

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008607.D
 Acq On : 03 Apr 2019 10:19
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 3:38:18 PM

Quant Time: Apr 04 04:19:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:04:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	65481	20.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.52%	
35) Dibromofluoromethane	5.50	113	48548	20.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.28%	
50) Toluene-d8	8.71	98	196278	20.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.90%	
62) 4-Bromofluorobenzene	11.13	95	68312	20.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	42759	16.761	ug/l 99
3) Chloromethane	1.33	50	58353	16.557	ug/l 98
4) Vinyl Chloride	1.41	62	57801	16.761	ug/l 100
5) Bromomethane	1.64	94	24752	13.458	ug/l 100
6) Chloroethane	1.72	64	37012	15.274	ug/l 100
7) Trichlorofluoromethane	1.93	101	63383	16.627	ug/l 99
8) Diethyl Ether	2.19	74	30385	16.808	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41667	16.977	ug/l 100
10) Methyl Iodide	2.51	142	32969	16.296	ug/l 99
11) Tert butyl alcohol	3.04	59	65614	86.703	ug/l 99
12) 1,1-Dichloroethene	2.37	96	42458	16.571	ug/l 99
13) Acrolein	2.29	56	30576	81.483	ug/l 99
14) Allyl chloride	2.73	41	97571	16.635	ug/l 100
15) Acrylonitrile	3.14	53	168611	84.104	ug/l 100
16) Acetone	2.45	43	173039	92.941	ug/l 99
17) Carbon Disulfide	2.57	76	128075	15.563	ug/l 100
18) Methyl Acetate	2.78	43	72367	16.027	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	155580	17.003	ug/l 98
20) Methylene Chloride	2.86	84	50809	16.303	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	45503	16.419	ug/l 95
22) Diisopropyl ether	3.86	45	192349	17.015	ug/l 100
23) Vinyl Acetate	3.82	43	845591	85.981	ug/l 100
24) 1,1-Dichloroethane	3.70	63	94647	16.910	ug/l 99
25) 2-Butanone	4.68	43	258316	87.783	ug/l 99
26) 2,2-Dichloropropane	4.59	77	65406	16.591	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	52440	16.458	ug/l 99
28) Bromochloromethane	5.02	49	49651	18.690	ug/l 98
29) Tetrahydrofuran	5.13	42	163585	83.756	ug/l 99
30) Chloroform	5.21	83	84626	16.928	ug/l 100
31) Cyclohexane	5.58	56	91660	16.412	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	68087	16.854	ug/l 99
36) 1,1-Dichloropropene	5.80	75	65948	16.003	ug/l 99
37) Ethyl Acetate	4.84	43	90731	16.495	ug/l 99
38) Carbon Tetrachloride	5.78	117	55992	16.416	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82293	16.165	ug/l	98
40) Benzene	6.14	78	204526	16.659	ug/l	100
41) Methacrylonitrile	5.04	41	51647	16.335	ug/l	99
42) 1,2-Dichloroethane	6.19	62	72644	16.505	ug/l	99
43) Isopropyl Acetate	6.45	43	142333	16.518	ug/l	99
44) Trichloroethene	7.21	130	46146	16.139	ug/l	96
45) 1,2-Dichloropropane	7.51	63	57233	16.333	ug/l	99
46) Dibromomethane	7.66	93	33028	16.251	ug/l	98
47) Bromodichloromethane	7.90	83	63837	16.659	ug/l	100
48) Methyl methacrylate	7.77	41	71602	16.427	ug/l	98
49) 1,4-Dioxane	7.74	88	28175	345.061	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	482927	87.062	ug/l	100
52) Toluene	8.78	92	121223	16.749	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70686	16.468	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	80928	16.500	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	49021	16.873	ug/l	99
56) Ethyl methacrylate	9.18	69	89313	16.990	ug/l	100
57) 1,3-Dichloropropane	9.37	76	86952	16.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	258294	96.229	ug/l	100
59) 2-Hexanone	9.49	43	380062	88.166	ug/l	100
60) Dibromochloromethane	9.58	129	45918	16.772	ug/l	100
61) 1,2-Dibromoethane	9.67	107	50020	16.538	ug/l	99
64) Tetrachloroethene	9.34	164	40416	16.413	ug/l	95
65) Chlorobenzene	10.14	112	121343	16.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	42126	16.298	ug/l	99
67) Ethyl Benzene	10.25	91	227670	16.572	ug/l	100
68) m/p-Xylenes	10.36	106	164094	33.220	ug/l	100
69) o-Xylene	10.69	106	79574	16.623	ug/l	100
70) Styrene	10.71	104	138799	16.821	ug/l	99
71) Bromoform	10.85	173	32087	16.254	ug/l #	98
73) Isopropylbenzene	11.02	105	212883	17.198	ug/l	100
74) N-amyl acetate	10.90	43	124016	17.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	80606	17.122	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	80175m	18.157	ug/l	
77) Bromobenzene	11.26	156	50830	17.081	ug/l	99
78) n-propylbenzene	11.36	91	248411	17.235	ug/l	99
79) 2-Chlorotoluene	11.42	91	147688	16.933	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	178823	17.210	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24324	16.341	ug/l	92
82) 4-Chlorotoluene	11.51	91	168792	16.718	ug/l	99
83) tert-Butylbenzene	11.77	119	166415	16.647	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	180239	17.131	ug/l	100
85) sec-Butylbenzene	11.94	105	203782	17.162	ug/l	100
86) p-Isopropyltoluene	12.06	119	182808	17.153	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	87398	16.406	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	87893	16.293	ug/l	99
89) n-Butylbenzene	12.38	91	170047	17.014	ug/l	100
90) Hexachloroethane	12.60	117	29203	16.521	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	88243	16.683	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17219	16.627	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:04:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	60799	16.532	ug/l	99
94) Hexachlorobutadiene	13.78	225	29231	16.573	ug/l	99
95) Naphthalene	13.83	128	207168	16.855	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	60982	16.596	ug/l	99

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

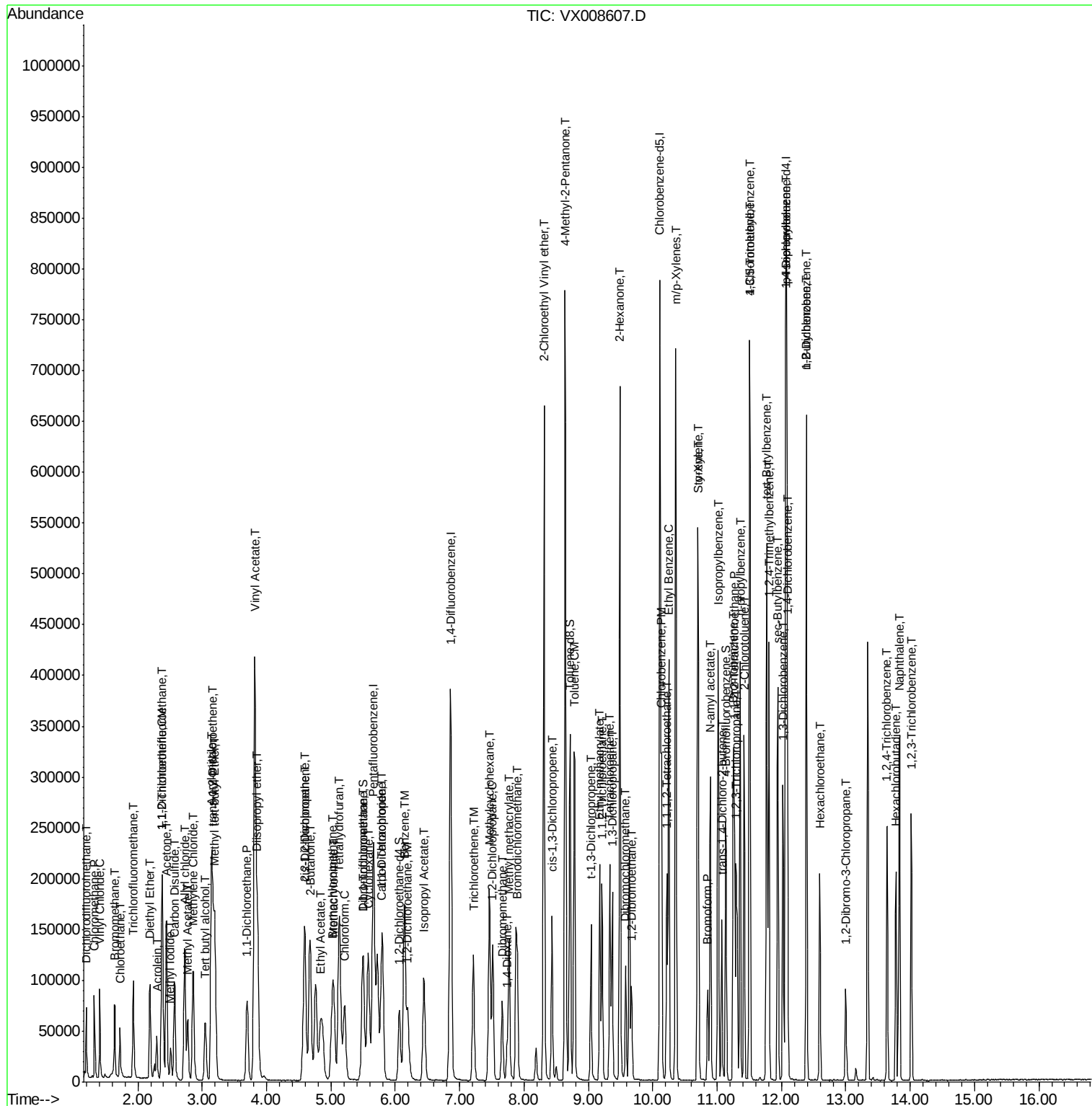
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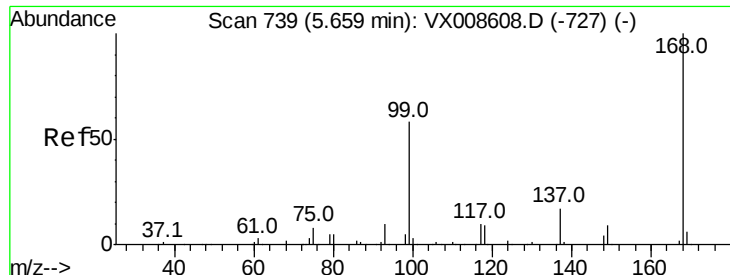
Instrument :
MSVOA_X
Client Sampled :
VSTDICC020

Manual Integrations
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Quant Time: Apr 04 04:19:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:04:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 221622

Ion Ratio Lower Upper

168 100

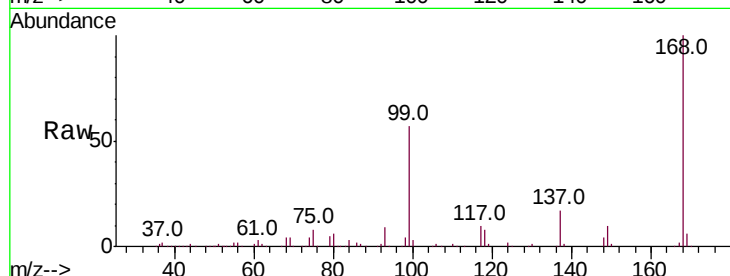
99 56.5 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VX008608.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX008608.D (-727) (-)

5.67

80000

60000

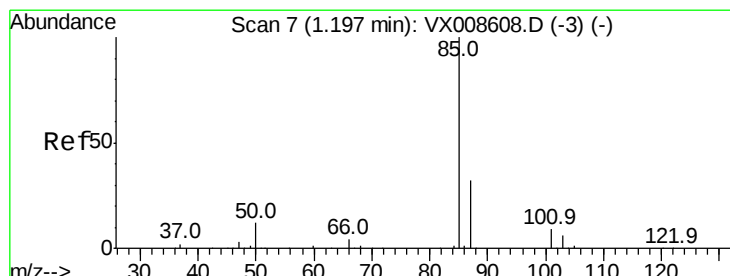
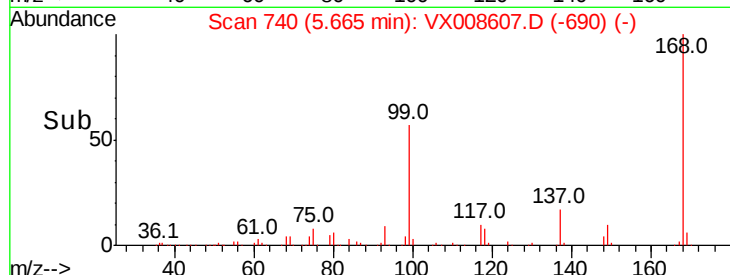
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.761 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008607.D

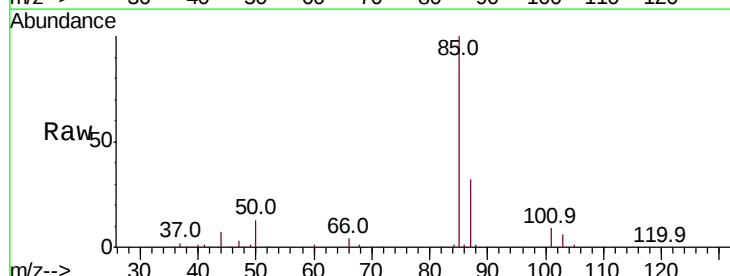
Acq: 03 Apr 2019 10:19

Tgt Ion: 85 Resp: 42759

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX008608.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX008608.D (-3) (-)

1.20

40000

30000

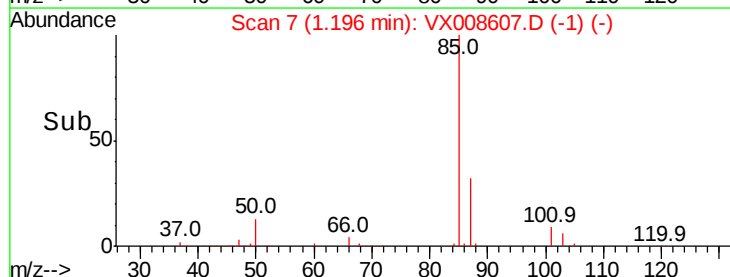
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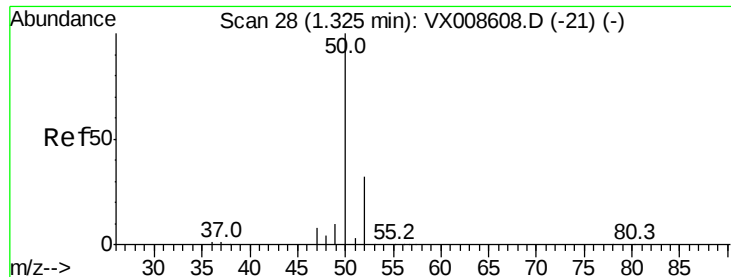
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 16.557 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 58353

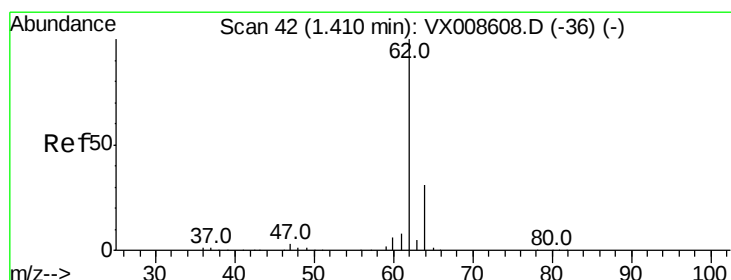
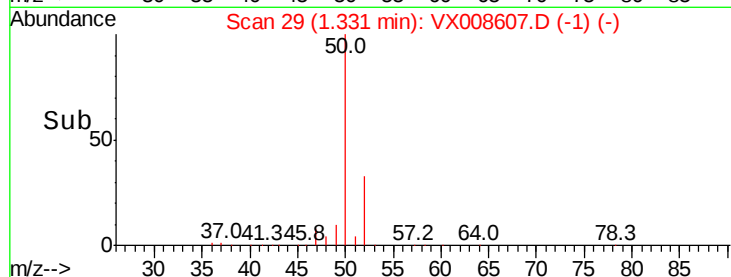
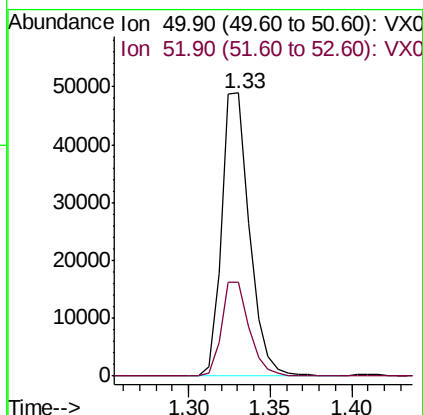
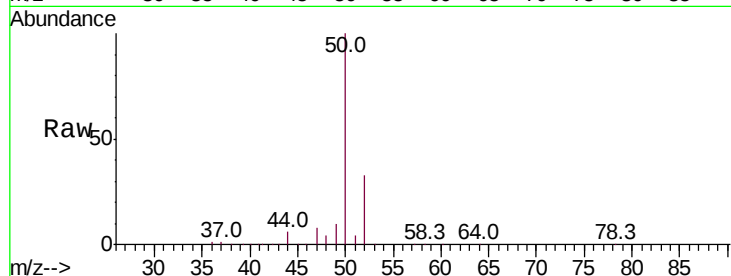
Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.761 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008607.D

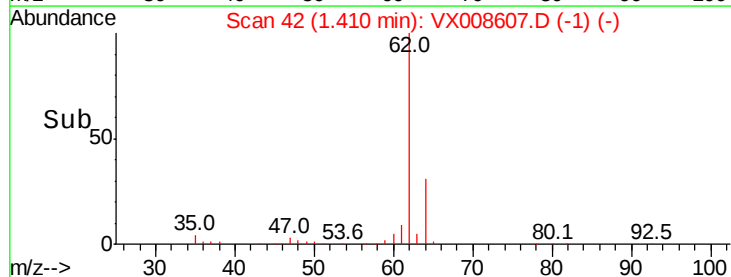
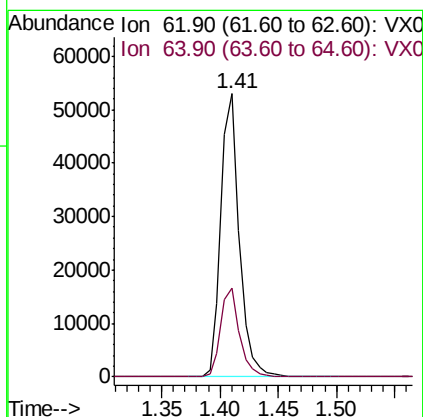
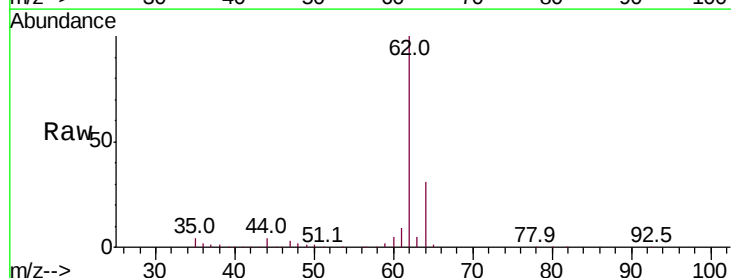
Acq: 03 Apr 2019 10:19

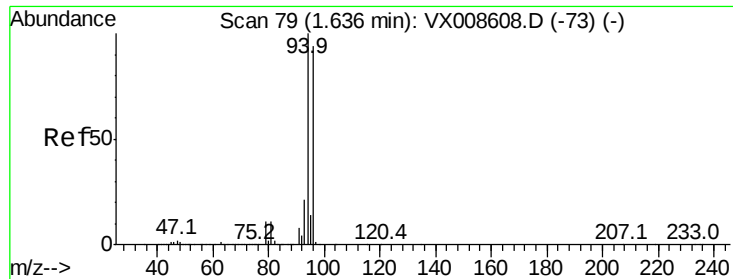
Tgt Ion: 62 Resp: 57801

Ion Ratio Lower Upper

62 100

64 31.1 24.7 37.1





#5

Bromomethane

Concen: 13.458 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 24752

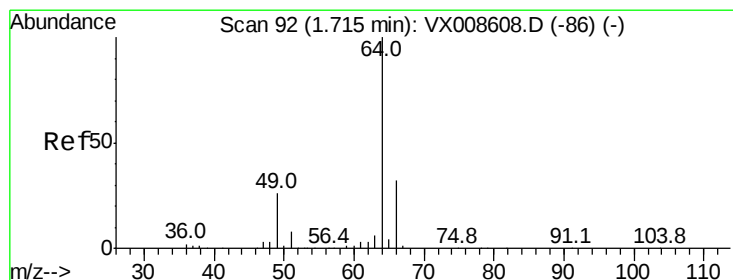
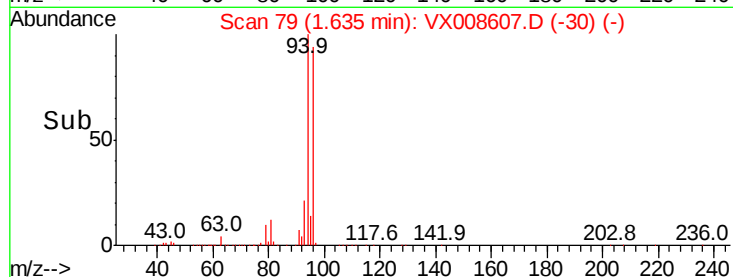
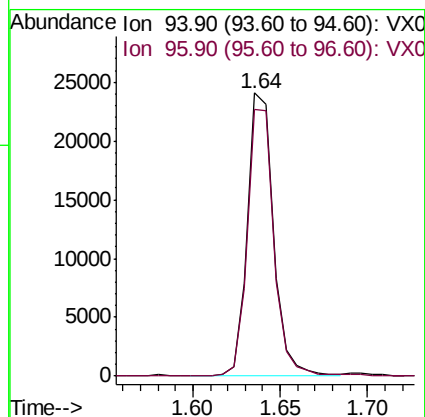
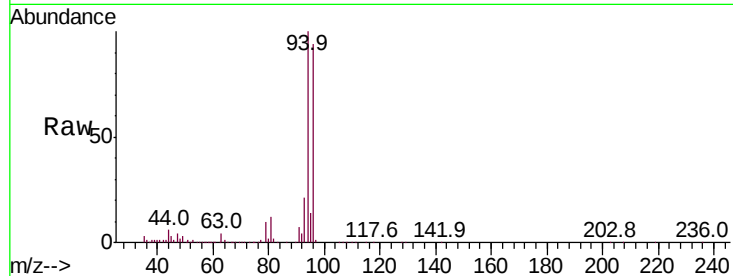
Ion Ratio Lower Upper

94 100

96 94.3 75.2 112.8

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#6

Chloroethane

Concen: 15.274 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008607.D

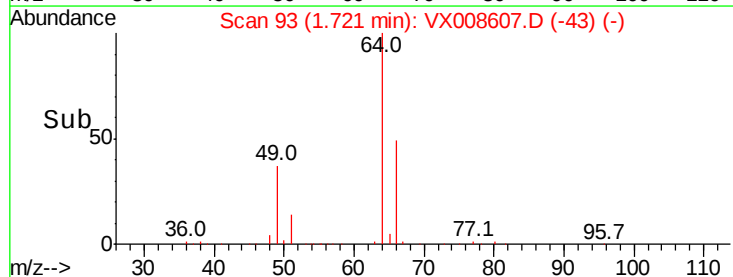
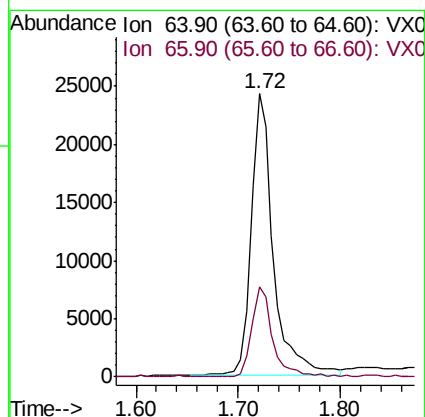
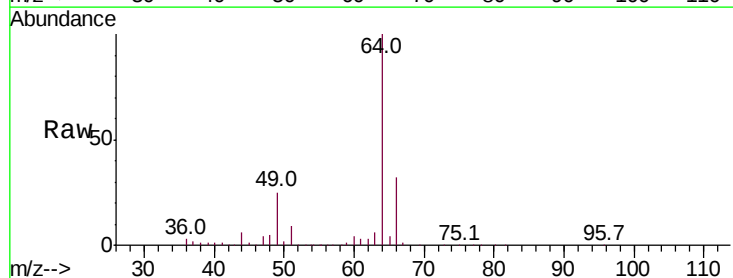
Acq: 03 Apr 2019 10:19

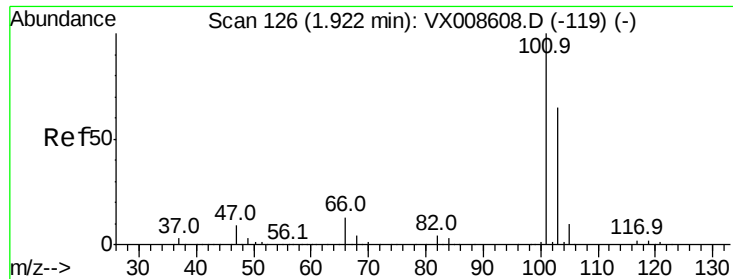
Tgt Ion: 64 Resp: 37012

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.0





#7

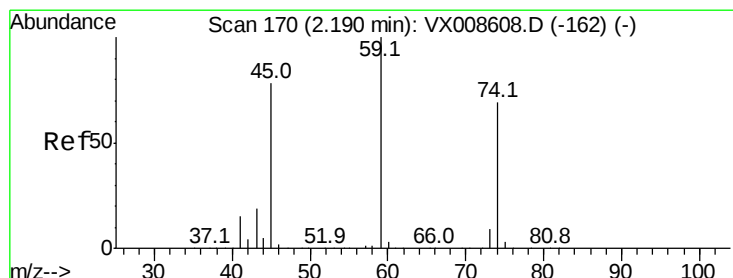
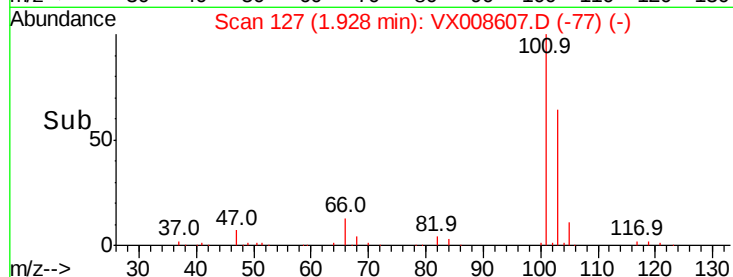
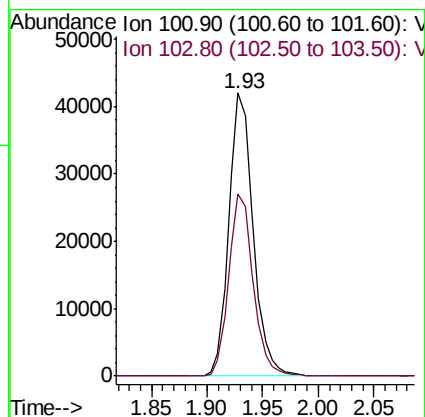
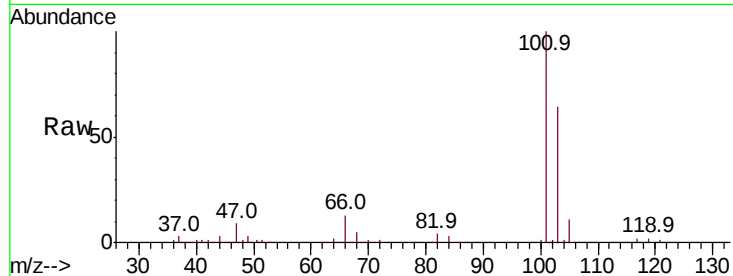
Trichlorofluoromethane
Concen: 16.627 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 63383
Ion Ratio Lower Upper
101 100
103 64.3 52.3 78.5

Manual Integrations
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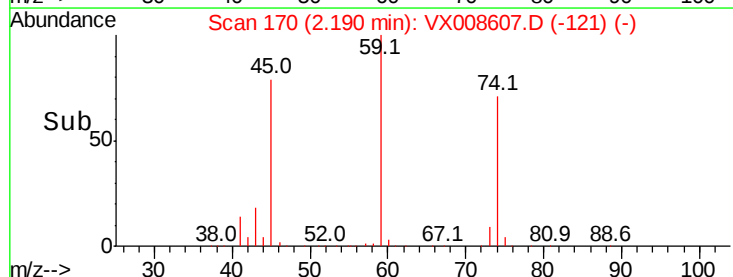
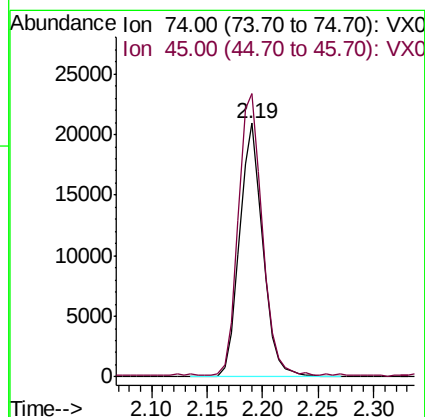
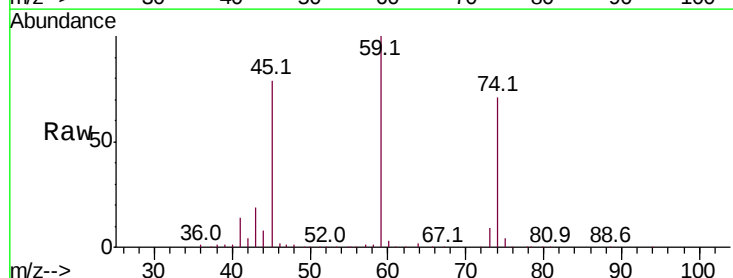
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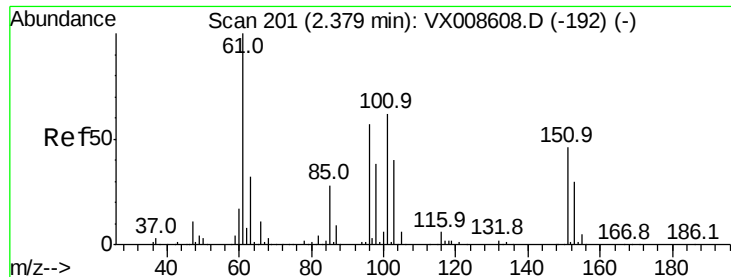


#8

Diethyl Ether
Concen: 16.808 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion: 74 Resp: 30385
Ion Ratio Lower Upper
74 100
45 114.4 56.5 169.5





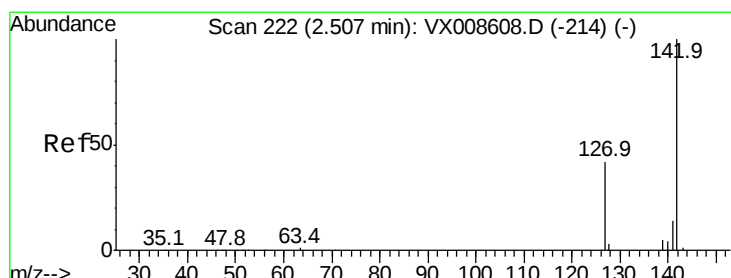
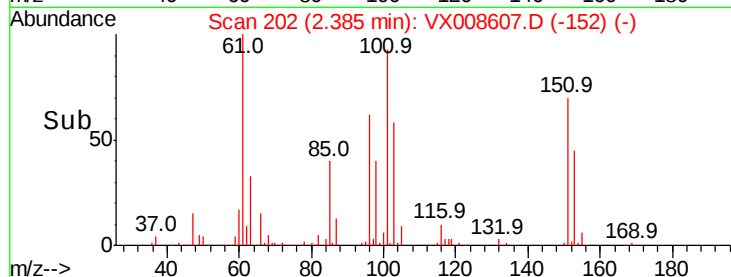
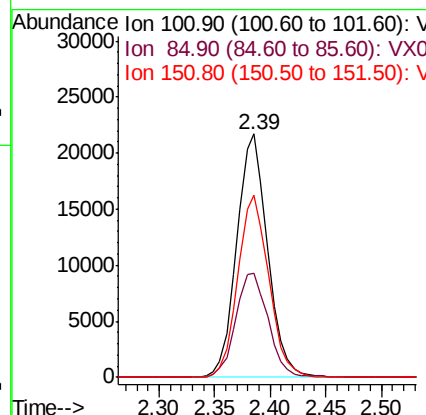
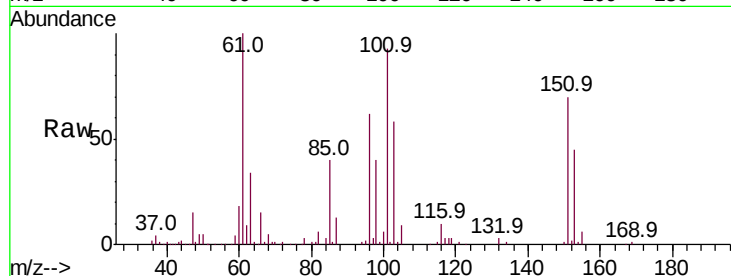
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 16.977 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.01 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	41667		
85	45.1	36.0	54.0	
151	75.1	59.9	89.9	

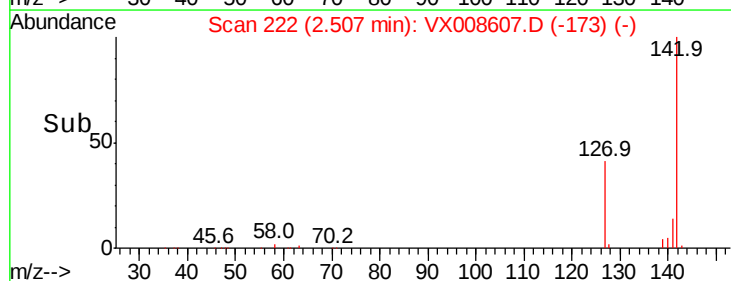
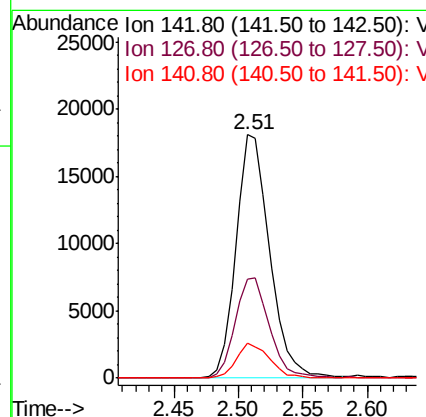
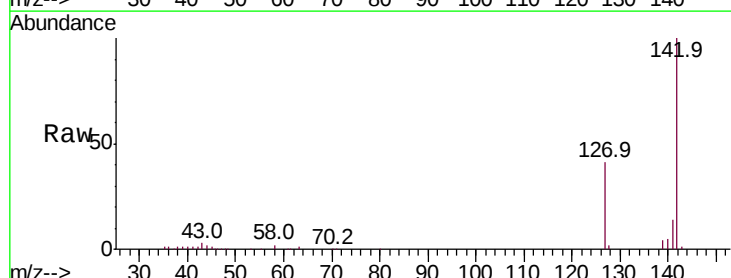
Manual Integrations
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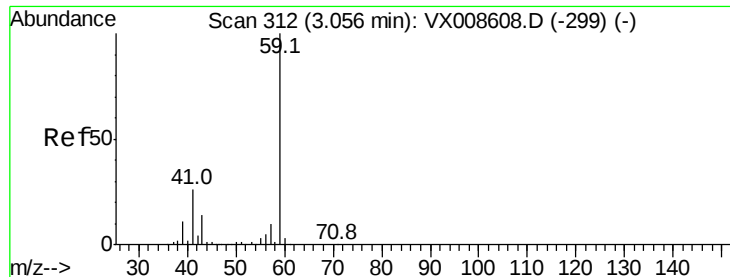
MMDadoda
 4/4/2019 3:38:18 PM



#10
 Methyl Iodide
 Concen: 16.296 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	32969		
127	41.7	33.0	49.6	
141	14.3	11.4	17.2	





#11

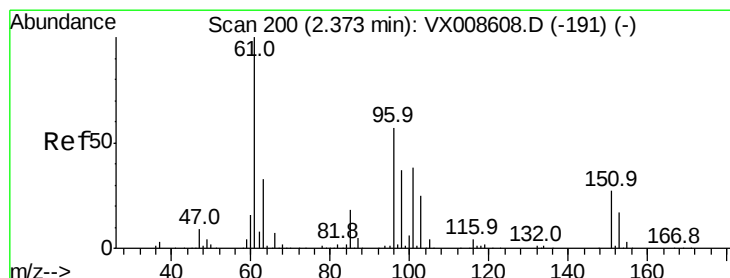
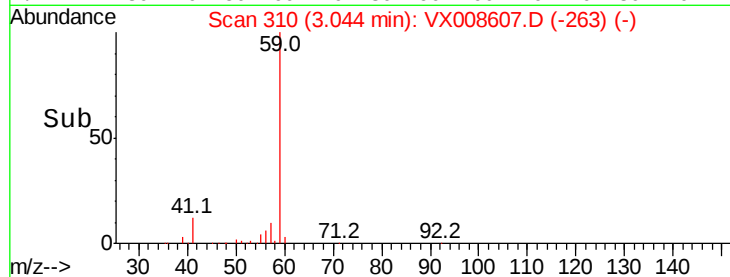
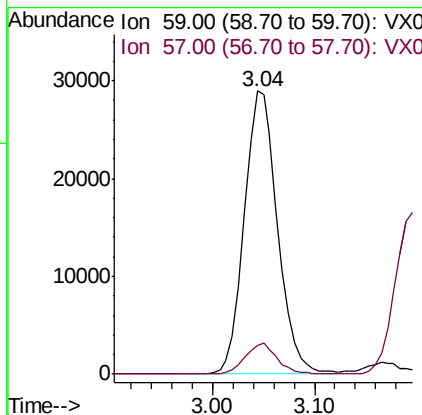
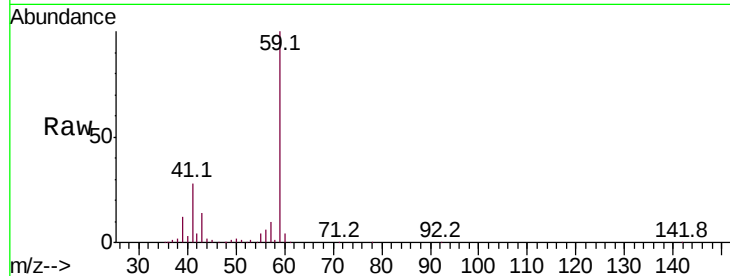
Tert butyl alcohol
 Concen: 86.703 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	10.7		8.3	12.5

Manual Integrations
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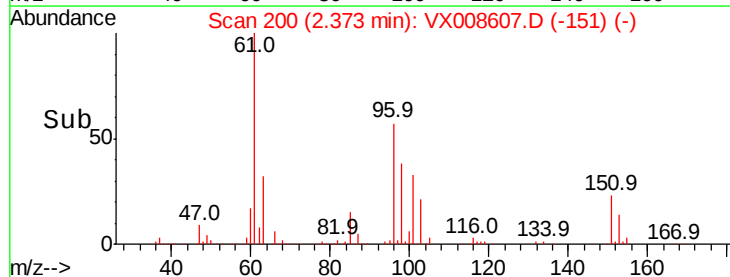
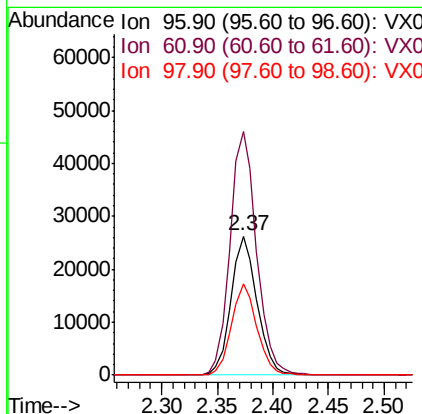
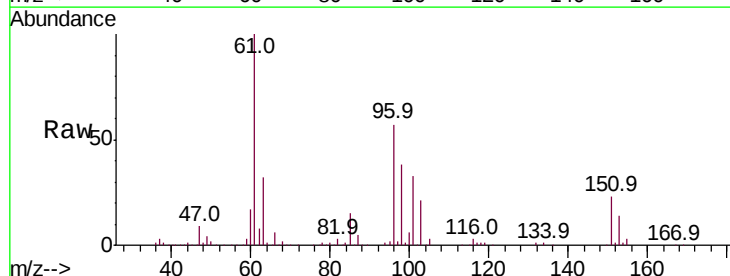
MMDadoda
 4/4/2019 3:38:18 PM

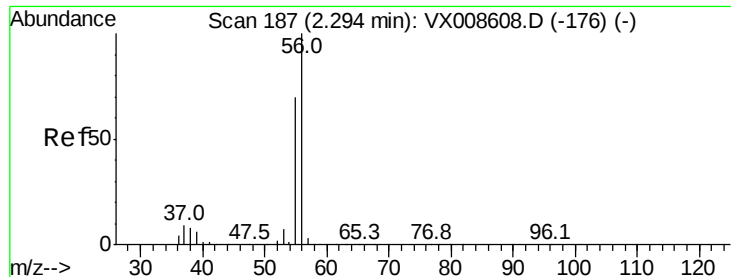


#12

1,1-Dichloroethene
 Concen: 16.571 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	174.8		140.9	211.3
98	65.9		52.1	78.1





#13

Acrolein

Concen: 81.483 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 30576

Ion Ratio Lower Upper

56 100

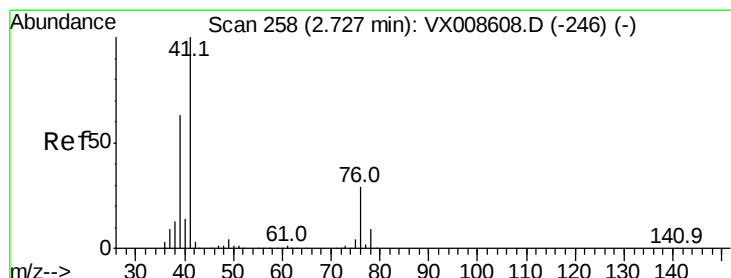
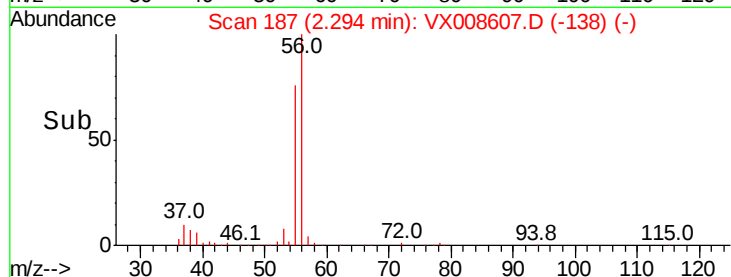
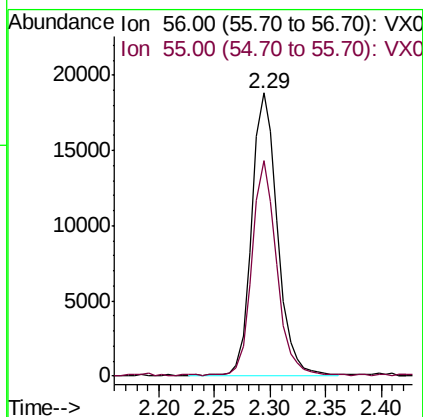
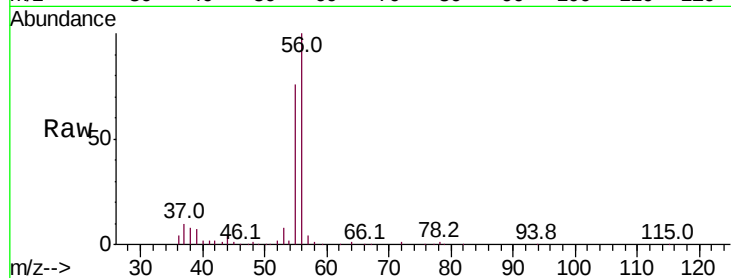
55 71.5 58.0 87.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 16.635 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

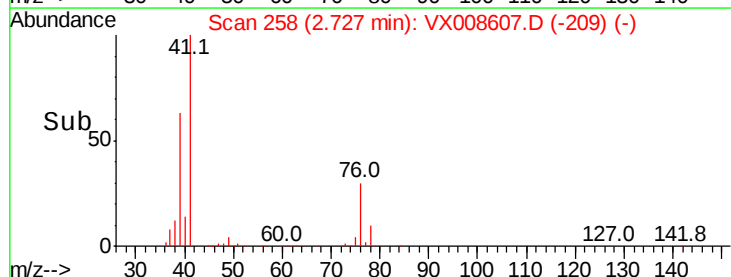
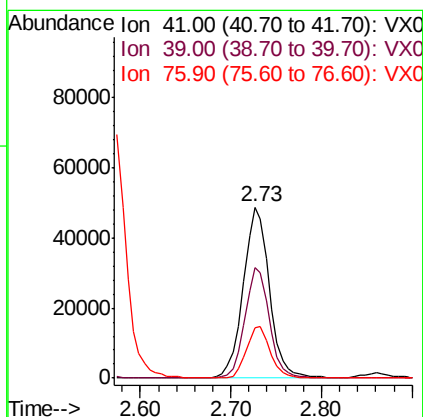
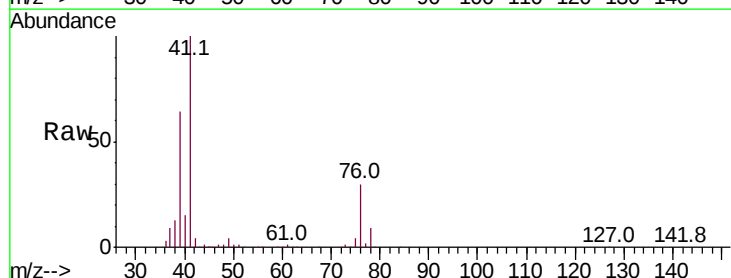
Tgt Ion: 41 Resp: 97571

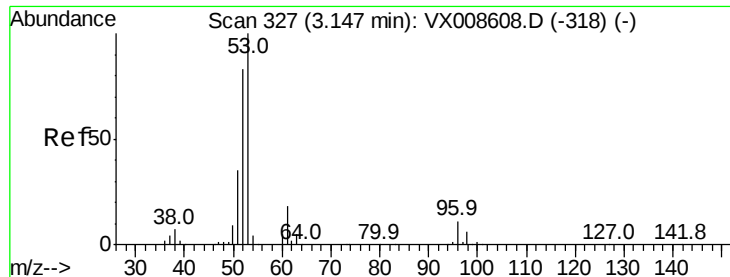
Ion Ratio Lower Upper

41 100

39 59.8 48.0 72.0

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 84.104 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

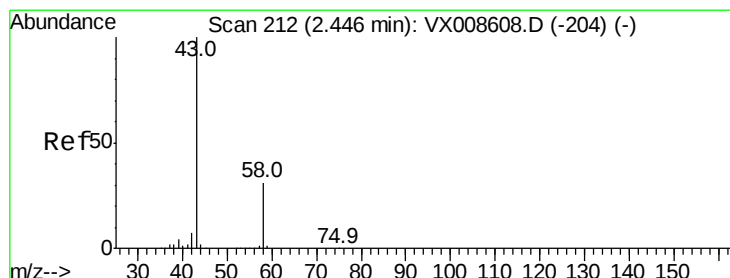
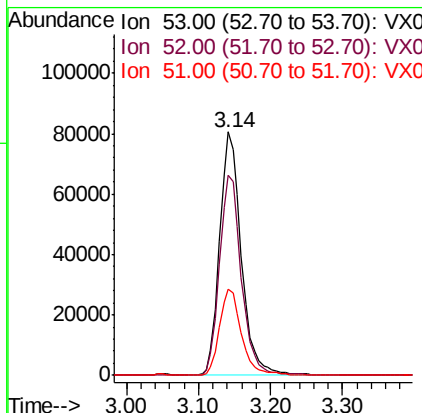
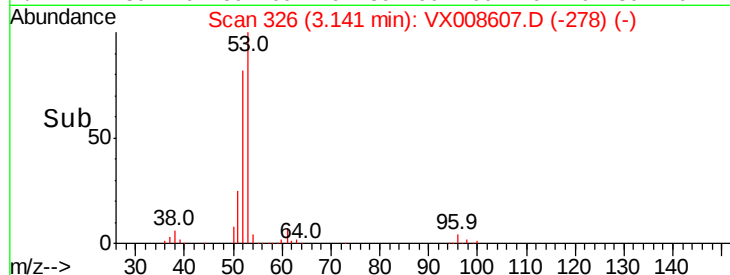
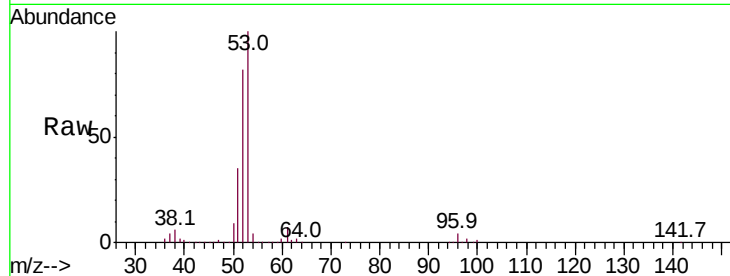
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	168611
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.5	99.7
51	35.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 92.941 ug/l

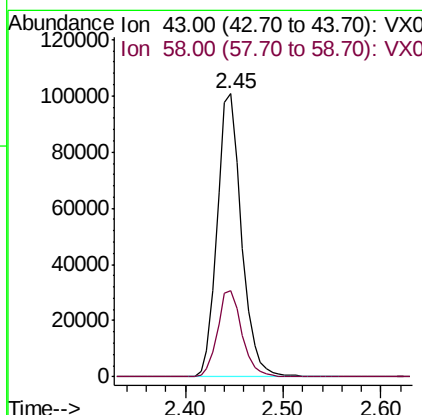
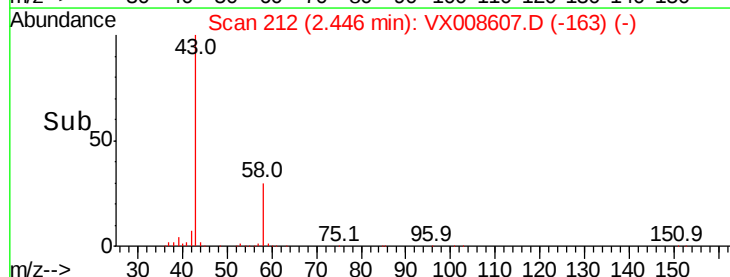
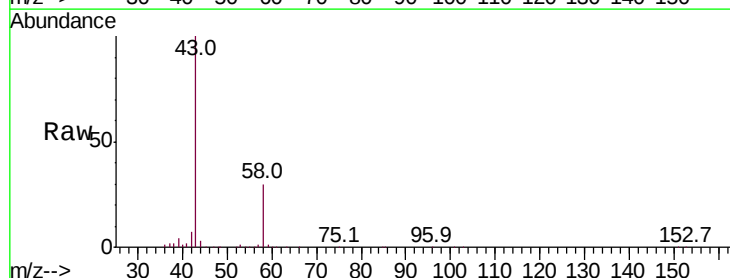
RT: 2.45 min Scan# 212

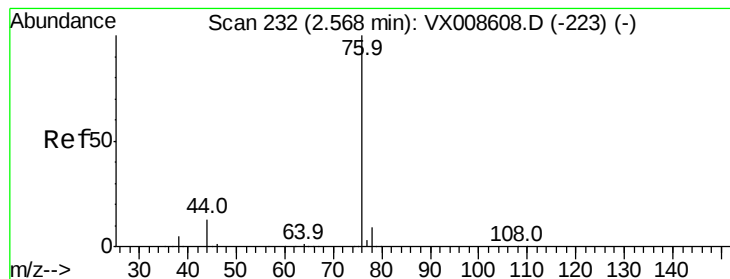
Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Tgt Ion:	43	Resp:	173039
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.8	37.2





#17

Carbon Disulfide

Concen: 15.563 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 128075

Ion Ratio Lower Upper

76 100

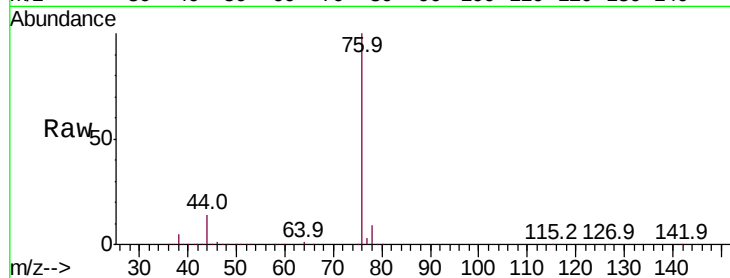
78 8.9 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

40000

20000

0

Time-->

2.50 2.60 2.70

2.57

2.57

2.57

2.57

2.57

2.57

2.57

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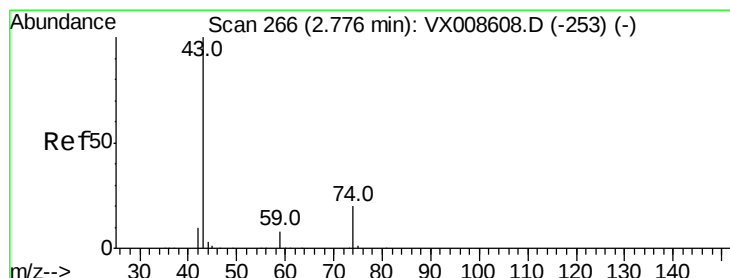
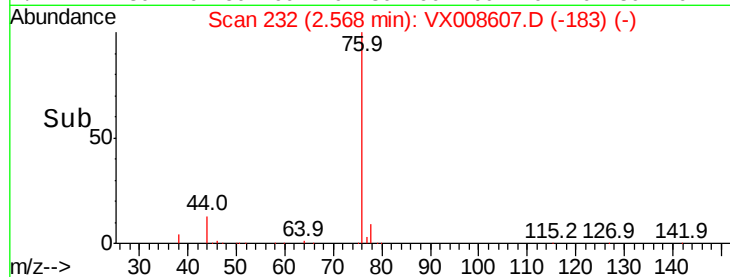
2.57

2.57

2.57

2.57

2.57



#18

Methyl Acetate

Concen: 16.027 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008607.D

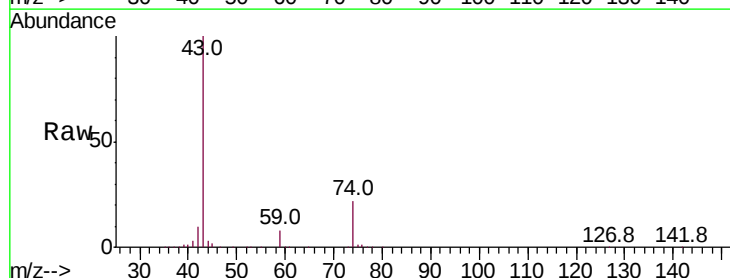
Acq: 03 Apr 2019 10:19

Tgt Ion: 43 Resp: 72367

Ion Ratio Lower Upper

43 100

74 21.3 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

40000

30000

20000

10000

0

Time-->

2.70 2.75 2.80 2.85 2.90

2.78

2.78

2.78

2.78

2.78

2.78

2.78

2.78

2.78

2.78

2.78

2.78

2.78

2.78

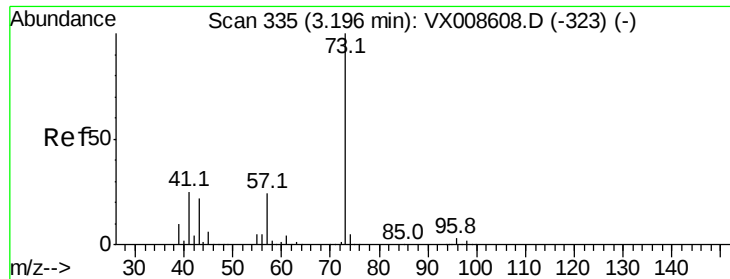
2.78

2.78

2.78

2.78

2.78



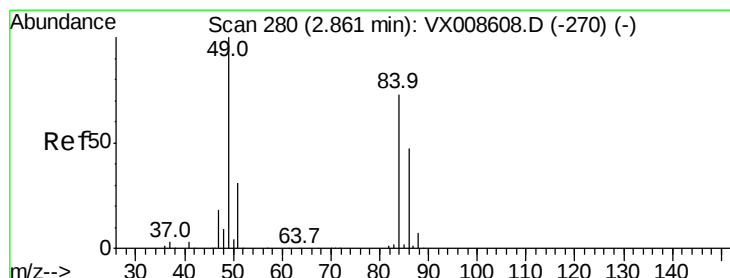
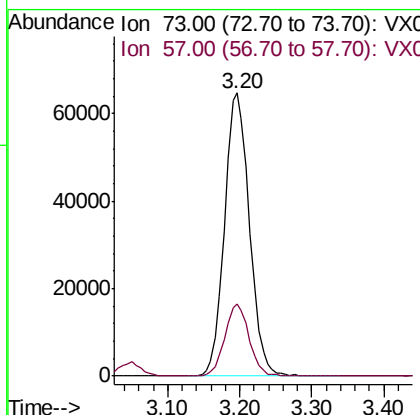
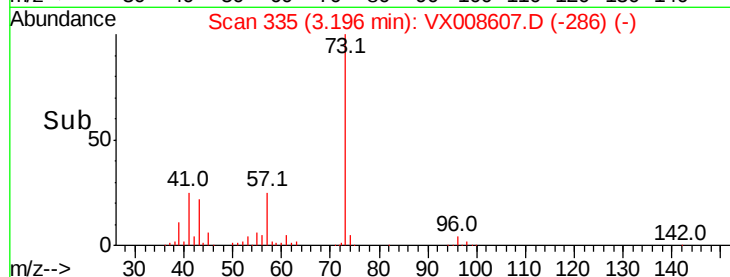
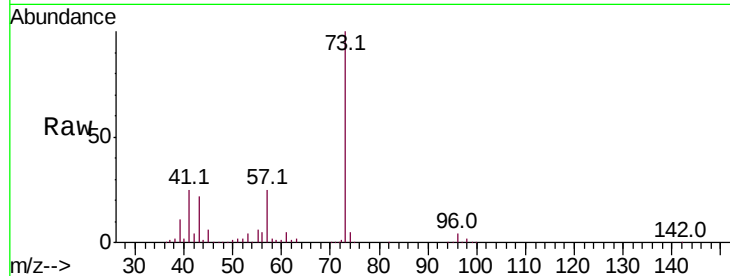
#19
Methyl tert-butyl Ether
Concen: 17.003 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 155580
Ion Ratio Lower Upper
73 100
57 25.5 19.5 29.3

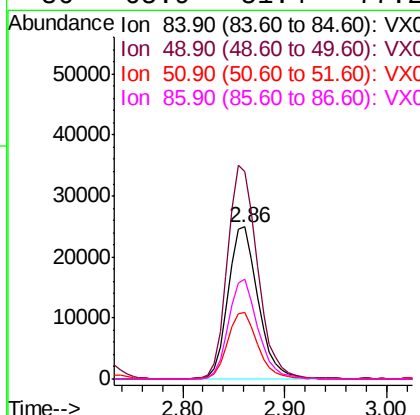
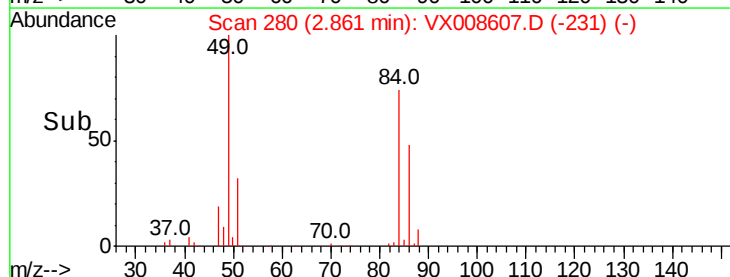
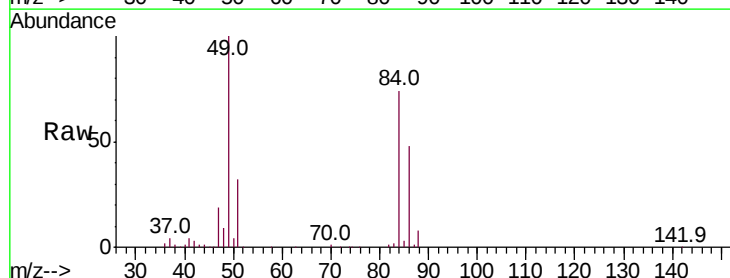
Manual Integrations
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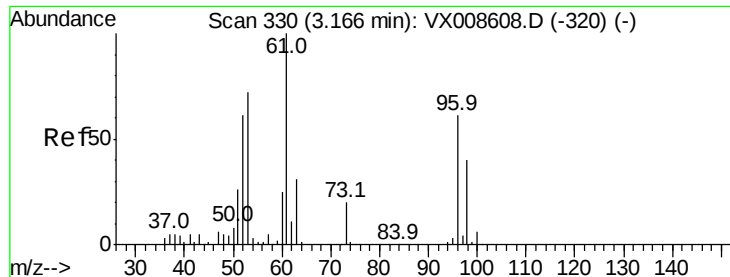
MMDadoda
4/4/2019 3:38:18 PM



#20
Methylene Chloride
Concen: 16.303 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion: 84 Resp: 50809
Ion Ratio Lower Upper
84 100
49 135.8 109.7 164.5
51 44.0 33.6 50.4
86 65.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 16.419 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 45503

Ion Ratio Lower Upper

96 100

61 157.8 132.1 198.1

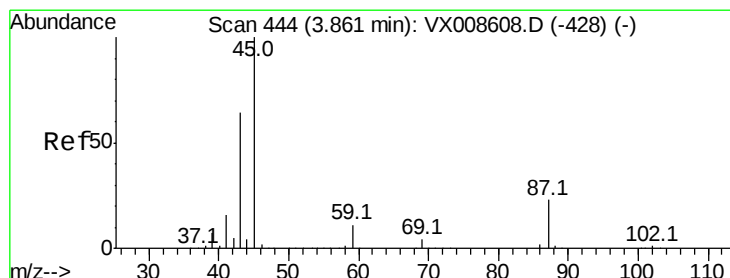
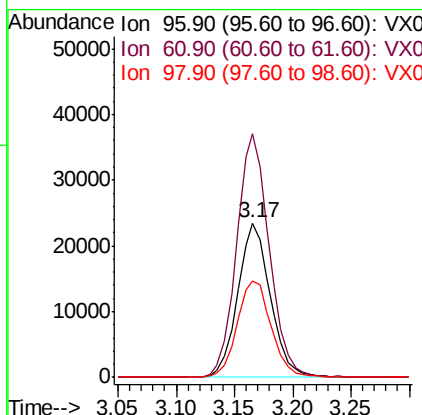
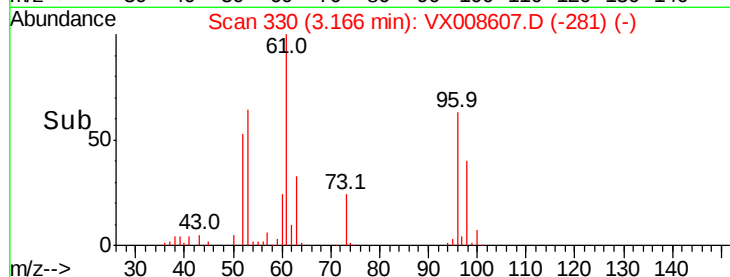
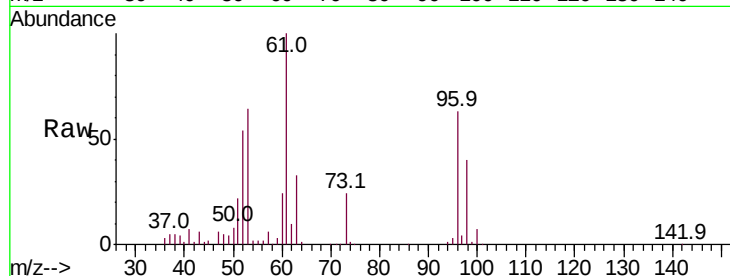
98 62.7 52.2 78.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 17.015 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Tgt Ion: 45 Resp: 192349

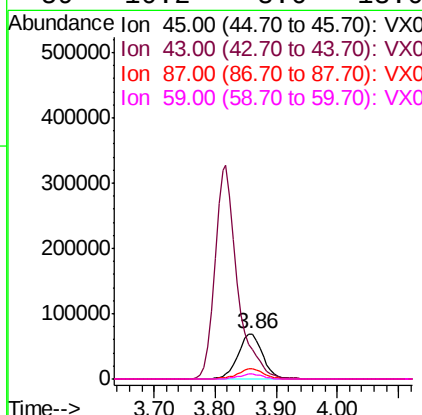
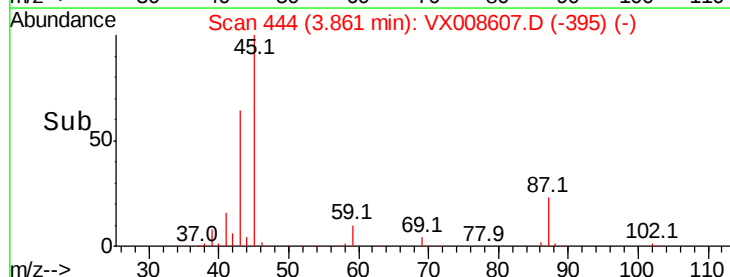
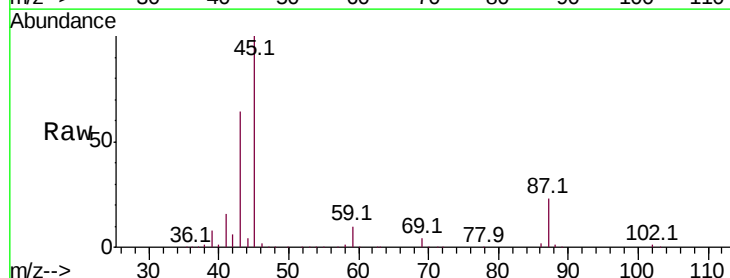
Ion Ratio Lower Upper

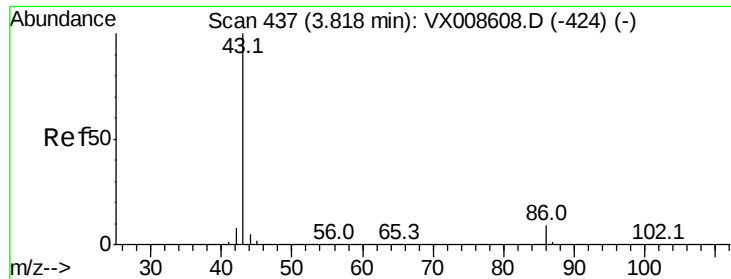
45 100

43 64.2 51.3 76.9

87 22.5 18.1 27.1

59 10.2 8.6 13.0





#23

Vinyl Acetate

Concen: 85.981 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 845591

Ion Ratio Lower Upper

43 100

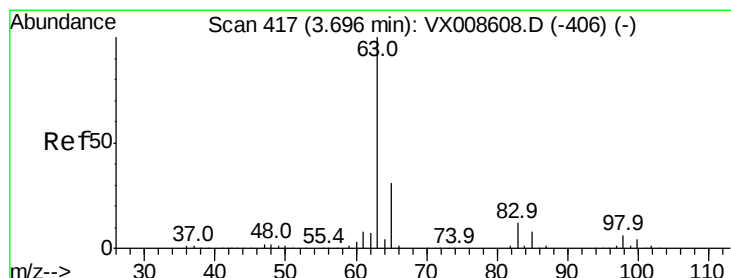
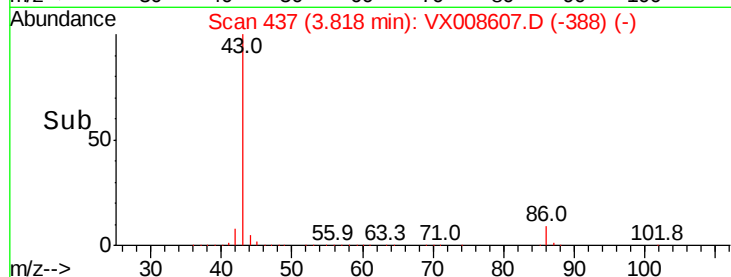
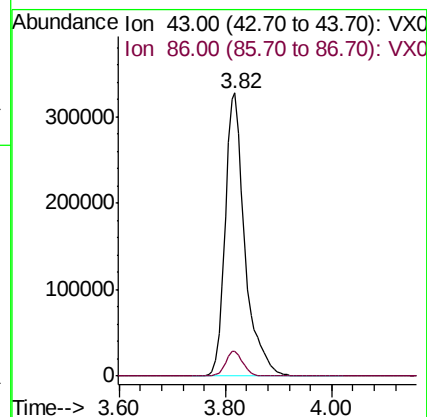
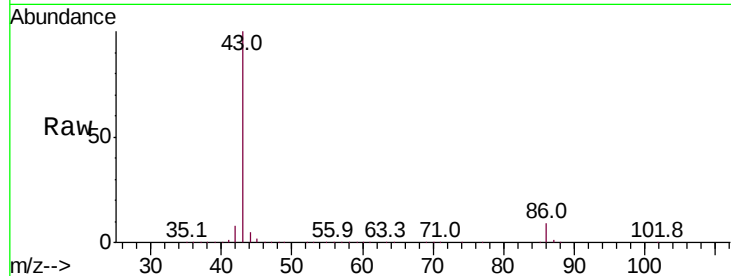
86 8.7 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 16.910 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

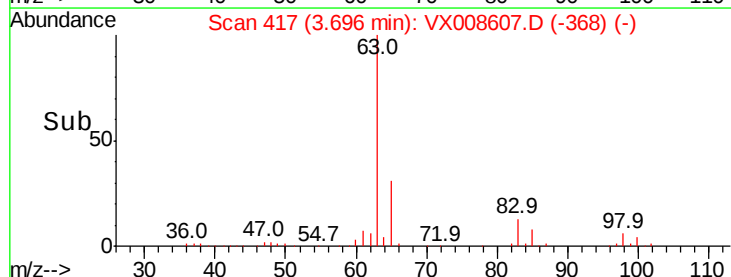
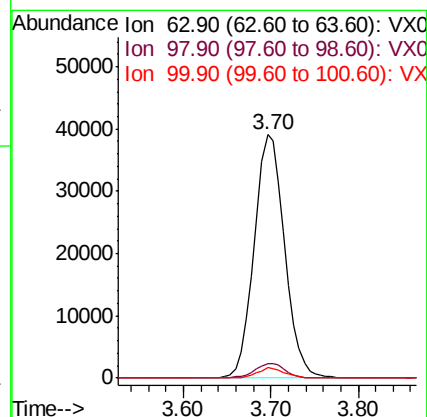
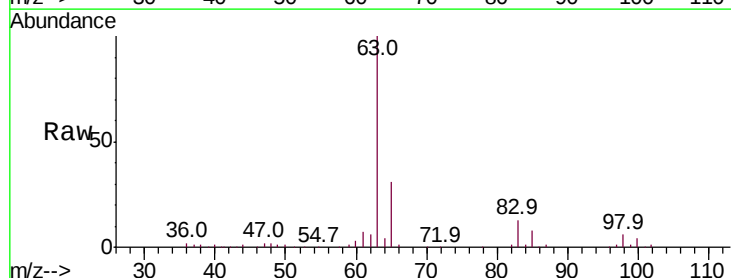
Tgt Ion: 63 Resp: 94647

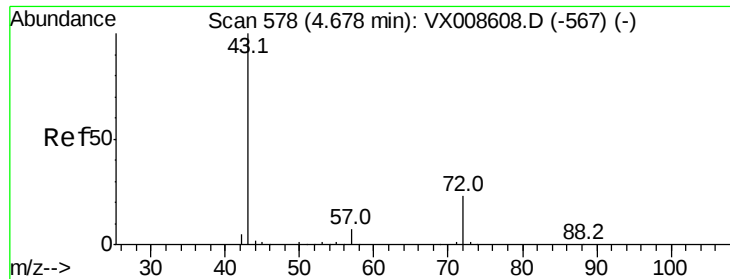
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 4.4 1.8 5.5





#25

2-Butanone

Concen: 87.783 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 258316

Ion Ratio Lower Upper

43 100

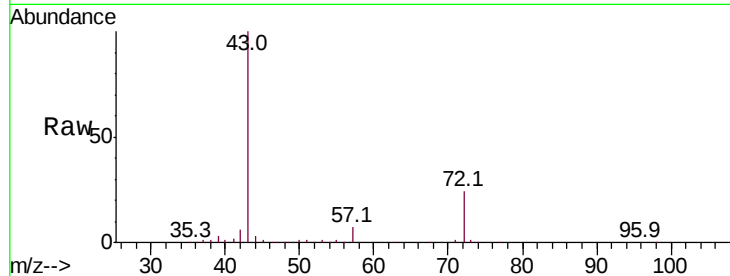
72 23.5 18.2 27.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

80000

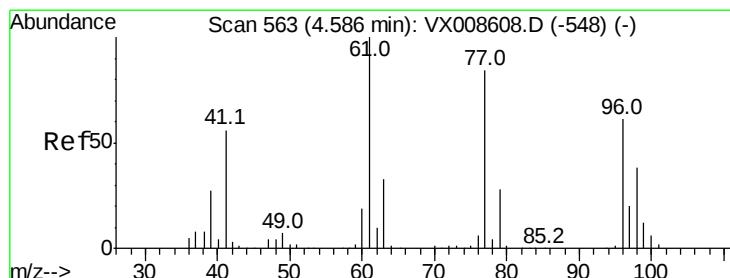
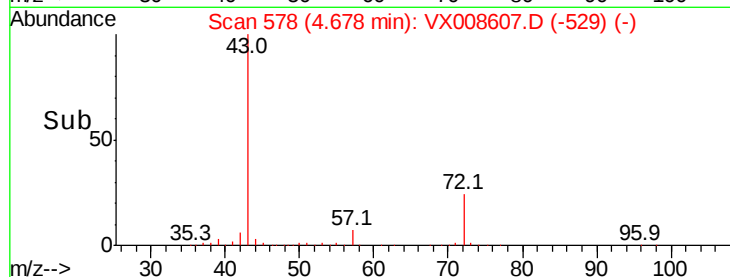
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 16.591 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008607.D

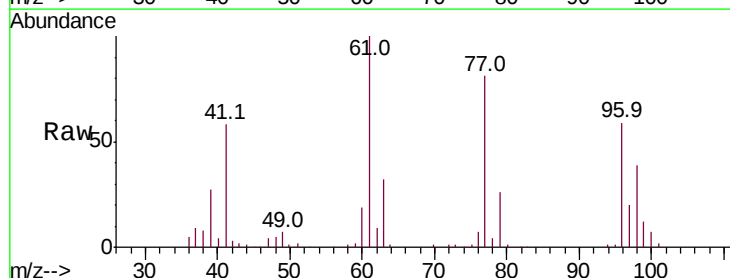
Acq: 03 Apr 2019 10:19

Tgt Ion: 77 Resp: 65406

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

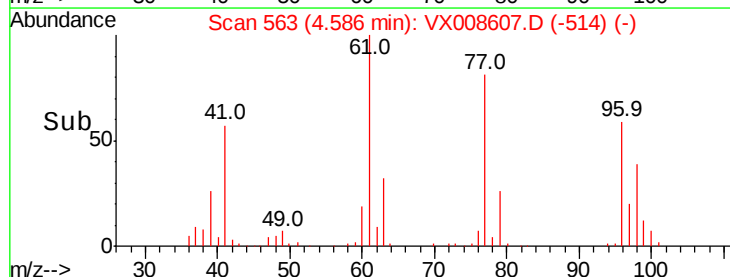
15000

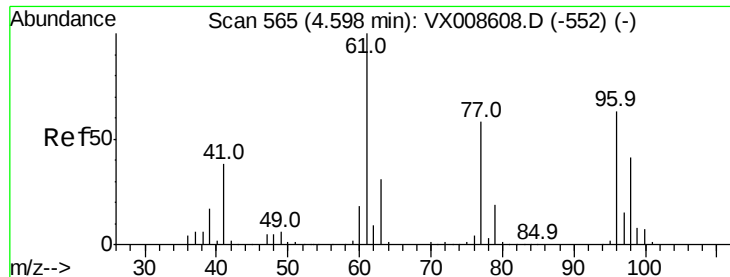
10000

5000

0

Time-->





#27

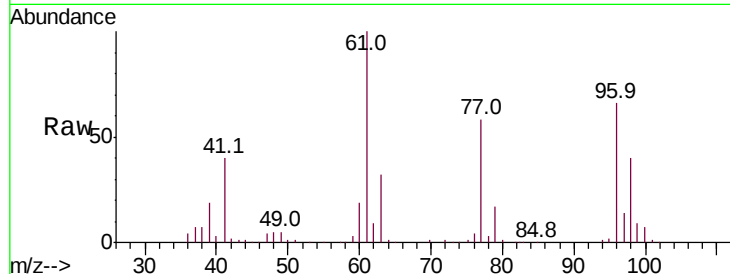
cis-1,2-Dichloroethene
 Concen: 16.458 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	327.6
98	64.7	0.0	128.6

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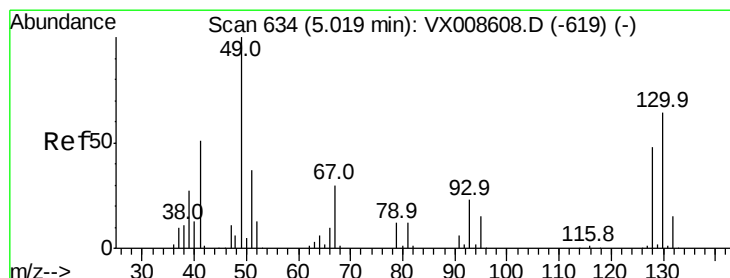
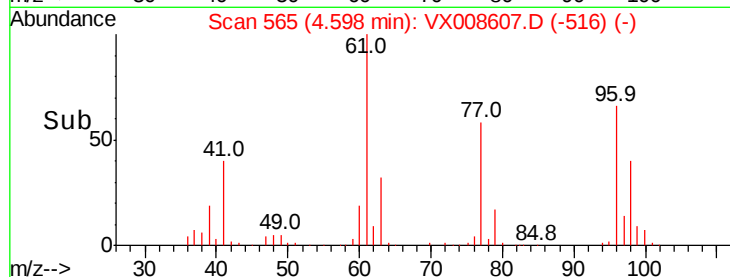
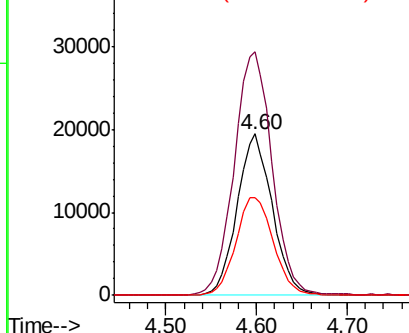


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

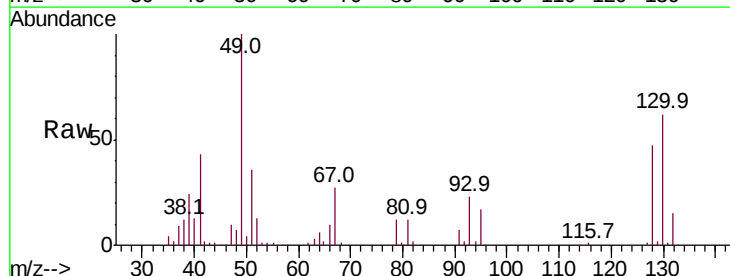
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 18.690 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	60.4	49.3	73.9

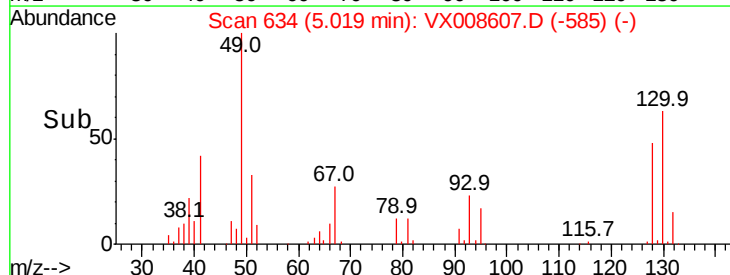
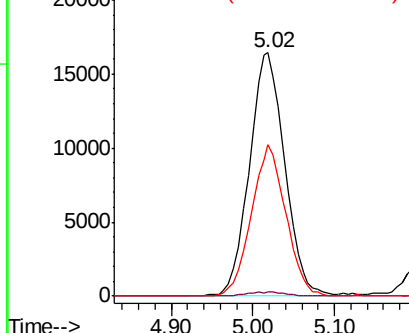


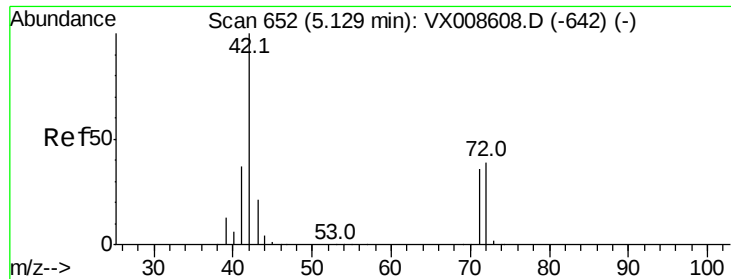
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





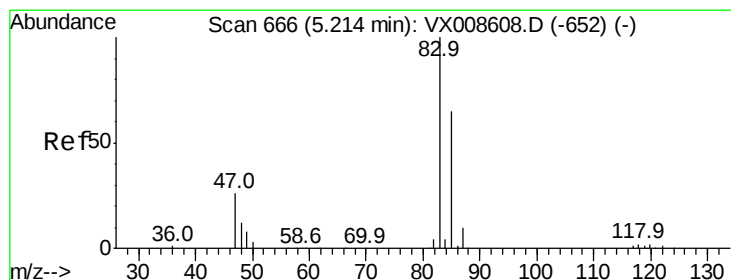
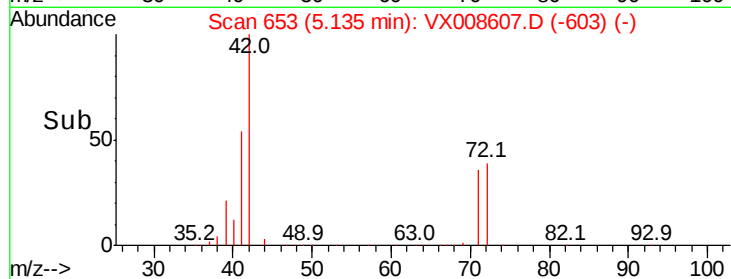
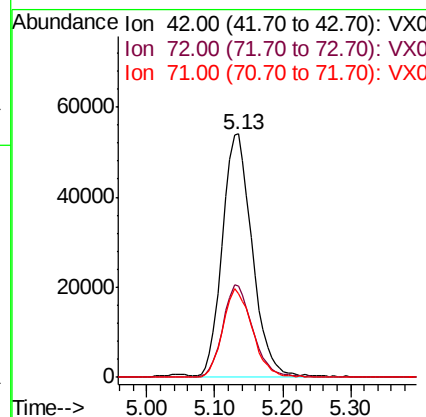
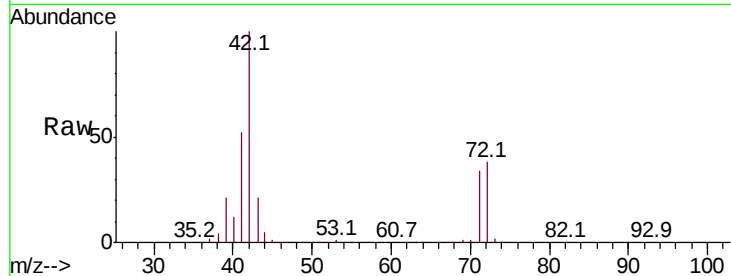
#29
Tetrahydrofuran
Concen: 83.756 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.5	45.7
71	36.2	28.6	43.0

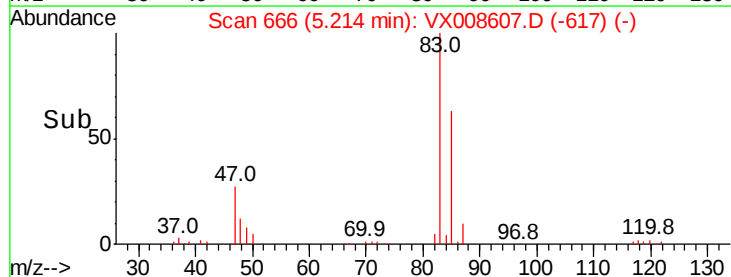
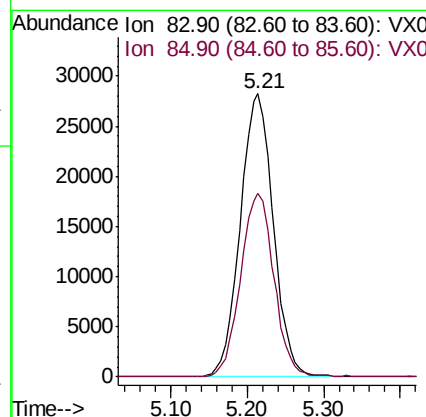
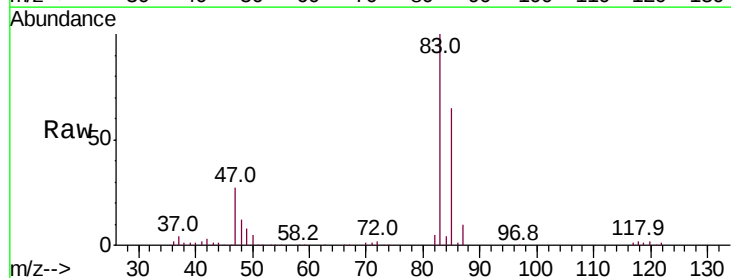
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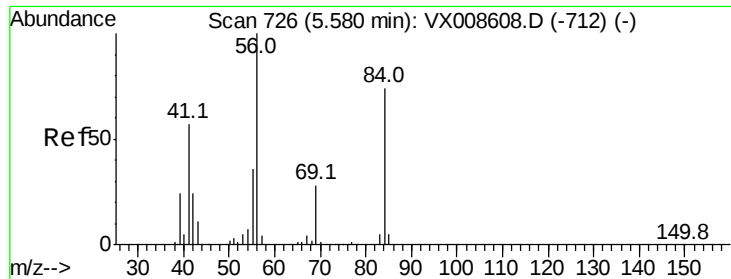
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#30
Chloroform
Concen: 16.928 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.1	78.1





#31

Cyclohexane

Concen: 16.412 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

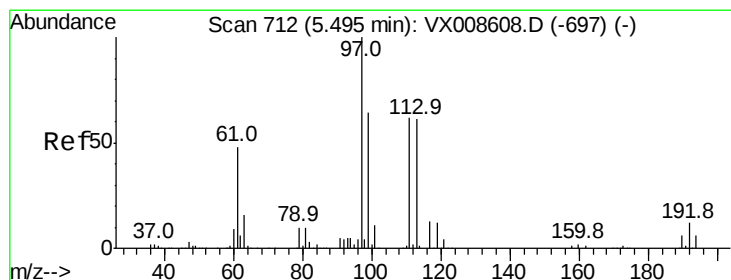
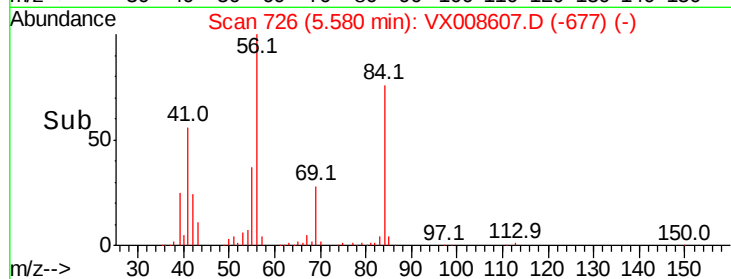
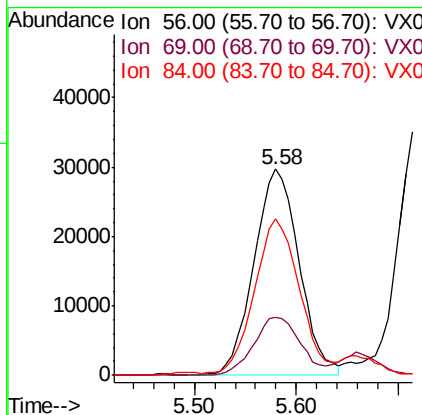
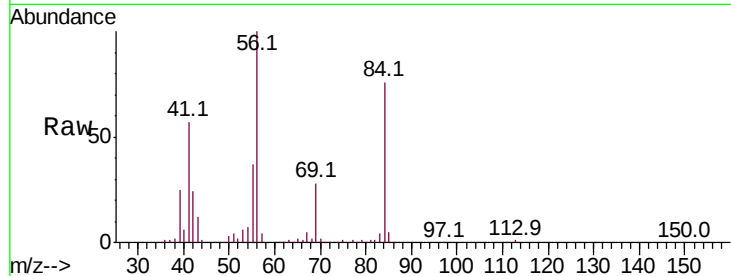
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	91660
Ion Ratio	Lower	Upper	
56	100		
69	28.4	22.6	33.8
84	74.7	59.3	88.9

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#32

1,1,1-Trichloroethane

Concen: 16.854 ug/l

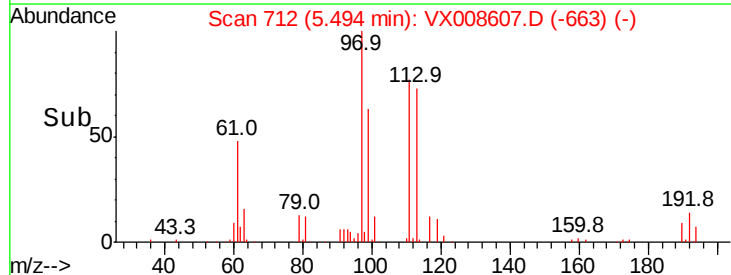
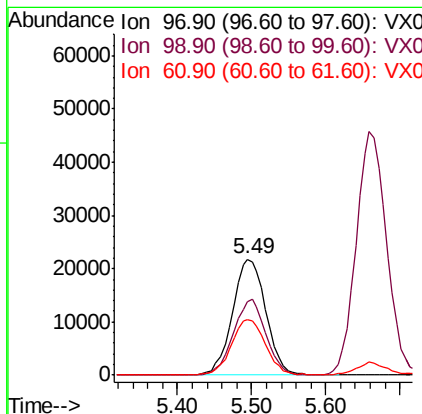
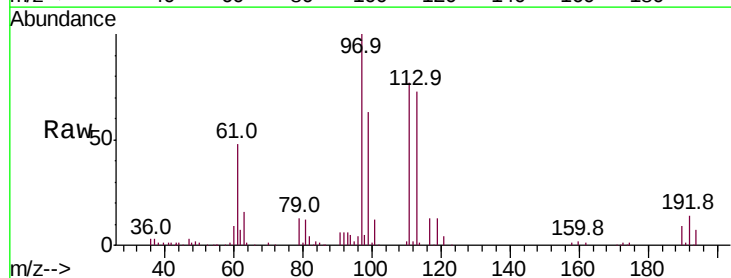
RT: 5.49 min Scan# 712

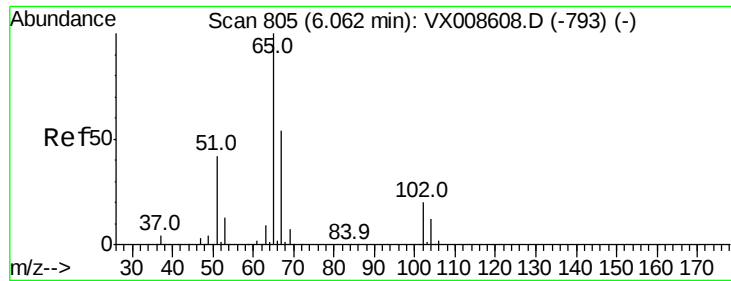
Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Tgt Ion:	97	Resp:	68087
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.3	76.9
61	49.2	38.9	58.3





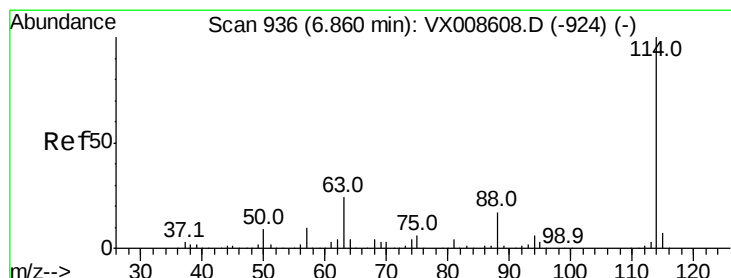
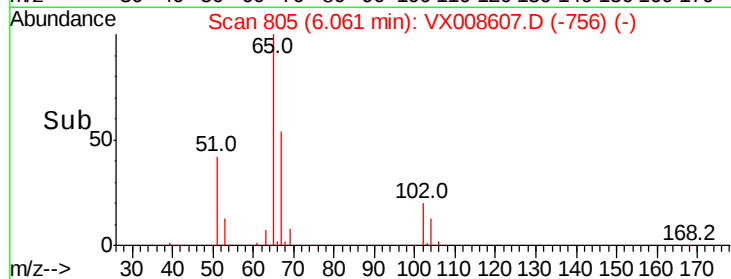
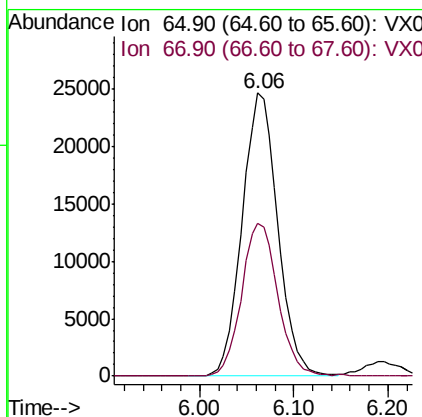
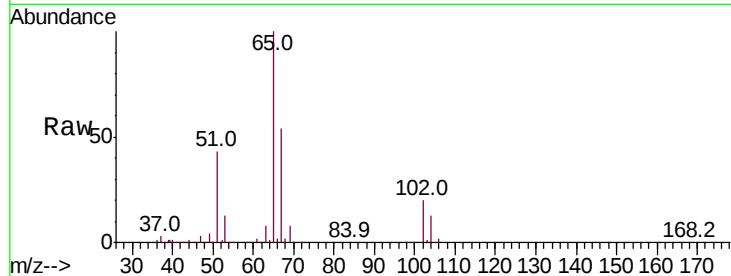
#33
 1,2-Dichloroethane-d4
 Concen: 20.257 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	107.2

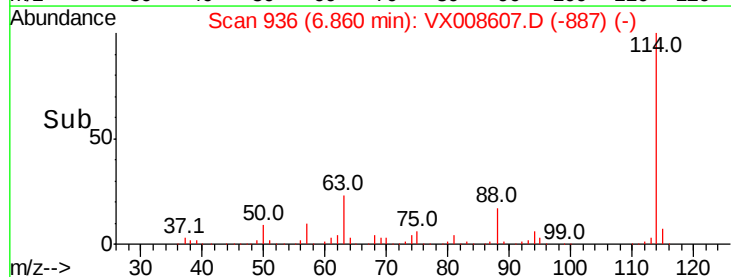
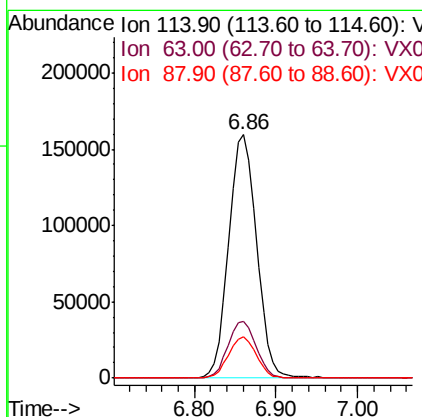
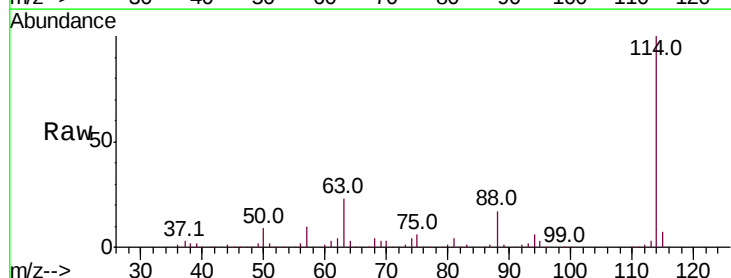
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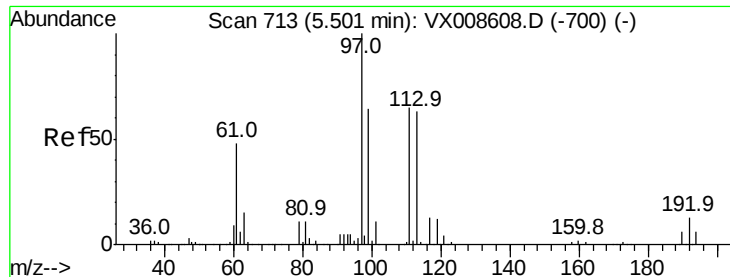
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.2
88	17.2	0.0	34.0





#35

Dibromofluoromethane

Concen: 20.141 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

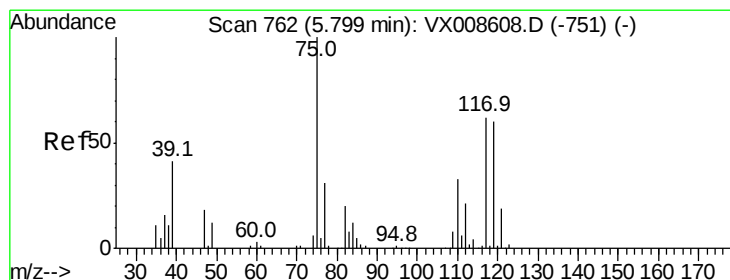
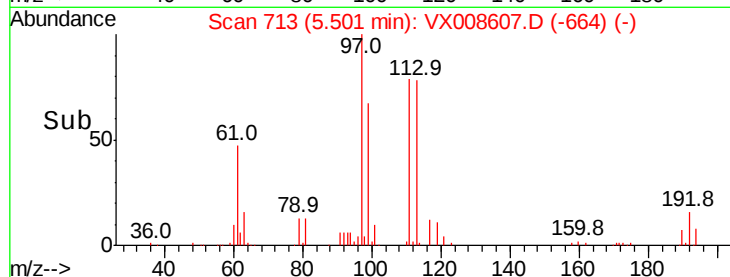
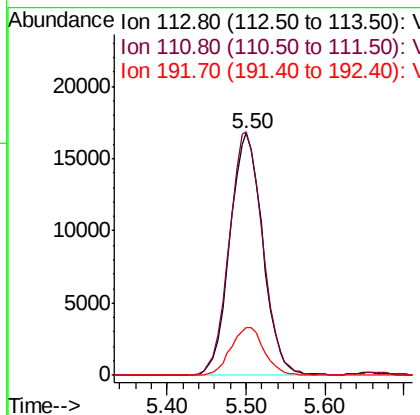
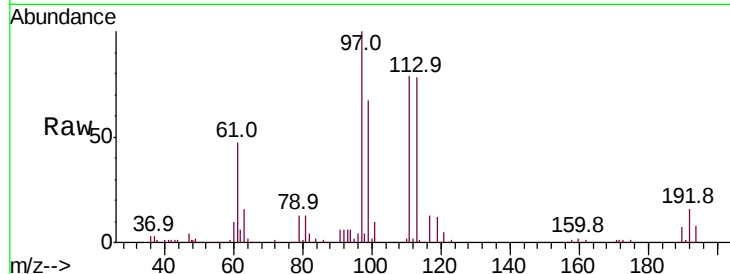
ClientSampled :

VSTDIC020

Tot Ion:	113	Resp:	48548
Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.4	125.2
192	20.0	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 16.003 ug/l

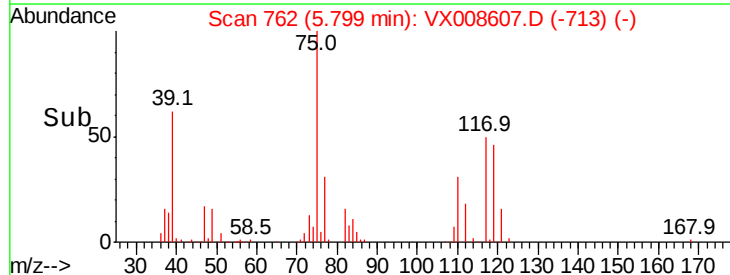
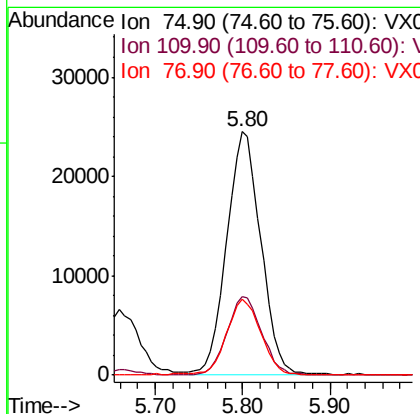
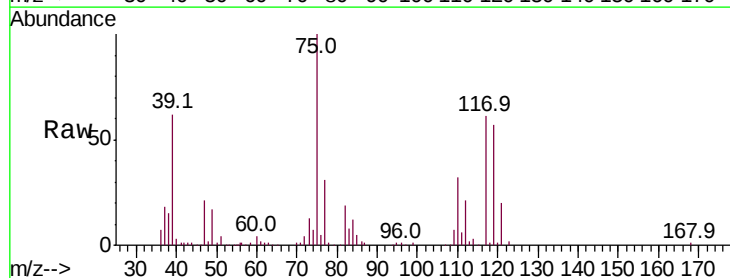
RT: 5.80 min Scan# 762

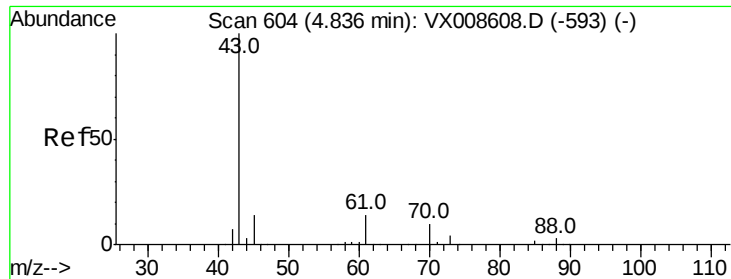
Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Tgt Ion:	75	Resp:	65948
Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.4	49.2
77	31.4	24.7	37.1





#37

Ethyl Acetate

Concen: 16.495 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX008607.D

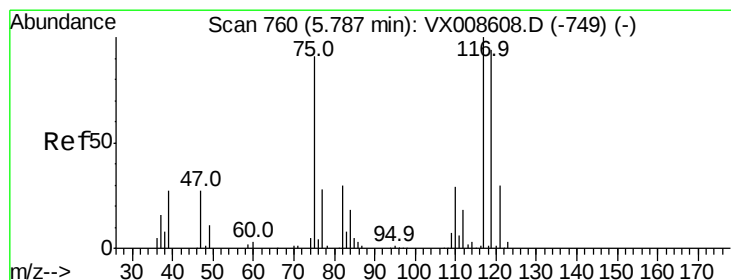
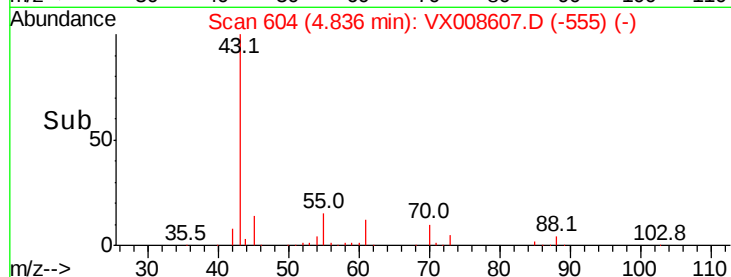
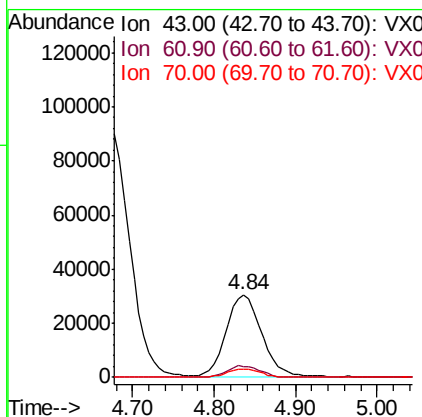
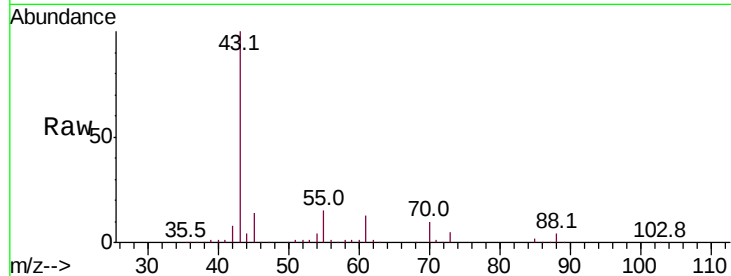
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.3	15.5
70	9.9	7.6	11.4

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#38

Carbon Tetrachloride

Concen: 16.416 ug/l

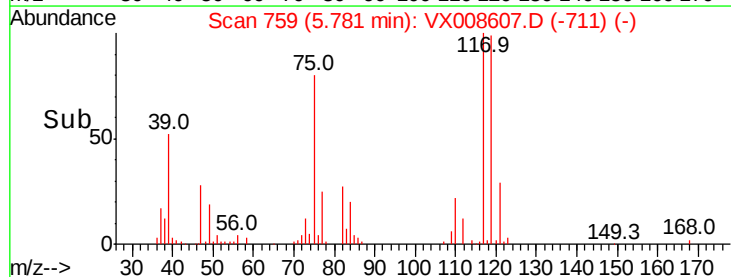
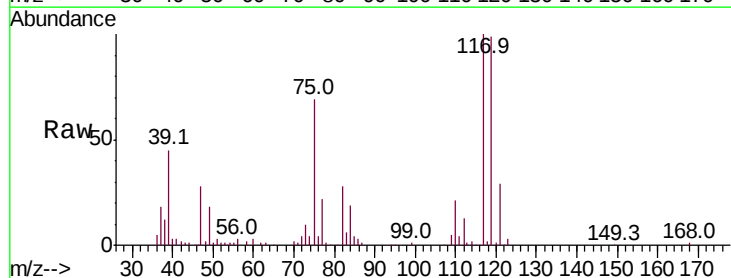
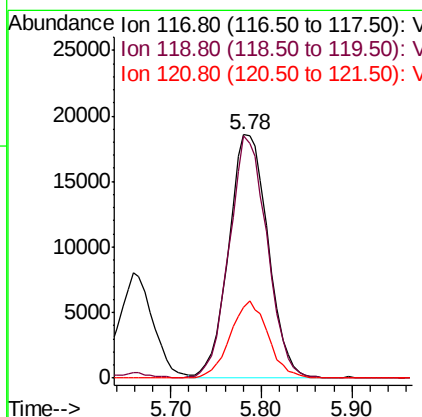
RT: 5.78 min Scan# 759

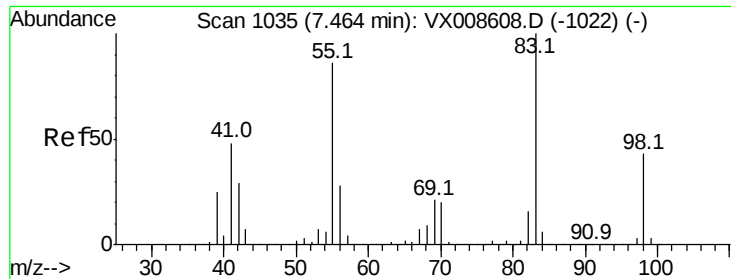
Delta R.T. -0.01 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.0	112.6
121	29.2	24.3	36.5





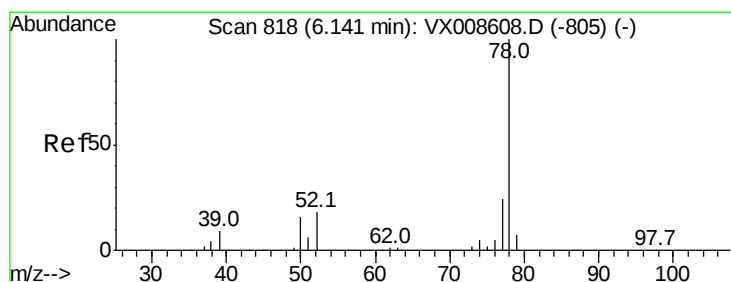
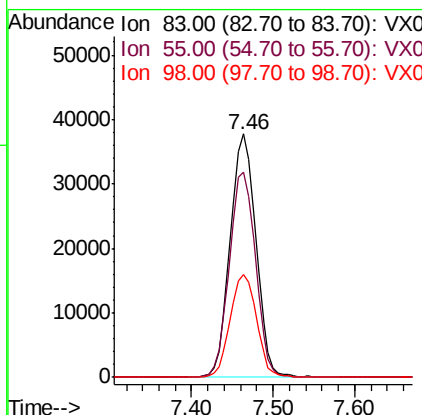
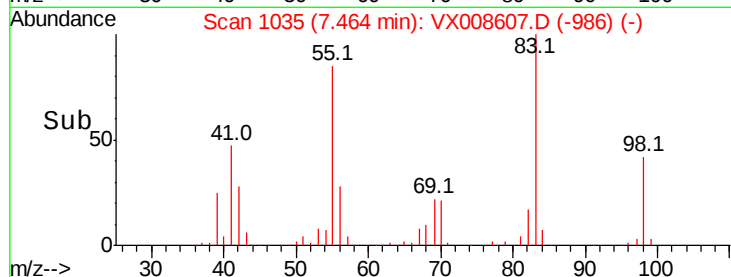
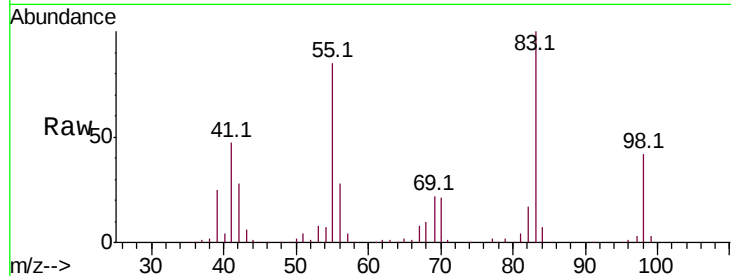
#39
Methvlcvclohexane
Concen: 16.165 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	69.0	103.6
98	42.5	34.4	51.6

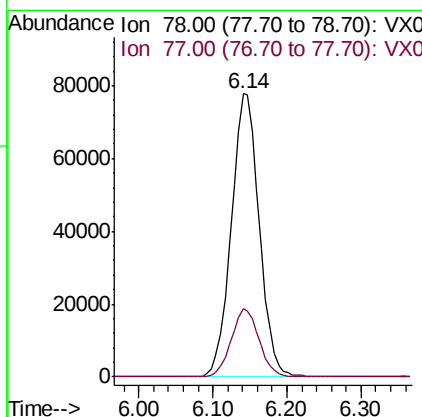
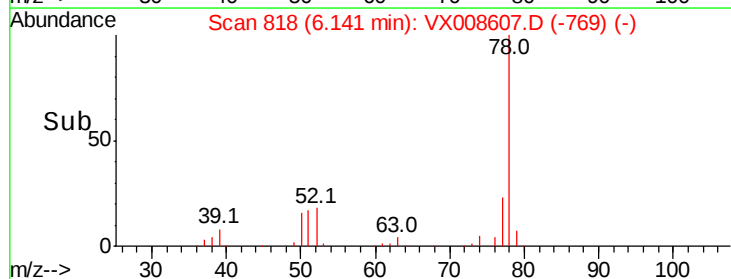
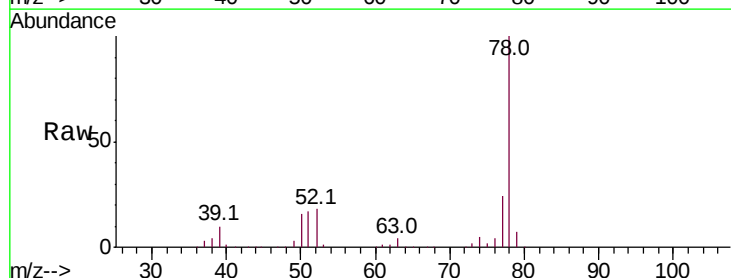
Manual Integrations
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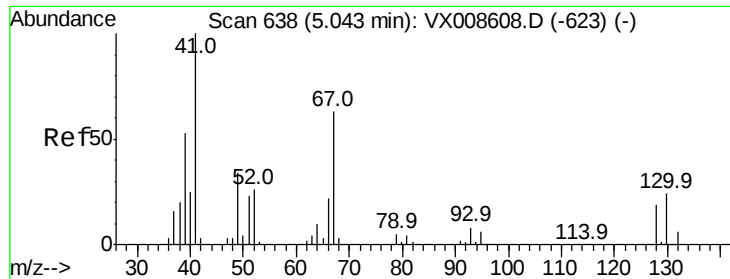
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#40
Benzene
Concen: 16.659 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





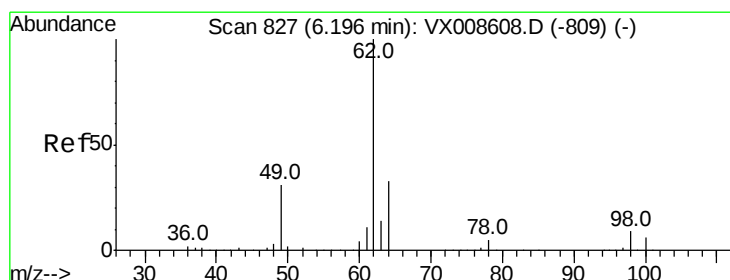
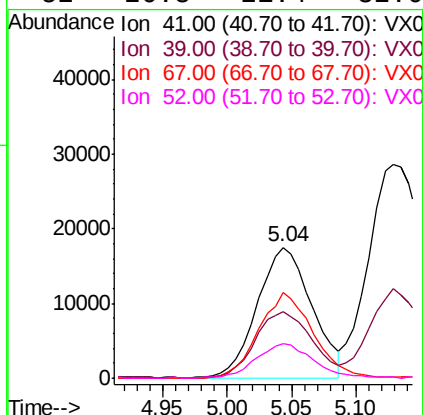
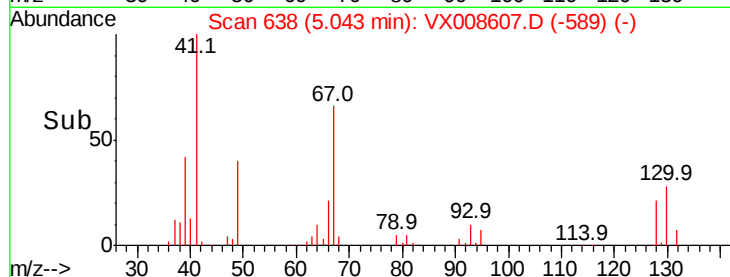
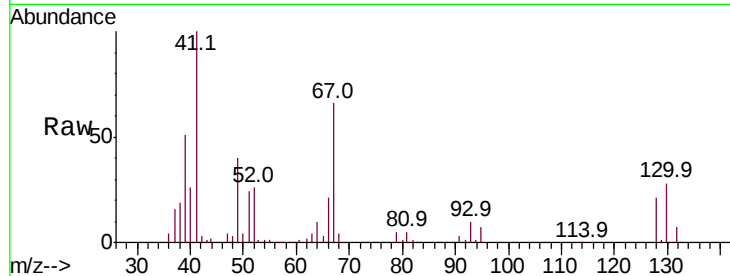
#41
Methacrylonitrile
Concen: 16.335 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.1	63.1	
67	65.6	51.0	76.6	
52	26.8	21.4	32.0	

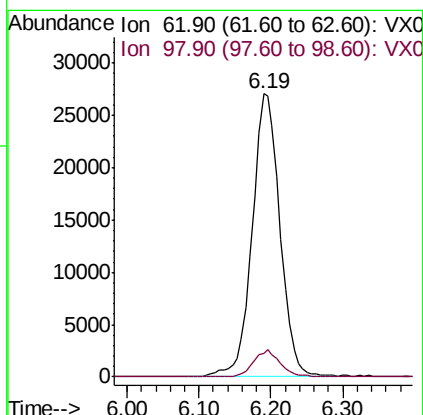
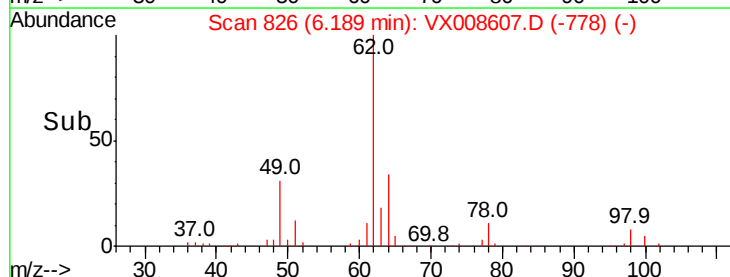
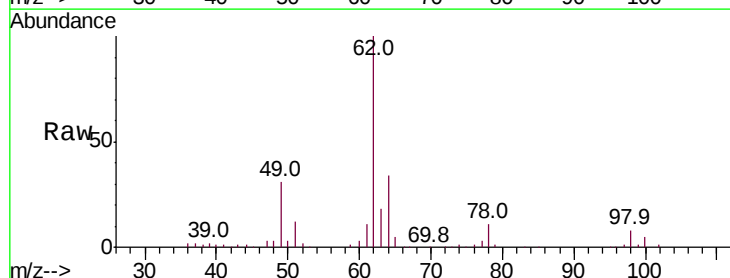
Manual Integrations
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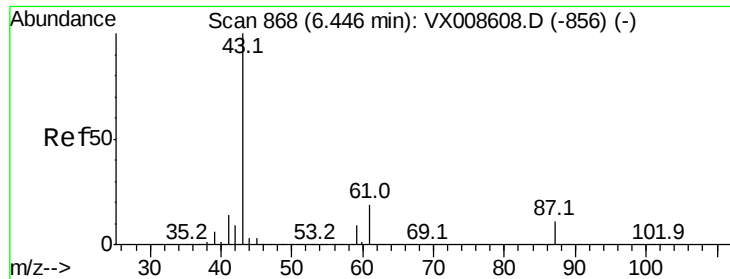
MMDadoda
4/4/2019 3:38:18 PM



#42
1,2-Dichloroethane
Concen: 16.505 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.0	





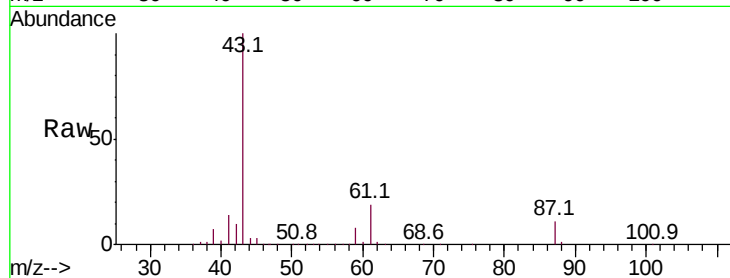
#43
Isopropyl Acetate
Concen: 16.518 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

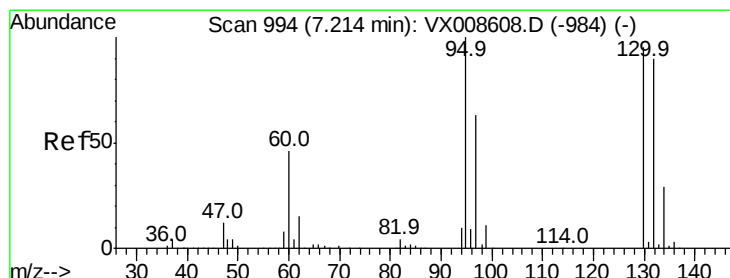
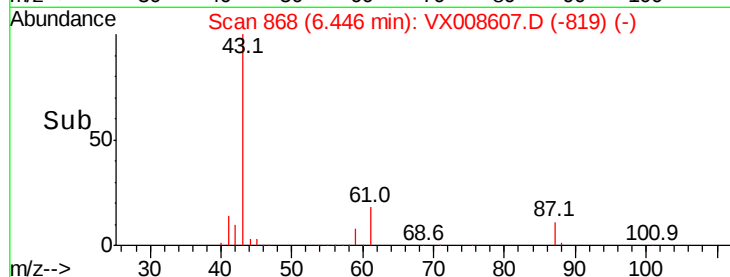
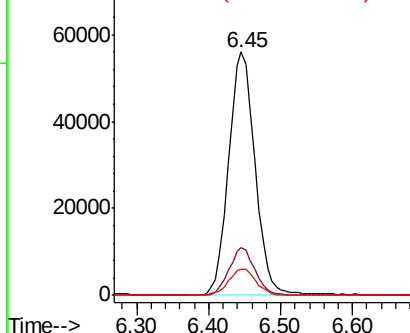
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.3	22.9
87	11.2	9.0	13.6

Manual Integrations
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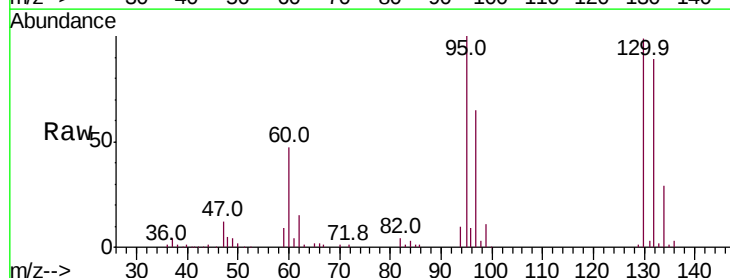


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

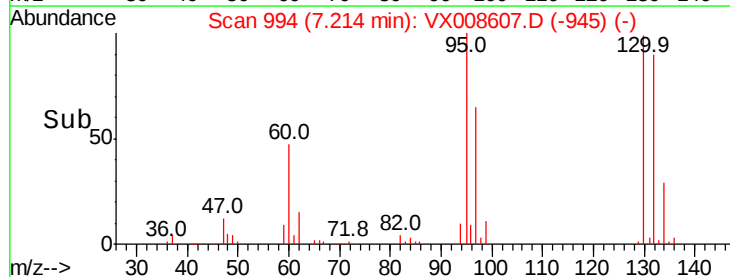
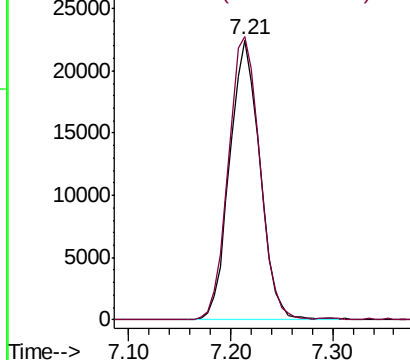


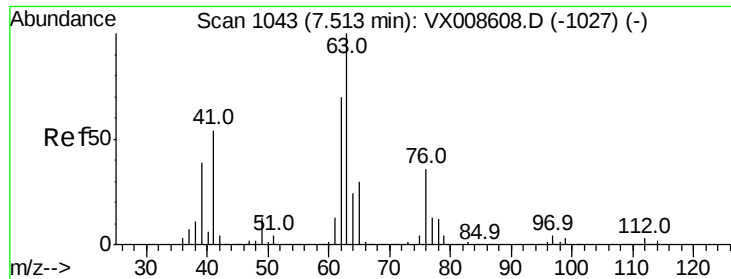
#44
Trichloroethene
Concen: 16.139 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	209.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





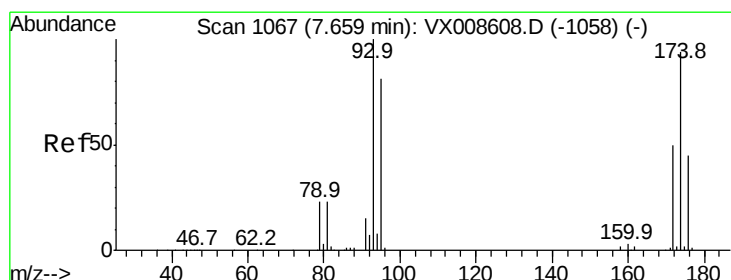
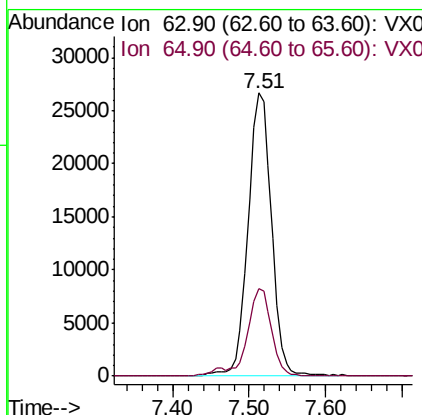
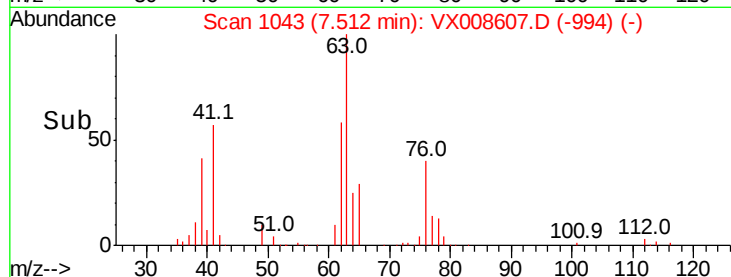
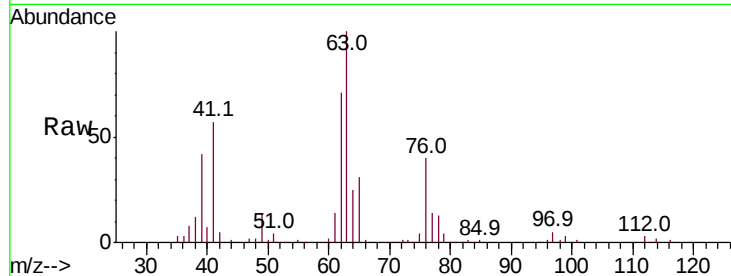
#45
 1,2-Dichloropropane
 Concen: 16.333 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 57233
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.4

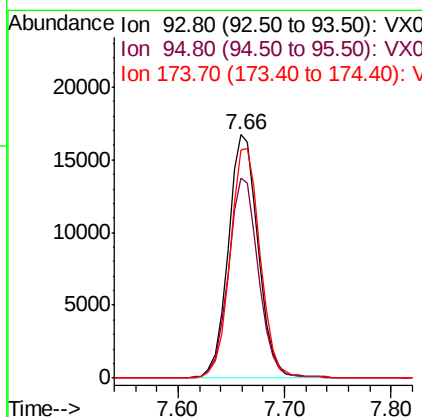
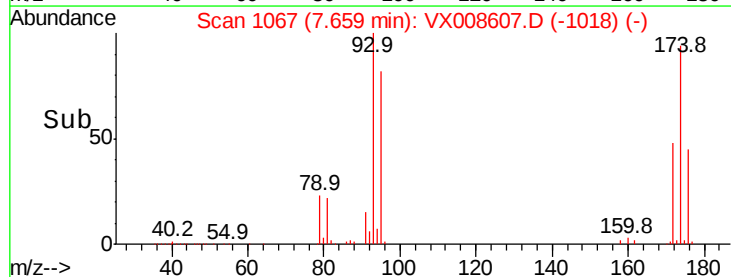
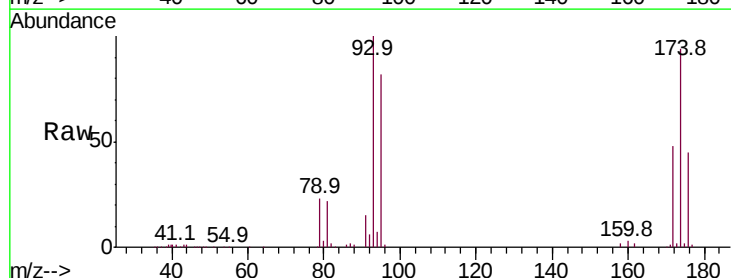
Manual Integrations
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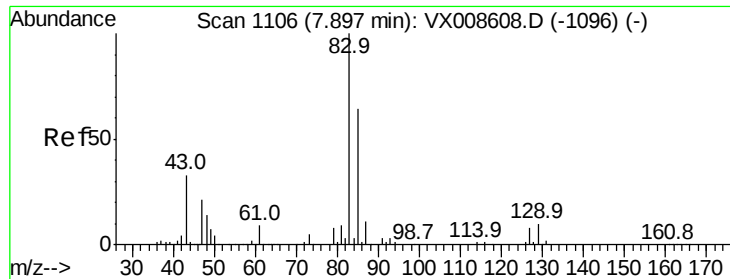
MMDadoda
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#46
 Dibromomethane
 Concen: 16.251 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion: 93 Resp: 33028
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 99.8
 174 94.6 77.7 116.5





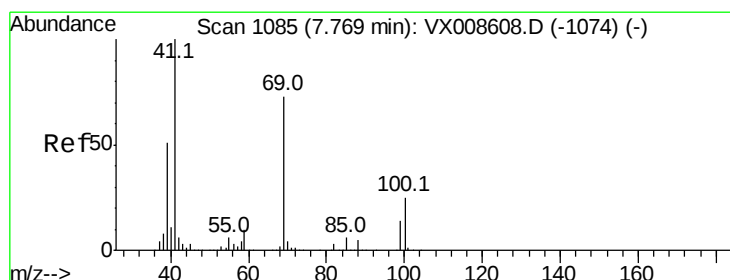
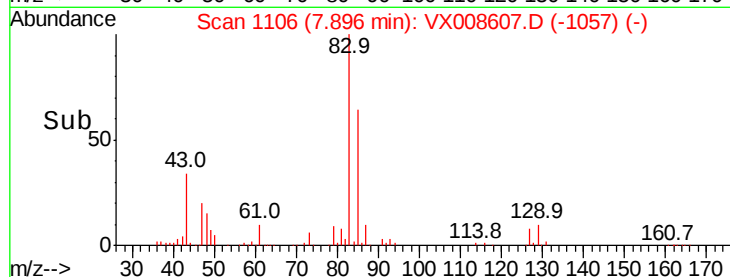
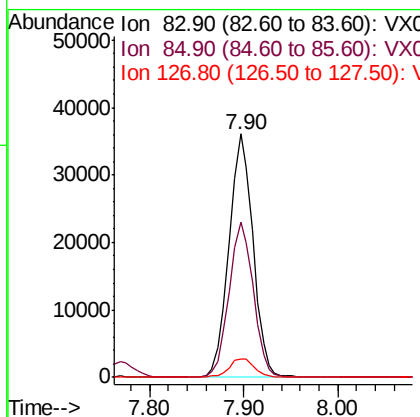
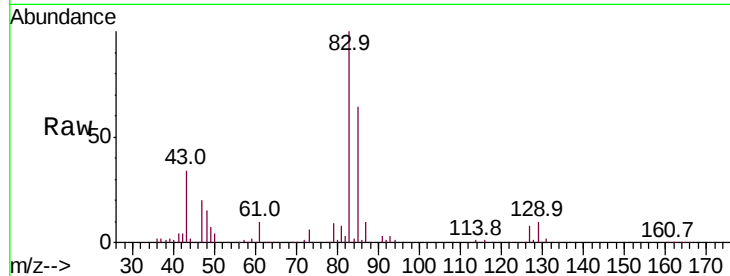
#47
Bromodichloromethane
Concen: 16.659 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	63837
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	7.5	6.6	10.0

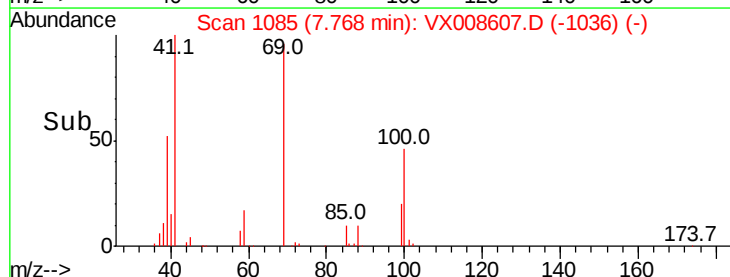
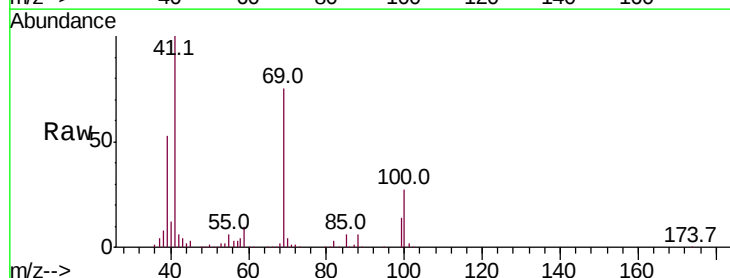
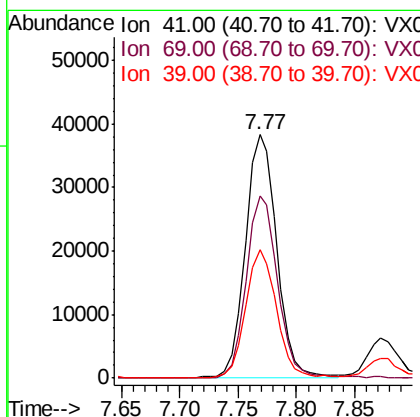
Manual Integrations
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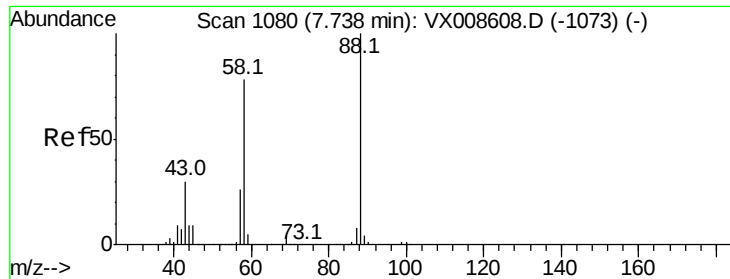
MMDadoda
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#48
Methyl methacrylate
Concen: 16.427 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	41	Resp	71602
Ion Ratio	100	Lower	Upper
41	100		
69	75.3	59.0	88.4
39	52.4	41.0	61.4





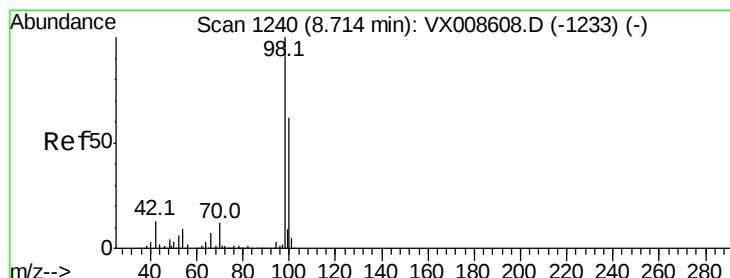
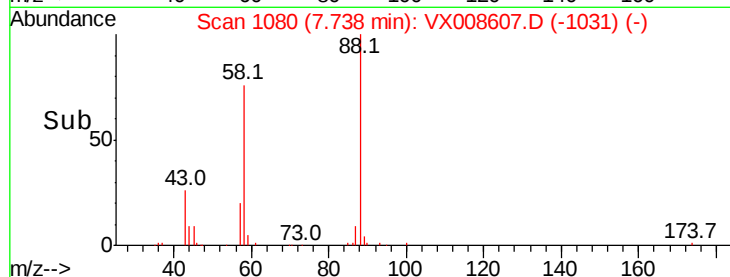
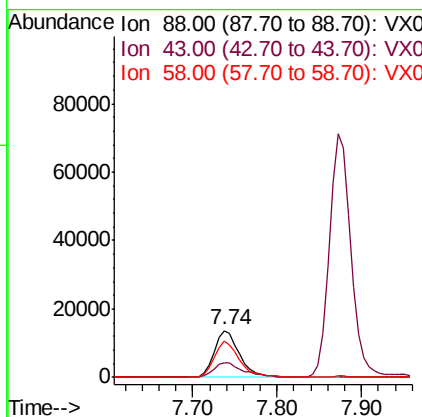
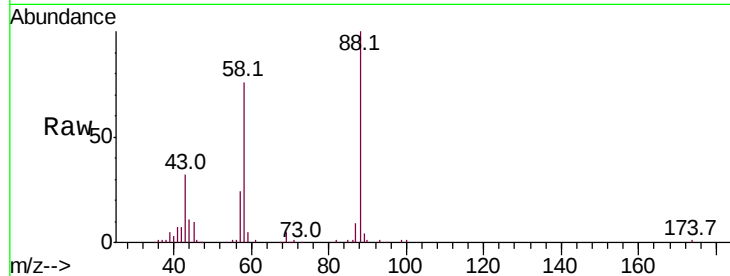
#49
1,4-Dioxane
Concen: 345.061 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.6	43.0
58	77.1	62.2	93.2

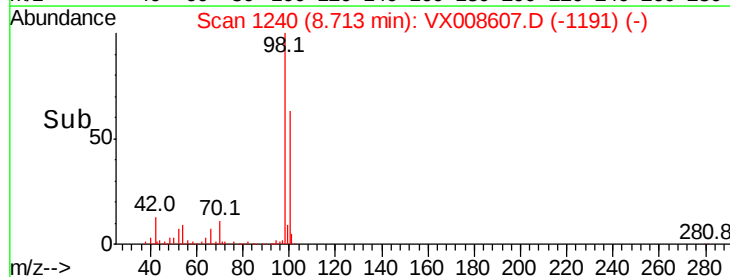
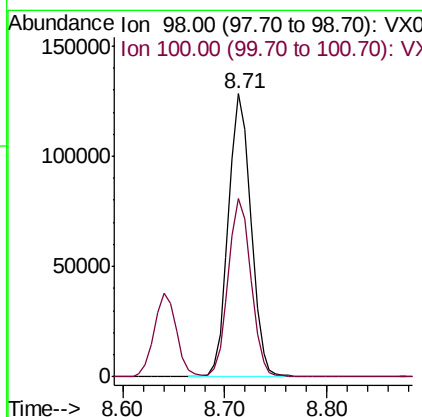
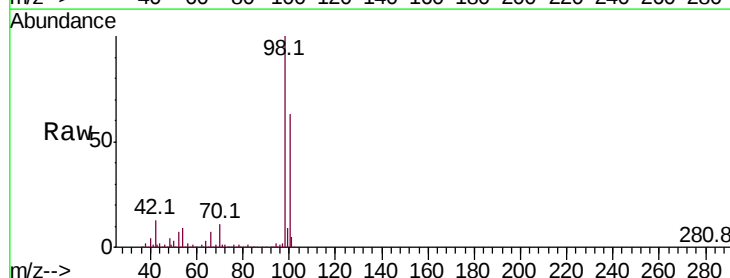
Manual Integrations
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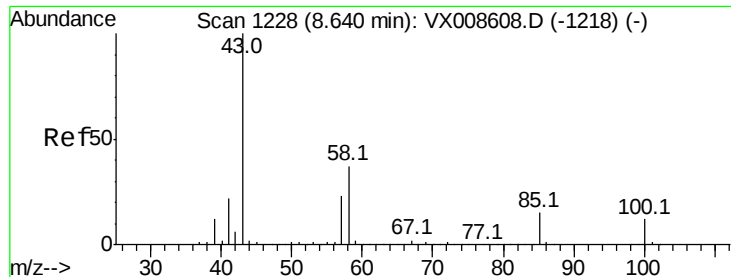
MMDadoda
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#50
Toluene-d8
Concen: 20.451 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 87.062 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 482927

Ion Ratio Lower Upper

43 100

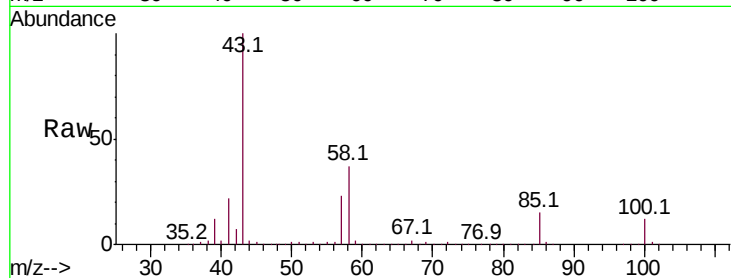
58 36.7 29.5 44.3

Manual Integrations

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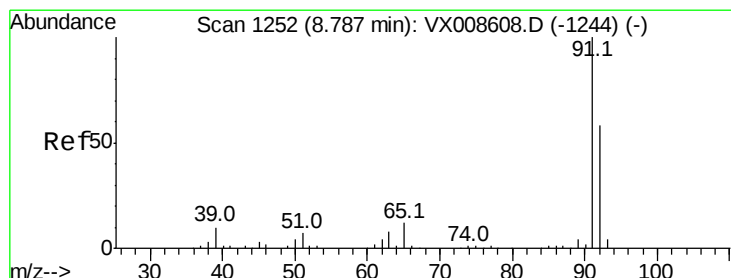
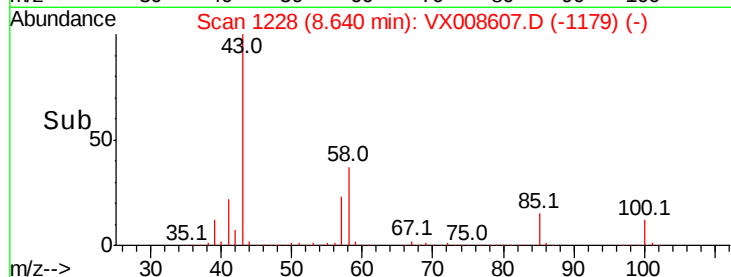
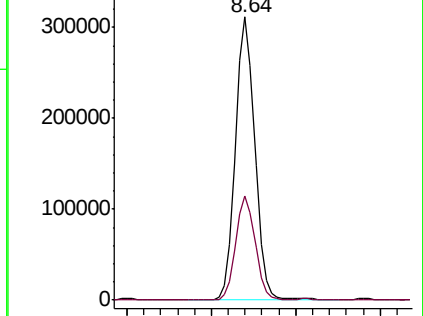
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 16.749 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008607.D

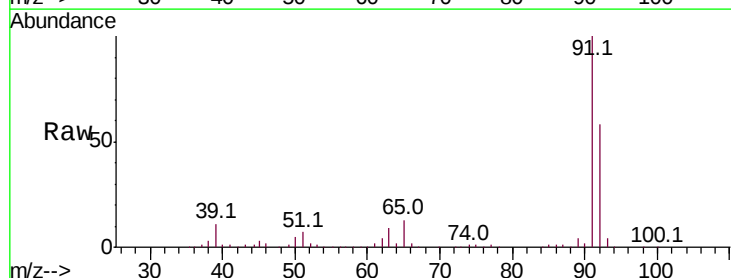
Acq: 03 Apr 2019 10:19

Tgt Ion: 92 Resp: 121223

Ion Ratio Lower Upper

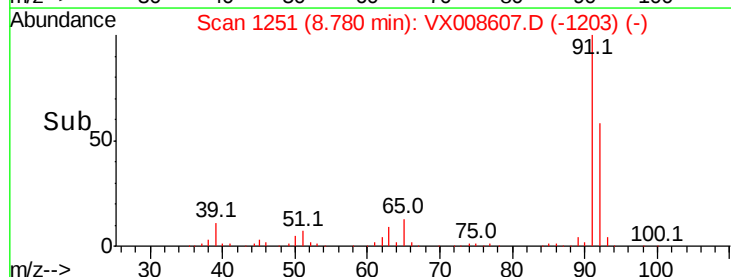
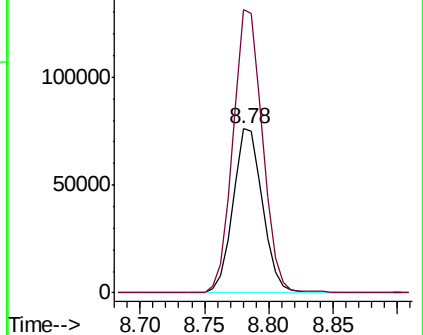
92 100

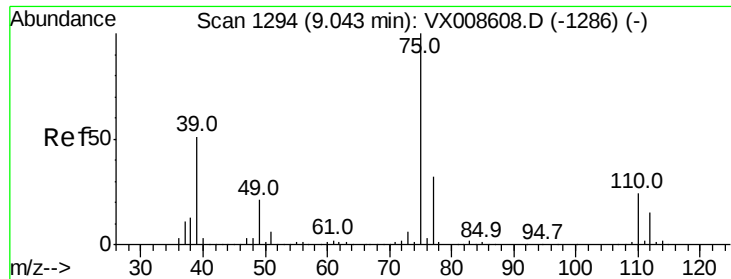
91 173.8 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





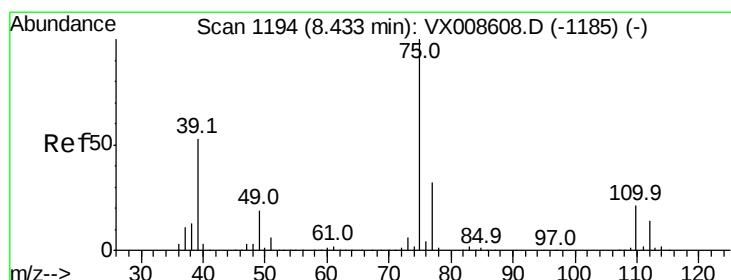
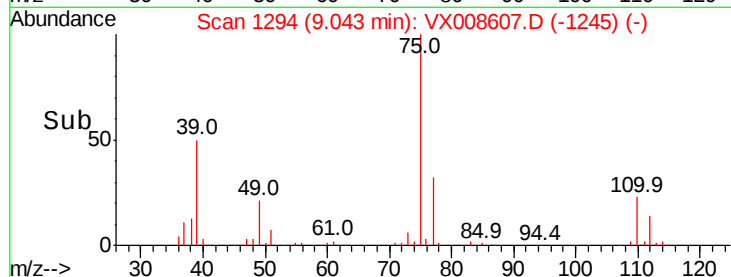
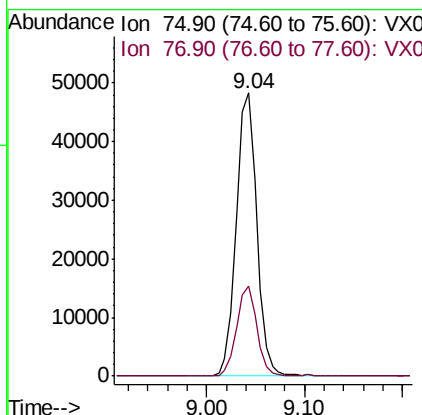
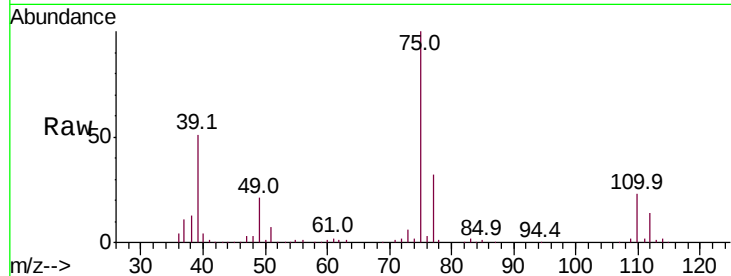
#53
t-1,3-Dichloropropene
Concen: 16.468 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 70686
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

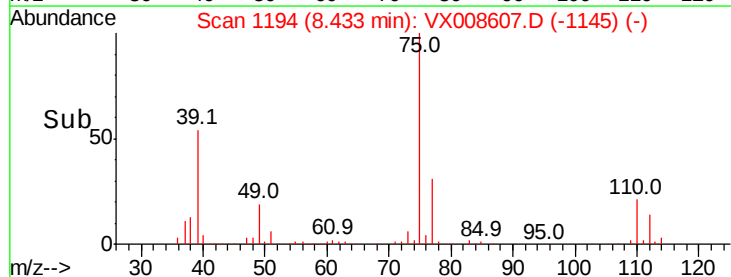
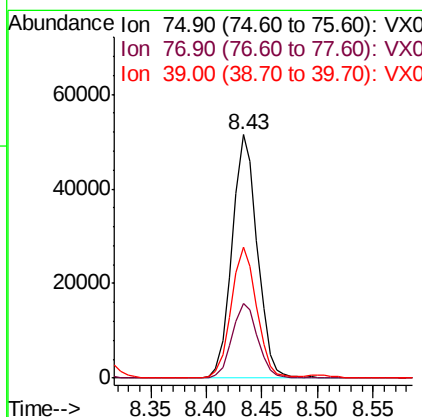
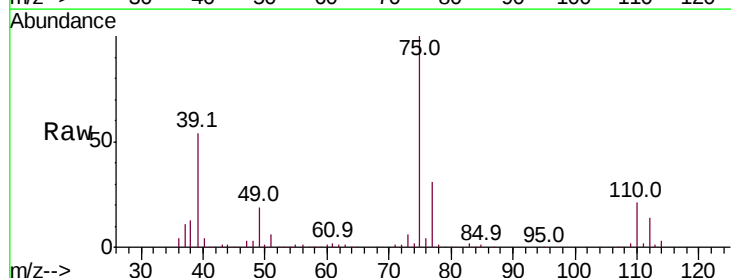
Manual Integrations
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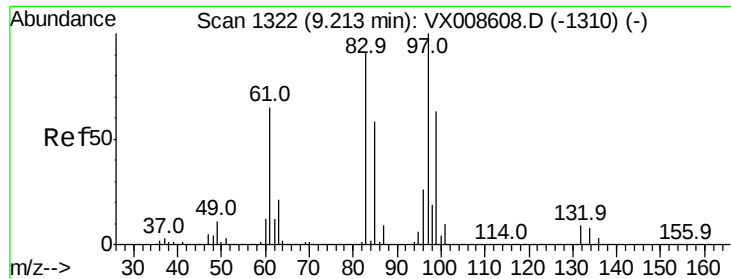
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#54
cis-1,3-Dichloropropene
Concen: 16.500 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion: 75 Resp: 80928
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9
39 53.6 42.6 63.8





#55

1,1,2-Trichloroethane

Concen: 16.873 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

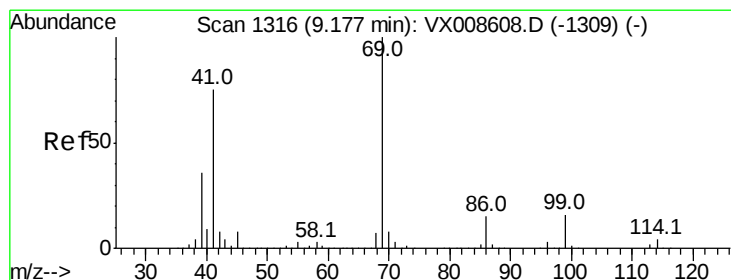
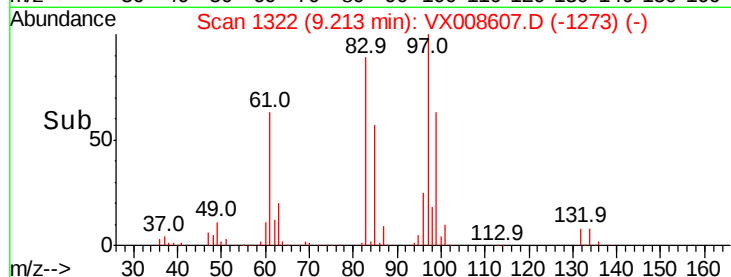
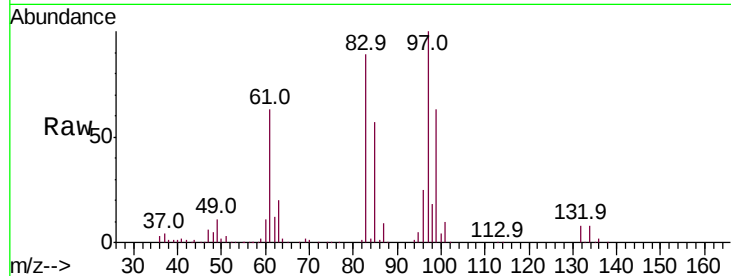
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	49021
Ion	Ratio	Lower	Upper
97	100		
83	89.5	73.2	109.8
85	57.2	46.6	69.8
99	63.0	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 16.990 ug/l

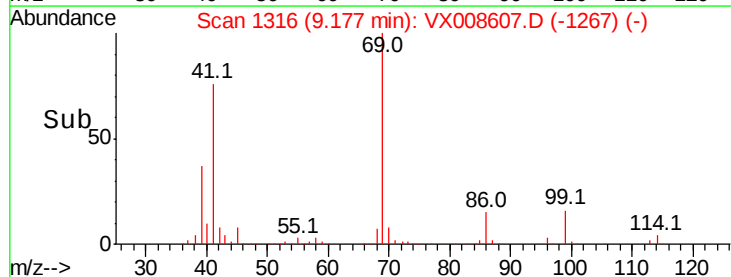
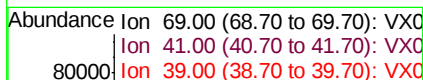
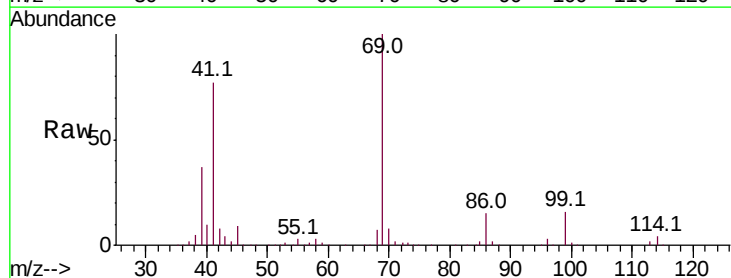
RT: 9.18 min Scan# 1316

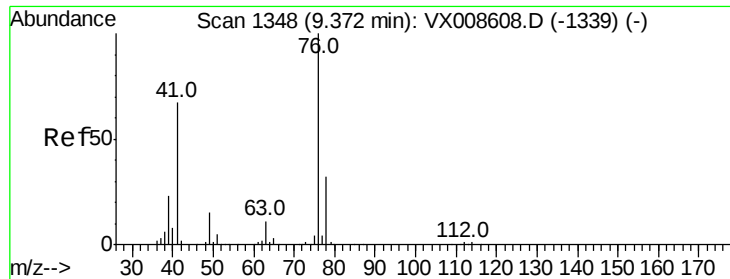
Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Tgt Ion:	69	Resp:	89313
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.1	90.1
39	36.4	28.9	43.3





#57

1,3-Dichloropropane

Concen: 16.667 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 86952

Ion Ratio Lower Upper

76 100

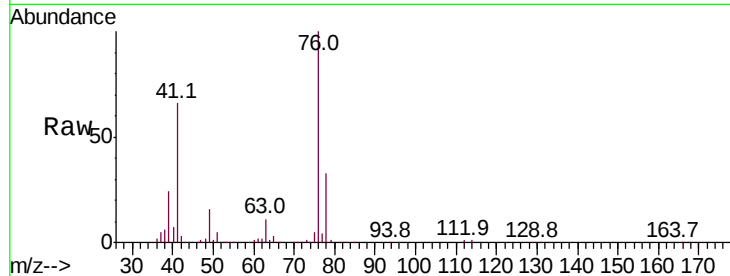
78 32.9 25.6 38.4

Manual Integrations

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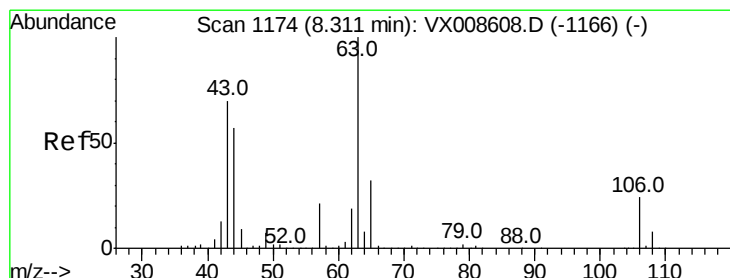
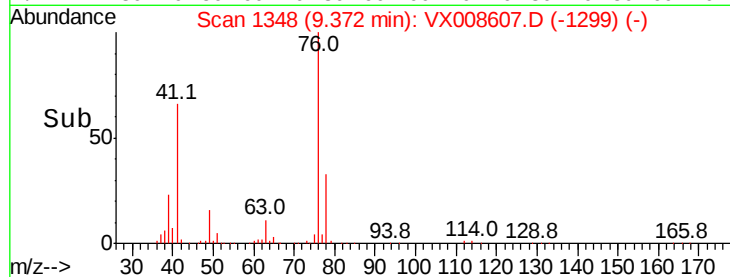
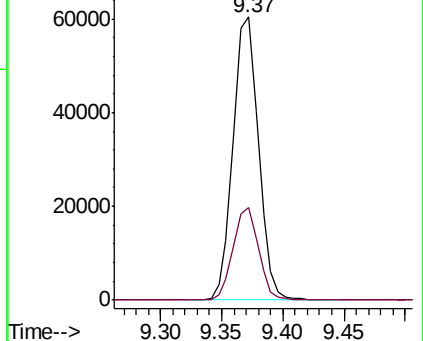
MMDadoda

4/4/2019 3:38:18 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 96.229 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008607.D

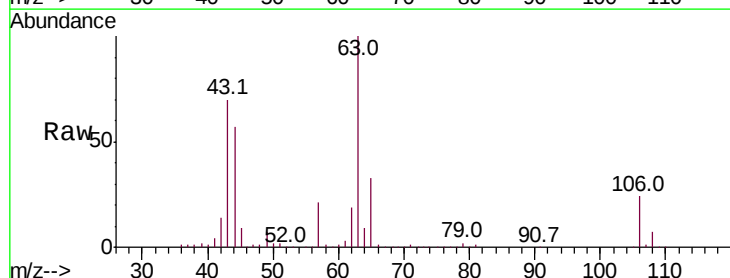
Acq: 03 Apr 2019 10:19

Tgt Ion: 63 Resp: 258294

Ion Ratio Lower Upper

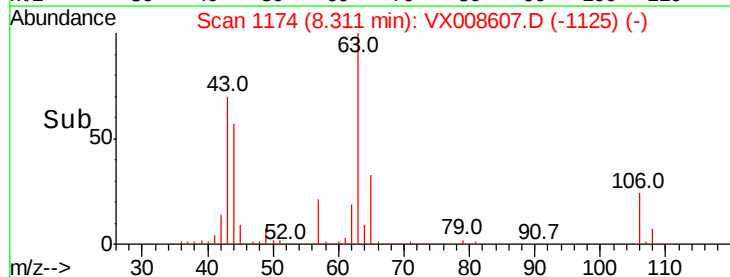
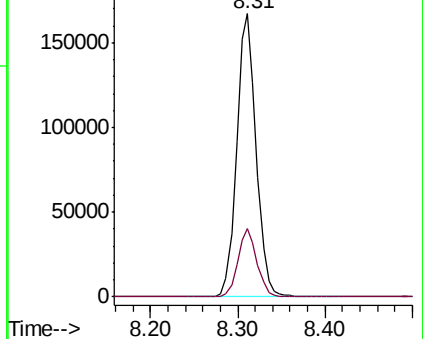
63 100

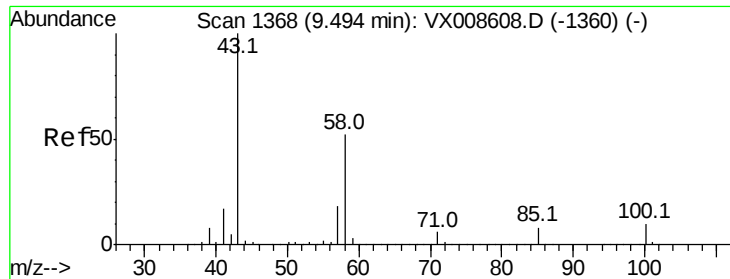
106 23.6 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





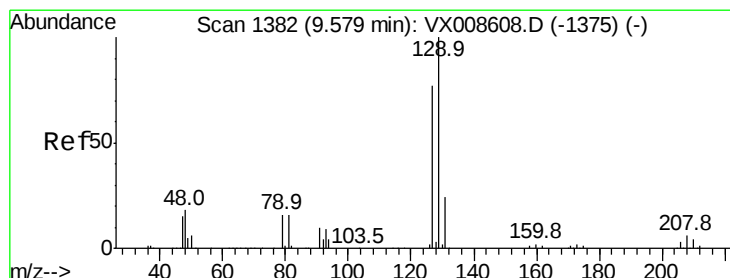
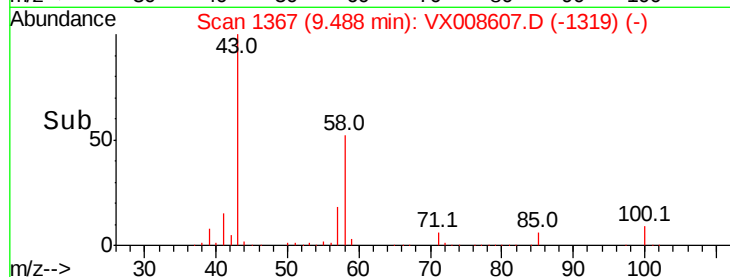
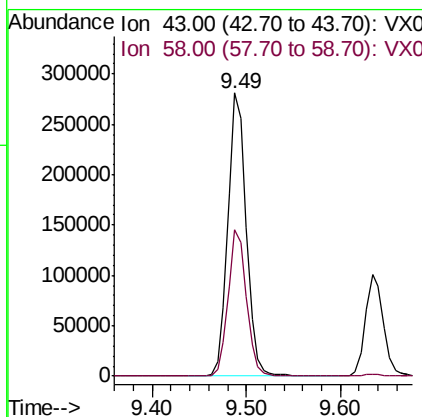
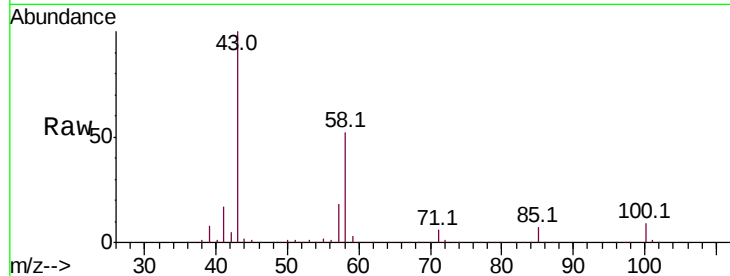
#59
2-Hexanone
Concen: 88.166 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 380062
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.7

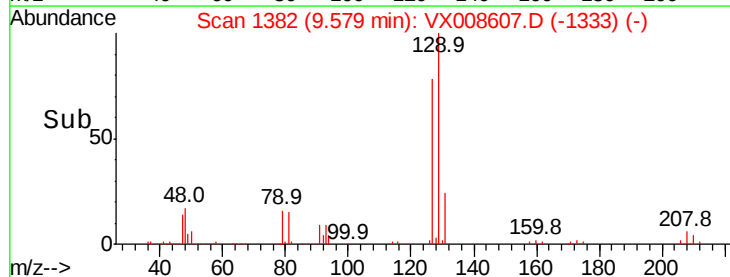
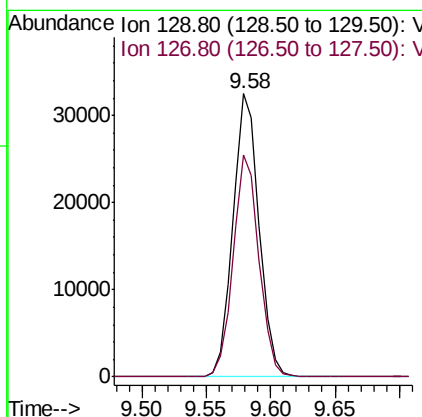
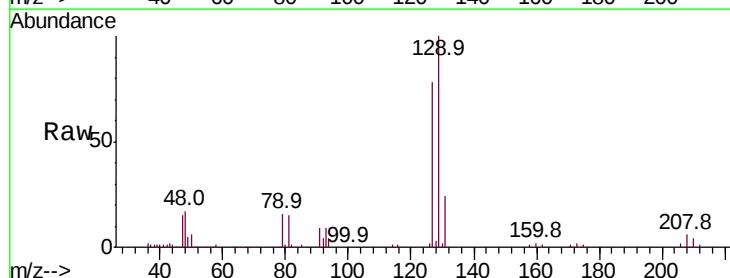
Manual Integrations
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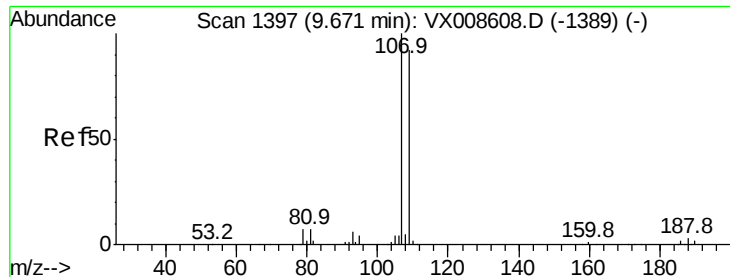
MMDadoda
4/4/2019 3:38:18 PM



#60
Dibromochloromethane
Concen: 16.772 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion: 129 Resp: 45918
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





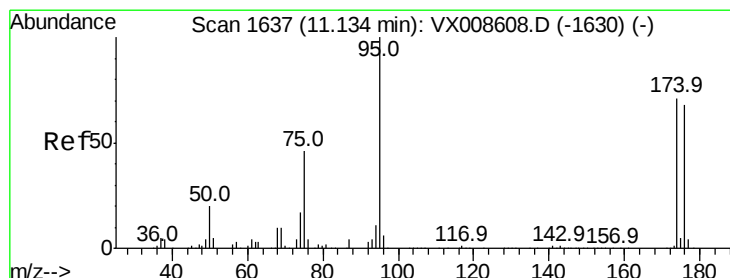
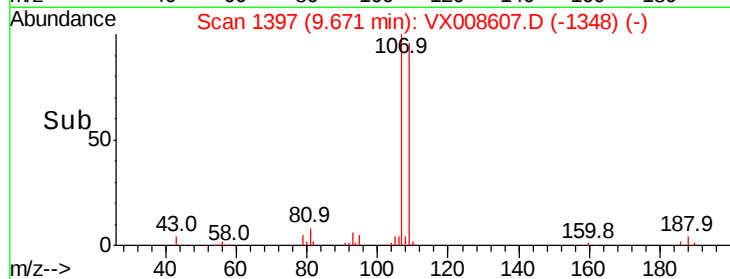
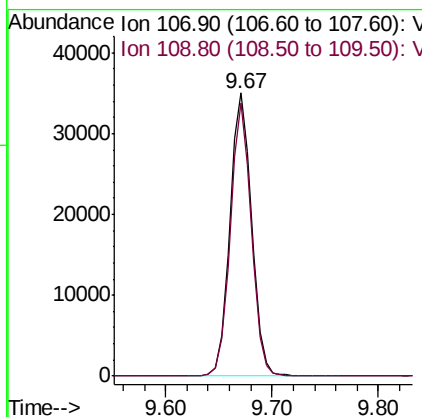
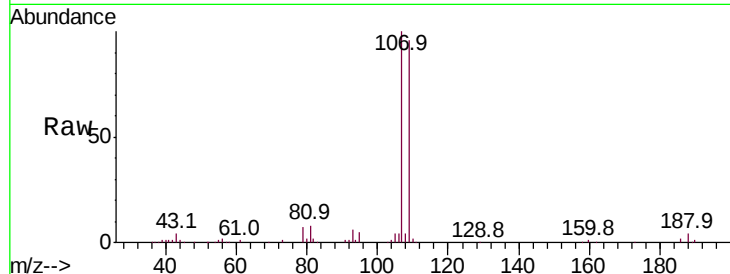
#61
 1,2-Dibromoethane
 Concen: 16.538 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.1	111.1

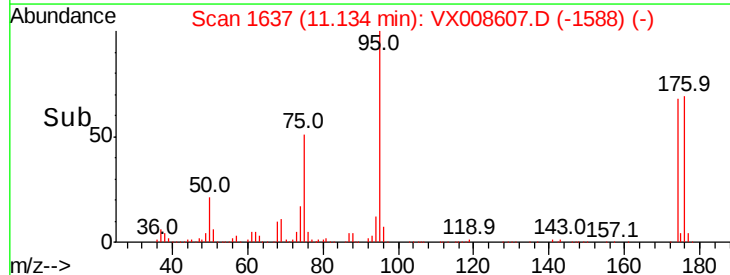
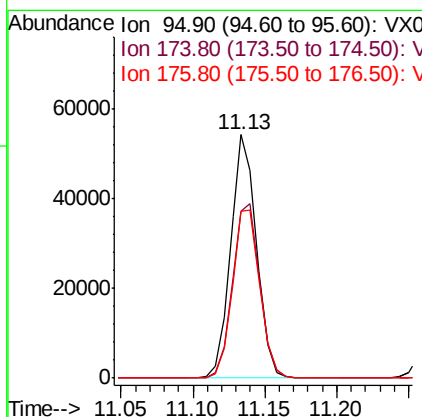
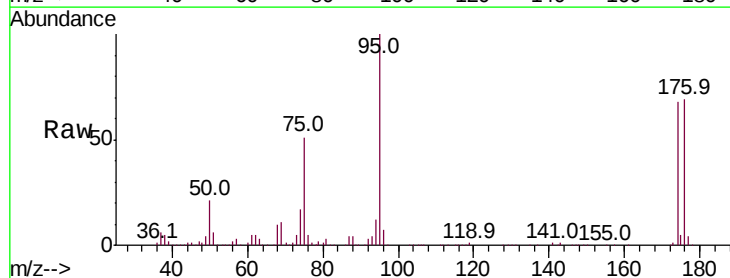
Manual Integrations
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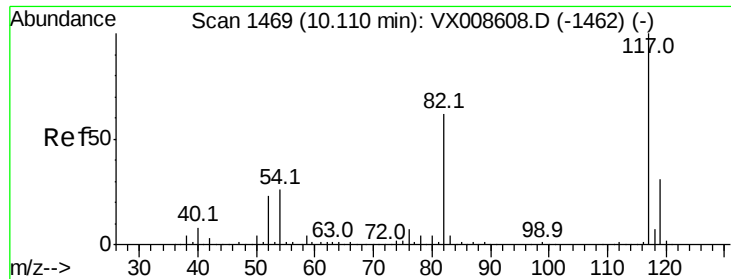
MMDadoda
 4/4/2019 3:38:18 PM



#62
 4-Bromofluorobenzene
 Concen: 20.072 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	151.8
176	73.2	0.0	145.8





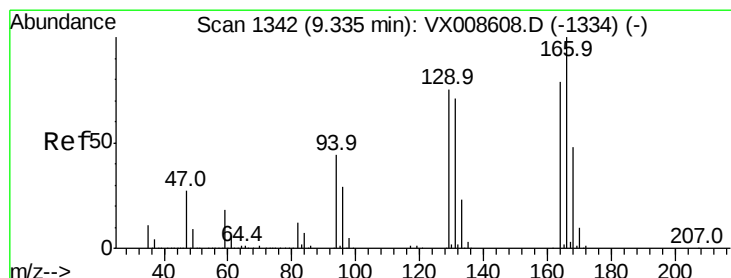
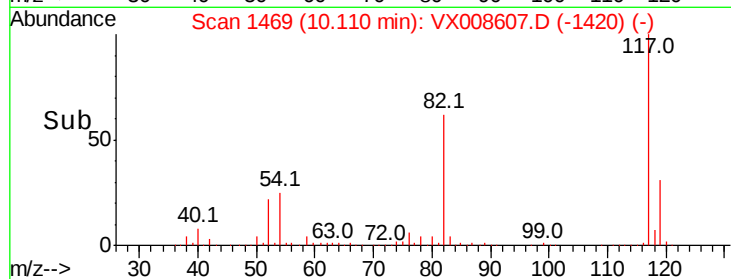
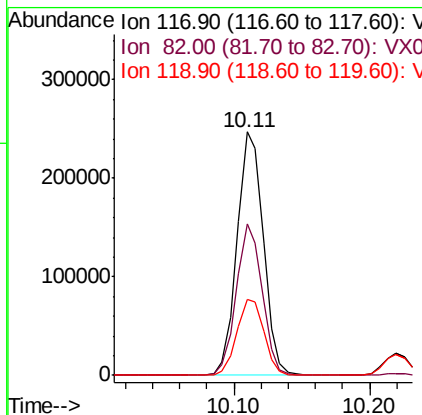
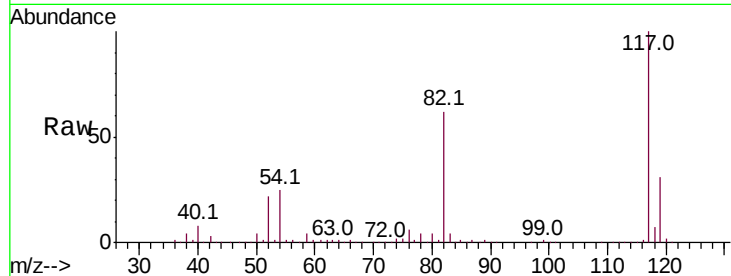
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	49.6	74.4
119	31.2	25.0	37.4

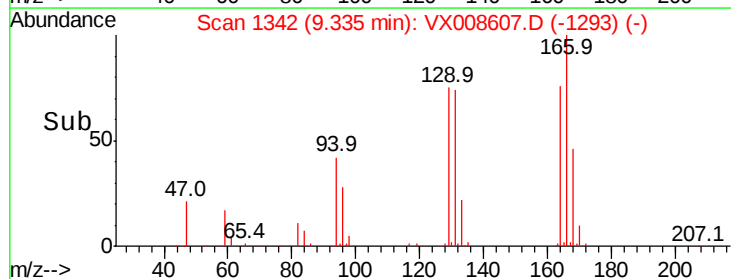
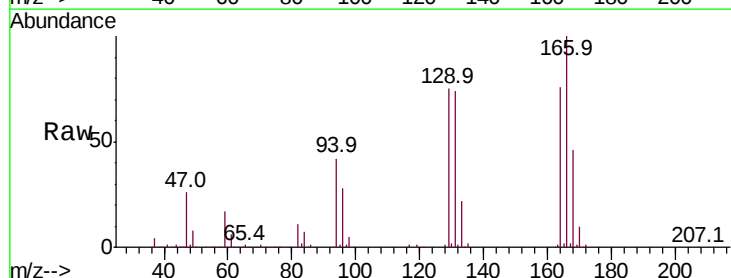
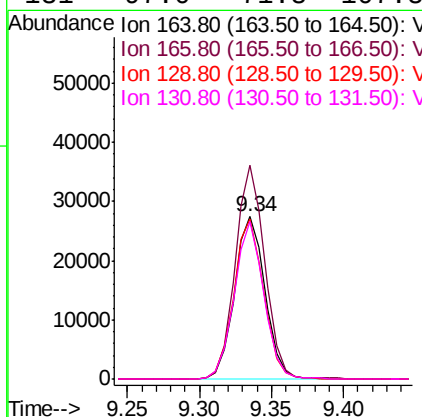
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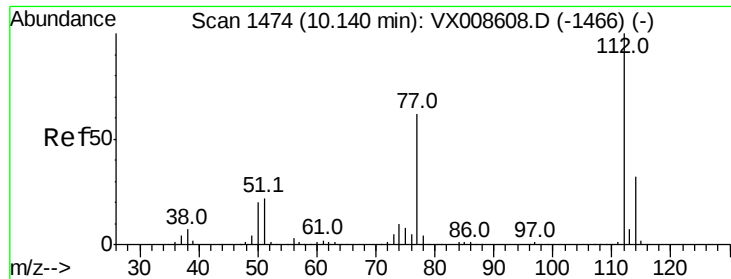
MMDadoda
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#64
Tetrachloroethene
Concen: 16.413 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.0	151.6
129	98.9	75.8	113.8
131	97.0	71.8	107.8





#65

Chlorobenzene

Concen: 16.470 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 121343

Ion Ratio Lower Upper

112 100

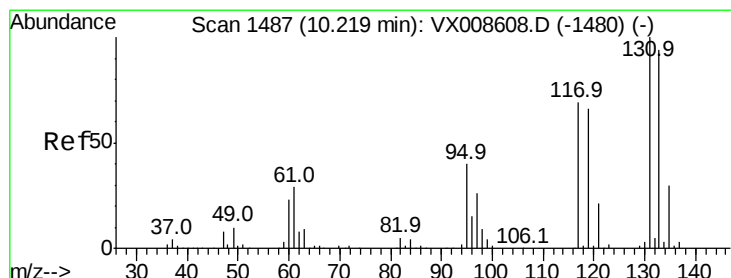
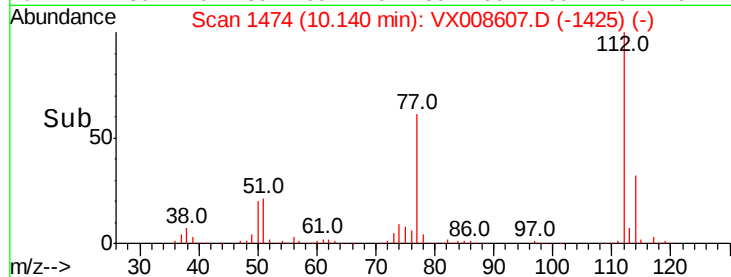
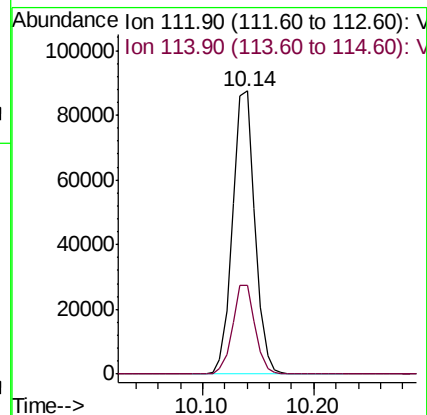
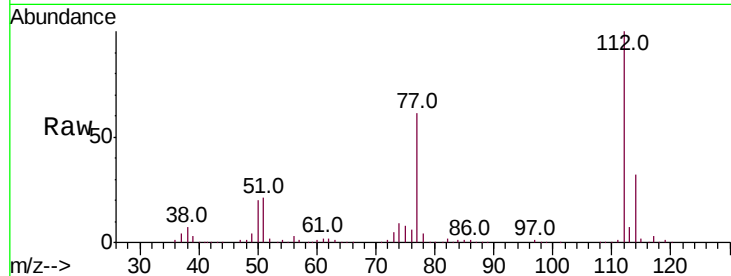
114 31.5 25.8 38.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 16.298 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

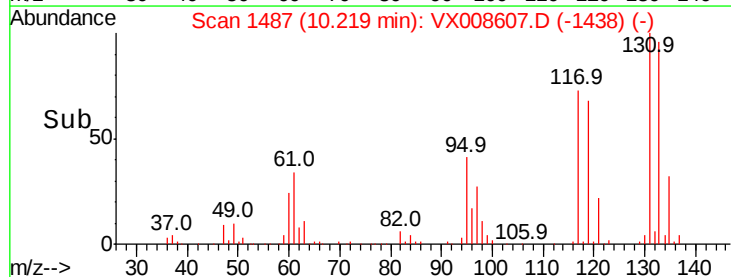
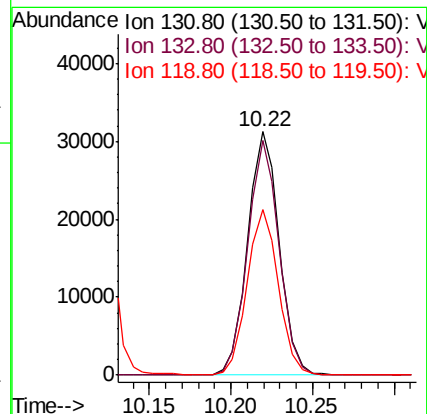
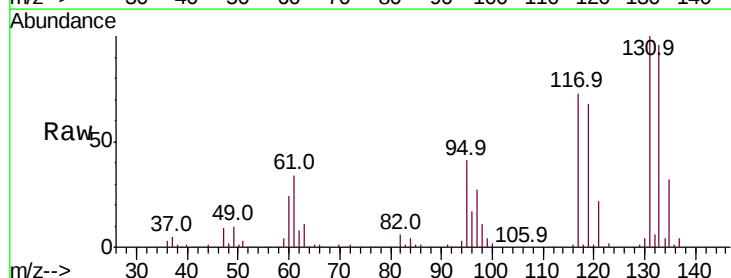
Tgt Ion:131 Resp: 42126

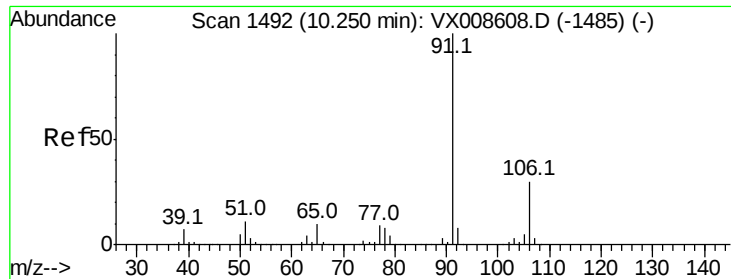
Ion Ratio Lower Upper

131 100

133 95.8 47.0 141.2

119 67.6 33.7 101.0





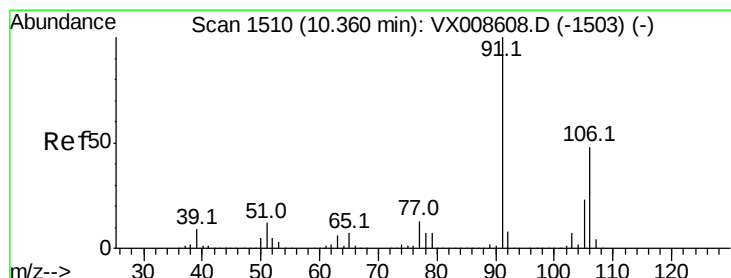
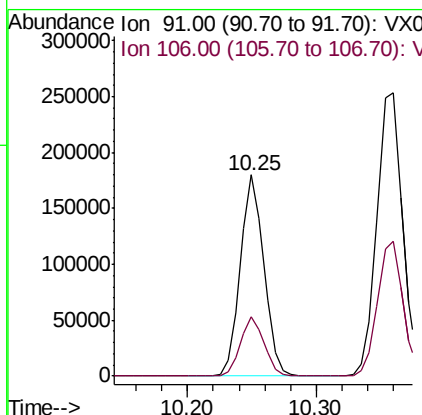
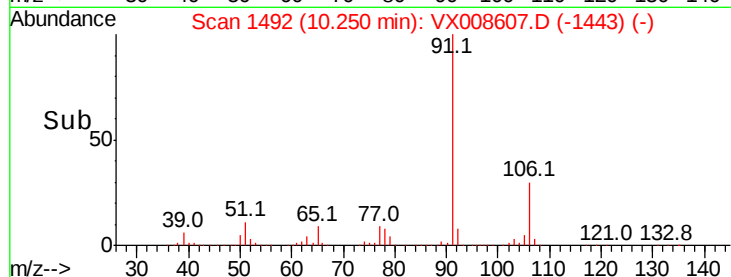
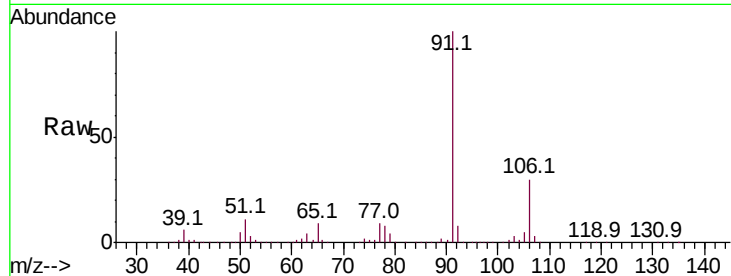
#67
Ethyl Benzene
Concen: 16.572 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 227670
Ion Ratio Lower Upper
91 100
106 29.6 23.7 35.5

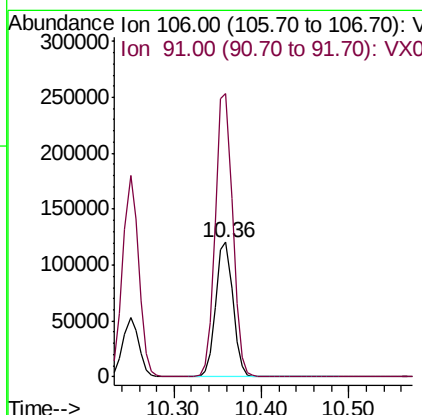
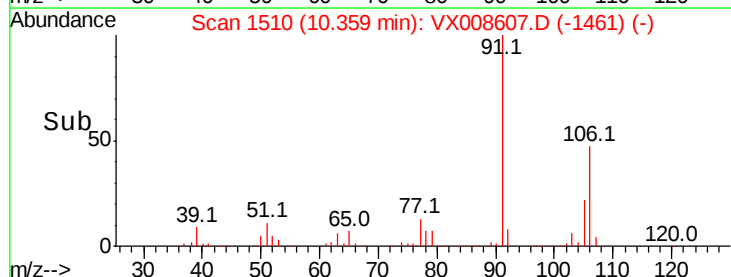
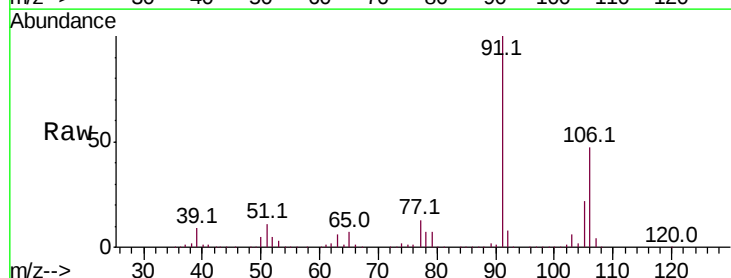
Manual Integrations
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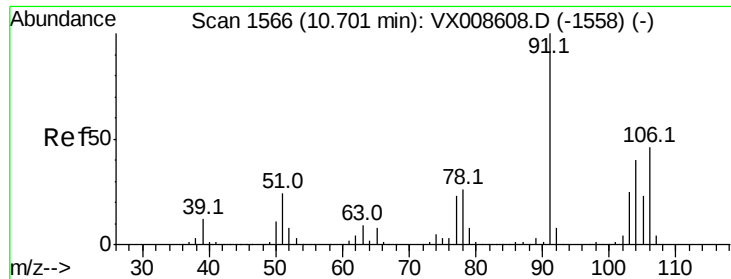
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#68
m/p-Xylenes
Concen: 33.220 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion: 106 Resp: 164094
Ion Ratio Lower Upper
106 100
91 211.3 168.5 252.7





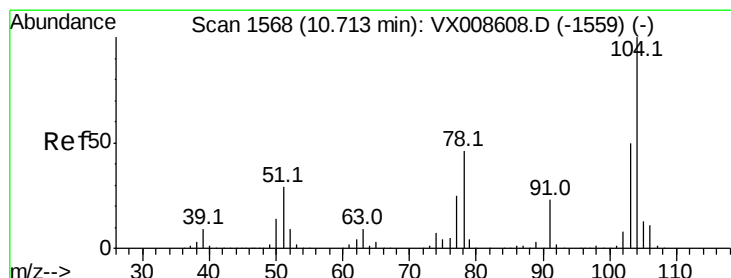
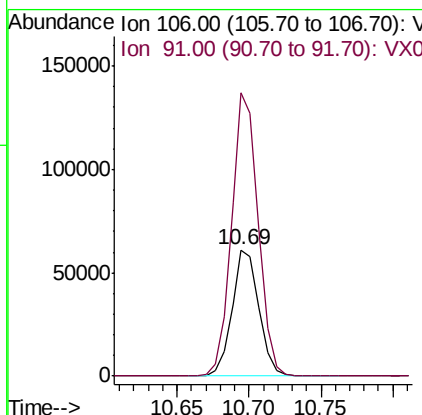
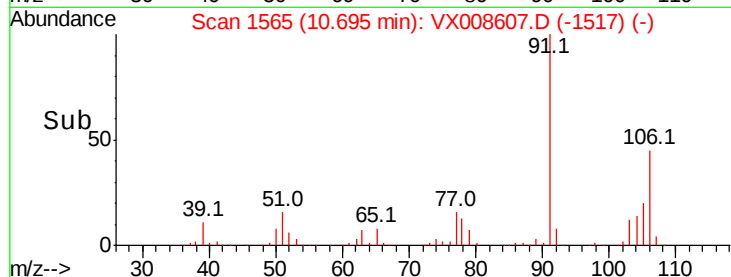
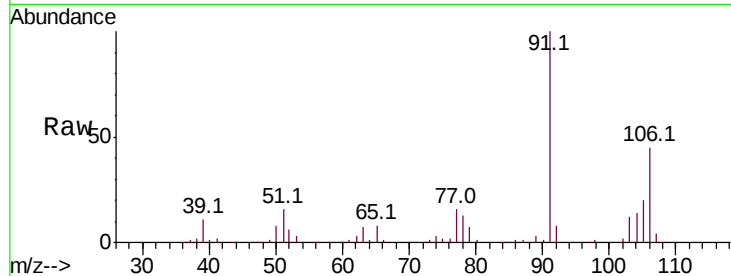
#69
o-Xylene
Concen: 16.623 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 79574
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.4

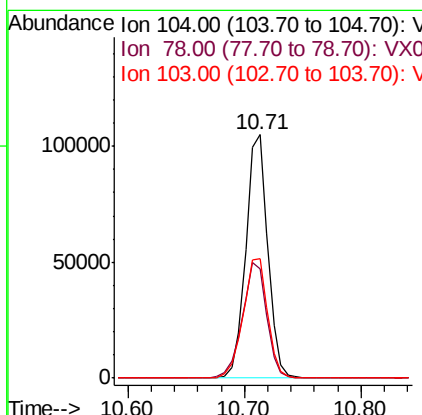
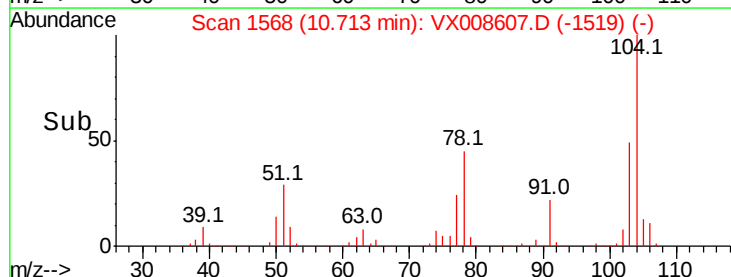
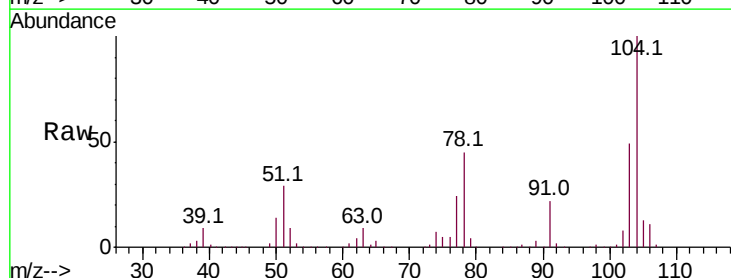
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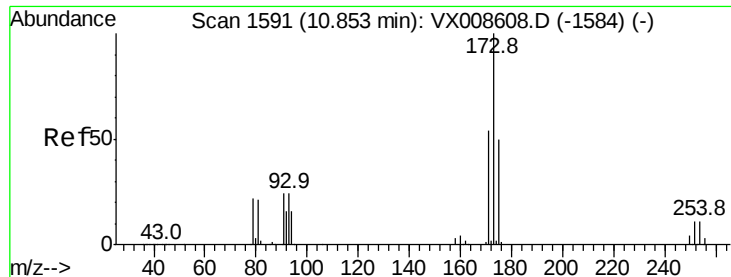
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#70
Styrene
Concen: 16.821 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion:104 Resp: 138799
Ion Ratio Lower Upper
104 100
78 52.7 42.3 63.5
103 54.7 44.4 66.6





#71

Bromoform

Concen: 16.254 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 32087

Ion Ratio Lower Upper

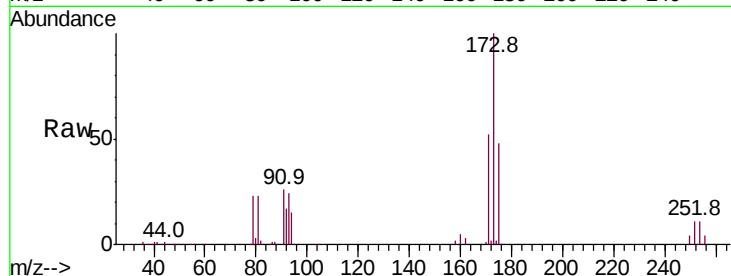
173 100

175 48.3 24.9 74.6

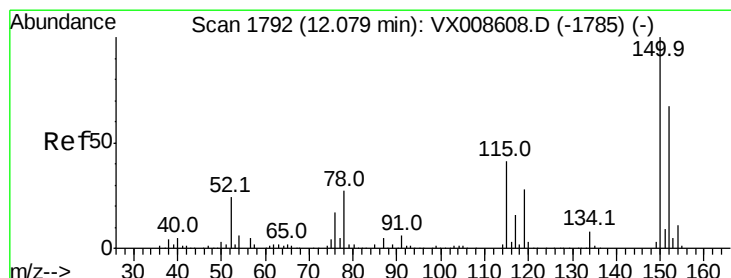
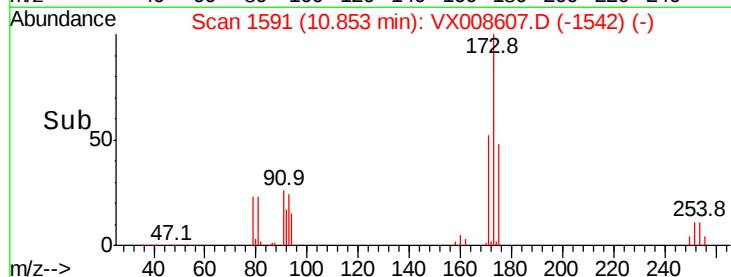
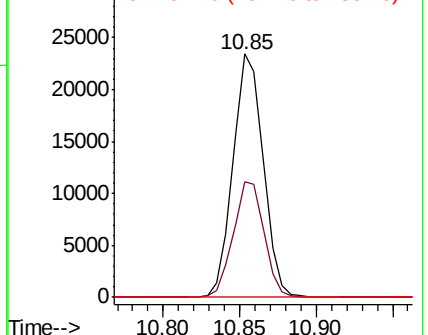
254 0.3 0.1 0.1#

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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: VX008607.D

Acq: 03 Apr 2019 10:19

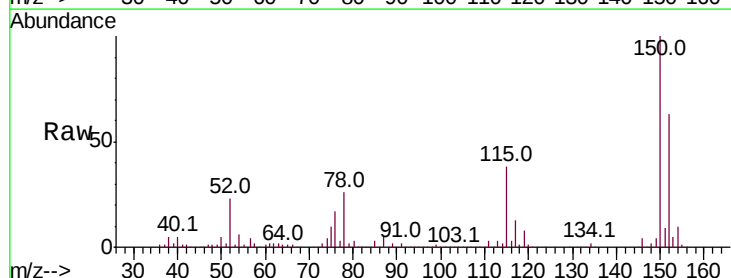
Tgt Ion:152 Resp: 149366

Ion Ratio Lower Upper

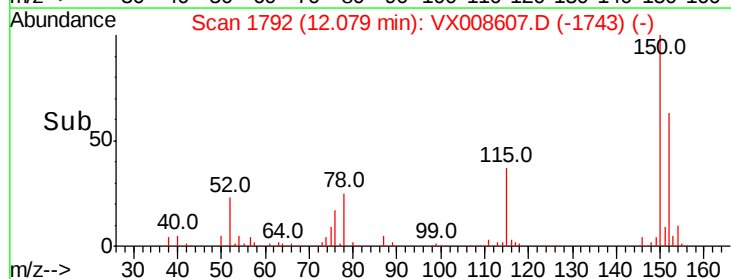
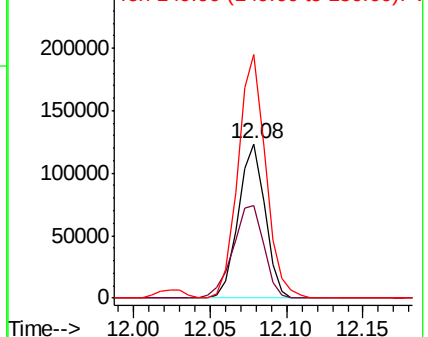
152 100

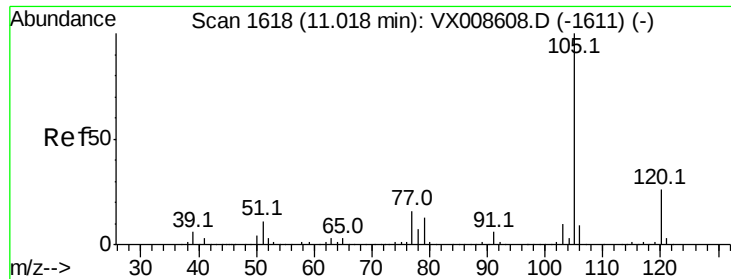
115 69.4 43.5 130.5

150 163.5 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





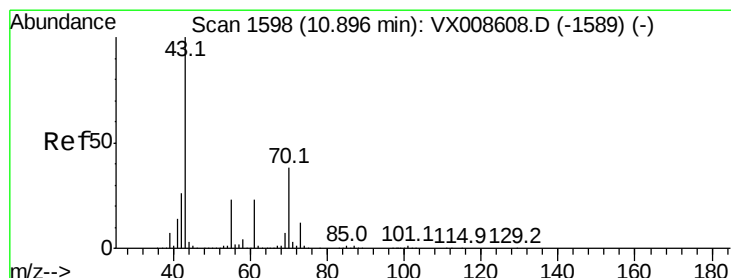
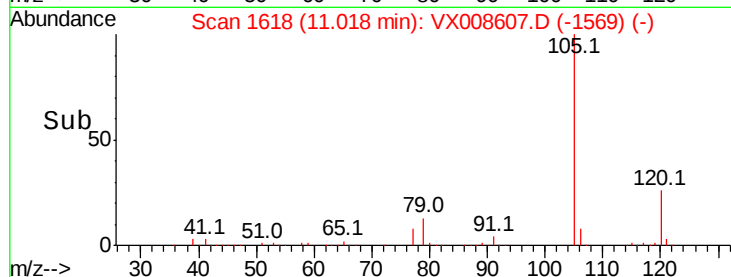
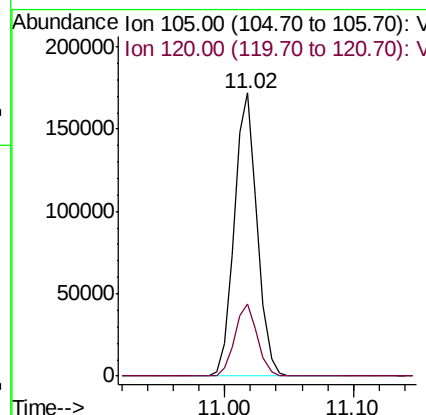
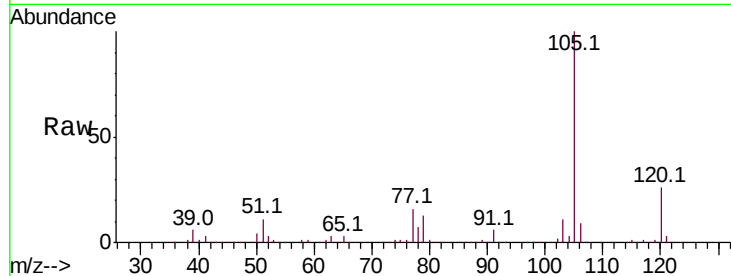
#73
Isopropylbenzene
Concen: 17.198 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.6

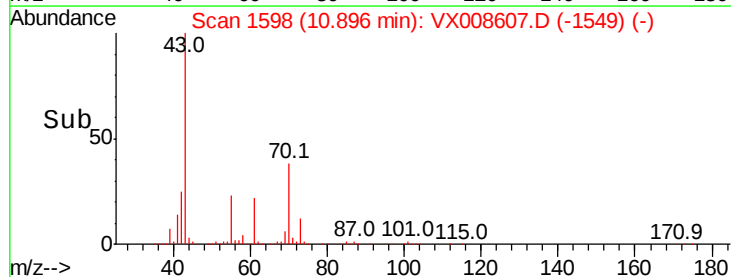
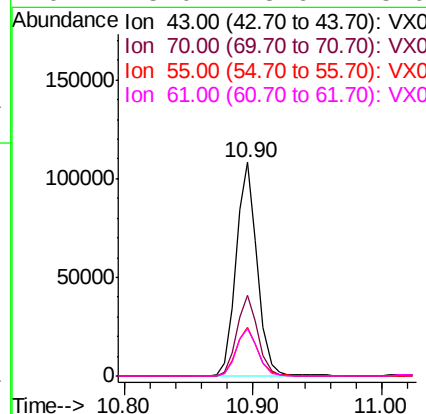
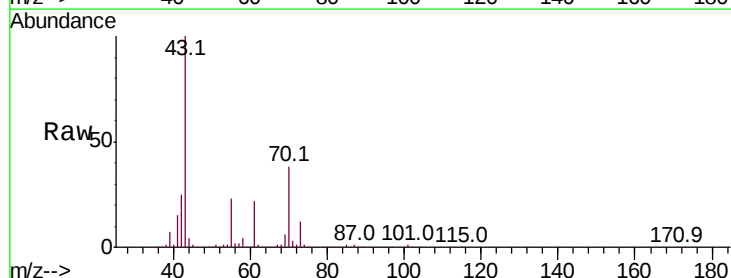
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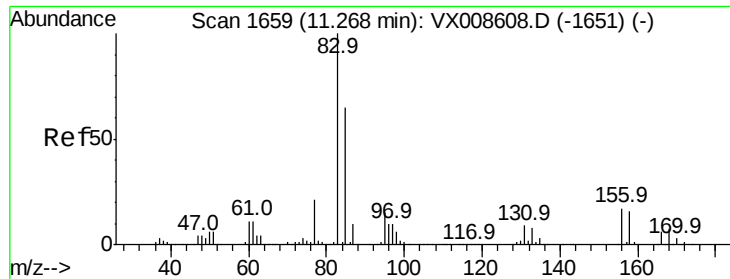
MMDadoda
4/4/2019 3:38:18 PM



#74
N-ethyl acetate
Concen: 17.029 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.2	45.4
55	23.2	18.2	27.4
61	23.0	18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.122 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

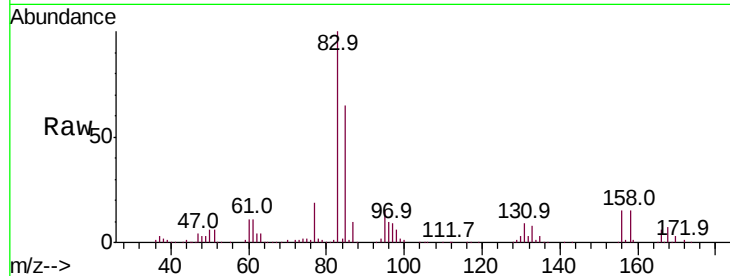
ClientSampled :

VSTDIC020

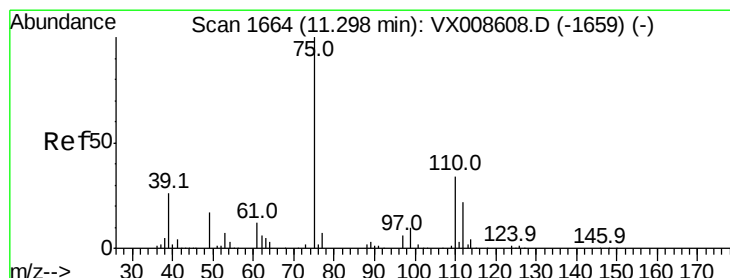
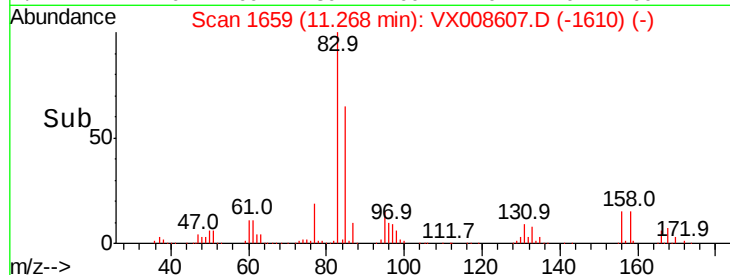
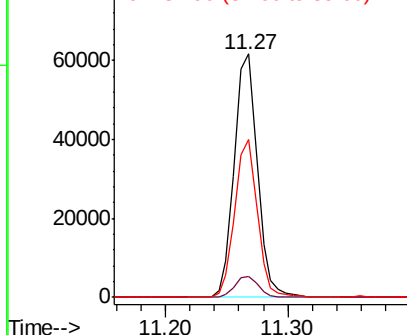
Tot Ion:	83	Resp:	80606
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.7
85	63.6	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 18.157 ug/l m

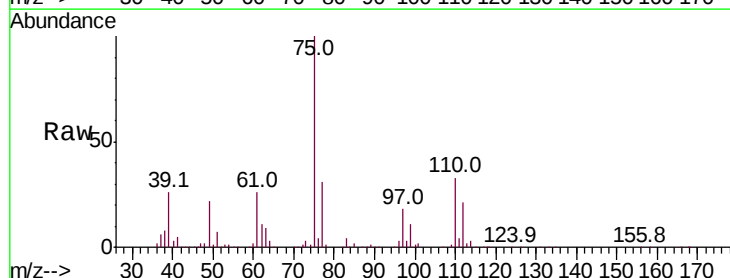
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

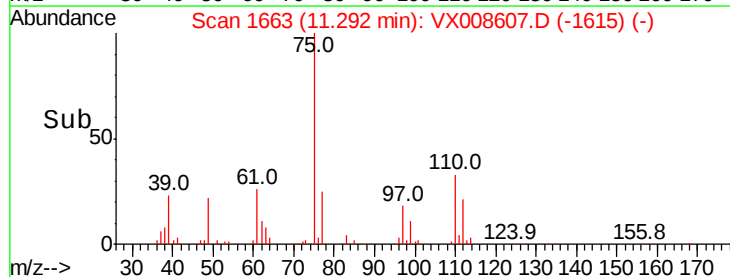
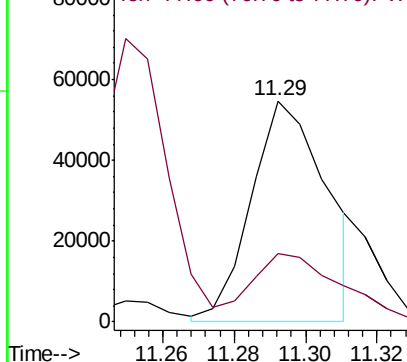
Lab File: VX008607.D

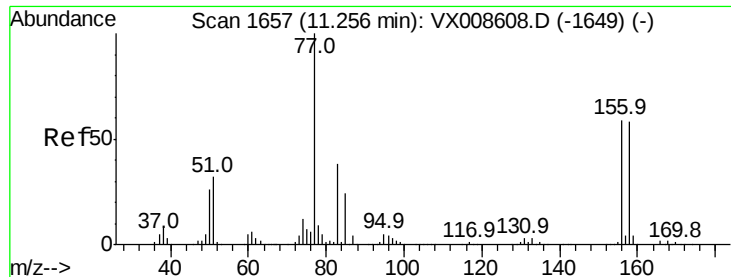
Acq: 03 Apr 2019 10:19

Tgt Ion:	75	Resp:	80175
Ion Ratio	Lower	Upper	
75	100		
77	37.1	22.3	66.8



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





#77

Bromobenzene

Concen: 17.081 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 50830

Ion Ratio Lower Upper

156 100

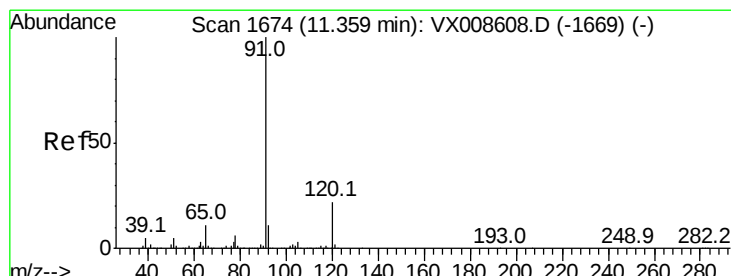
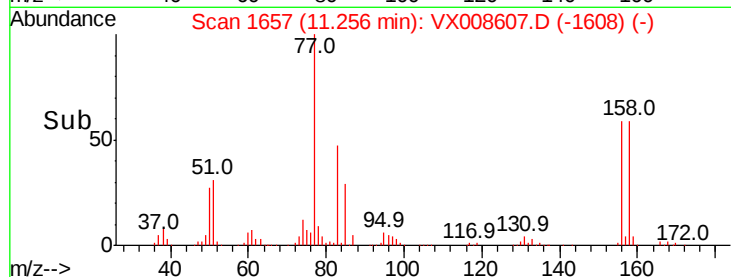
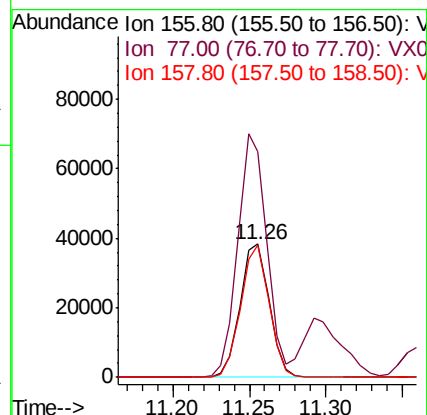
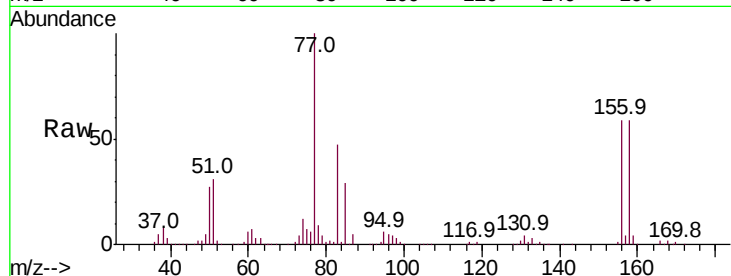
77 180.7 89.8 269.6

158 96.2 48.6 145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 17.235 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008607.D

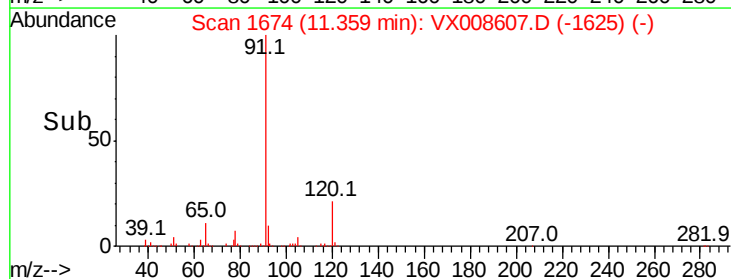
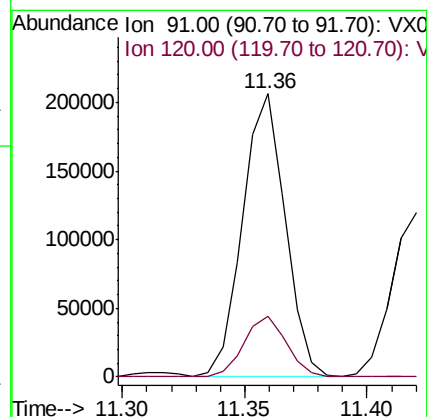
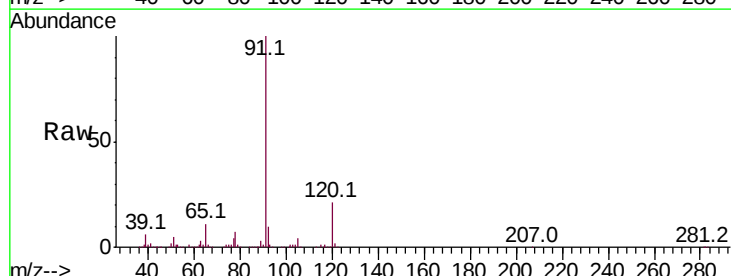
Acq: 03 Apr 2019 10:19

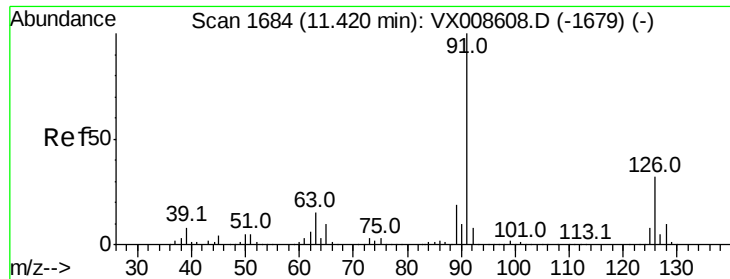
Tgt Ion: 91 Resp: 248411

Ion Ratio Lower Upper

91 100

120 21.5 10.9 32.7





#79

2-Chlorotoluene

Concen: 16.933 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 147688

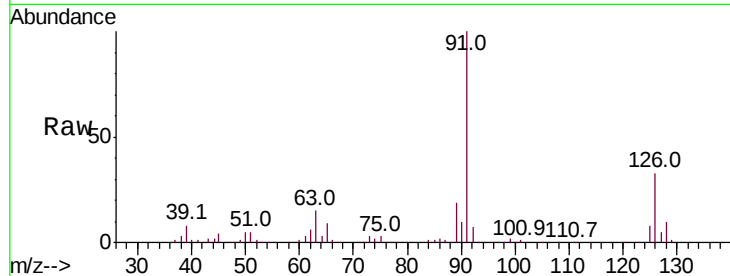
Ion Ratio Lower Upper

91 100

126 31.8 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX008607.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008607.D (-1679) (-)

200000

150000

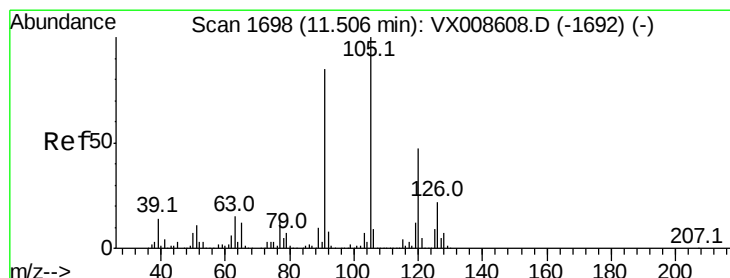
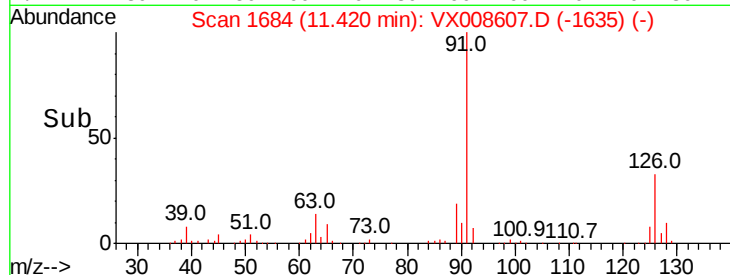
100000

50000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.210 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008607.D

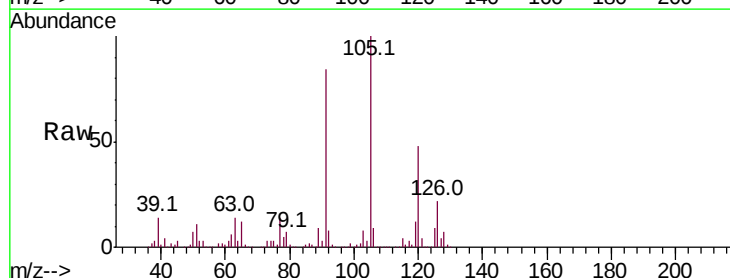
Acq: 03 Apr 2019 10:19

Tgt Ion: 105 Resp: 178823

Ion Ratio Lower Upper

105 100

120 47.6 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008607.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX008607.D (-1649) (-)

150000

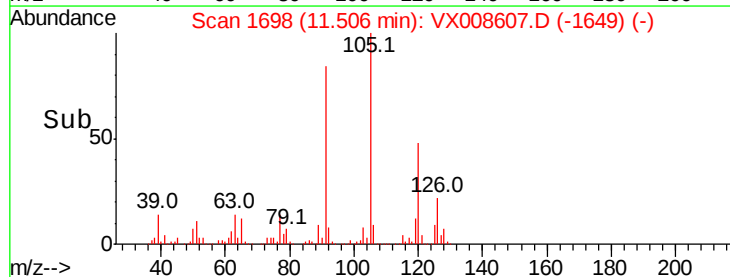
100000

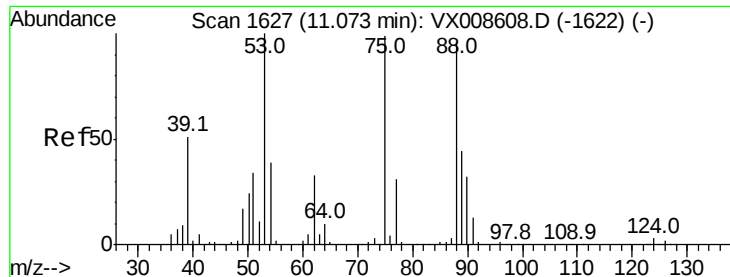
50000

0

11.50 11.51 11.52 11.53

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.341 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 24324

Ion Ratio Lower Upper

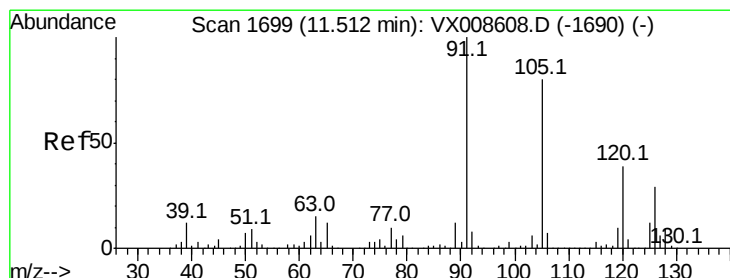
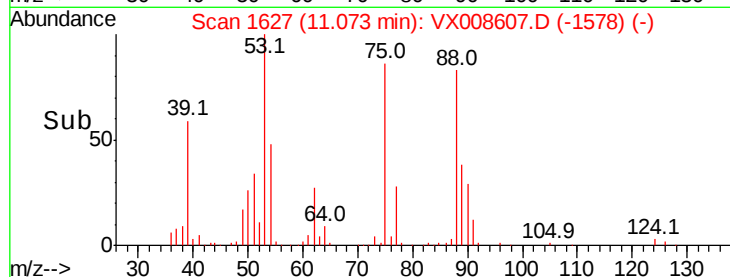
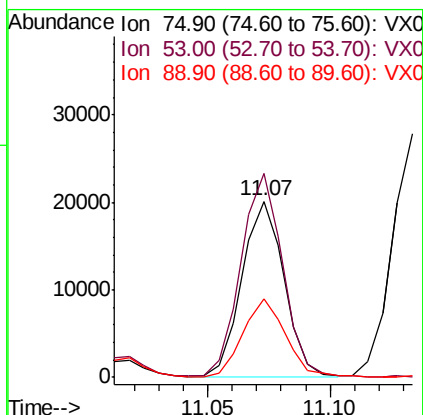
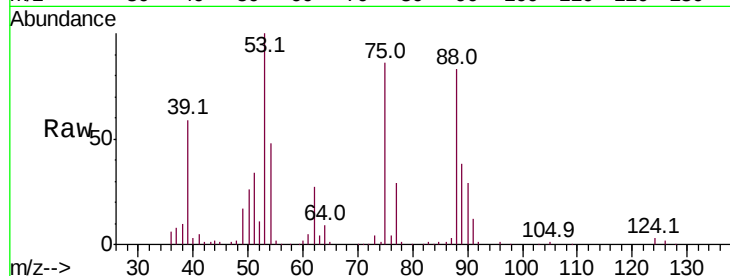
75 100

53 113.2 81.3 121.9

89 45.5 35.6 53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 16.718 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008607.D

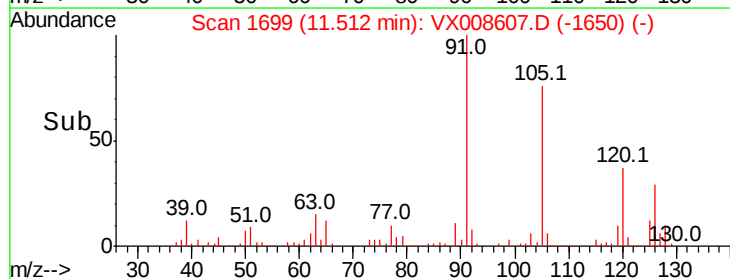
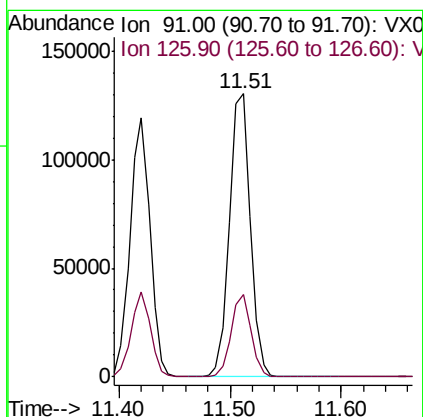
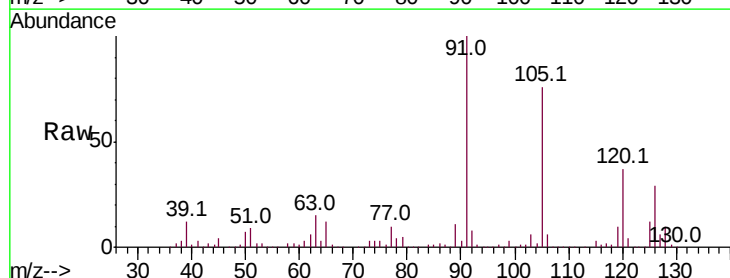
Acq: 03 Apr 2019 10:19

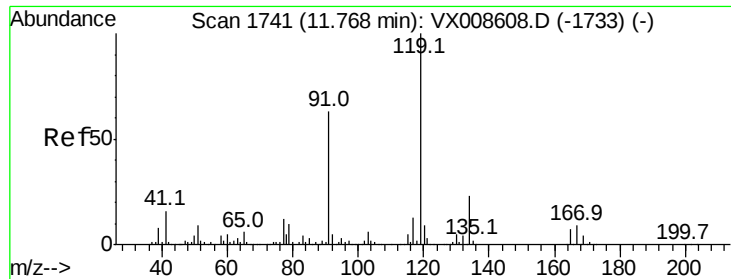
Tgt Ion: 91 Resp: 168792

Ion Ratio Lower Upper

91 100

126 28.1 13.9 41.6





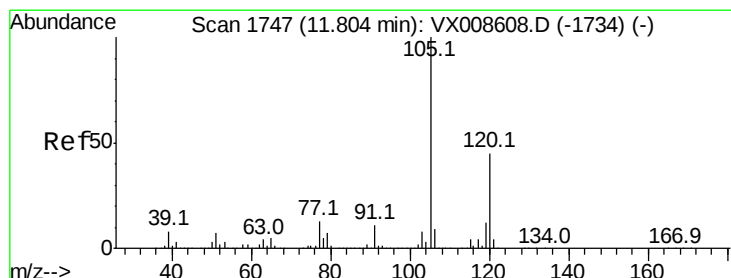
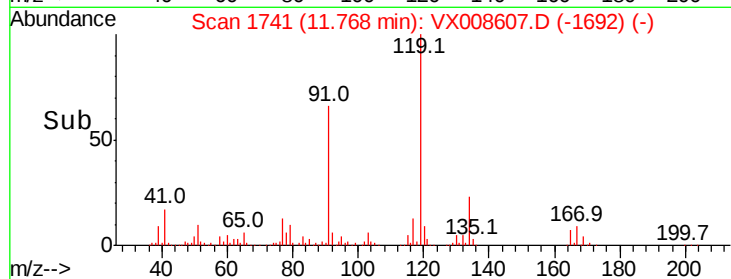
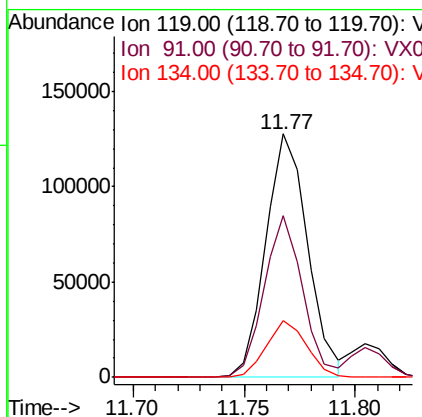
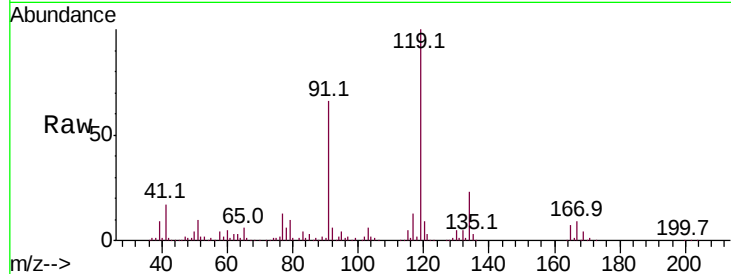
#83
tert-Butylbenzene
Concen: 16.647 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166415		
91	61.4	30.0	90.1	
134	22.4	11.1	33.3	

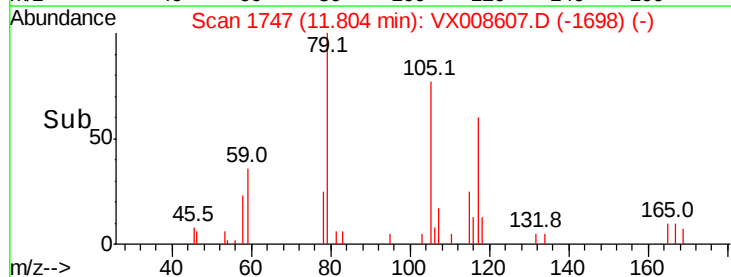
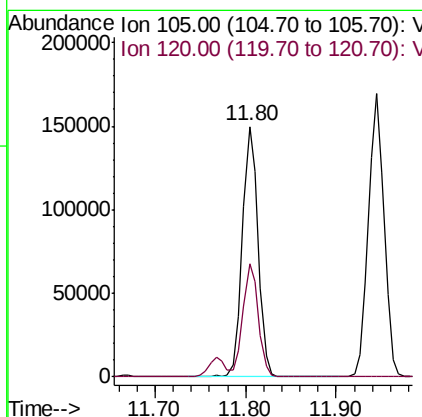
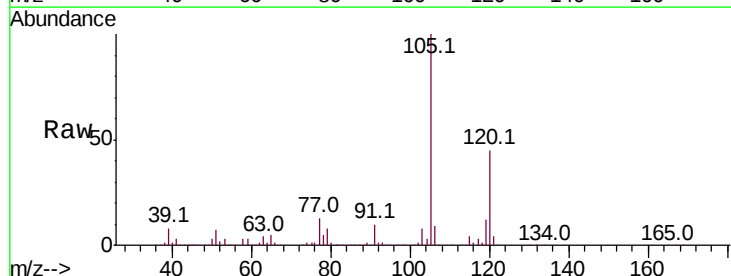
Manual Integrations
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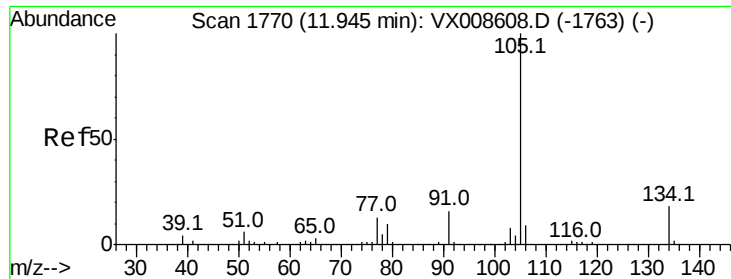
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 17.131 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	180239		
120	43.6	21.8	65.3	





#85

sec-Butylbenzene

Concen: 17.162 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 203782

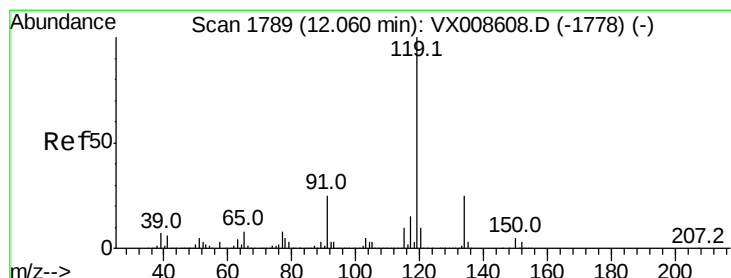
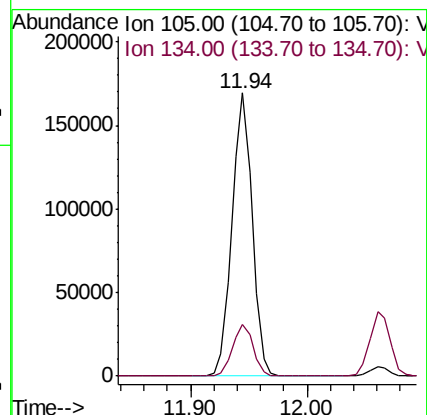
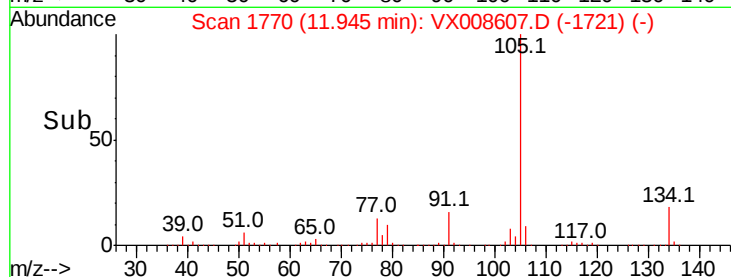
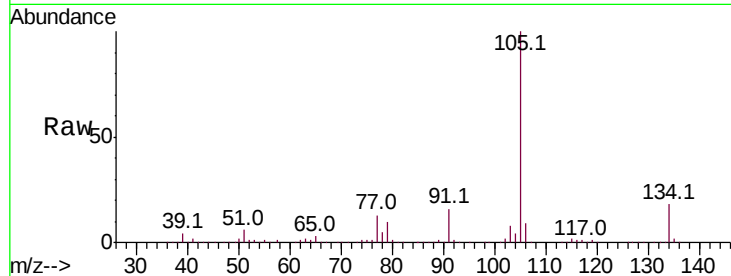
Ion Ratio Lower Upper

105 100

134 18.6 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 17.153 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

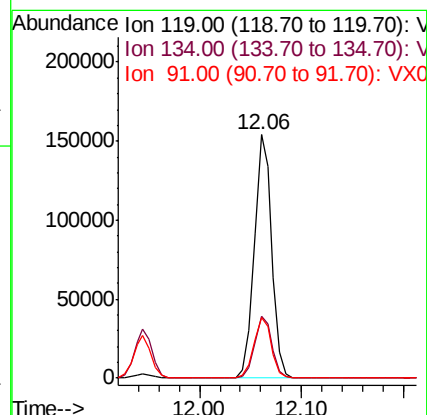
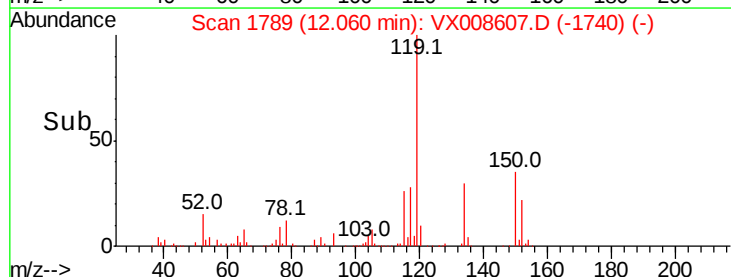
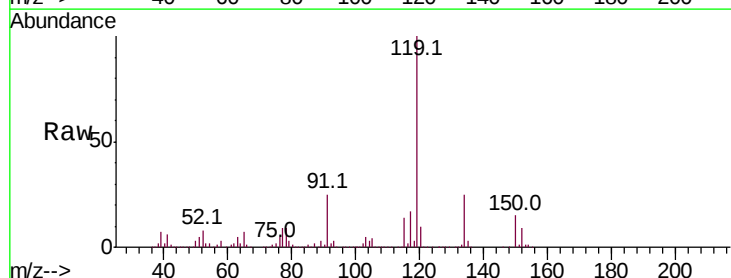
Tgt Ion:119 Resp: 182808

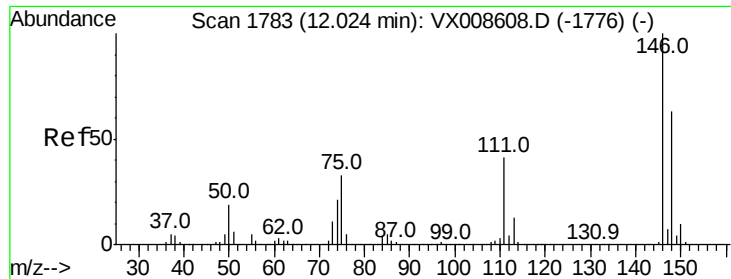
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 25.0 12.2 36.6





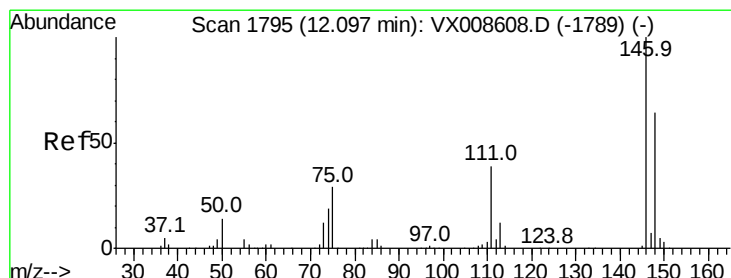
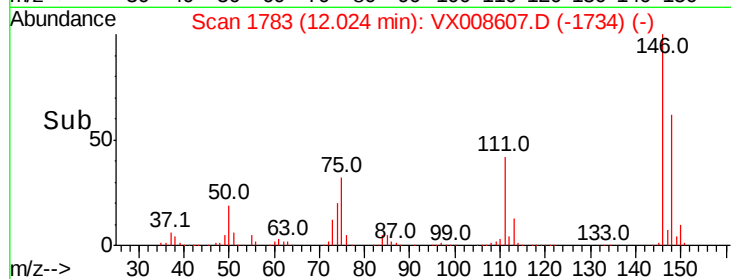
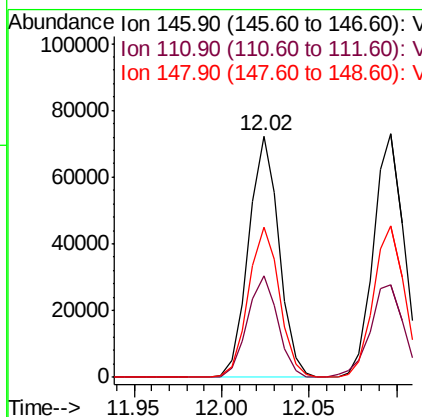
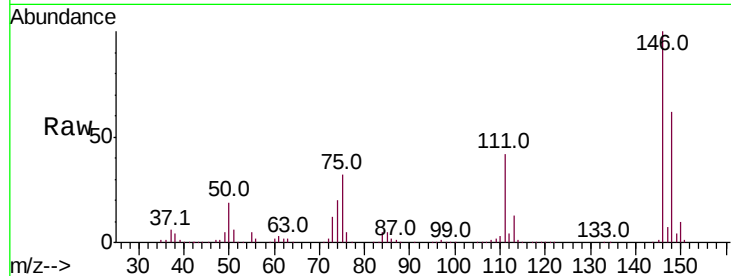
#87
 1,3-Dichlorobenzene
 Concen: 16.406 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.5	61.5
148	63.4	31.6	94.7

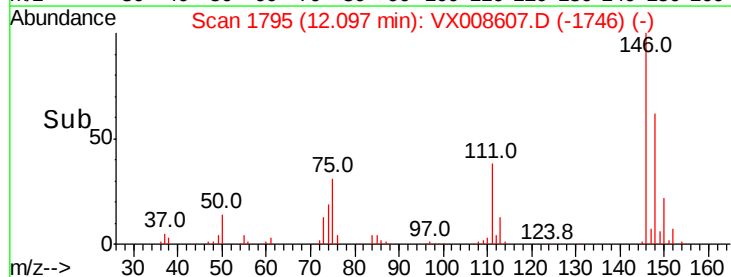
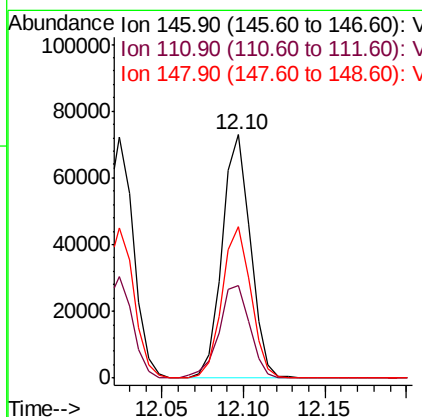
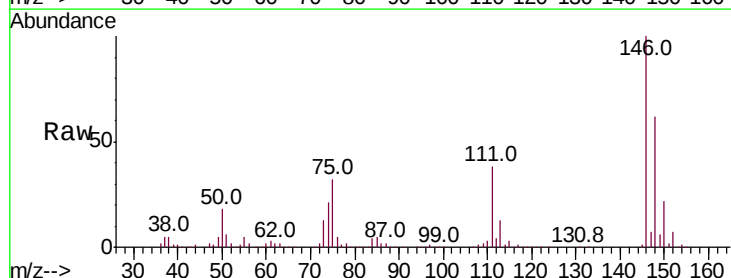
Manual Integrations
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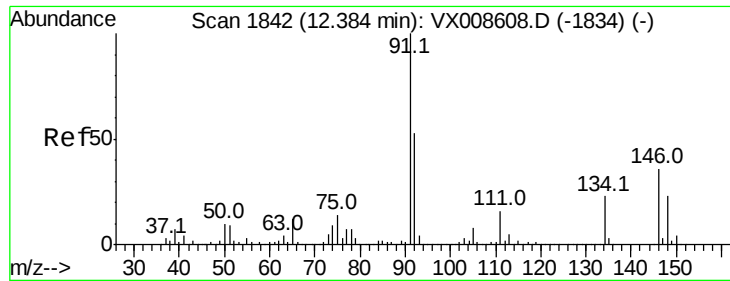
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#88
 1,4-Dichlorobenzene
 Concen: 16.293 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.2	60.6
148	63.7	32.0	96.0





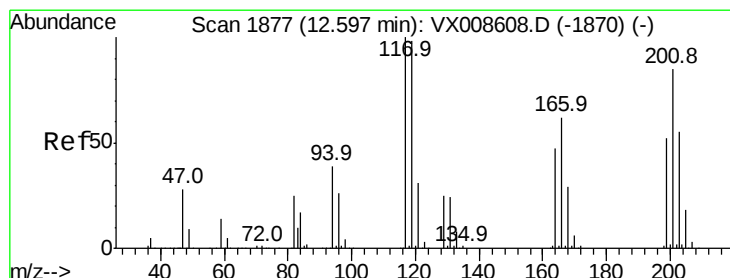
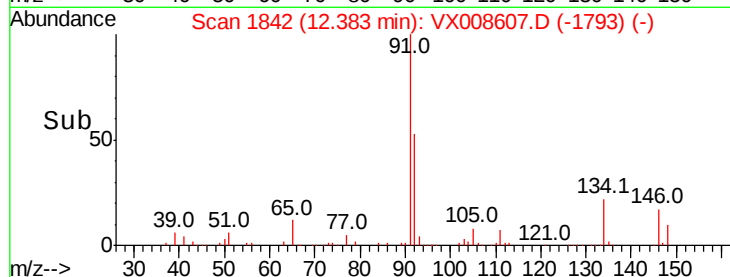
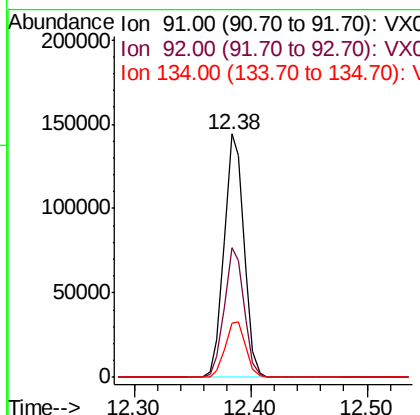
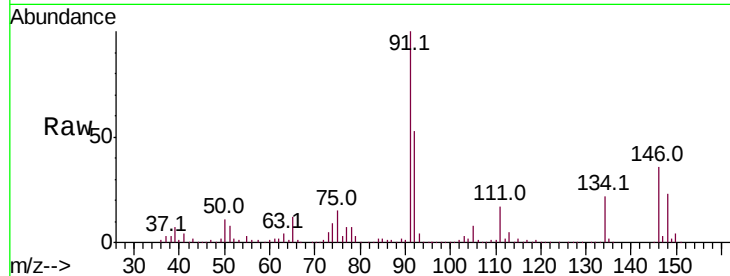
#89
n-Butylbenzene
Concen: 17.014 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	23.7	12.0	36.0

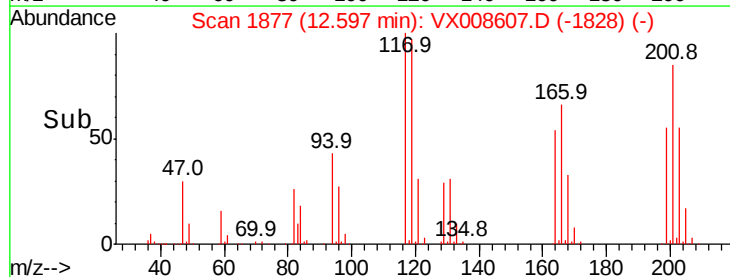
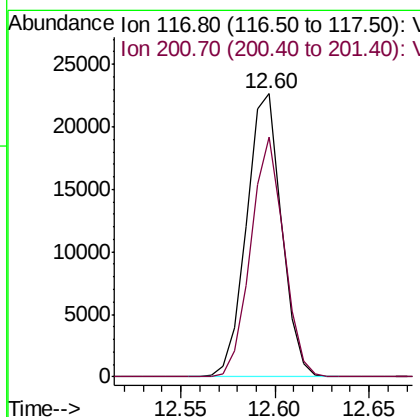
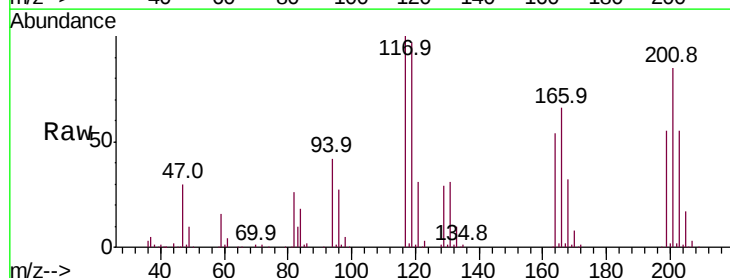
Manual Integrations
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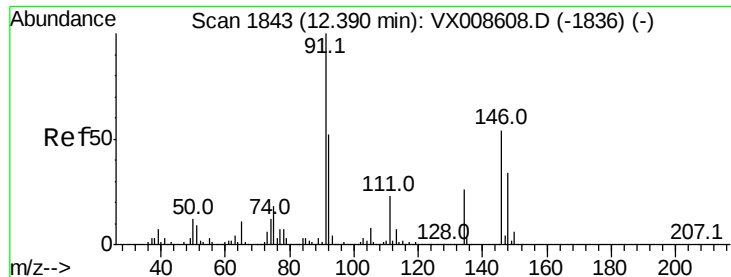
MMDadoda
4/4/2019 3:38:18 PM



#90
Hexachloroethane
Concen: 16.521 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008607.D
Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	40.6	122.0





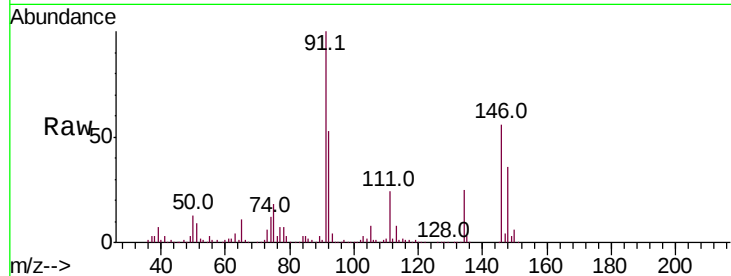
#91
 1,2-Dichlorobenzene
 Concen: 16.683 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.1	31.7	95.1

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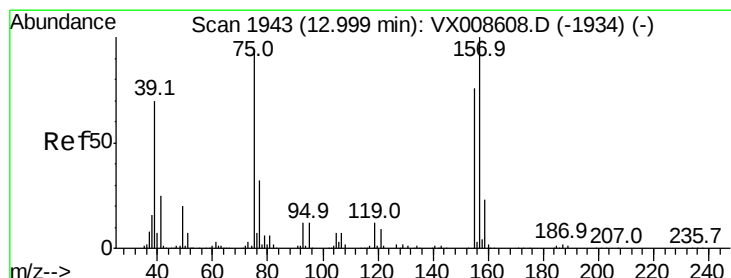
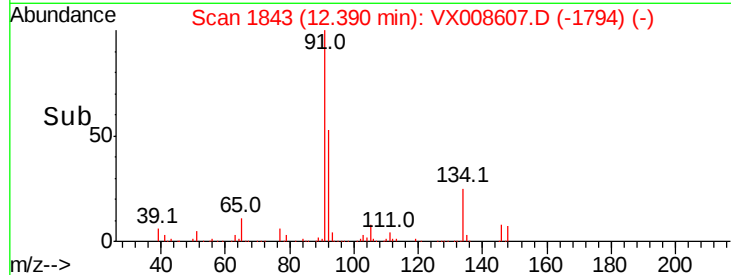
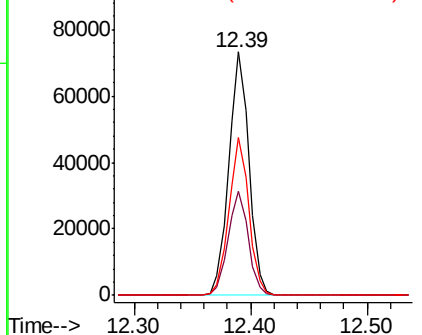


Abundance

Ion 145.90 (145.60 to 146.60): V

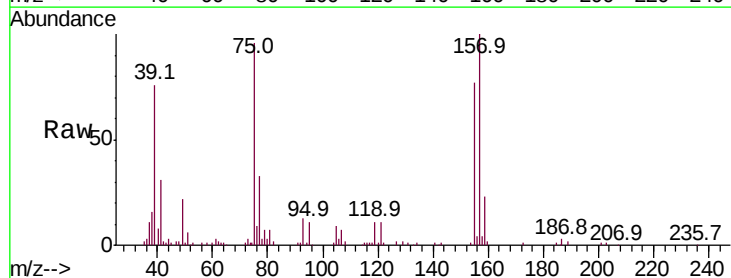
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.627 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	39.9	119.6
157	100.8	51.5	154.7

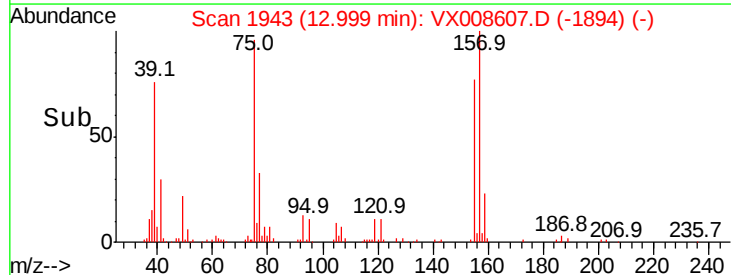
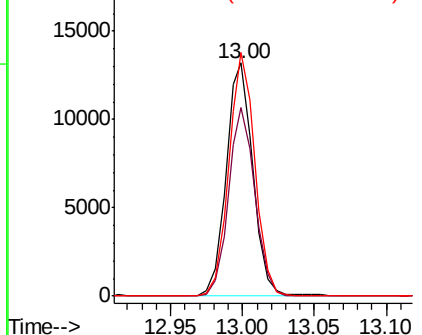


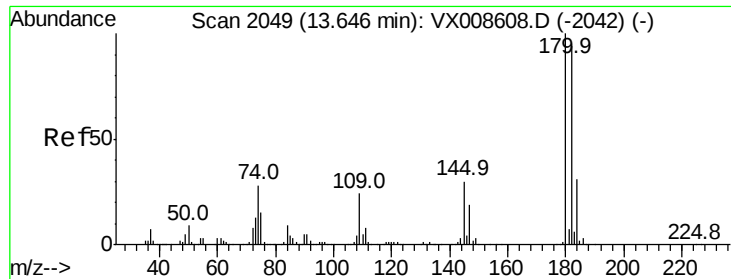
Abundance

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





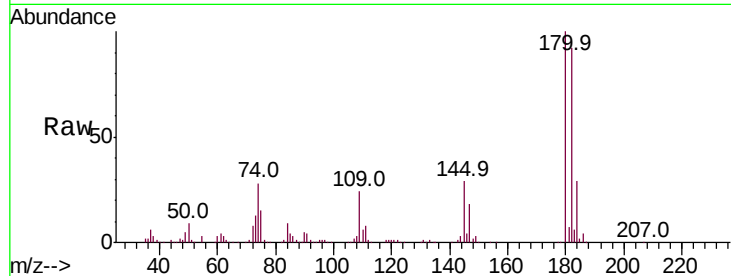
#93
 1,2,4-Trichlorobenzene
 Concen: 16.532 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

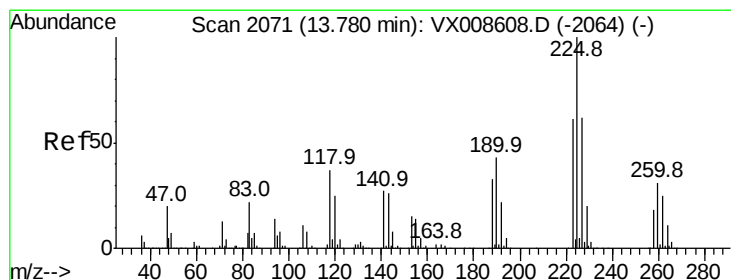
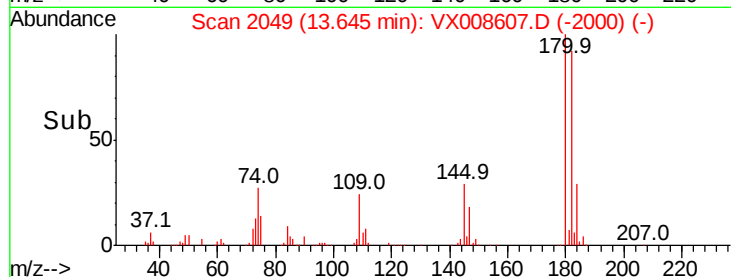
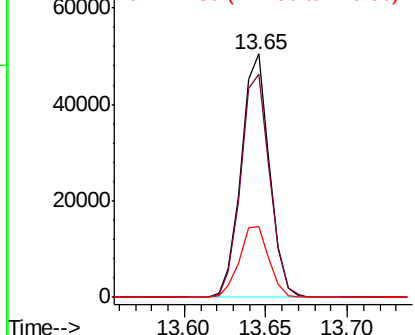
Tot Ion	Ratio	Resp	Lower	Upper
180	100	60799		
182	95.0	47.2	141.6	
145	30.6	15.3	45.9	

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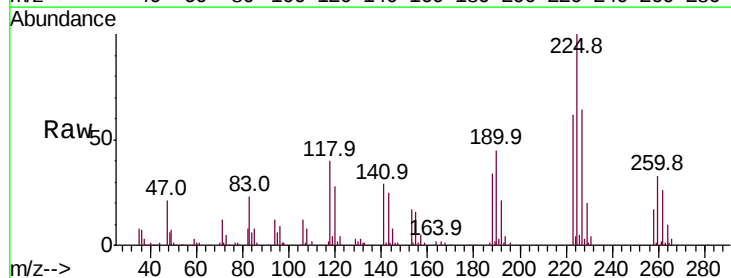


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

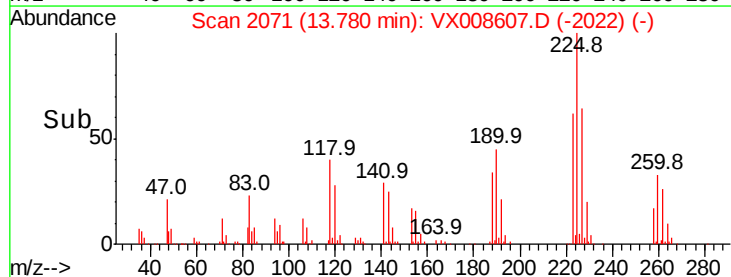
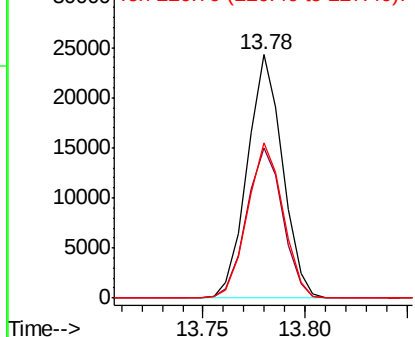


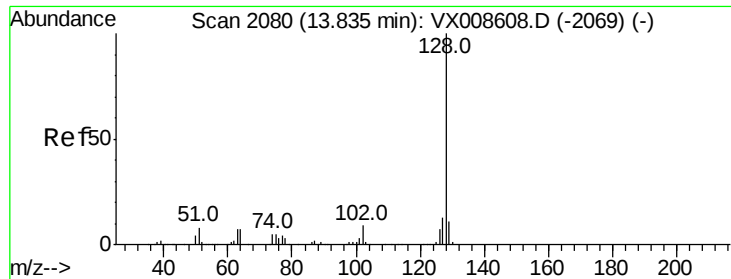
#94
 Hexachlorobutadiene
 Concen: 16.573 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008607.D
 Acq: 03 Apr 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29231		
223	63.3	31.2	93.6	
227	64.4	31.9	95.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.855 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Instrument :

MSVOA_X

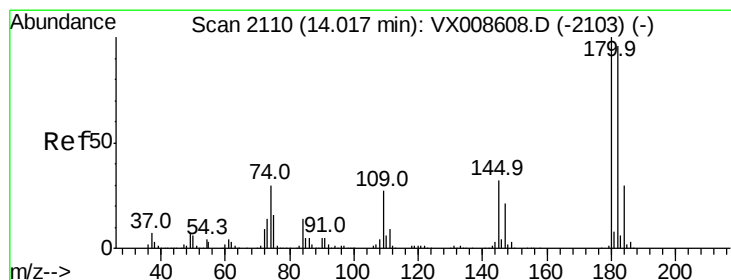
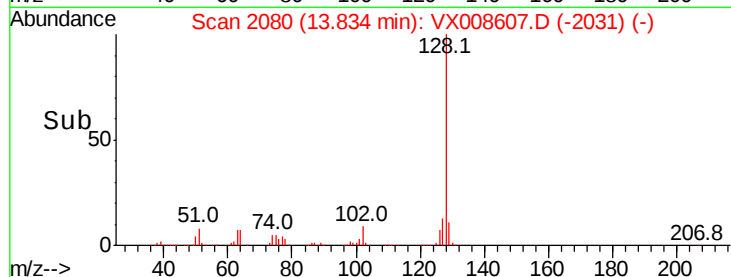
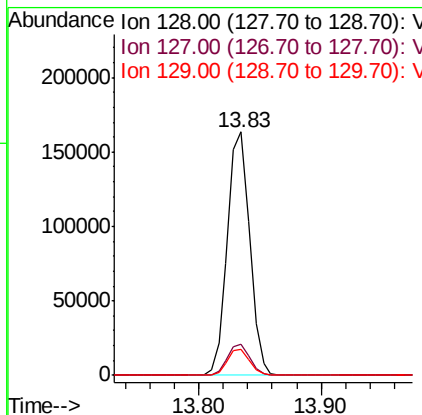
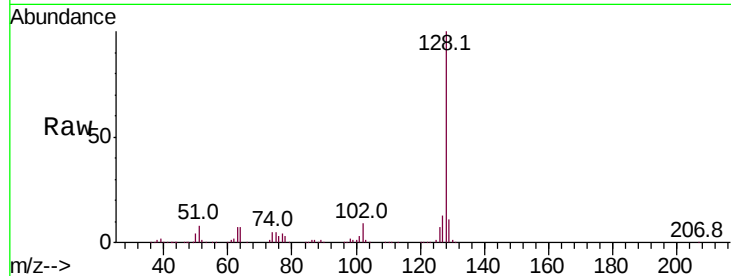
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	207168
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 16.596 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008607.D

Acq: 03 Apr 2019 10:19

Tgt Ion:	180	Resp:	60982
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.1	144.3
145	32.2	16.3	48.8

