

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040819\
 Data File : VX008745.D
 Acq On : 08 Apr 2019 15:14
 Operator : JC/SP
 Sample : VX0408MBS01
 Misc : 5.0µl/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/9/2019 1:49:57 PM

Quant Time: Apr 09 07:14:26 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	5.67	168	174786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	297322	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	255885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	123413	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	5.50	113	91500	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	8.71	98	356609	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
62) 4-Bromofluorobenzene	11.13	95	123554	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	30531	15.175	ug/l	99
3) Chloromethane	1.33	50	42333	16.021	ug/l	98
4) Vinyl Chloride	1.41	62	43065	15.834	ug/l	98
5) Bromomethane	1.64	94	21267	17.160	ug/l	99
6) Chloroethane	1.71	64	28454	17.168	ug/l	97
7) Trichlorofluoromethane	1.93	101	51123	17.004	ug/l	100
8) Diethyl Ether	2.19	74	24894	17.460	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30169	15.586	ug/l	97
10) Methyl Iodide	2.51	142	23338	16.182	ug/l	99
11) Tert butyl alcohol	3.06	59	58446	97.926	ug/l	100
12) 1,1-Dichloroethene	2.37	96	32822	16.243	ug/l	95
13) Acrolein	2.29	56	39810	134.519	ug/l	100
14) Allyl chloride	2.73	41	80415	17.384	ug/l	98
15) Acrylonitrile	3.15	53	145763	92.190	ug/l	99
16) Acetone	2.45	43	130279	88.725	ug/l	99
17) Carbon Disulfide	2.57	76	93140	15.451	ug/l	99
18) Methyl Acetate	2.78	43	67015	18.818	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	130633	18.102	ug/l	98
20) Methylene Chloride	2.85	84	40659	16.543	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	37047	16.950	ug/l	94
22) Diisopropyl ether	3.86	45	160866	18.043	ug/l	96
23) Vinyl Acetate	3.82	43	709740	91.506	ug/l	99
24) 1,1-Dichloroethane	3.70	63	78059	17.683	ug/l	97
25) 2-Butanone	4.68	43	218373	94.095	ug/l	99
26) 2,2-Dichloropropane	4.59	77	50113	16.118	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	43700	17.390	ug/l	99
28) Bromochloromethane	5.02	49	41935	20.986	ug/l	99
29) Tetrahydrofuran	5.13	42	145090	94.193	ug/l	99
30) Chloroform	5.21	83	70327	17.837	ug/l	100
31) Cyclohexane	5.58	56	73152	16.608	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	56432	17.712	ug/l	99
36) 1,1-Dichloropropene	5.81	75	52450	16.138	ug/l	99
37) Ethyl Acetate	4.84	43	80320	18.515	ug/l	98
38) Carbon Tetrachloride	5.79	117	46268	17.200	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	62130	15.475	ug/l	98
40) Benzene	6.15	78	165470	17.090	ug/l	99
41) Methacrylonitrile	5.05	41	44857	17.989	ug/l	98
42) 1,2-Dichloroethane	6.20	62	59376	17.106	ug/l	100
43) Isopropyl Acetate	6.45	43	122939	18.091	ug/l	100
44) Trichloroethene	7.21	130	37762	16.746	ug/l	100
45) 1,2-Dichloropropane	7.51	63	47248	17.097	ug/l	99
46) Dibromomethane	7.66	93	26729	16.676	ug/l	99
47) Bromodichloromethane	7.90	83	52506	17.374	ug/l	99
48) Methyl methacrylate	7.77	41	61019	17.751	ug/l	99
49) 1,4-Dioxane	7.74	88	23156	359.589	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	410799	93.905	ug/l	100
52) Toluene	8.79	92	96502	16.906	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57671	17.036	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	65831	17.019	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	41341	18.043	ug/l	99
56) Ethyl methacrylate	9.18	69	73604	17.754	ug/l	98
57) 1,3-Dichloropropane	9.37	76	72758	17.684	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	208467	98.479	ug/l	99
59) 2-Hexanone	9.49	43	313221	92.131	ug/l	99
60) Dibromochloromethane	9.59	129	38225	17.704	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41199	17.272	ug/l	97
64) Tetrachloroethene	9.34	164	33228	17.527	ug/l	98
65) Chlorobenzene	10.14	112	96371	16.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35549	17.865	ug/l	100
67) Ethyl Benzene	10.25	91	177860	16.816	ug/l	100
68) m/p-Xylenes	10.36	106	127568	33.545	ug/l	99
69) o-Xylene	10.70	106	62201	16.877	ug/l	100
70) Styrene	10.71	104	108023	17.004	ug/l	99
71) Bromoform	10.86	173	27194	17.893	ug/l #	98
73) Isopropylbenzene	11.02	105	166966	17.789	ug/l	100
74) N-amyl acetate	10.90	43	100389	18.179	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66756	18.701	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	64919m	20.866	ug/l	
77) Bromobenzene	11.26	156	40089	17.767	ug/l	100
78) n-propylbenzene	11.36	91	186727	17.086	ug/l	100
79) 2-Chlorotoluene	11.42	91	113726	17.196	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	139607	17.720	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20542	18.200	ug/l	95
82) 4-Chlorotoluene	11.51	91	128961	16.846	ug/l	98
83) tert-Butylbenzene	11.77	119	136105	17.956	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	141175	17.696	ug/l	99
85) sec-Butylbenzene	11.94	105	156801	17.415	ug/l	100
86) p-Isopropyltoluene	12.07	119	139131	17.217	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	68148	16.871	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	68074	16.642	ug/l	98
89) n-Butylbenzene	12.39	91	123974	16.358	ug/l	100
90) Hexachloroethane	12.60	117	23539	17.562	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	69442	17.314	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14607	18.602	ug/l	99

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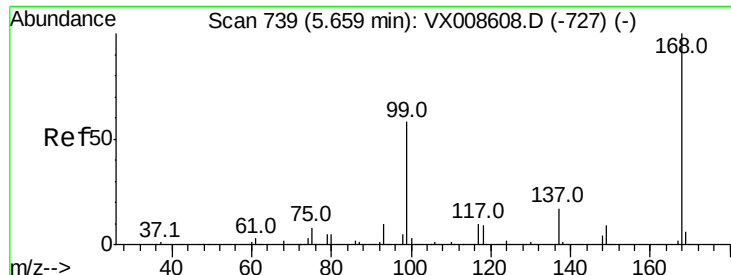
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46402	16.640	ug/l	99
94) Hexachlorobutadiene	13.78	225	22521	16.840	ug/l	99
95) Naphthalene	13.83	128	167965	18.022	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47210	16.944	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion:168 Resp: 174786

Ion Ratio Lower Upper

168 100

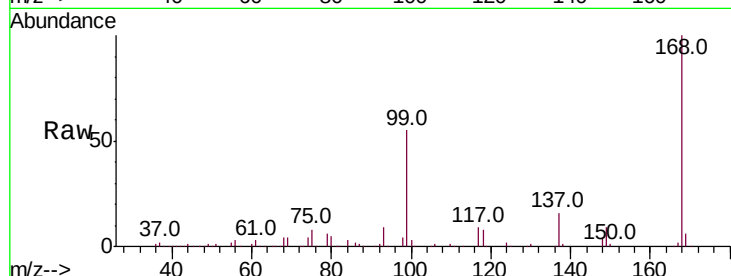
99 55.0 46.7 70.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

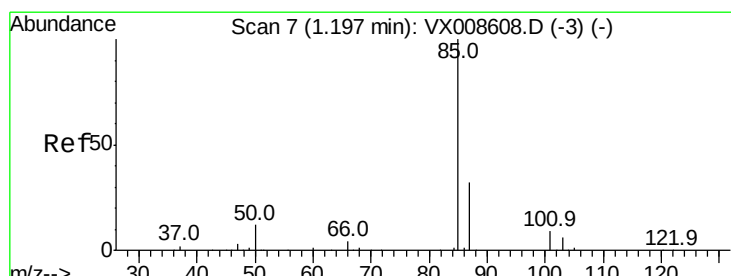
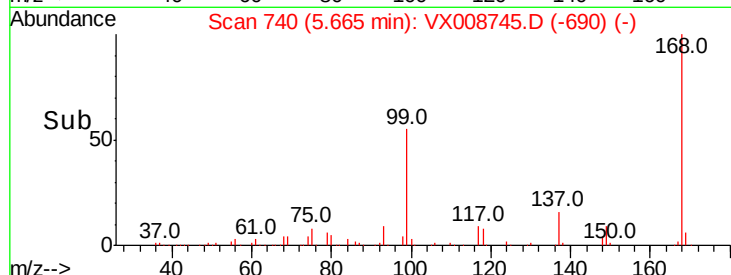
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 15.175 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008745.D

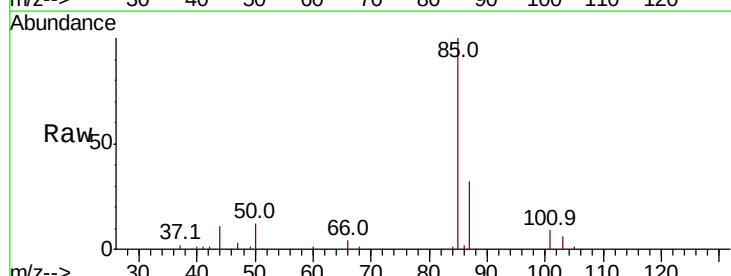
Acq: 08 Apr 2019 15:14

Tgt Ion: 85 Resp: 30531

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

30000

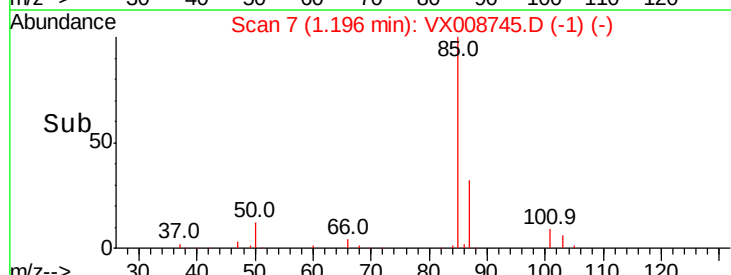
20000

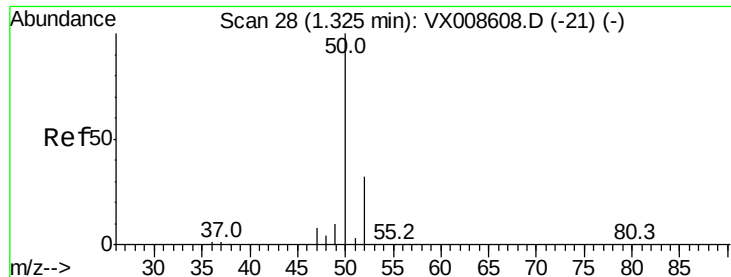
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 16.021 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion: 50 Resp: 42333

Ion Ratio Lower Upper

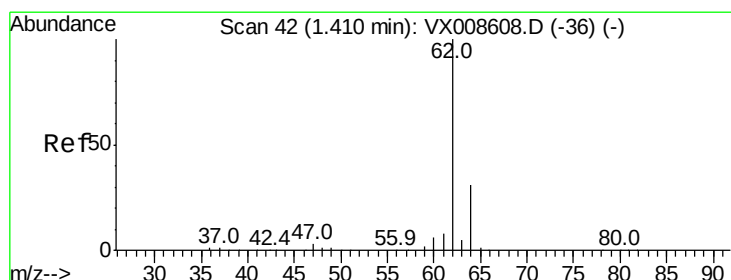
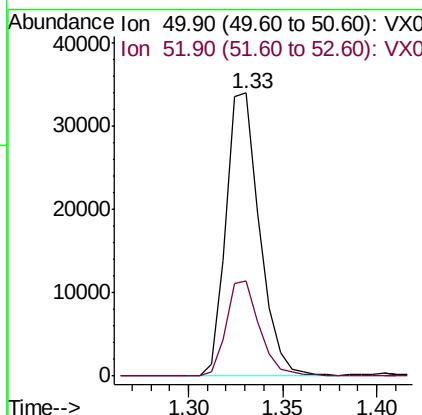
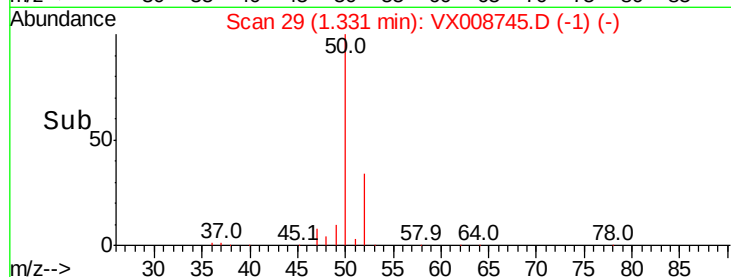
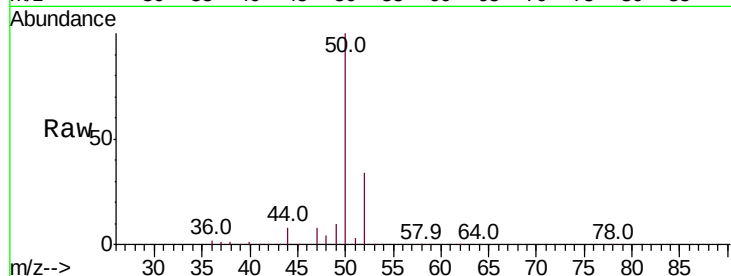
50 100

52 33.5 25.8 38.8

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#4

Vinyl Chloride

Concen: 15.834 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008745.D

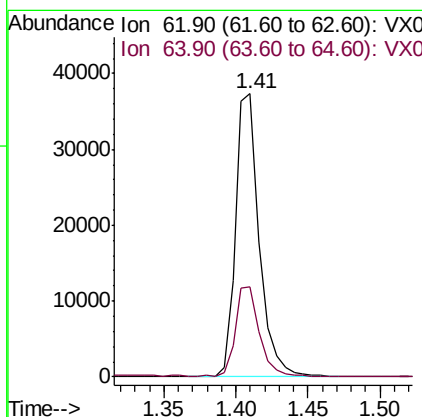
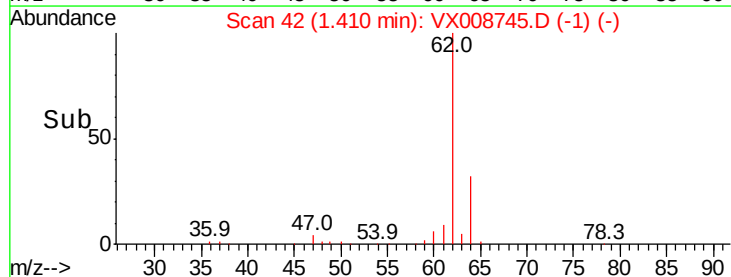
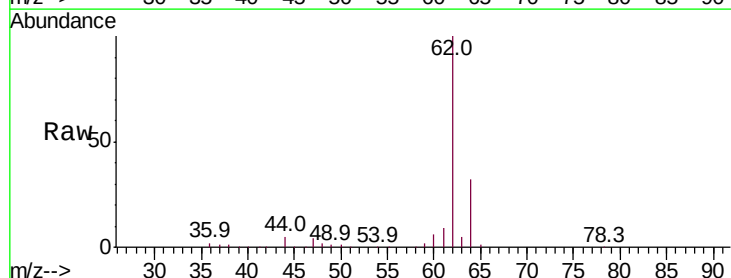
Acq: 08 Apr 2019 15:14

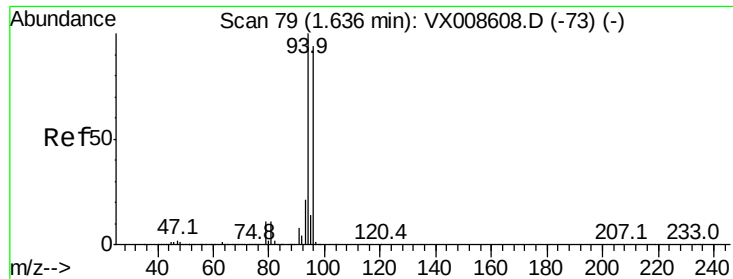
Tgt Ion: 62 Resp: 43065

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 17.160 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampled :

VX0408MBS01

Tot Ion: 94 Resp: 21267

Ion Ratio Lower Upper

94 100

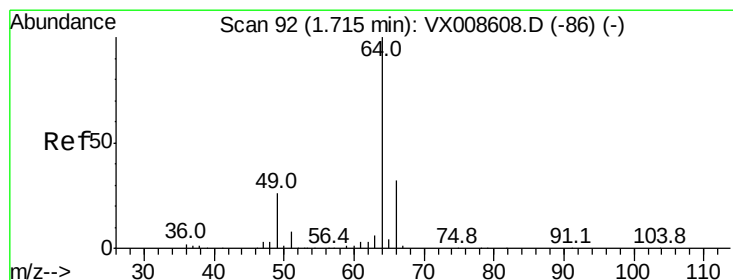
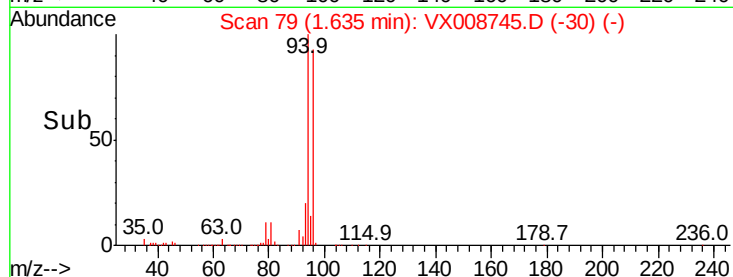
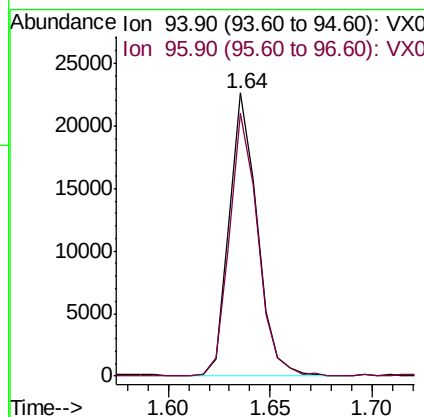
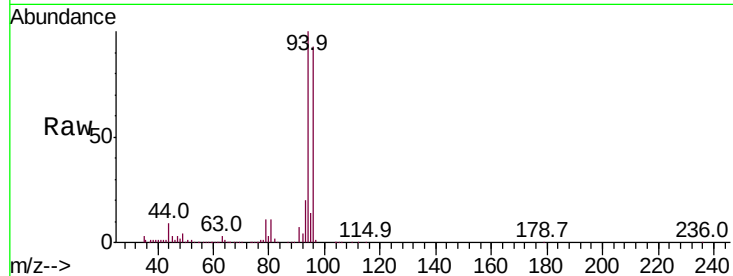
96 93.1 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 17.168 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008745.D

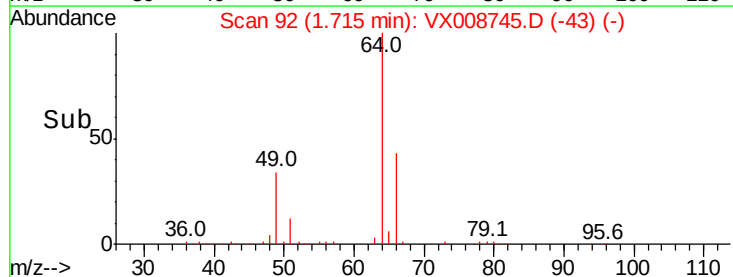
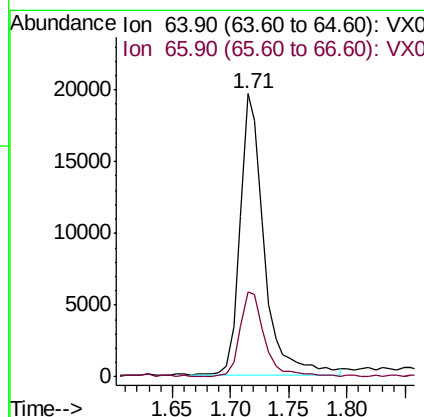
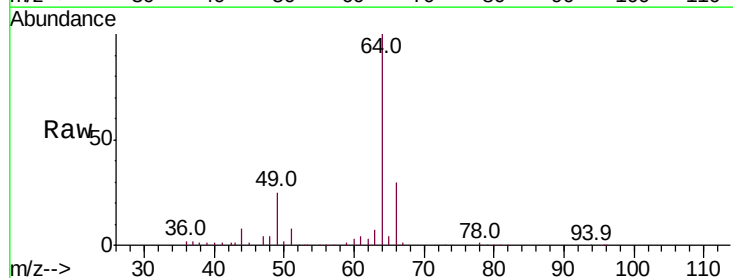
Acq: 08 Apr 2019 15:14

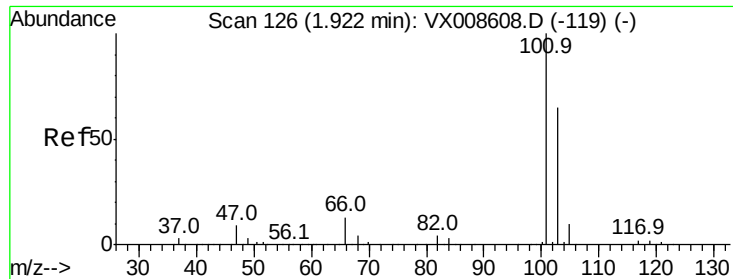
Tgt Ion: 64 Resp: 28454

Ion Ratio Lower Upper

64 100

66 30.1 25.4 38.0





#7

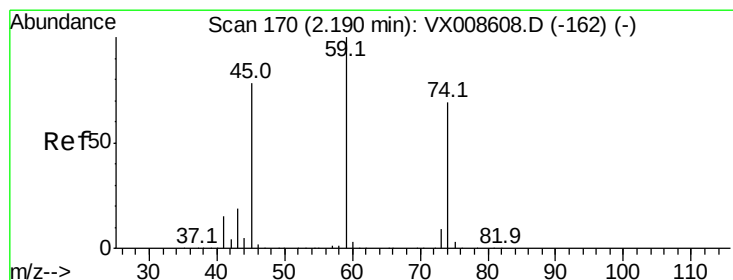
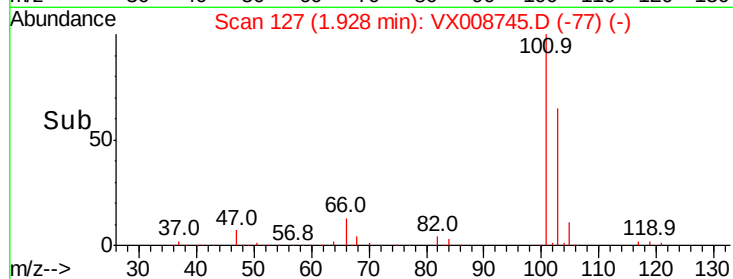
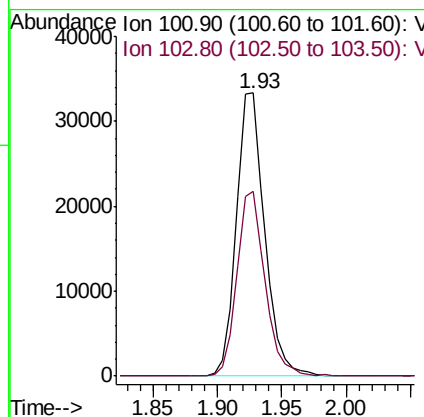
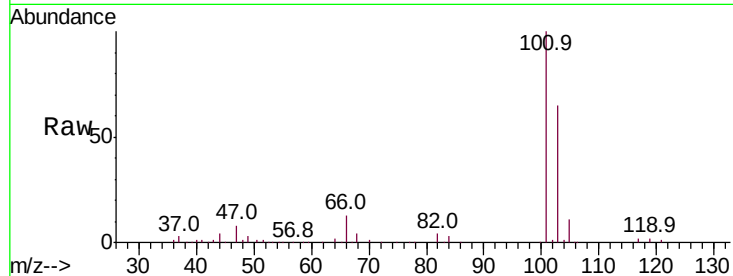
Trichlorofluoromethane
 Concen: 17.004 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion:101 Resp: 51123
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.3 78.5

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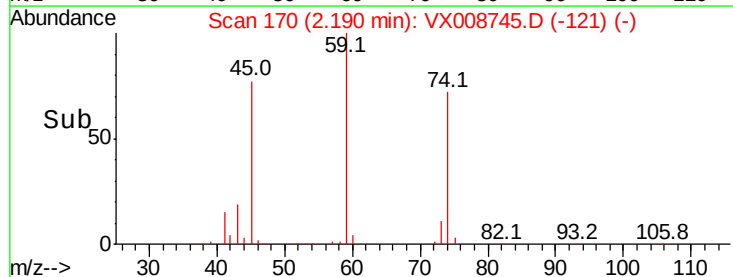
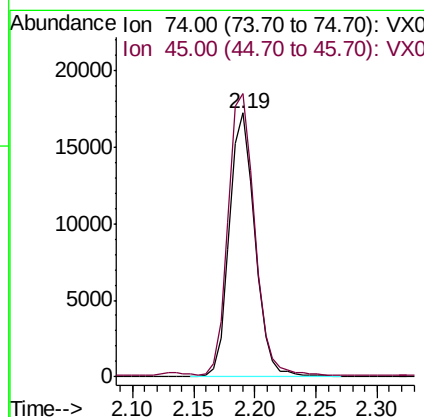
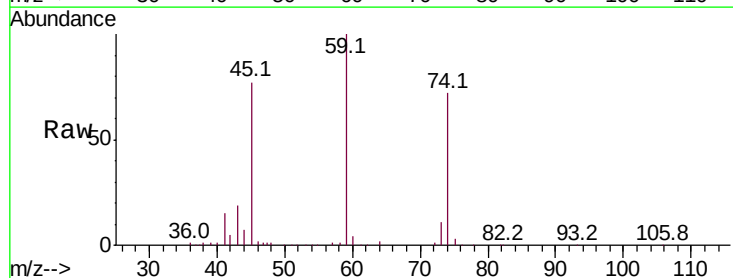
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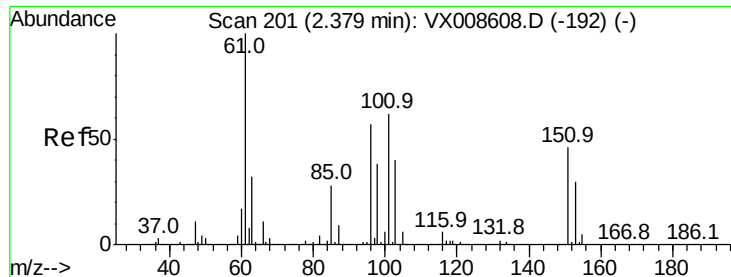


#8

Diethyl Ether
 Concen: 17.460 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion: 74 Resp: 24894
 Ion Ratio Lower Upper
 74 100
 45 110.7 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.586 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

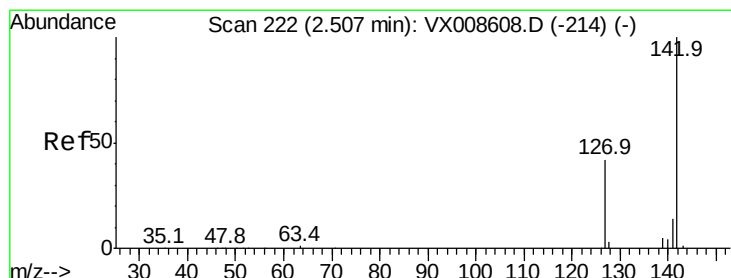
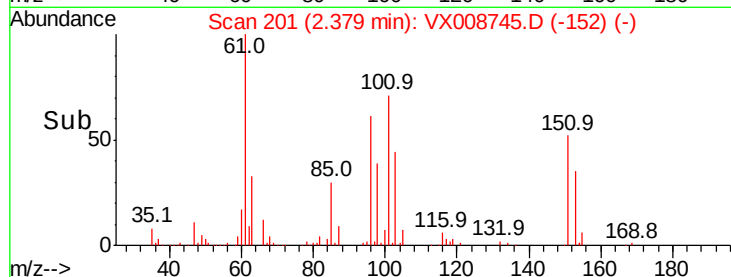
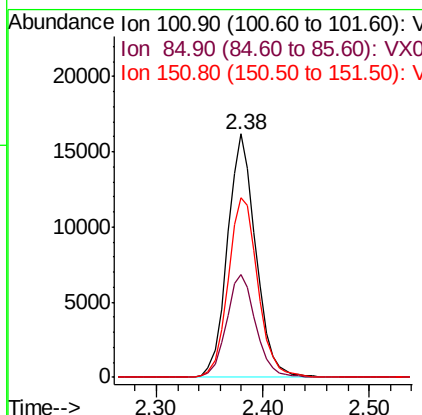
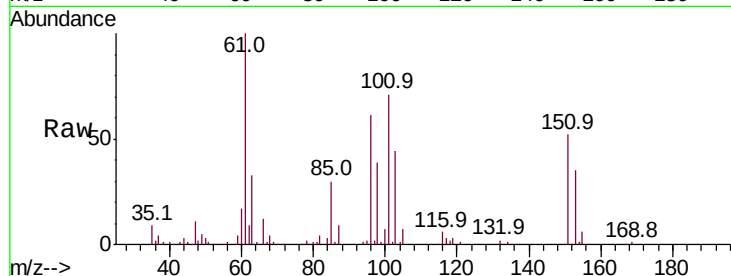
ClientSampleId :

VX0408MBS01

Tot Ion:	101	Resp:	30169
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.0	54.0
151	77.2	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 16.182 ug/l

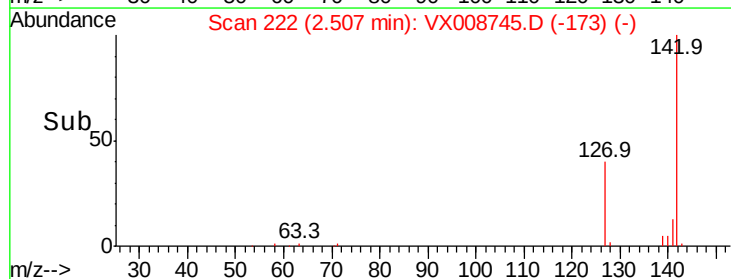
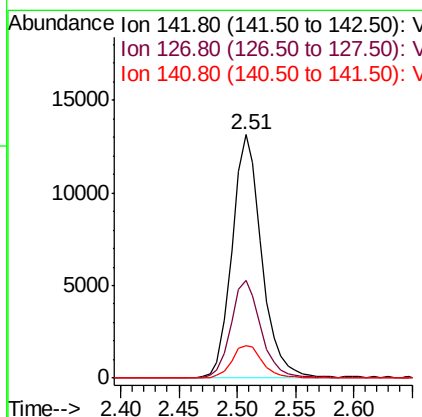
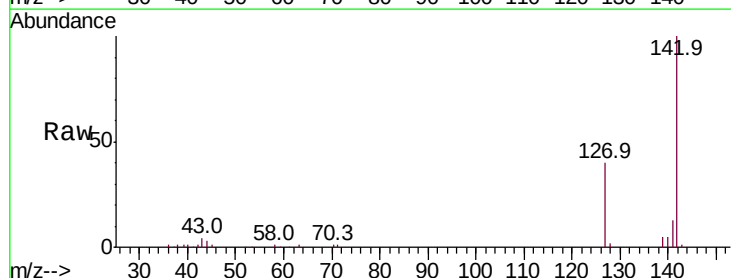
RT: 2.51 min Scan# 222

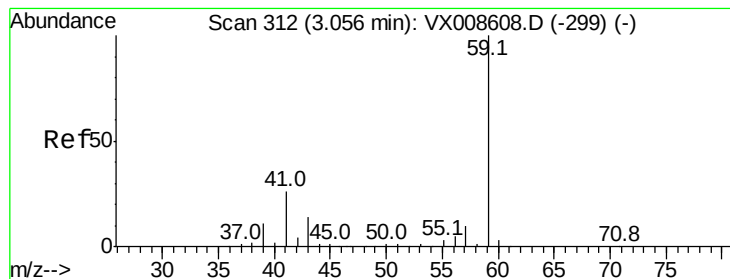
Delta R.T. 0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Tgt Ion:	142	Resp:	23338
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.0	49.6
141	13.9	11.4	17.2





#11

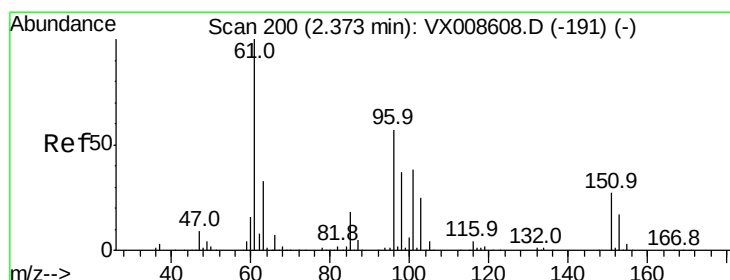
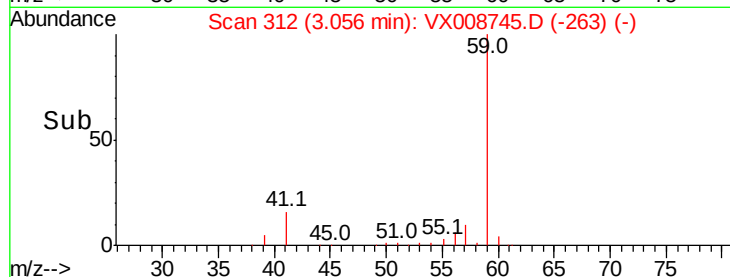
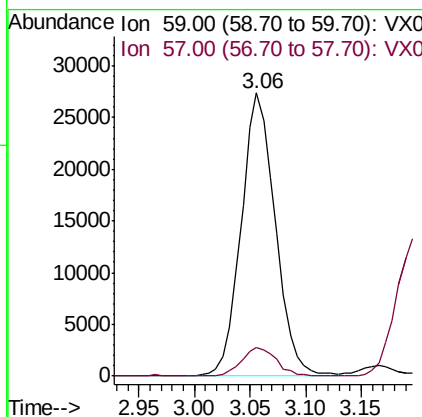
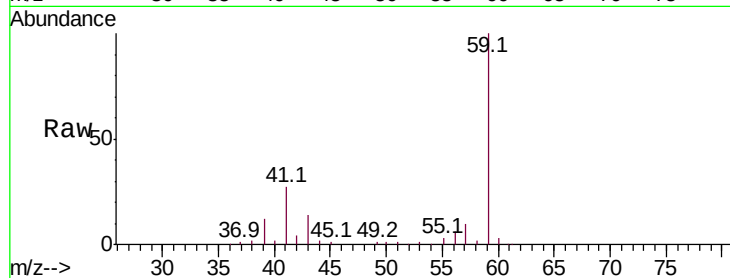
Tert butyl alcohol
 Concen: 97.926 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
 APPROVED

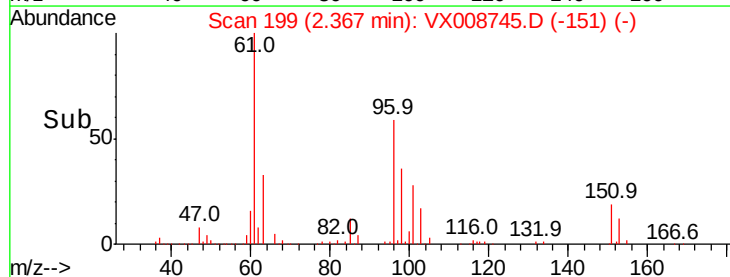
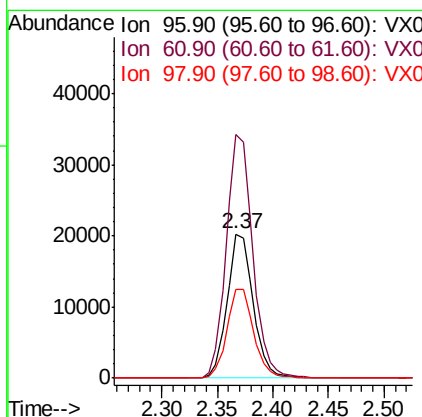
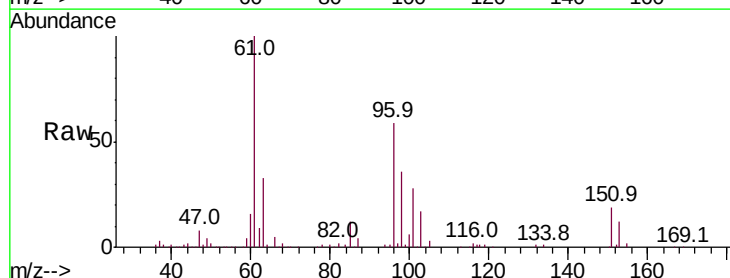
MMDadoda
 4/9/2019 1:49:57 PM

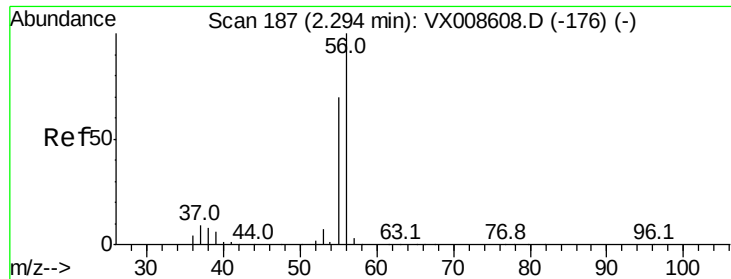


#12

1,1-Dichloroethene
 Concen: 16.243 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	140.9	211.3
98	61.3	52.1	78.1





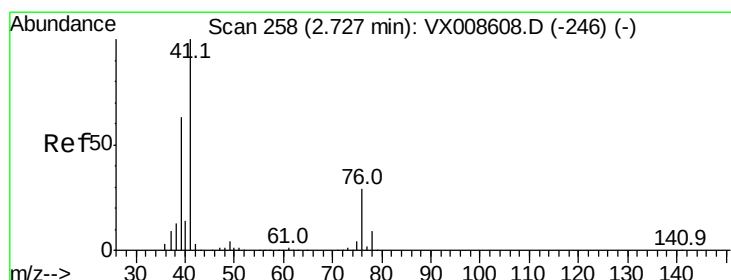
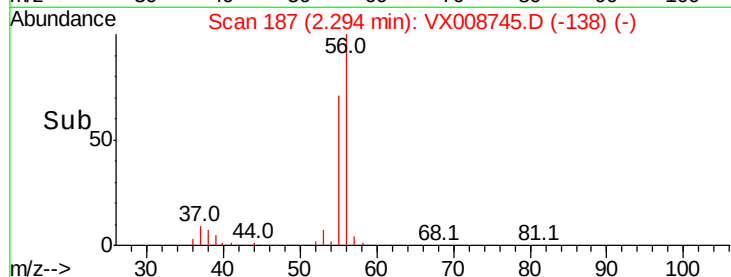
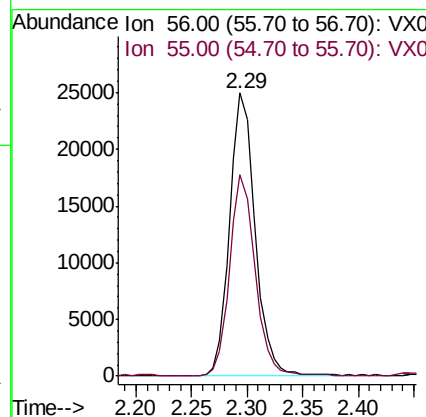
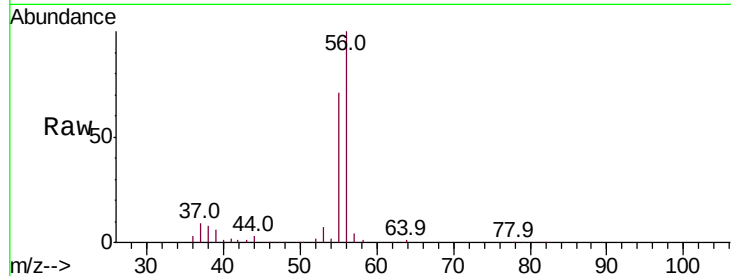
#13
Acrolein
Concen: 134.519 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion	56	Resp	39810
Ion Ratio	100	Lower	Upper
55	72.1	58.0	87.0

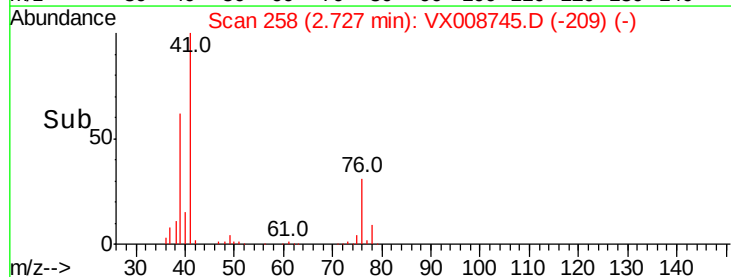
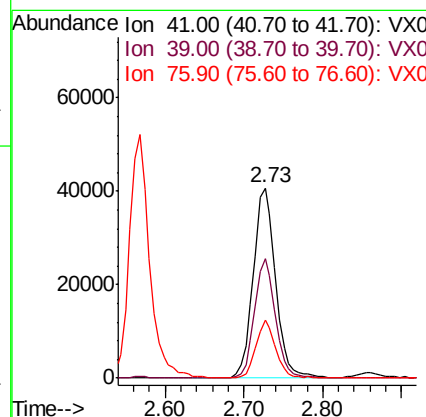
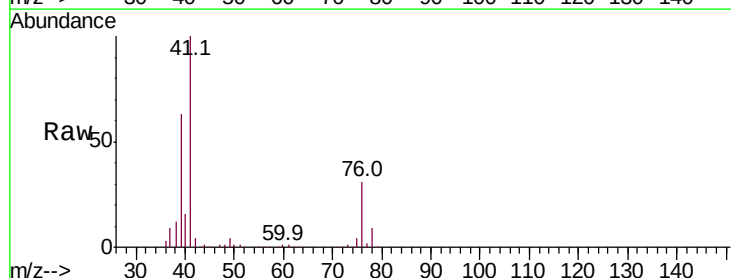
Manual Integrations
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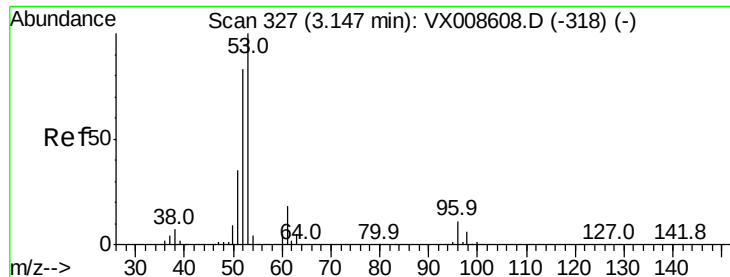
MMDadoda
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#14
Allyl chloride
Concen: 17.384 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	41	Resp	80415
Ion Ratio	100	Lower	Upper
39	58.3	48.0	72.0
76	27.0	22.0	33.0





#15

Acrylonitrile

Concen: 92.190 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

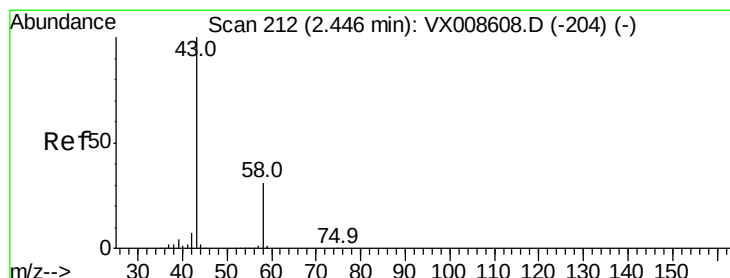
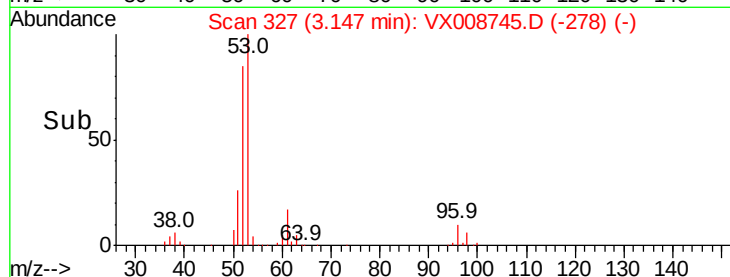
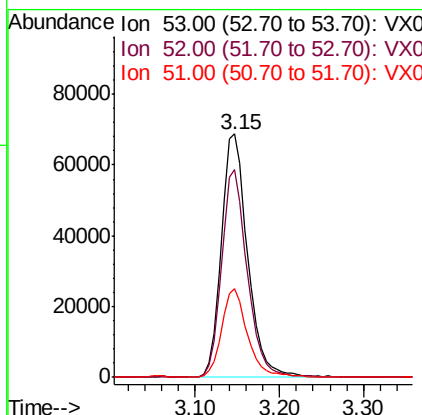
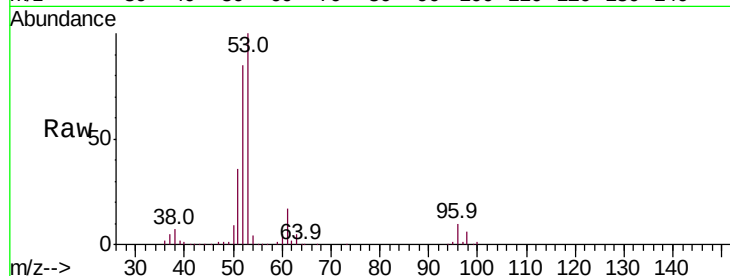
ClientSampleId :

VX0408MBS01

Tot Ion	53	Resp	145763
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.5	99.7
51	36.1	28.6	42.8

Manual Integrations
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4/9/2019 1:49:57 PM



#16

Acetone

Concen: 88.725 ug/l

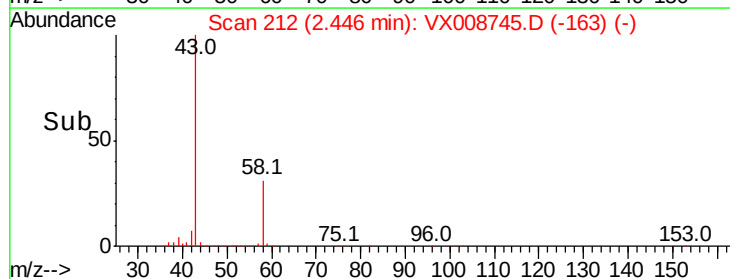
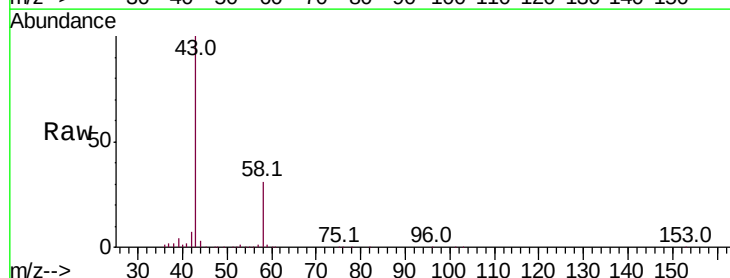
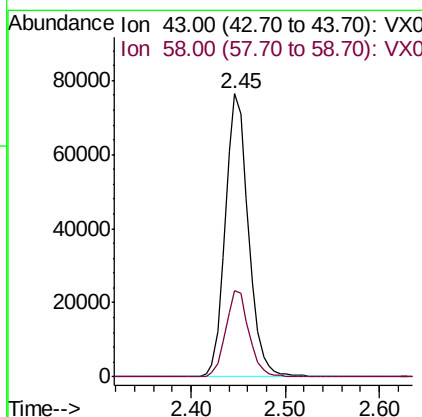
RT: 2.45 min Scan# 212

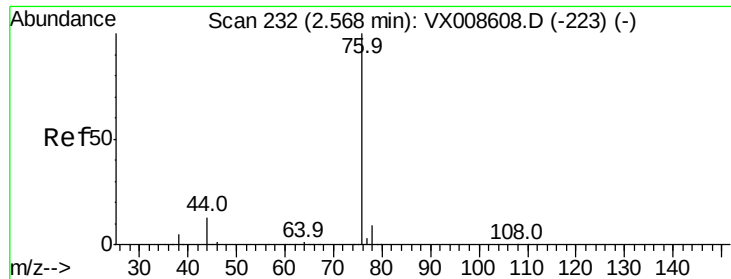
Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Tgt Ion	43	Resp	130279
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.8	37.2





#17

Carbon Disulfide

Concen: 15.451 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion: 76 Resp: 93140

Ion Ratio Lower Upper

76 100

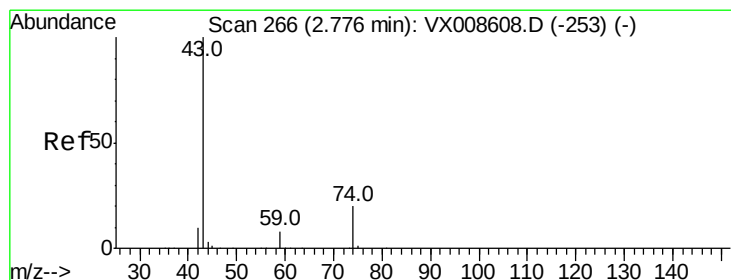
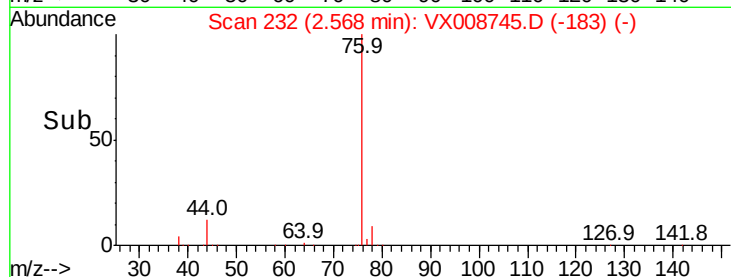
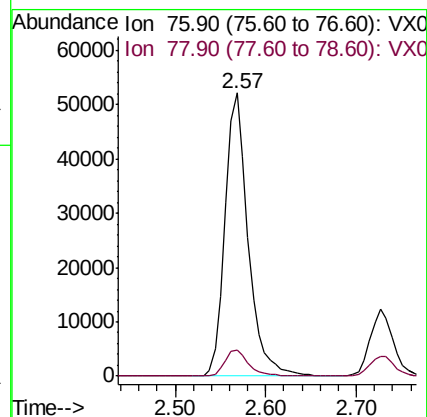
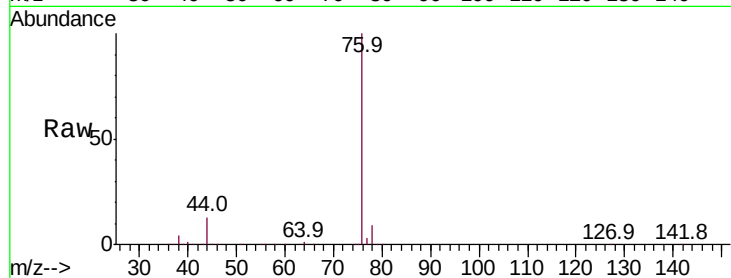
78 9.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 18.818 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008745.D

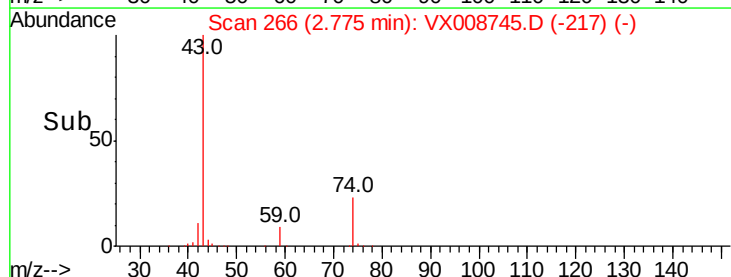
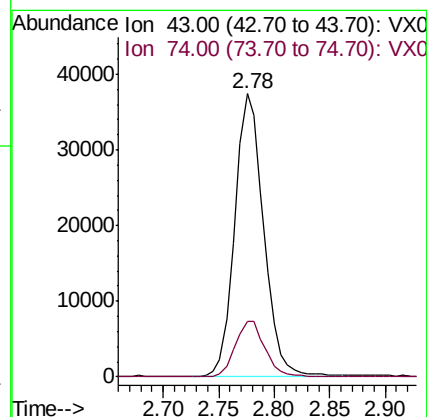
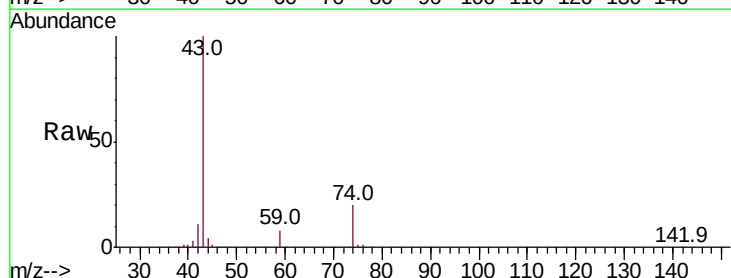
Acq: 08 Apr 2019 15:14

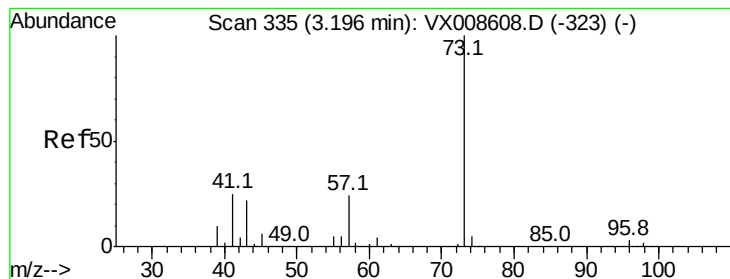
Tgt Ion: 43 Resp: 67015

Ion Ratio Lower Upper

43 100

74 20.9 16.5 24.7





#19

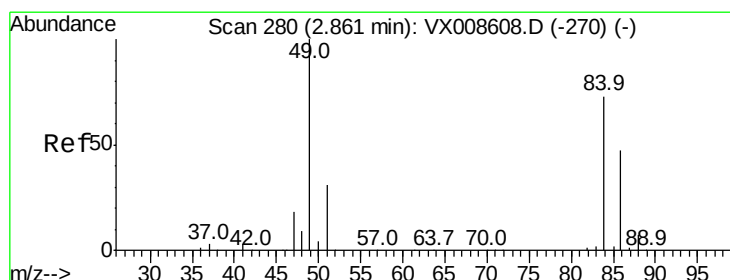
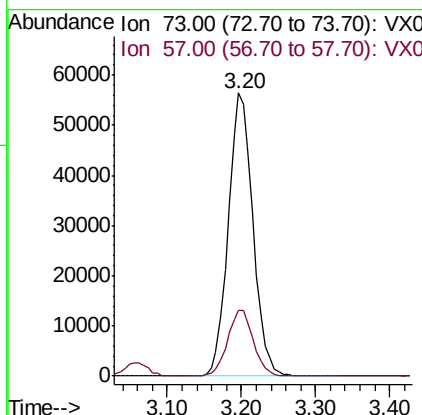
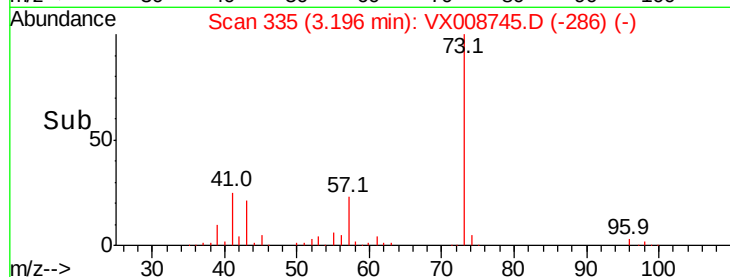
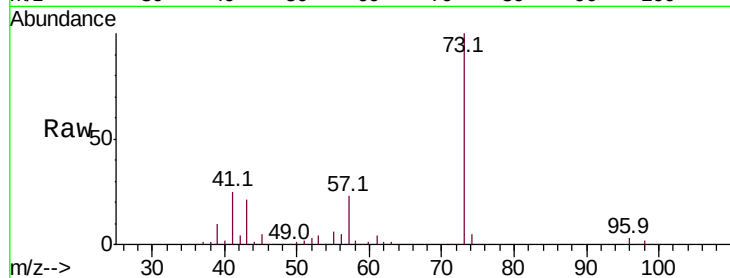
Methyl tert-butyl Ether
 Concen: 18.102 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.5	29.3

Manual Integrations
 APPROVED

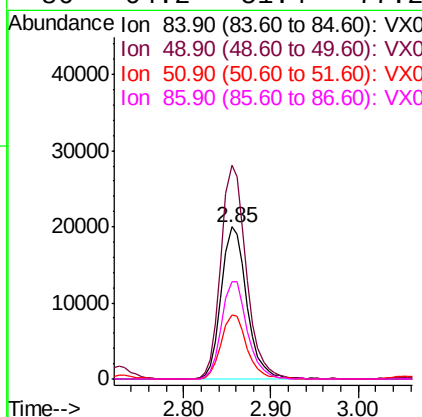
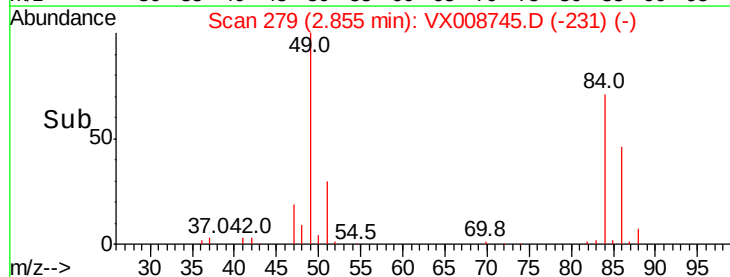
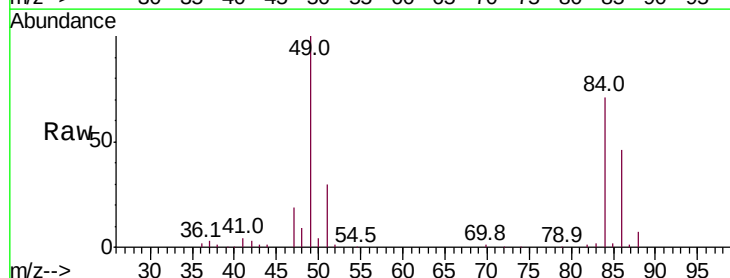
MMDadoda
 4/9/2019 1:49:57 PM

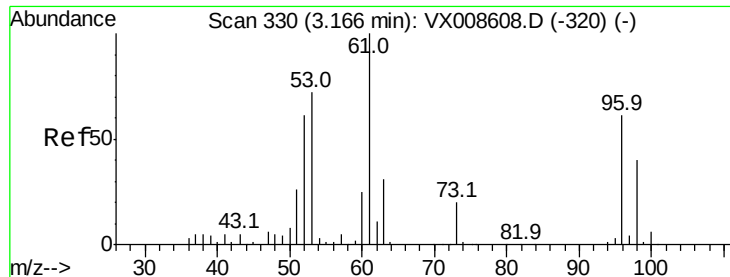


#20

Methylene Chloride
 Concen: 16.543 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.5	109.7	164.5
51	42.4	33.6	50.4
86	64.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 16.950 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion: 96 Resp: 37047

Ion Ratio Lower Upper

96 100

61 156.1 132.1 198.1

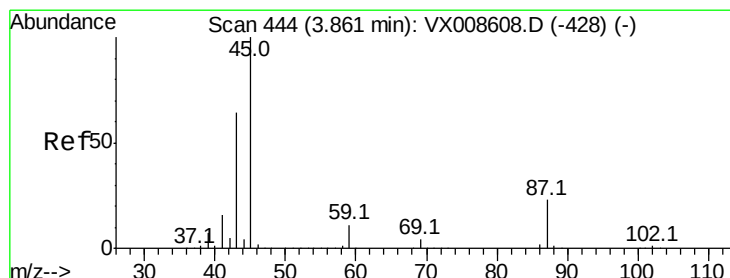
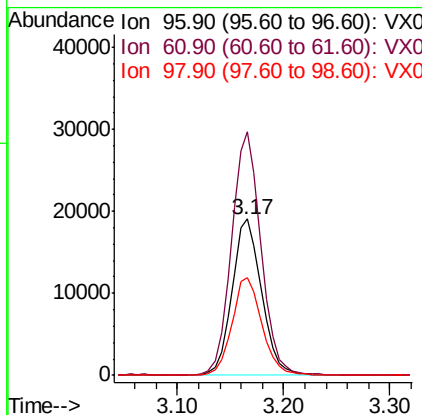
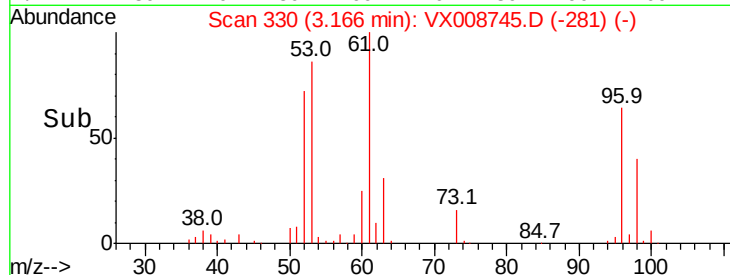
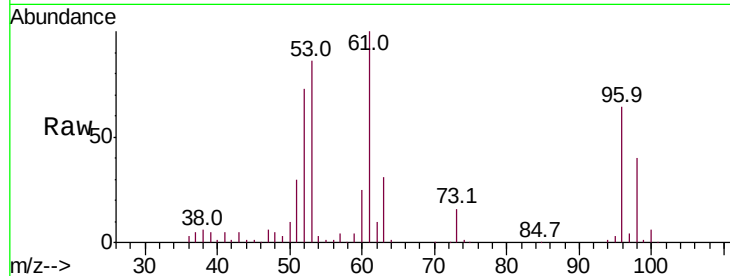
98 62.3 52.2 78.2

Manual Integrations

APPROVED

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4/9/2019 1:49:57 PM



#22

Diisopropyl ether

Concen: 18.043 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Tgt Ion: 45 Resp: 160866

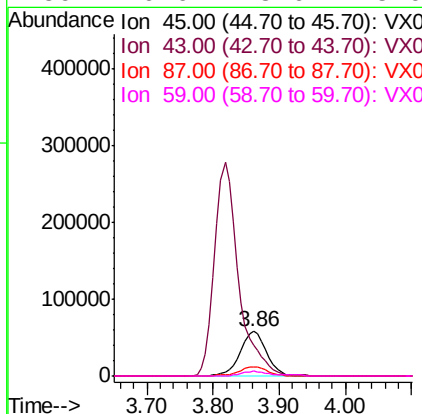
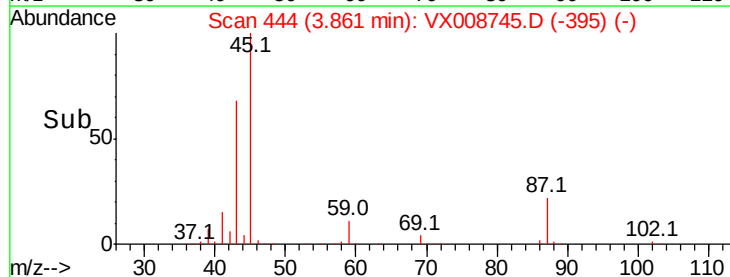
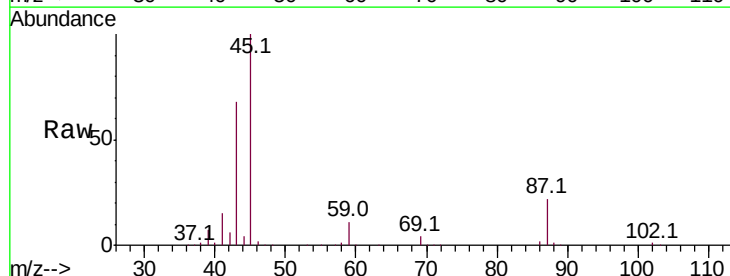
Ion Ratio Lower Upper

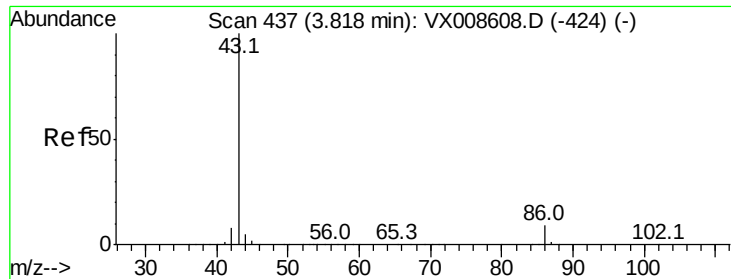
45 100

43 67.7 51.3 76.9

87 21.5 18.1 27.1

59 10.6 8.6 13.0





#23

Vinyl Acetate

Concen: 91.506 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion: 43 Resp: 709740

Ion Ratio Lower Upper

43 100

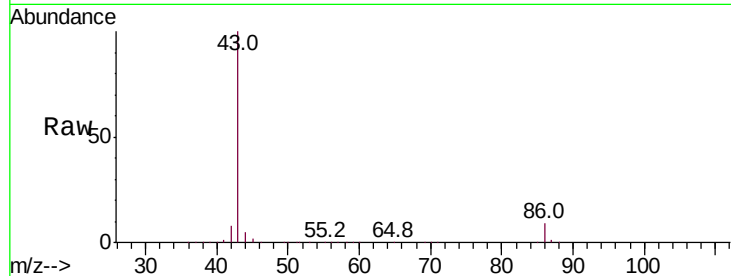
86 8.6 7.0 10.6

Manual Integrations

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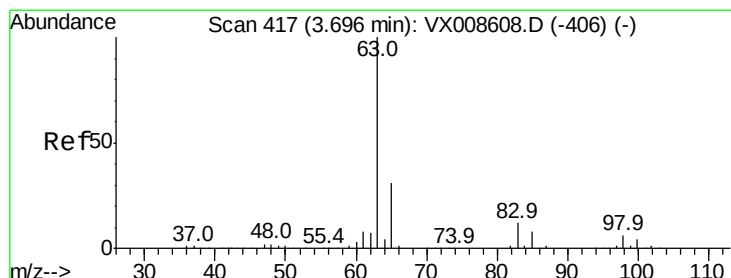
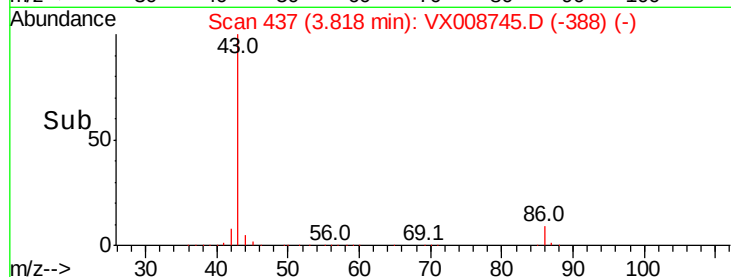
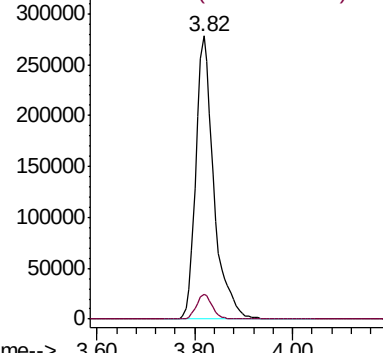
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.683 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

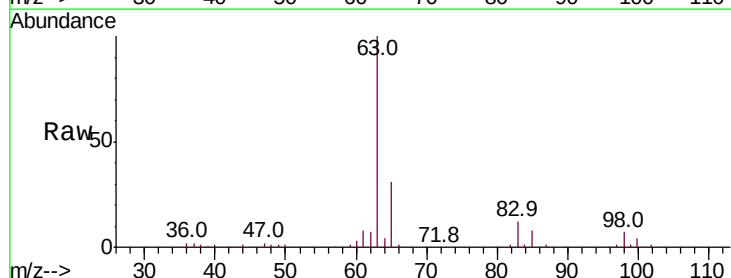
Tgt Ion: 63 Resp: 78059

Ion Ratio Lower Upper

63 100

98 6.8 2.8 8.4

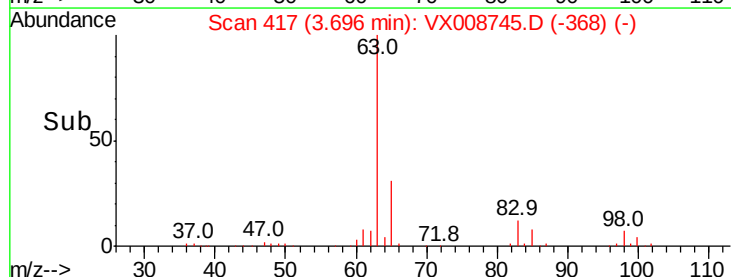
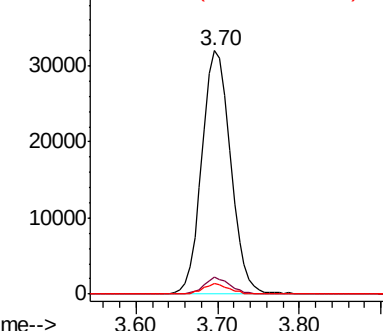
100 4.2 1.8 5.5

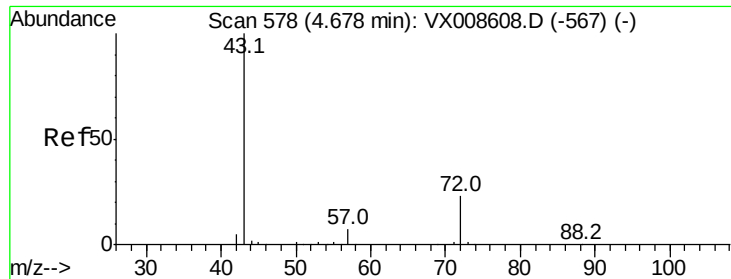


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 94.095 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion: 43 Resp: 218373

Ion Ratio Lower Upper

43 100

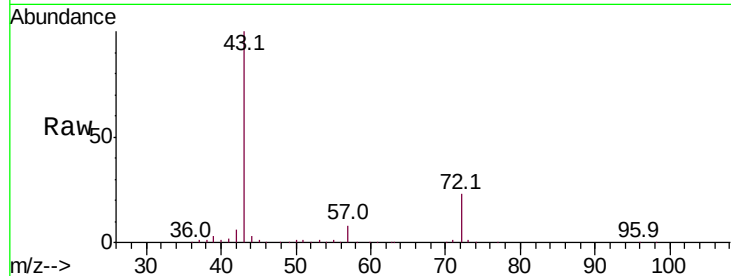
72 23.2 18.2 27.4

Manual Integrations

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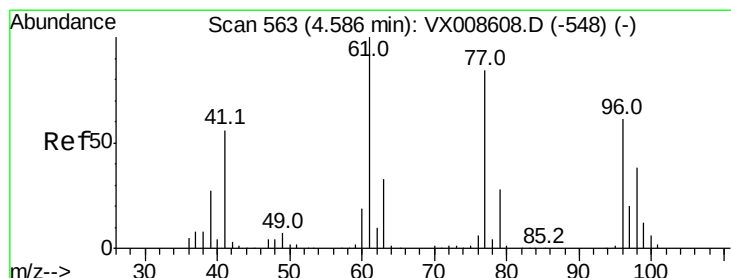
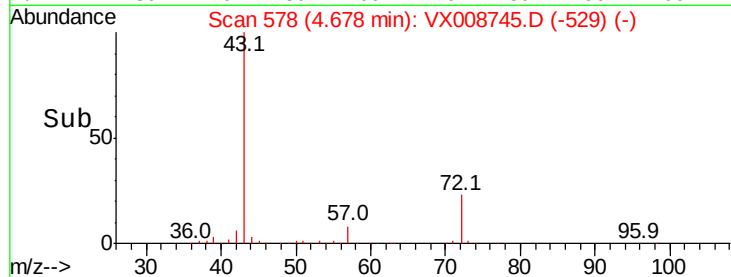
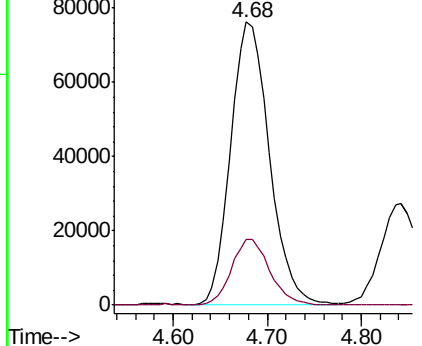
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.118 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008745.D

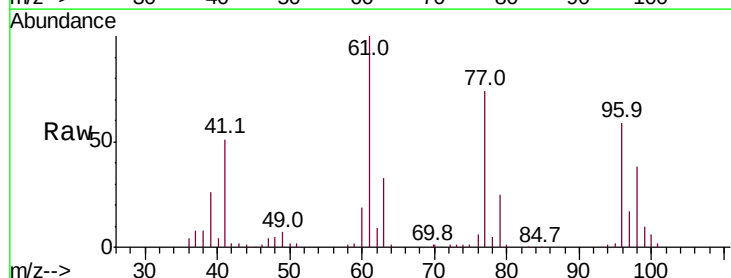
Acq: 08 Apr 2019 15:14

Tgt Ion: 77 Resp: 50113

Ion Ratio Lower Upper

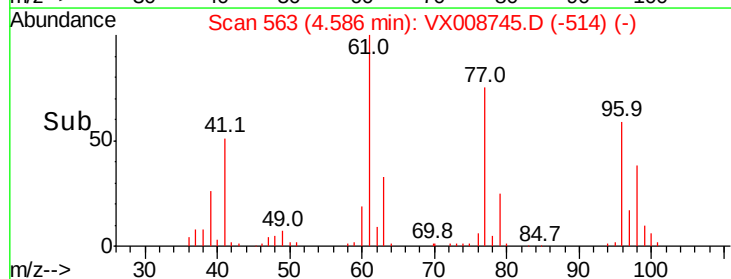
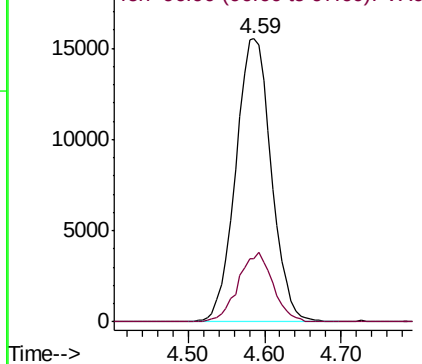
77 100

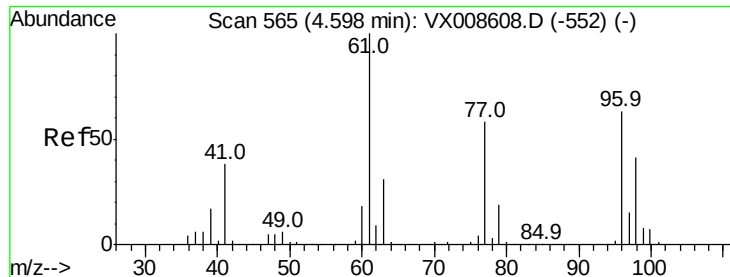
97 23.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

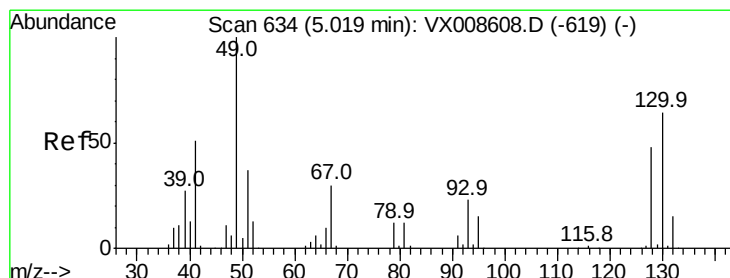
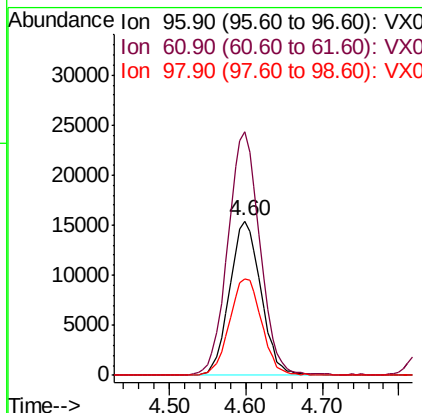
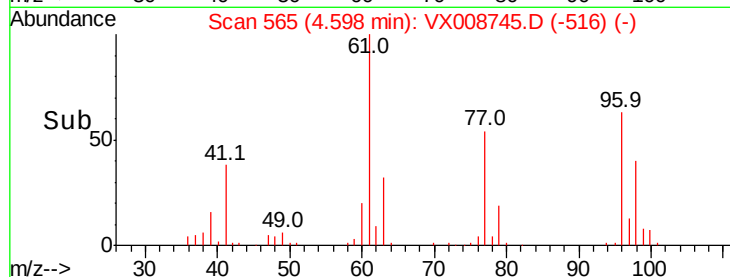
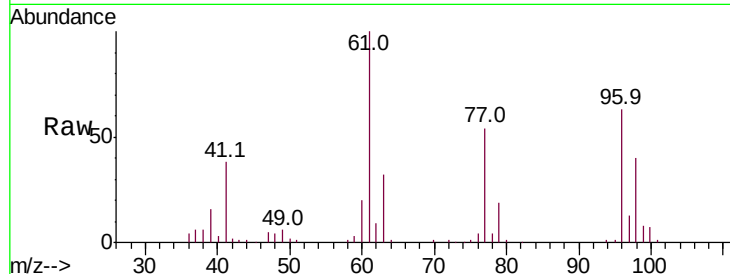
cis-1,2-Dichloroethene
Concen: 17.390 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	327.6
98	64.1	0.0	128.6

Manual Integrations
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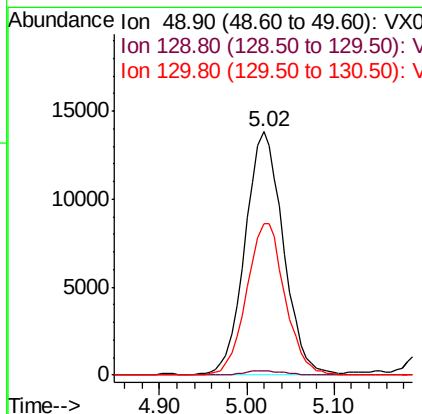
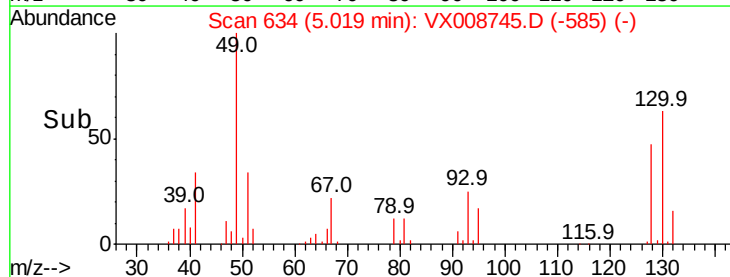
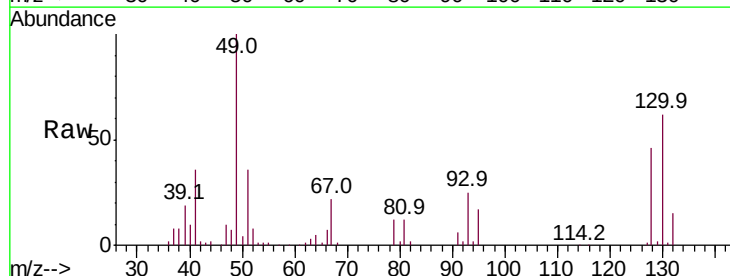
MMDadoda
4/9/2019 1:49:57 PM

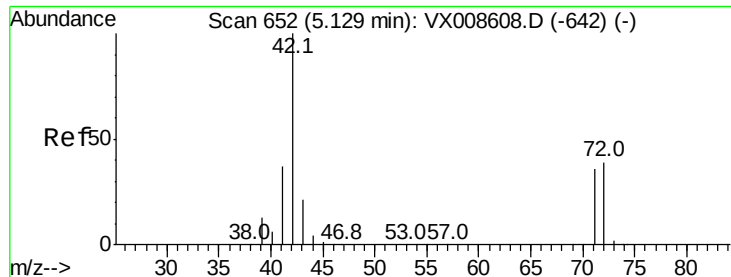


#28

Bromochloromethane
Concen: 20.986 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	62.4	49.3	73.9





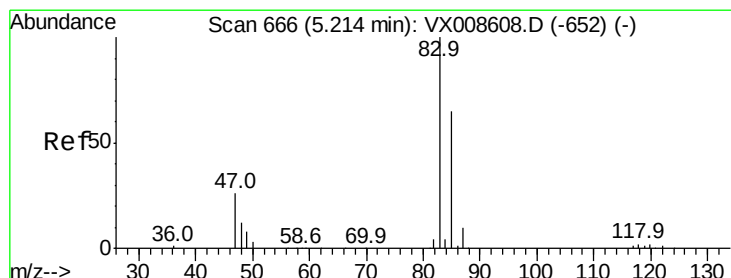
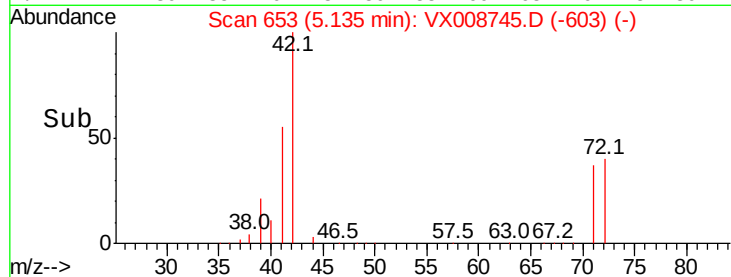
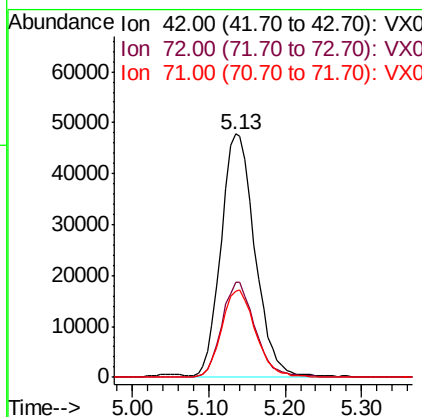
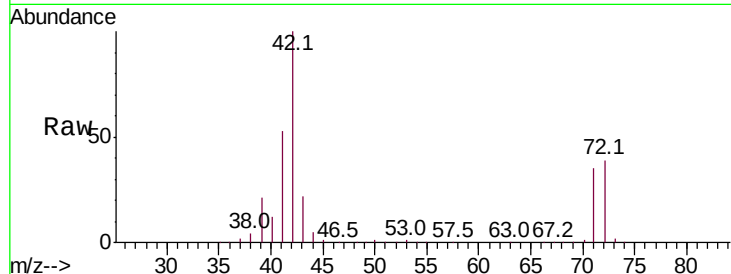
#29
Tetrahydrofuran
Concen: 94.193 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	30.5	45.7
71	36.5	28.6	43.0

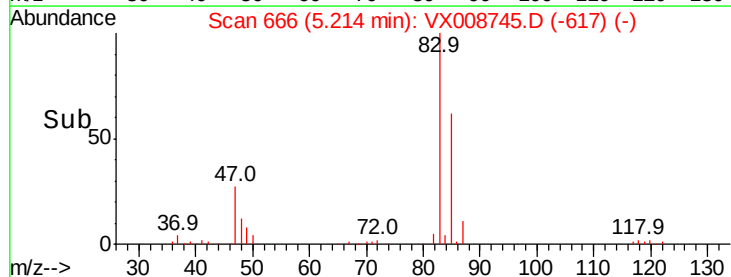
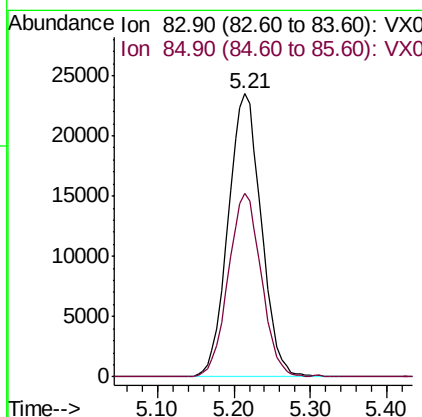
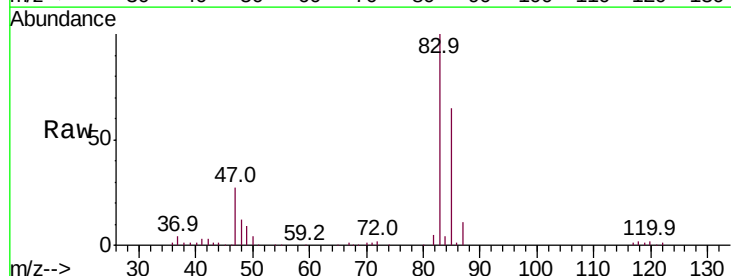
Manual Integrations
APPROVED

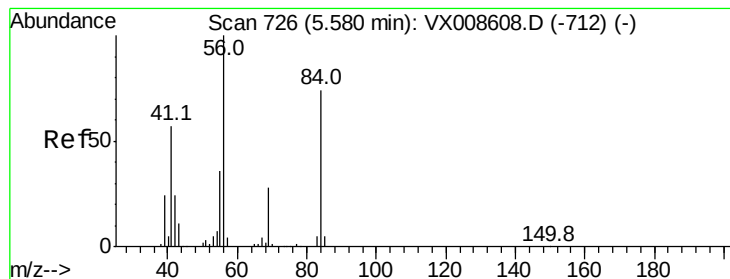
MMDadoda
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#30
Chloroform
Concen: 17.837 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.1	78.1





#31

Cyclohexane

Concen: 16.608 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

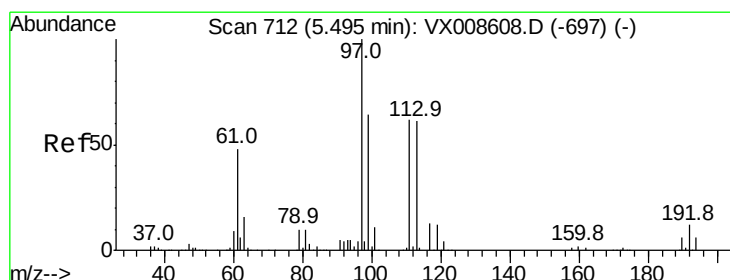
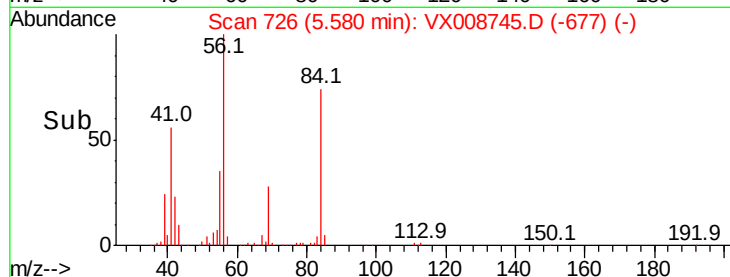
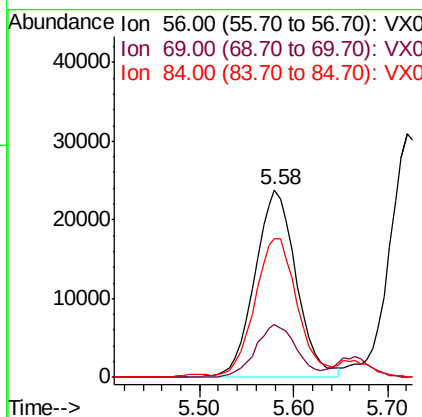
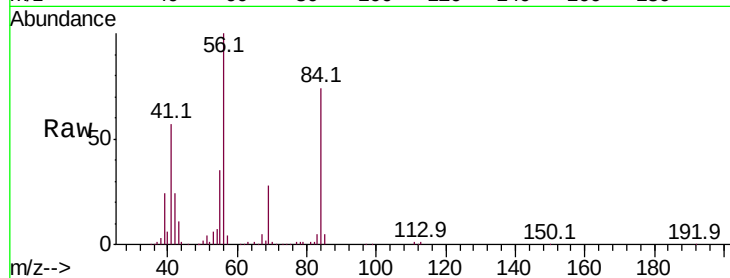
ClientSampleId :

VX0408MBS01

Tot Ion:	56	Resp:	73152
Ion Ratio	Lower	Upper	
56	100		
69	28.4	22.6	33.8
84	72.8	59.3	88.9

Manual Integrations
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4/9/2019 1:49:57 PM



#32

1,1,1-Trichloroethane

Concen: 17.712 ug/l

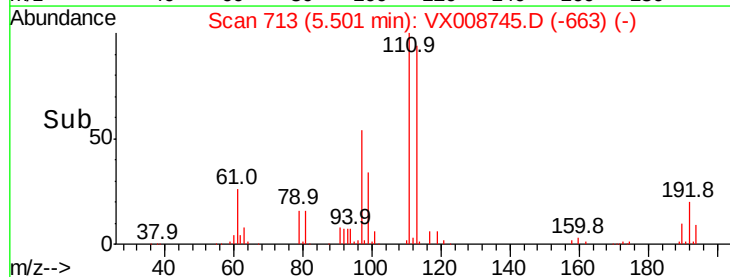
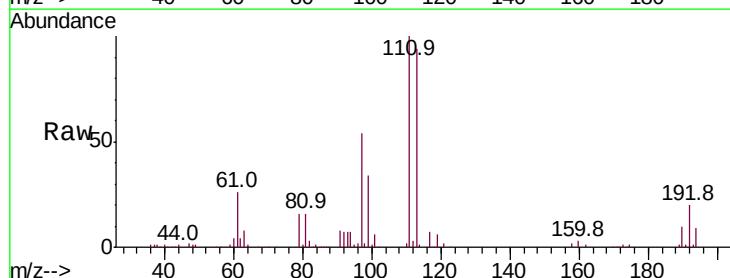
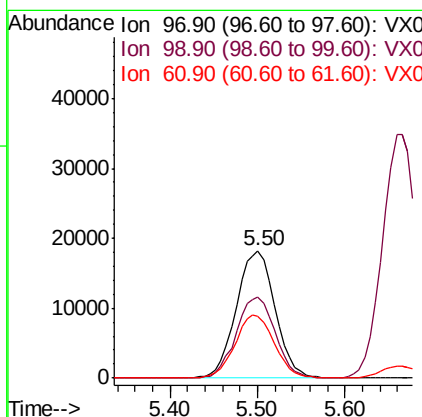
RT: 5.50 min Scan# 713

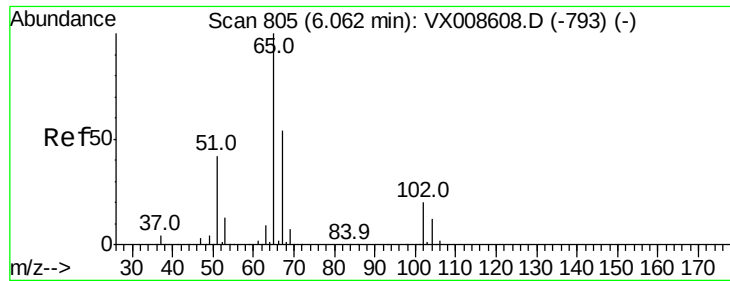
Delta R.T. 0.01 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Tgt Ion:	97	Resp:	56432
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.3	76.9
61	50.1	38.9	58.3





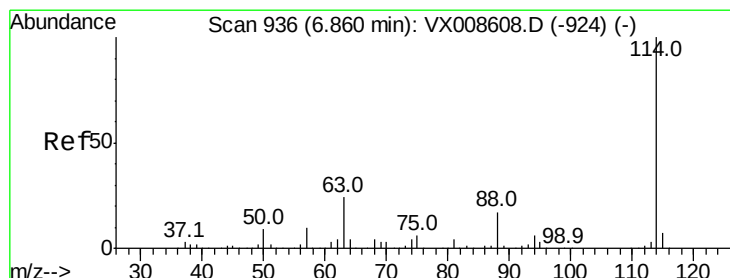
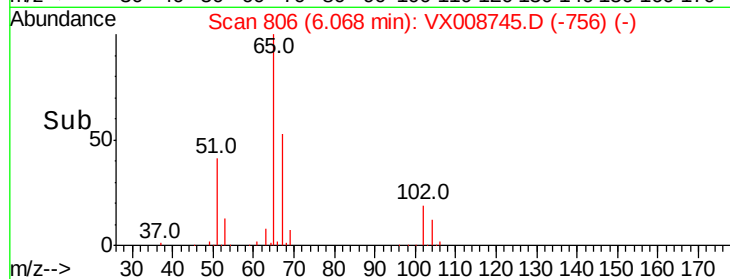
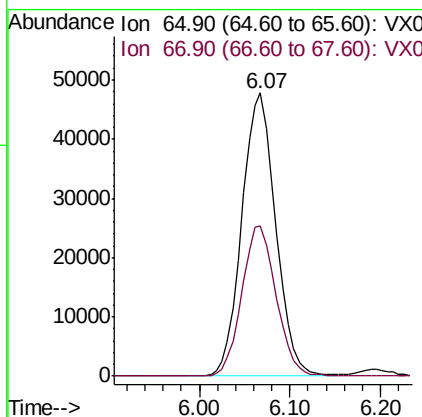
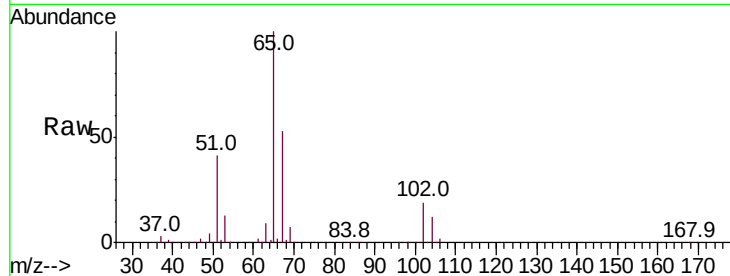
#33
 1,2-Dichloroethane-d4
 Concen: 48.409 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	107.2

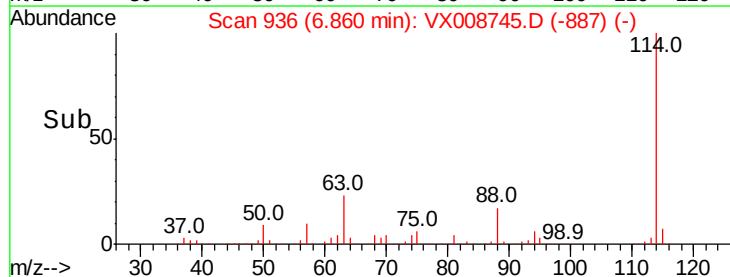
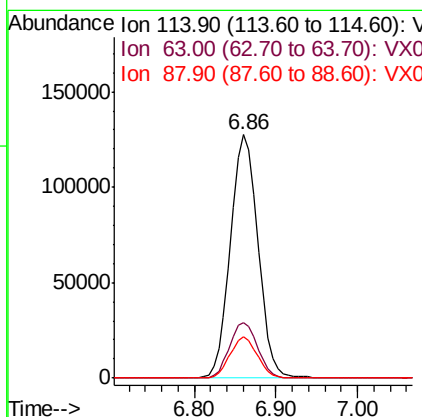
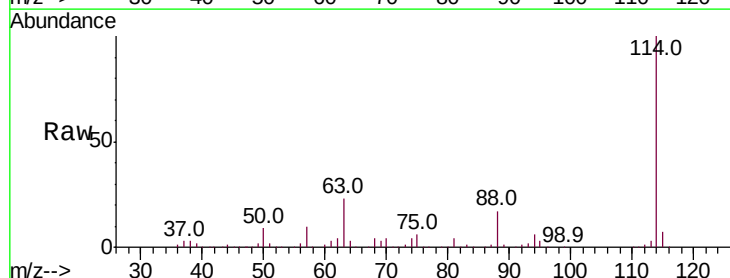
Manual Integrations
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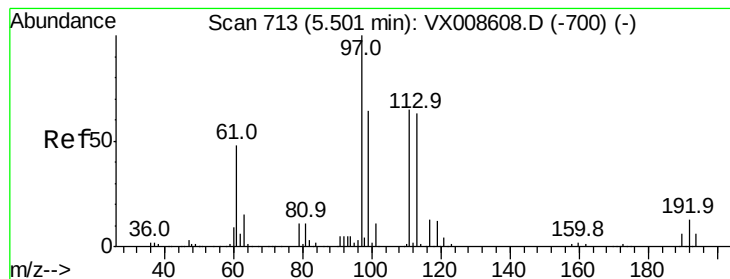
MMDadoda
 4/9/2019 1:49:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	47.2
88	16.8	0.0	34.0





#35

Dibromofluoromethane

Concen: 48.133 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

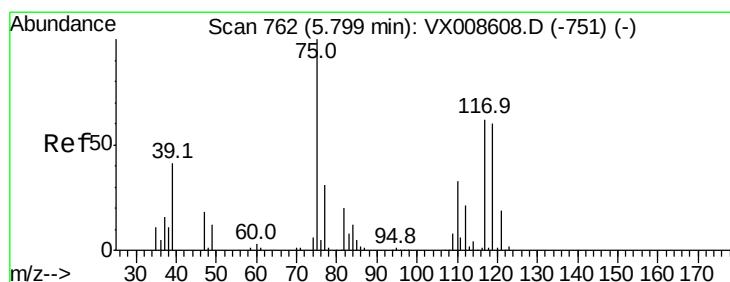
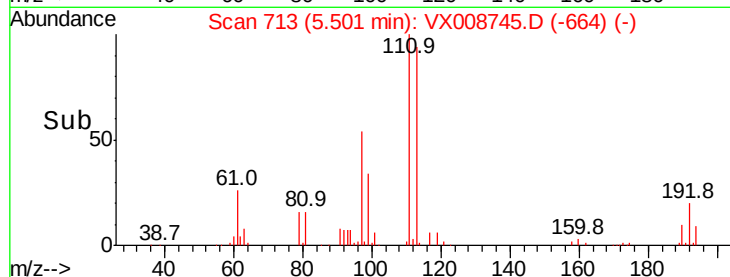
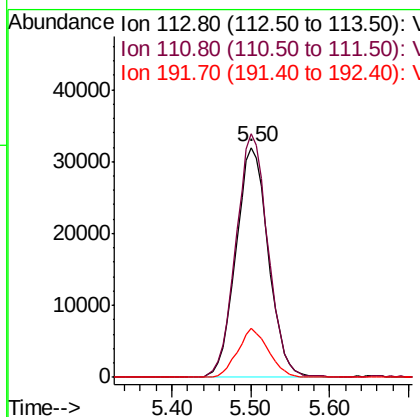
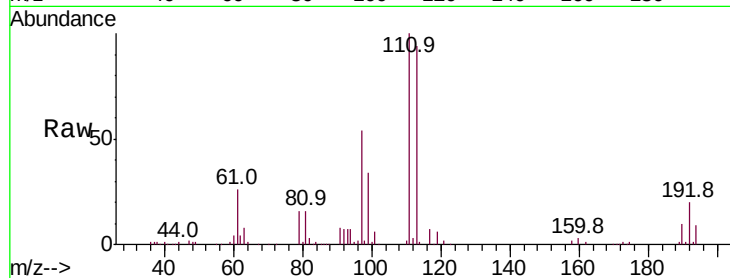
ClientSampleId :

VX0408MBS01

Tot Ion:	113	Resp:	91500
Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.4	125.2
192	20.3	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 16.138 ug/l

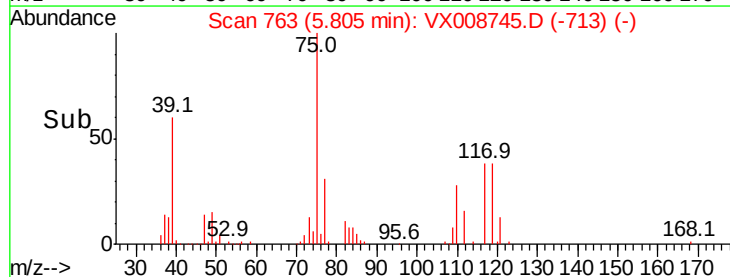
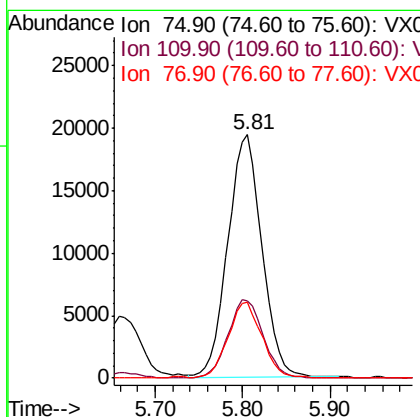
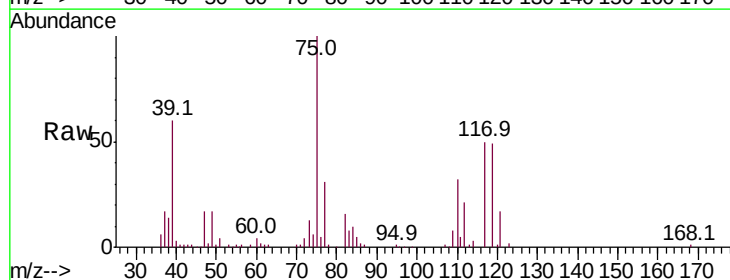
RT: 5.81 min Scan# 763

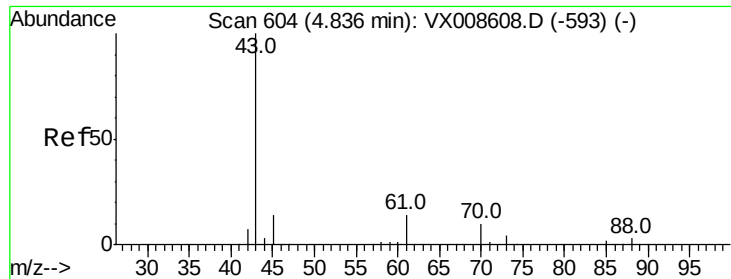
Delta R.T. 0.01 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Tgt Ion:	75	Resp:	52450
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.4	49.2
77	31.4	24.7	37.1





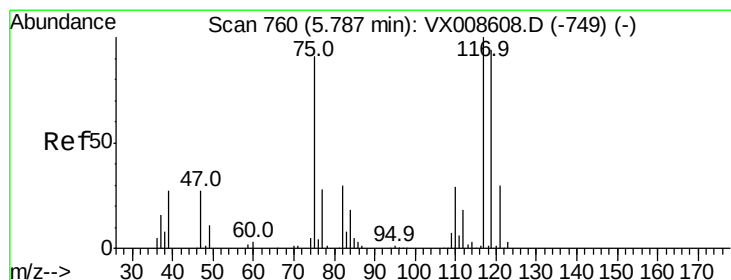
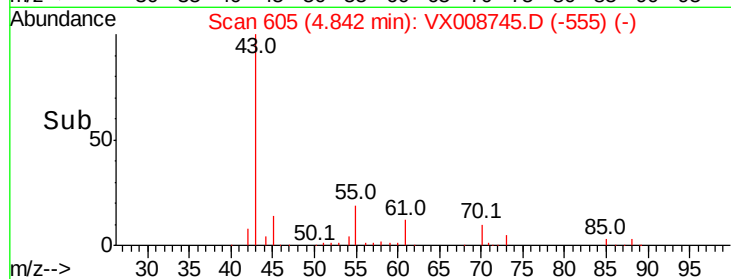
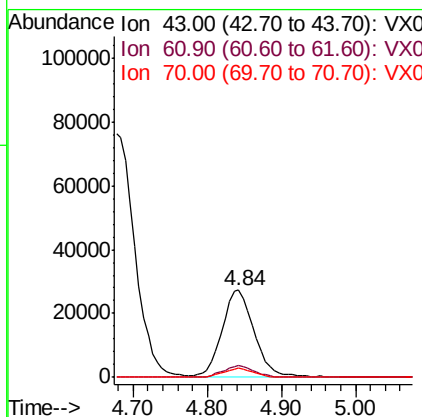
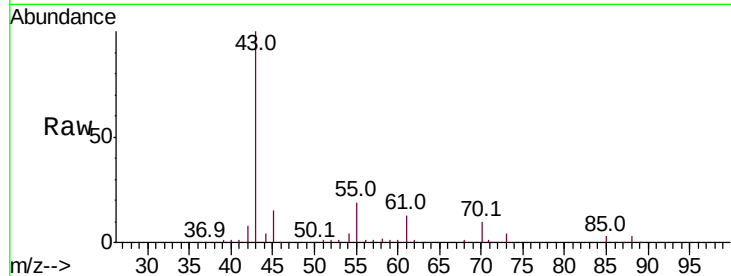
#37
Ethyl Acetate
Concen: 18.515 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.3	15.5
70	10.1	7.6	11.4

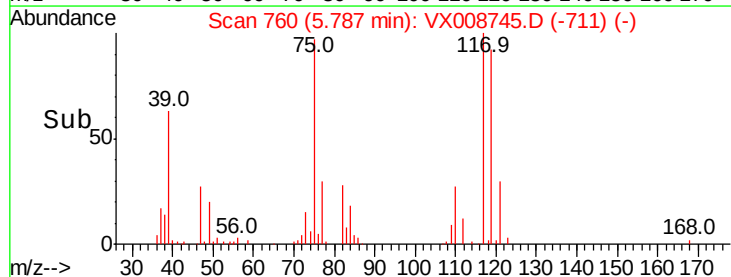
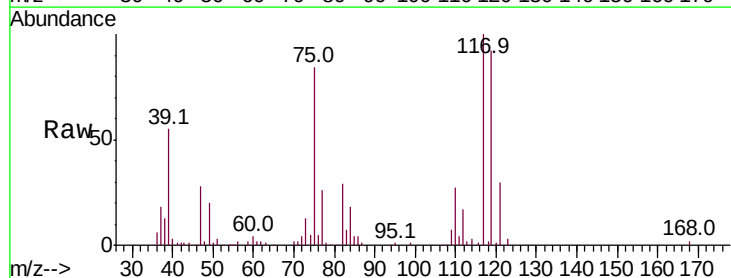
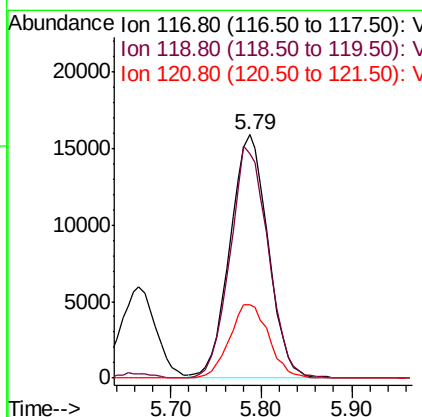
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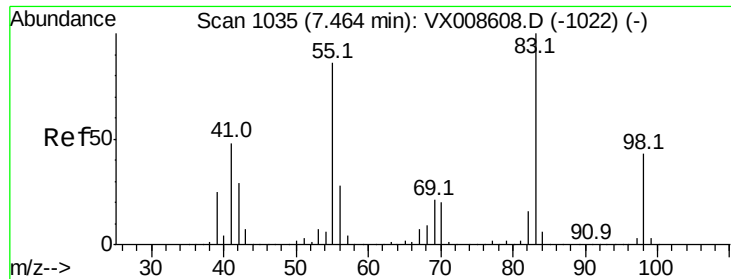
MMDadoda
4/9/2019 1:49:57 PM



#38
Carbon Tetrachloride
Concen: 17.200 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.0	112.6
121	30.2	24.3	36.5





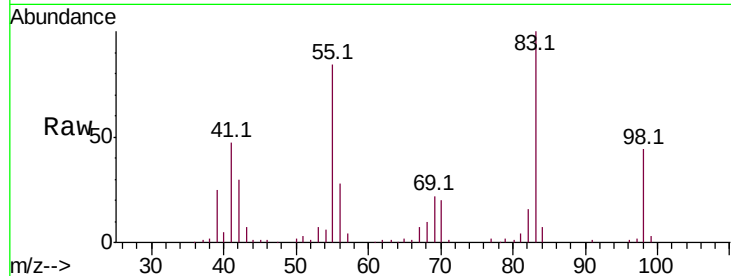
#39
Methylvlcyclohexane
Concen: 15.475 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

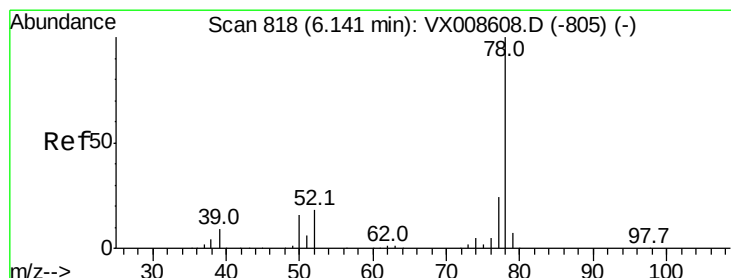
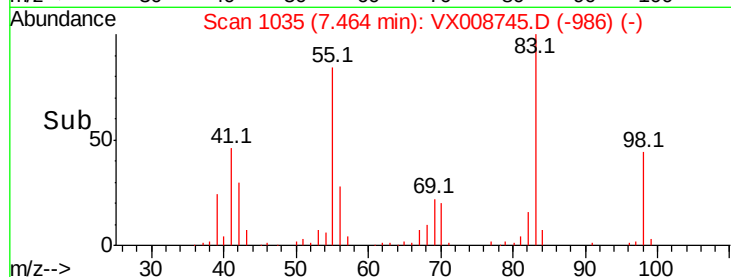
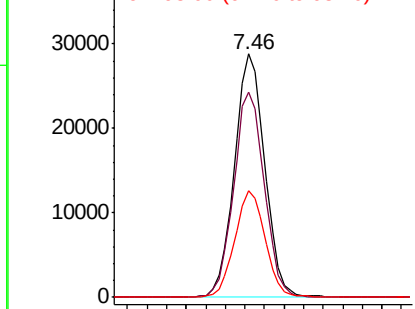
Tot Ion	Ratio	Lower	Upper
83	100		
55	84.2	69.0	103.6
98	43.9	34.4	51.6

Manual Integrations
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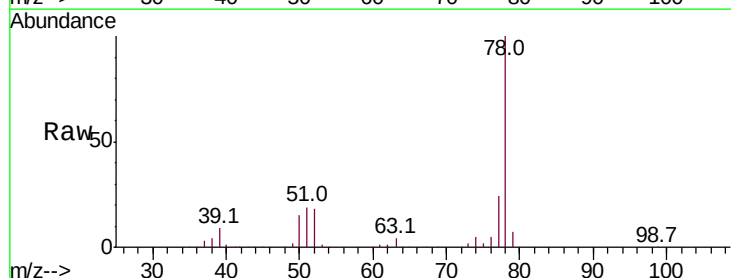


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

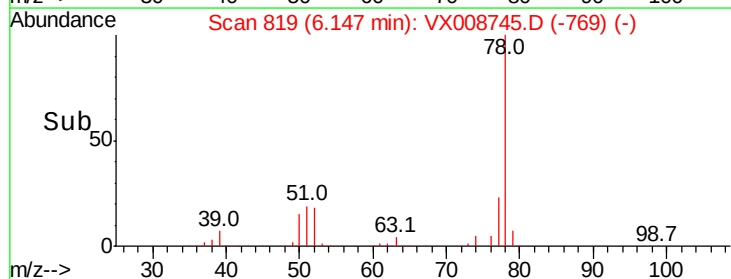
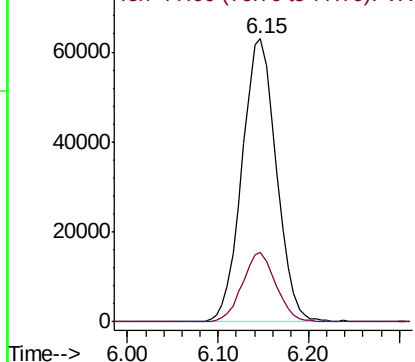


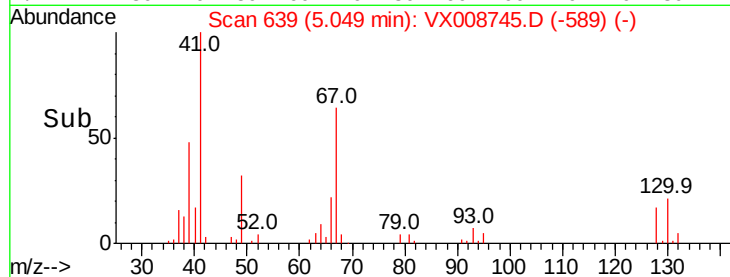
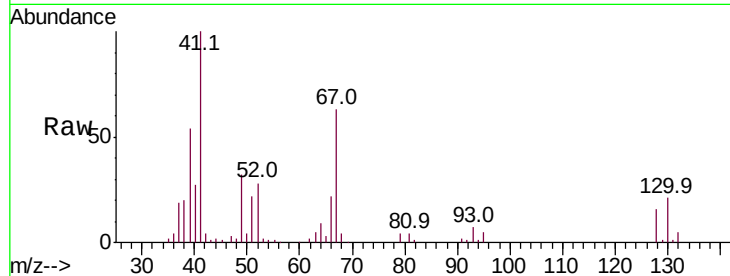
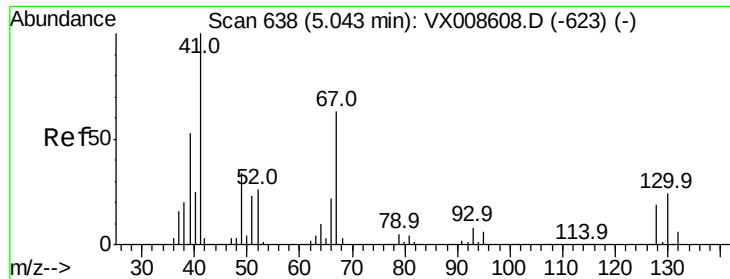
#40
Benzene
Concen: 17.090 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 17.989 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.1	63.1	
67	65.6	51.0	76.6	
52	28.1	21.4	32.0	

Instrument :

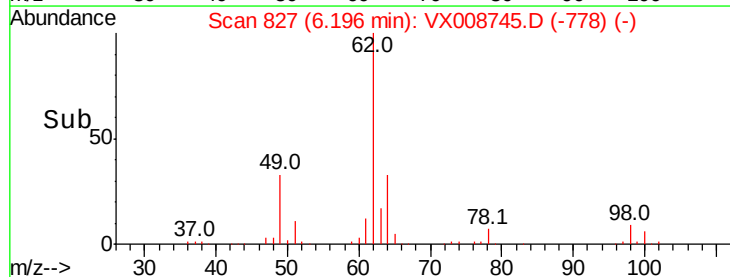
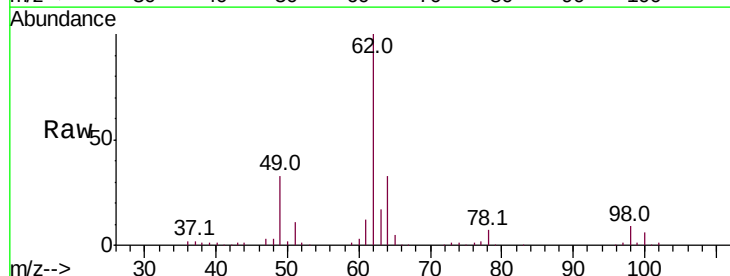
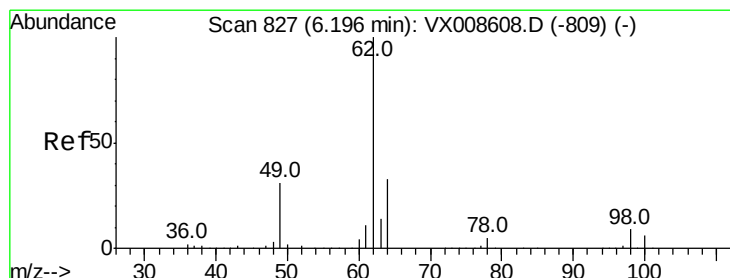
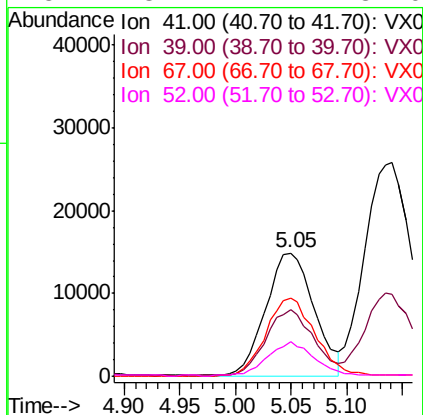
MSVOA_X

ClientSampleId :

VX0408MBS01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 17.106 ug/l

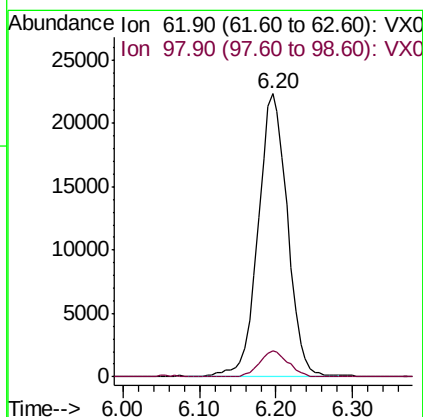
RT: 6.20 min Scan# 827

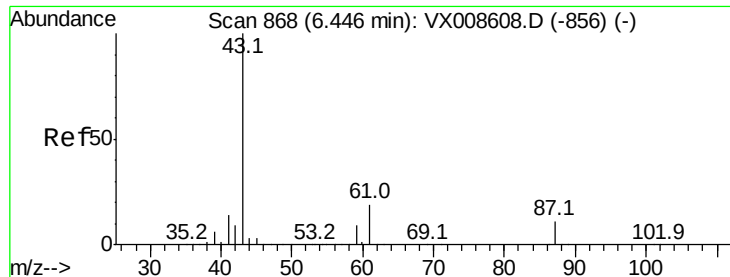
Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

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





#43

Isopropyl Acetate

Concen: 18.091 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

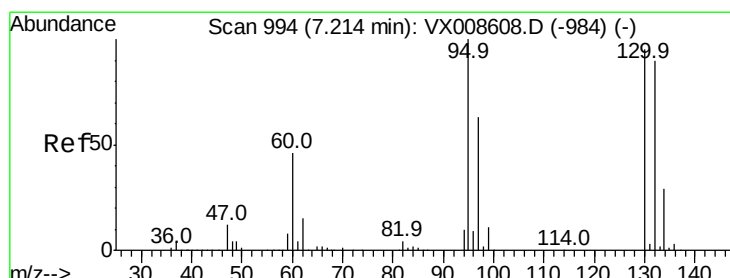
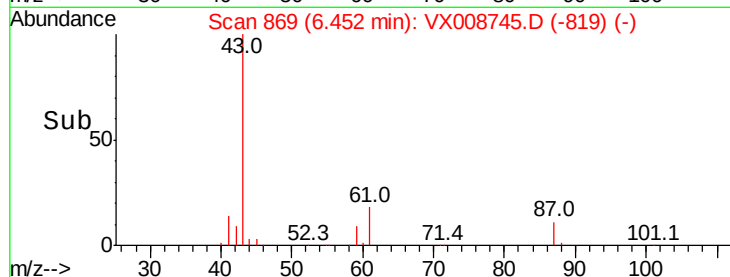
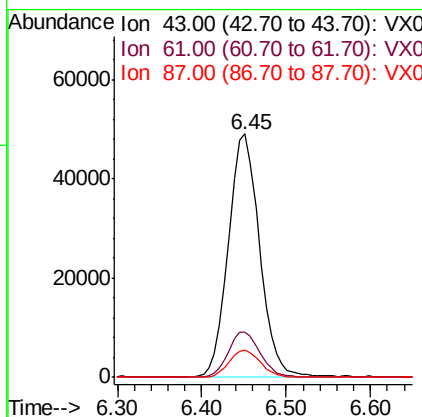
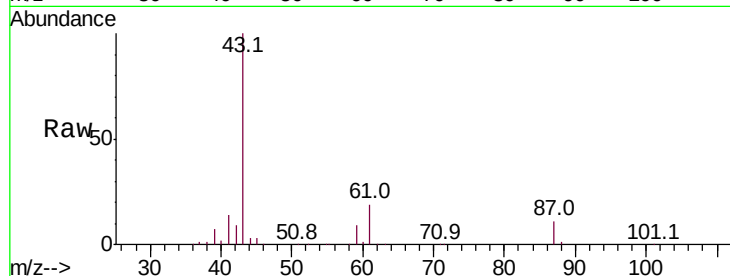
ClientSampleId :

VX0408MBS01

Tot Ion:	43	Resp:	122939
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.3	22.9
87	11.4	9.0	13.6

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#44

Trichloroethene

Concen: 16.746 ug/l

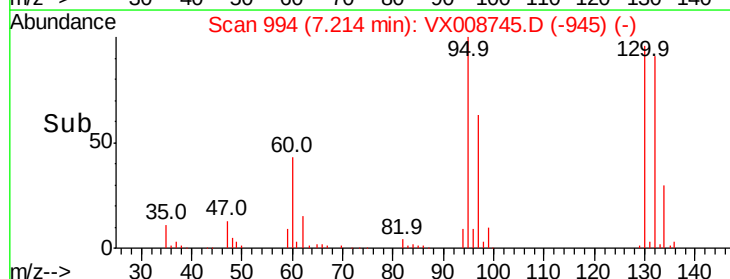
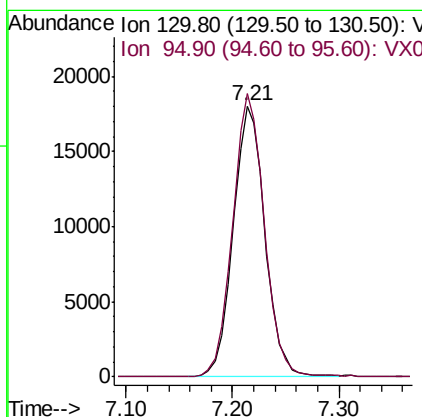
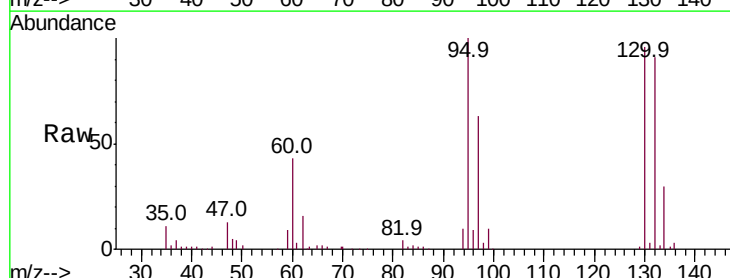
RT: 7.21 min Scan# 994

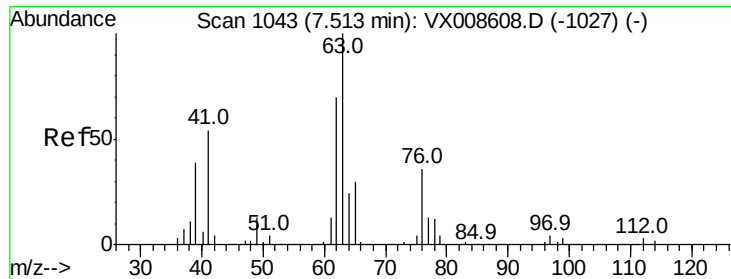
Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Tgt Ion:	130	Resp:	37762
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	209.8





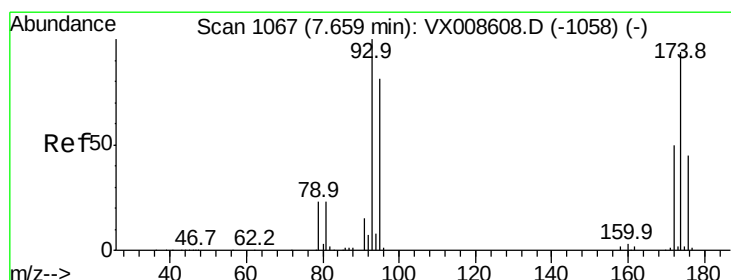
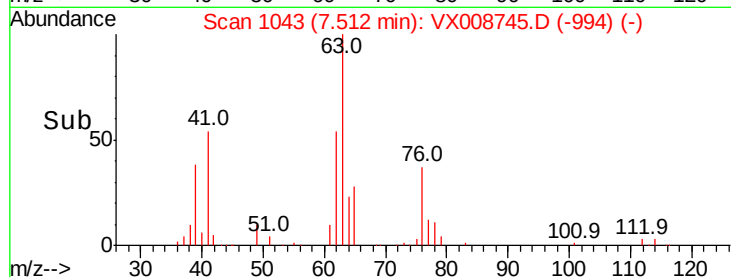
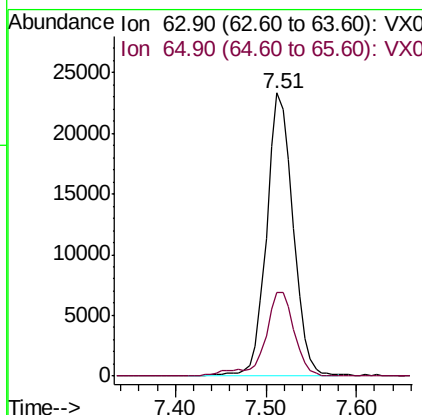
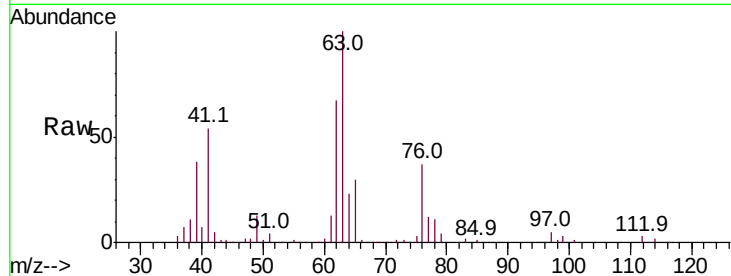
#45
 1,2-Dichloropropane
 Concen: 17.097 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0408MBS01

Tot Ion: 63 Resp: 47248
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.2 36.4

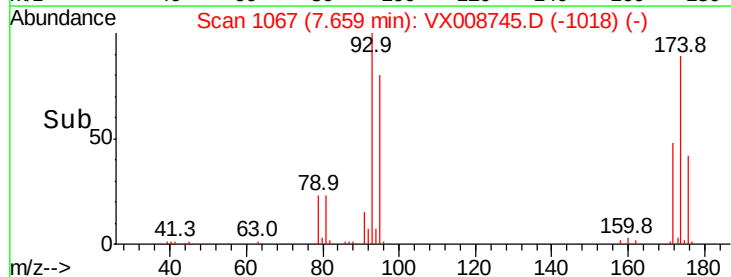
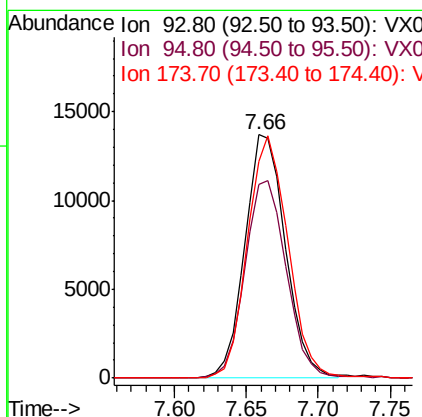
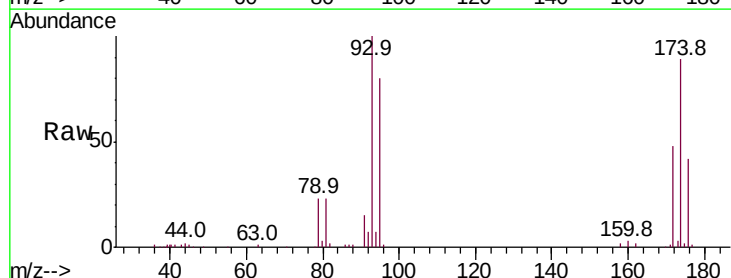
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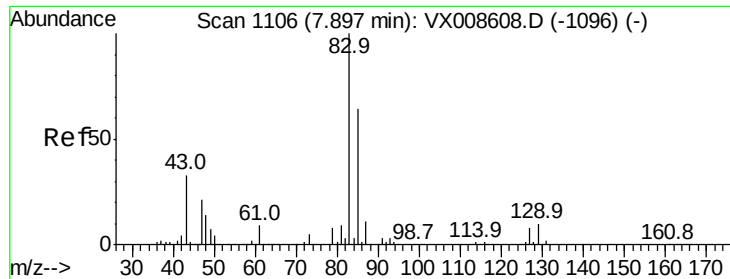
MMDadoda
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#46
 Dibromomethane
 Concen: 16.676 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion: 93 Resp: 26729
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 99.8
 174 99.5 77.7 116.5





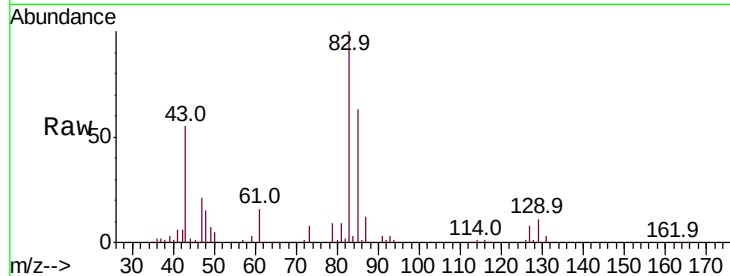
#47
Bromodichloromethane
Concen: 17.374 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

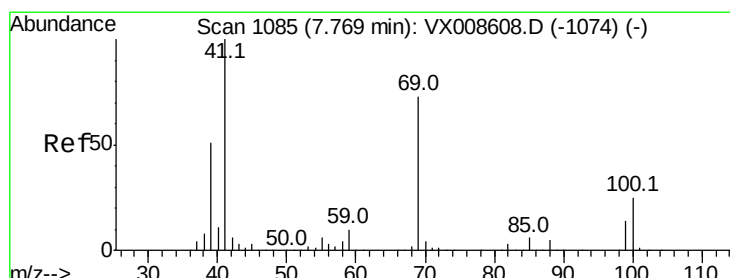
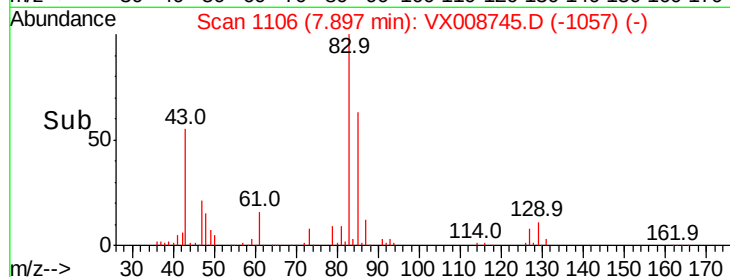
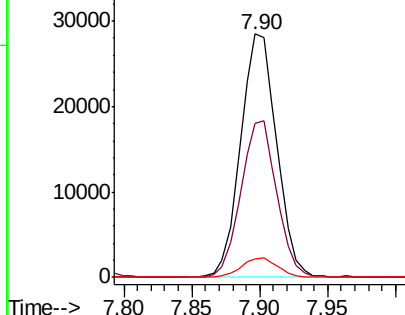
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.2	76.8
127	7.5	6.6	10.0

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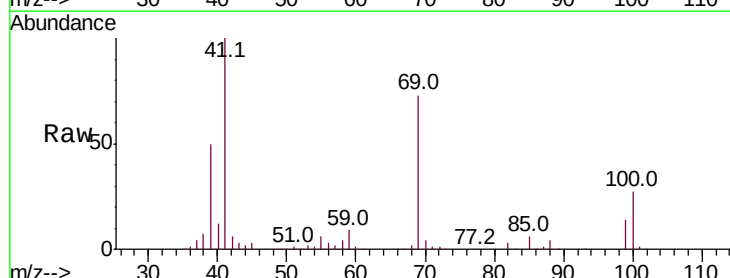


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

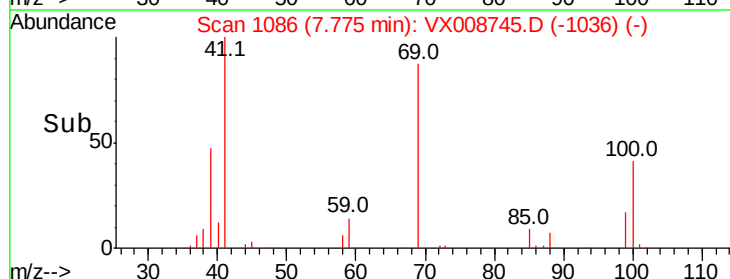
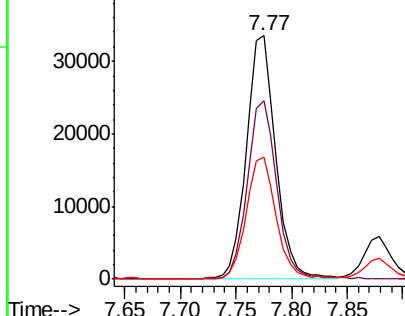


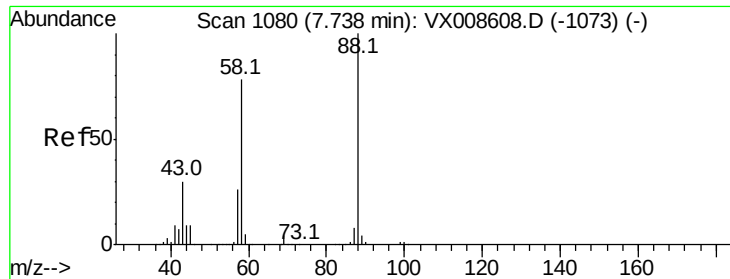
#48
Methyl methacrylate
Concen: 17.751 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.5	59.0	88.4
39	50.9	41.0	61.4



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





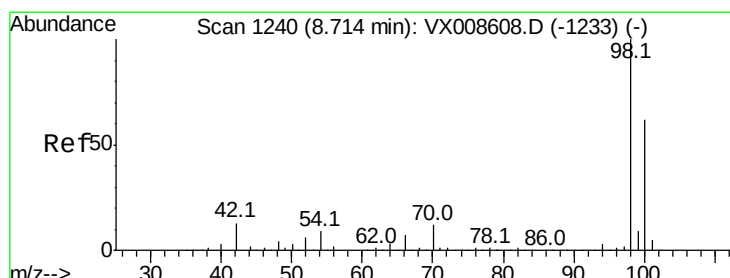
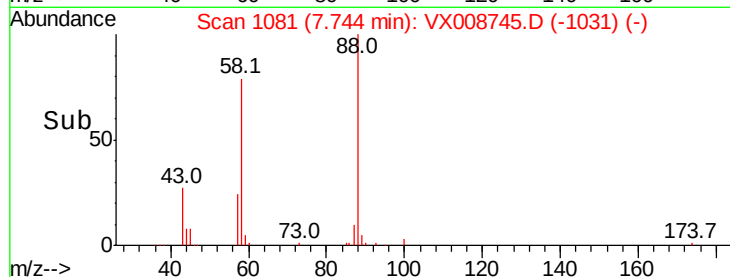
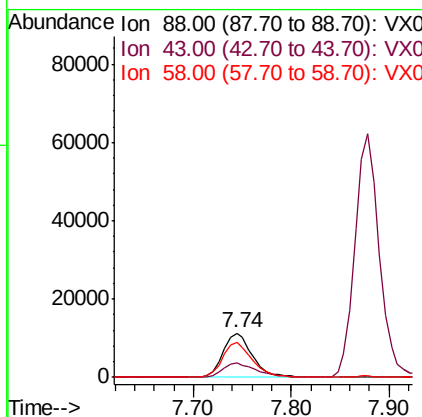
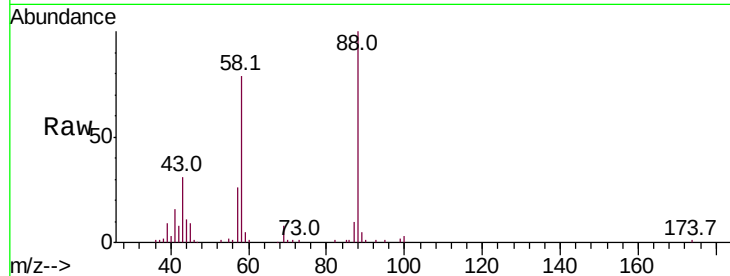
#49
1,4-Dioxane
Concen: 359.589 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	43.0
58	81.3	62.2	93.2

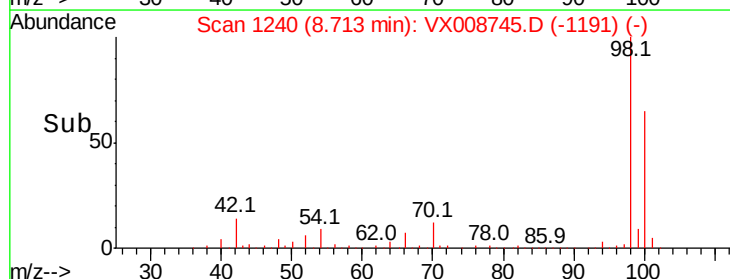
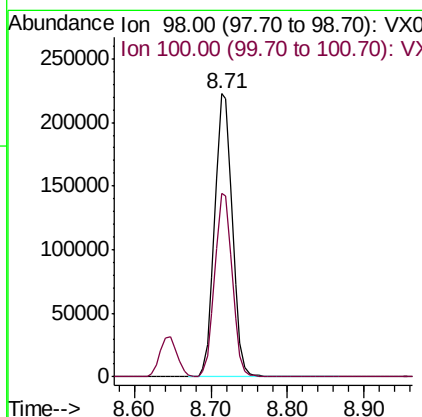
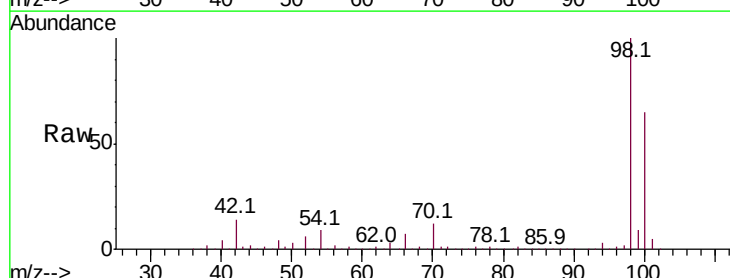
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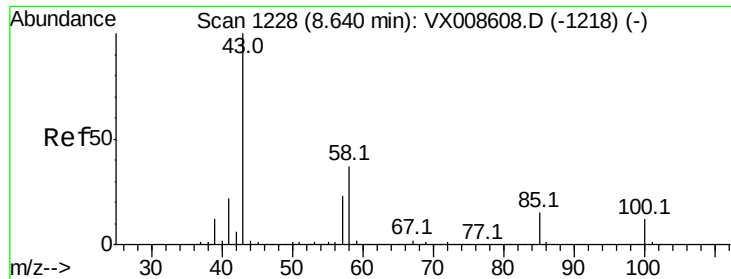
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#50
Toluene-d8
Concen: 47.114 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 93.905 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion: 43 Resp: 410799

Ion Ratio Lower Upper

43 100

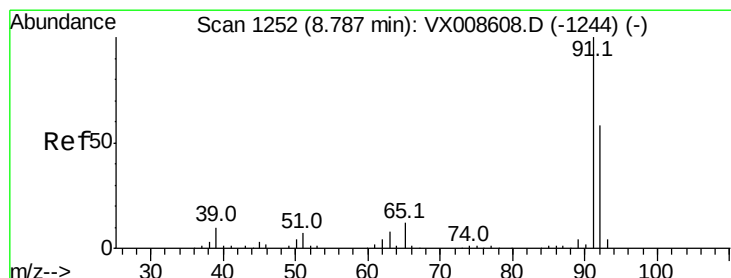
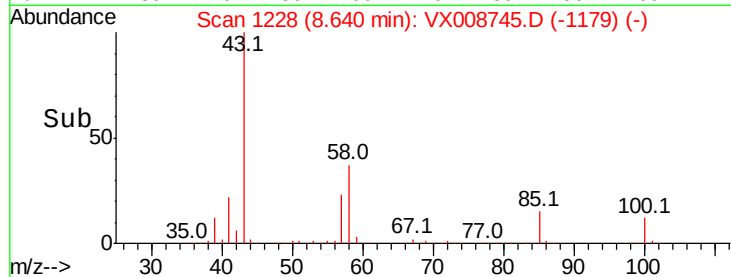
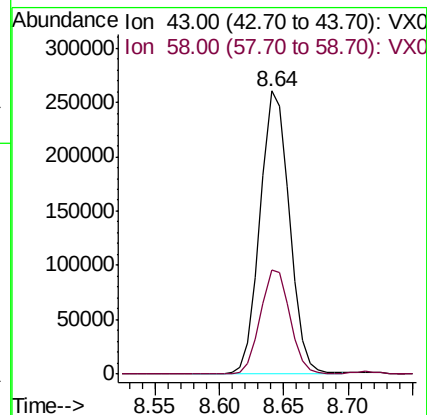
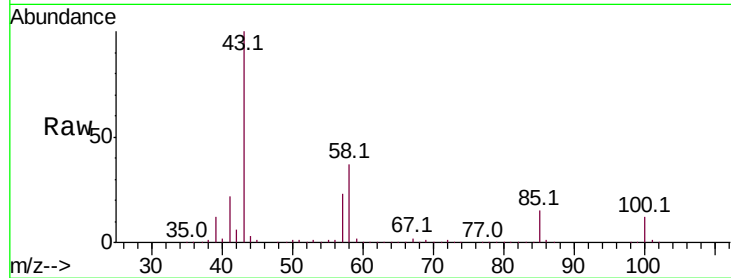
58 37.0 29.5 44.3

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#52

Toluene

Concen: 16.906 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008745.D

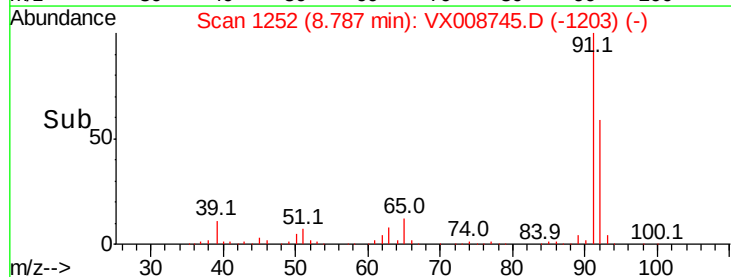
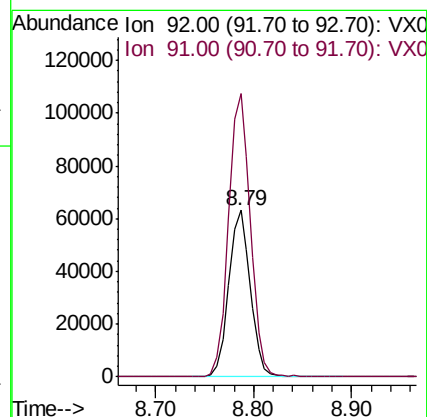
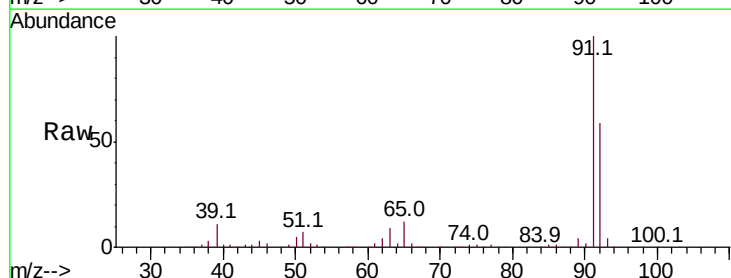
Acq: 08 Apr 2019 15:14

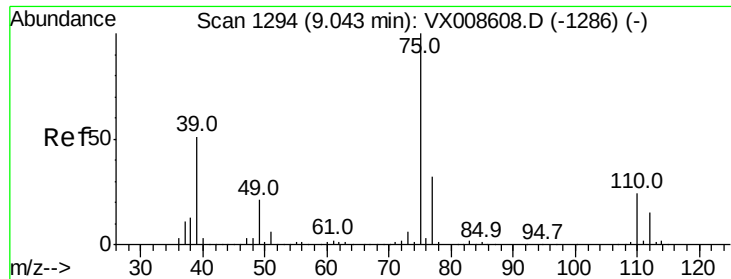
Tgt Ion: 92 Resp: 96502

Ion Ratio Lower Upper

92 100

91 172.3 138.5 207.7





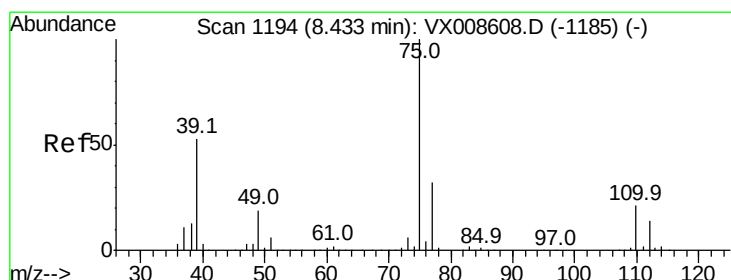
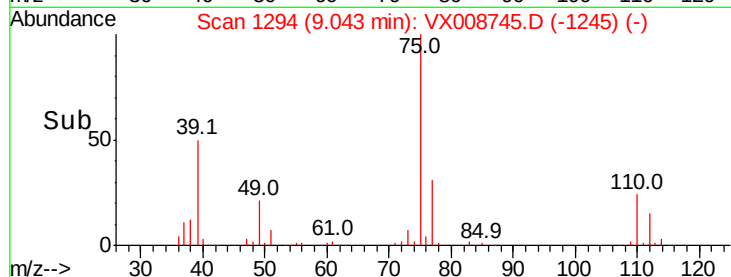
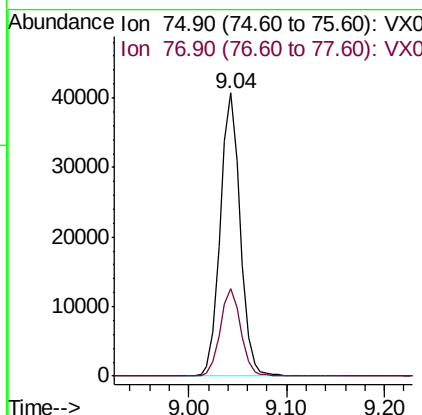
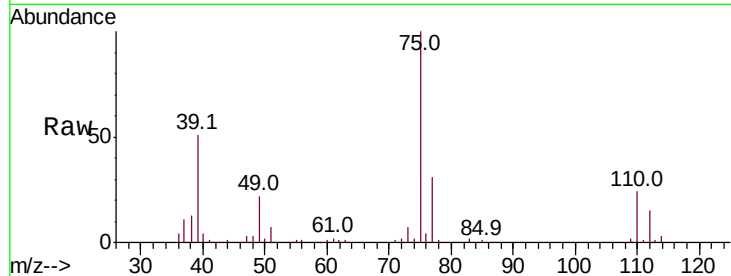
#53
 t-1,3-Dichloropropene
 Concen: 17.036 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion: 75 Resp: 57671
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8

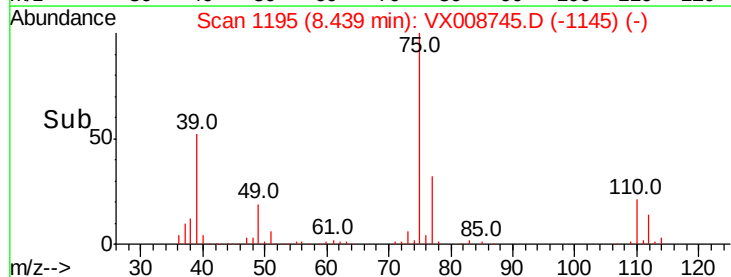
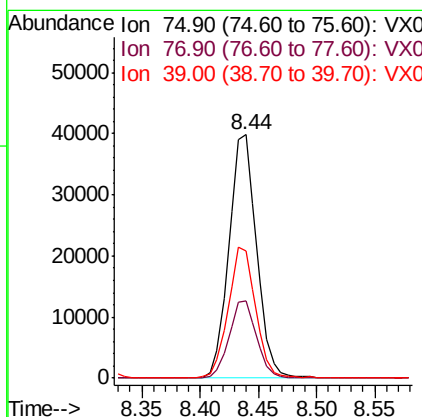
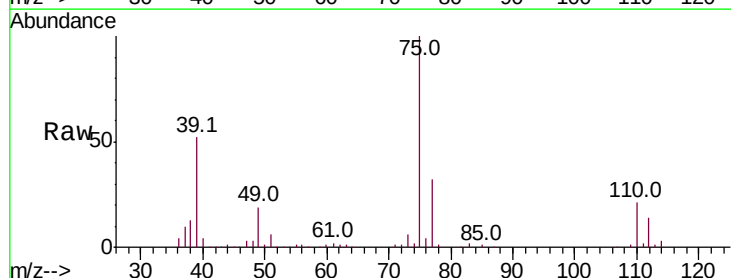
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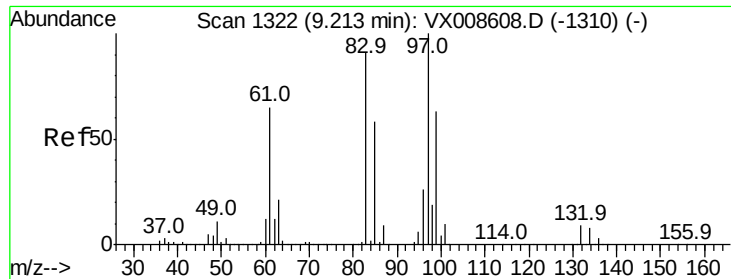
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#54
 cis-1,3-Dichloropropene
 Concen: 17.019 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion: 75 Resp: 65831
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.3 37.9
 39 52.1 42.6 63.8





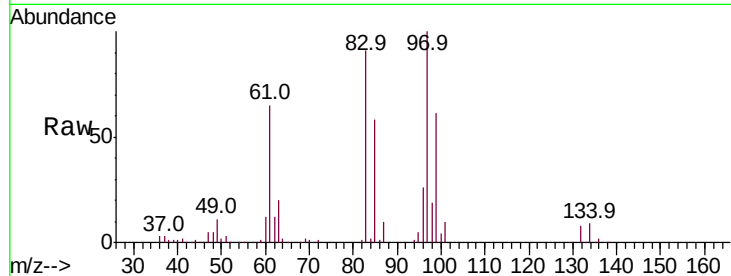
#55
 1,1,2-Trichloroethane
 Concen: 18.043 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion:	97	Resp:	41341
Ion	Ratio	Lower	Upper
97	100		
83	90.8	73.2	109.8
85	57.5	46.6	69.8
99	61.2	50.1	75.1

Manual Integrations
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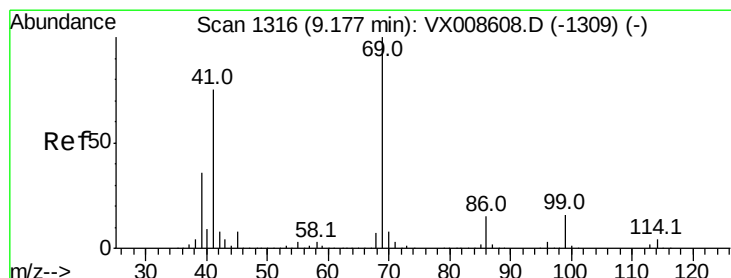
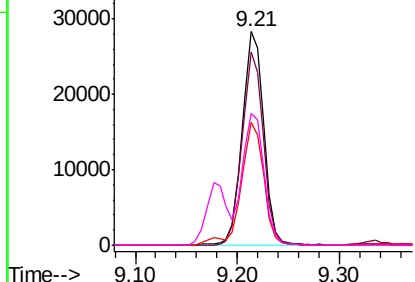
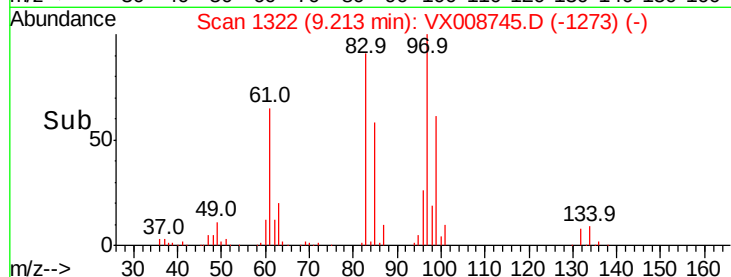
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

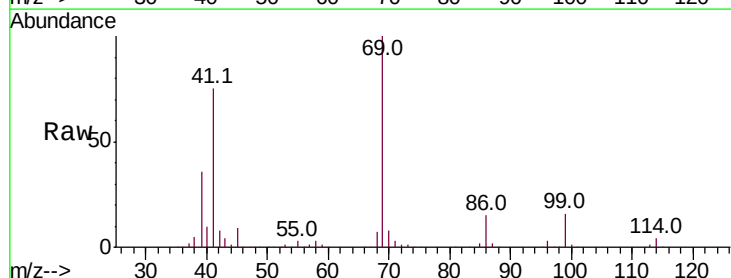
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 17.754 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion:	69	Resp:	73604
Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.1	90.1
39	35.3	28.9	43.3

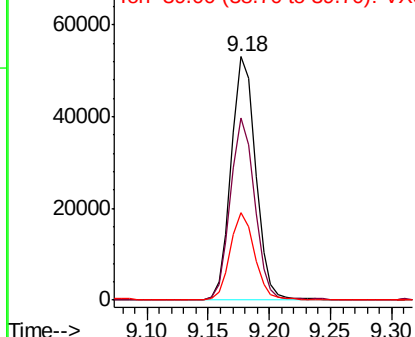
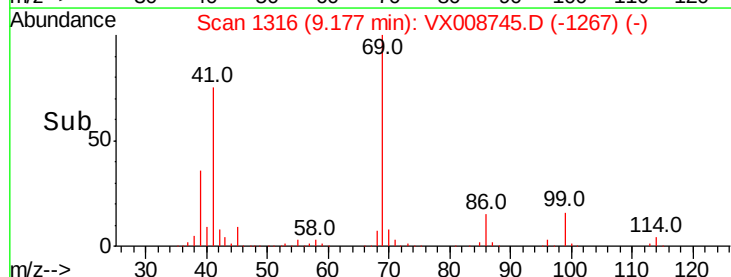


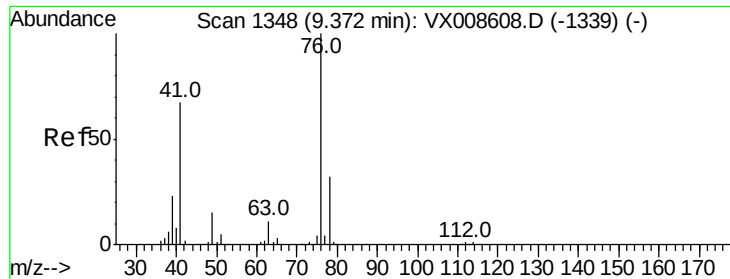
Abundance

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





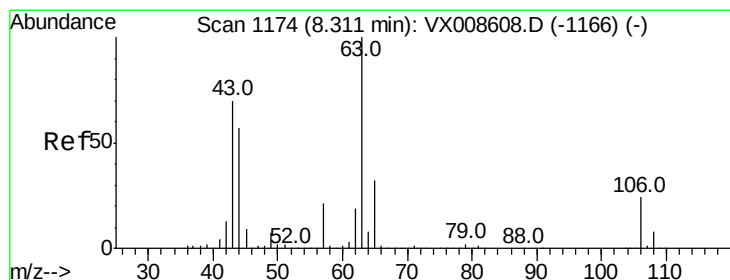
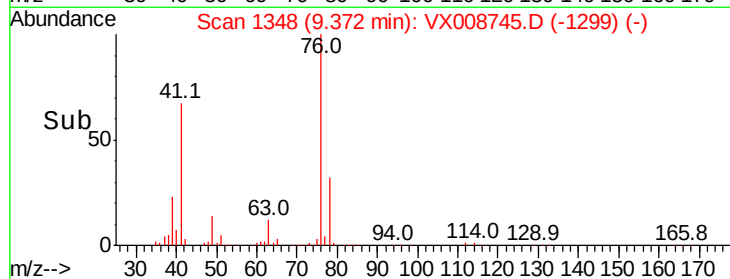
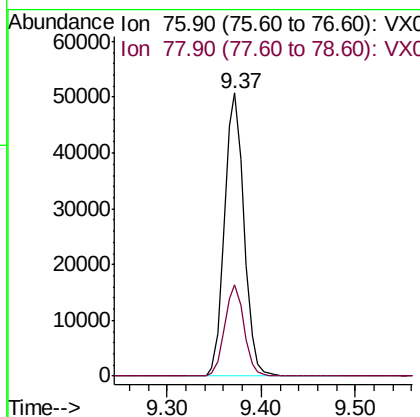
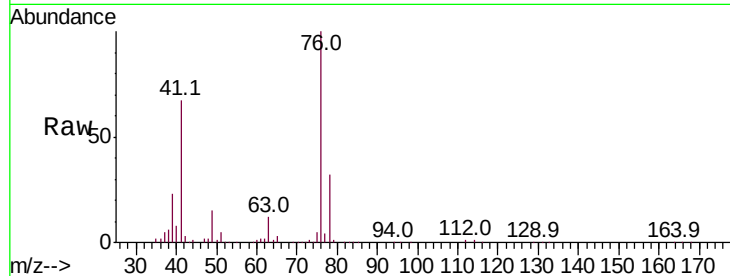
#57
 1,3-Dichloropropane
 Concen: 17.684 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.6	38.4

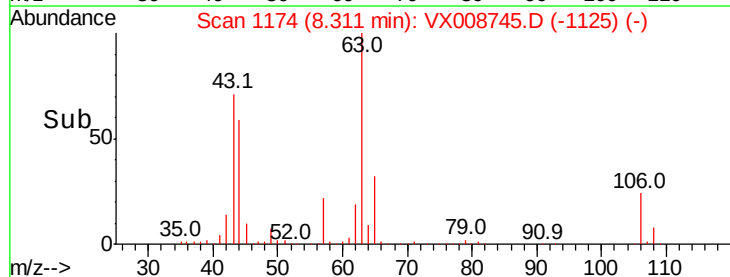
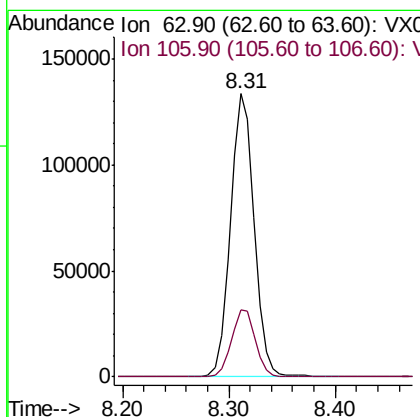
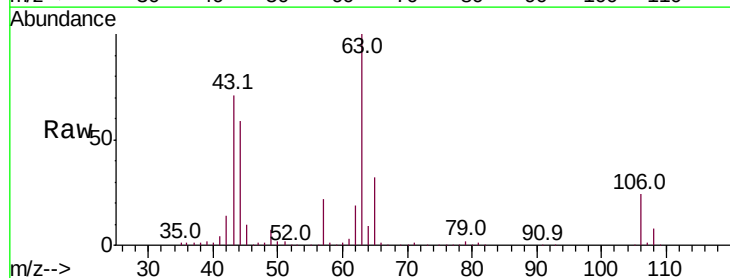
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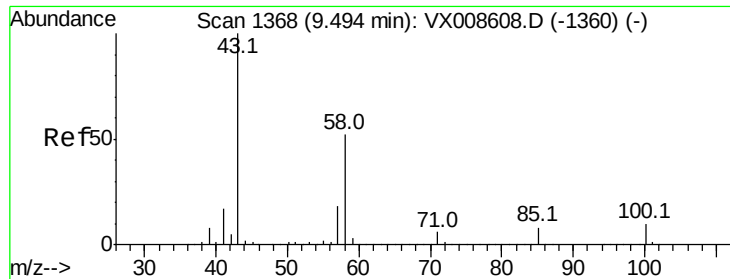
MMDadoda
 4/9/2019 1:49:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.479 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.1	19.0	28.6





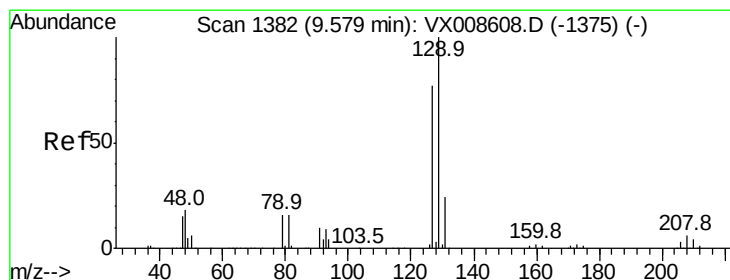
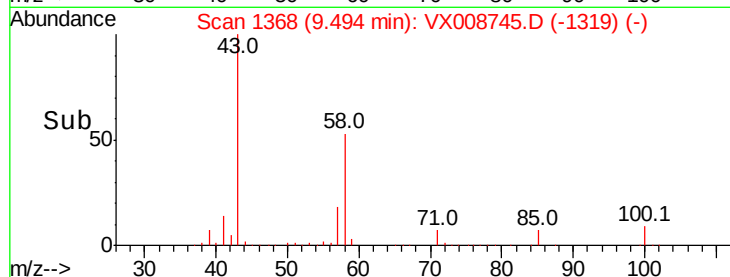
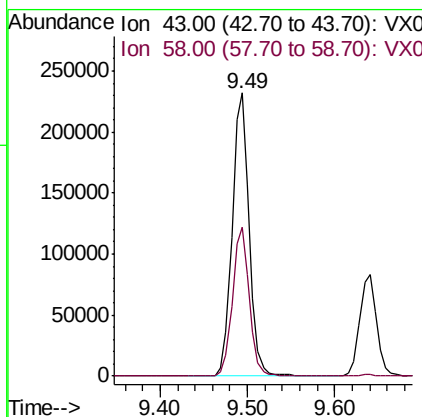
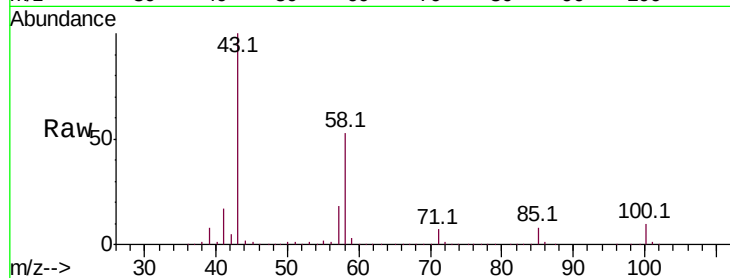
#59
2-Hexanone
Concen: 92.131 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion: 43 Resp: 313221
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.7

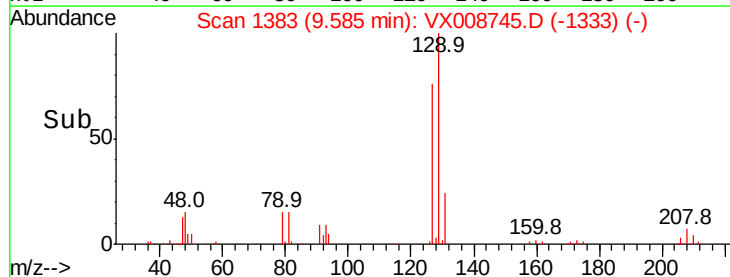
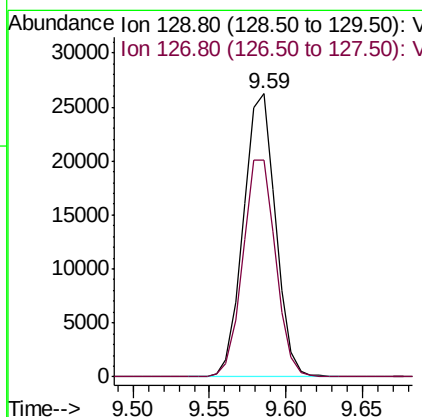
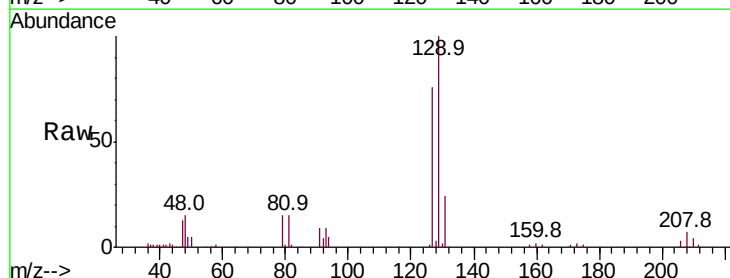
Manual Integrations
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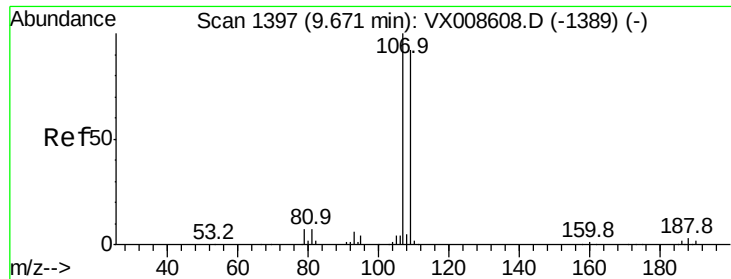
MMDadoda
4/9/2019 1:49:57 PM



#60
Dibromochloromethane
Concen: 17.704 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion: 129 Resp: 38225
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 17.272 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion:107 Resp: 41199

Ion Ratio Lower Upper

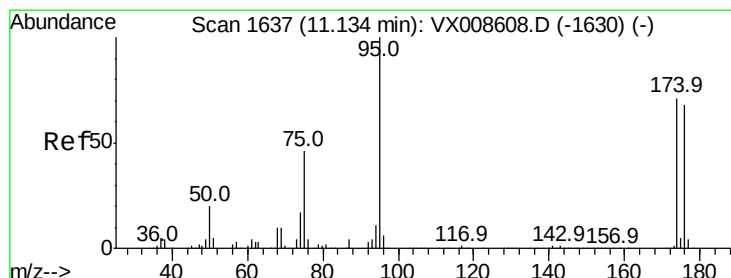
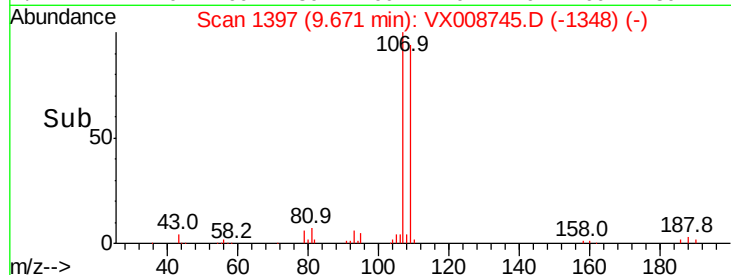
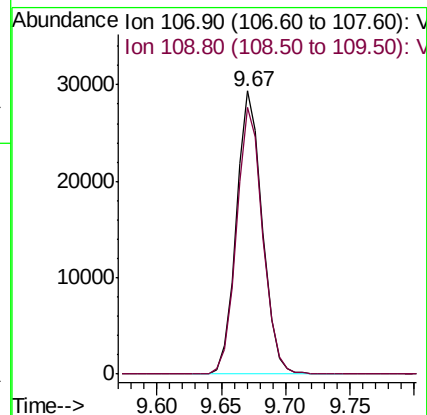
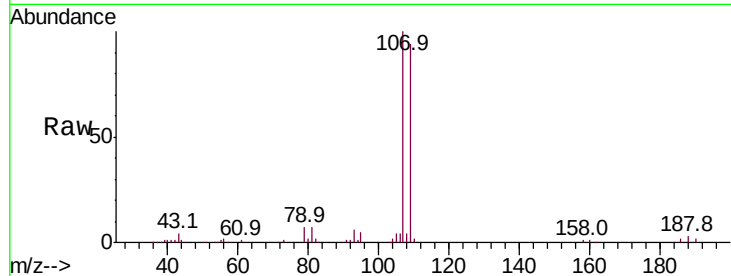
107 100

109 95.0 74.1 111.1

Manual Integrations
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MMDadoda

4/9/2019 1:49:57 PM



#62

4-Bromofluorobenzene

Concen: 46.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

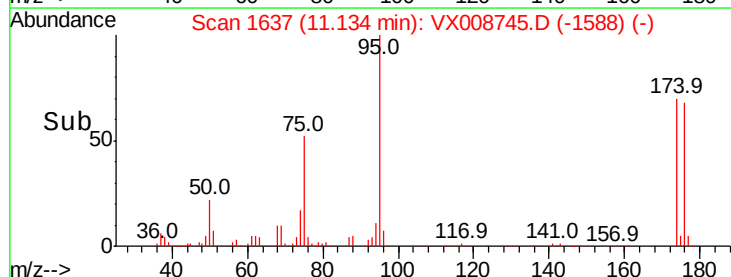
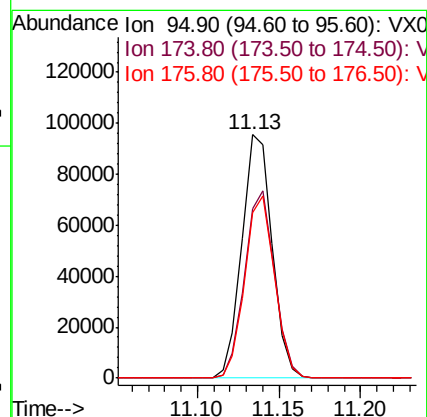
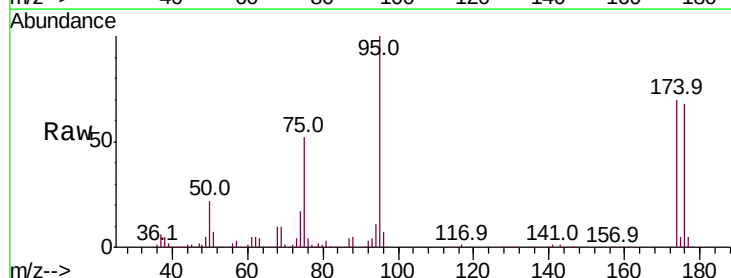
Tgt Ion: 95 Resp: 123554

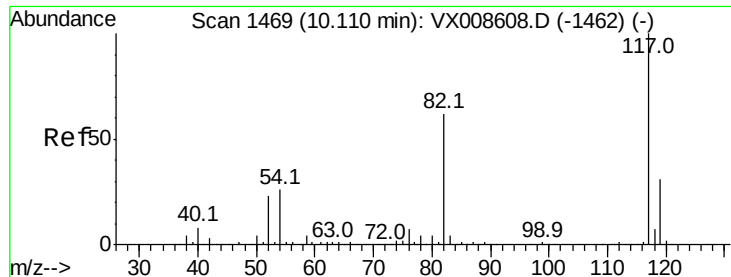
Ion Ratio Lower Upper

95 100

174 76.6 0.0 151.8

176 74.2 0.0 145.8





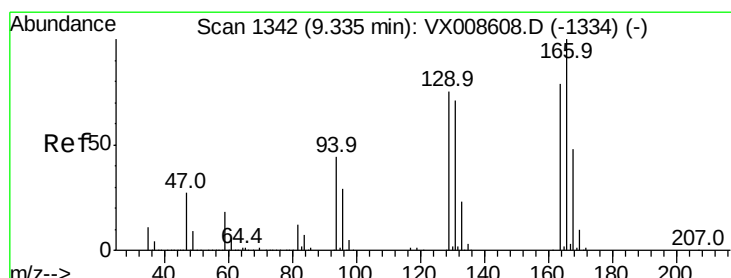
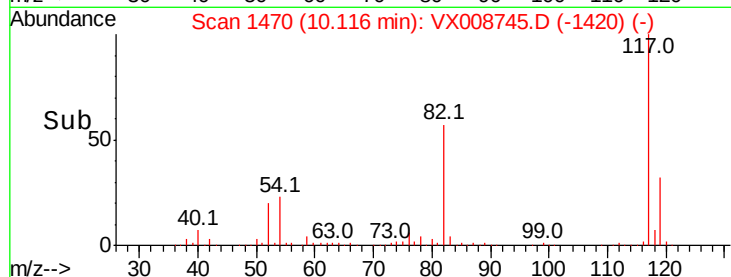
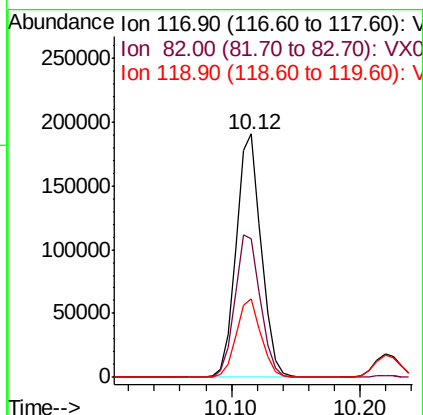
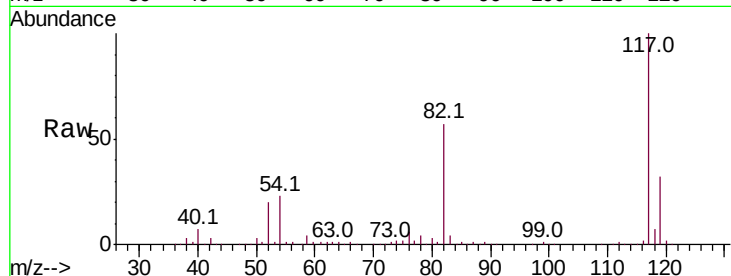
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	255885		
82	56.9	49.6	74.4	
119	32.1	25.0	37.4	

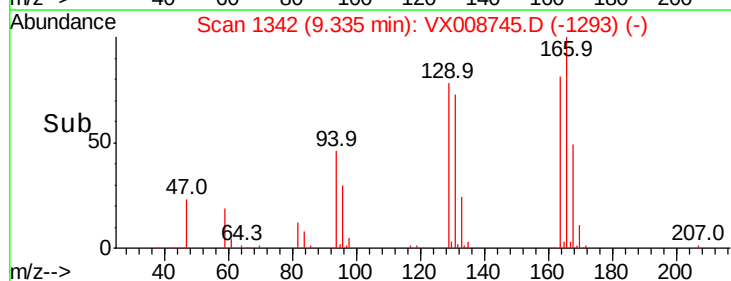
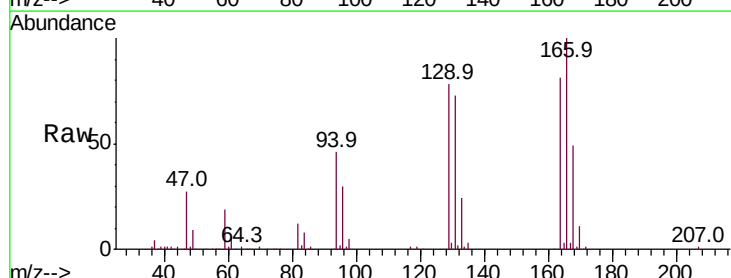
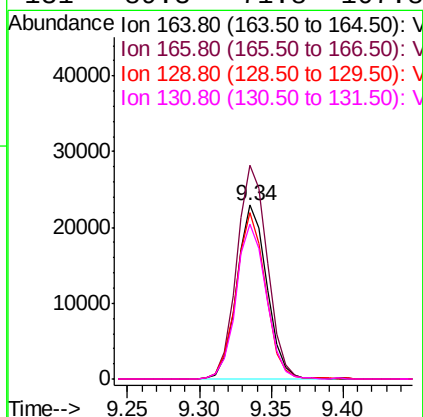
Manual Integrations
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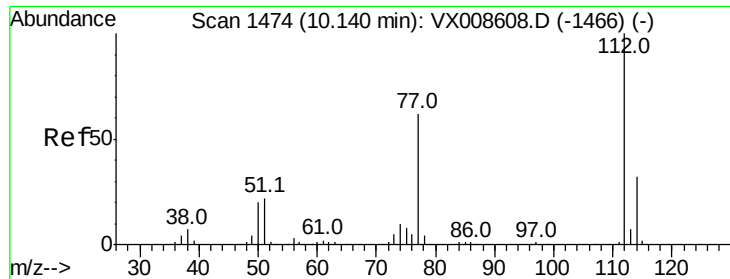
MMDadoda
4/9/2019 1:49:57 PM



#64
Tetrachloroethene
Concen: 17.527 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33228		
166	123.1	101.0	151.6	
129	96.1	75.8	113.8	
131	89.3	71.8	107.8	





#65

Chlorobenzene

Concen: 16.990 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion:112 Resp: 96371

Ion Ratio Lower Upper

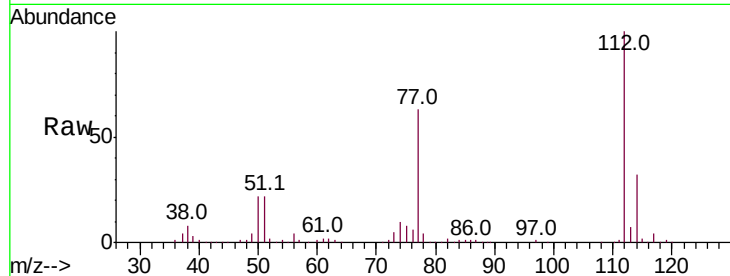
112 100

114 31.9 25.8 38.8

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

80000

60000

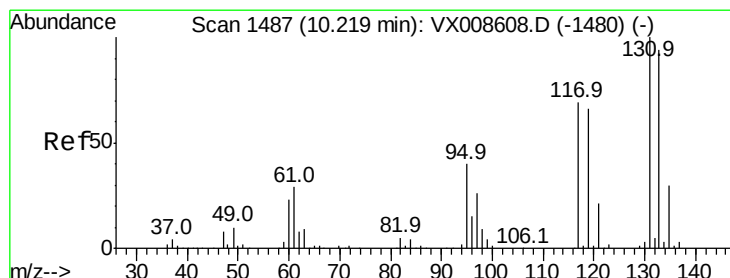
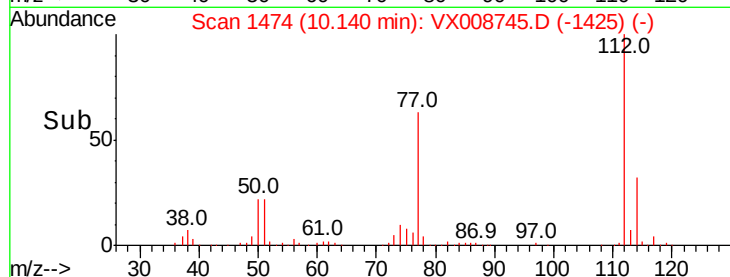
40000

20000

0

10.10 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 17.865 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

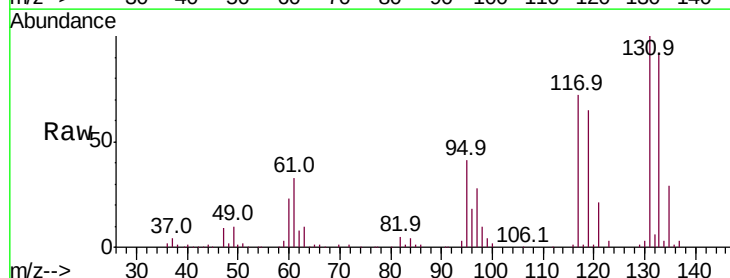
Tgt Ion:131 Resp: 35549

Ion Ratio Lower Upper

131 100

133 94.6 47.0 141.2

119 67.1 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

30000

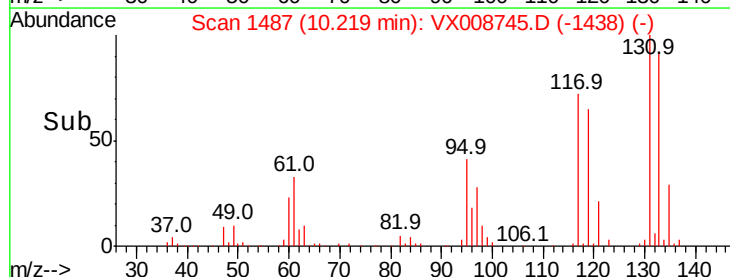
20000

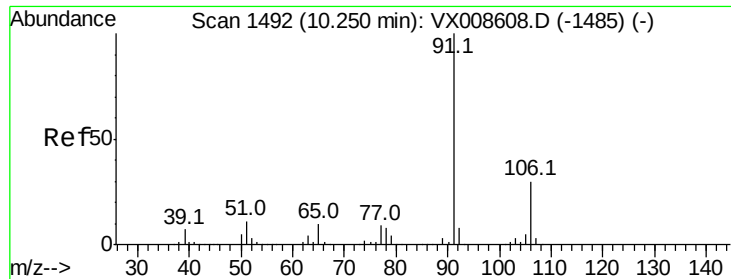
10000

0

10.15 10.20 10.25

Time-->





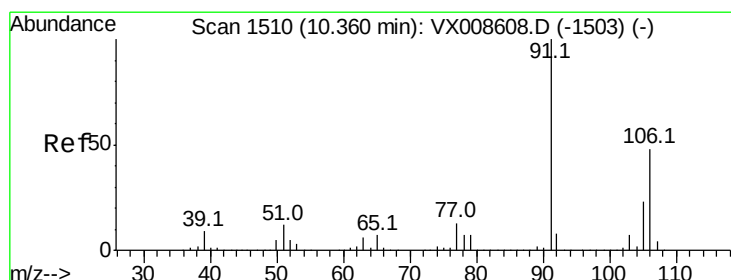
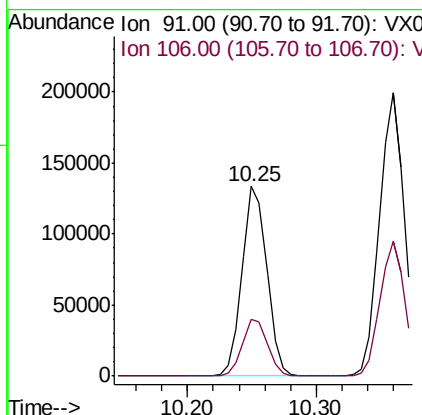
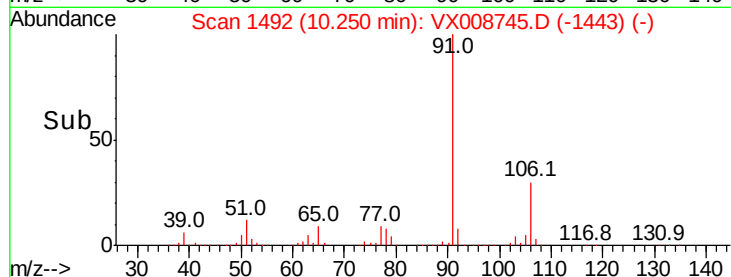
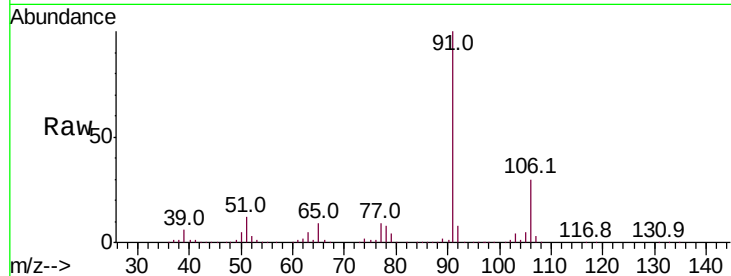
#67
Ethyl Benzene
Concen: 16.816 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion: 91 Resp: 177860
Ion Ratio Lower Upper
91 100
106 29.8 23.7 35.5

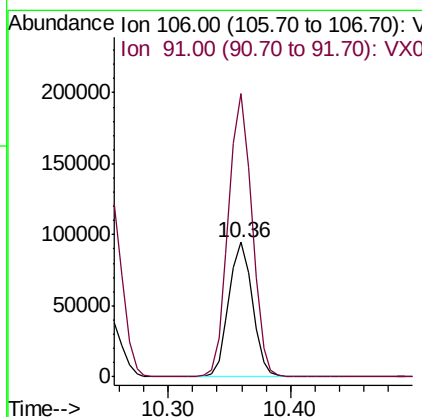
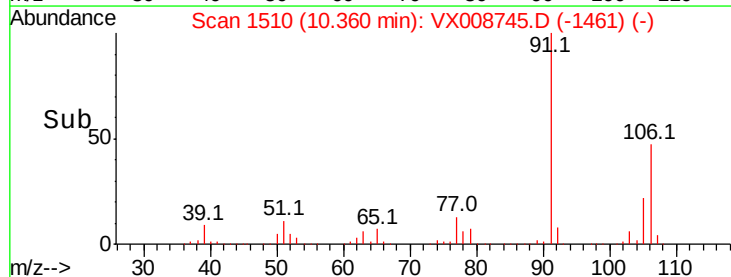
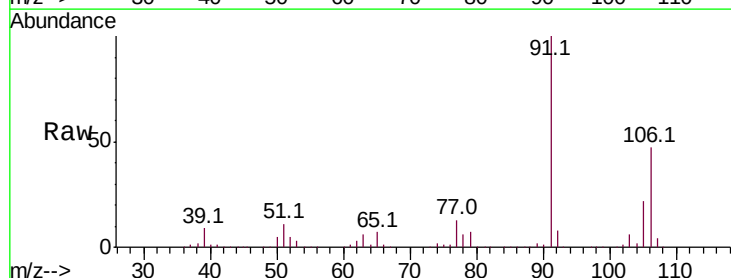
Manual Integrations
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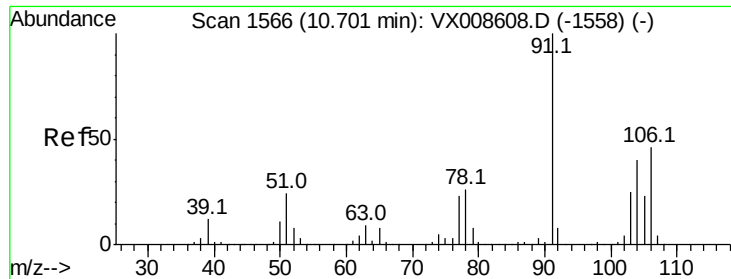
MMDadoda
4/9/2019 1:49:57 PM



#68
m/p-Xylenes
Concen: 33.545 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion: 106 Resp: 127568
Ion Ratio Lower Upper
106 100
91 209.1 168.5 252.7





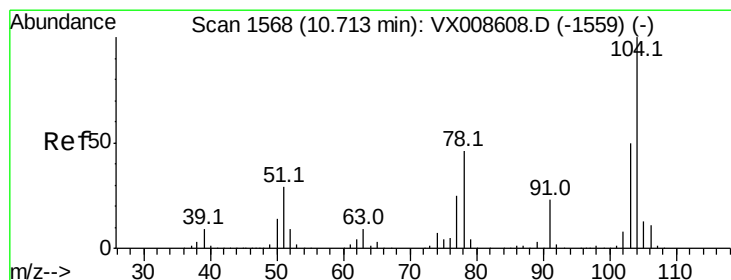
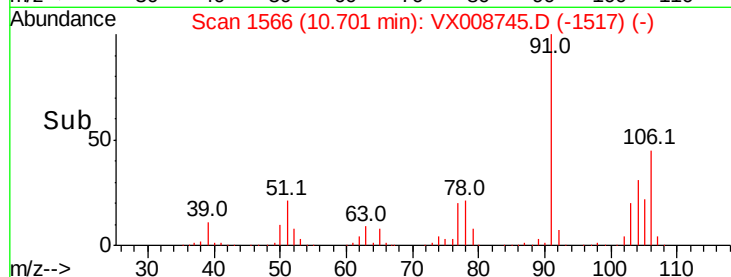
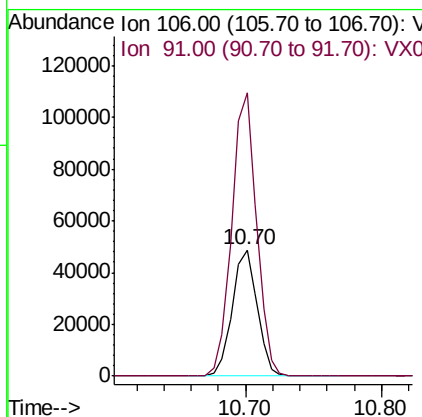
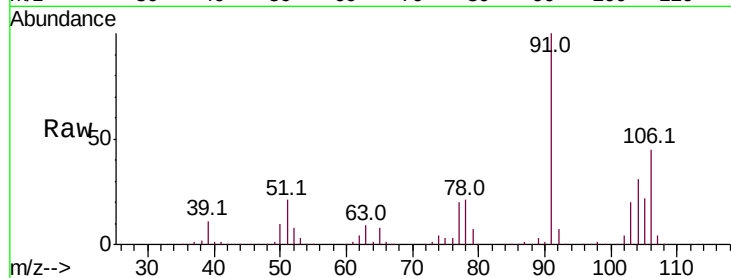
#69
o-Xylene
Concen: 16.877 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion:106 Resp: 62201
Ion Ratio Lower Upper
106 100
91 223.3 111.5 334.4

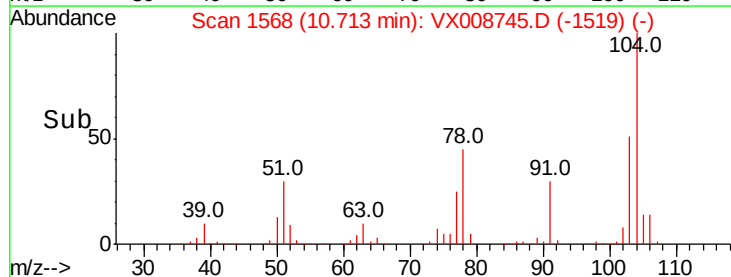
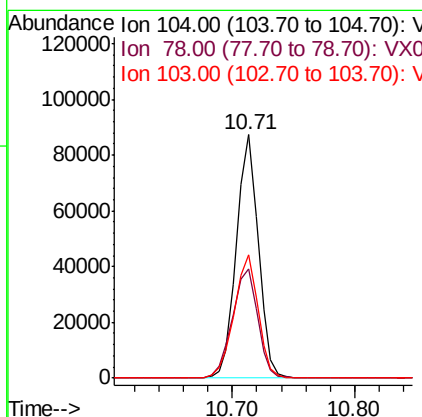
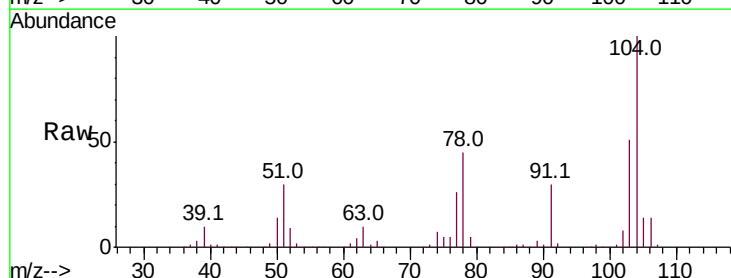
Manual Integrations
APPROVED

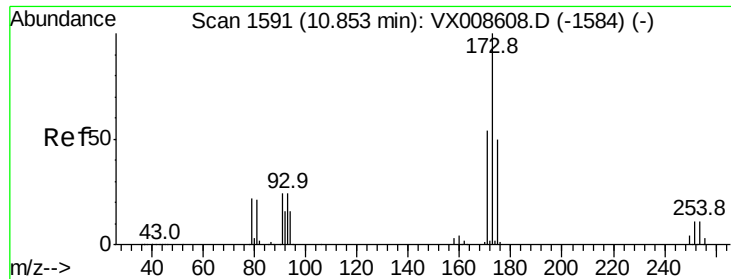
MMDadoda
4/9/2019 1:49:57 PM



#70
Styrene
Concen: 17.004 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion:104 Resp: 108023
Ion Ratio Lower Upper
104 100
78 52.1 42.3 63.5
103 55.7 44.4 66.6





#71

Bromoform

Concen: 17.893 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampled :

VX0408MBS01

Tot Ion:173 Resp: 27194

Ion Ratio Lower Upper

173 100

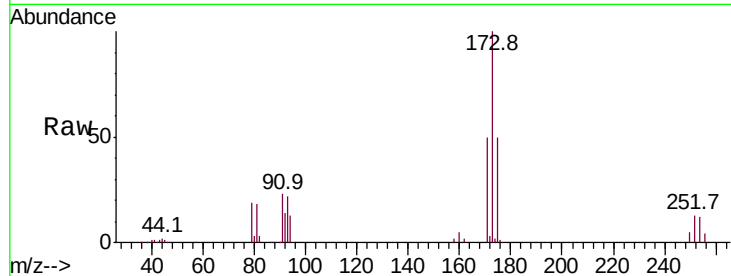
175 48.1 24.9 74.6

254 0.0 0.1 0.1#

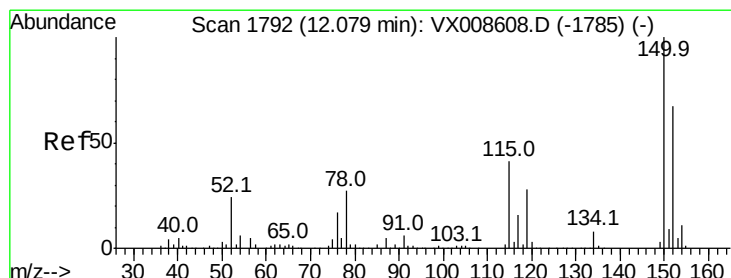
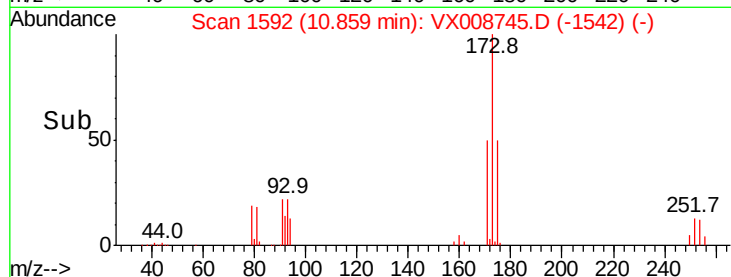
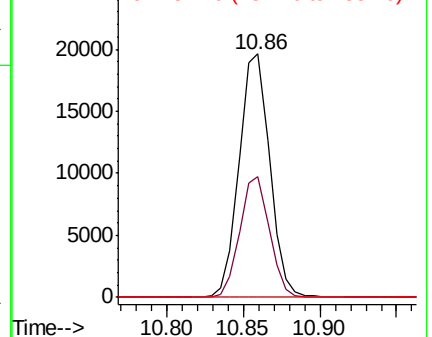
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

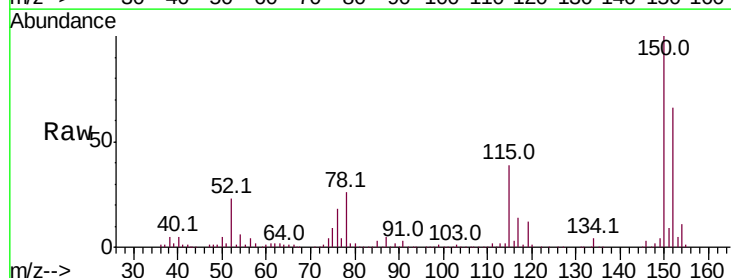
Tgt Ion:152 Resp: 113257

Ion Ratio Lower Upper

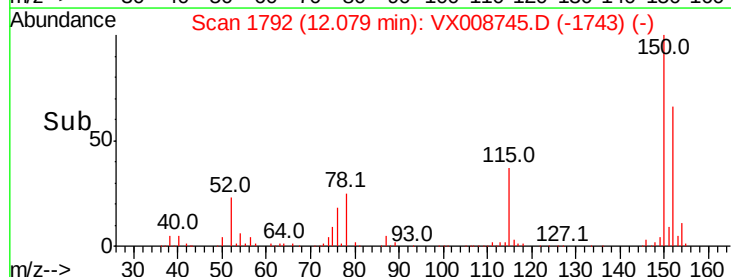
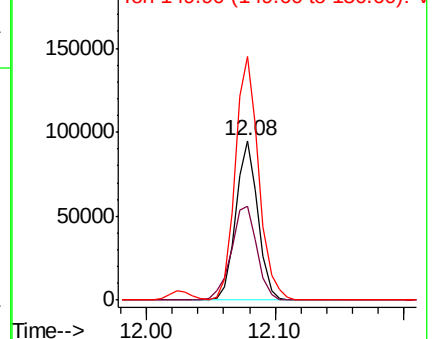
152 100

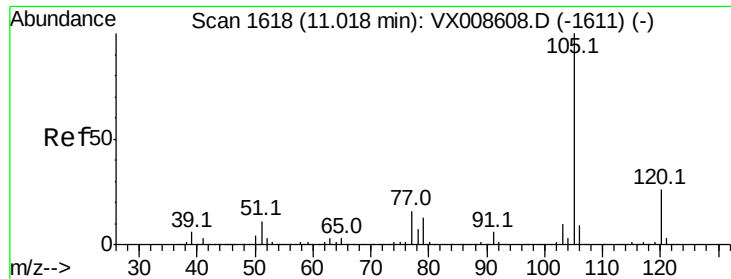
115 69.1 43.5 130.5

150 163.1 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





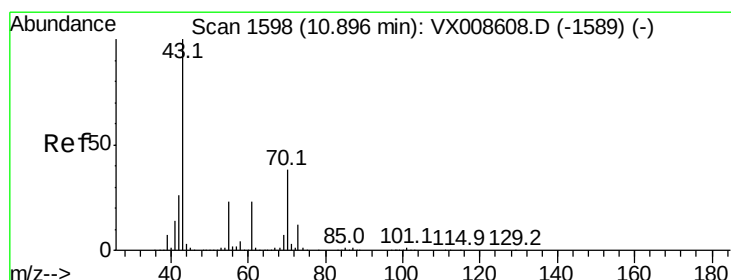
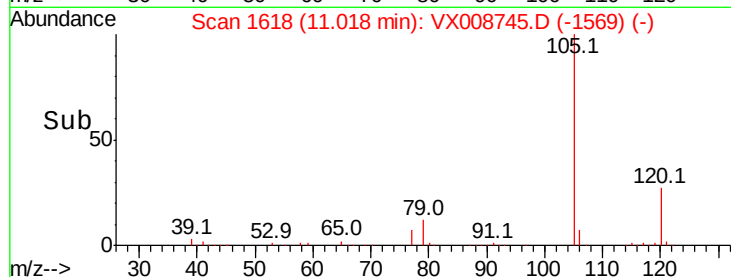
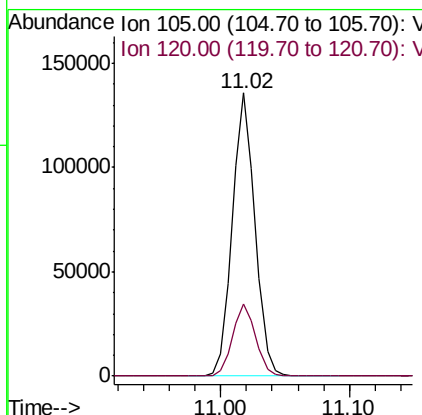
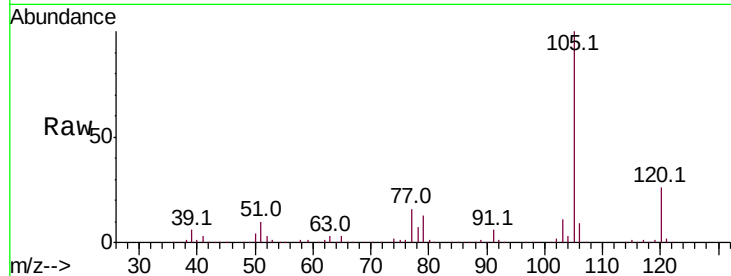
#73
Isopropylbenzene
Concen: 17.789 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion: 105 Resp: 166966
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.6

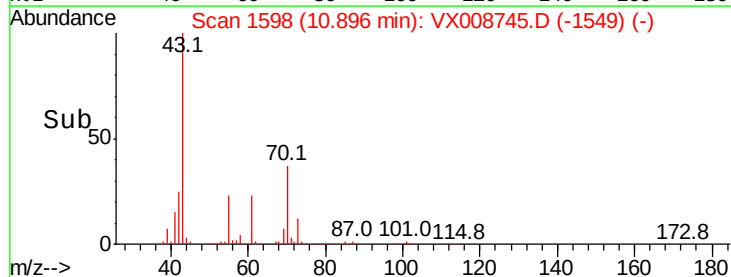
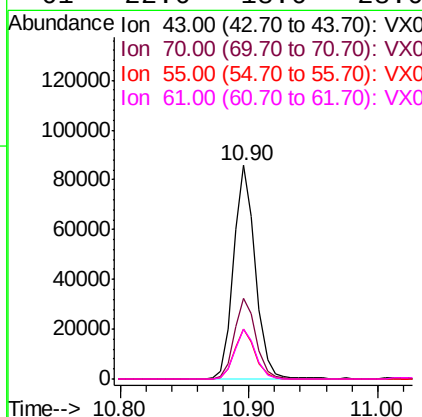
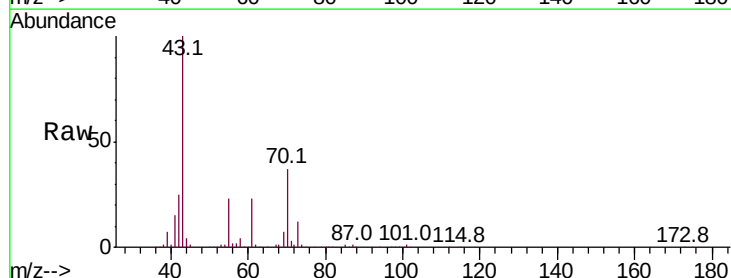
Manual Integrations
APPROVED

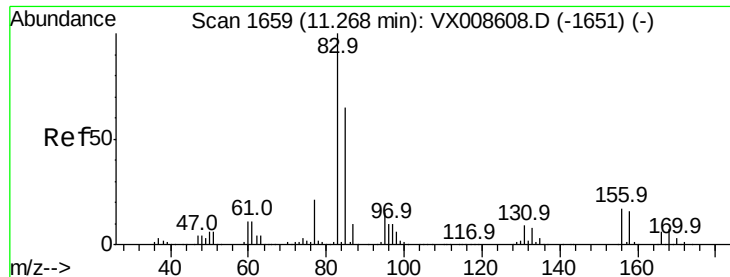
MMDadoda
4/9/2019 1:49:57 PM



#74
N-ethyl acetate
Concen: 18.179 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion: 43 Resp: 100389
Ion Ratio Lower Upper
43 100
70 37.9 30.2 45.4
55 23.2 18.2 27.4
61 22.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.701 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

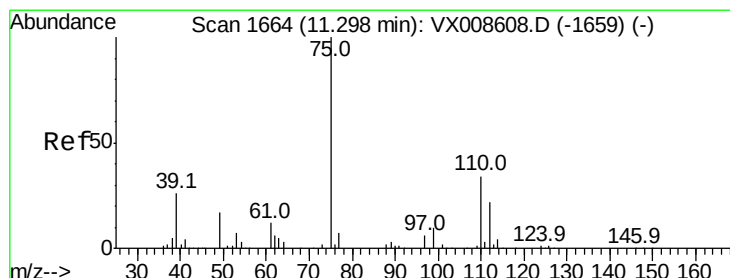
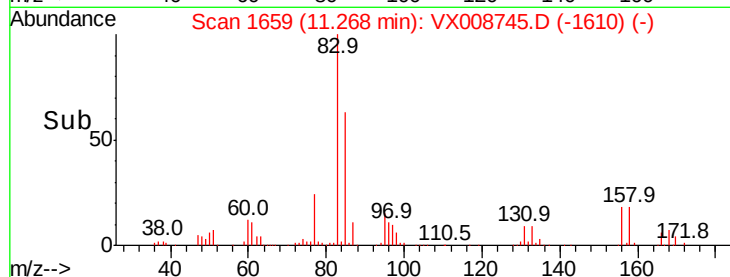
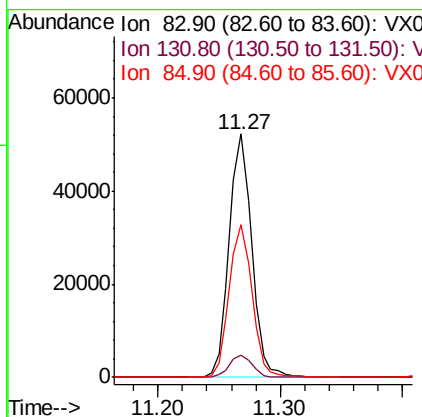
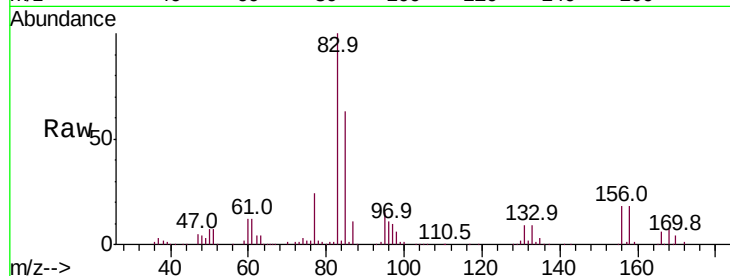
ClientSampleId :

VX0408MBS01

Tot Ion:	83	Resp:	66756
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.7
85	63.8	32.0	96.2

Manual Integrations
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4/9/2019 1:49:57 PM



#76

1,2,3-Trichloropropane

Concen: 20.866 ug/l m

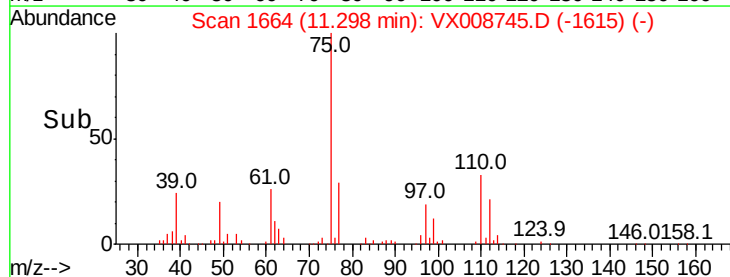
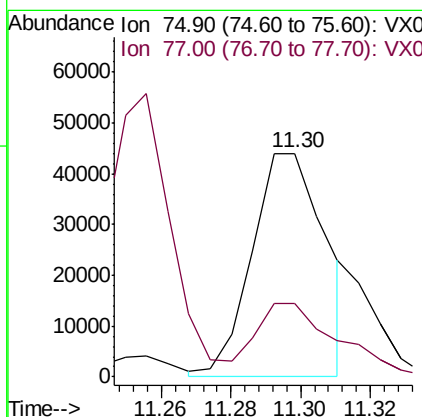
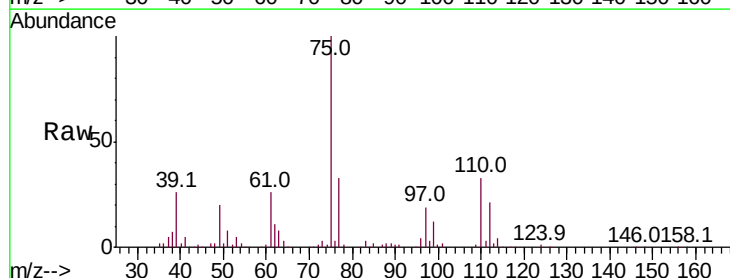
RT: 11.30 min Scan# 1664

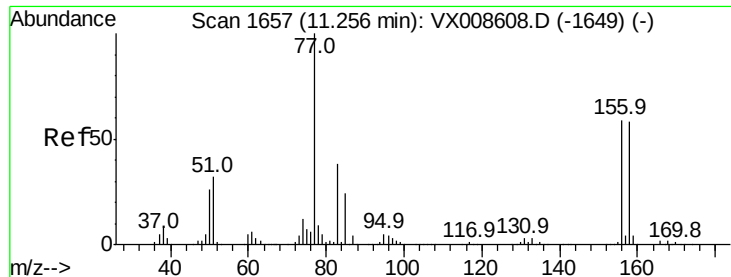
Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Tgt Ion:	75	Resp:	64919
Ion Ratio	Lower	Upper	
75	100		
77	36.6	22.3	66.8





#77

Bromobenzene

Concen: 17.767 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion:156 Resp: 40089

Ion Ratio Lower Upper

156 100

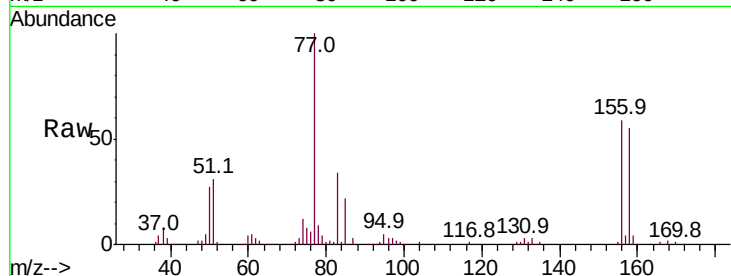
77 179.0 89.8 269.6

158 97.0 48.6 145.9

Manual Integrations
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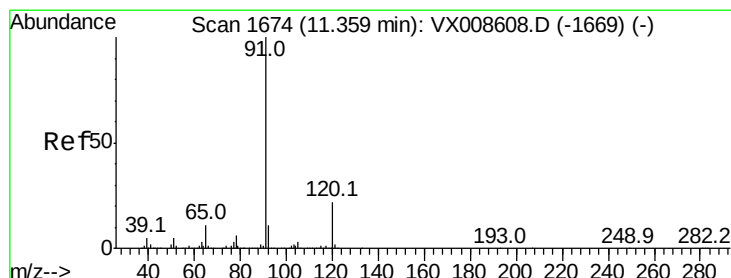
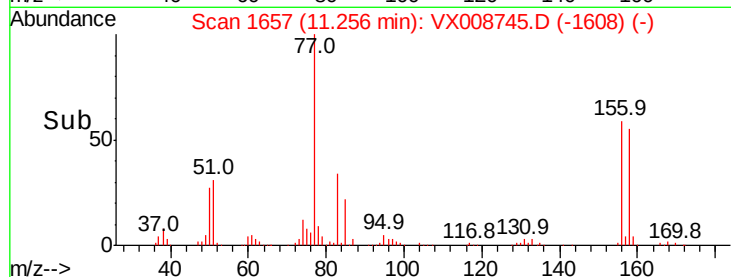
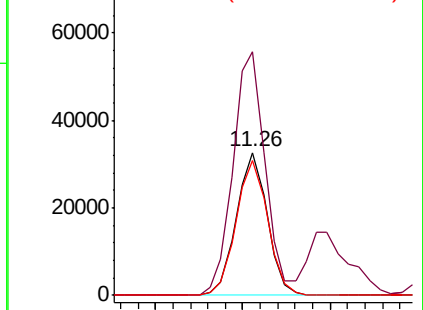
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.086 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008745.D

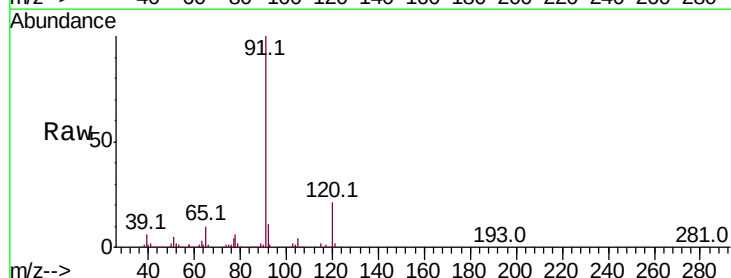
Acq: 08 Apr 2019 15:14

Tgt Ion: 91 Resp: 186727

Ion Ratio Lower Upper

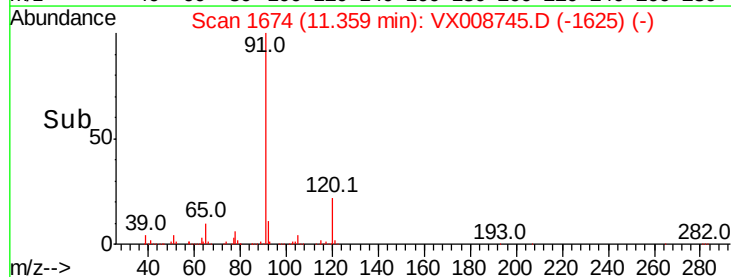
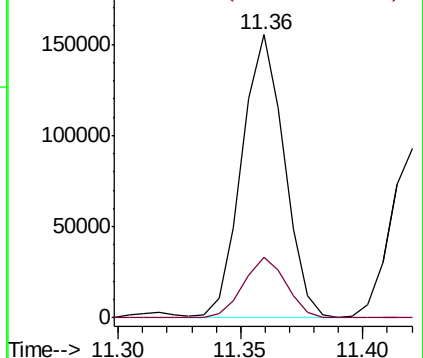
91 100

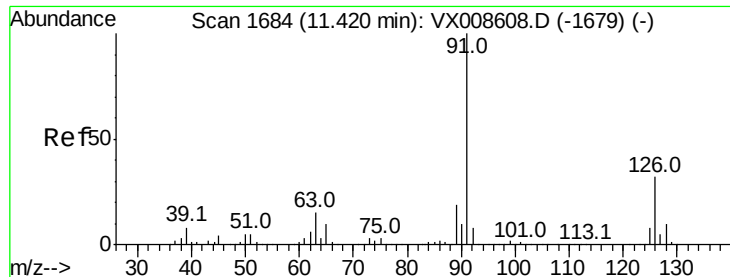
120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.196 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion: 91 Resp: 113726

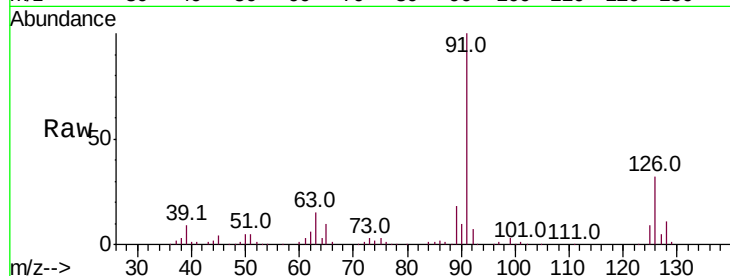
Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.3

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

Ion 125.90 (125.60 to 126.60): VX008608.D (-1679) (-)

150000

100000

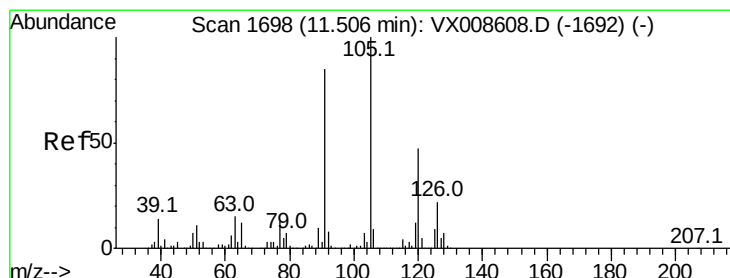
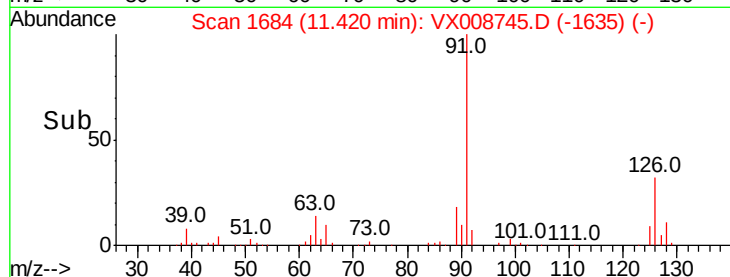
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.720 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008745.D

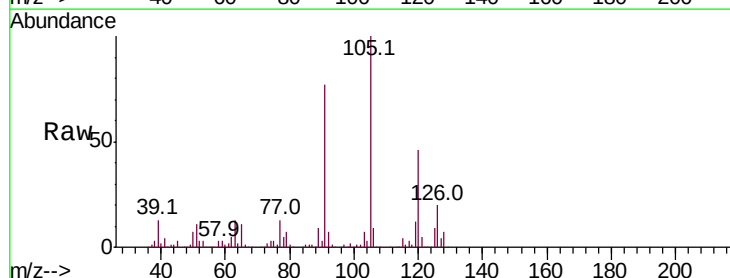
Acq: 08 Apr 2019 15:14

Tgt Ion: 105 Resp: 139607

Ion Ratio Lower Upper

105 100

120 47.2 23.5 70.6



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

Ion 120.00 (119.70 to 120.70): VX008608.D (-1692) (-)

100000

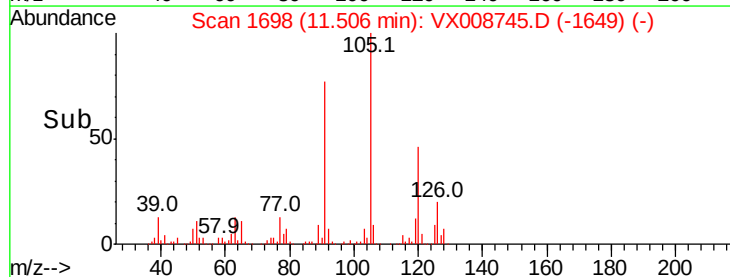
50000

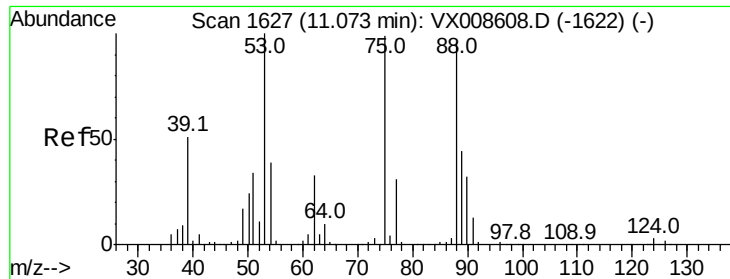
0

11.51

11.60

Time-->





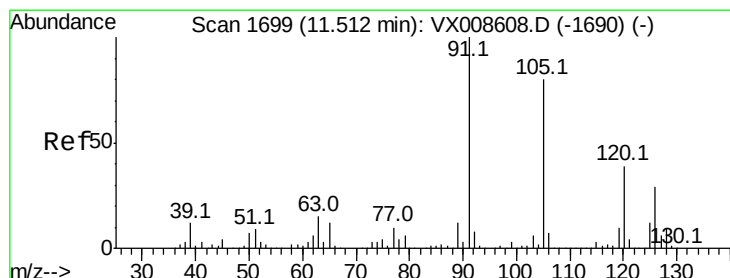
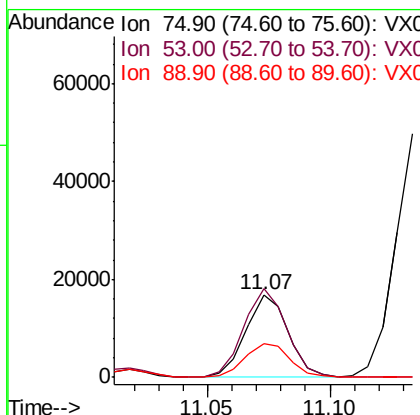
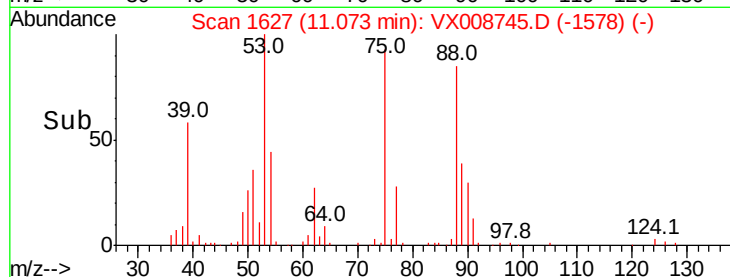
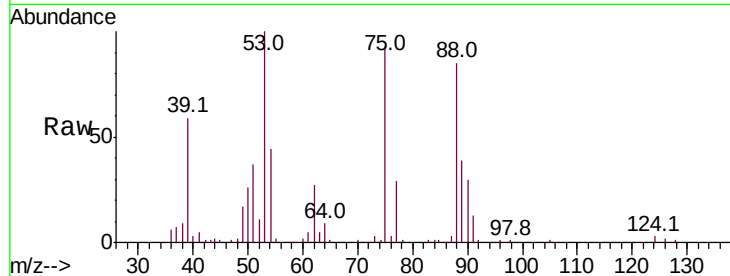
#81
trans-1,4-Dichloro-2-butene
Concen: 18.200 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion: 75 Resp: 20542
Ion Ratio Lower Upper
75 100
53 108.5 81.3 121.9
89 43.4 35.6 53.4

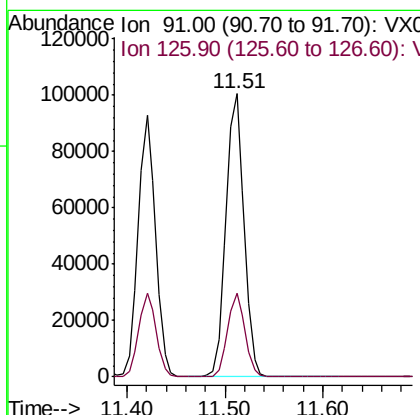
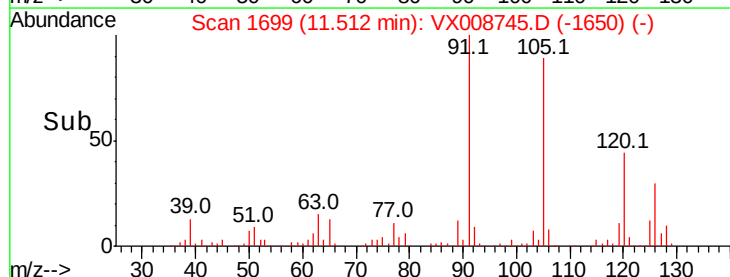
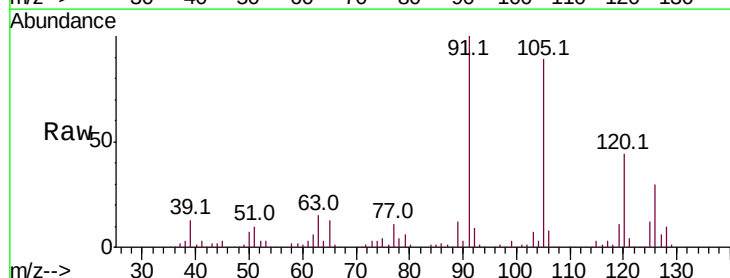
Manual Integrations
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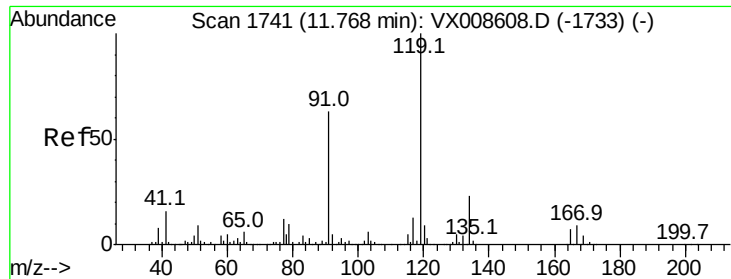
MMDadoda
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#82
4-Chlorotoluene
Concen: 16.846 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion: 91 Resp: 128961
Ion Ratio Lower Upper
91 100
126 28.7 13.9 41.6





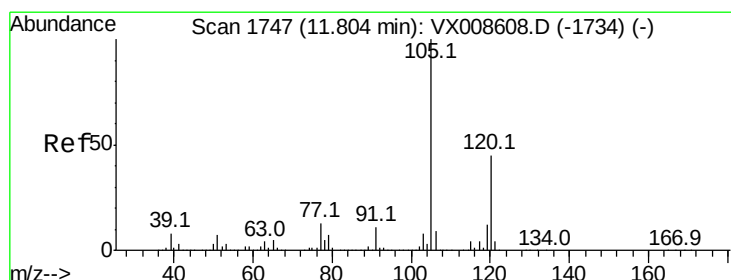
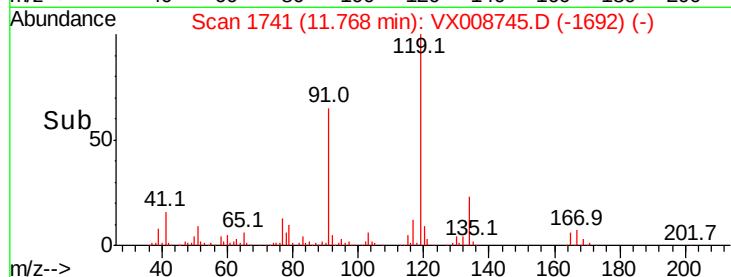
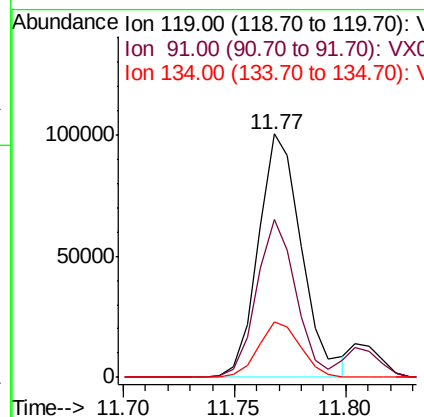
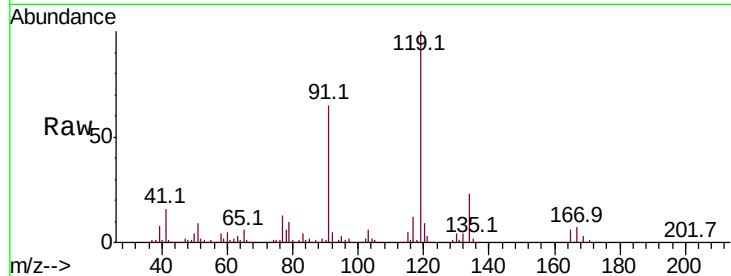
#83
 tert-Butylbenzene
 Concen: 17.956 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0408MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	136105		
91	58.9	30.0	90.1	
134	22.0	11.1	33.3	

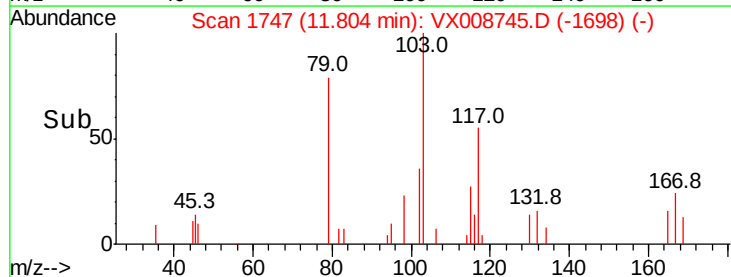
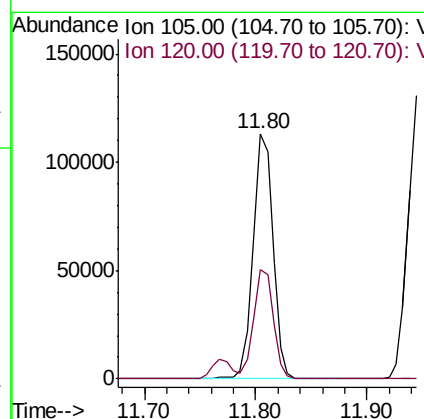
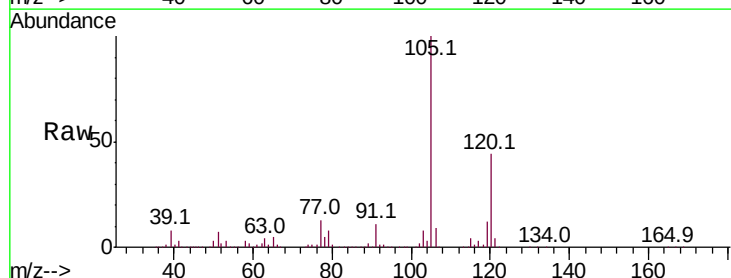
Manual Integrations
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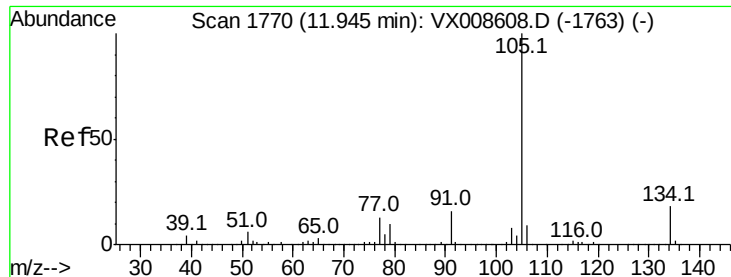
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.696 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	141175		
120	43.9	21.8	65.3	





#85

sec-Butylbenzene

Concen: 17.415 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

VX0408MBS01

Tot Ion:105 Resp: 156801

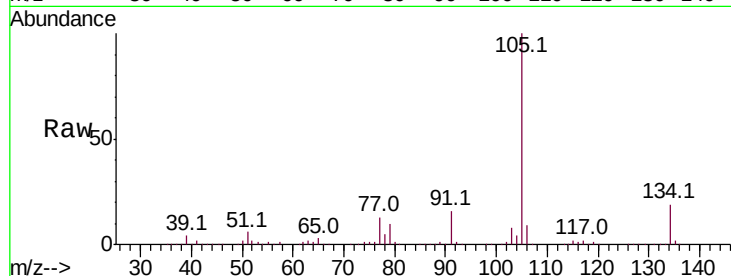
Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

150000

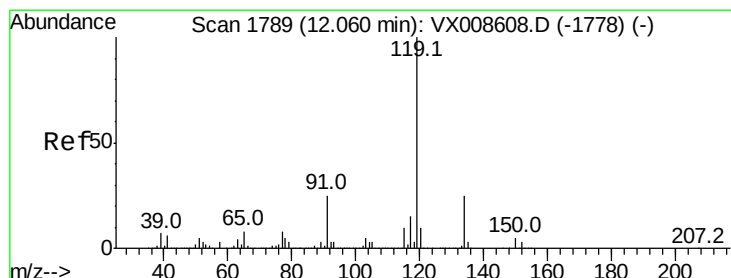
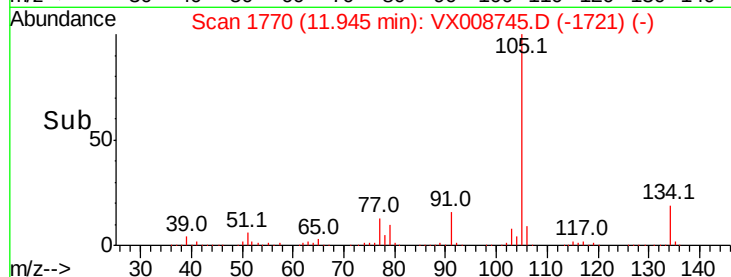
100000

50000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 17.217 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008745.D

Acq: 08 Apr 2019 15:14

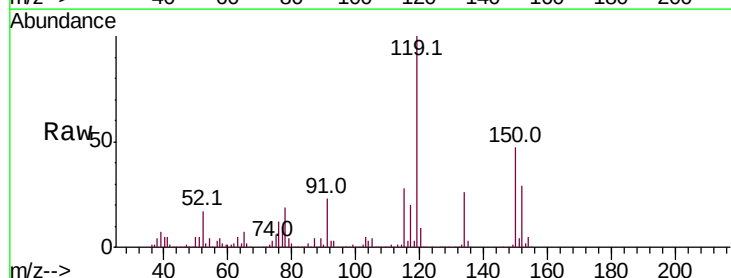
Tgt Ion:119 Resp: 139131

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.4 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

150000

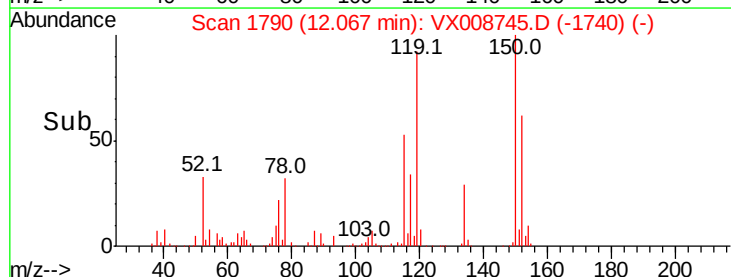
100000

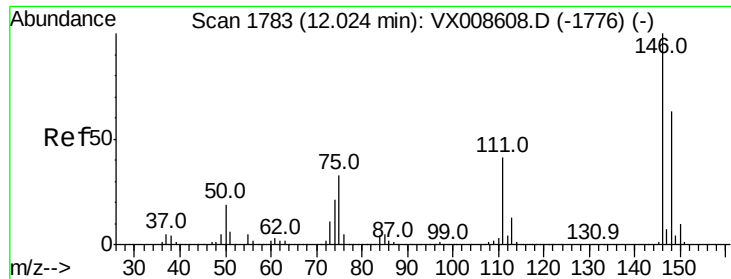
50000

0

12.00 12.10 12.20

Time-->





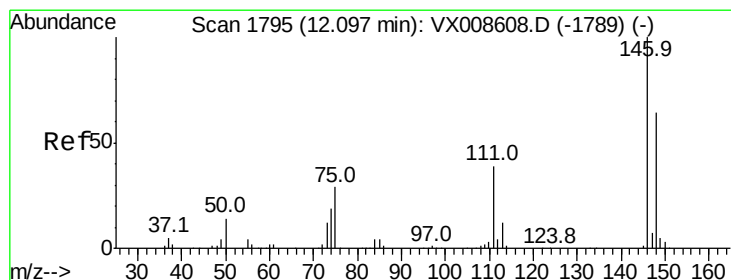
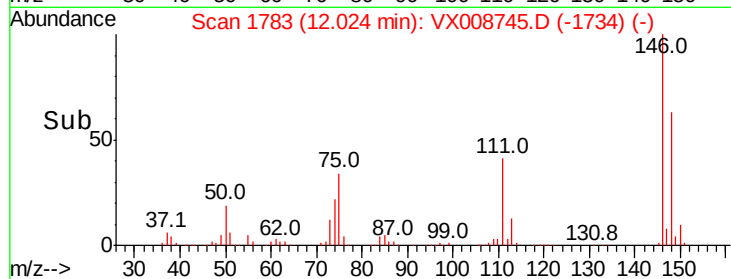
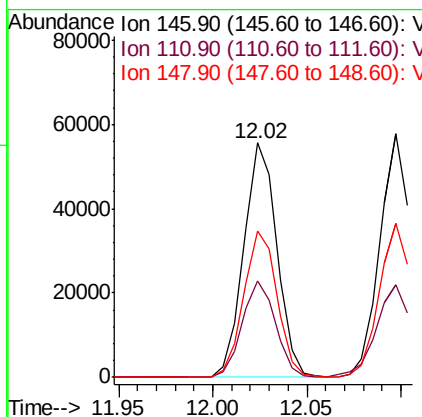
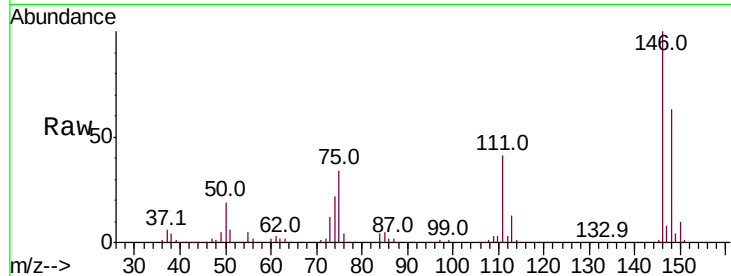
#87
 1,3-Dichlorobenzene
 Concen: 16.871 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	62.8	31.6	94.7

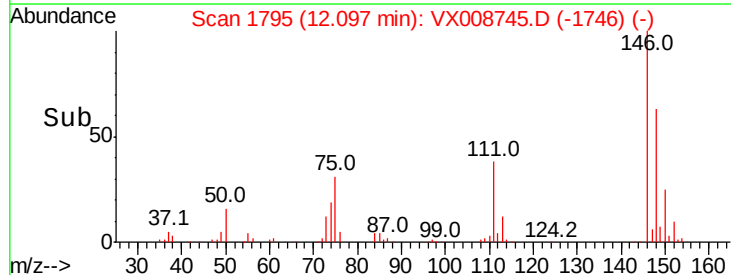
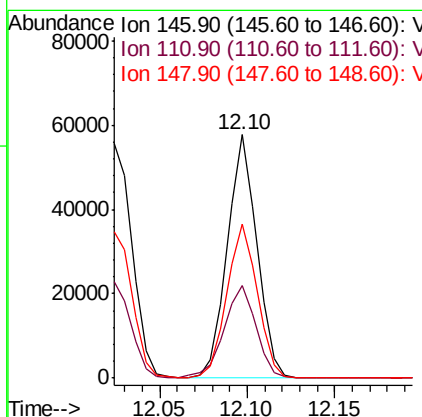
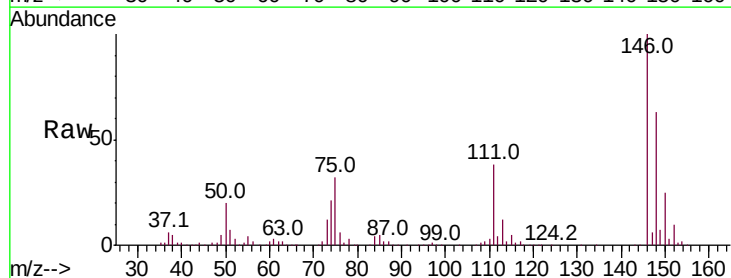
Manual Integrations
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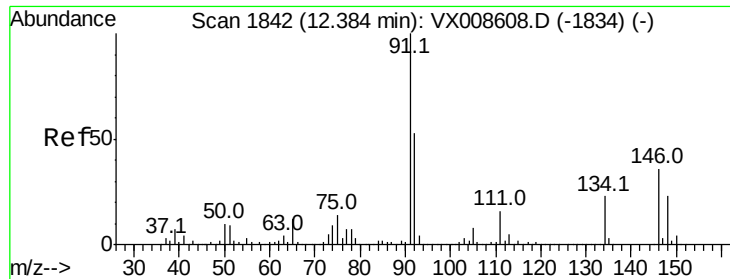
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 4/9/2019 1:49:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 16.642 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.6
148	65.3	32.0	96.0





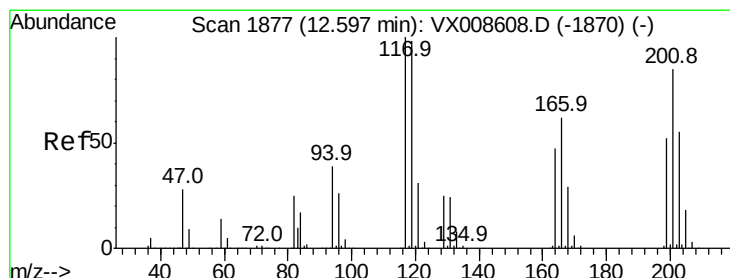
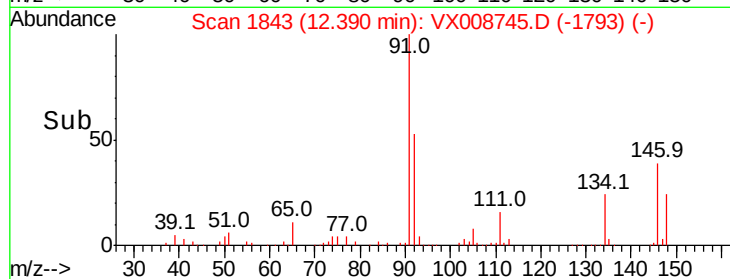
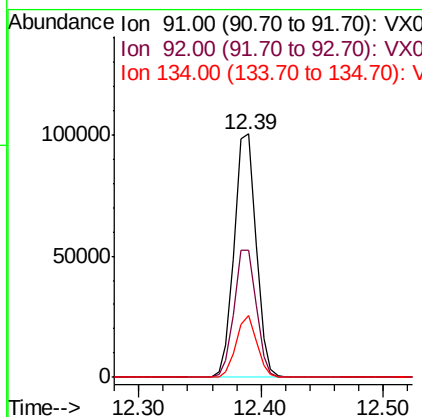
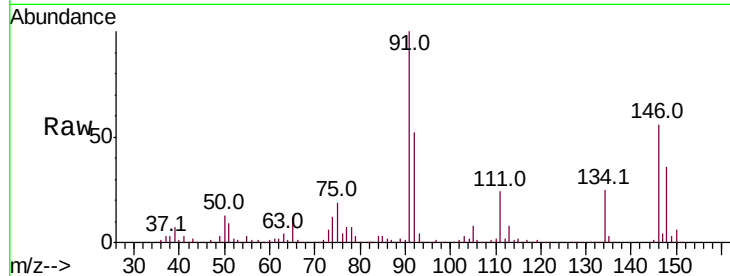
#89
n-Butylbenzene
Concen: 16.358 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	24.0	12.0	36.0

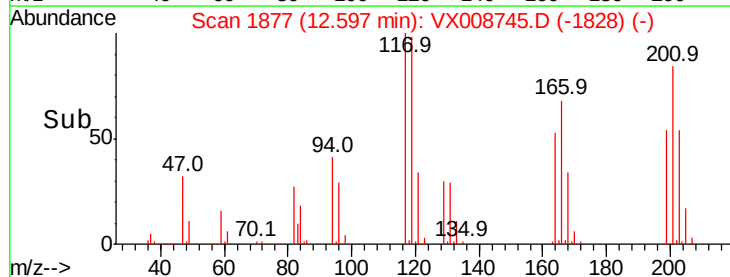
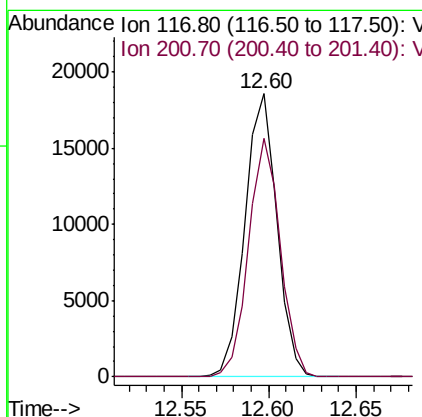
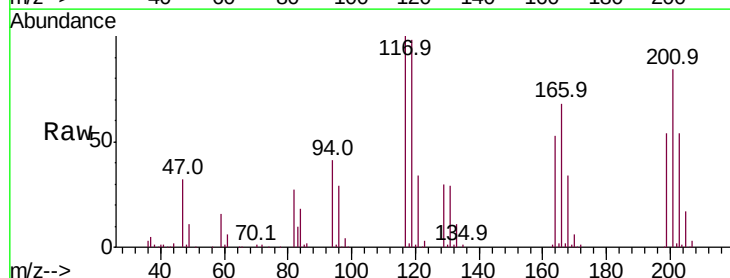
Manual Integrations
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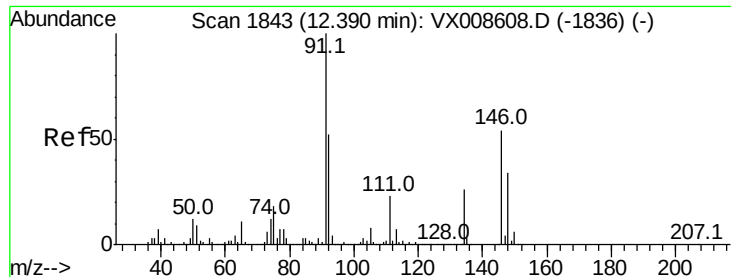
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#90
Hexachloroethane
Concen: 17.562 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	40.6	122.0





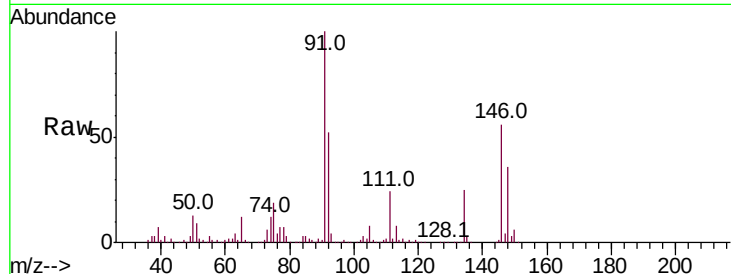
#91
 1,2-Dichlorobenzene
 Concen: 17.314 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

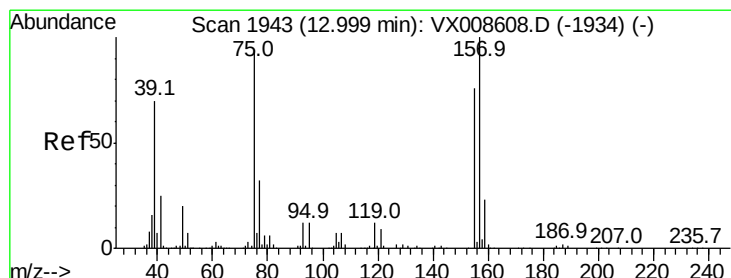
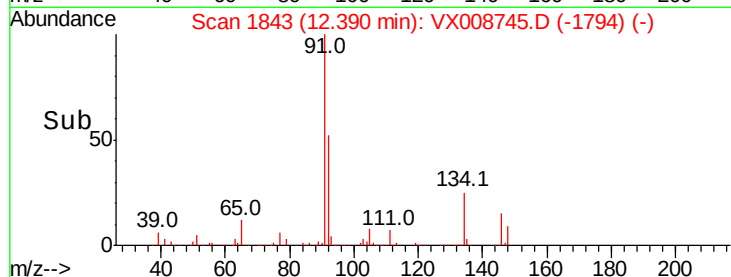
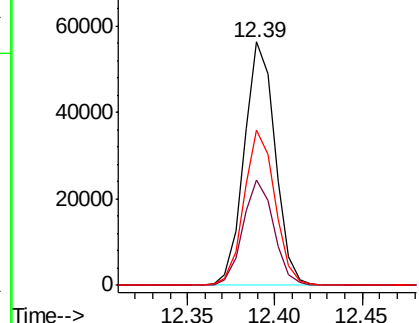
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	63.6	31.7	95.1

Manual Integrations
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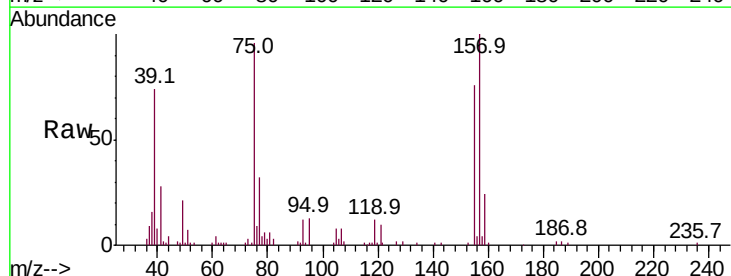


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

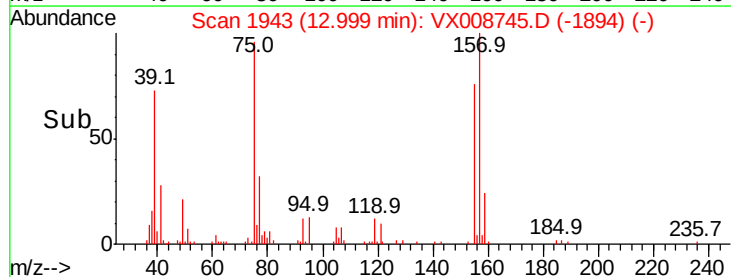
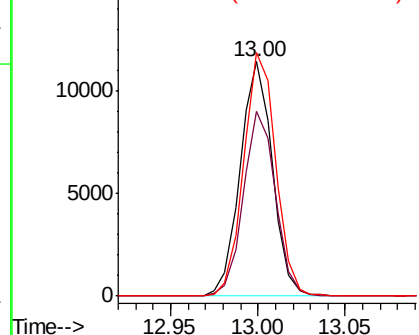


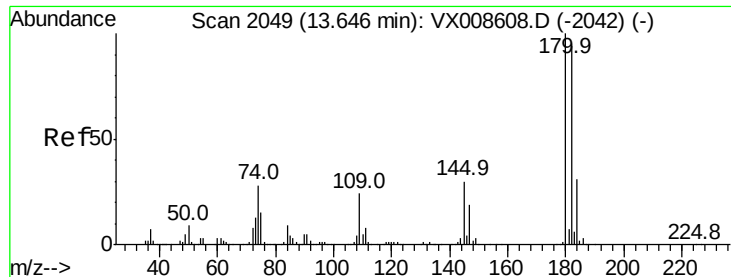
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.602 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.9	119.6
157	103.5	51.5	154.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





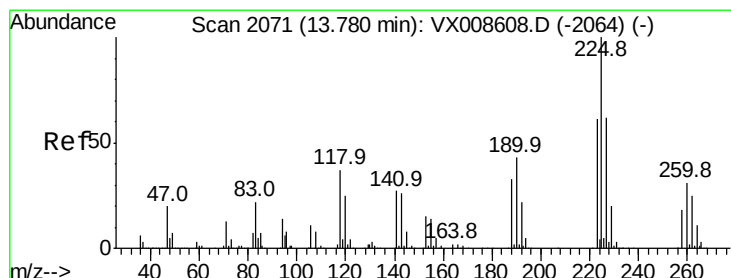
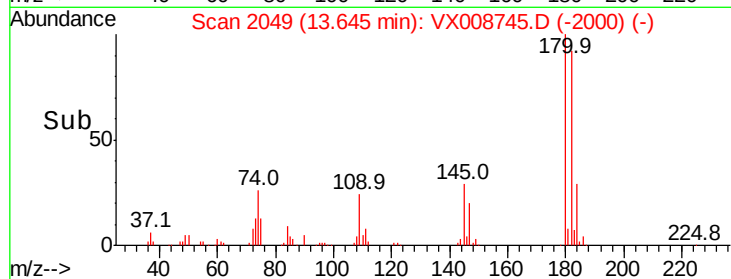
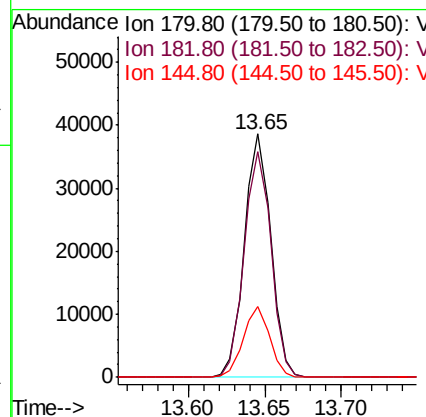
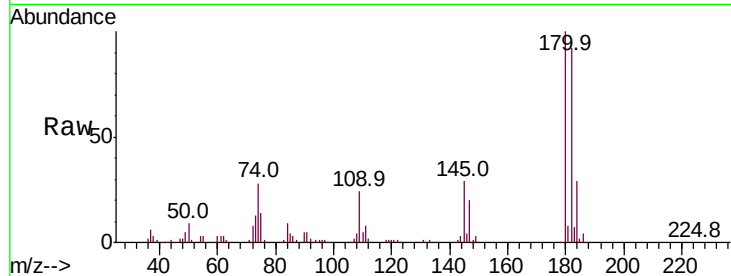
#93
 1,2,4-Trichlorobenzene
 Concen: 16.640 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408MBS01

Tot Ion:	180	Resp:	46402
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.2	141.6
145	29.0	15.3	45.9

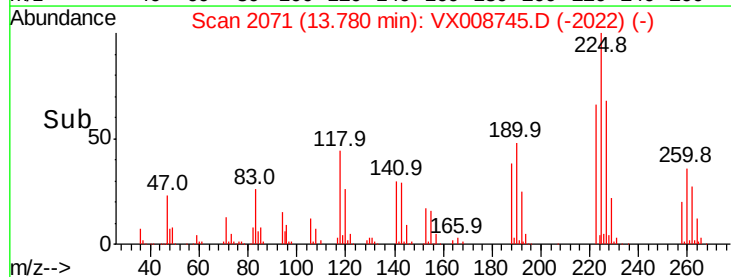
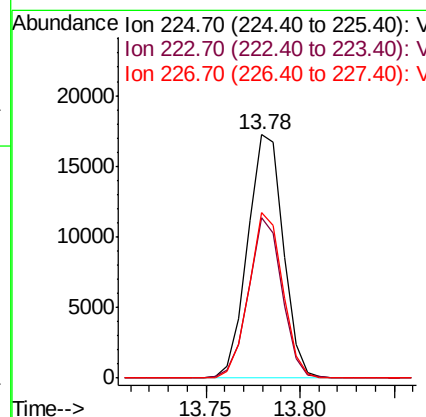
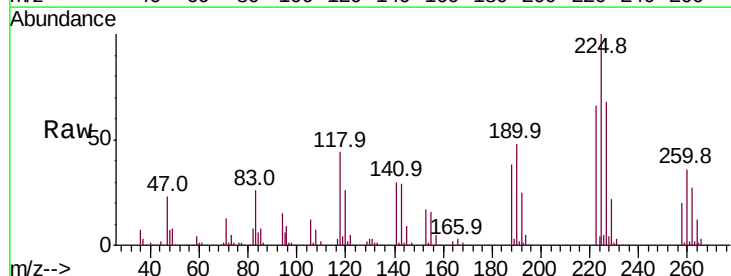
Manual Integrations
 APPROVED

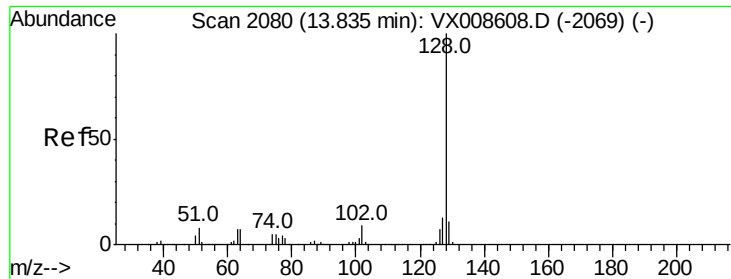
MMDadoda
 4/9/2019 1:49:57 PM



#94
 Hexachlorobutadiene
 Concen: 16.840 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008745.D
 Acq: 08 Apr 2019 15:14

Tgt Ion:	225	Resp:	22521
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.2	93.6
227	64.5	31.9	95.5





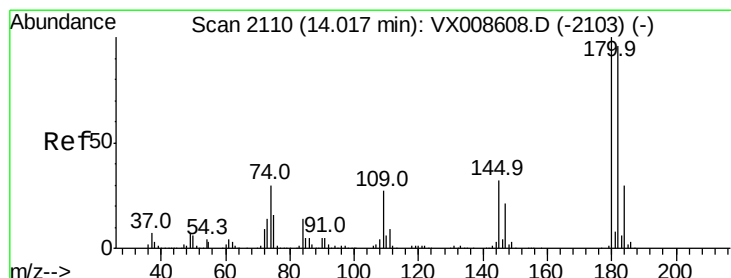
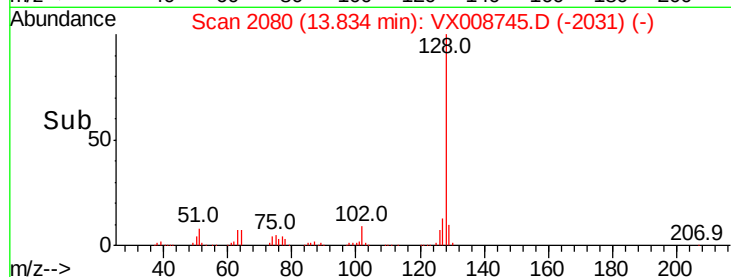
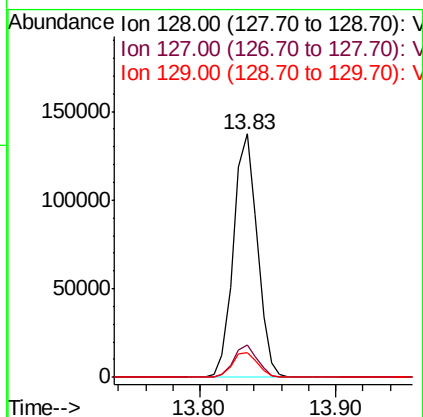
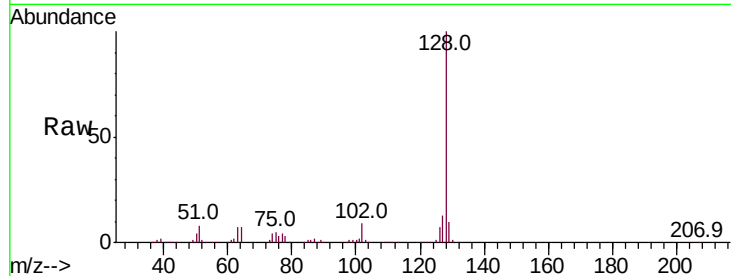
#95
Naphthalene
Concen: 18.022 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0408MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	167965		
127	13.2		10.4	15.6
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/9/2019 1:49:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.944 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008745.D
Acq: 08 Apr 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47210		
182	96.1		48.1	144.3
145	31.1		16.3	48.8

