

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040819\
 Data File : VX008739.D
 Acq On : 08 Apr 2019 12:53
 Operator : JC/SP
 Sample : VX0408WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/9/2019 1:48:57 PM

Quant Time: Apr 09 06:58:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302617	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	135756	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	5.49	113	100603	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	8.71	98	406353	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	11.13	95	143016	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	34778	16.195	ug/l	99
3) Chloromethane	1.32	50	47383	16.885	ug/l	100
4) Vinyl Chloride	1.40	62	47641	16.411	ug/l	98
5) Bromomethane	1.64	94	24669	18.485	ug/l	98
6) Chloroethane	1.71	64	28413	15.854	ug/l	98
7) Trichlorofluoromethane	1.92	101	56480	17.601	ug/l	97
8) Diethyl Ether	2.18	74	26010	17.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	37145	17.979	ug/l	99
10) Methyl Iodide	2.51	142	28644	18.007	ug/l	99
11) Tert butyl alcohol	3.05	59	58080	91.172	ug/l	99
12) 1,1-Dichloroethene	2.37	96	36762	17.045	ug/l	97
13) Acrolein	2.29	56	40917	129.535	ug/l	99
14) Allyl chloride	2.72	41	84540	17.122	ug/l	99
15) Acrylonitrile	3.14	53	149609	88.651	ug/l	99
16) Acetone	2.45	43	134715	85.956	ug/l	100
17) Carbon Disulfide	2.56	76	103542	16.123	ug/l	99
18) Methyl Acetate	2.78	43	67698	17.810	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	139125	18.063	ug/l	99
20) Methylene Chloride	2.85	84	43617	16.626	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	39462	16.915	ug/l	93
22) Diisopropyl ether	3.85	45	168651	17.722	ug/l	94
23) Vinyl Acetate	3.81	43	743886	89.856	ug/l	99
24) 1,1-Dichloroethane	3.69	63	82507	17.511	ug/l	99
25) 2-Butanone	4.67	43	224354	90.571	ug/l	99
26) 2,2-Dichloropropane	4.58	77	58597	17.658	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	46302	17.263	ug/l	98
28) Bromochloromethane	5.01	49	40132	18.483	ug/l	99
29) Tetrahydrofuran	5.13	42	147050	89.441	ug/l	100
30) Chloroform	5.21	83	74688	17.748	ug/l	98
31) Cyclohexane	5.57	56	81325	17.298	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	60467	17.781	ug/l	99
36) 1,1-Dichloropropene	5.79	75	58895	17.804	ug/l	100
37) Ethyl Acetate	4.83	43	83699	18.956	ug/l	99
38) Carbon Tetrachloride	5.78	117	49948	18.244	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72741	17.801	ug/l	98
40) Benzene	6.14	78	176981	17.959	ug/l	99
41) Methacrylonitrile	5.04	41	46652	18.381	ug/l	99
42) 1,2-Dichloroethane	6.19	62	62162	17.595	ug/l	100
43) Isopropyl Acetate	6.45	43	126974	18.358	ug/l	100
44) Trichloroethene	7.21	130	41593	18.122	ug/l	98
45) 1,2-Dichloropropane	7.51	63	50109	17.815	ug/l	96
46) Dibromomethane	7.66	93	28282	17.337	ug/l	98
47) Bromodichloromethane	7.90	83	57014	18.536	ug/l	99
48) Methyl methacrylate	7.77	41	63803	18.236	ug/l	98
49) 1,4-Dioxane	7.74	88	23770	362.666	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	424327	95.300	ug/l	100
52) Toluene	8.78	92	106152	18.271	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	64334	18.672	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	71365	18.127	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	43409	18.614	ug/l	98
56) Ethyl methacrylate	9.18	69	78642	18.638	ug/l	100
57) 1,3-Dichloropropane	9.37	76	76348	18.232	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	213842	99.250	ug/l	99
59) 2-Hexanone	9.49	43	322093	93.083	ug/l	100
60) Dibromochloromethane	9.58	129	40908	18.615	ug/l	99
61) 1,2-Dibromoethane	9.67	107	43798	18.040	ug/l	98
64) Tetrachloroethene	9.34	164	37069	18.772	ug/l	99
65) Chlorobenzene	10.14	112	107274	18.158	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	38592	18.620	ug/l	99
67) Ethyl Benzene	10.25	91	202186	18.353	ug/l	100
68) m/p-Xylenes	10.36	106	144983	36.603	ug/l	99
69) o-Xylene	10.69	106	69939	18.220	ug/l	99
70) Styrene	10.71	104	121819	18.410	ug/l	100
71) Bromoform	10.85	173	29630	18.718	ug/l #	98
73) Isopropylbenzene	11.02	105	190443	18.735	ug/l	100
74) N-amyl acetate	10.90	43	107708	18.010	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	70100	18.133	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	60761m	18.032	ug/l	
77) Bromobenzene	11.26	156	45345	18.556	ug/l	98
78) n-propylbenzene	11.36	91	219473	18.543	ug/l	100
79) 2-Chlorotoluene	11.42	91	129966	18.145	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	161215	18.894	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	22289	18.234	ug/l	95
82) 4-Chlorotoluene	11.51	91	149487	18.030	ug/l	98
83) tert-Butylbenzene	11.77	119	151794	18.491	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	162251	18.779	ug/l	100
85) sec-Butylbenzene	11.94	105	183985	18.868	ug/l	100
86) p-Isopropyltoluene	12.06	119	165553	18.916	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	78871	18.029	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	79319	17.905	ug/l	99
89) n-Butylbenzene	12.38	91	155883	18.992	ug/l	100
90) Hexachloroethane	12.60	117	27544	18.975	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	78274	18.021	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14975	17.609	ug/l	96

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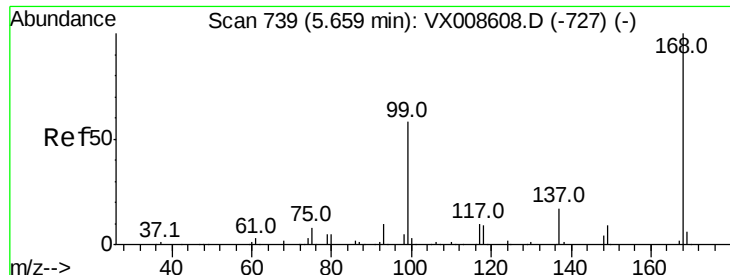
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55450	18.361	ug/l	100
94) Hexachlorobutadiene	13.78	225	27848	19.227	ug/l	98
95) Naphthalene	13.83	128	185075	18.336	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55426	18.369	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion:168 Resp: 186559

Ion Ratio Lower Upper

168 100

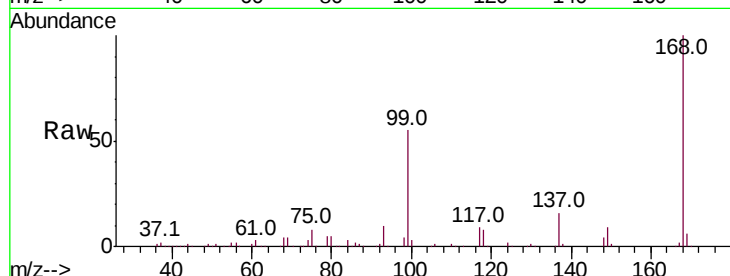
99 55.2 46.7 70.1

Manual Integrations

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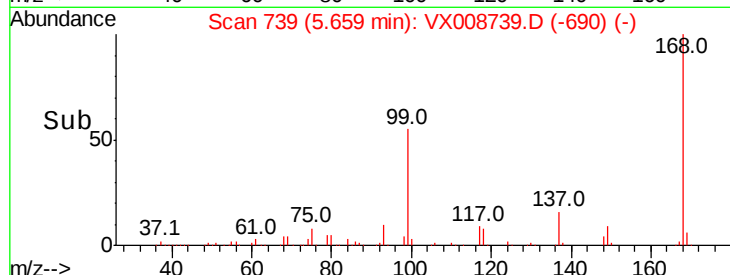


Abundance Ion 167.90 (167.60 to 168.60): VX0

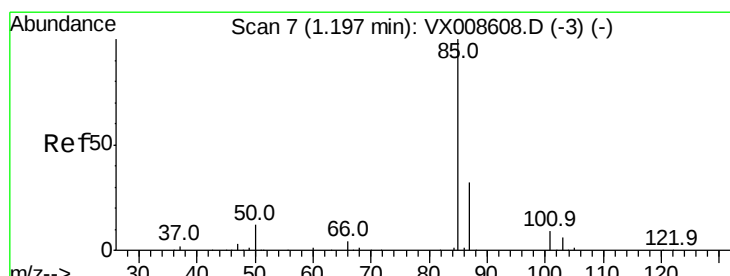
Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 16.195 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008739.D

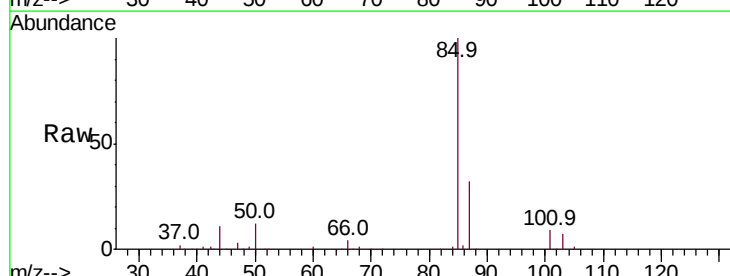
Acq: 08 Apr 2019 12:53

Tgt Ion: 85 Resp: 34778

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.3

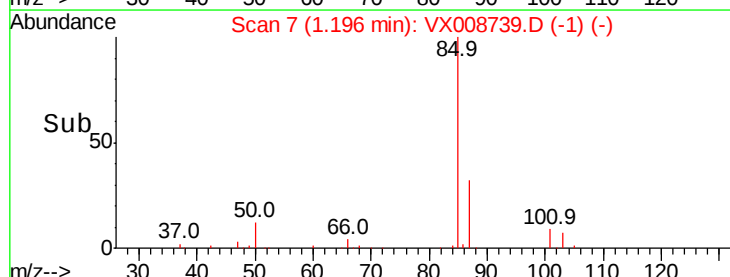


Abundance Ion 84.90 (84.60 to 85.60): VX0

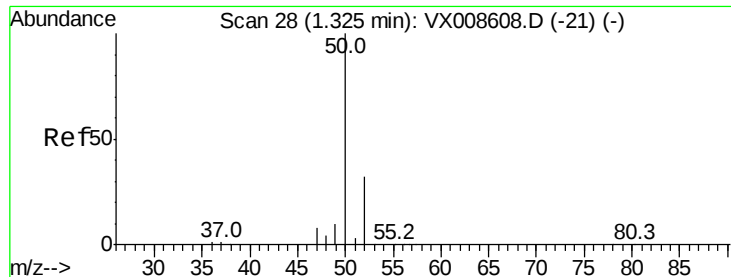
Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->



Time-->



#3

Chloromethane

Concen: 16.885 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 50 Resp: 47383

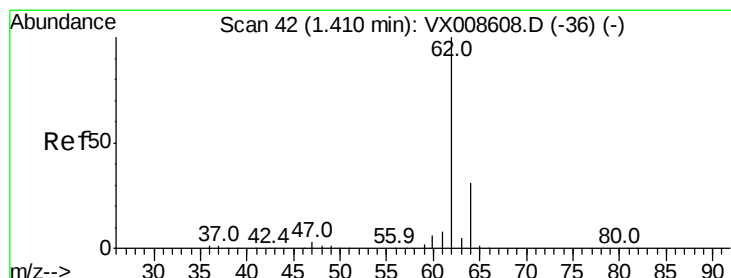
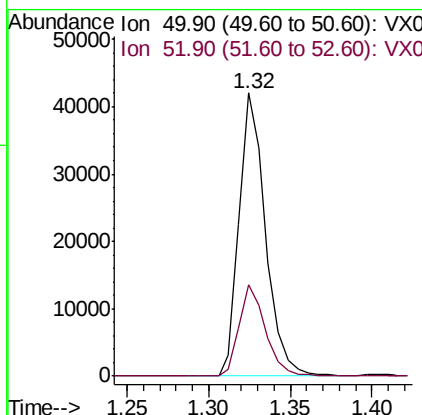
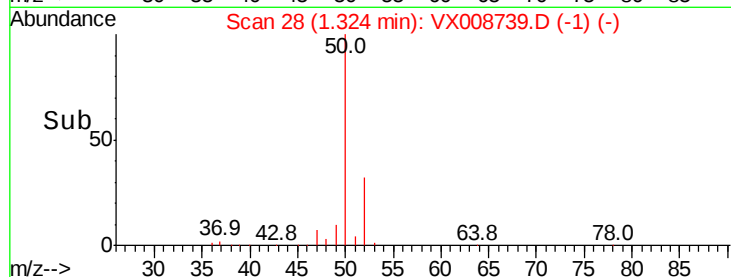
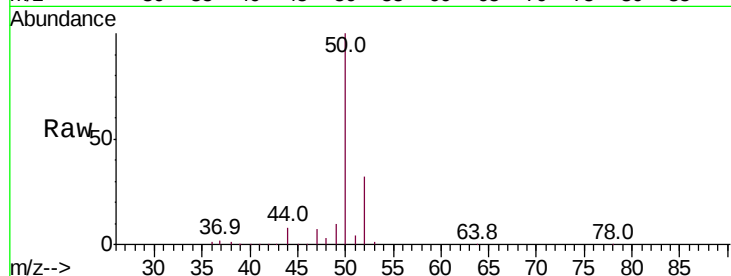
Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.411 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008739.D

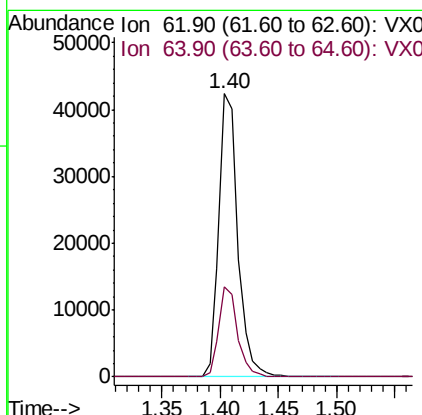
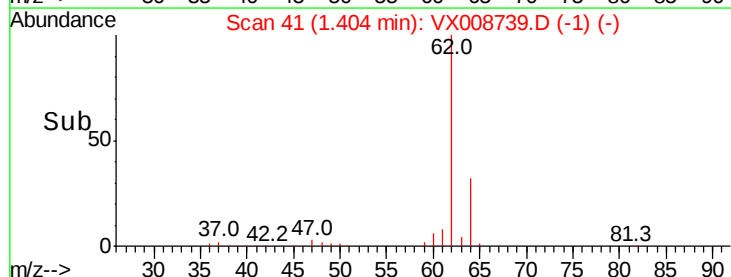
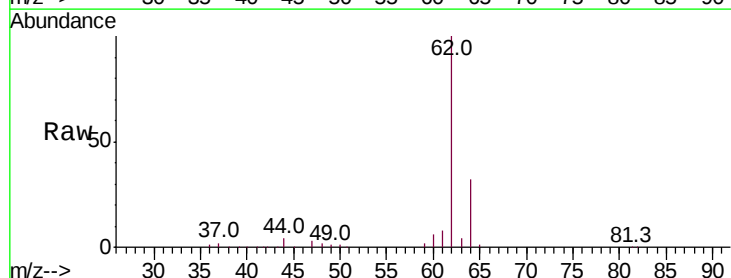
Acq: 08 Apr 2019 12:53

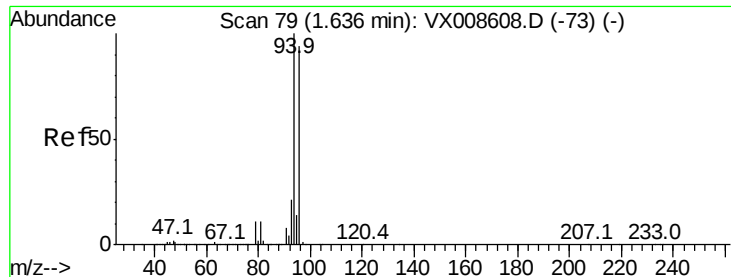
Tgt Ion: 62 Resp: 47641

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 18.485 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 94 Resp: 24669

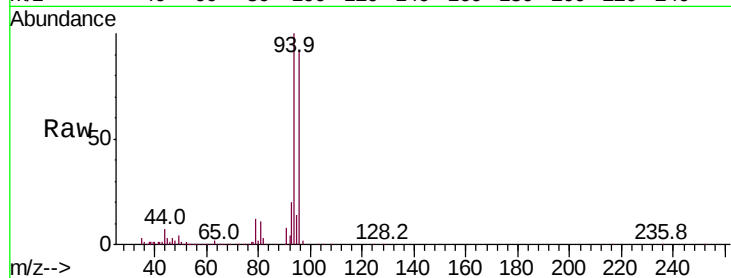
Ion Ratio Lower Upper

94 100

96 92.0 75.2 112.8

Manual Integrations
APPROVED

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4/9/2019 1:48:57 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

30000

25000

20000

15000

10000

5000

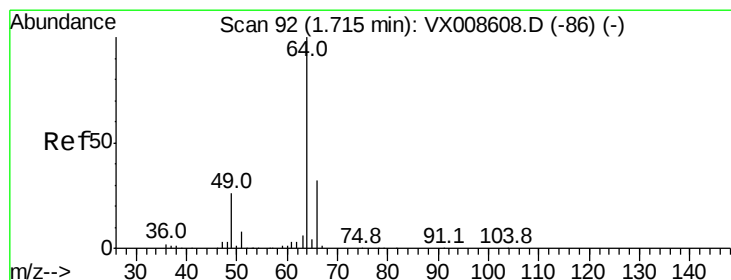
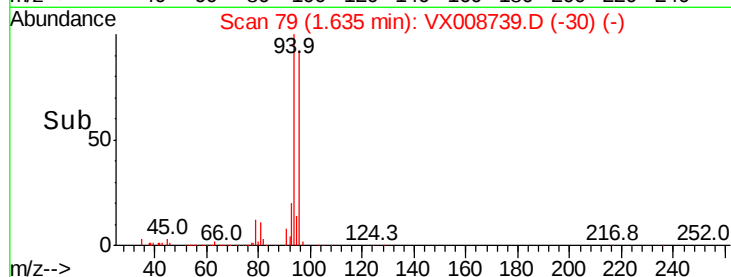
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 15.854 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008739.D

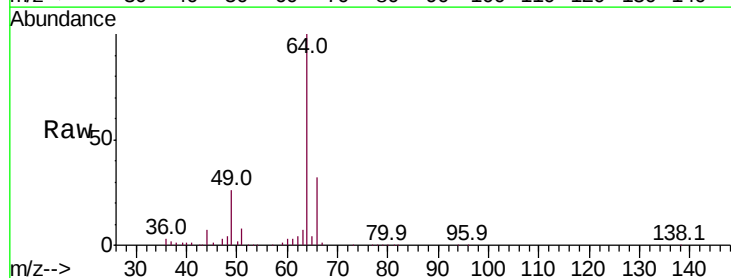
Acq: 08 Apr 2019 12:53

Tgt Ion: 64 Resp: 28413

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

10000

5000

0

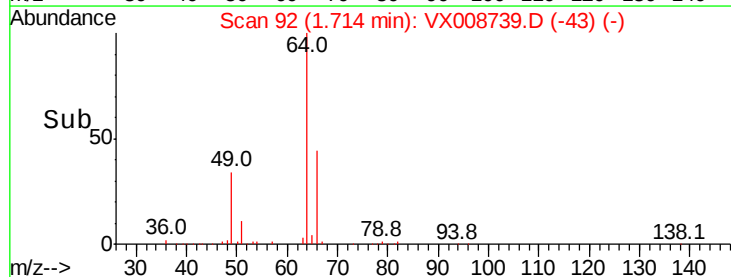
1.65

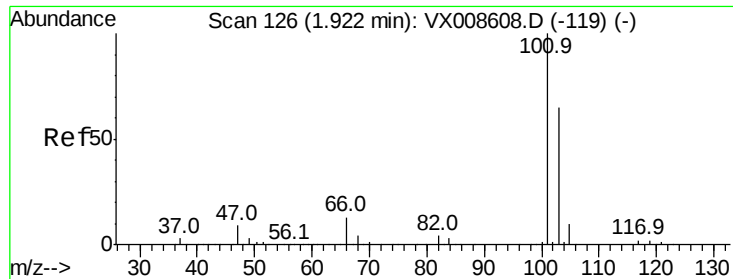
1.70

1.75

1.80

Time-->





#7

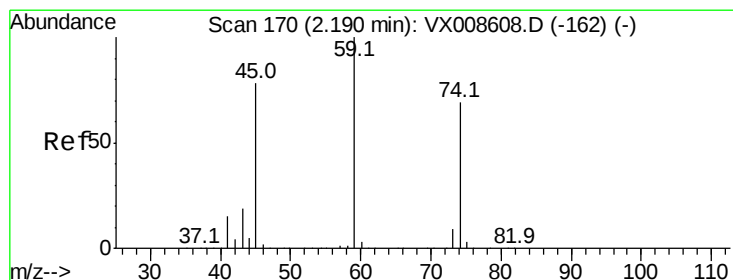
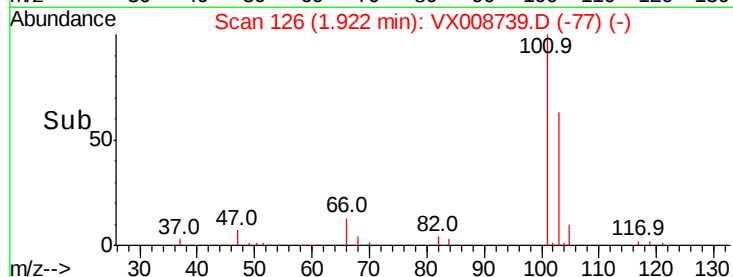
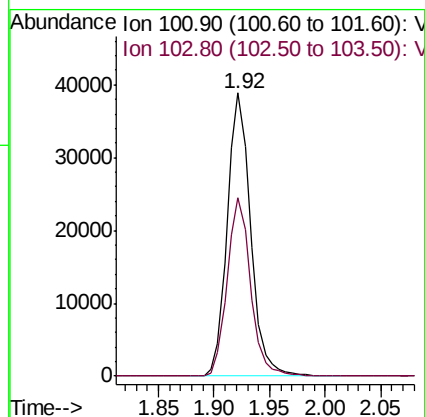
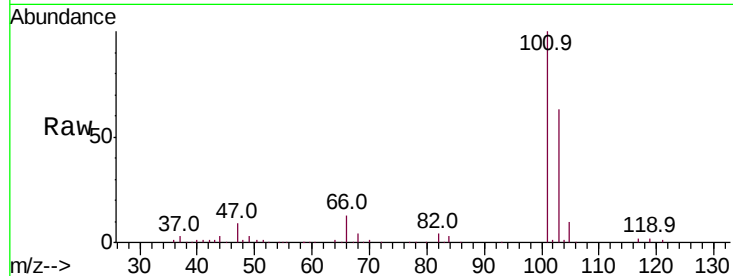
Trichlorofluoromethane
 Concen: 17.601 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion:101 Resp: 56480
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.3 78.5

Manual Integrations
 APPROVED

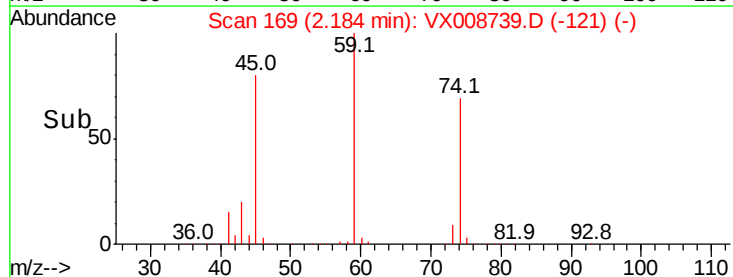
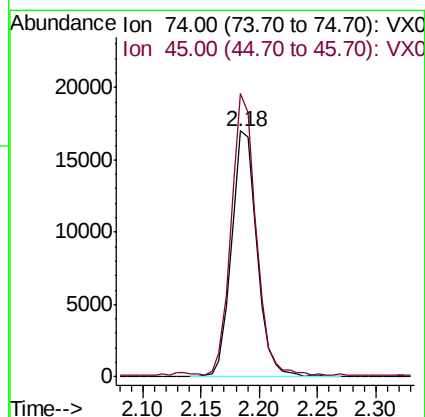
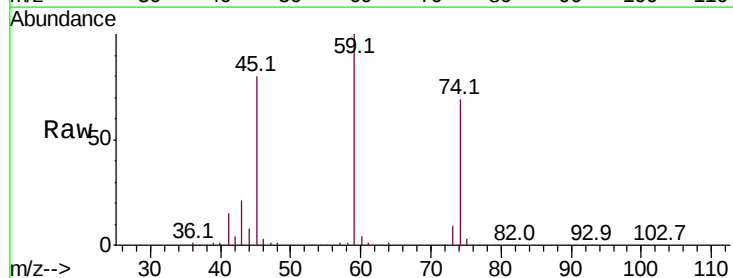
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 4/9/2019 1:48:57 PM

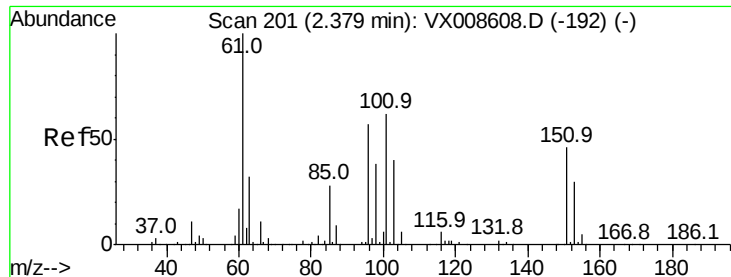


#8

Diethyl Ether
 Concen: 17.092 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Tgt Ion: 74 Resp: 26010
 Ion Ratio Lower Upper
 74 100
 45 111.4 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.979 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

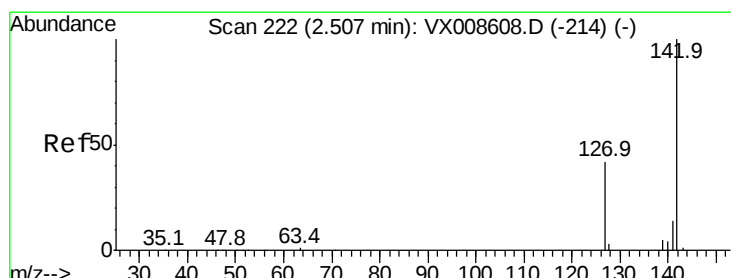
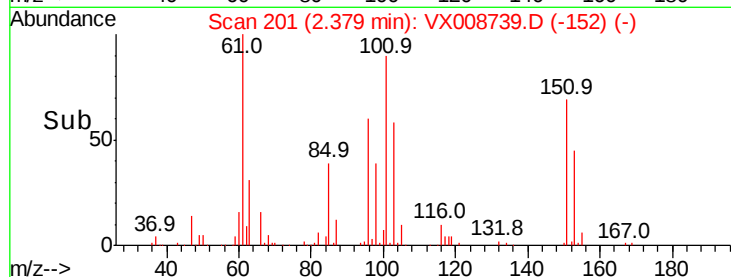
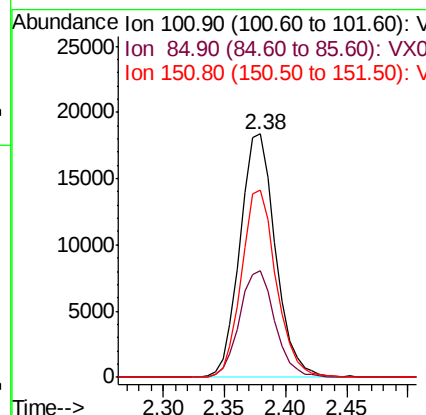
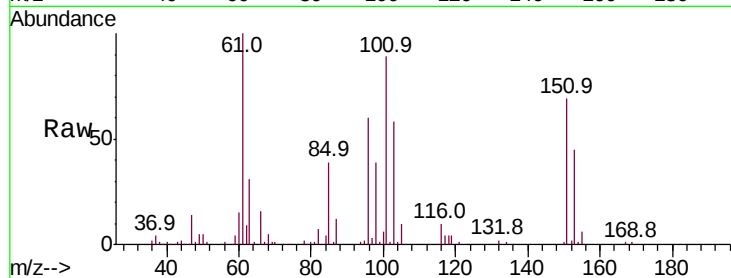
ClientSampleId :

VX0408WBS01

Tot Ion:	101	Resp:	37145
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.0	54.0
151	75.0	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.007 ug/l

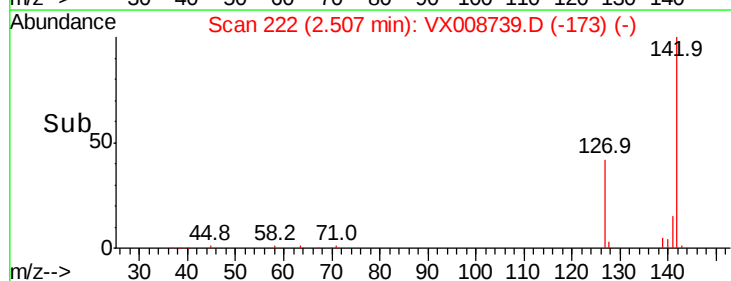
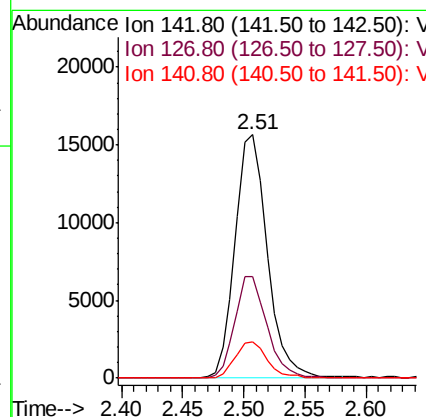
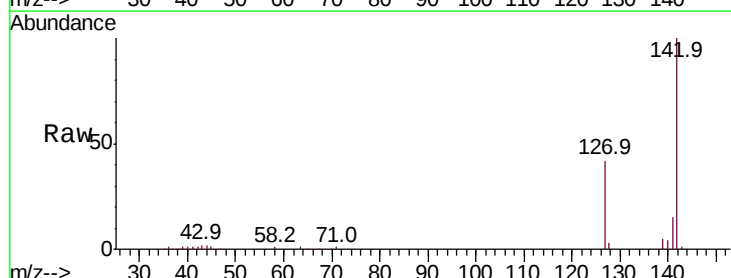
RT: 2.51 min Scan# 222

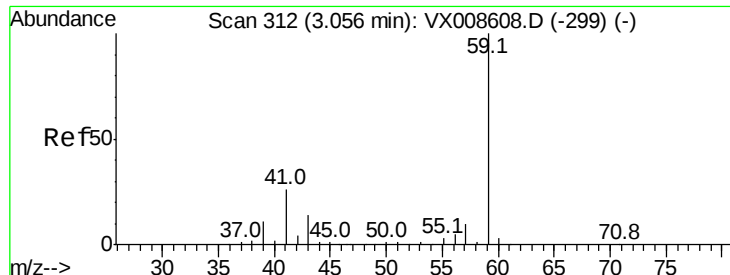
Delta R.T. 0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion:	142	Resp:	28644
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.0	49.6
141	15.0	11.4	17.2





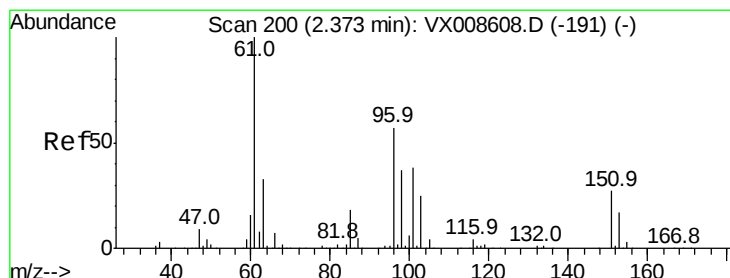
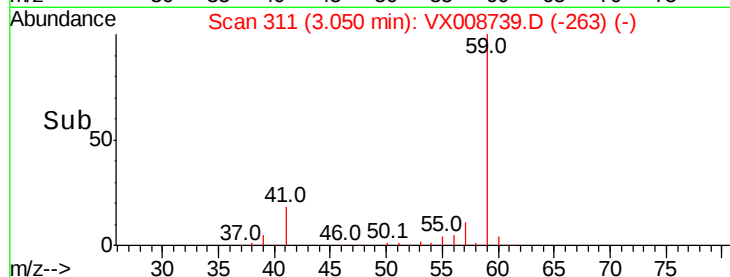
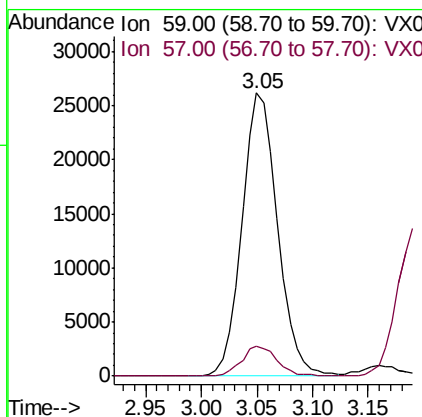
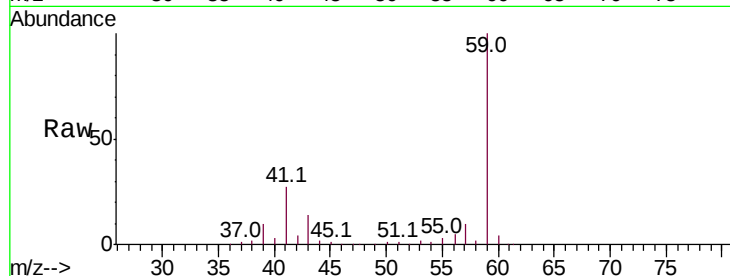
#11
Tert butyl alcohol
Concen: 91.172 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion: 59 Resp: 58080
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

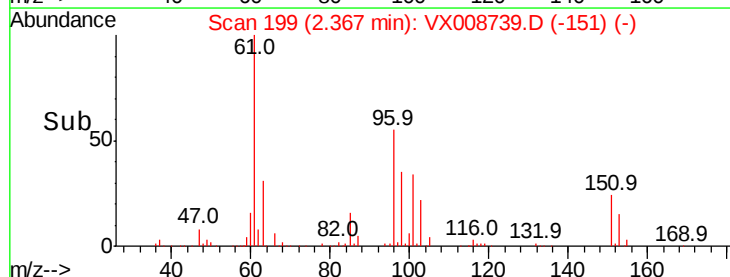
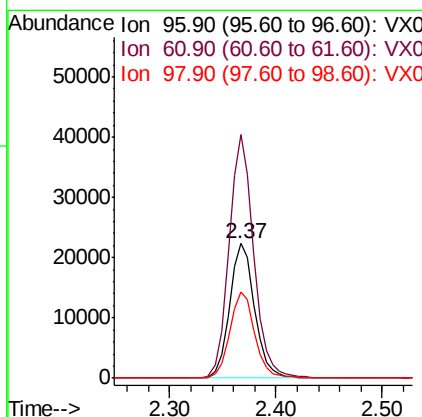
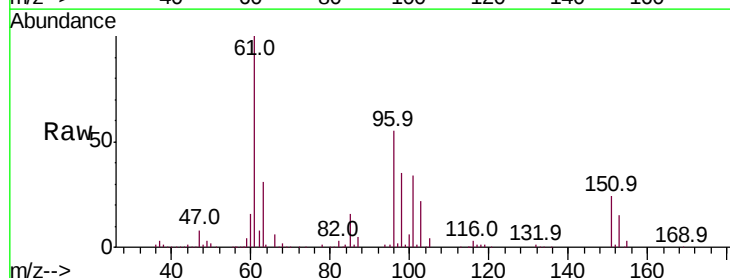
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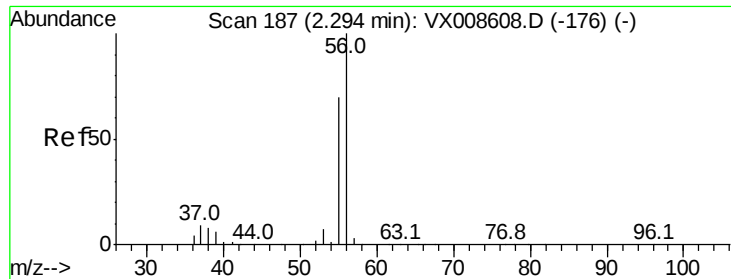
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#12
1,1-Dichloroethene
Concen: 17.045 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion: 96 Resp: 36762
Ion Ratio Lower Upper
96 100
61 181.0 140.9 211.3
98 63.9 52.1 78.1





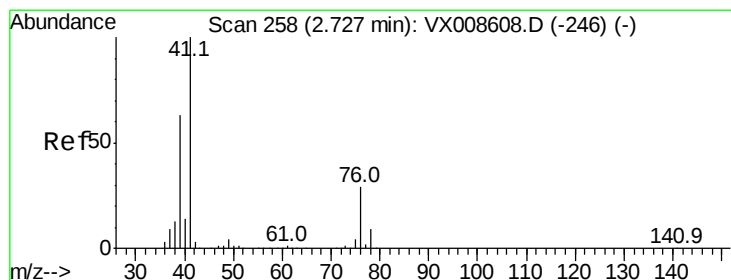
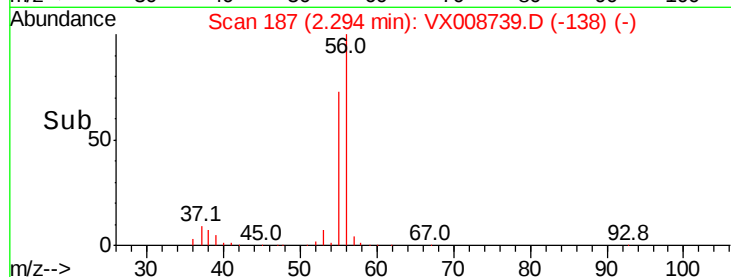
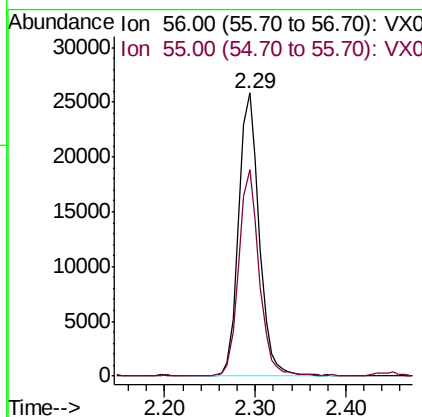
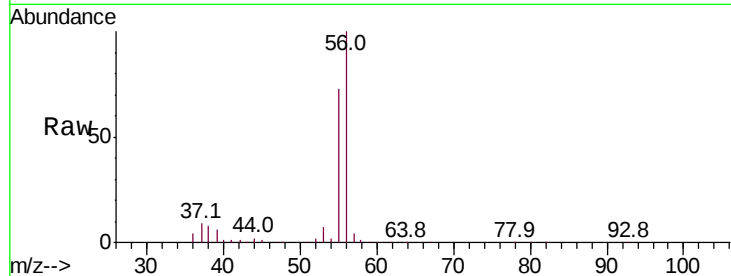
#13
Acrolein
Concen: 129.535 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion: 56 Resp: 40917
Ion Ratio Lower Upper
56 100
55 71.5 58.0 87.0

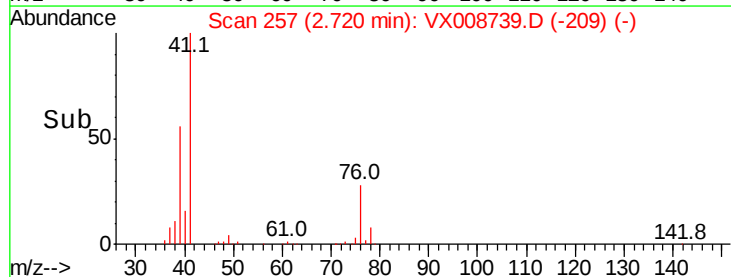
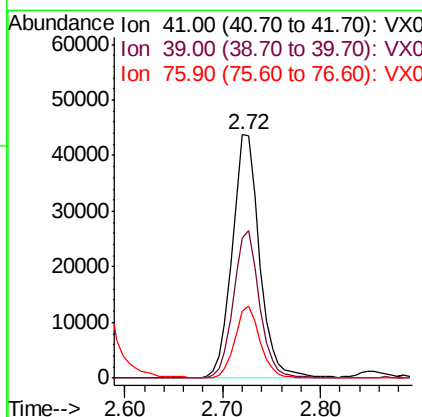
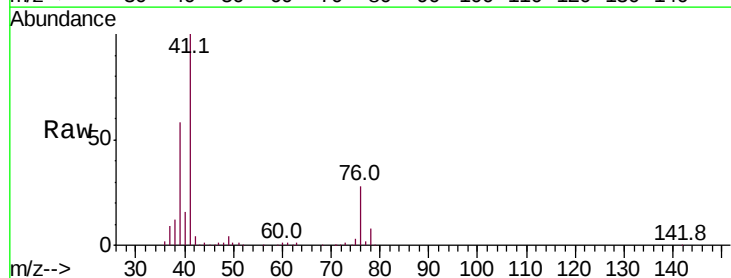
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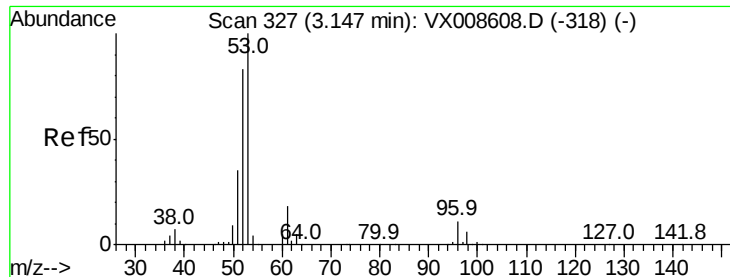
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#14
Allyl chloride
Concen: 17.122 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion: 41 Resp: 84540
Ion Ratio Lower Upper
41 100
39 58.4 48.0 72.0
76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 88.651 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

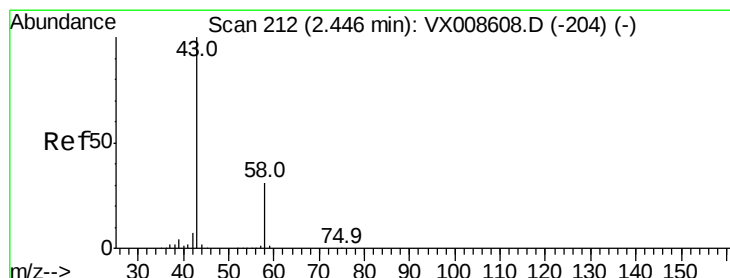
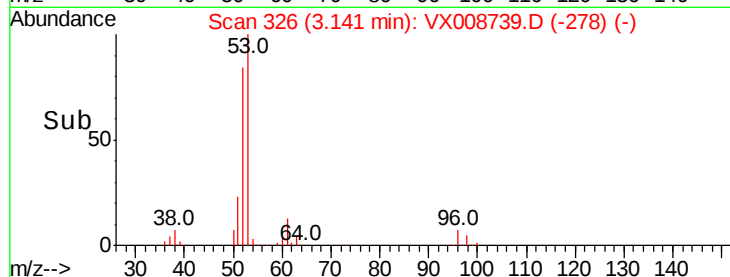
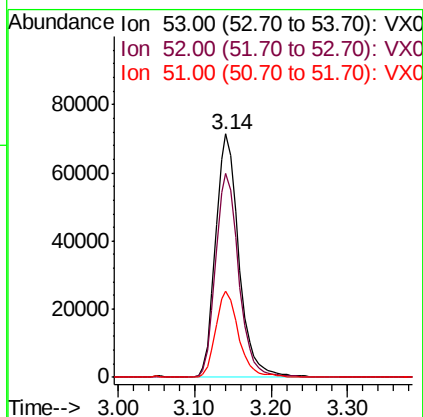
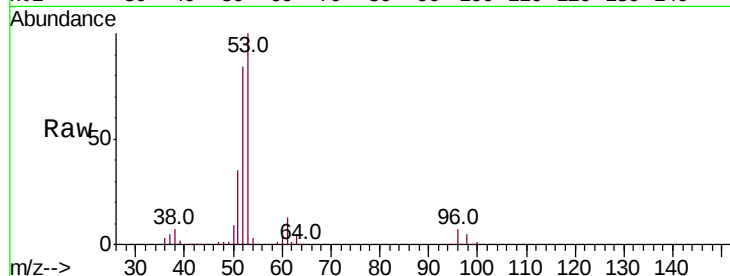
ClientSampleId :

VX0408WBS01

Tot Ion	53	Resp	149609
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.5	99.7
51	35.1	28.6	42.8

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#16

Acetone

Concen: 85.956 ug/l

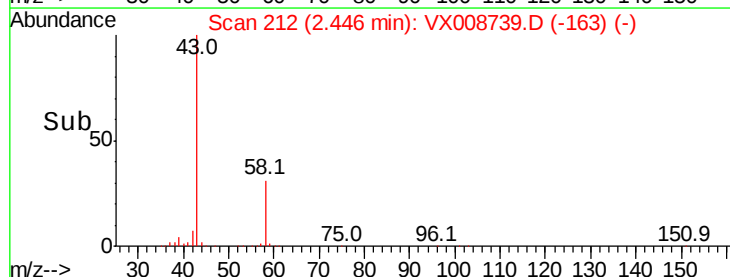
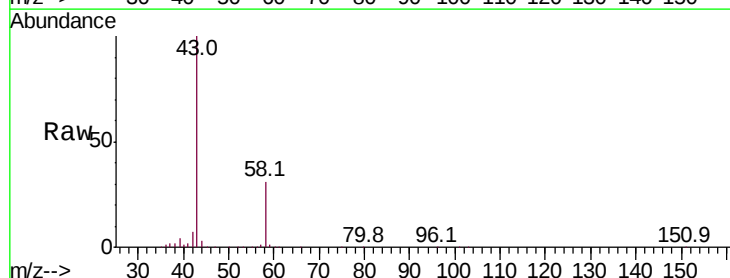
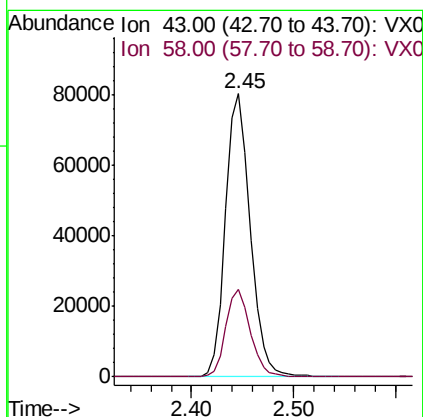
RT: 2.45 min Scan# 212

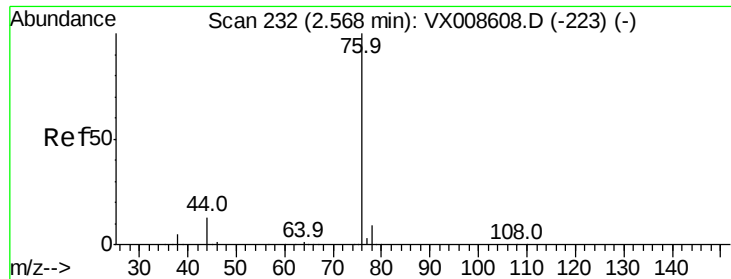
Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion	43	Resp	134715
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.8	37.2





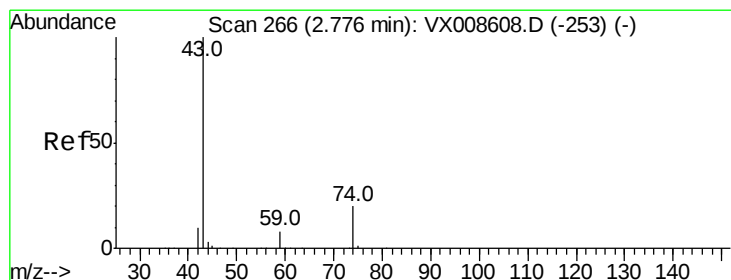
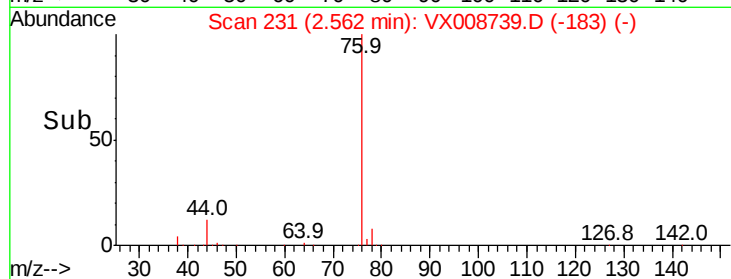
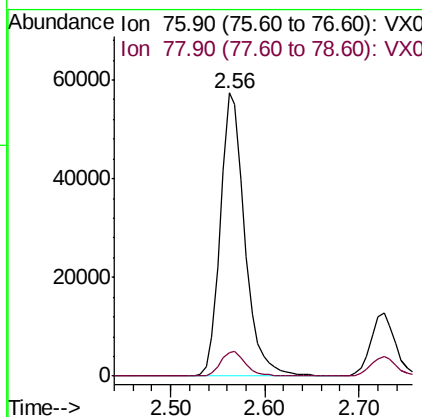
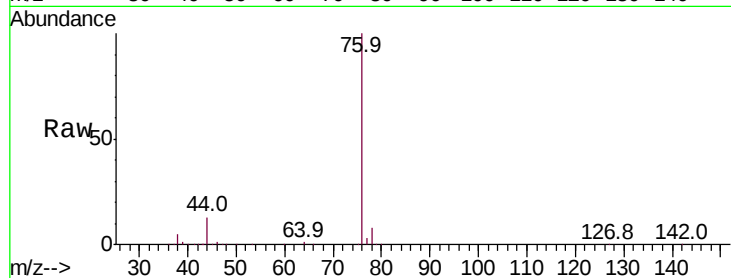
#17
Carbon Disulfide
Concen: 16.123 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

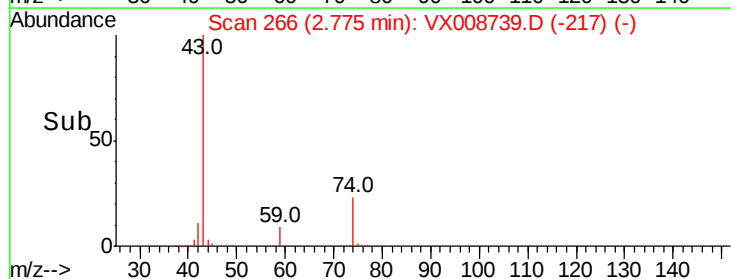
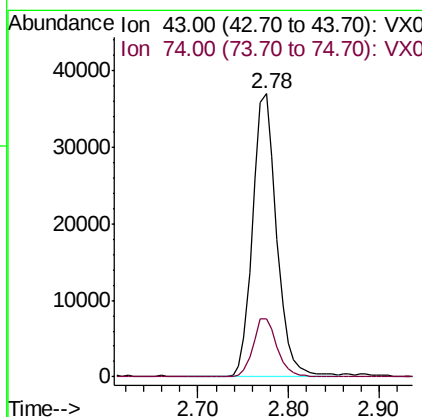
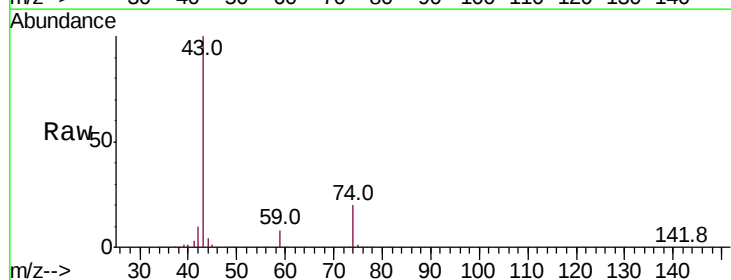
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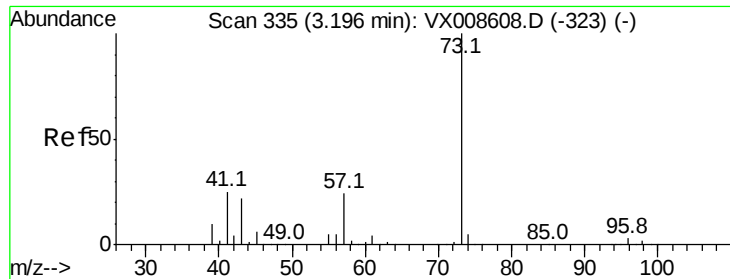
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#18
Methyl Acetate
Concen: 17.810 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.5	24.7





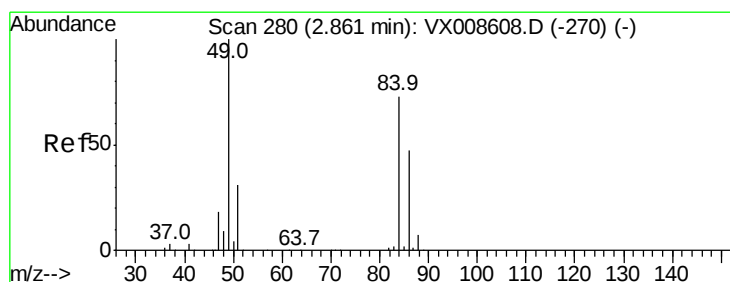
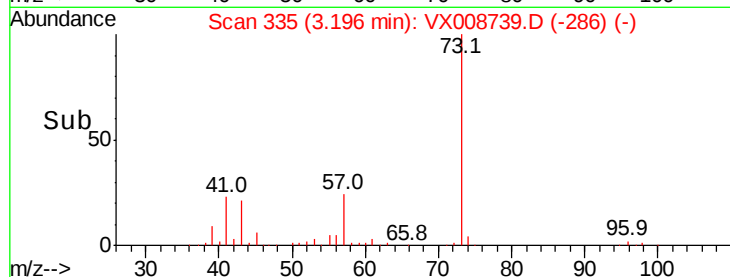
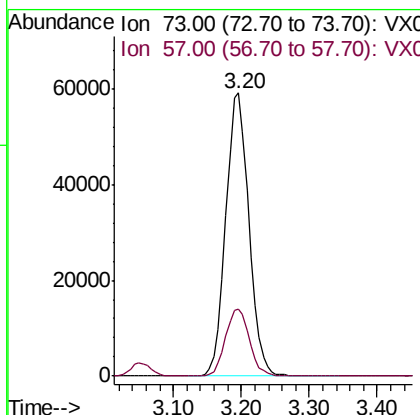
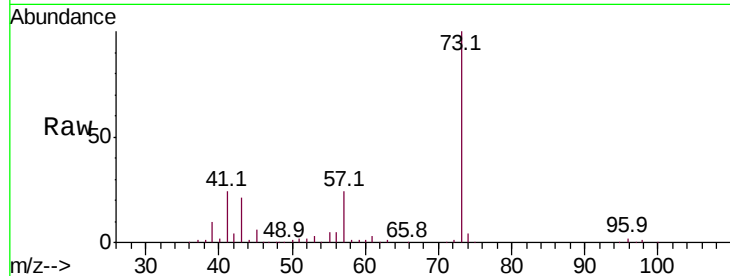
#19
Methvl tert-butvl Ether
Concen: 18.063 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion: 73 Resp: 139125
Ion Ratio Lower Upper
73 100
57 23.8 19.5 29.3

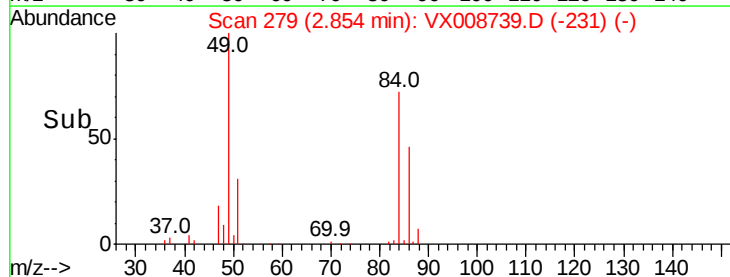
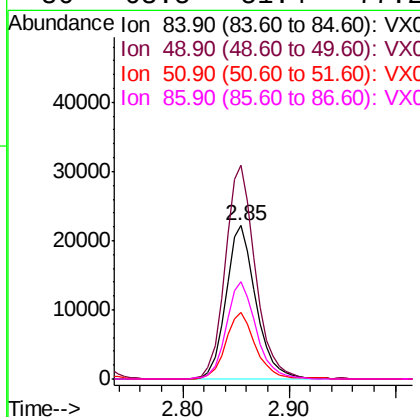
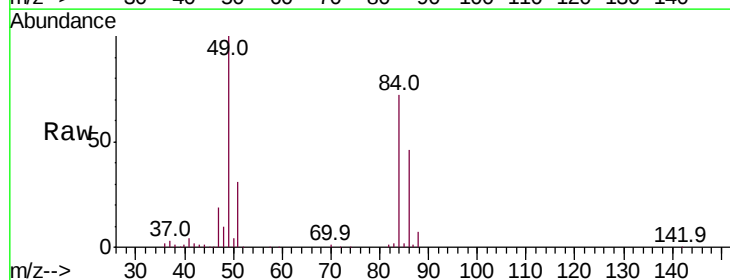
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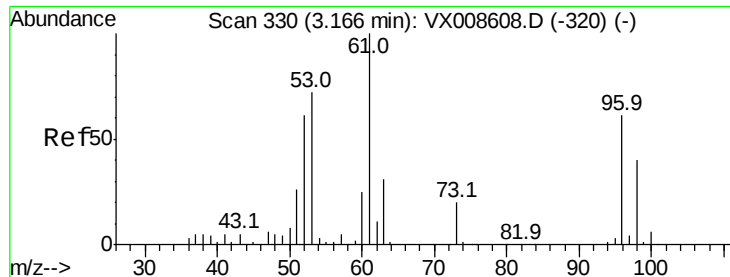
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#20
Methylene Chloride
Concen: 16.626 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion: 84 Resp: 43617
Ion Ratio Lower Upper
84 100
49 139.2 109.7 164.5
51 43.1 33.6 50.4
86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 16.915 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 96 Resp: 39462

Ion Ratio Lower Upper

96 100

61 154.7 132.1 198.1

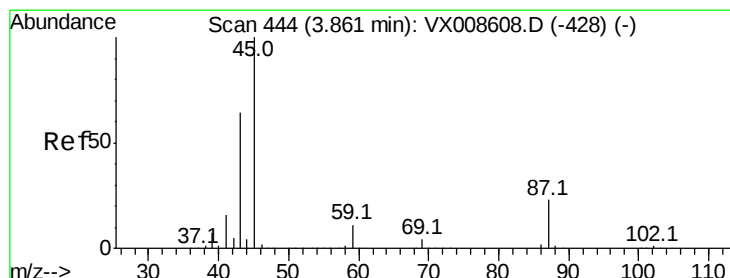
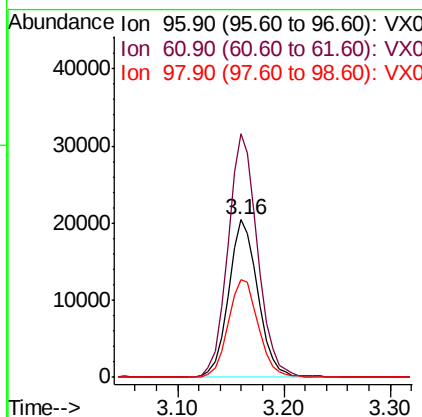
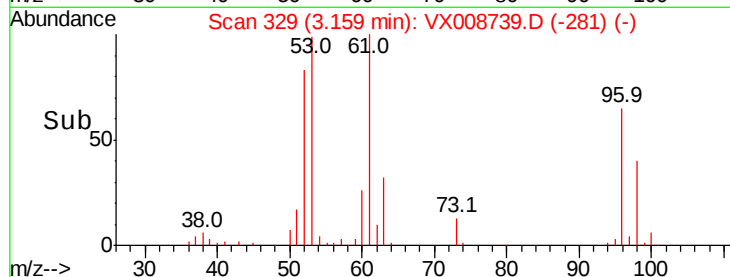
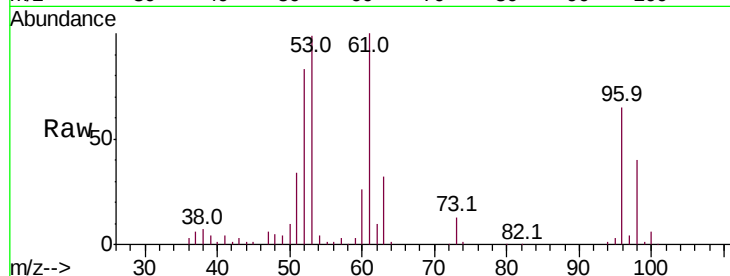
98 62.4 52.2 78.2

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#22

Diisopropyl ether

Concen: 17.722 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion: 45 Resp: 168651

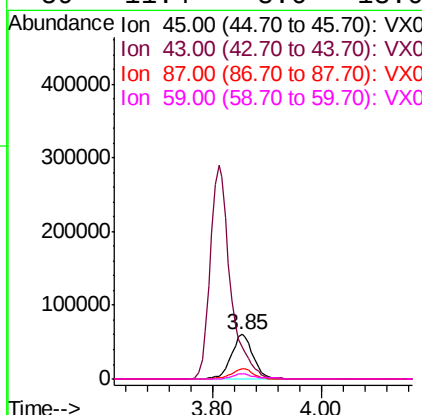
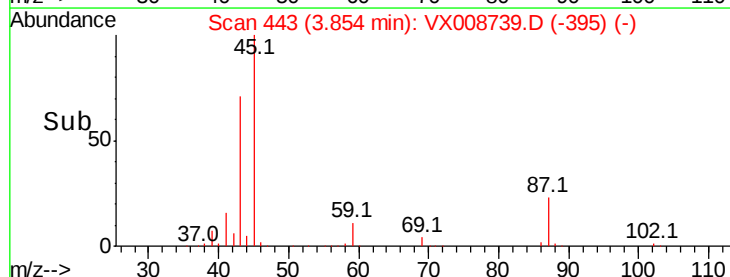
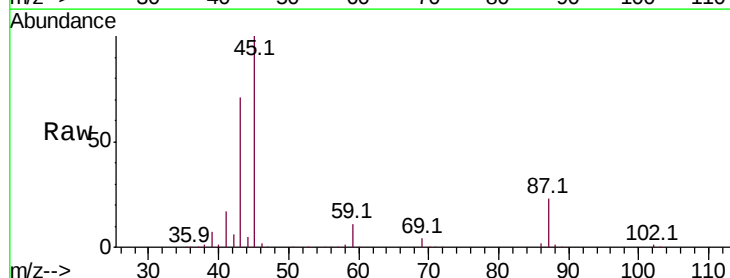
Ion Ratio Lower Upper

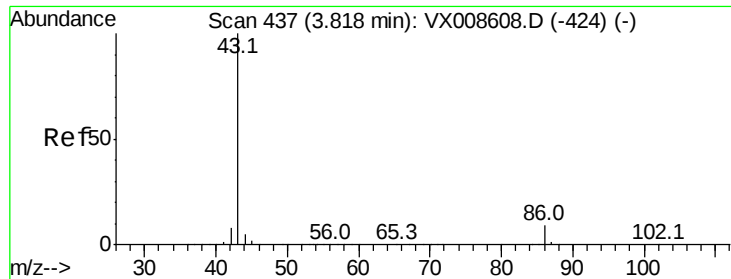
45 100

43 70.9 51.3 76.9

87 22.6 18.1 27.1

59 11.4 8.6 13.0





#23

Vinyl Acetate

Concen: 89.856 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 43 Resp: 743886

Ion Ratio Lower Upper

43 100

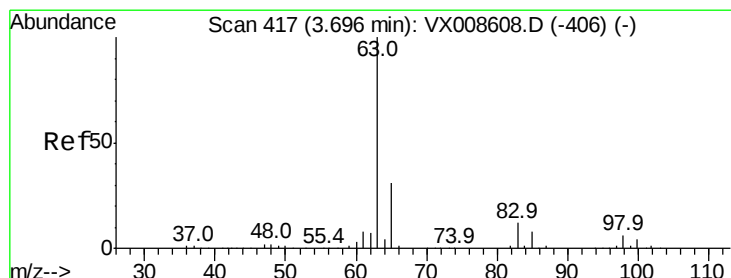
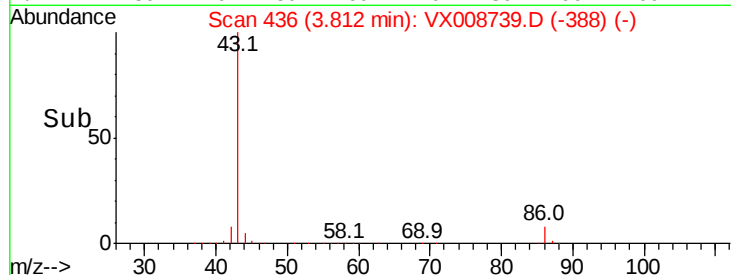
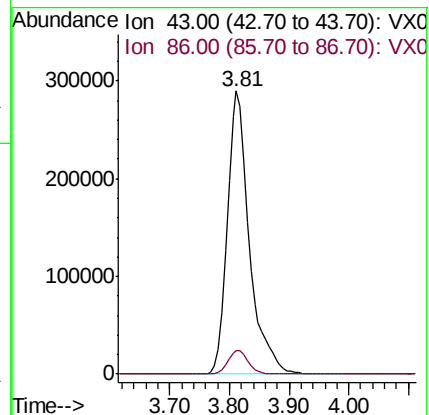
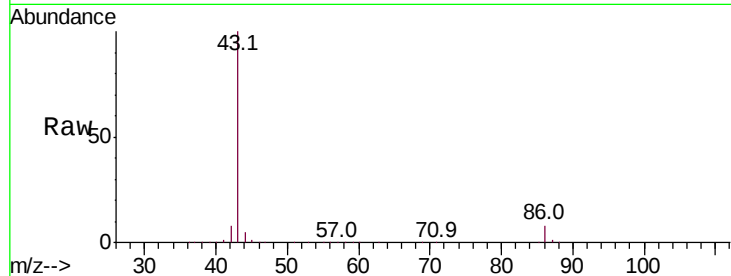
86 8.4 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 17.511 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

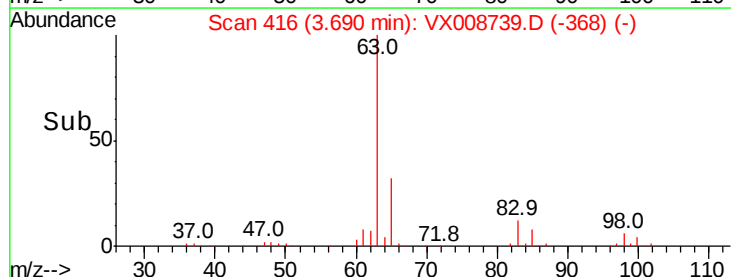
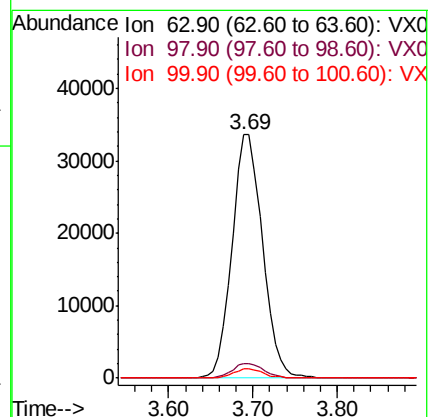
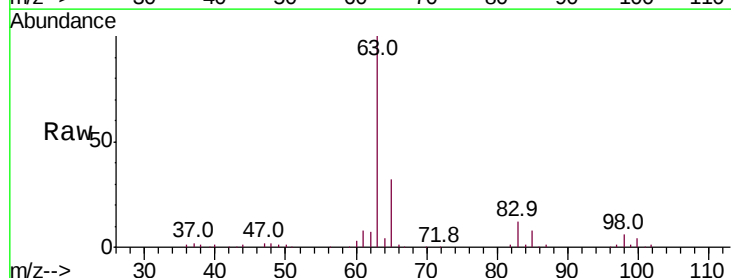
Tgt Ion: 63 Resp: 82507

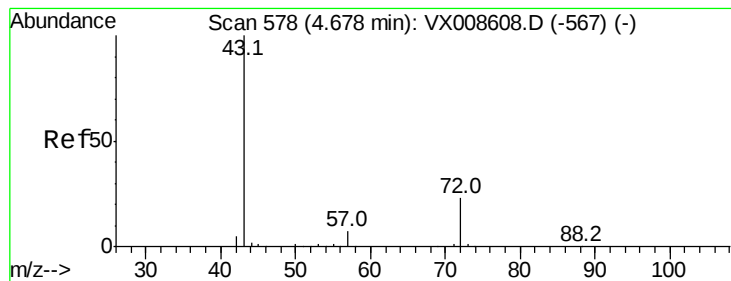
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 90.571 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 43 Resp: 224354

Ion Ratio Lower Upper

43 100

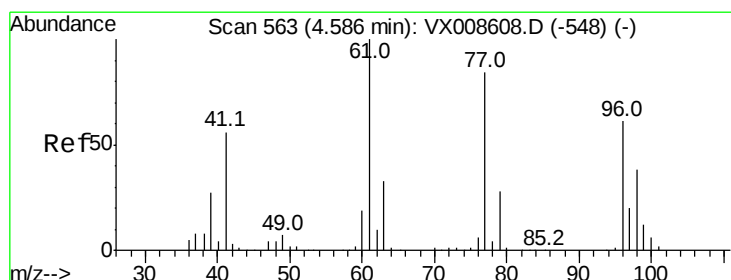
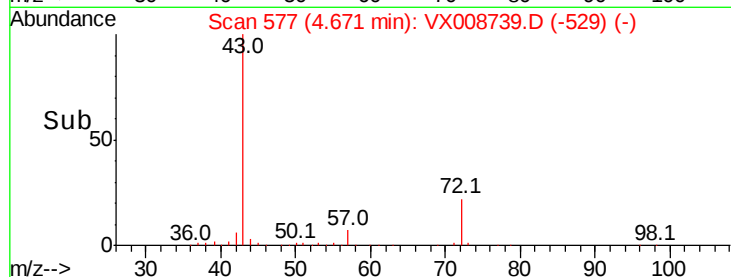
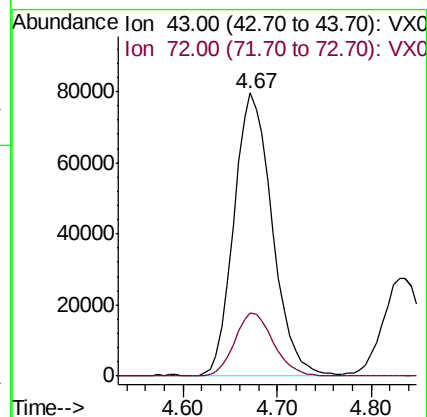
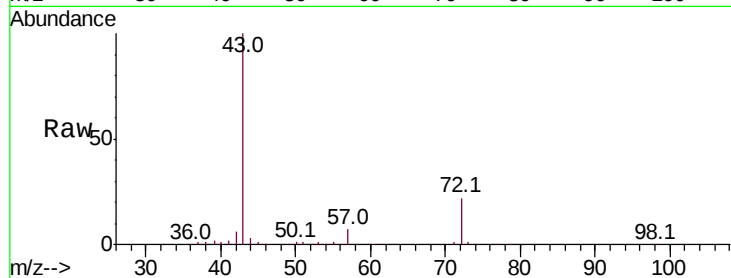
72 22.1 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 17.658 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008739.D

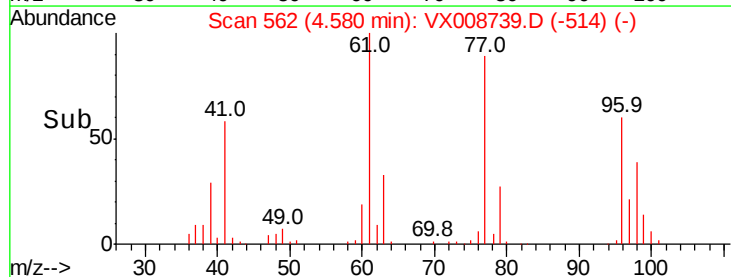
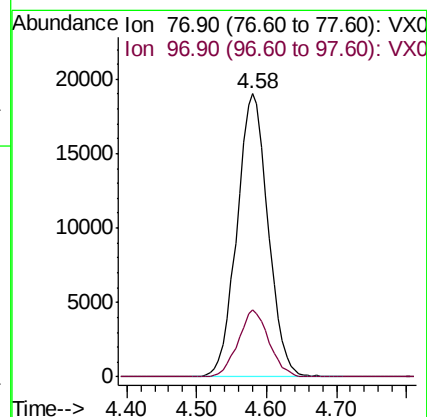
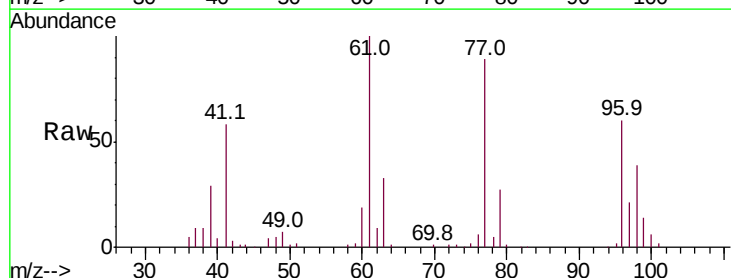
Acq: 08 Apr 2019 12:53

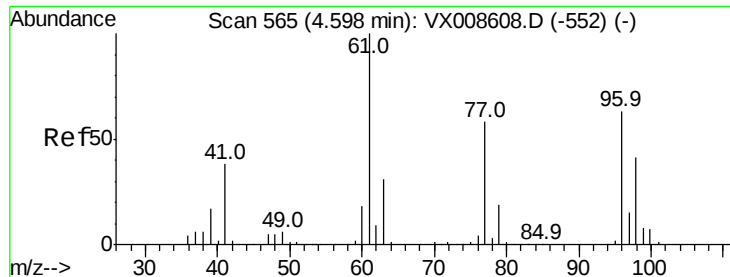
Tgt Ion: 77 Resp: 58597

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.5





#27

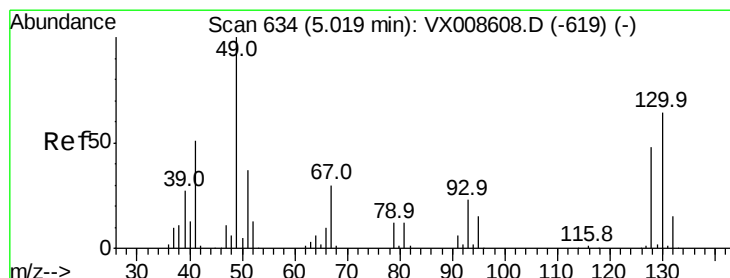
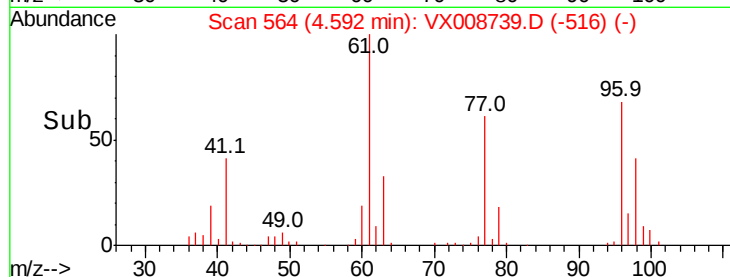
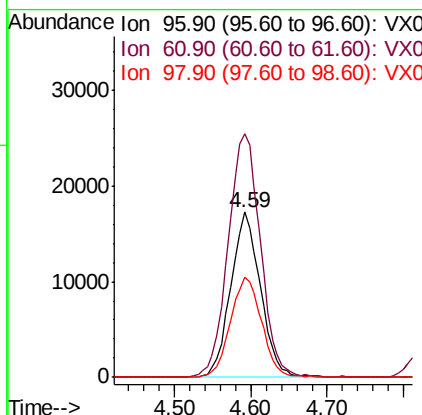
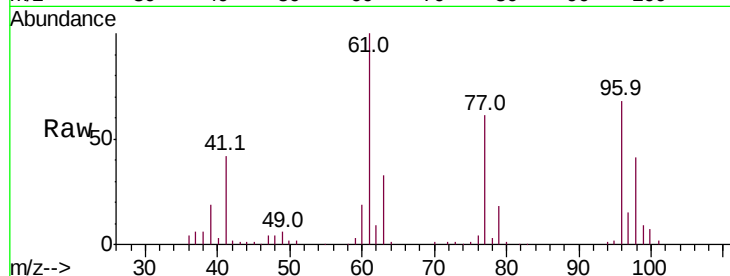
cis-1,2-Dichloroethene
 Concen: 17.263 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	327.6
98	64.0	0.0	128.6

Manual Integrations
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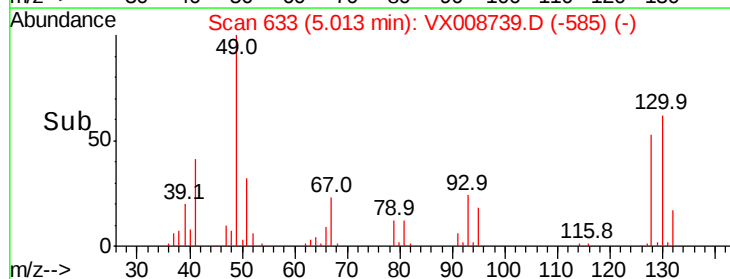
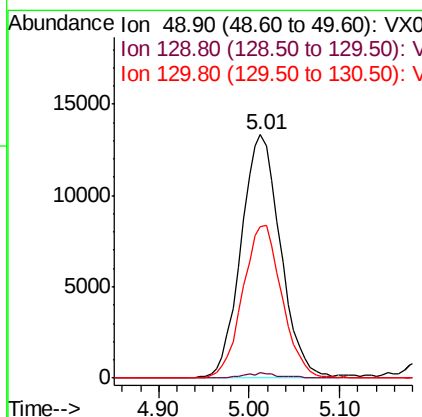
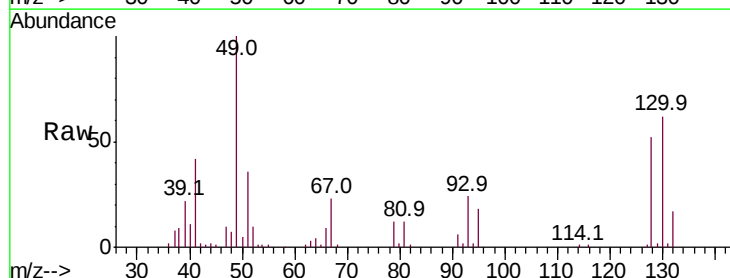
MMDadoda
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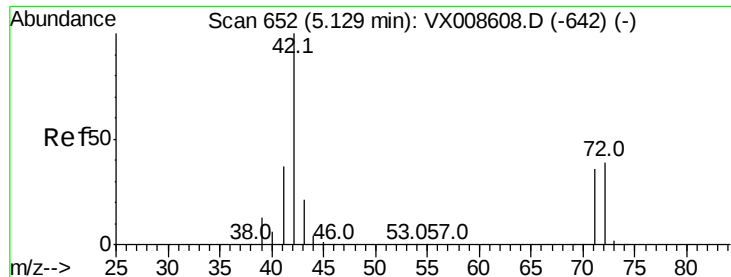


#28

Bromochloromethane
 Concen: 18.483 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	62.4	49.3	73.9





#29

Tetrahydrofuran

Concen: 89.441 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

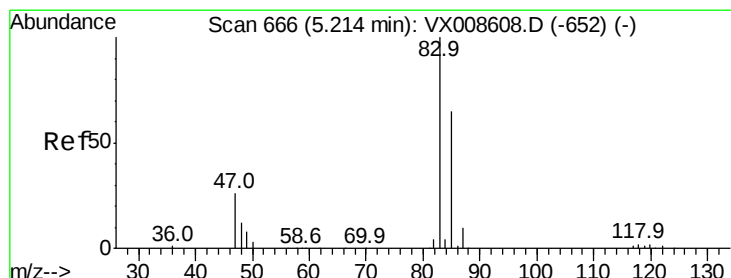
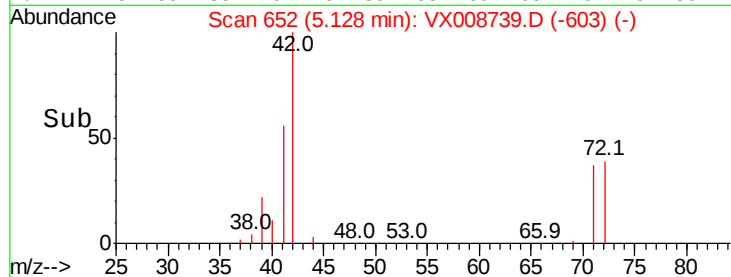
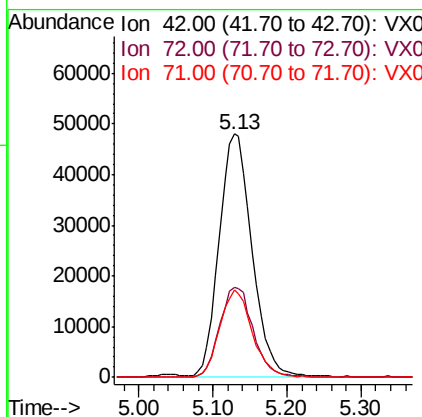
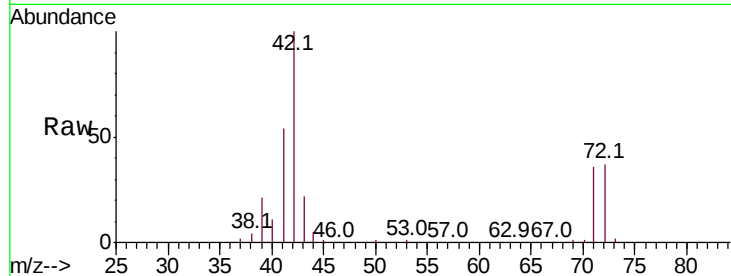
ClientSampleId :

VX0408WBS01

Tot Ion:	42	Resp:	147050
Ion Ratio	Lower	Upper	
42	100		
72	38.3	30.5	45.7
71	35.8	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 17.748 ug/l

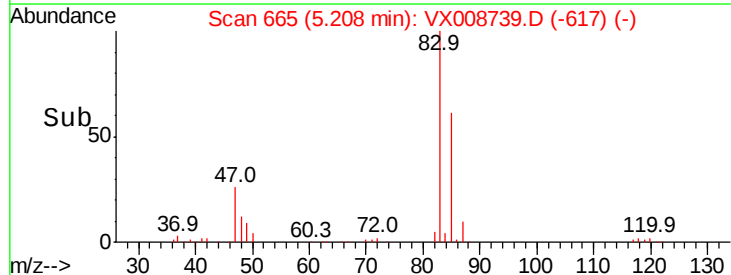
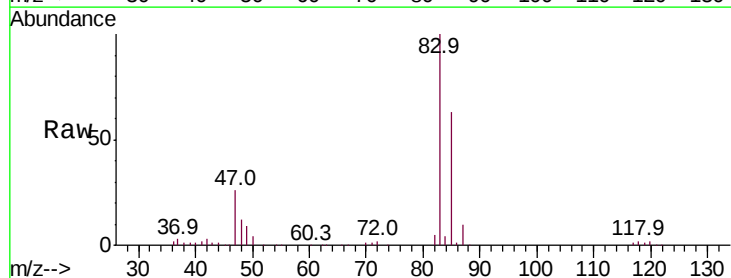
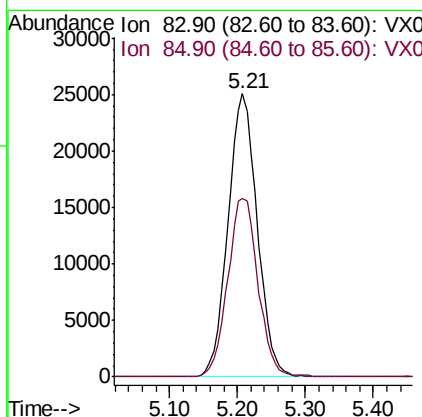
RT: 5.21 min Scan# 665

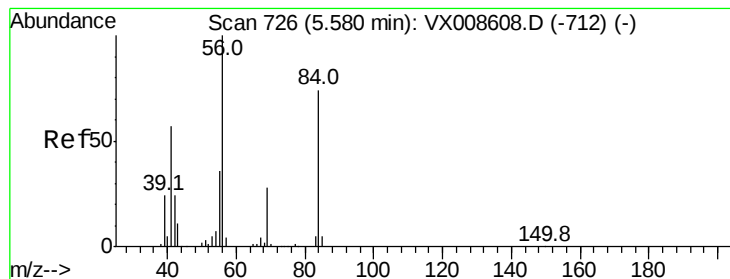
Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion:	83	Resp:	74688
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.1	78.1





#31

Cyclohexane

Concen: 17.298 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

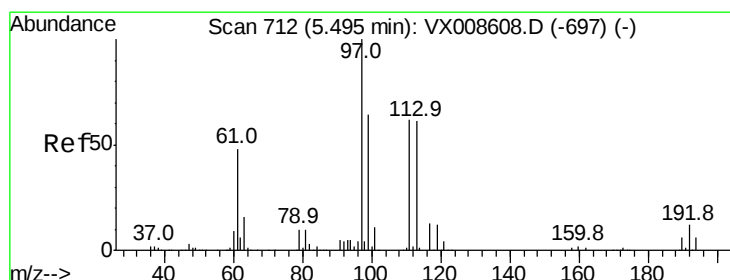
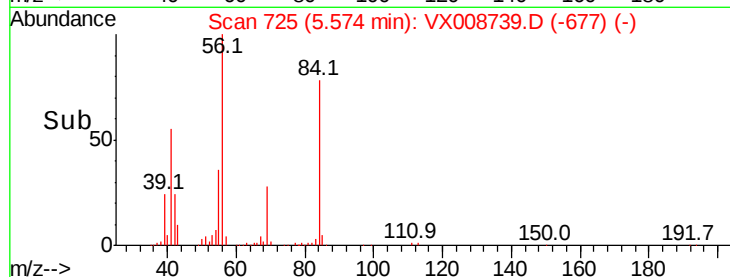
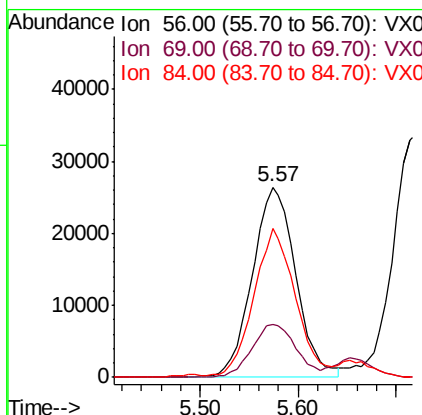
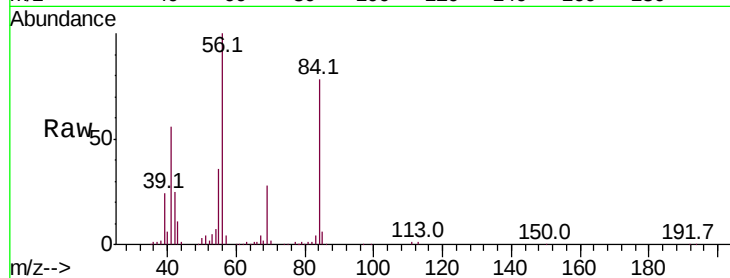
ClientSampleId :

VX0408WBS01

Tot Ion:	56	Resp:	81325
Ion	Ratio	Lower	Upper
56	100		
69	27.7	22.6	33.8
84	76.9	59.3	88.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.781 ug/l

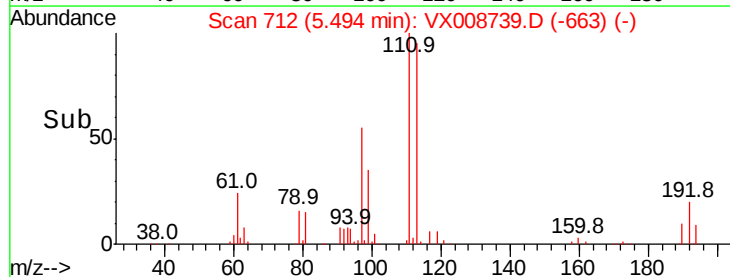
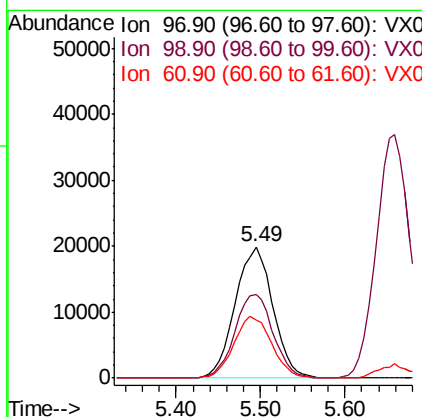
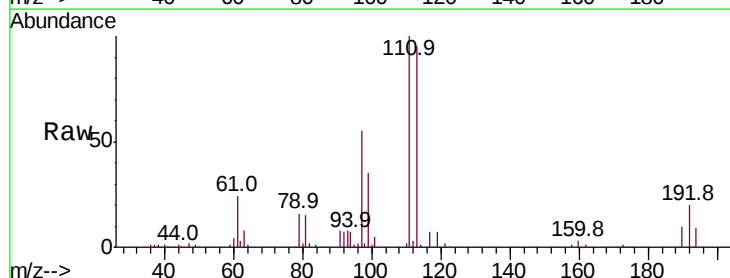
RT: 5.49 min Scan# 712

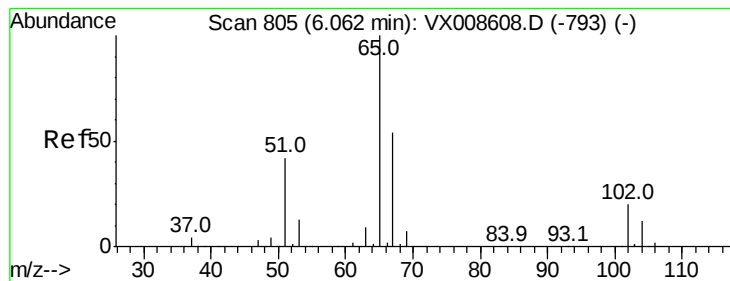
Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion:	97	Resp:	60467
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	47.5	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 49.891 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 65 Resp: 135756

Ion Ratio Lower Upper

65 100

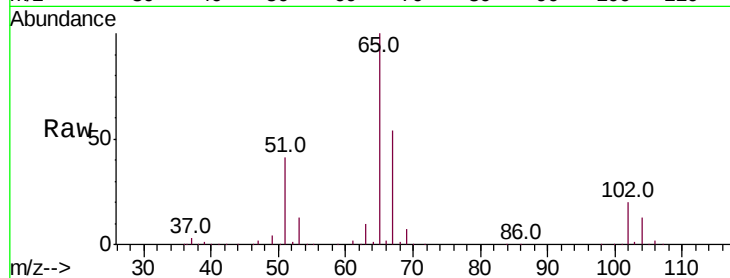
67 54.1 0.0 107.2

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

60000

50000

40000

30000

20000

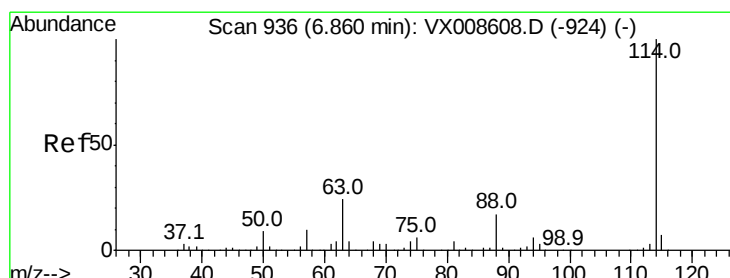
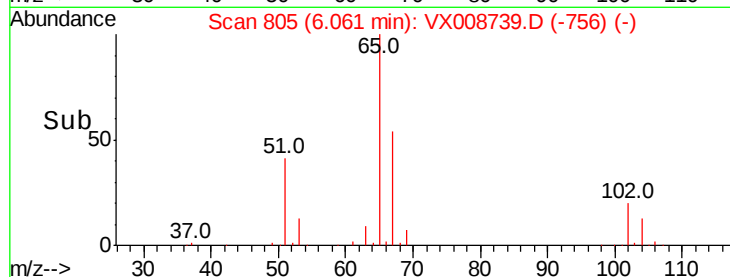
10000

0

6.06

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

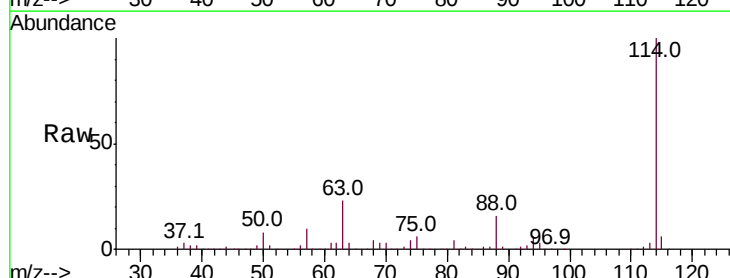
Tgt Ion:114 Resp: 302617

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.2

88 16.4 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

150000

100000

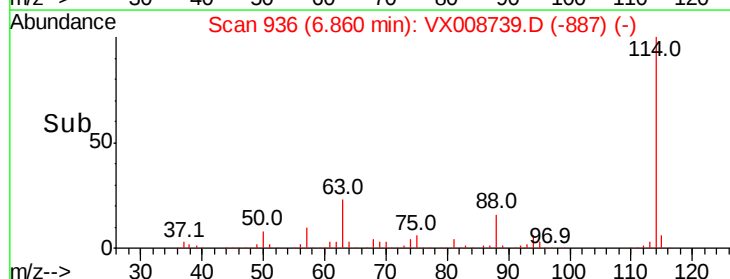
50000

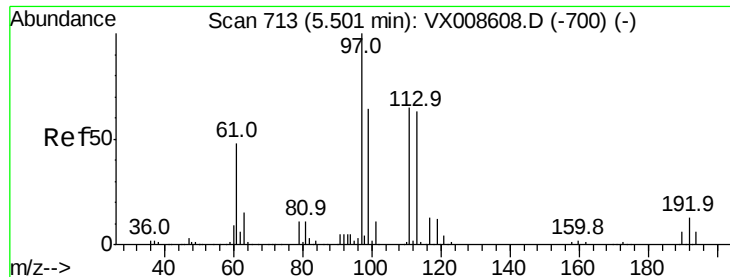
0

6.86

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 51.996 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

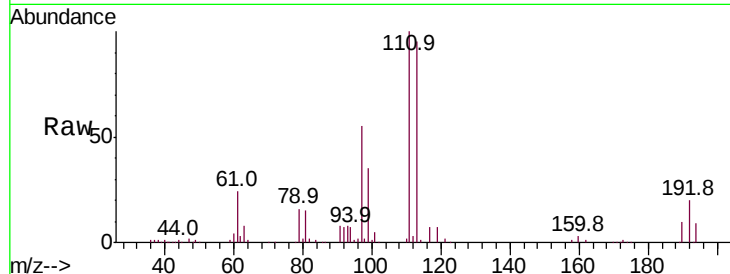
ClientSampleId :

VX0408WBS01

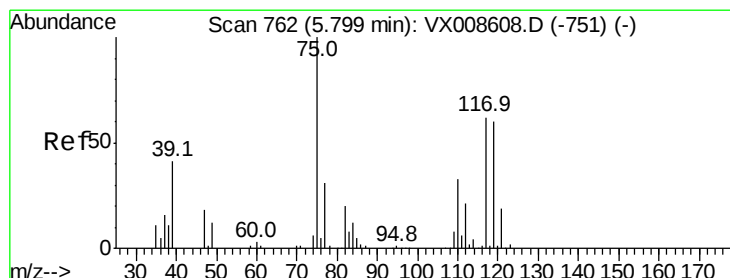
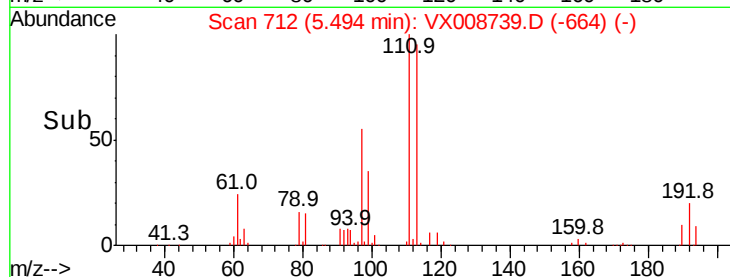
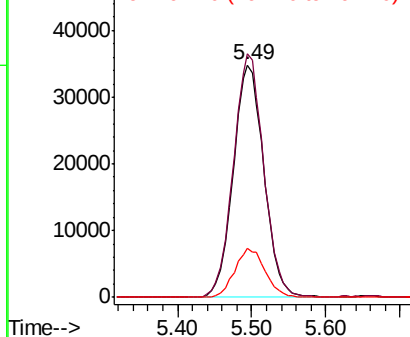
Tot Ion:	113	Resp:	100603
Ion Ratio	Lower	Upper	
113	100		
111	103.4	83.4	125.2
192	20.8	16.1	24.1

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.804 ug/l

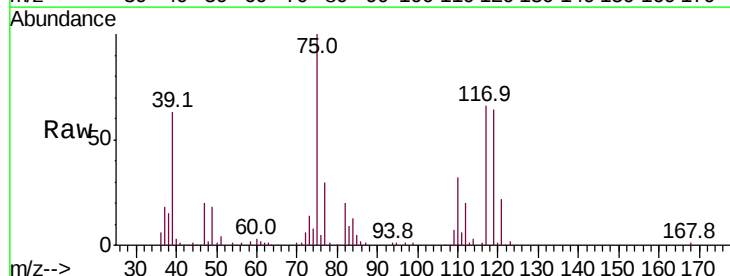
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

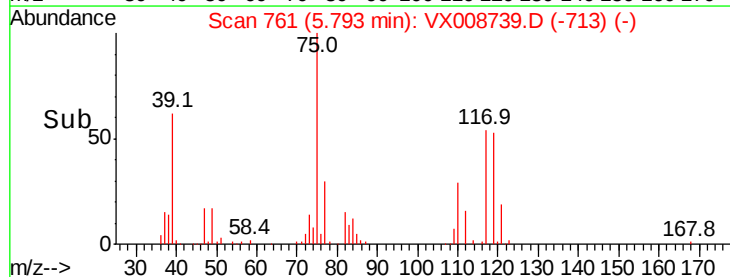
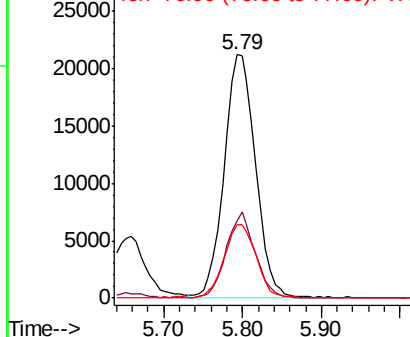
Lab File: VX008739.D

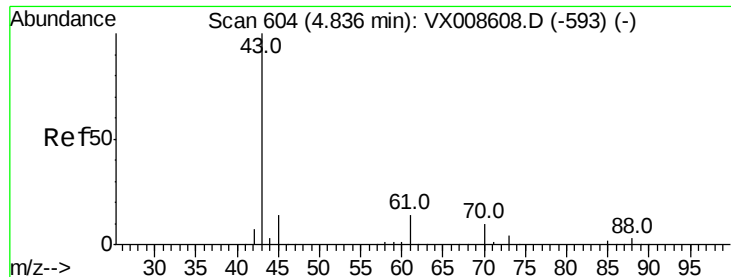
Acq: 08 Apr 2019 12:53

Tgt Ion:	75	Resp:	58895
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.4	49.2
77	30.9	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





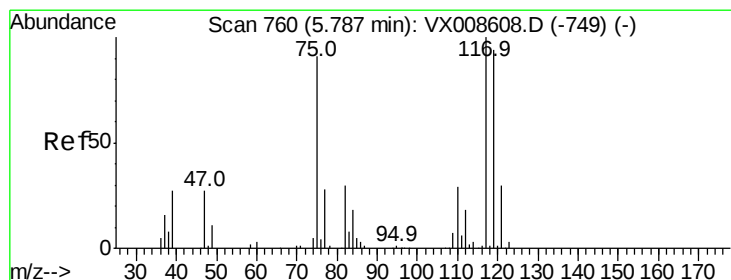
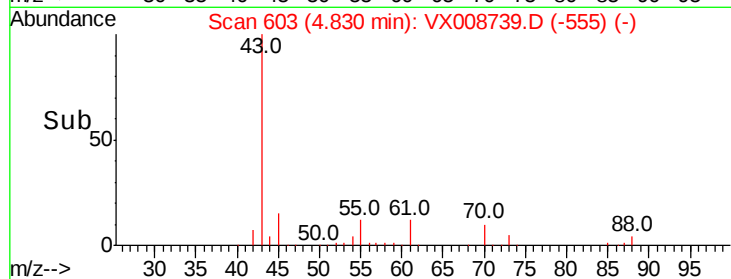
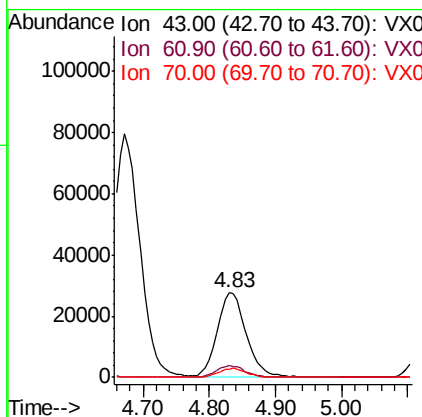
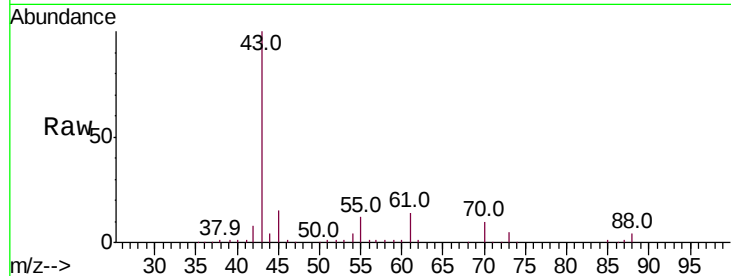
#37
Ethyl Acetate
Concen: 18.956 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	10.0	7.6	11.4

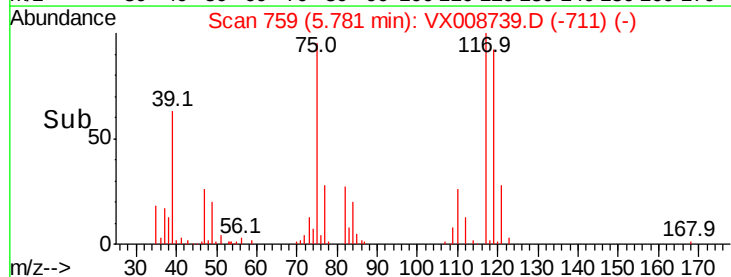
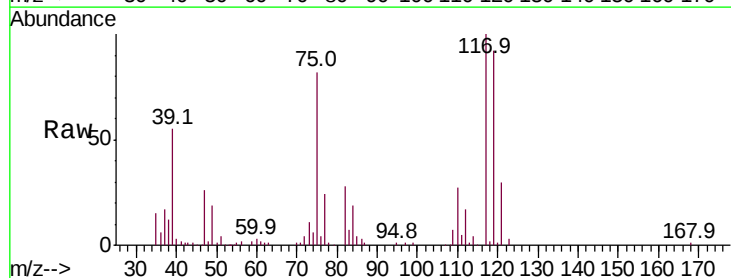
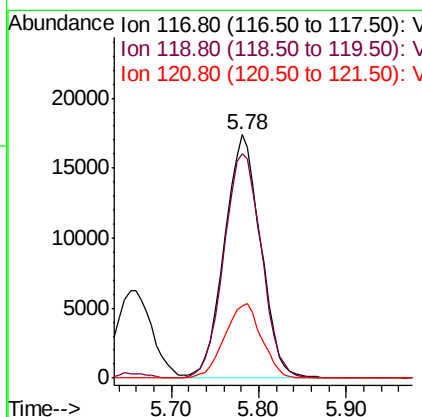
Manual Integrations
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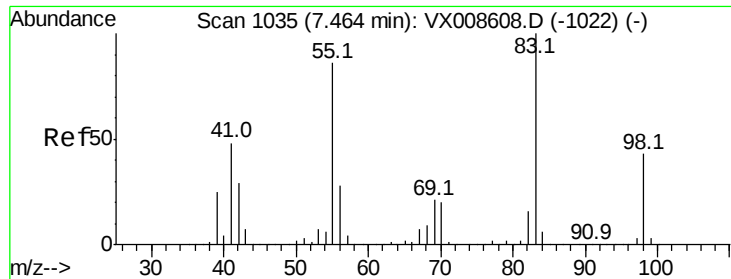
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#38
Carbon Tetrachloride
Concen: 18.244 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.0	112.6
121	29.8	24.3	36.5





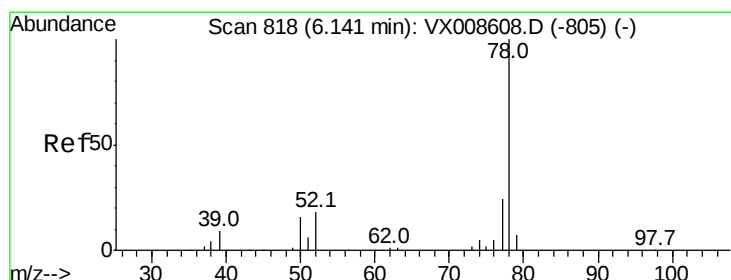
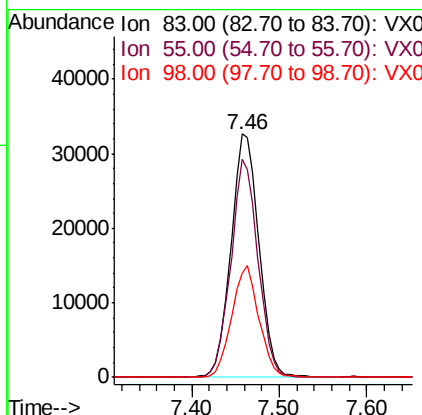
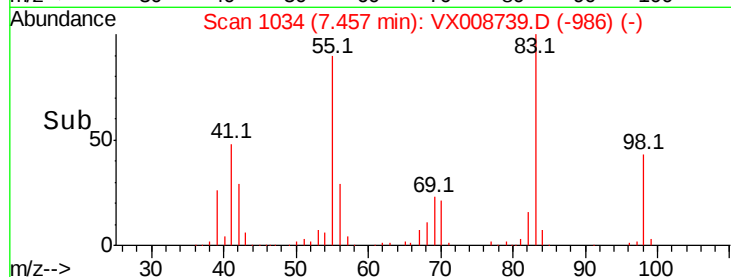
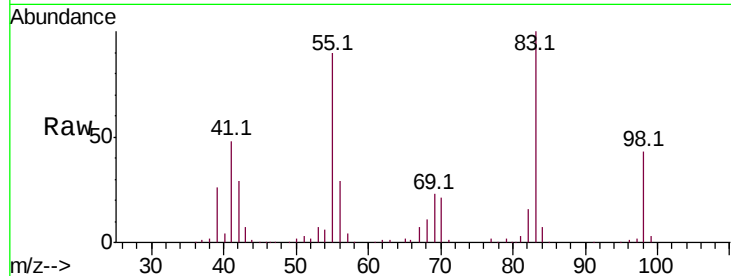
#39
Methvlcvclohexane
Concen: 17.801 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	69.0	103.6
98	43.0	34.4	51.6

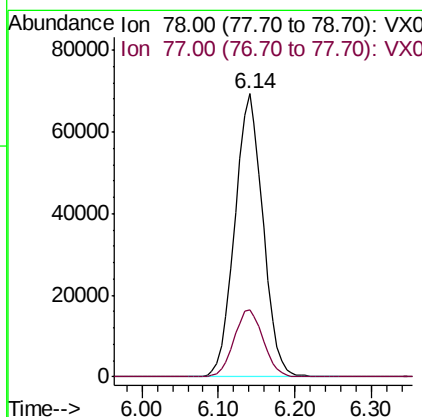
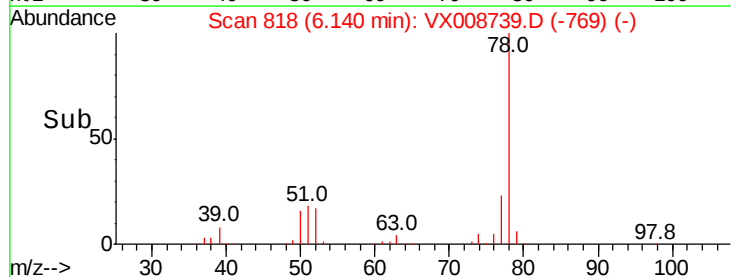
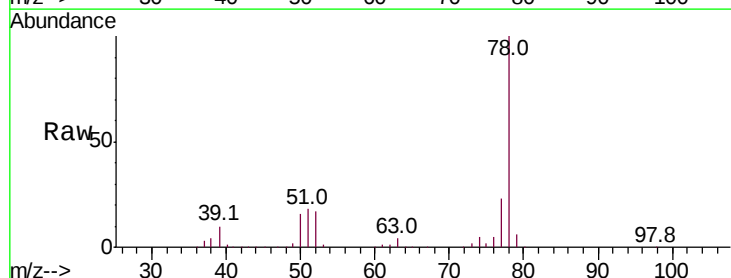
Manual Integrations
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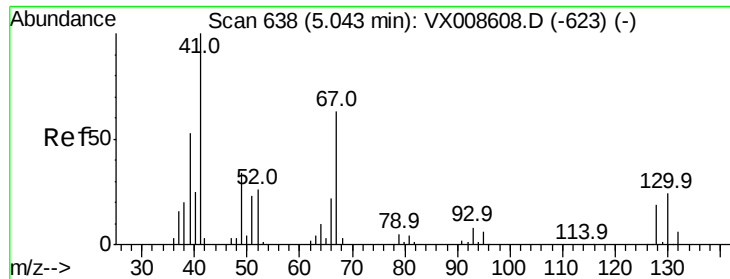
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#40
Benzene
Concen: 17.959 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





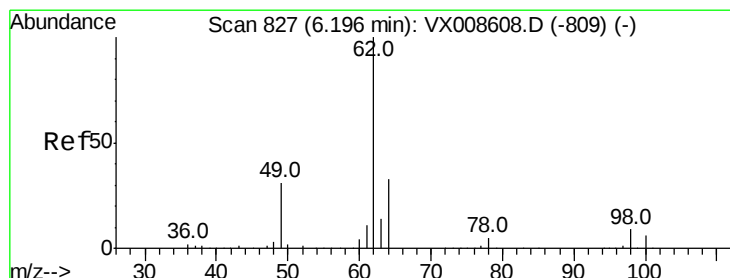
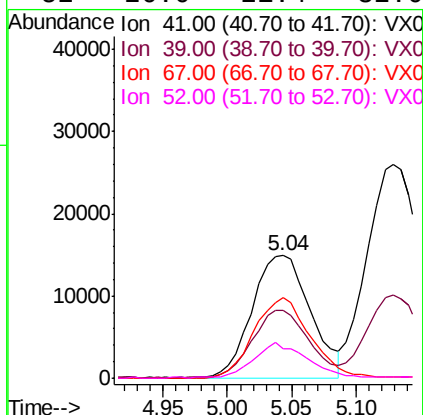
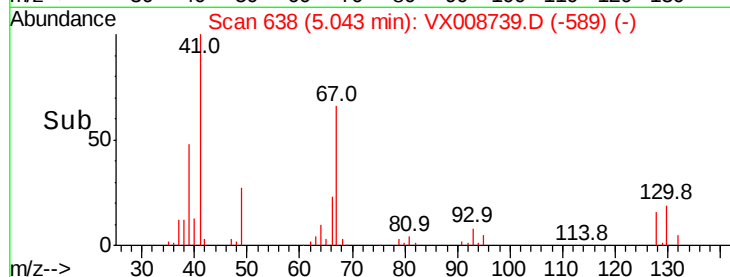
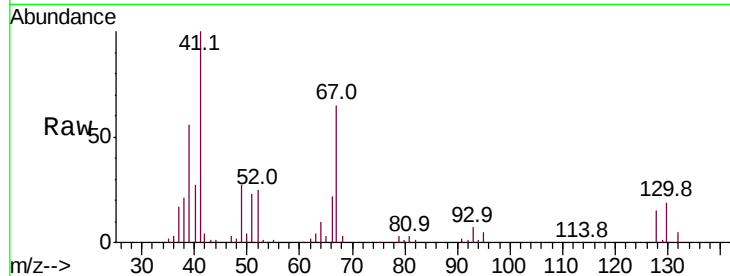
#41
Methacrylonitrile
Concen: 18.381 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.1	63.1	
67	64.0	51.0	76.6	
52	26.0	21.4	32.0	

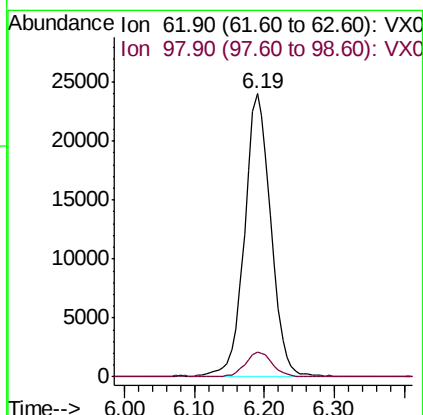
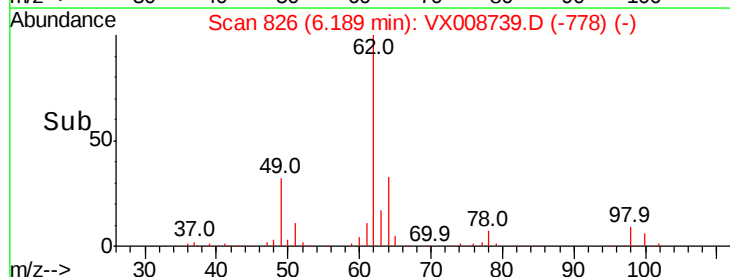
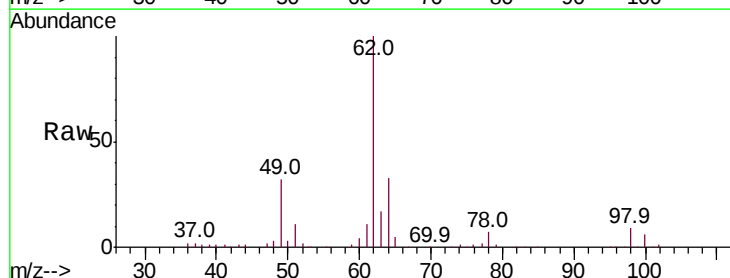
Manual Integrations
APPROVED

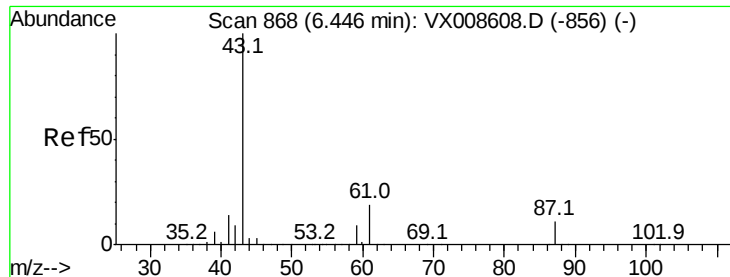
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#42
1,2-Dichloroethane
Concen: 17.595 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.0	





#43

Isopropyl Acetate

Concen: 18.358 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

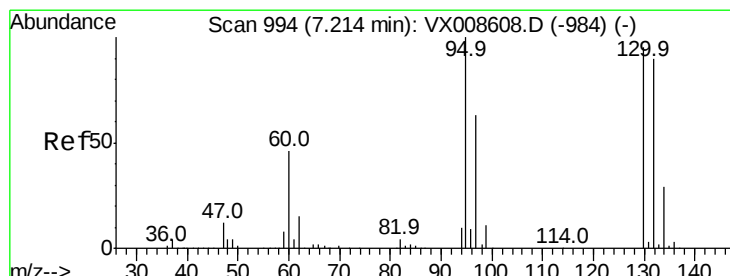
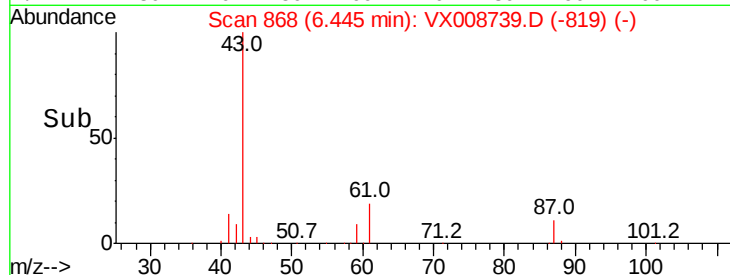
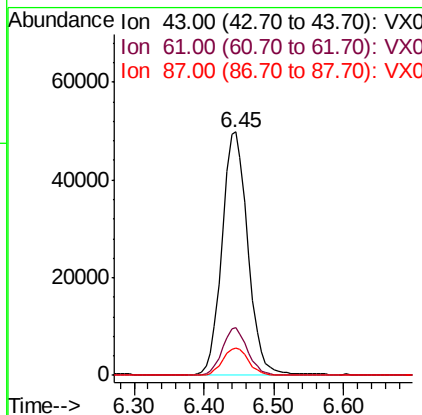
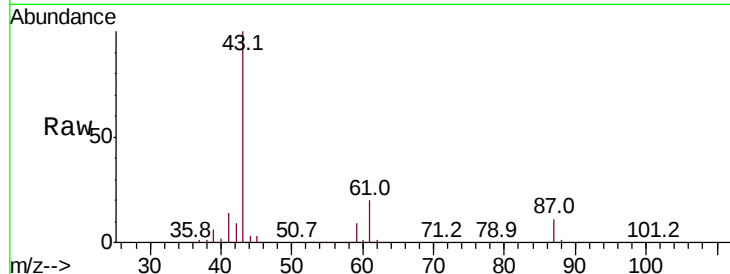
ClientSampleId :

VX0408WBS01

Tot Ion:	43	Resp:	126974
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.3	22.9
87	11.4	9.0	13.6

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#44

Trichloroethene

Concen: 18.122 ug/l

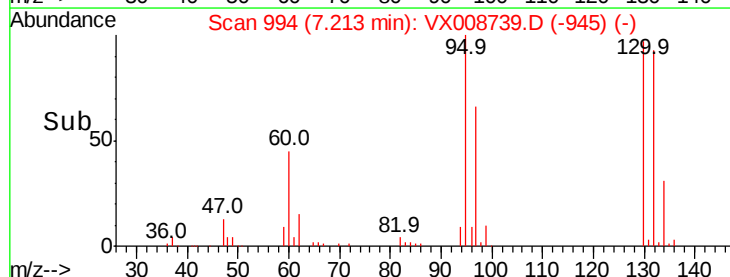
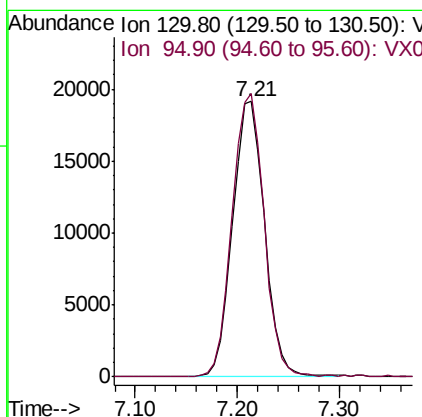
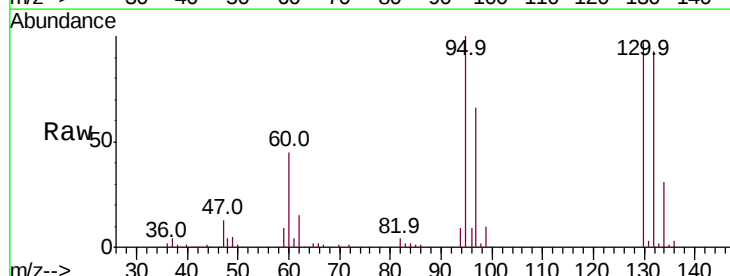
RT: 7.21 min Scan# 994

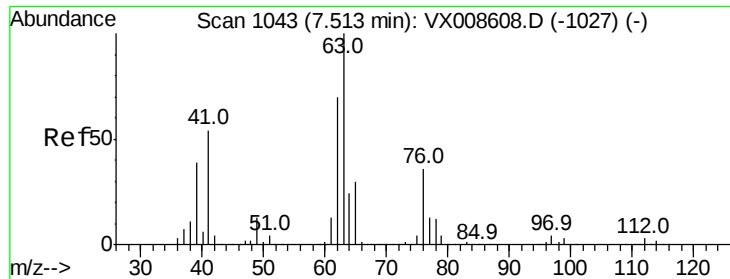
Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion:	130	Resp:	41593
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	209.8





#45

1,2-Dichloropropane

Concen: 17.815 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

VX0408WBS01

Tot Ion: 63 Resp: 50109

Ion Ratio Lower Upper

63 100

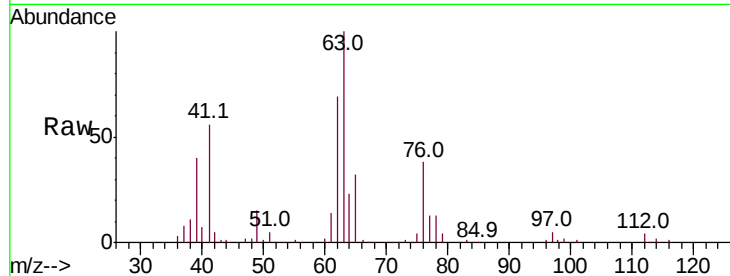
65 32.3 24.2 36.4

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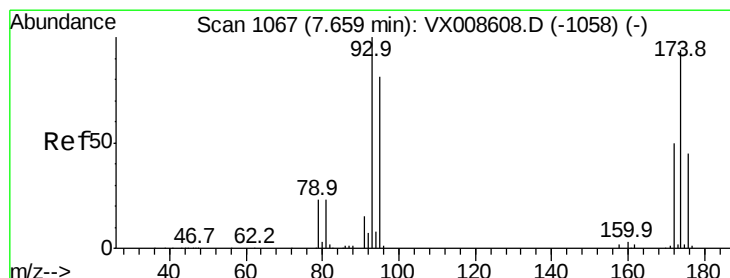
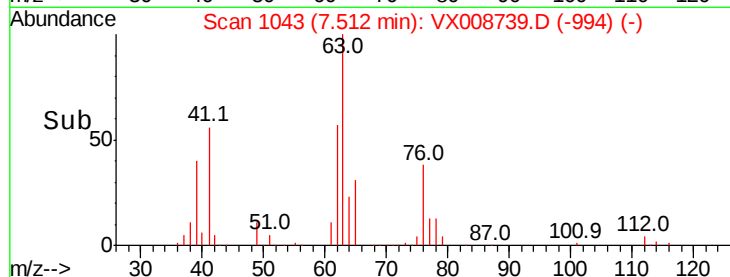
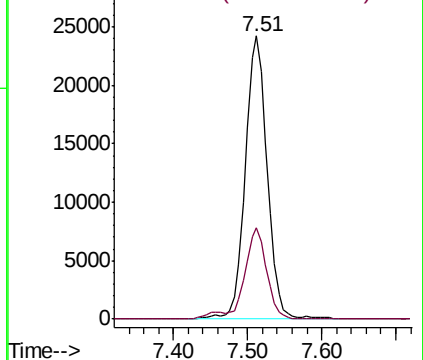
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.337 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

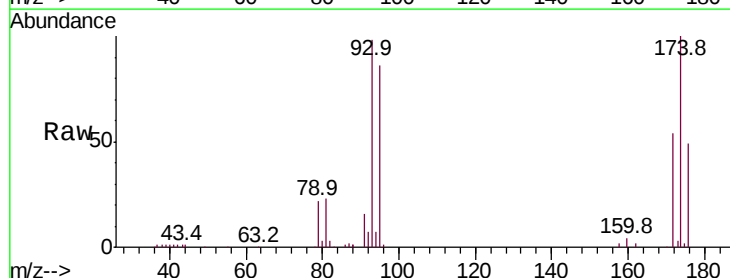
Tgt Ion: 93 Resp: 28282

Ion Ratio Lower Upper

93 100

95 83.9 66.6 99.8

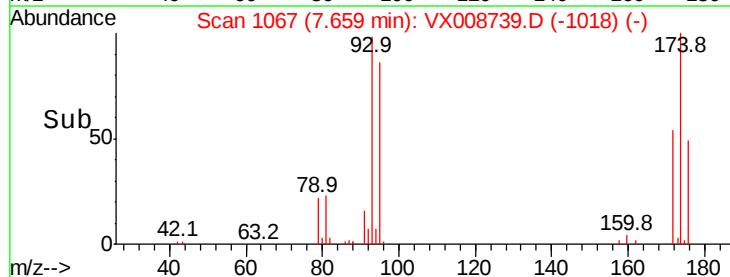
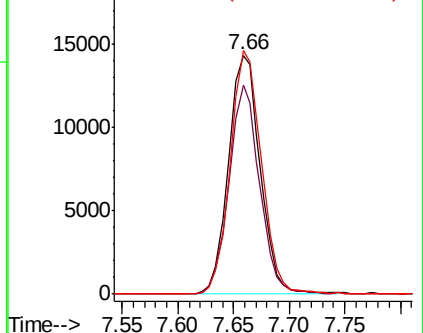
174 99.9 77.7 116.5

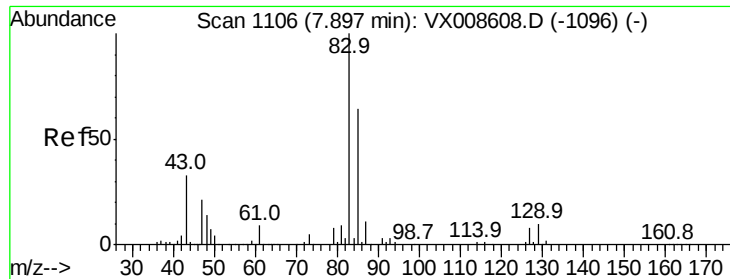


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.536 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

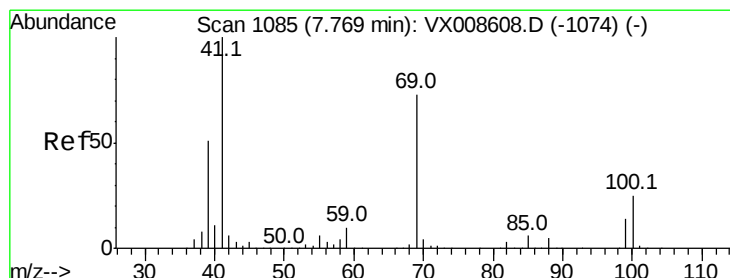
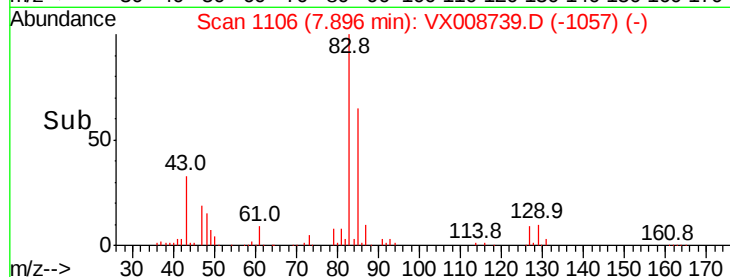
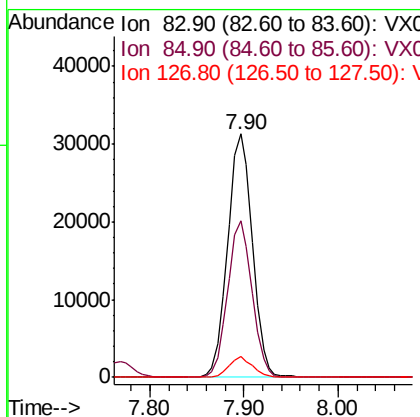
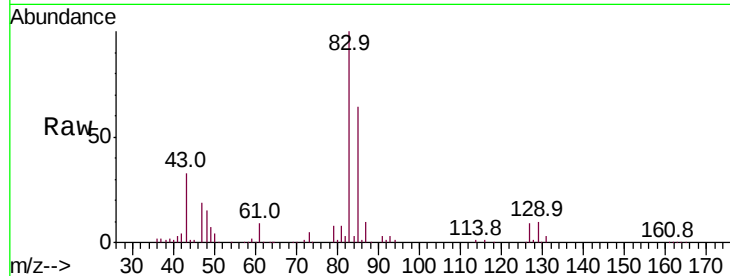
ClientSampleId :

VX0408WBS01

Tot Ion:	83	Resp:	57014
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	8.8	6.6	10.0

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#48

Methyl methacrylate

Concen: 18.236 ug/l

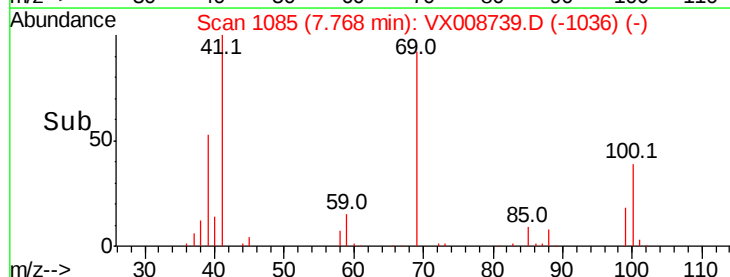
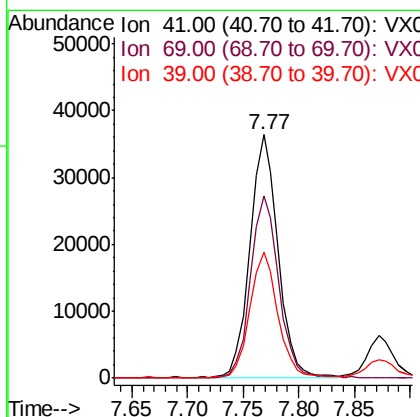
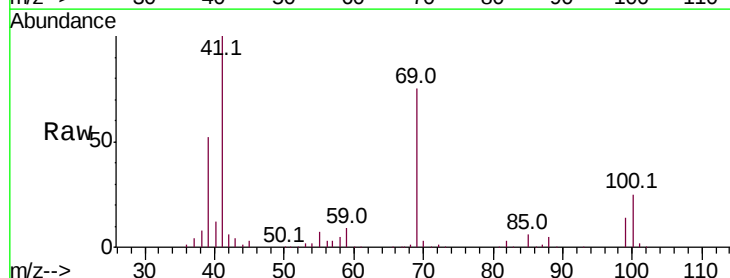
RT: 7.77 min Scan# 1085

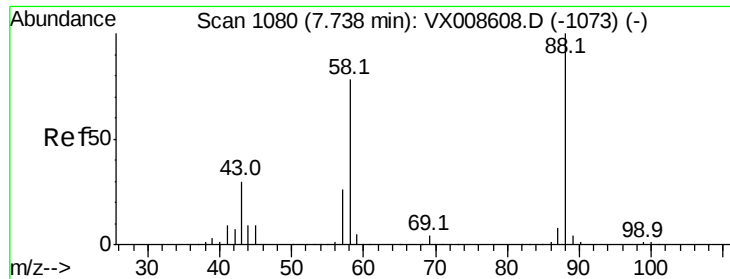
Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion:	41	Resp:	63803
Ion	Ratio	Lower	Upper
41	100		
69	76.1	59.0	88.4
39	52.1	41.0	61.4





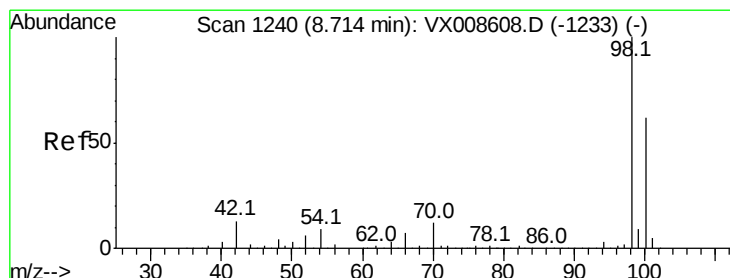
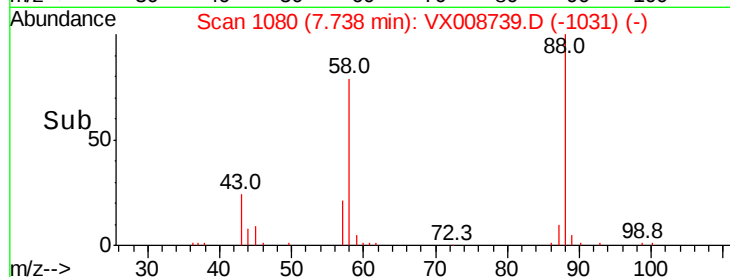
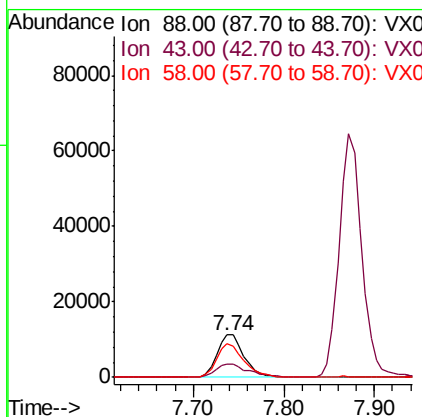
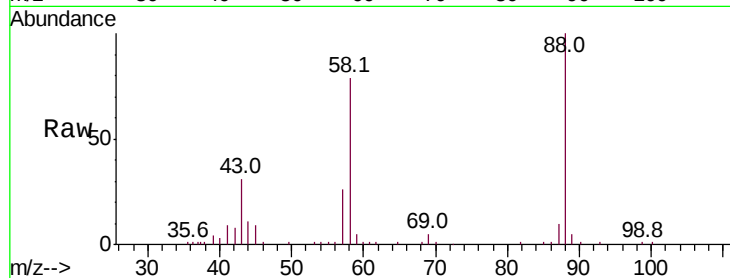
#49
1,4-Dioxane
Concen: 362.666 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.6	43.0
58	79.4	62.2	93.2

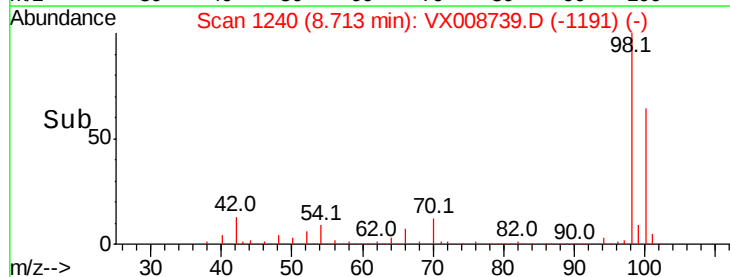
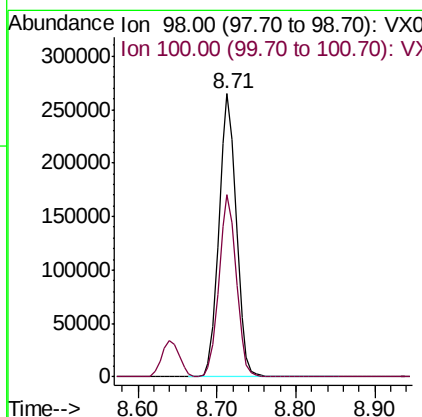
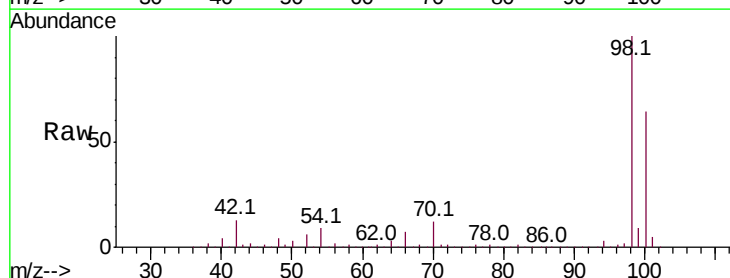
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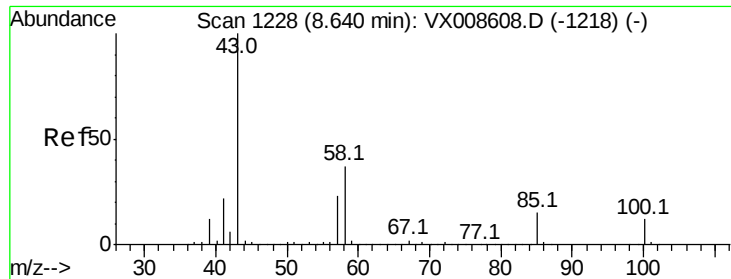
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#50
Toluene-d8
Concen: 52.746 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 95.300 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 43 Resp: 424327

Ion Ratio Lower Upper

43 100

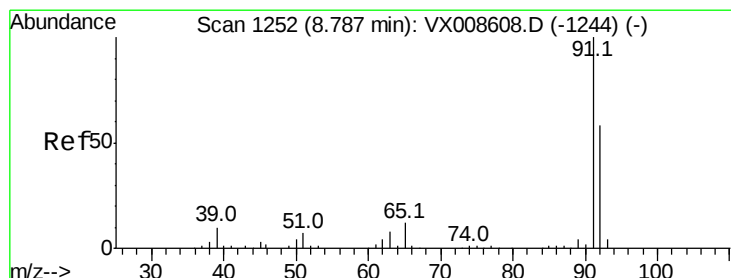
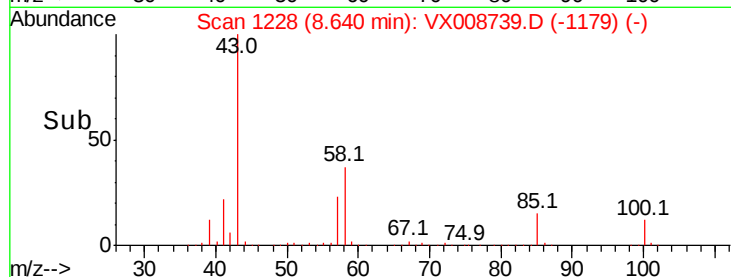
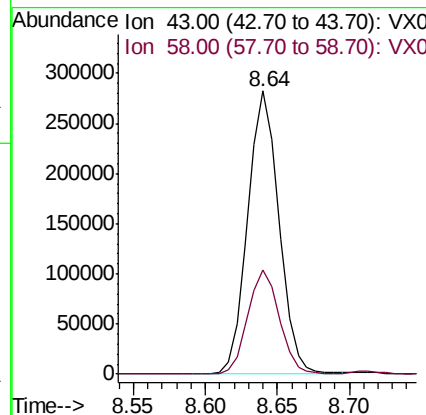
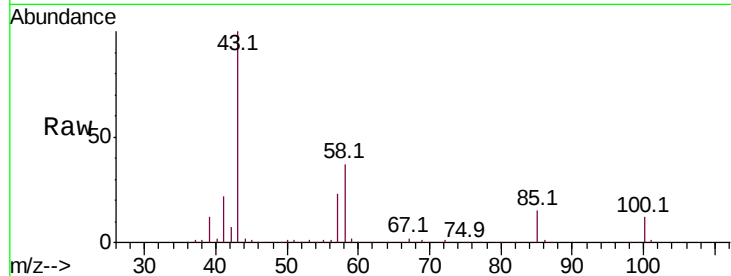
58 37.0 29.5 44.3

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#52

Toluene

Concen: 18.271 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008739.D

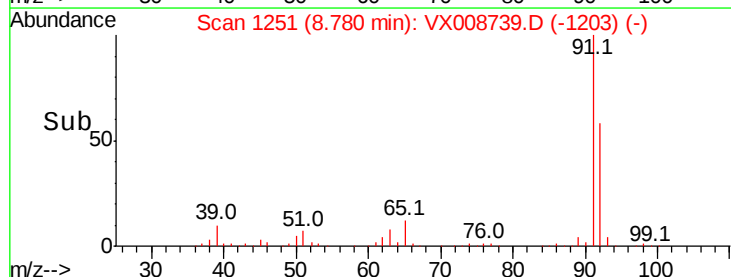
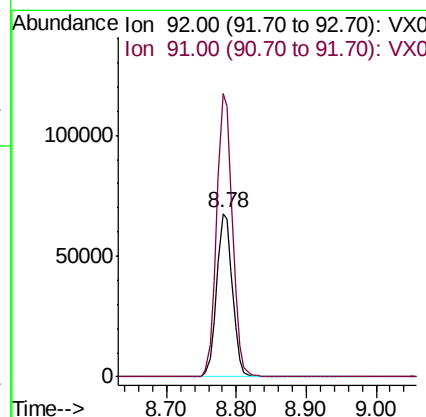
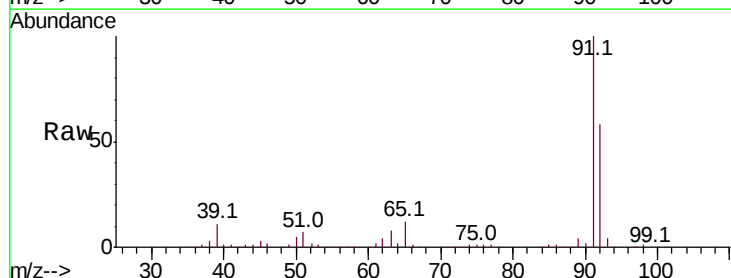
Acq: 08 Apr 2019 12:53

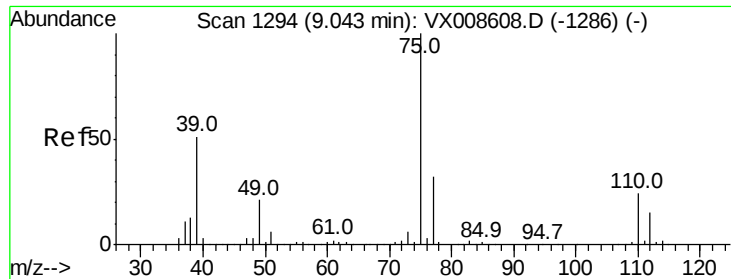
Tgt Ion: 92 Resp: 106152

Ion Ratio Lower Upper

92 100

91 173.2 138.5 207.7





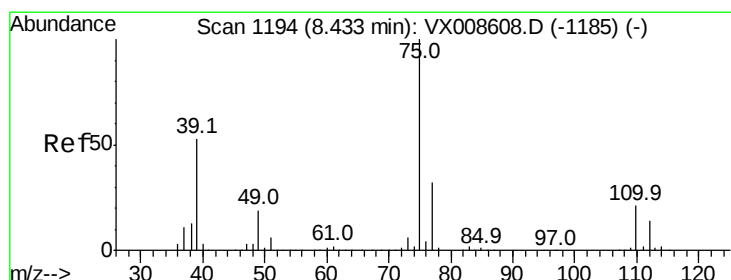
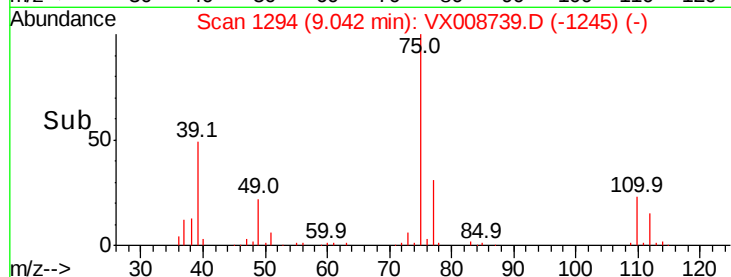
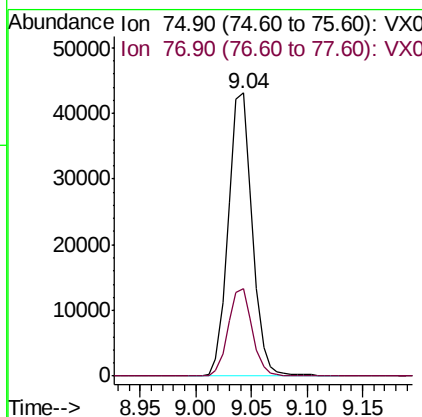
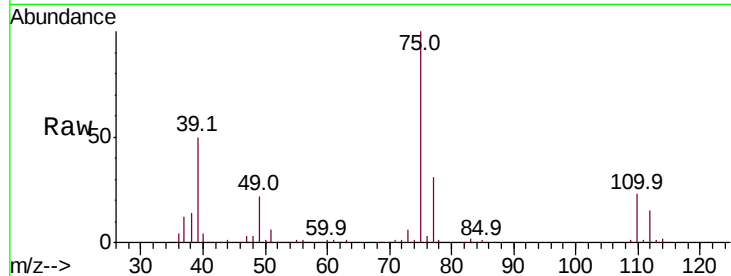
#53
t-1,3-Dichloropropene
Concen: 18.672 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion: 75 Resp: 64334
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8

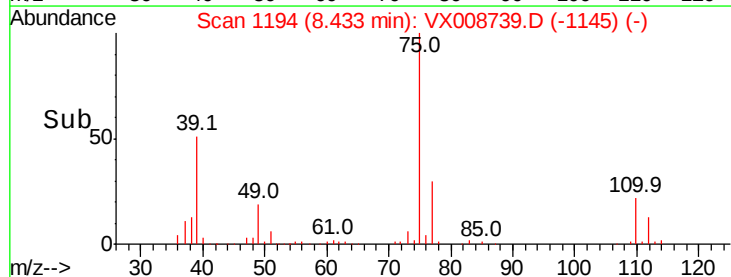
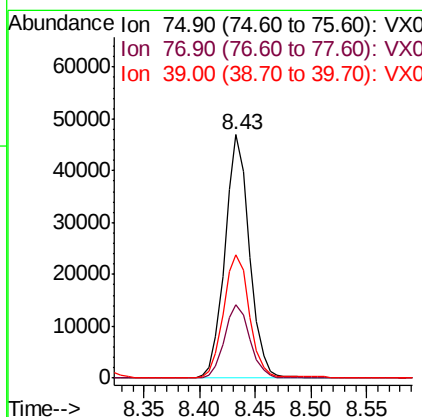
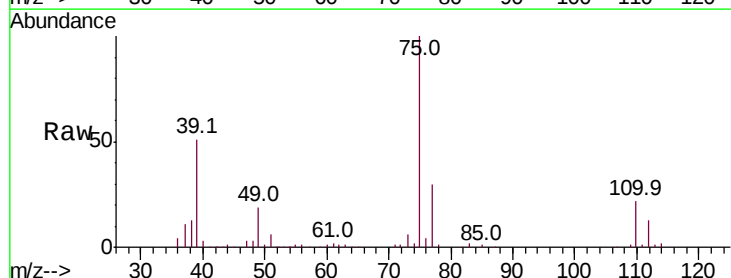
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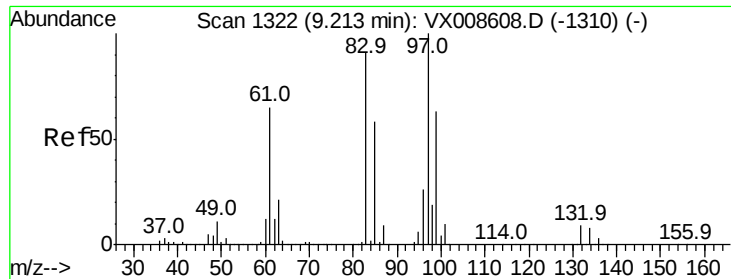
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#54
cis-1,3-Dichloropropene
Concen: 18.127 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion: 75 Resp: 71365
Ion Ratio Lower Upper
75 100
77 30.1 25.3 37.9
39 50.4 42.6 63.8





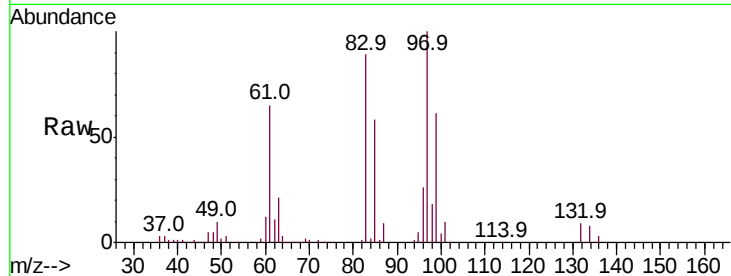
#55
 1,1,2-Trichloroethane
 Concen: 18.614 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.7	73.2	109.8
85	58.4	46.6	69.8
99	61.5	50.1	75.1

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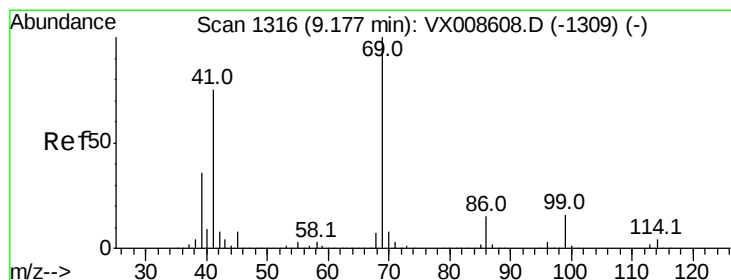
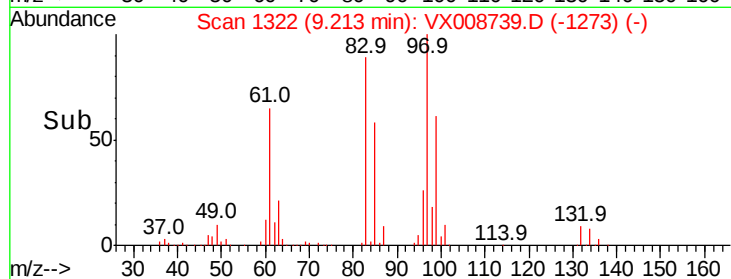
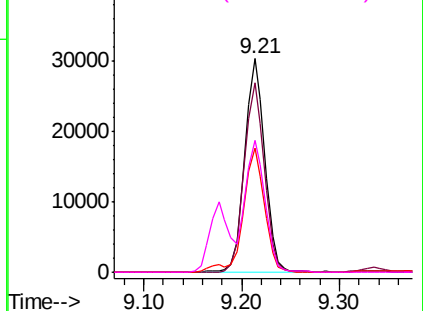
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

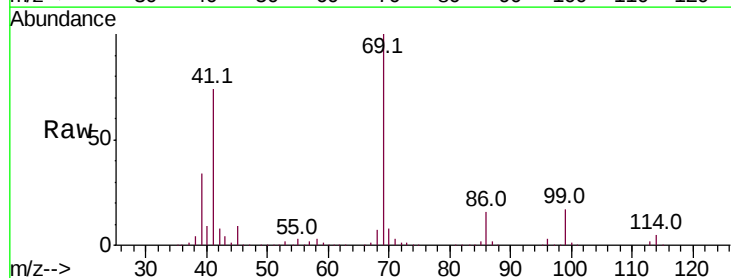
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 18.638 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.1	90.1
39	35.5	28.9	43.3

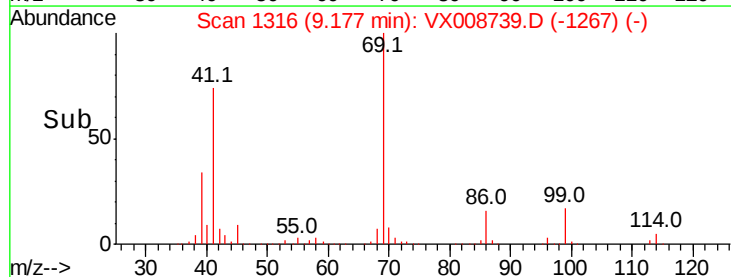
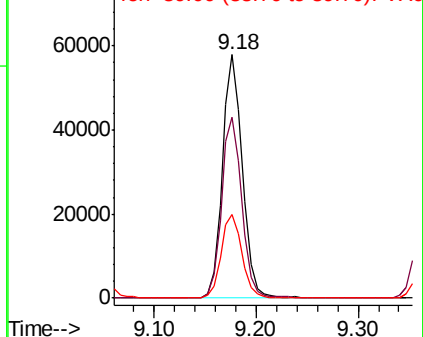


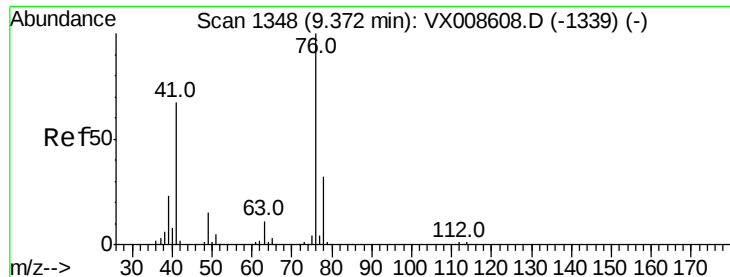
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





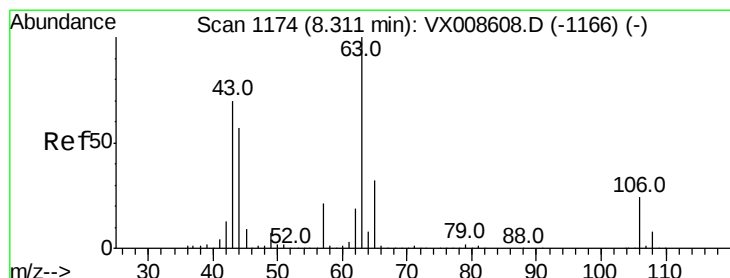
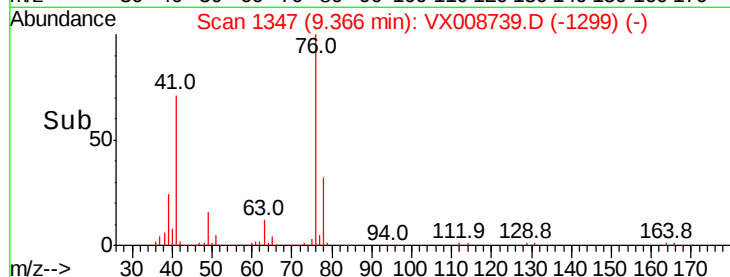
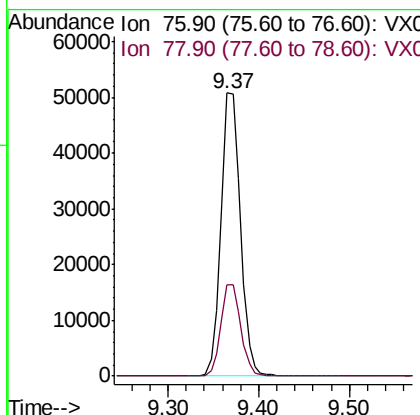
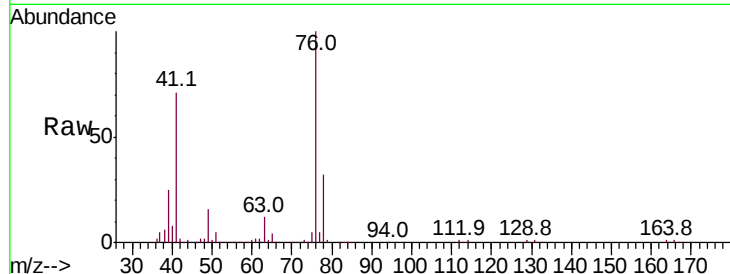
#57
 1,3-Dichloropropane
 Concen: 18.232 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion: 76 Resp: 76348
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4

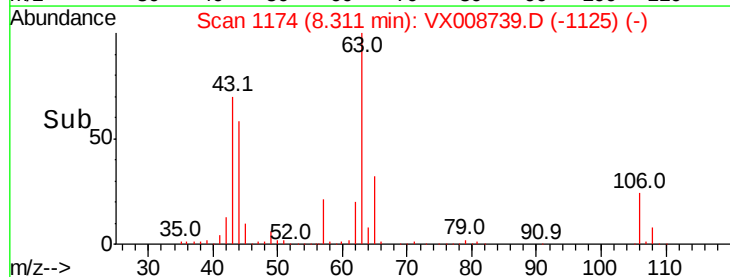
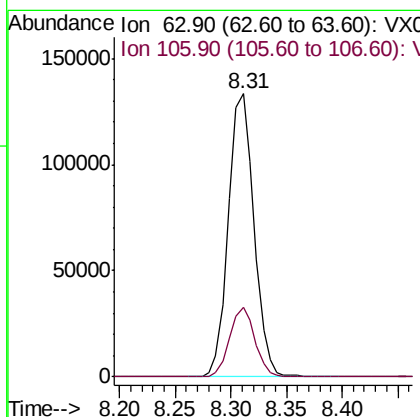
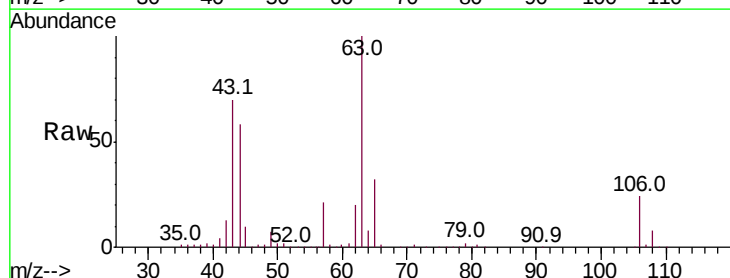
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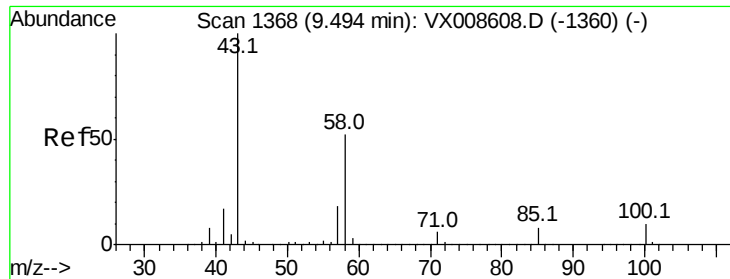
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.250 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Tgt Ion: 63 Resp: 213842
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.0 28.6





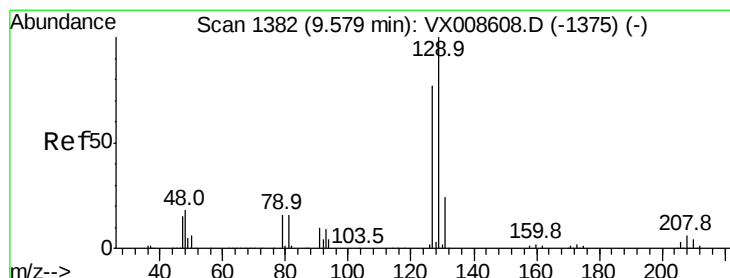
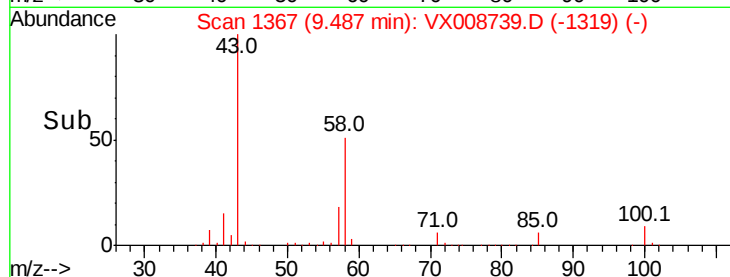
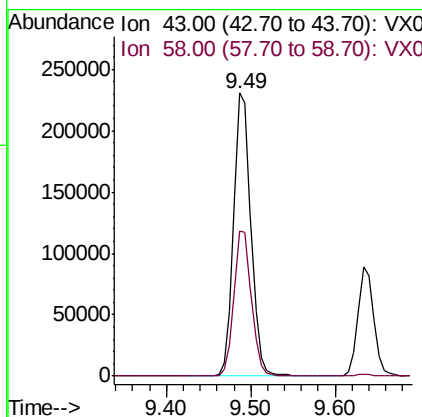
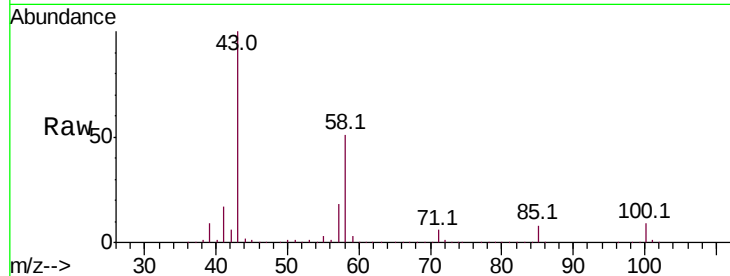
#59
2-Hexanone
Concen: 93.083 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0408WBS01

Tot Ion: 43 Resp: 322093
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7

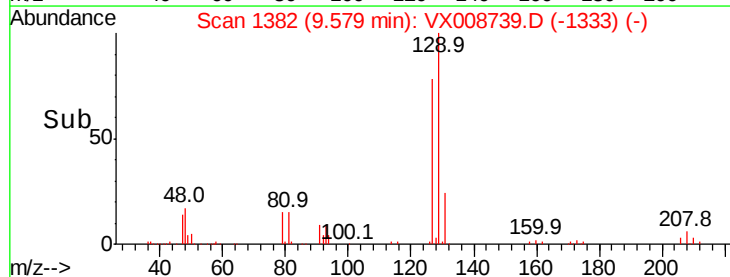
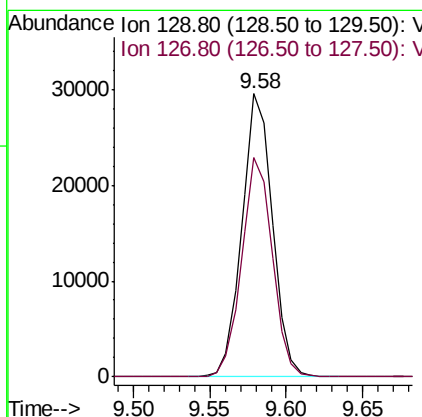
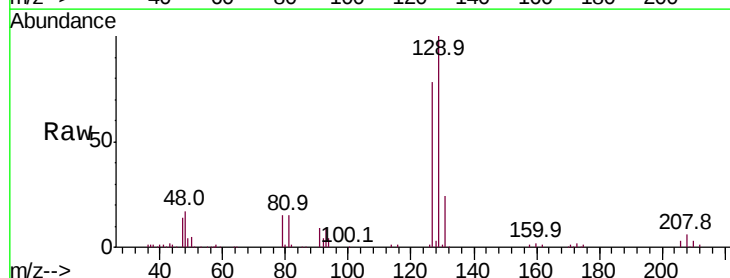
Manual Integrations
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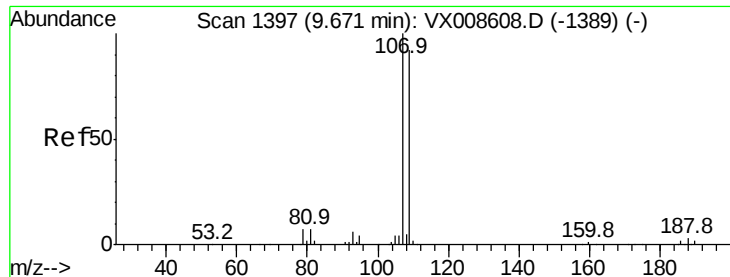
MMDadoda
4/9/2019 1:48:57 PM



#60
Dibromochloromethane
Concen: 18.615 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion: 129 Resp: 40908
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 18.040 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion:107 Resp: 43798

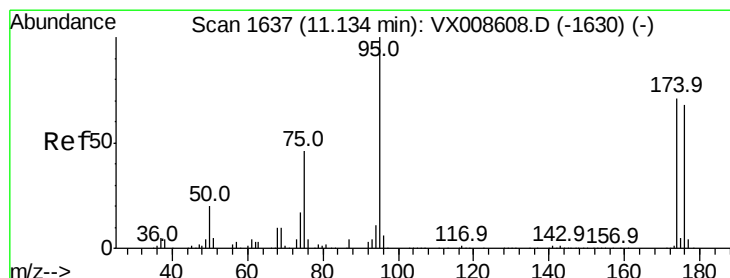
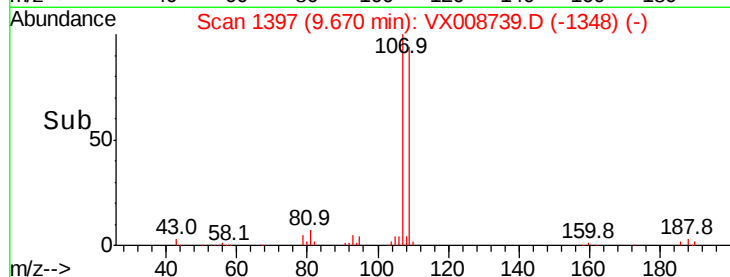
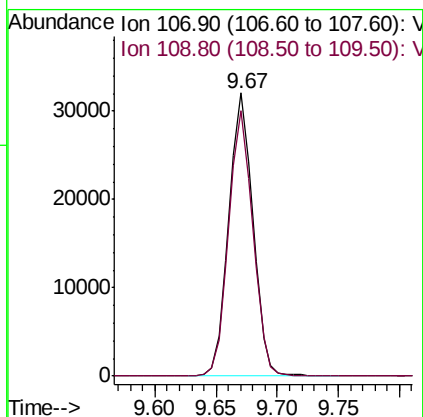
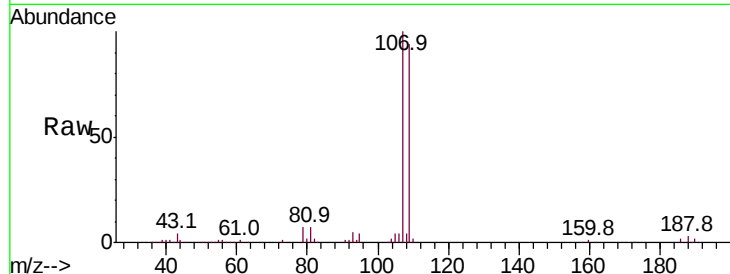
Ion Ratio Lower Upper

107 100

109 94.1 74.1 111.1

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#62

4-Bromofluorobenzene

Concen: 52.350 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

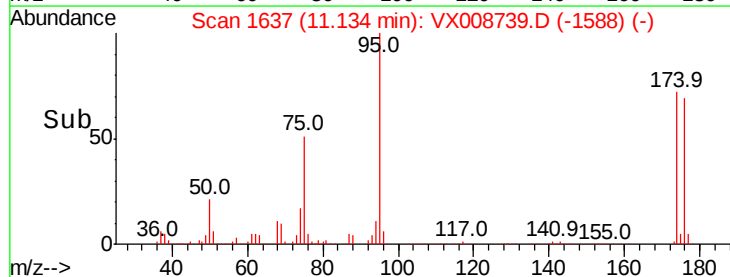
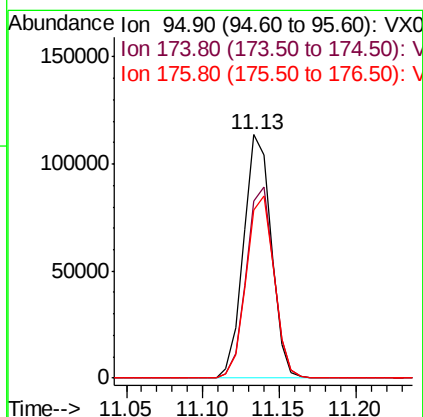
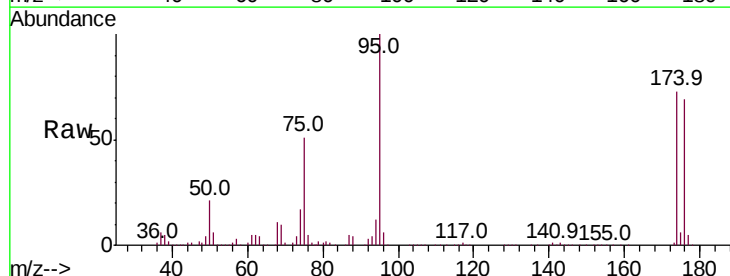
Tgt Ion: 95 Resp: 143016

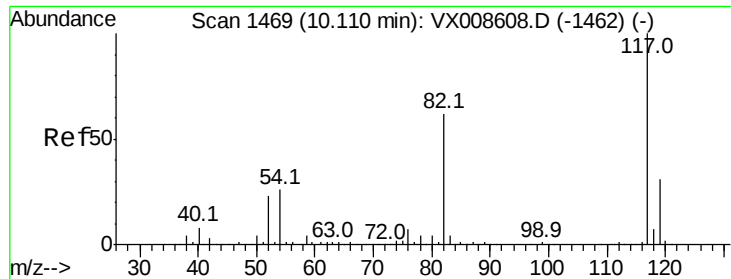
Ion Ratio Lower Upper

95 100

174 78.3 0.0 151.8

176 75.7 0.0 145.8





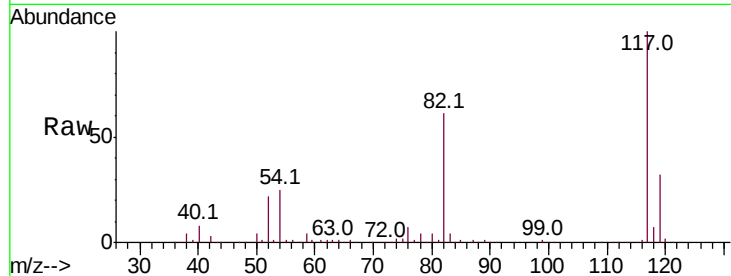
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.6	74.4
119	32.1	25.0	37.4

Manual Integrations
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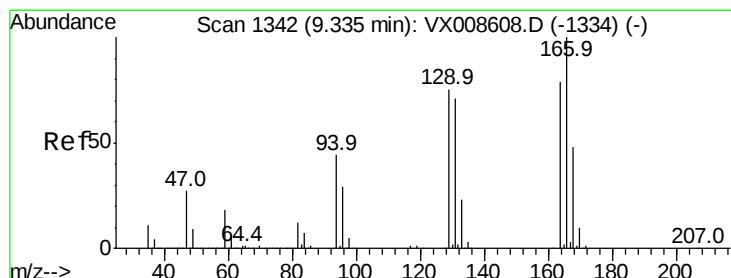
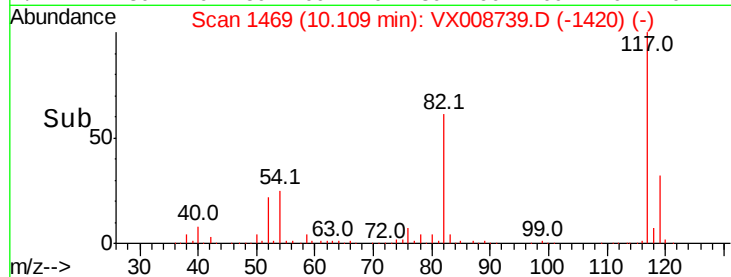
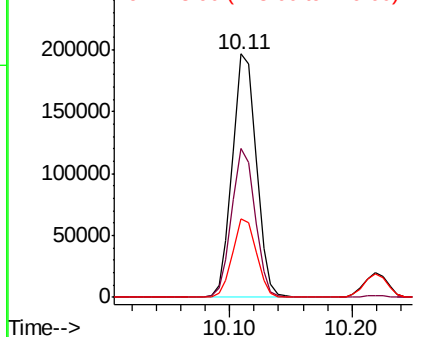


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.772 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.0	151.6
129	95.6	75.8	113.8
131	89.5	71.8	107.8

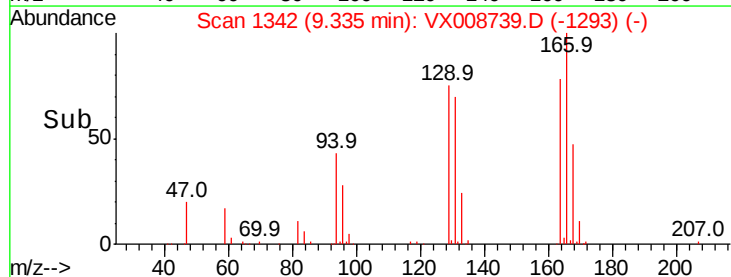
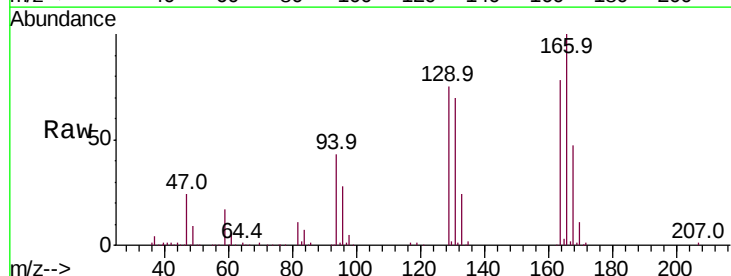
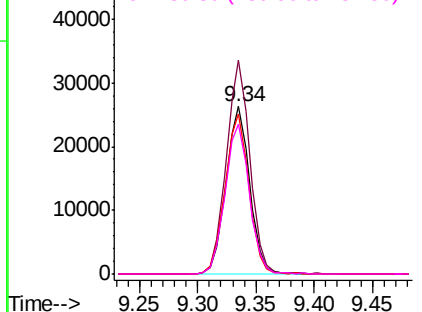
Abundance

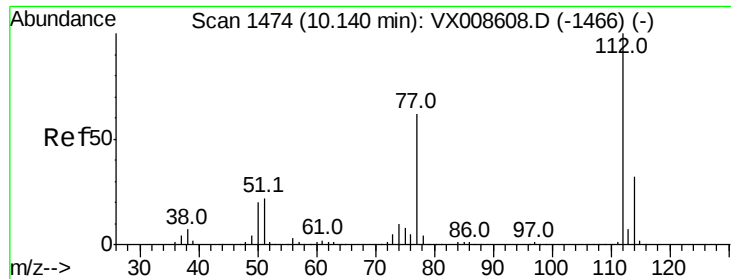
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





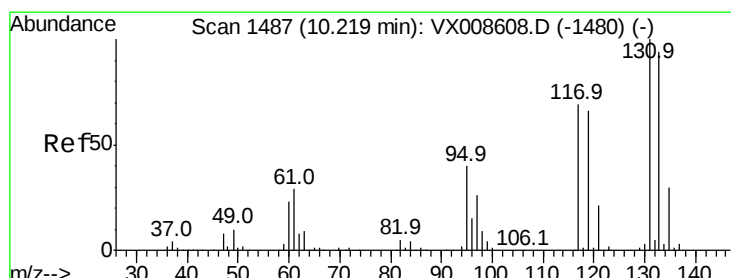
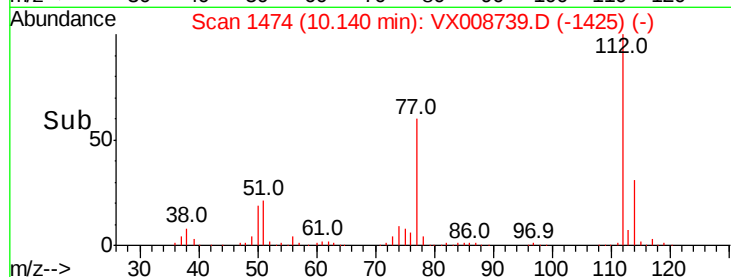
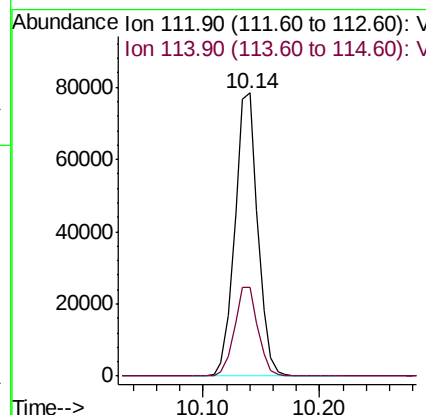
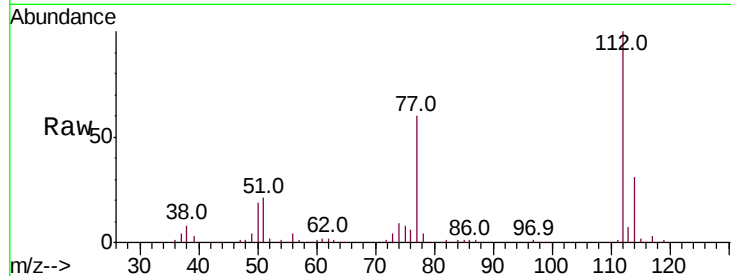
#65
Chlorobenzene
Concen: 18.158 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion:112 Resp: 107274
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8

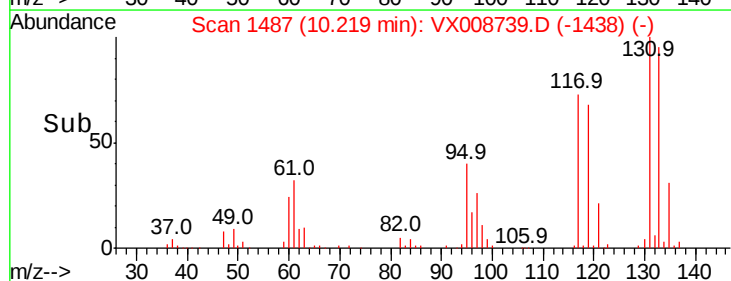
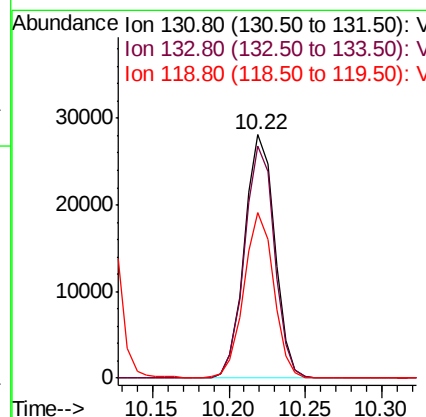
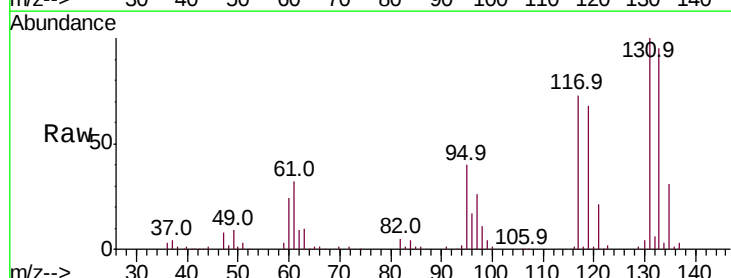
Manual Integrations
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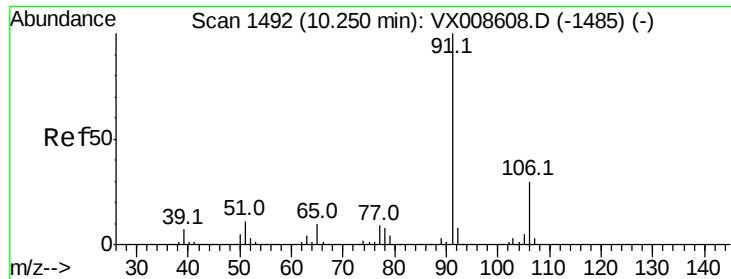
MMDadoda
4/9/2019 1:48:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.620 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion:131 Resp: 38592
Ion Ratio Lower Upper
131 100
133 94.8 47.0 141.2
119 66.9 33.7 101.0





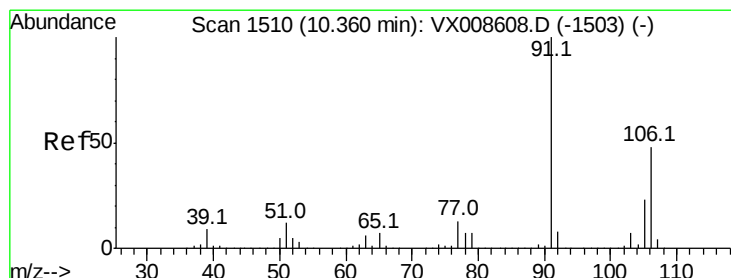
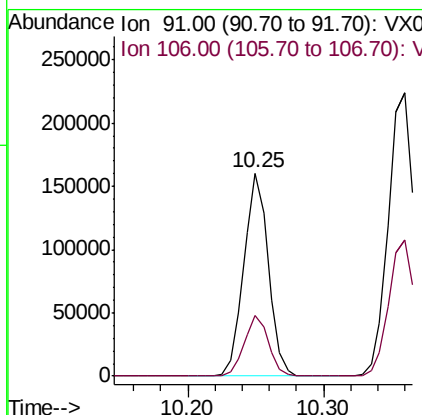
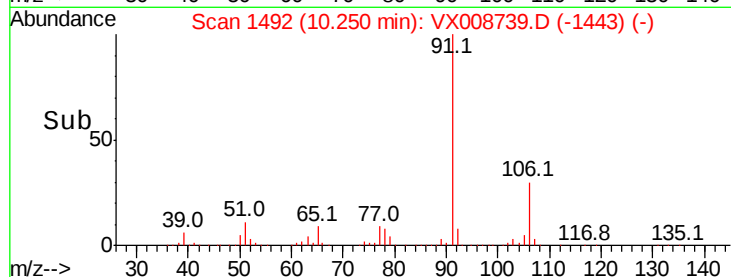
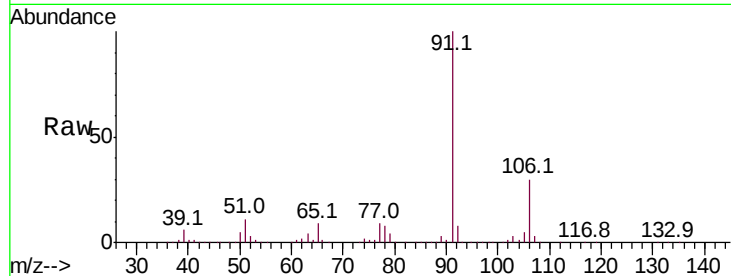
#67
Ethyl Benzene
Concen: 18.353 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0408WBS01

Tot Ion: 91 Resp: 202186
Ion Ratio Lower Upper
91 100
106 29.7 23.7 35.5

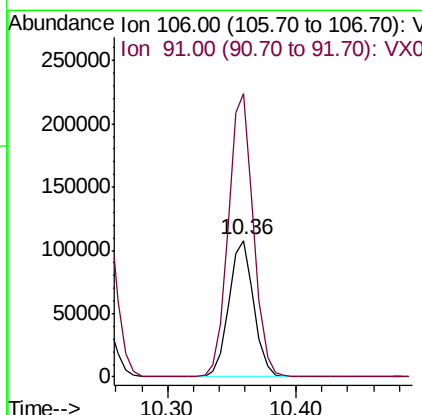
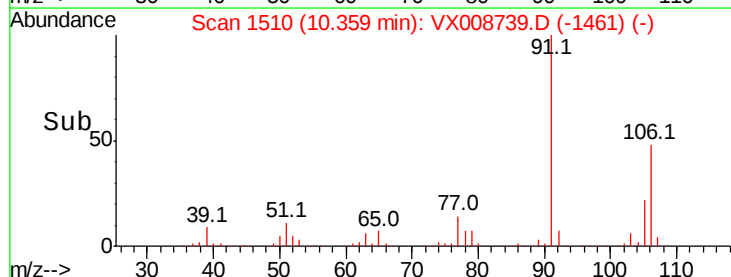
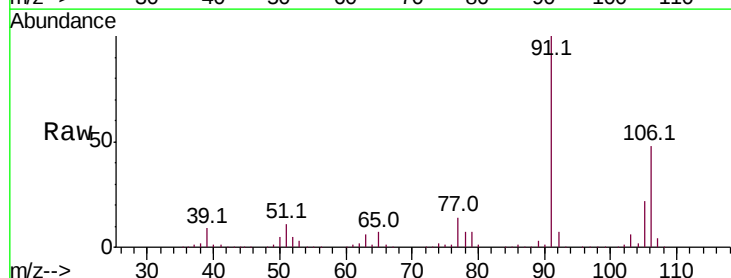
Manual Integrations
APPROVED

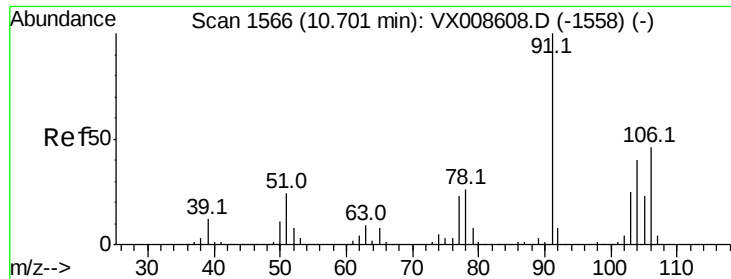
MMDadoda
4/9/2019 1:48:57 PM



#68
m/p-Xylenes
Concen: 36.603 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion: 106 Resp: 144983
Ion Ratio Lower Upper
106 100
91 209.5 168.5 252.7





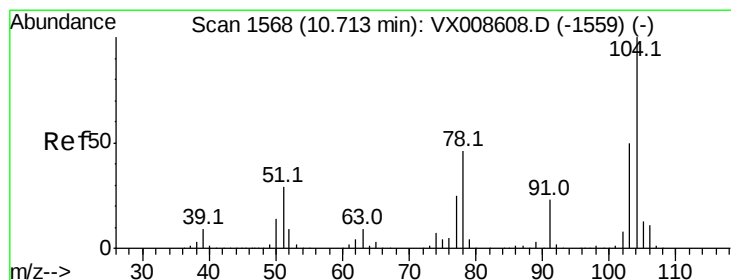
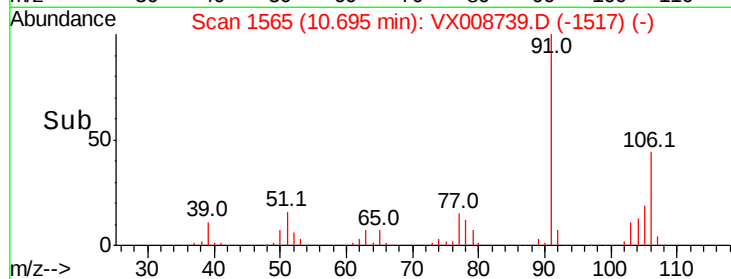
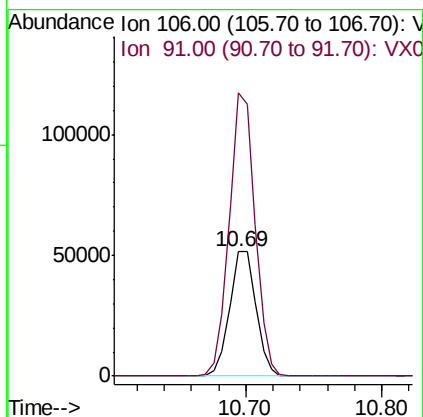
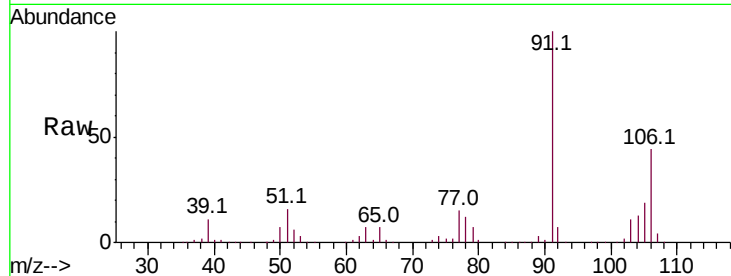
#69
o-Xylene
Concen: 18.220 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0408WBS01

Tot Ion:106 Resp: 69939
Ion Ratio Lower Upper
106 100
91 222.1 111.5 334.4

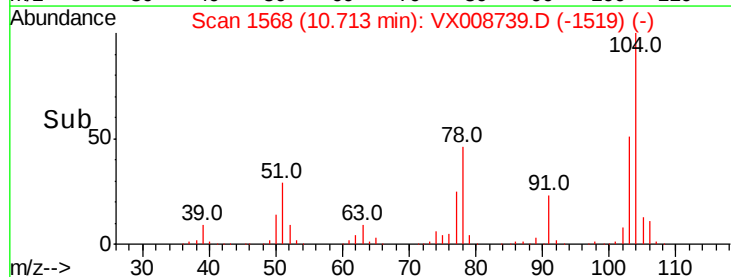
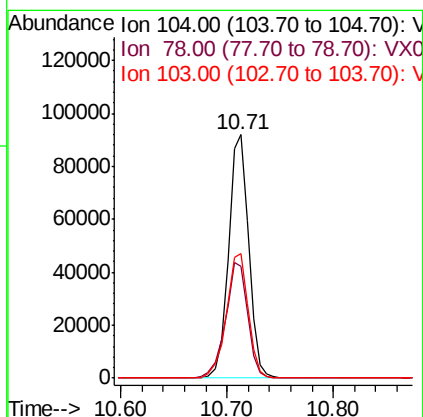
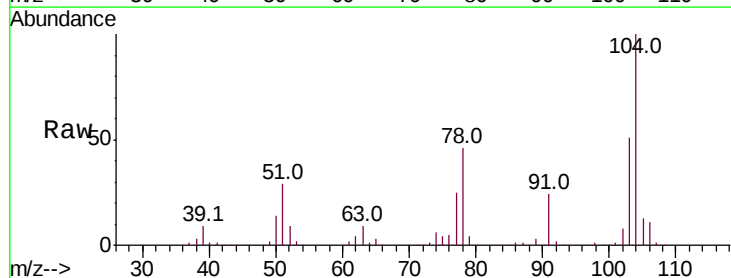
Manual Integrations
APPROVED

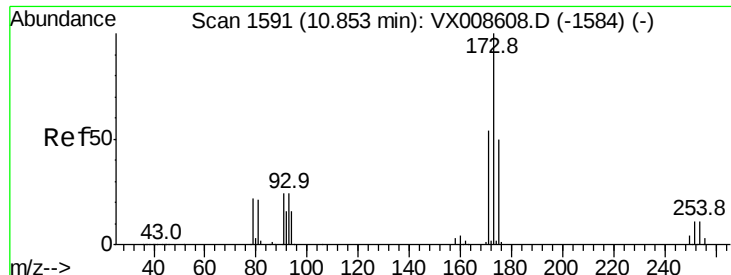
MMDadoda
4/9/2019 1:48:57 PM



#70
Styrene
Concen: 18.410 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion:104 Resp: 121819
Ion Ratio Lower Upper
104 100
78 52.2 42.3 63.5
103 55.5 44.4 66.6





#71

Bromoform

Concen: 18.718 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion:173 Resp: 29630

Ion Ratio Lower Upper

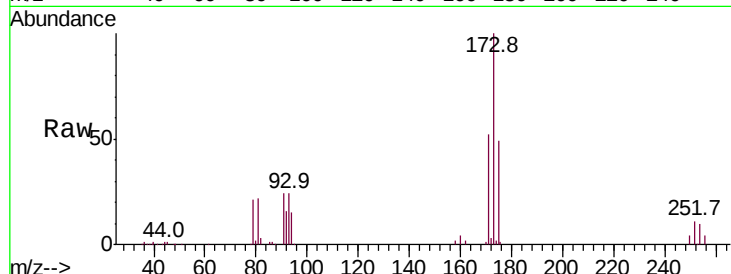
173 100

175 48.3 24.9 74.6

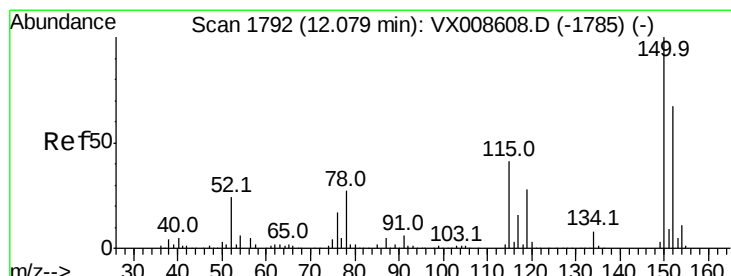
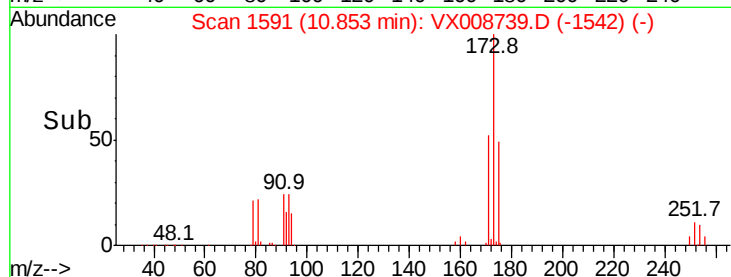
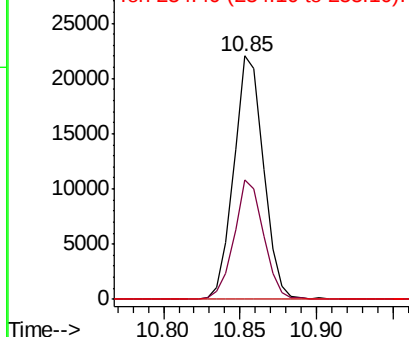
254 0.0 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

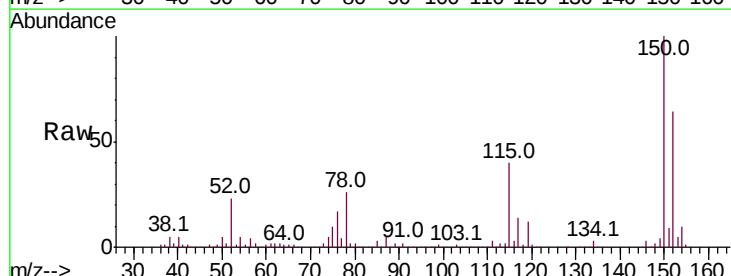
Tgt Ion:152 Resp: 122658

Ion Ratio Lower Upper

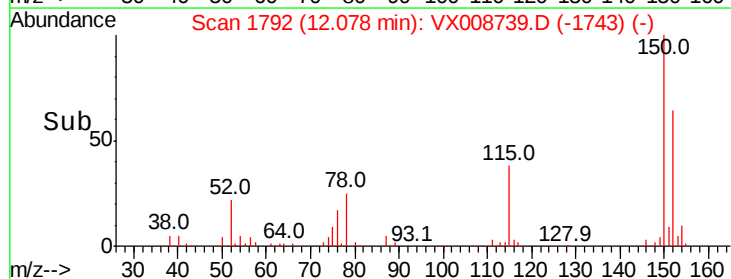
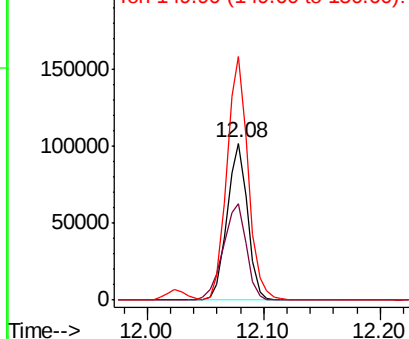
152 100

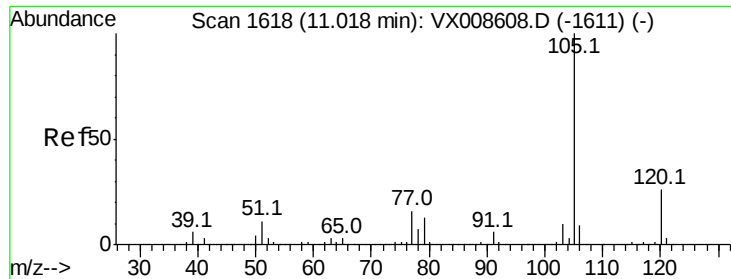
115 70.0 43.5 130.5

150 162.3 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.735 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion:105 Resp: 190443

Ion Ratio Lower Upper

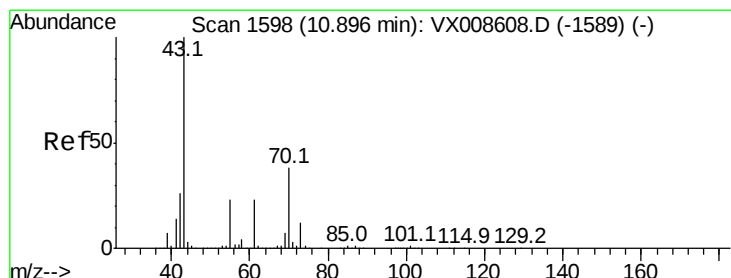
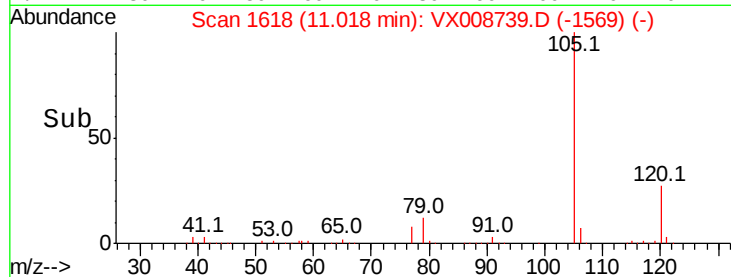
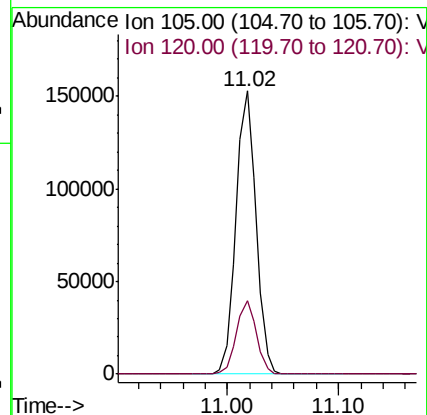
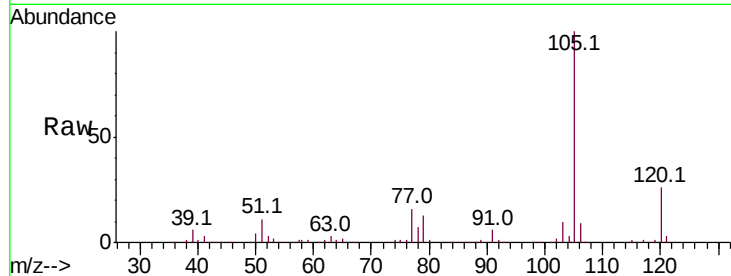
105 100

120 25.9 12.9 38.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.010 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion: 43 Resp: 107708

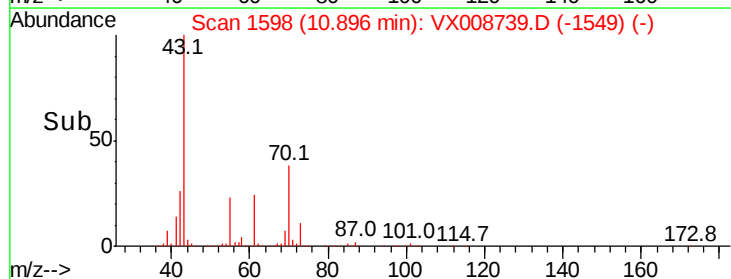
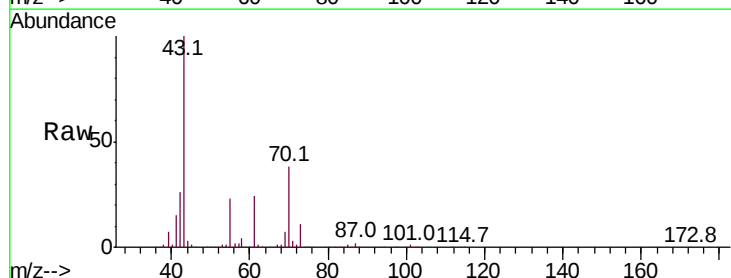
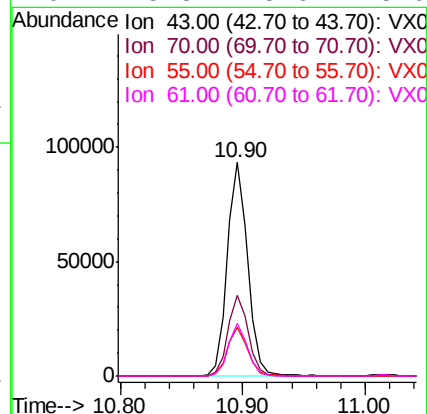
Ion Ratio Lower Upper

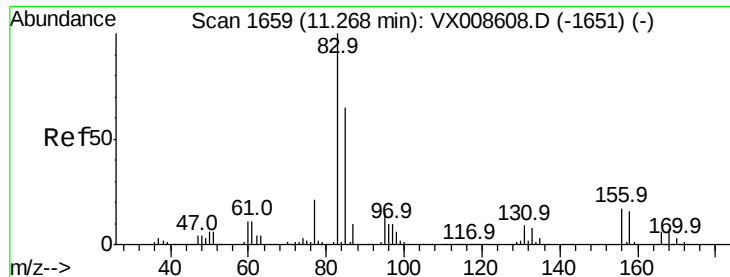
43 100

70 37.6 30.2 45.4

55 22.9 18.2 27.4

61 23.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.133 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

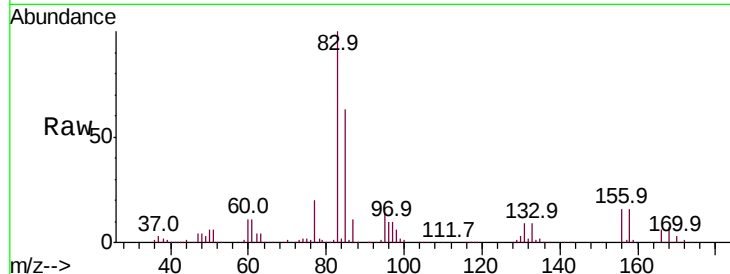
ClientSampleId :

VX0408WBS01

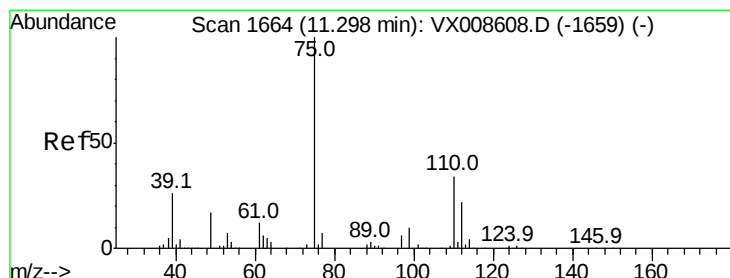
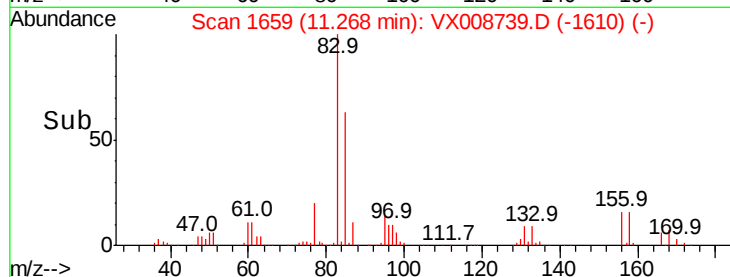
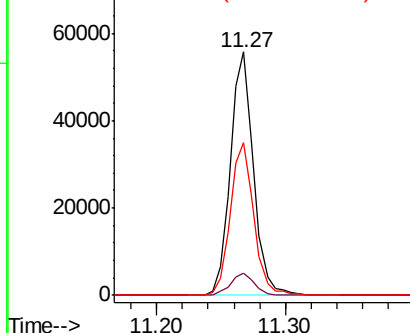
Tot Ion:	83	Resp:	70100
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.7
85	63.9	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.032 ug/l m

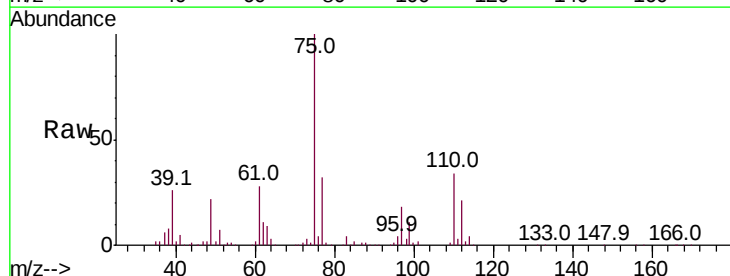
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

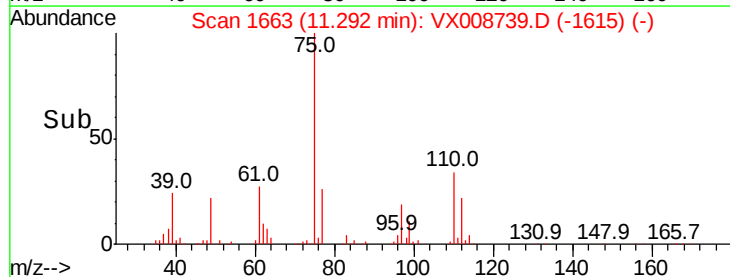
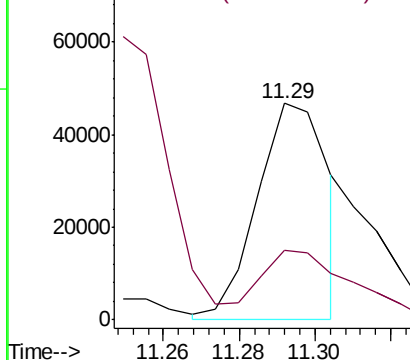
Lab File: VX008739.D

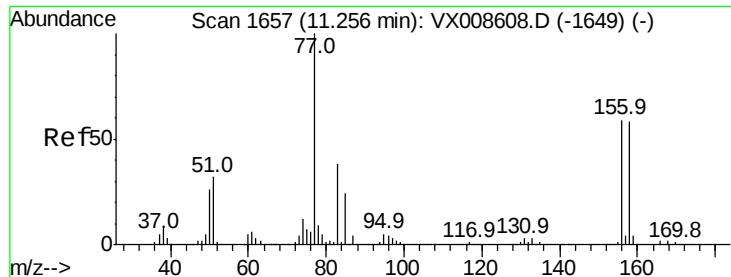
Acq: 08 Apr 2019 12:53

Tgt Ion:	75	Resp:	60761
Ion Ratio	Lower	Upper	
75	100		
77	43.2	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.556 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion:156 Resp: 45345

Ion Ratio Lower Upper

156 100

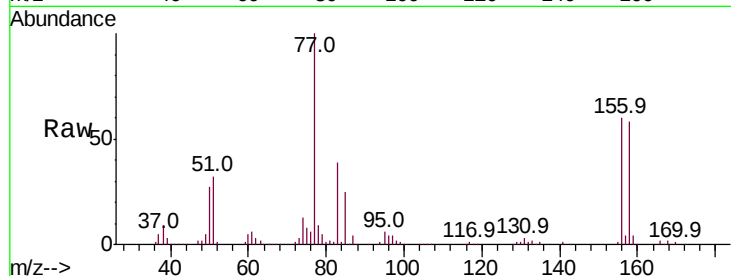
77 176.0 89.8 269.6

158 96.6 48.6 145.9

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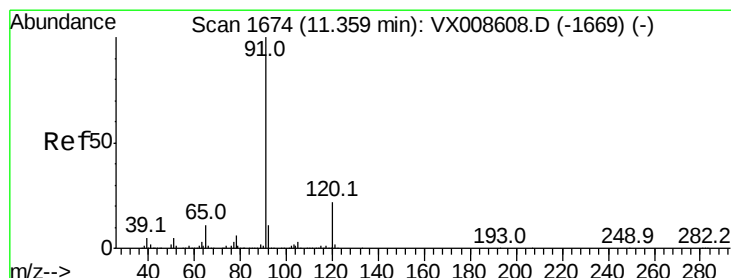
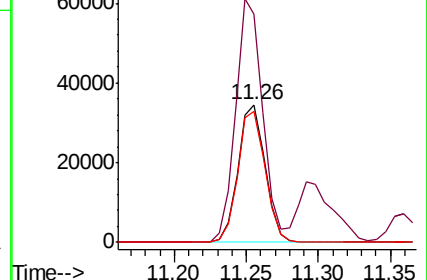
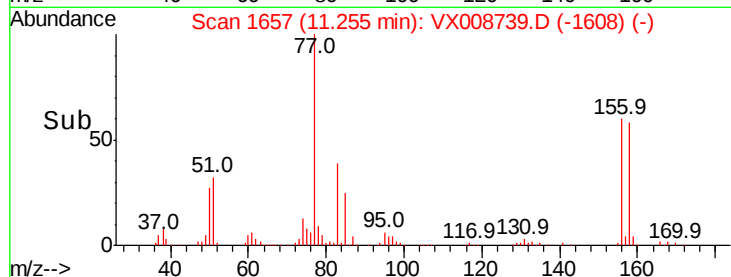
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.543 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008739.D

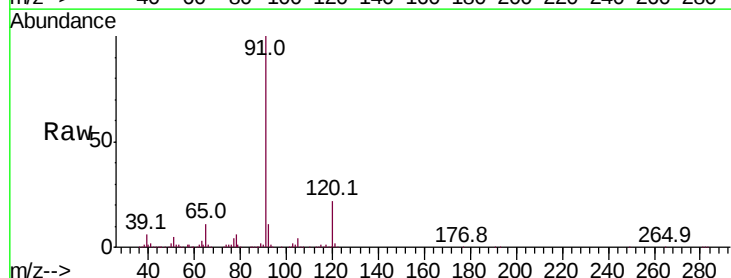
Acq: 08 Apr 2019 12:53

Tgt Ion: 91 Resp: 219473

Ion Ratio Lower Upper

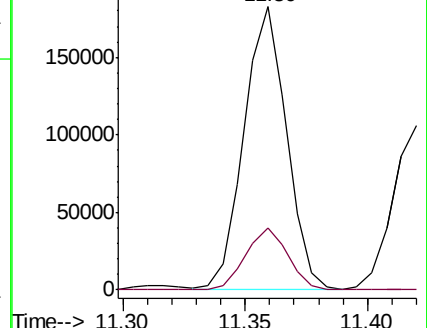
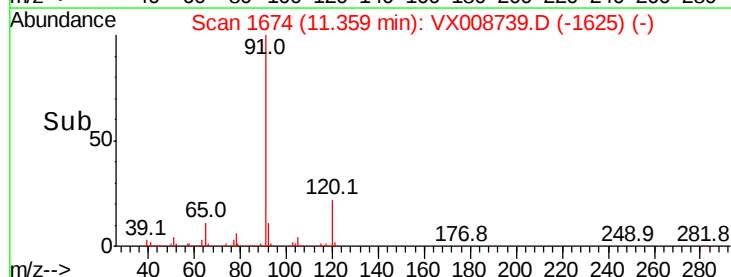
91 100

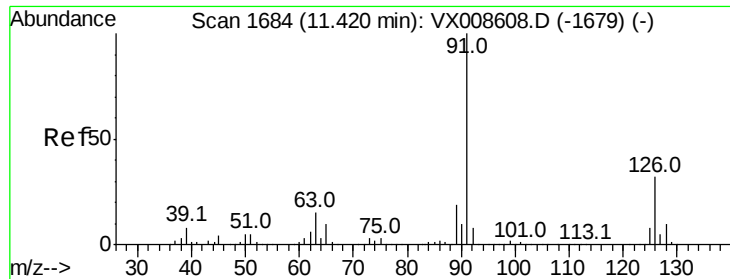
120 22.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.145 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 91 Resp: 129966

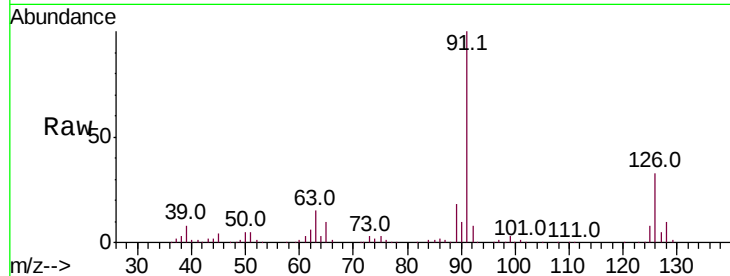
Ion Ratio Lower Upper

91 100

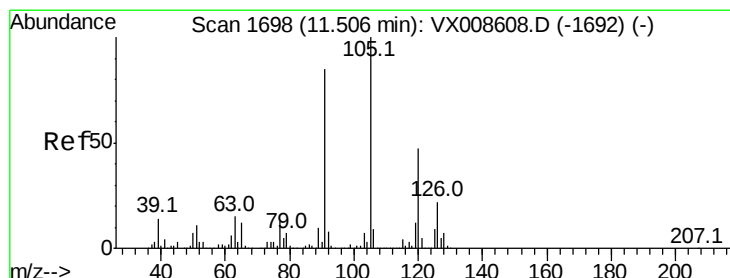
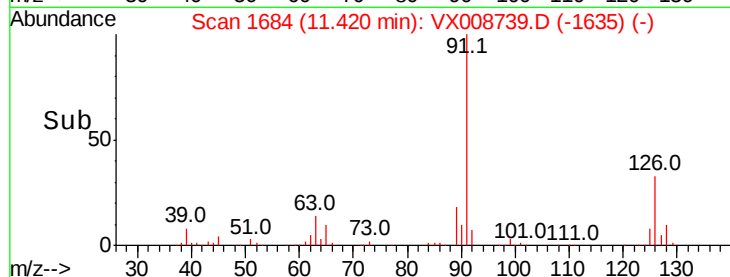
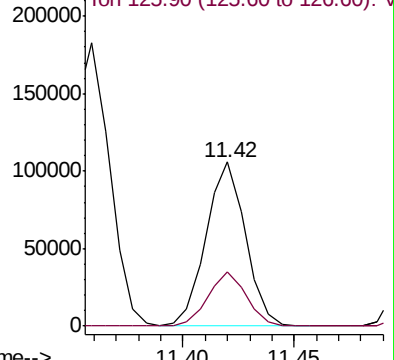
126 32.7 16.1 48.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.894 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008739.D

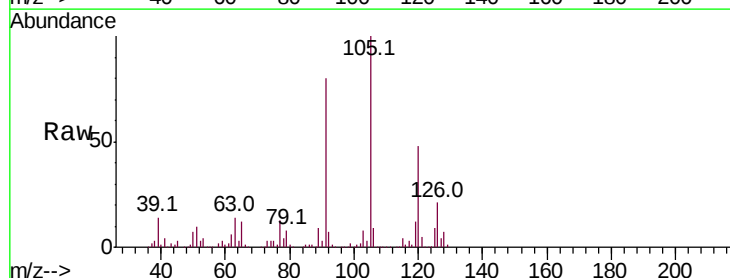
Acq: 08 Apr 2019 12:53

Tgt Ion: 105 Resp: 161215

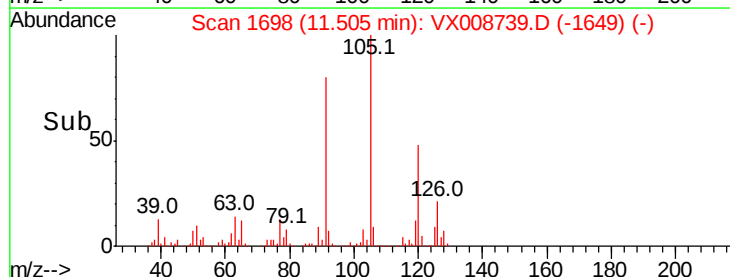
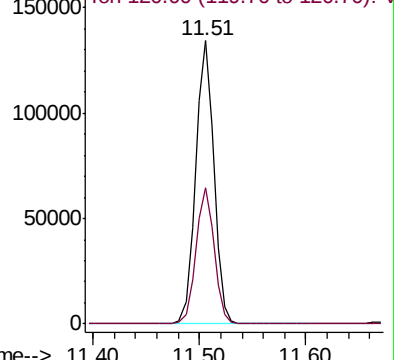
Ion Ratio Lower Upper

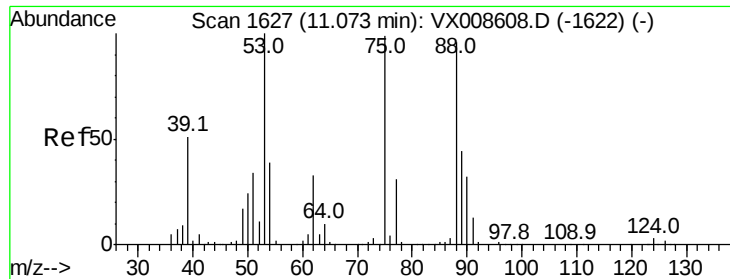
105 100

120 48.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008608.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.234 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion: 75 Resp: 22289

Ion Ratio Lower Upper

75 100

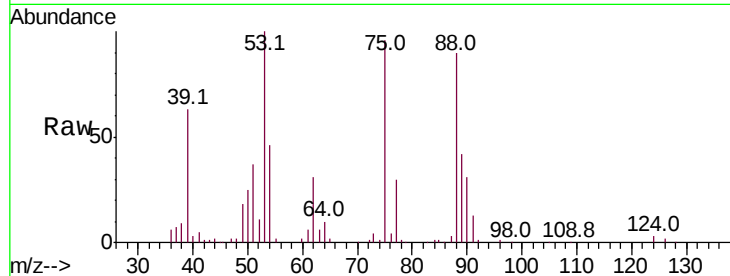
53 107.6 81.3 121.9

89 43.6 35.6 53.4

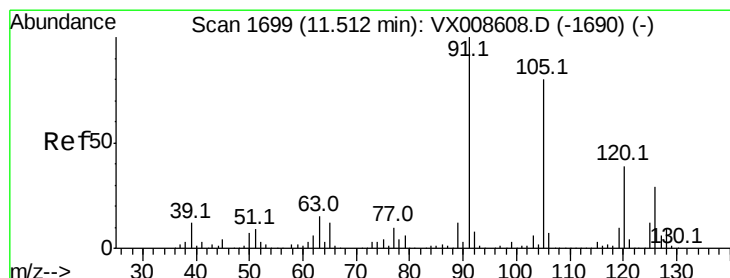
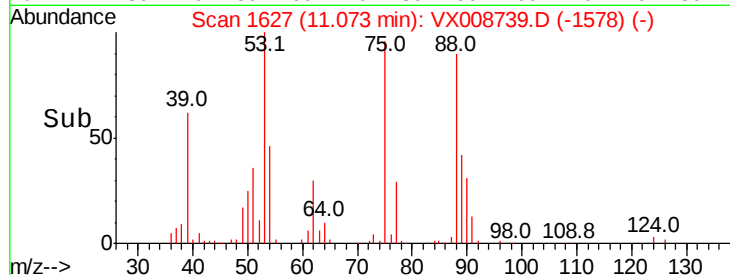
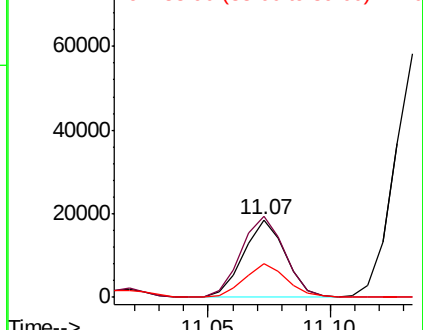
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.030 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008739.D

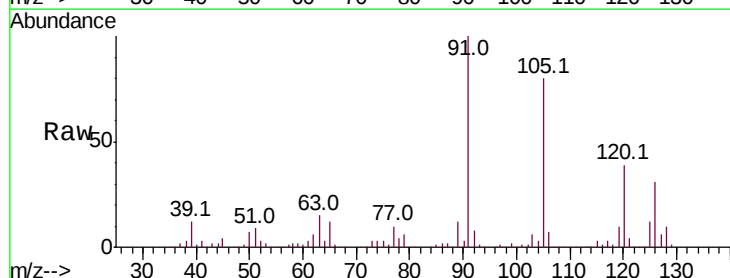
Acq: 08 Apr 2019 12:53

Tgt Ion: 91 Resp: 149487

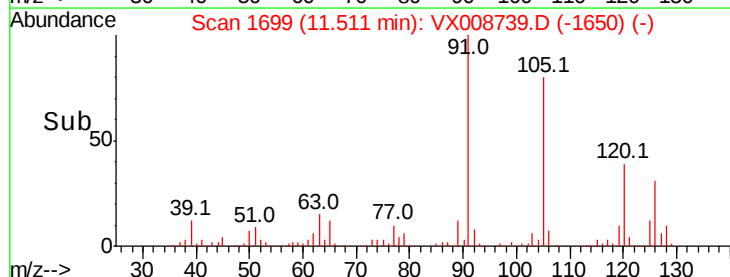
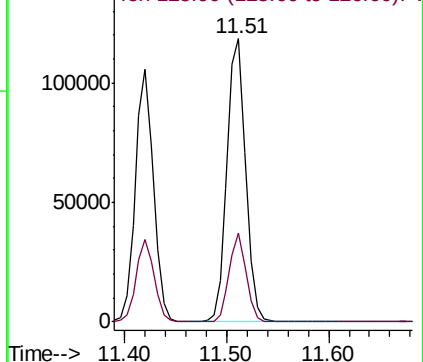
Ion Ratio Lower Upper

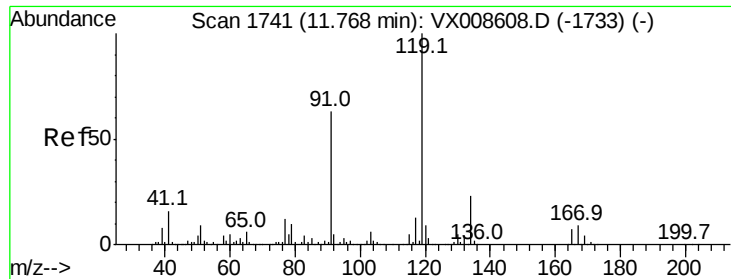
91 100

126 28.6 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





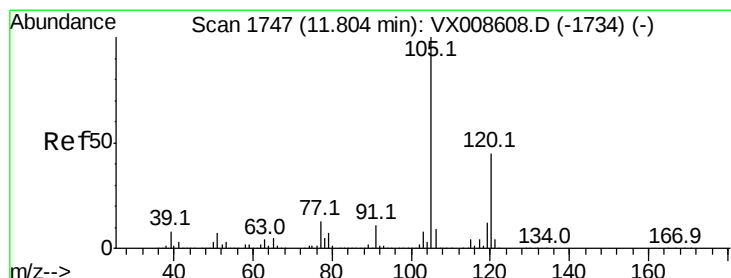
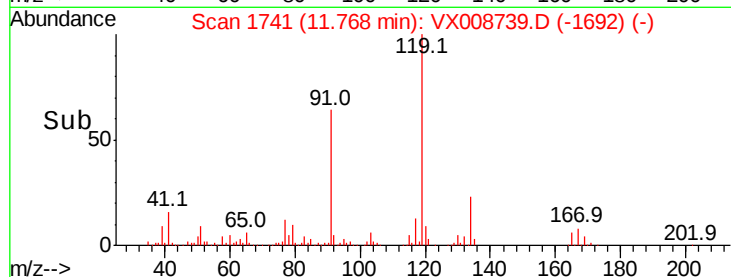
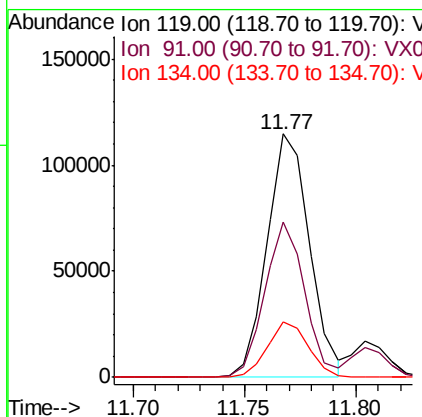
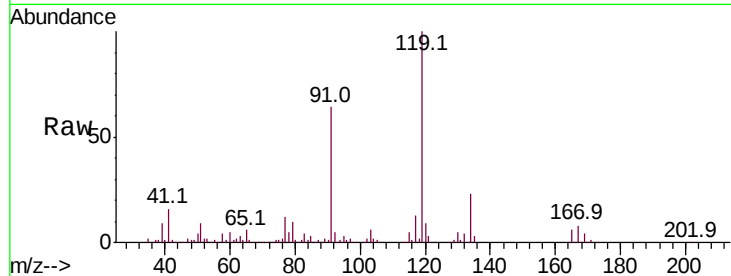
#83
tert-Butylbenzene
Concen: 18.491 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	151794		
91	59.9	30.0	90.1	
134	22.1	11.1	33.3	

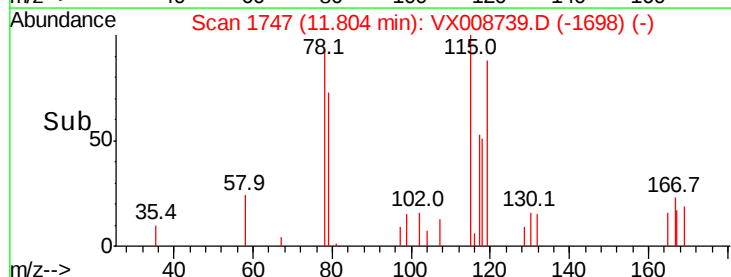
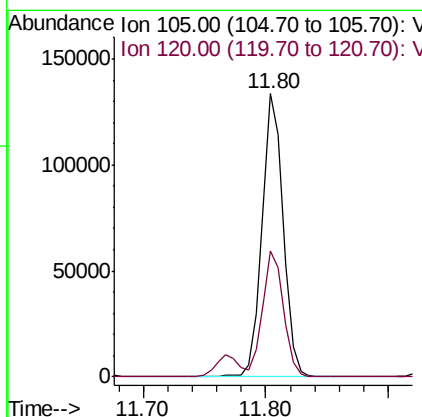
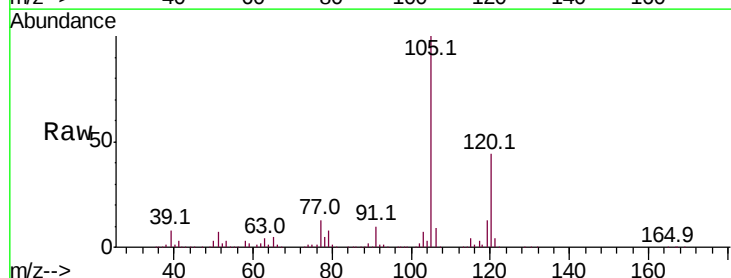
Manual Integrations
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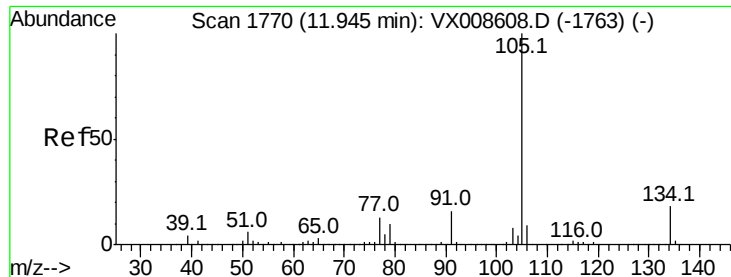
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#84
1,2,4-Trimethylbenzene
Concen: 18.779 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	162251		
120	43.7	21.8	65.3	





#85

sec-Butylbenzene

Concen: 18.868 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBS01

Tot Ion:105 Resp: 183985

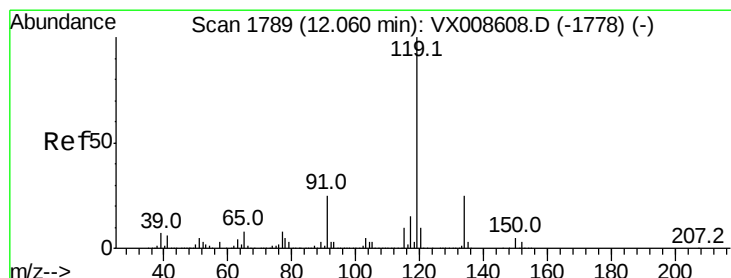
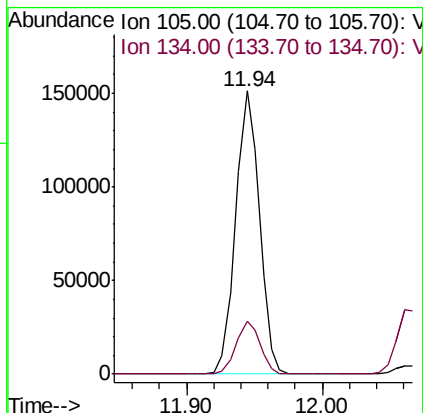
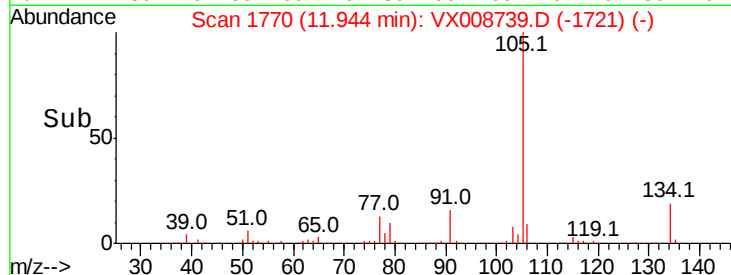
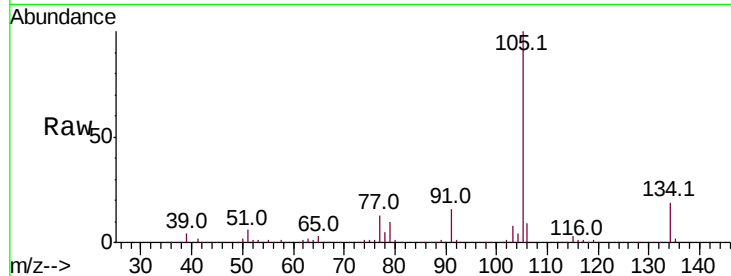
Ion Ratio Lower Upper

105 100

134 18.8 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.916 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

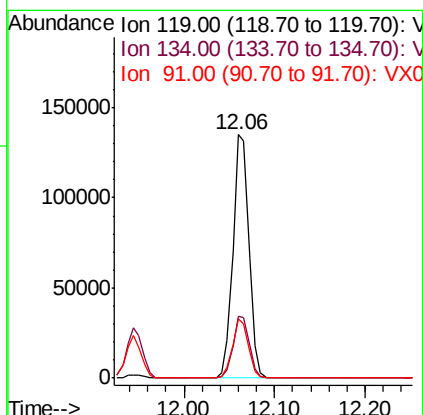
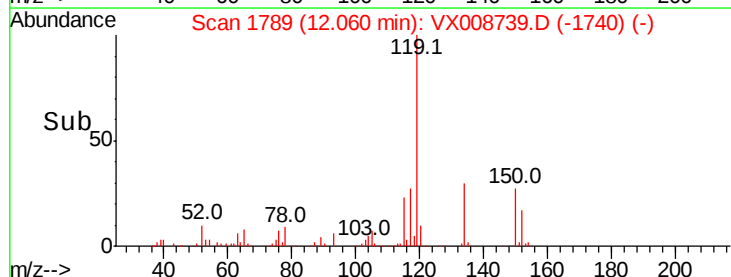
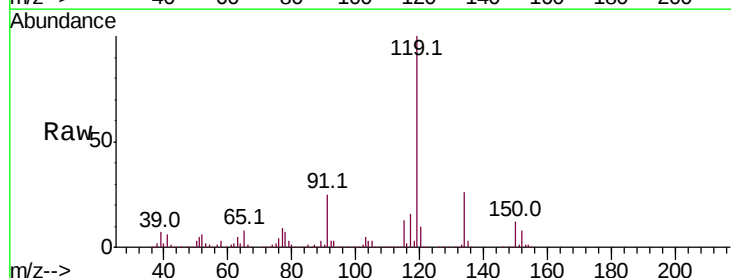
Tgt Ion:119 Resp: 165553

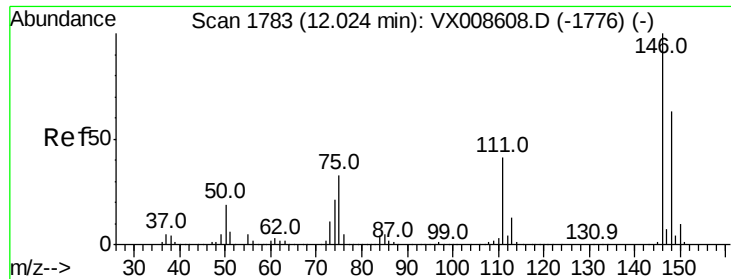
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.1 12.2 36.6





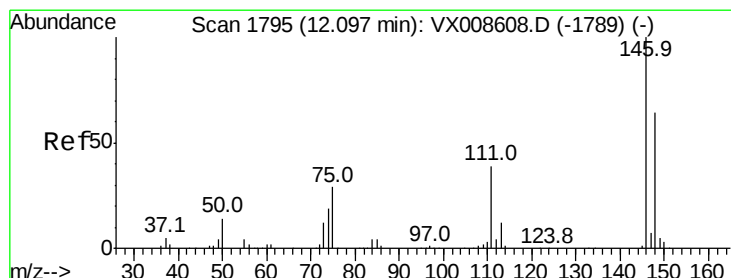
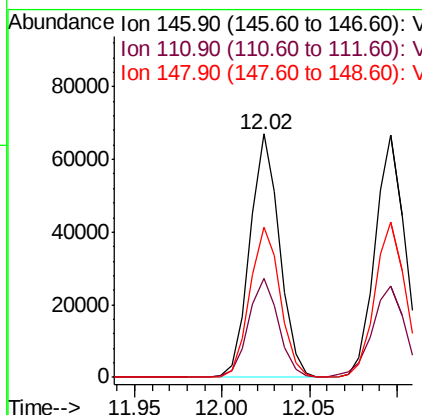
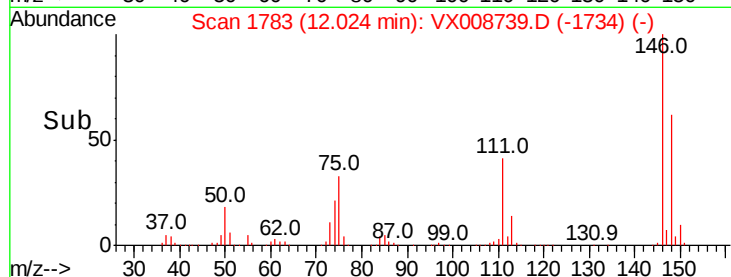
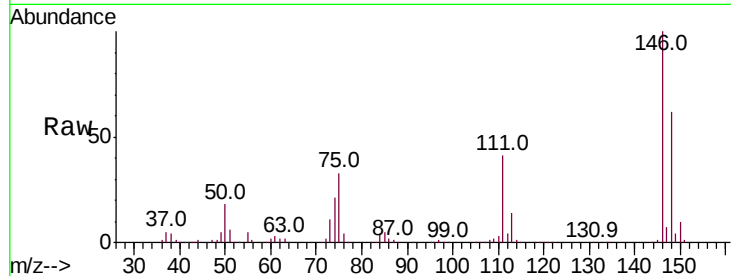
#87
 1,3-Dichlorobenzene
 Concen: 18.029 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	63.3	31.6	94.7

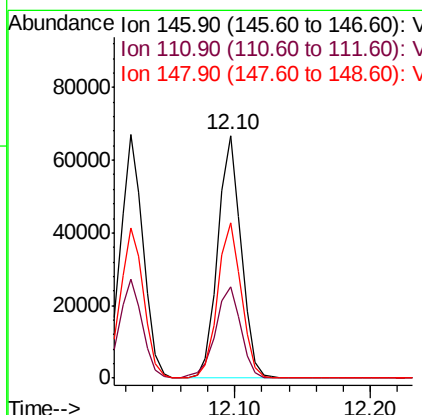
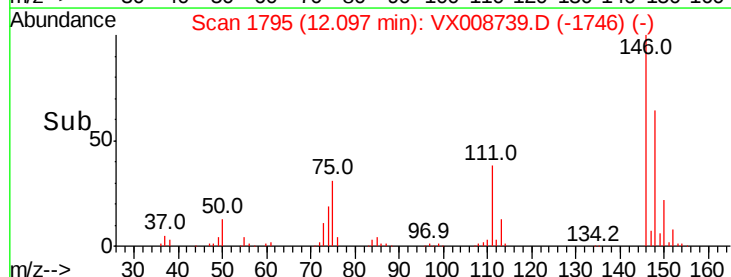
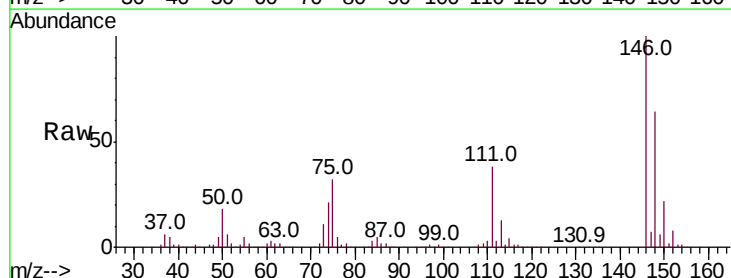
Manual Integrations
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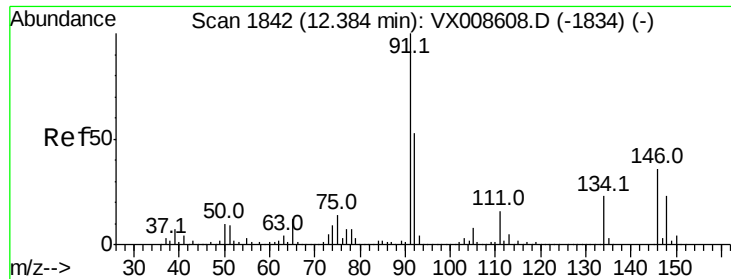
MMDadoda
 4/9/2019 1:48:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.905 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.6
148	65.0	32.0	96.0





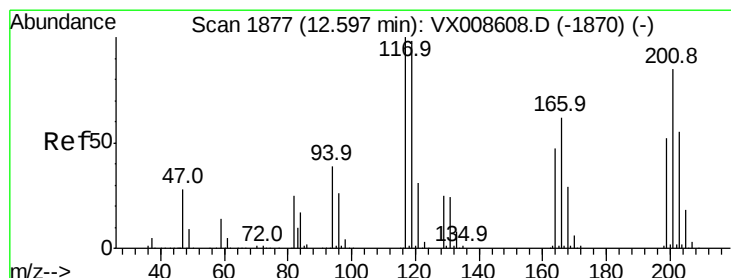
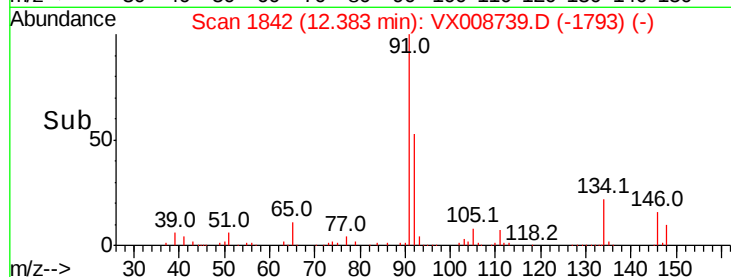
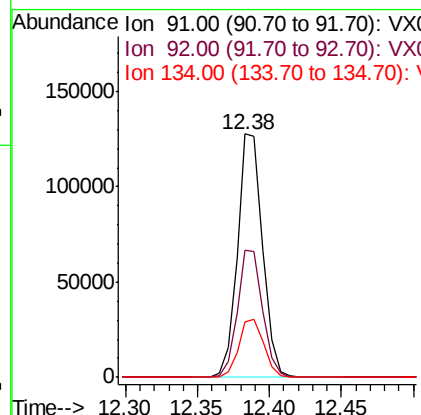
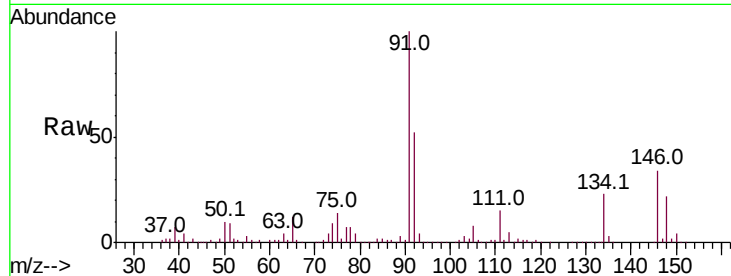
#89
n-Butylbenzene
Concen: 18.992 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.2
134	24.0	12.0	36.0

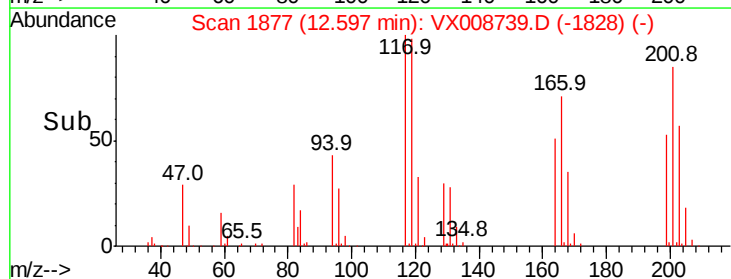
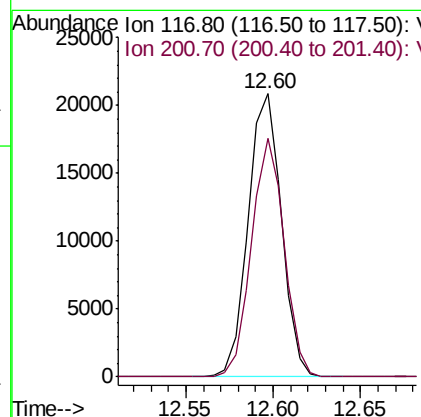
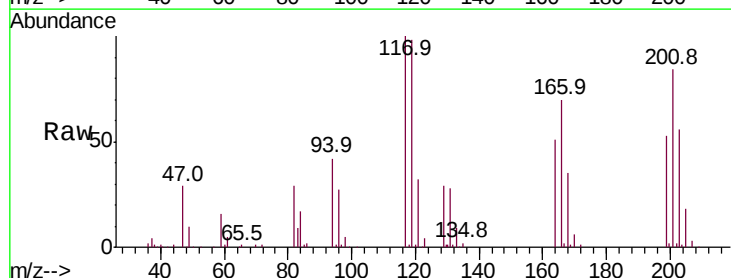
Manual Integrations
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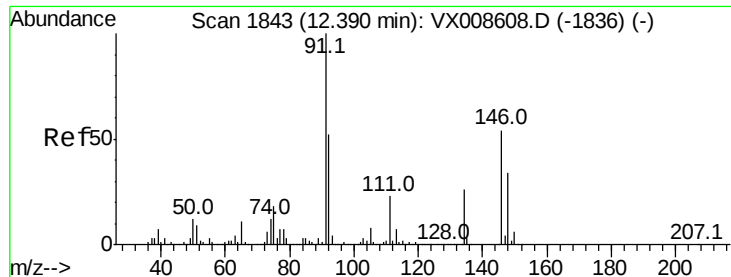
MMDadoda
4/9/2019 1:48:57 PM



#90
Hexachloroethane
Concen: 18.975 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008739.D
Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	40.6	122.0





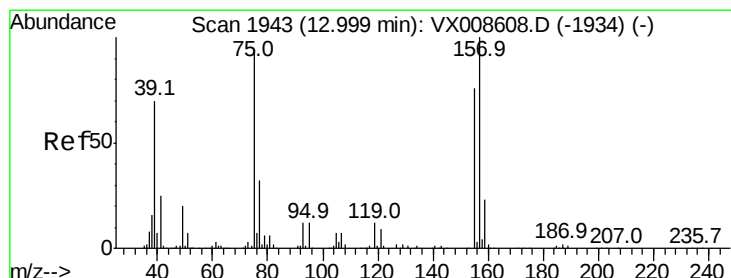
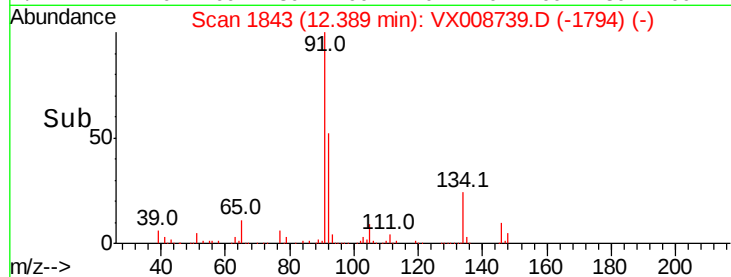
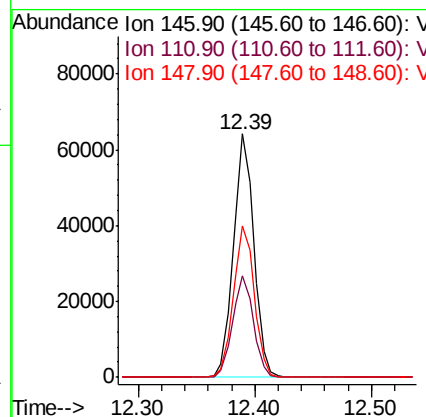
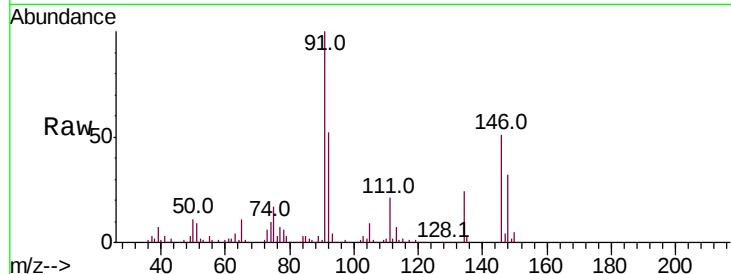
#91
 1,2-Dichlorobenzene
 Concen: 18.021 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.9
148	63.6	31.7	95.1

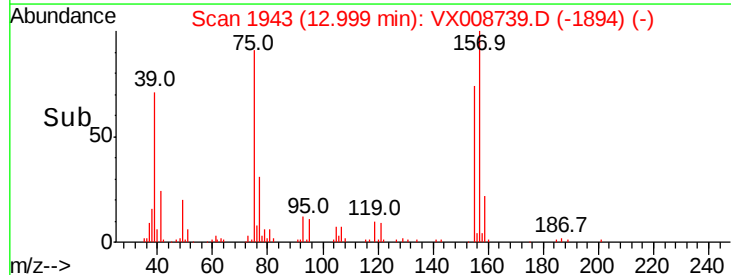
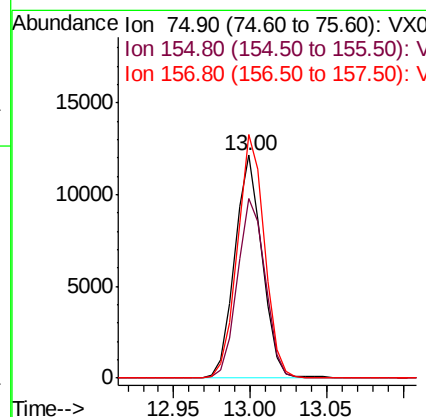
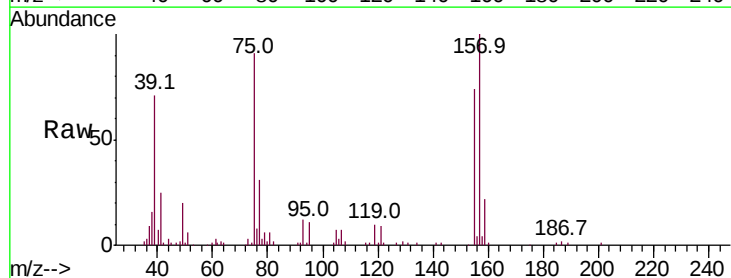
Manual Integrations
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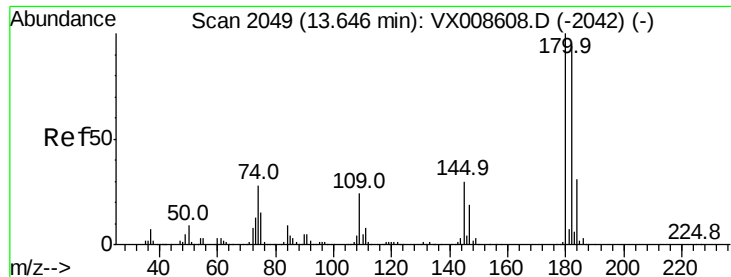
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.609 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	39.9	119.6
157	108.4	51.5	154.7





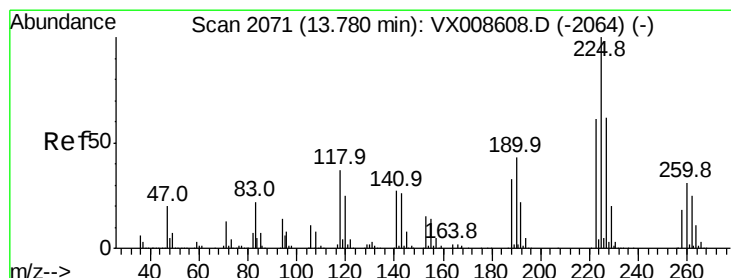
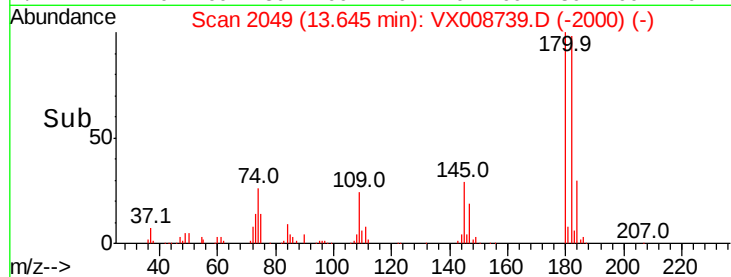
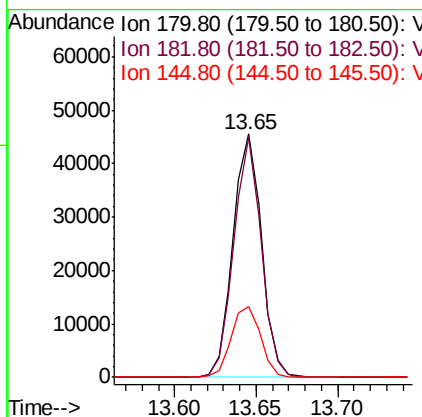
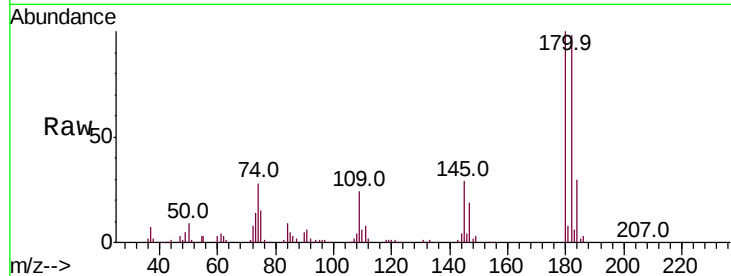
#93
 1,2,4-Trichlorobenzene
 Concen: 18.361 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.2	141.6	
145	30.0	15.3	45.9	

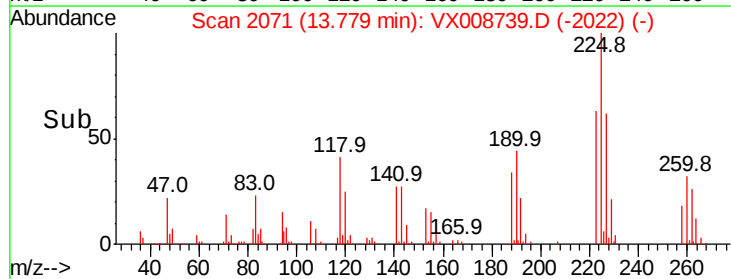
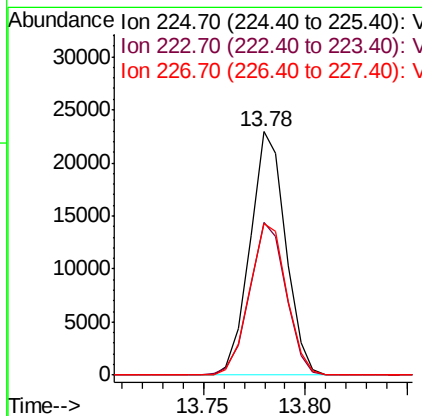
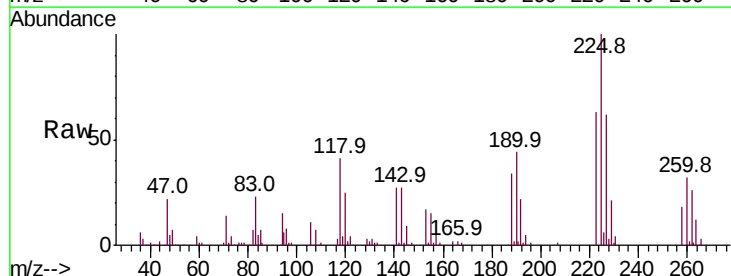
Manual Integrations
 APPROVED

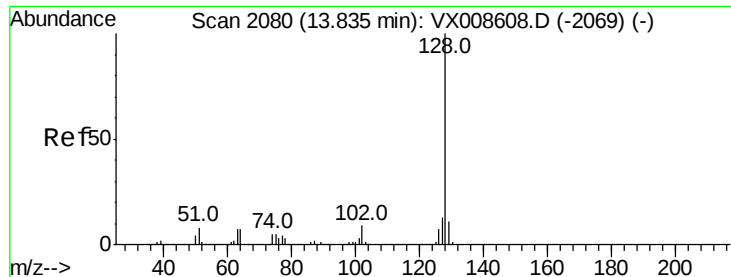
MMDadoda
 4/9/2019 1:48:57 PM



#94
 Hexachlorobutadiene
 Concen: 19.227 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008739.D
 Acq: 08 Apr 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	31.2	93.6	
227	64.7	31.9	95.5	





#95

Naphthalene

Concen: 18.336 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Instrument :

MSVOA_X

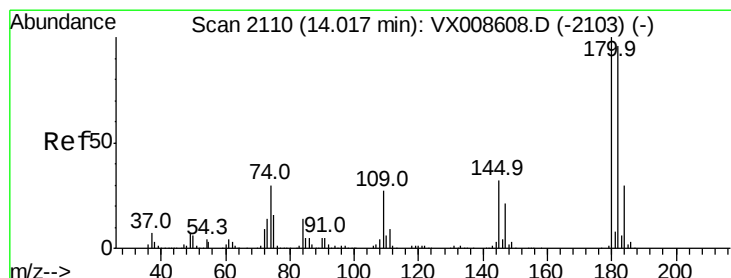
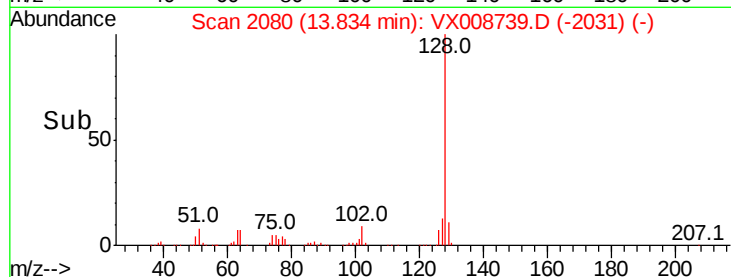
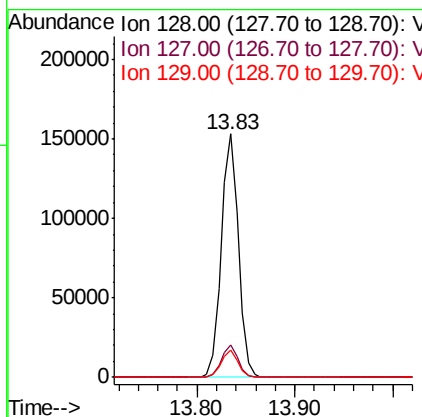
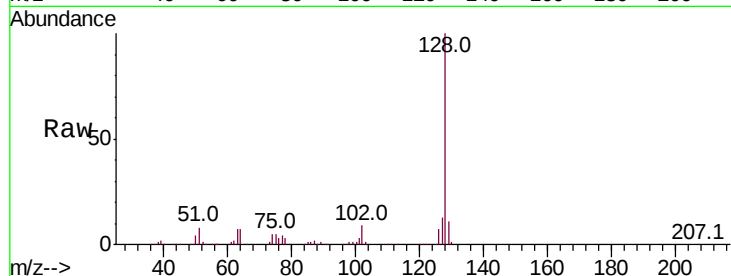
ClientSampleId :

VX0408WBS01

Tot Ion:	128	Resp:	185075
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.369 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008739.D

Acq: 08 Apr 2019 12:53

Tgt Ion:	180	Resp:	55426
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.1	144.3
145	31.0	16.3	48.8

