

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX053119\
 Data File : VX009978.D
 Acq On : 31 May 2019 12:01
 Operator : JC/SP
 Sample : K2964-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: May 31 12:24:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	163864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	260958	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	112831	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
35) Dibromofluoromethane	5.50	113	82171	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	8.71	98	332401	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.13	95	118279	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	8507	3.160	ug/l #	57
6) Chloroethane	1.98	64	887	0.594	ug/l #	49
10) Methyl Iodide	2.52	142	371	4.824	ug/l #	74
11) Tert butyl alcohol	3.06	59	13091	22.981	ug/l	98
13) Acrolein	2.31	56	538	22.317	ug/l #	14
14) Allyl chloride	2.63	41	358663	88.923	ug/l #	65
16) Acetone	2.45	43	9264991	6927.655	ug/l	94
17) Carbon Disulfide	2.57	76	16411	3.625	ug/l	100
18) Methyl Acetate	2.78	43	377769	121.394	ug/l	98
20) Methylene Chloride	2.86	84	2728	1.332	ug/l	92
22) Diisopropyl ether	3.99	45	110686	14.423	ug/l #	1
23) Vinyl Acetate	3.99	43	245804	35.653	ug/l #	77
25) 2-Butanone	4.68	43	128330	61.589	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	1355	0.636	ug/l	78
29) Tetrahydrofuran	5.13	42	1632	1.221	ug/l #	39
36) 1,1-Dichloropropene	5.67	75	13131	4.959	ug/l #	51
37) Ethyl Acetate	4.84	43	686123	185.978	ug/l	99
38) Carbon Tetrachloride	5.66	117	15450	6.753	ug/l #	17
41) Methacrylonitrile	5.13	41	5669	2.630	ug/l #	47
43) Isopropyl Acetate	6.45	43	10095	1.696	ug/l	97
44) Trichloroethene	7.21	130	765	0.401	ug/l	91
48) Methyl methacrylate	7.77	41	3148	1.068	ug/l #	59
49) 1,4-Dioxane	7.74	88	3097	56.500	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	77673	20.058	ug/l	100
52) Toluene	8.78	92	28514	5.979	ug/l	100
56) Ethyl methacrylate	9.18	69	913	0.267	ug/l #	19
59) 2-Hexanone	9.44	43	272479	91.395	ug/l #	27
60) Dibromochloromethane	9.34	129	5111	2.707	ug/l #	11
64) Tetrachloroethene	9.34	164	5447	3.285	ug/l	94
67) Ethyl Benzene	10.25	91	15775	1.768	ug/l	99
68) m/p-Xylenes	10.35	106	21422	6.498	ug/l	100
69) o-Xylene	10.69	106	11248	3.558	ug/l	100
73) Isopropylbenzene	11.02	105	2361	0.289	ug/l	99
74) N-amyl acetate	10.91	43	8637	1.766	ug/l #	1

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Instrument :
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 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

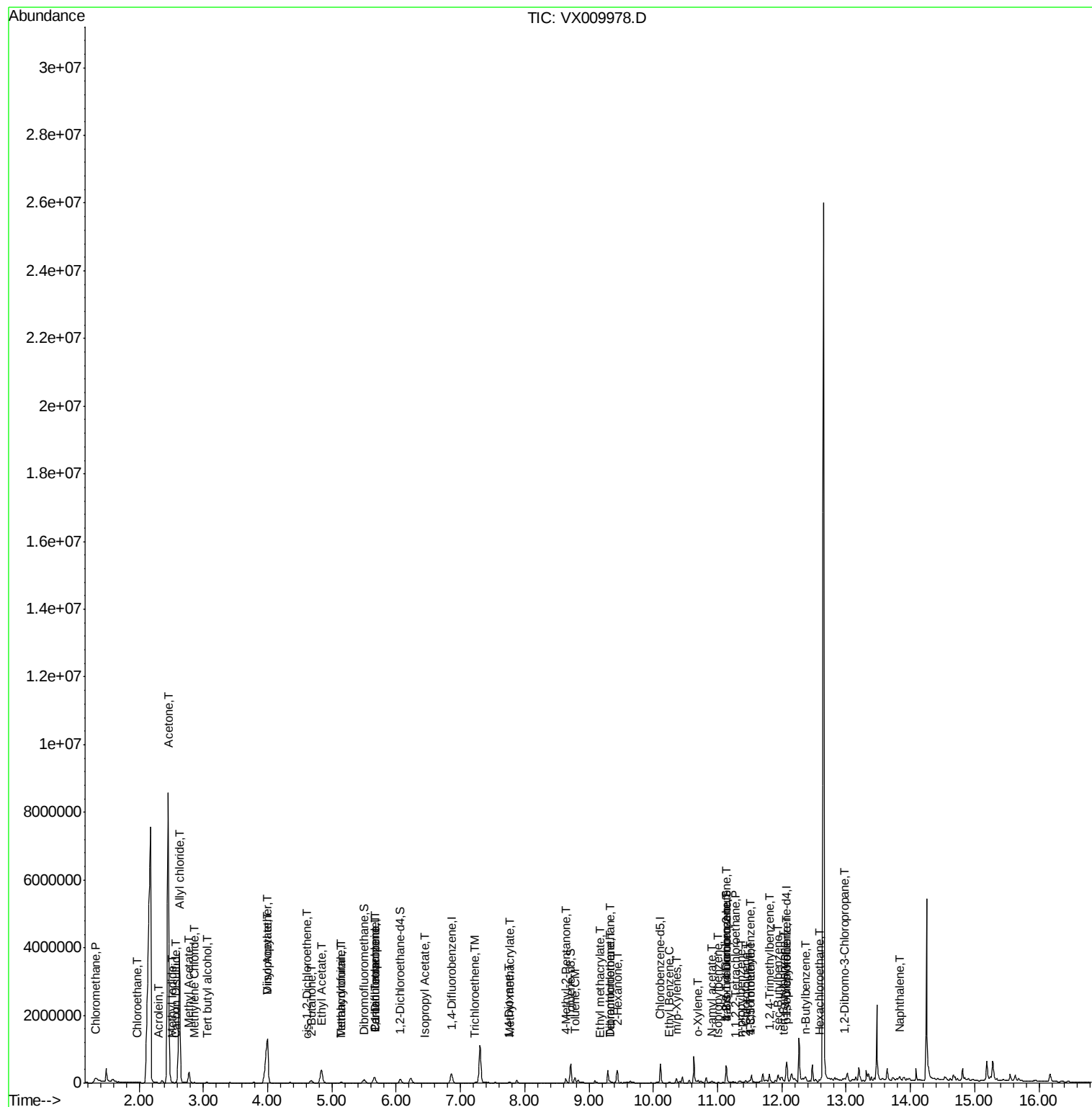
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	11.27	83	702	0.230	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	61996	23.375	ug/l #	34
78) n-propylbenzene	11.36	91	9557	1.013	ug/l	96
79) 2-Chlorotoluene	11.43	91	5398	0.937	ug/l #	48
80) 1,3,5-Trimethylbenzene	11.51	105	24064	3.491	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	61996	57.834	ug/l #	11
82) 4-Chlorotoluene	11.51	91	3330	0.496	ug/l #	56
83) tert-Butylbenzene	12.02	119	7176	1.088	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	79767	11.393	ug/l	98
85) sec-Butylbenzene	11.94	105	4095	0.522	ug/l	85
86) p-Isopropyltoluene	12.06	119	48607	6.887	ug/l	99
89) n-Butylbenzene	12.38	91	11100	1.673	ug/l #	31
90) Hexachloroethane	12.58	117	2142	1.768	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	12.97	75	423	0.589	ug/l #	14
95) Naphthalene	13.83	128	67133	8.247	ug/l	99

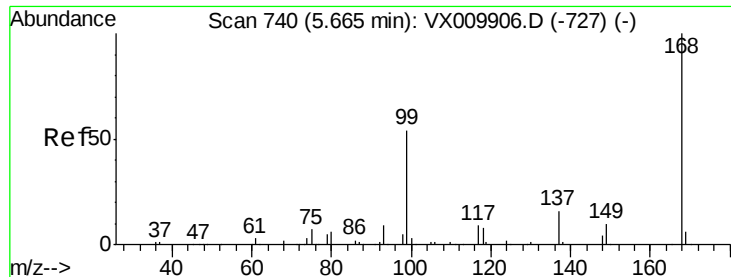
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

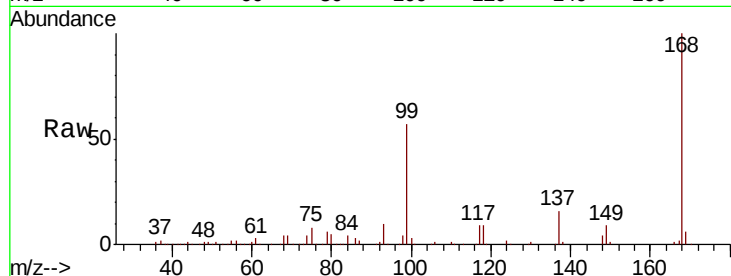
COMP-1

Tgt Ion:168 Resp: 163864

Ion Ratio Lower Upper

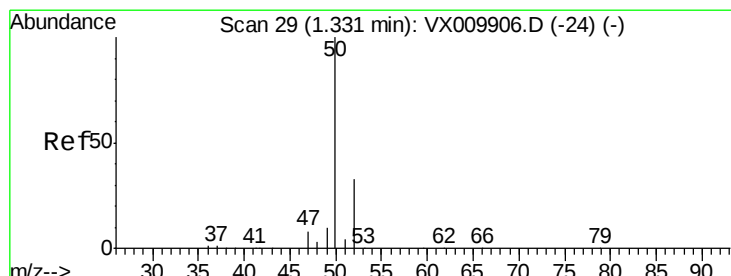
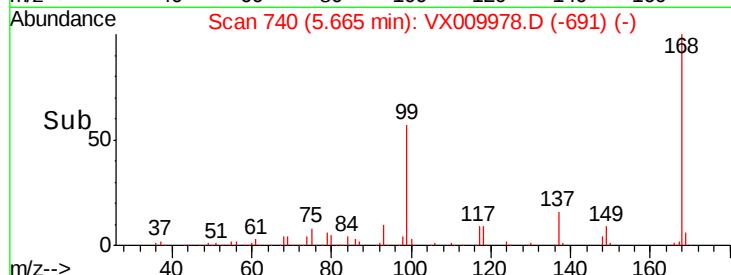
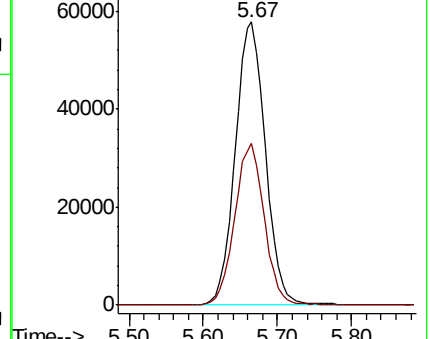
168 100

99 57.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 3.160 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009978.D

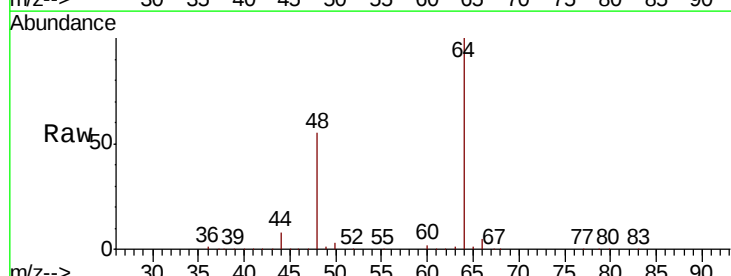
Acq: 31 May 2019 12:01

Tgt Ion: 50 Resp: 8507

Ion Ratio Lower Upper

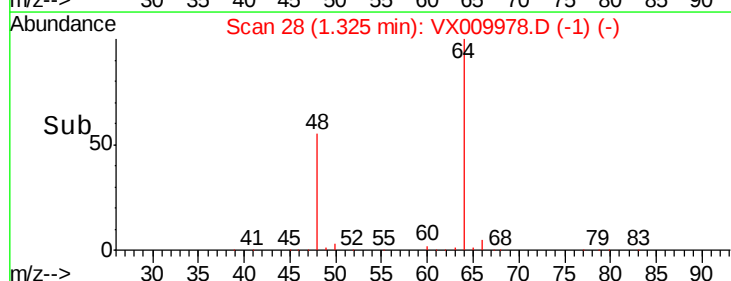
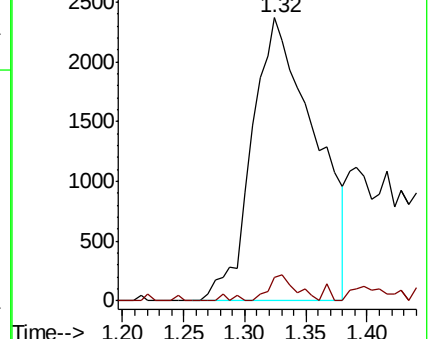
50 100

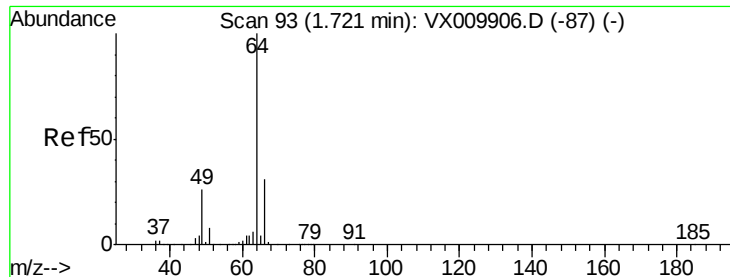
52 8.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.594 ug/l

RT: 1.98 min Scan# 135

Delta R.T. 0.26 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

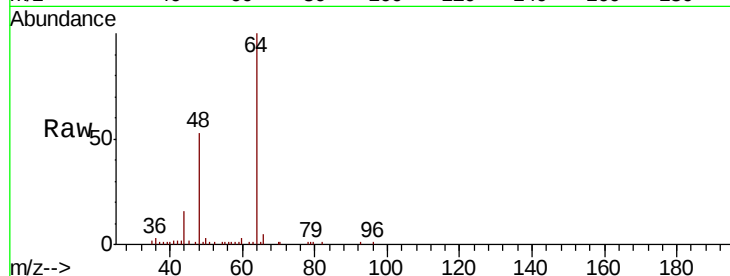
COMP-1

Tgt Ion: 64 Resp: 887

Ion Ratio Lower Upper

64 100

66 3.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.98

10000

8000

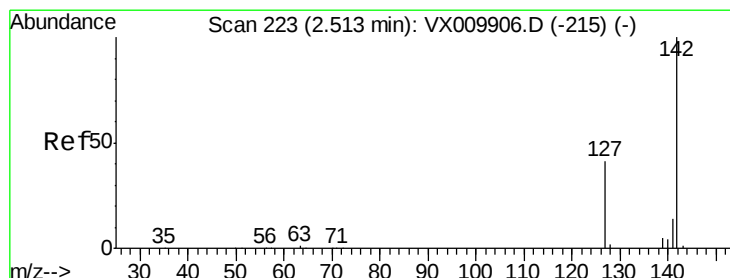
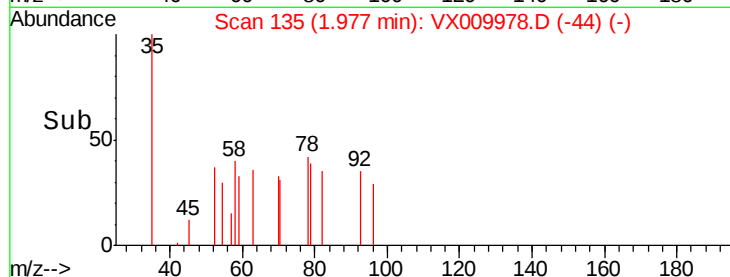
6000

4000

2000

0

Time-->



#10

Methyl Iodide

Concen: 4.824 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

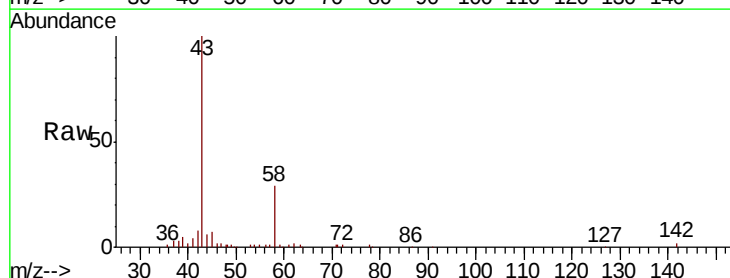
Tgt Ion: 142 Resp: 371

Ion Ratio Lower Upper

142 100

127 26.4 33.0 49.4#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

250

200

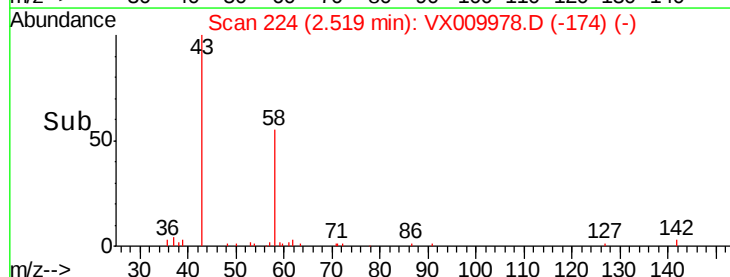
150

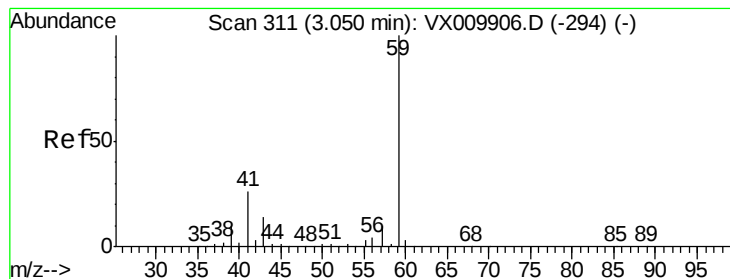
100

50

0

Time-->



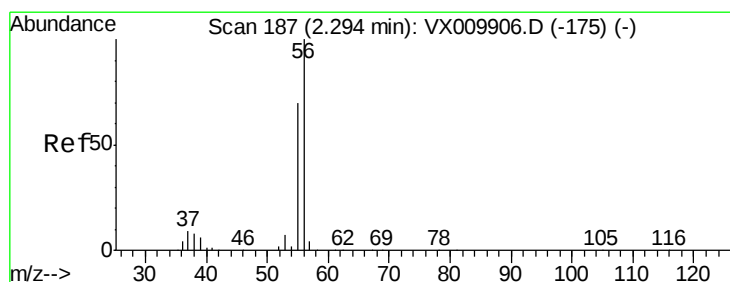
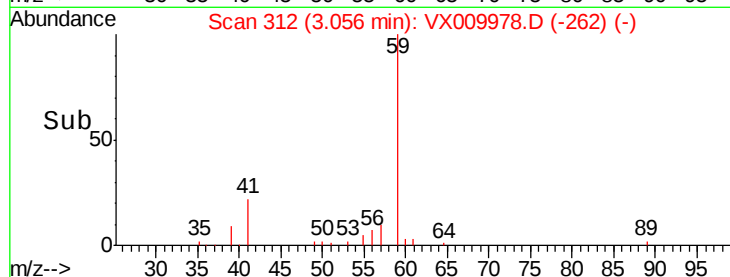
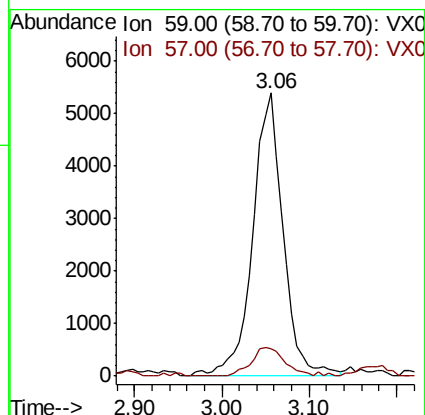
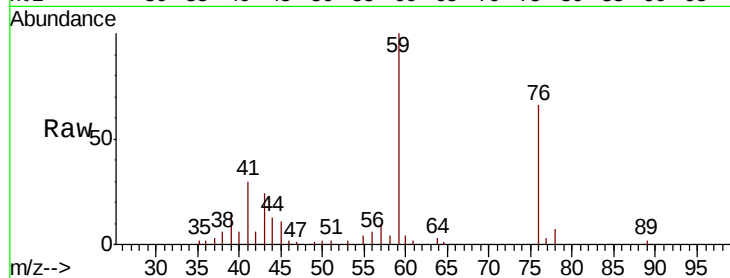


#11

Tert butyl alcohol
 Concen: 22.981 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

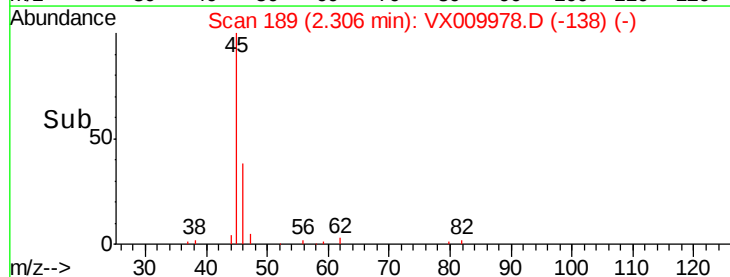
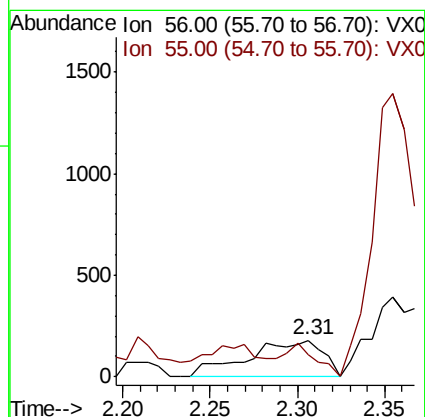
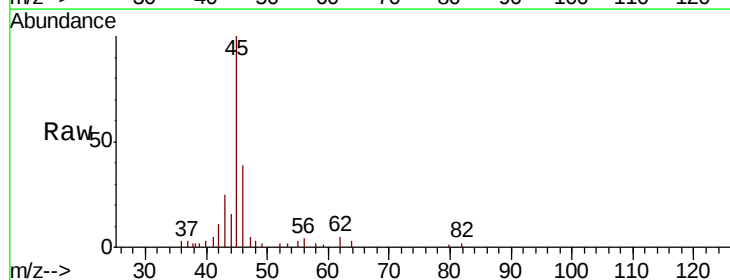
Tgt Ion: 59 Resp: 13091
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.2 12.2

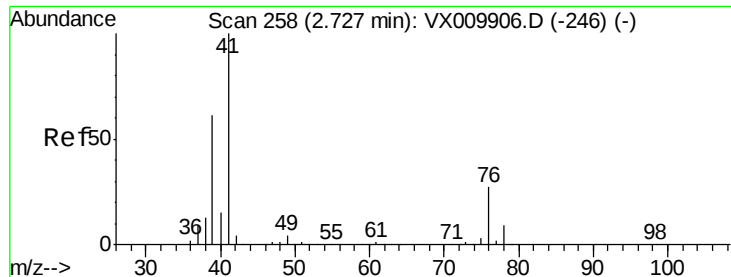


#13

Acrolein
 Concen: 22.317 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Tgt Ion: 56 Resp: 538
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#

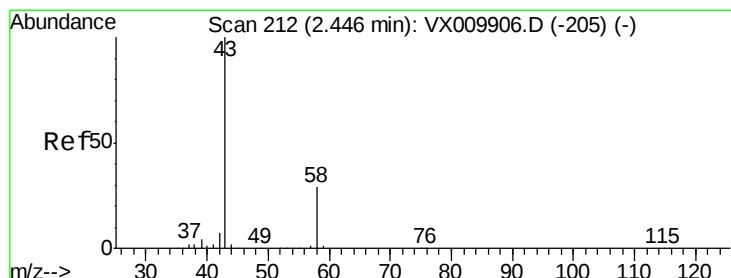
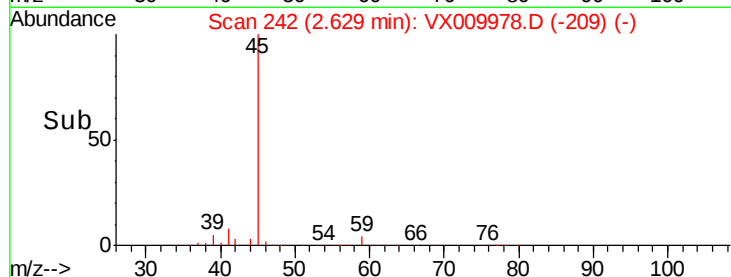
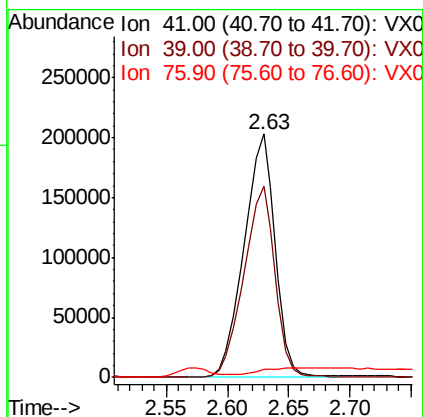
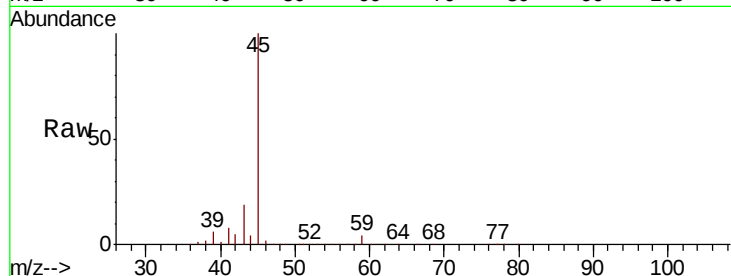




#14
 Allyl chloride
 Concen: 88.923 ug/l
 RT: 2.63 min Scan# 242
 Delta R.T. -0.10 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

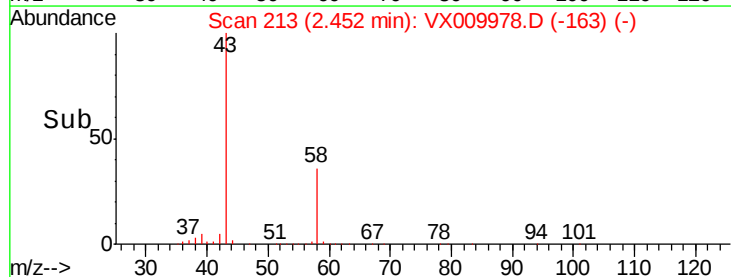
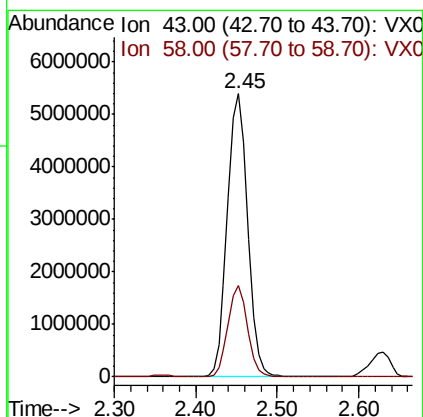
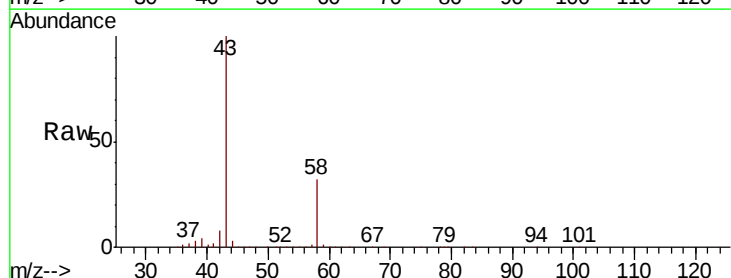
Instrument :
 MSVOA_X
 ClientSampled :
 COMP-1

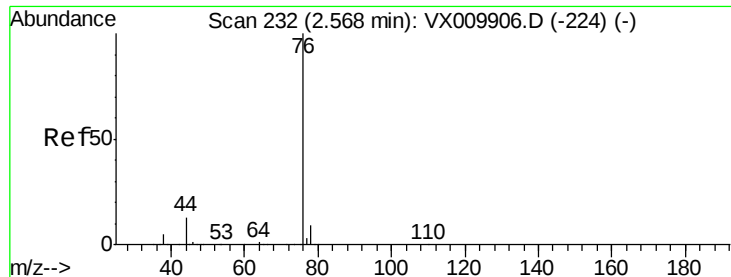
Tgt Ion: 41 Resp: 358663
 Ion Ratio Lower Upper
 41 100
 39 78.7 46.7 70.1#
 76 0.0 21.0 31.4#



#16
 Acetone
 Concen: 6927.655 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Tgt Ion: 43 Resp: 9264991
 Ion Ratio Lower Upper
 43 100
 58 32.4 23.2 34.8

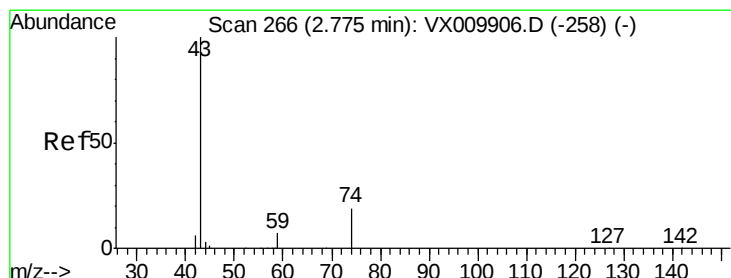
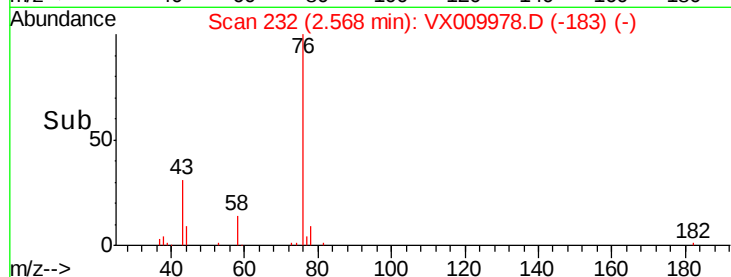
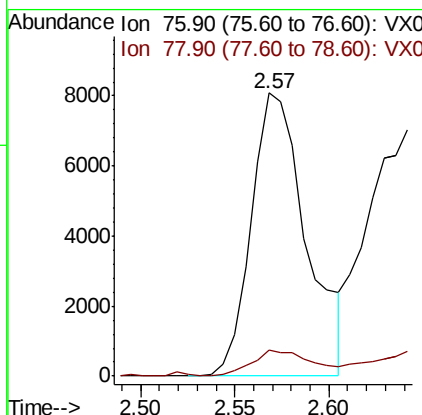
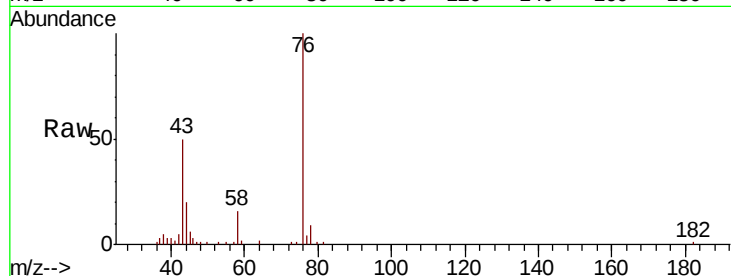




#17
Carbon Disulfide
Concen: 3.625 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

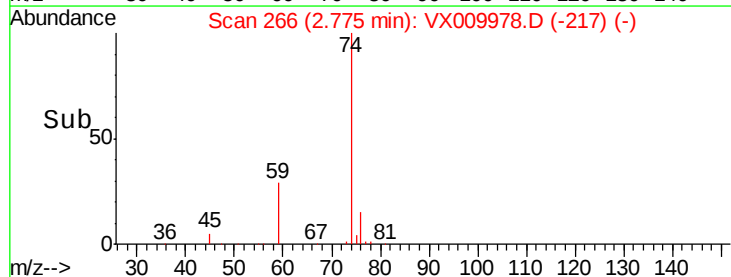
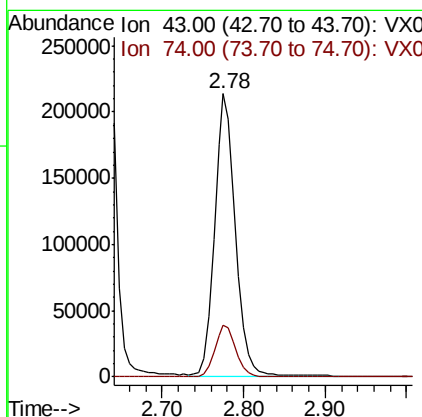
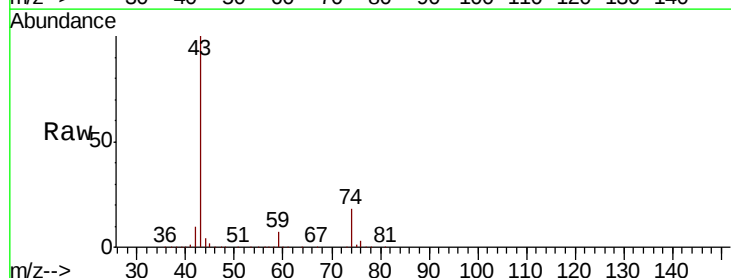
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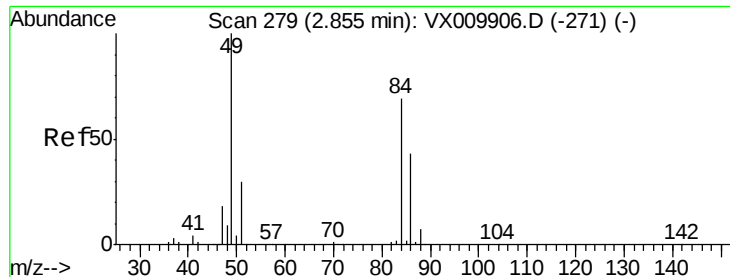
Tgt Ion: 76 Resp: 16411
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 121.394 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 43 Resp: 377769
Ion Ratio Lower Upper
43 100
74 18.7 15.8 23.6

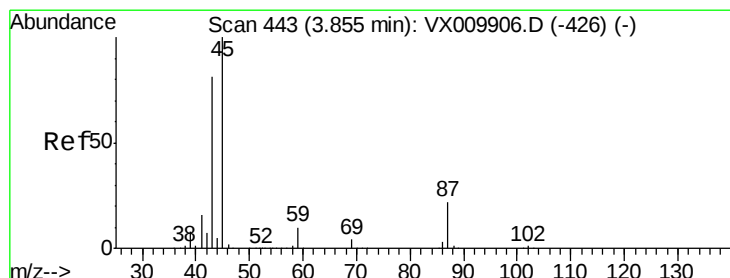
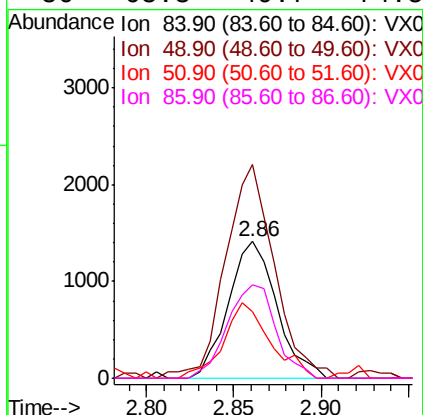
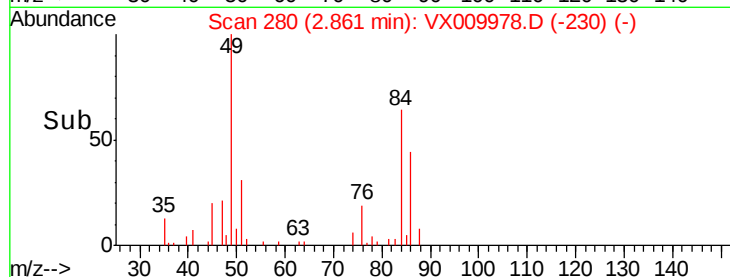
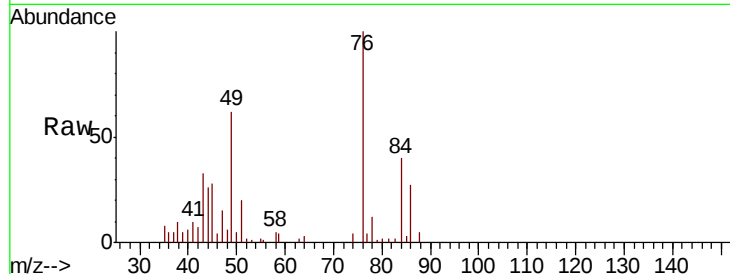




#20
Methylene Chloride
Concen: 1.332 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

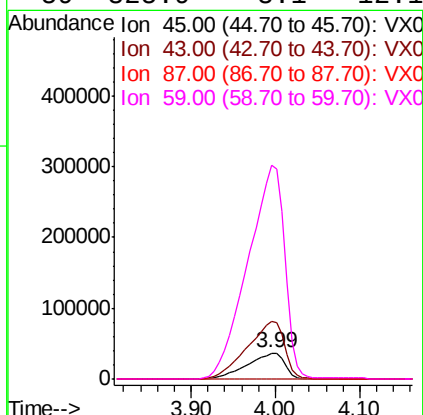
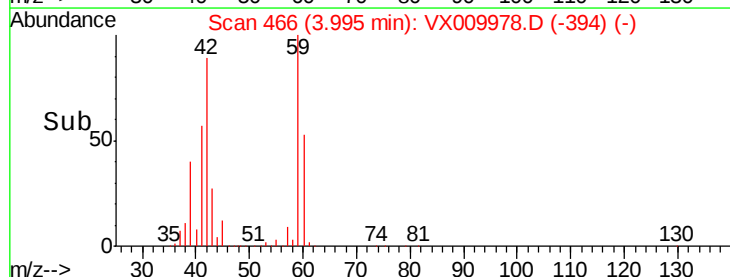
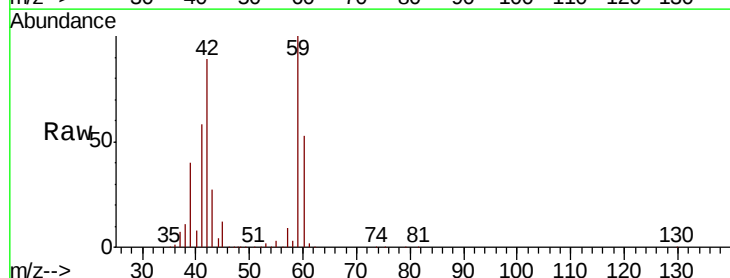
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

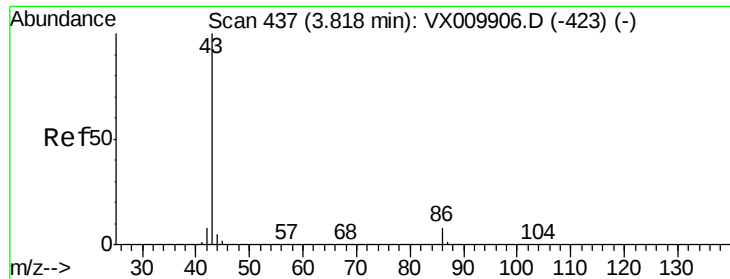
Tgt Ion: 84 Resp: 2728
Ion Ratio Lower Upper
84 100
49 156.0 115.8 173.6
51 45.0 34.4 51.6
86 68.3 49.7 74.5



#22
Diisopropyl ether
Concen: 14.423 ug/l
RT: 3.99 min Scan# 466
Delta R.T. 0.14 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 45 Resp: 110686
Ion Ratio Lower Upper
45 100
43 222.1 65.0 97.4#
87 0.0 17.3 25.9#
59 825.9 8.1 12.1#





#23

Vinyl Acetate

Concen: 35.653 ug/l

RT: 3.99 min Scan# 466

Delta R.T. 0.18 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

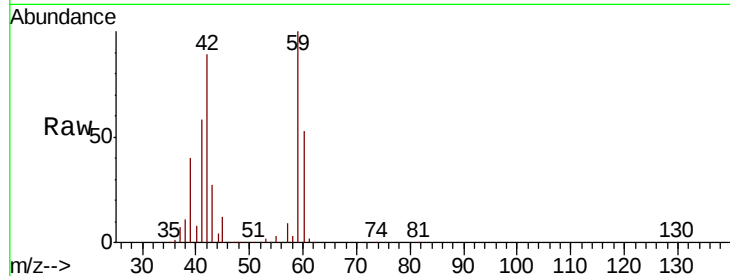
COMP-1

Tgt Ion: 43 Resp: 245804

Ion Ratio Lower Upper

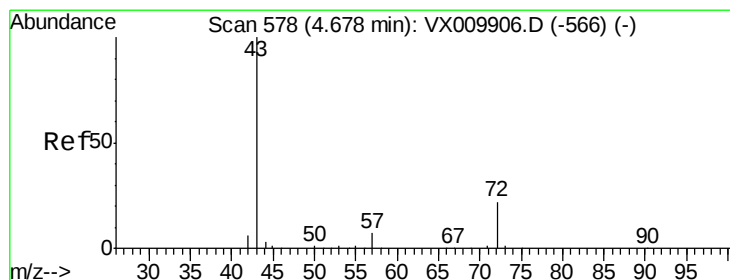
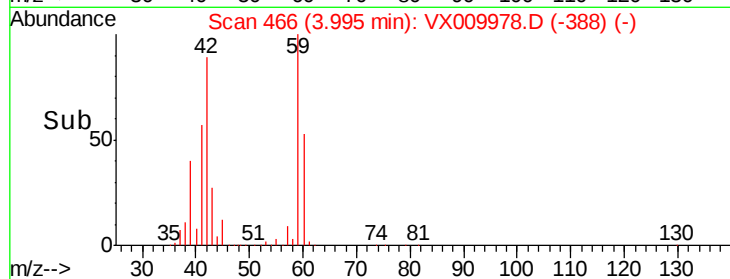
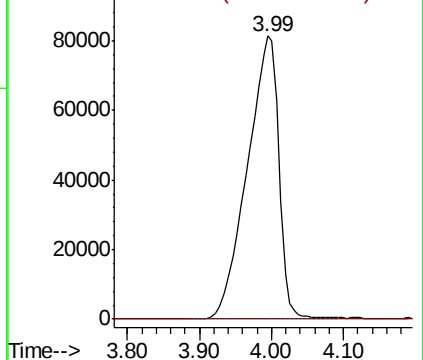
43 100

86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#25

2-Butanone

Concen: 61.589 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX009978.D

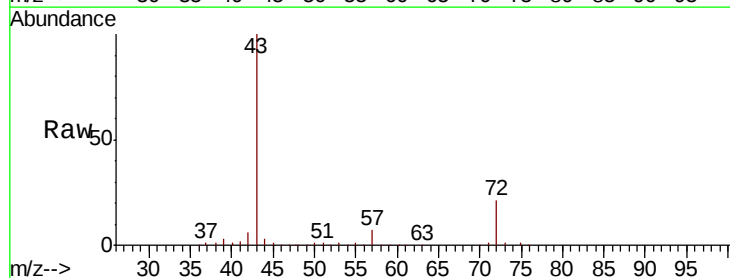
Acq: 31 May 2019 12:01

Tgt Ion: 43 Resp: 128330

Ion Ratio Lower Upper

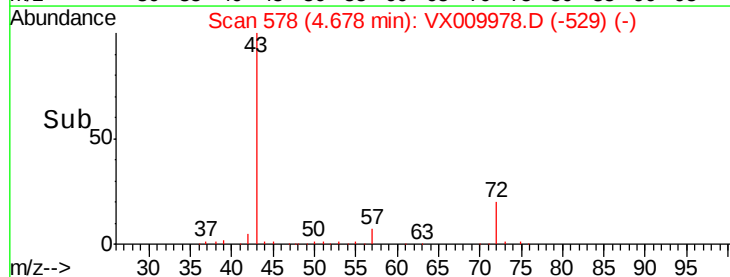
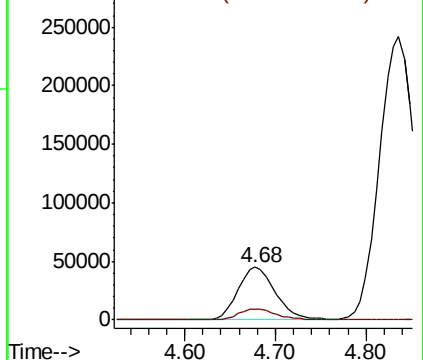
43 100

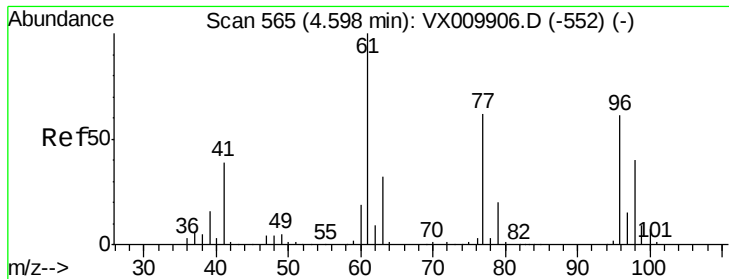
72 20.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



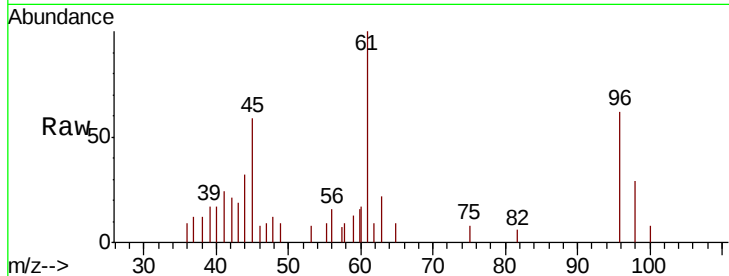


#27

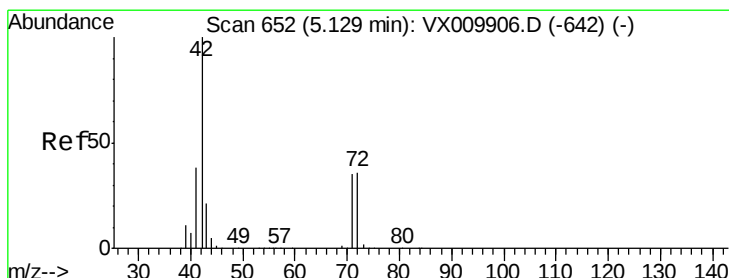
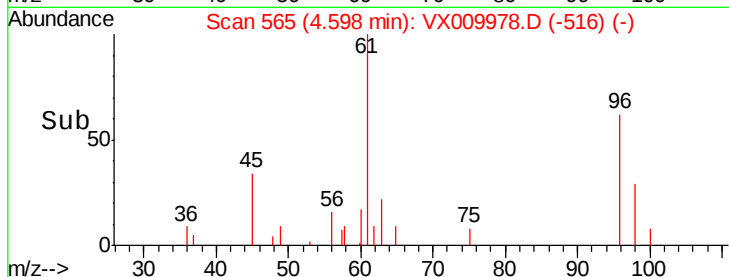
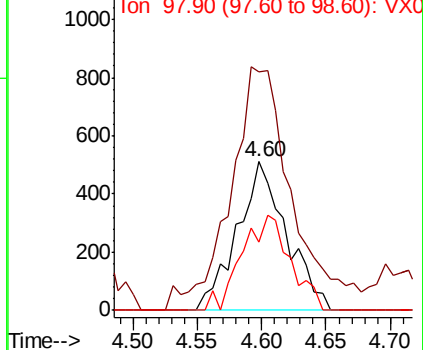
cis-1,2-Dichloroethene
 Concen: 0.636 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampled :
 COMP-1

Tgt Ion: 96 Resp: 1355
 Ion Ratio Lower Upper
 96 100
 61 206.4 0.0 334.0
 98 62.7 0.0 131.6



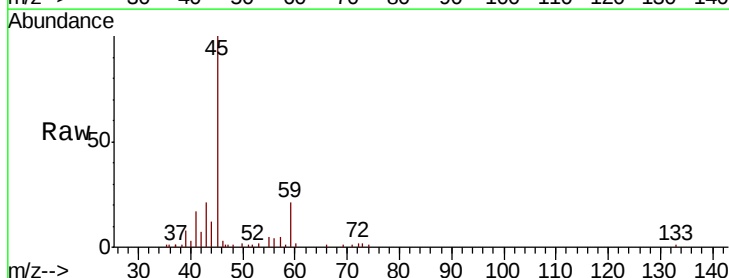
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



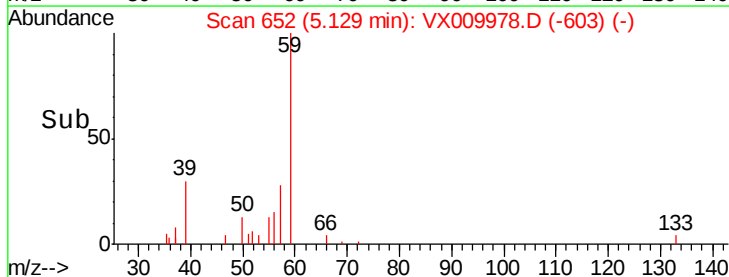
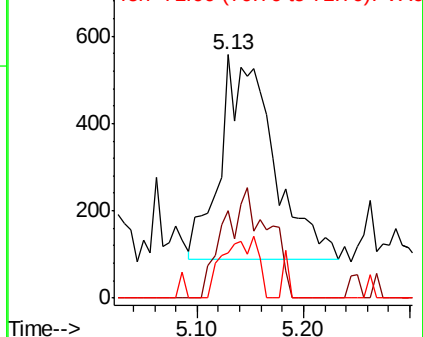
#29

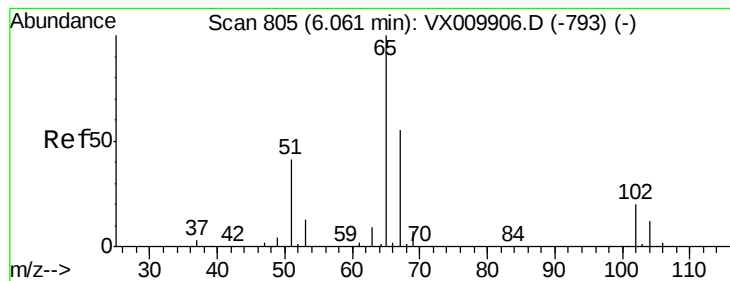
Tetrahydrofuran
 Concen: 1.221 ug/l
 RT: 5.13 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Tgt Ion: 42 Resp: 1632
 Ion Ratio Lower Upper
 42 100
 72 0.0 29.2 43.8#
 71 0.0 27.6 41.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.745 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

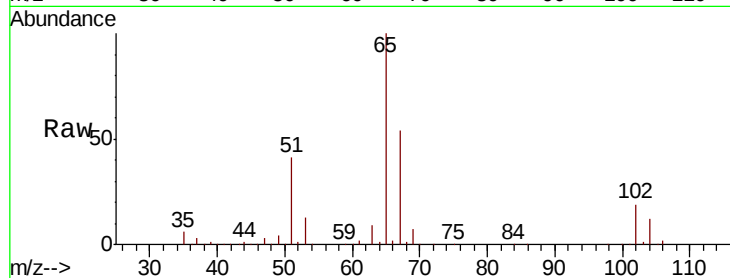
COMP-1

Tgt Ion: 65 Resp: 112831

Ion Ratio Lower Upper

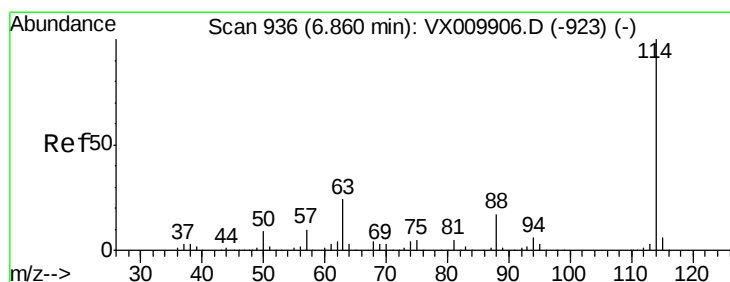
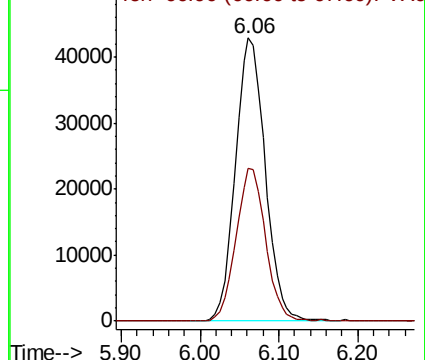
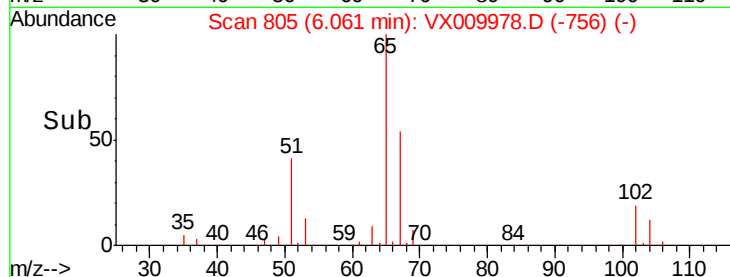
65 100

67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX009978.D (-756) (-)

Ion 66.90 (66.60 to 67.60): VX009978.D (-756) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

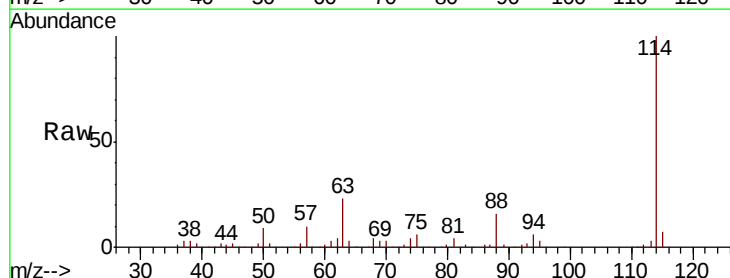
Tgt Ion: 114 Resp: 260958

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.4

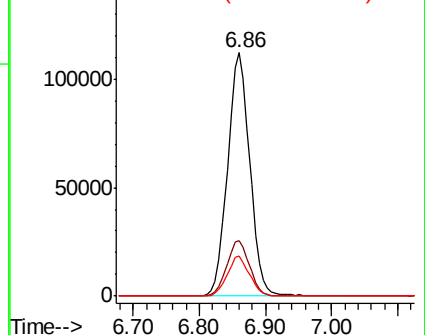
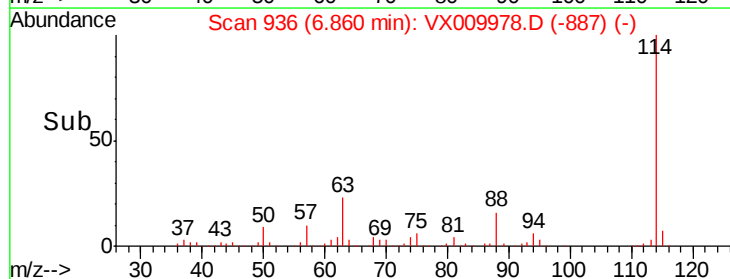
88 16.4 0.0 33.0

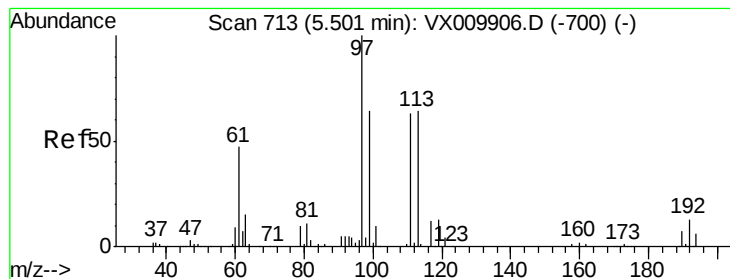


Abundance Ion 113.90 (113.60 to 114.60): VX009978.D (-887) (-)

Ion 63.00 (62.70 to 63.70): VX009978.D (-887) (-)

Ion 87.90 (87.60 to 88.60): VX009978.D (-887) (-)





#35

Dibromofluoromethane

Concen: 50.084 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

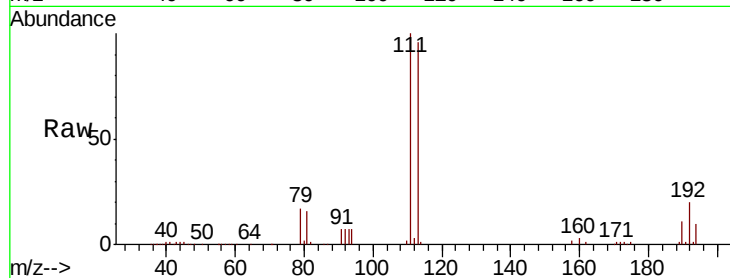
Tgt Ion:113 Resp: 82171

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

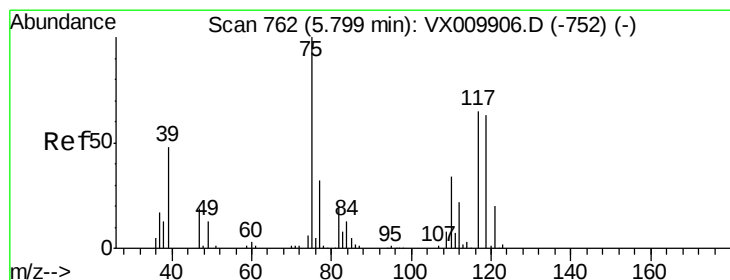
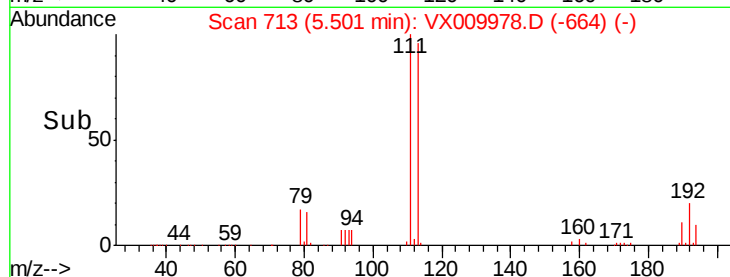
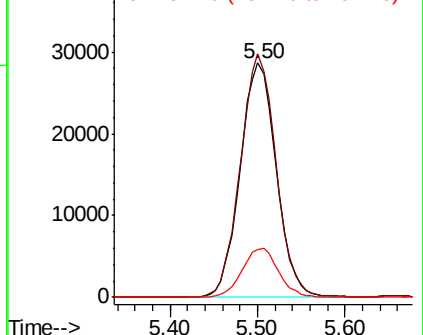
192 20.9 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

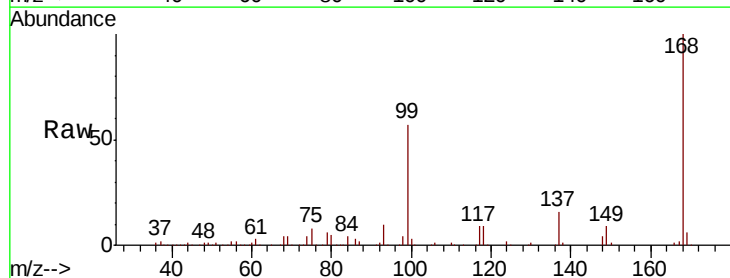
Tgt Ion: 75 Resp: 13131

Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.1#

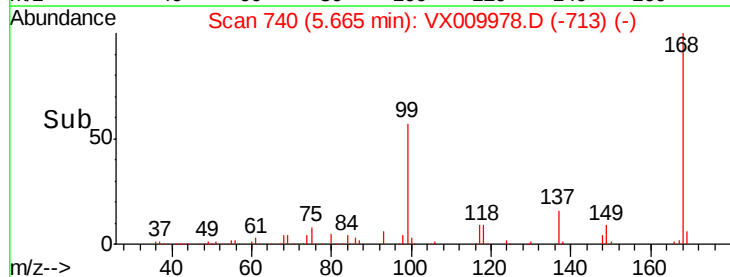
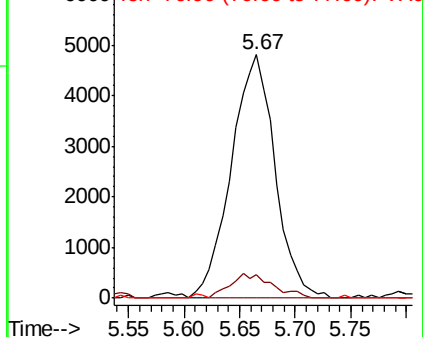
77 0.0 25.0 37.4#

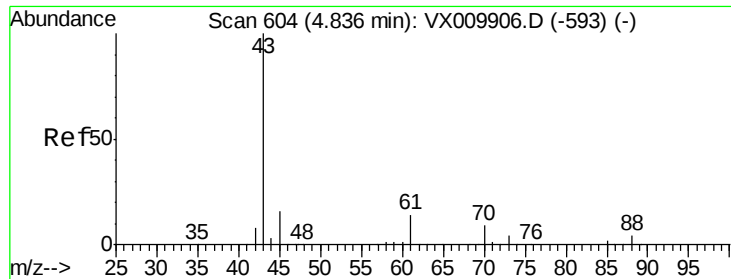


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

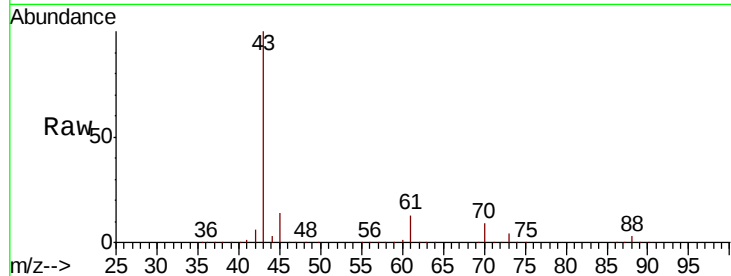




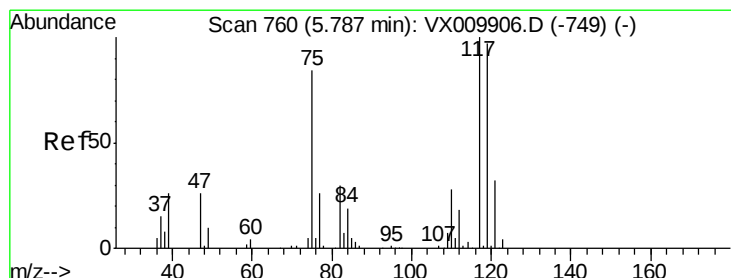
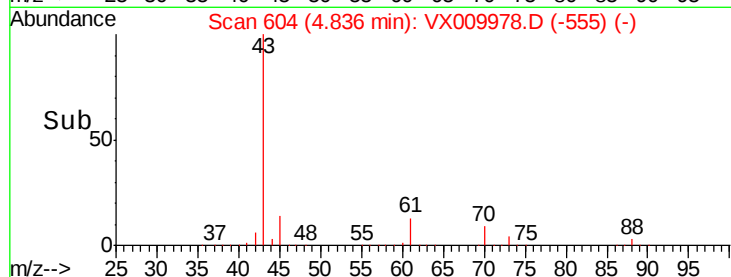
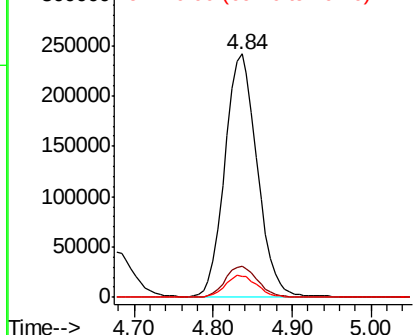
#37
Ethyl Acetate
Concen: 185.978 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

Tgt Ion: 43 Resp: 686123
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.2
70 9.1 7.4 11.2

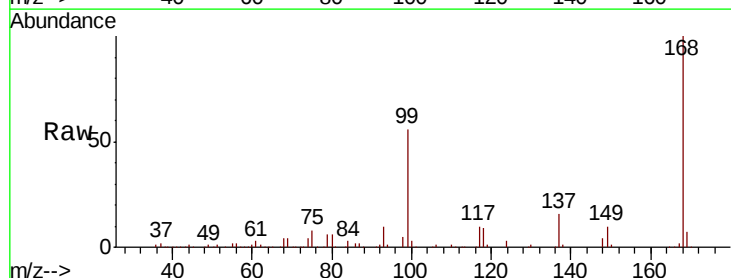


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

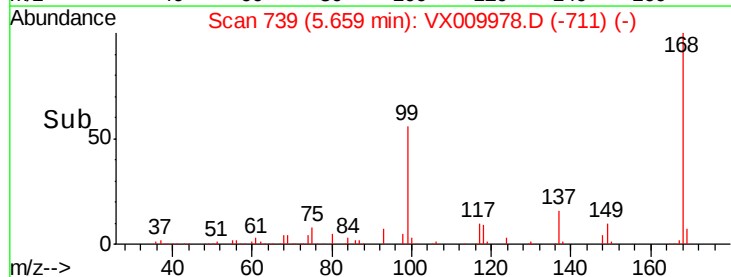
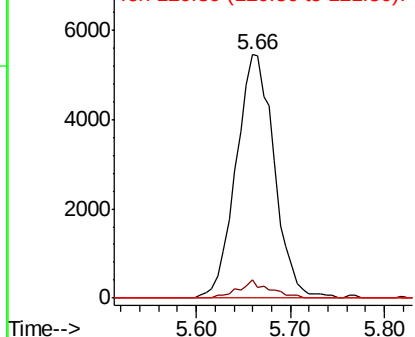


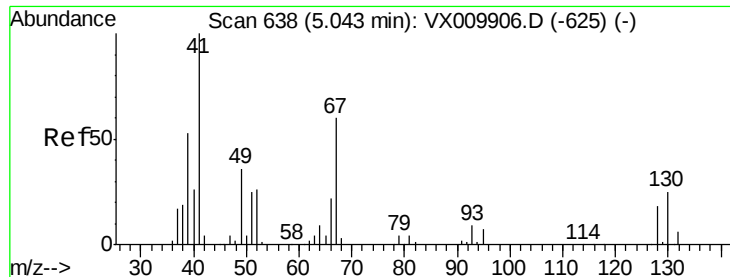
#38
Carbon Tetrachloride
Concen: 6.753 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 117 Resp: 15450
Ion Ratio Lower Upper
117 100
119 7.3 77.3 115.9#
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

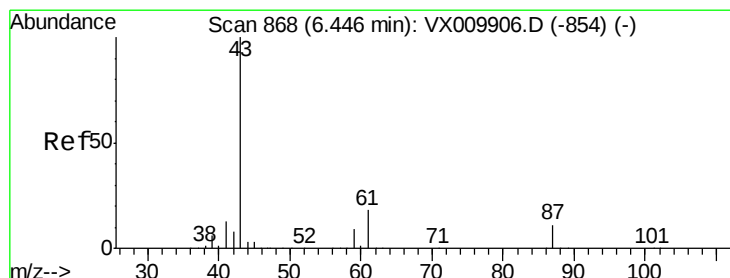
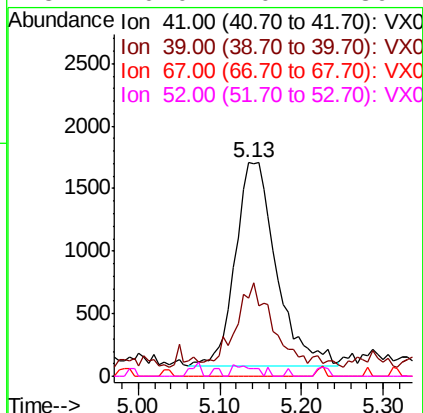
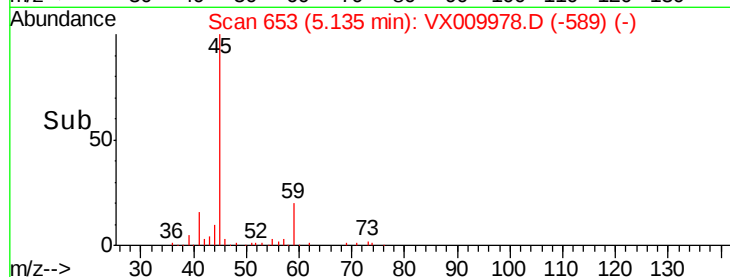
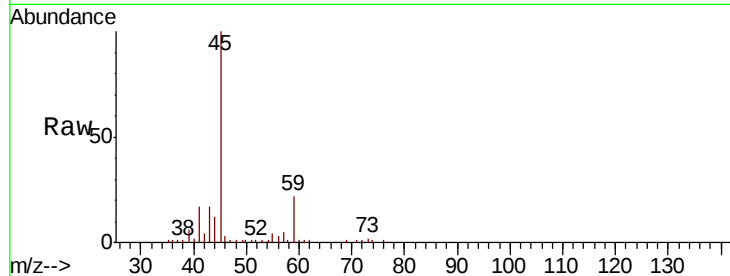




#41
Methacrylonitrile
Concen: 2.630 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.09 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

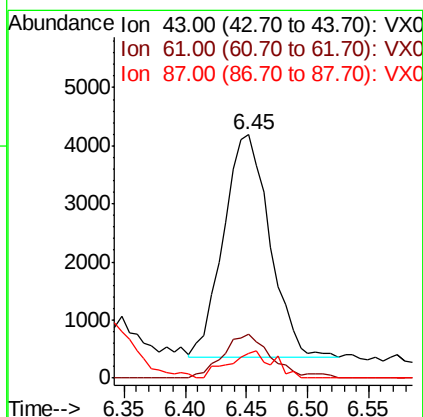
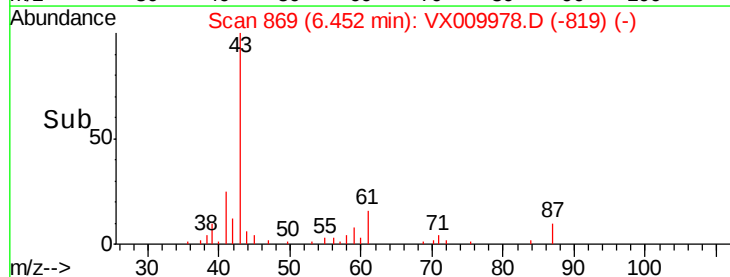
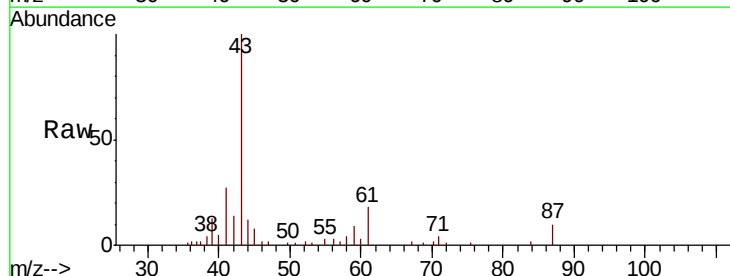
Instrument :
MSVOA_X
ClientSampled :
COMP-1

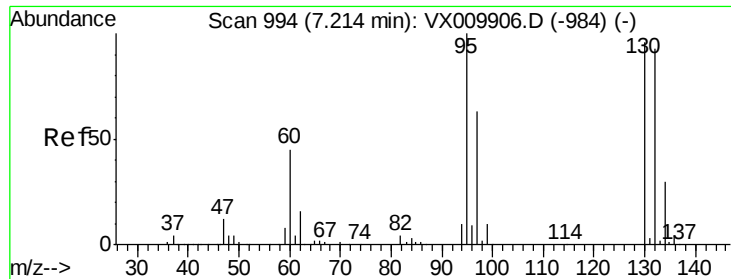
Tgt Ion: 41 Resp: 5669
Ion Ratio Lower Upper
41 100
39 37.1 42.2 63.4#
67 0.0 48.9 73.3#
52 0.0 20.1 30.1#



#43
Isopropyl Acetate
Concen: 1.696 ug/l
RT: 6.45 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 43 Resp: 10095
Ion Ratio Lower Upper
43 100
61 19.9 14.6 21.8
87 11.7 8.7 13.1





#44

Trichloroethene

Concen: 0.401 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

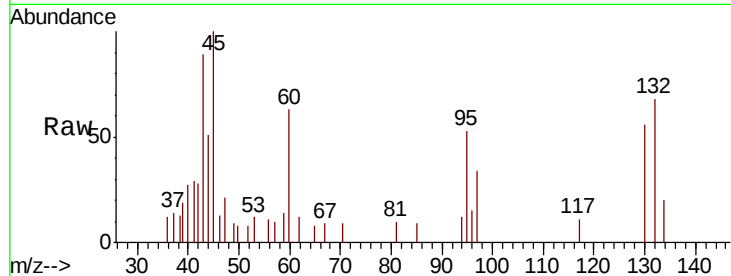
COMP-1

Tgt Ion:130 Resp: 765

Ion Ratio Lower Upper

130 100

95 94.5 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

400

300

200

100

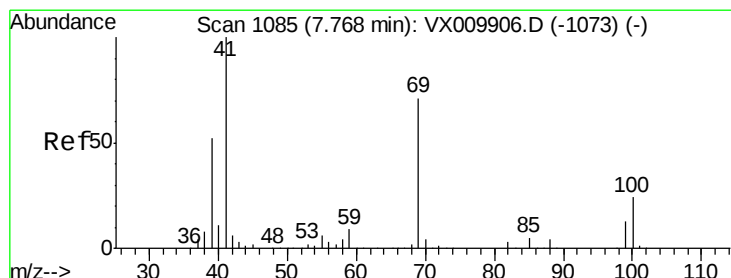
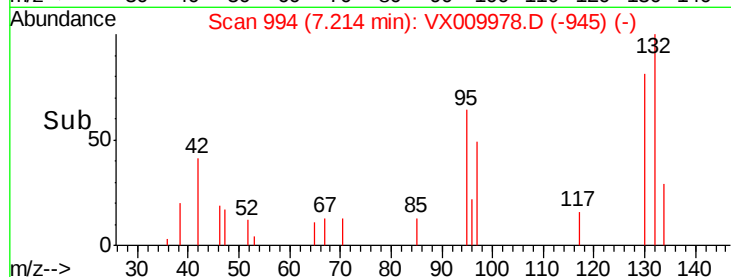
0

7.15

7.20

7.25

Time-->



#48

Methyl methacrylate

Concen: 1.068 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

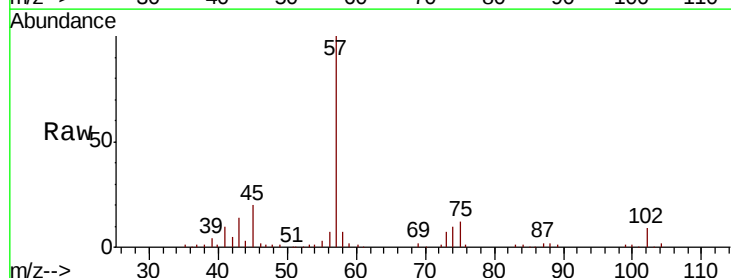
Tgt Ion: 41 Resp: 3148

Ion Ratio Lower Upper

41 100

69 23.1 56.4 84.6#

39 38.2 40.6 60.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

5000

4000

3000

2000

1000

0

7.65

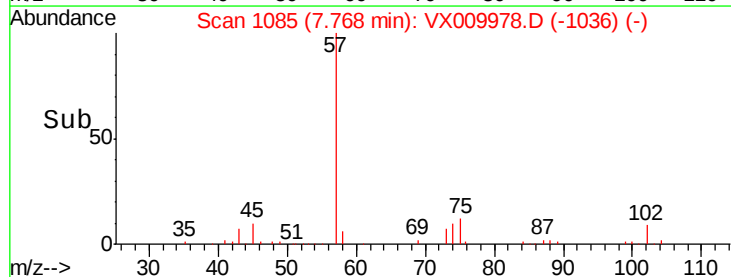
7.70

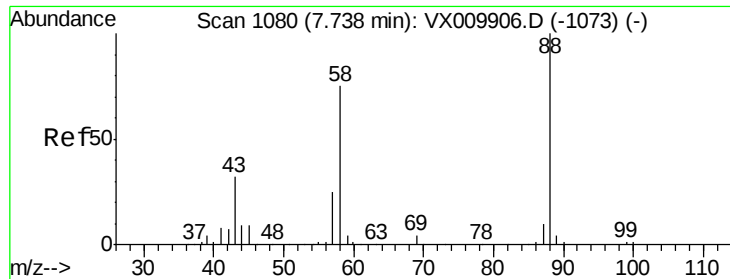
7.75

7.80

7.85

Time-->

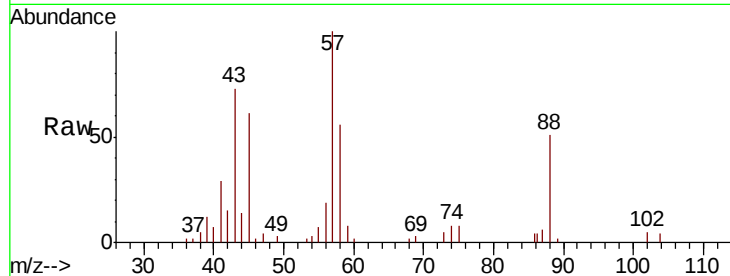




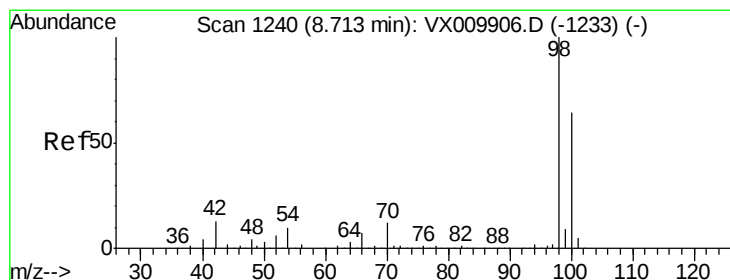
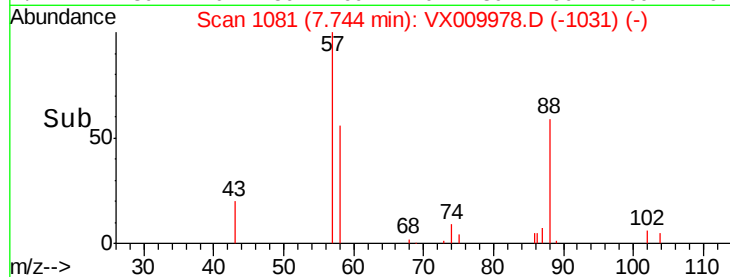
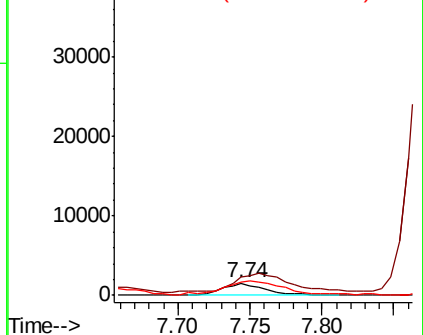
#49
 1,4-Dioxane
 Concen: 56.500 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Tgt Ion: 88 Resp: 3097
 Ion Ratio Lower Upper
 88 100
 43 193.0 30.2 45.4#
 58 142.1 64.0 96.0#

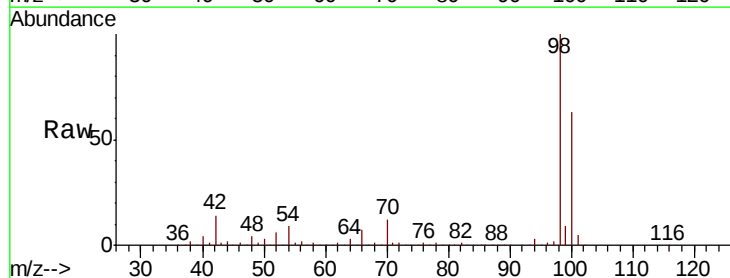


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

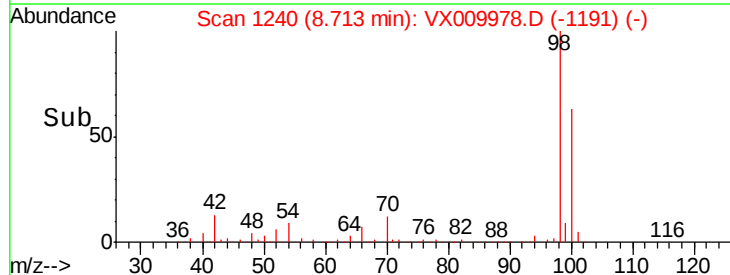
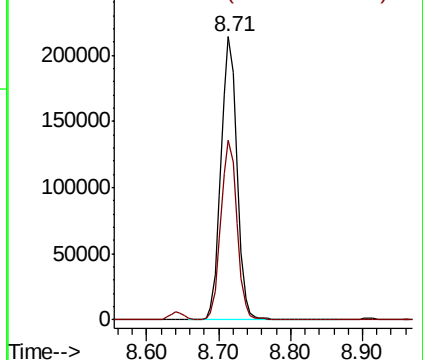


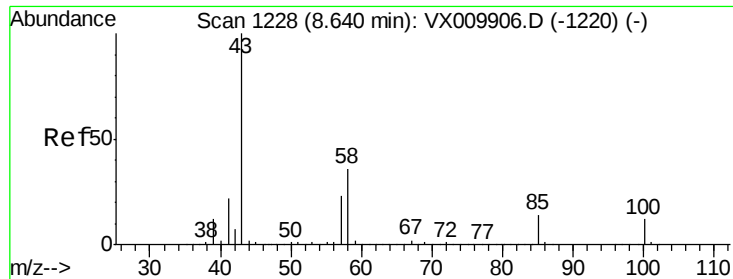
#50
 Toluene-d8
 Concen: 49.893 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Tgt Ion: 98 Resp: 332401
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

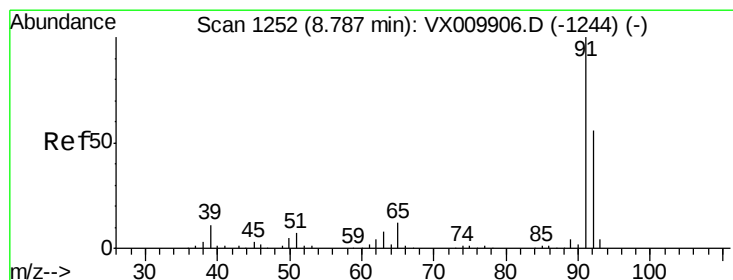
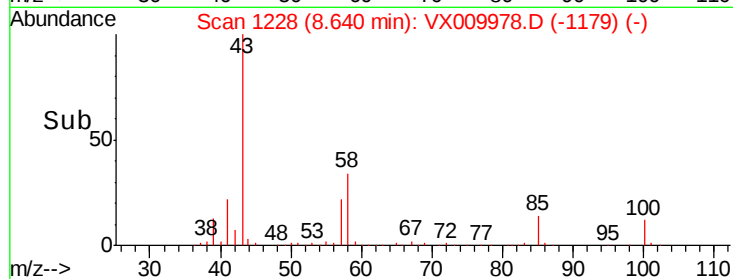
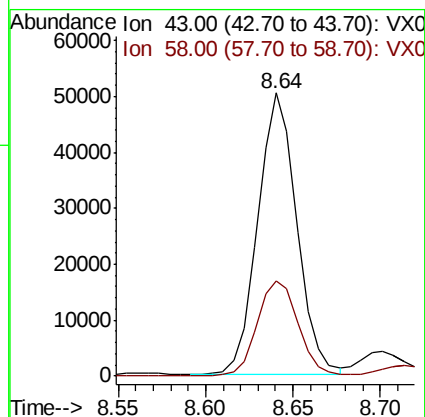
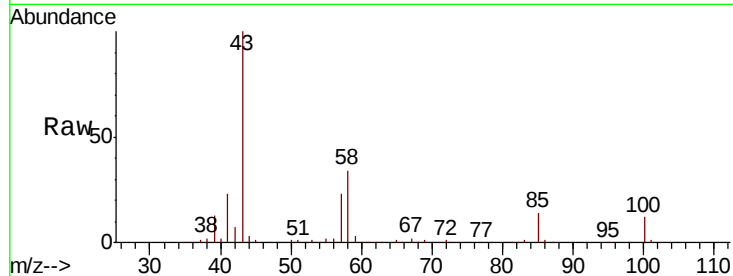




#51
4-Methyl-2-Pentanone
Concen: 20.058 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

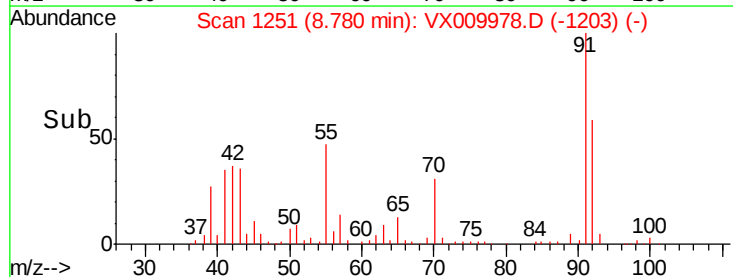
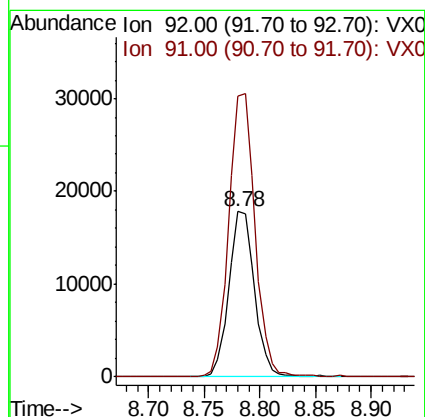
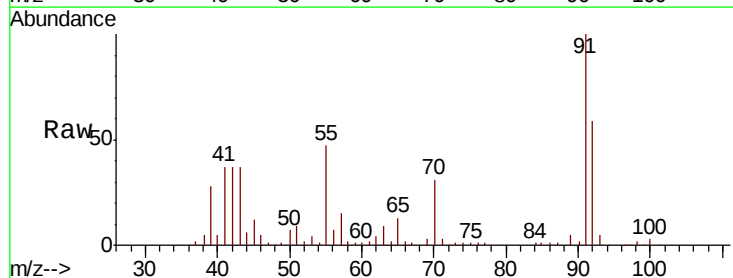
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

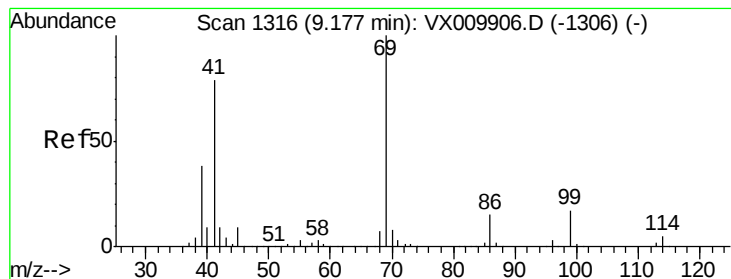
Tgt Ion: 43 Resp: 77673
Ion Ratio Lower Upper
43 100
58 35.7 28.8 43.2



#52
Toluene
Concen: 5.979 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 92 Resp: 28514
Ion Ratio Lower Upper
92 100
91 174.9 139.9 209.9





#56

Ethyl methacrylate

Concen: 0.267 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

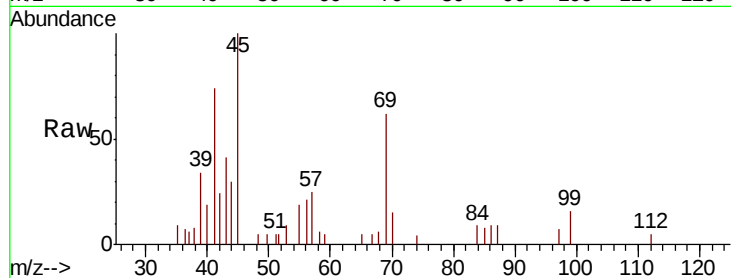
Tgt Ion: 69 Resp: 913

Ion Ratio Lower Upper

69 100

41 0.0 62.7 94.1#

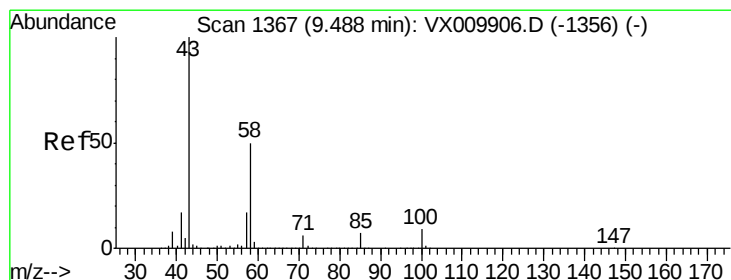
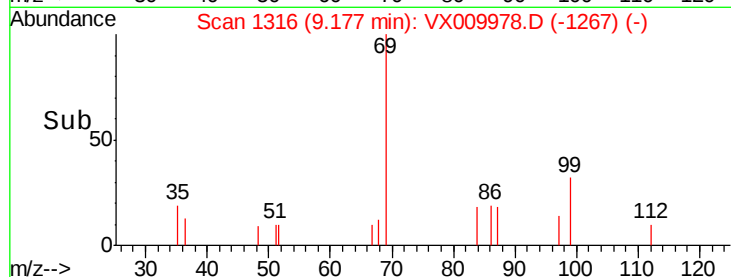
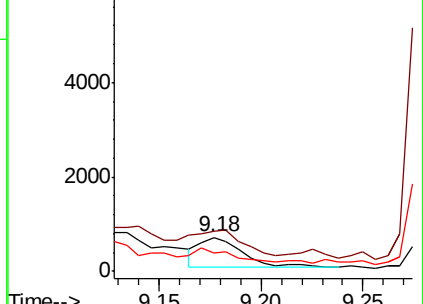
39 0.0 29.5 44.3#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 91.395 ug/l

RT: 9.44 min Scan# 1359

Delta R.T. -0.05 min

Lab File: VX009978.D

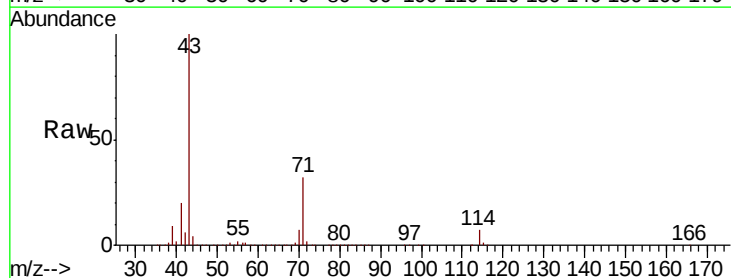
Acq: 31 May 2019 12:01

Tgt Ion: 43 Resp: 272479

Ion Ratio Lower Upper

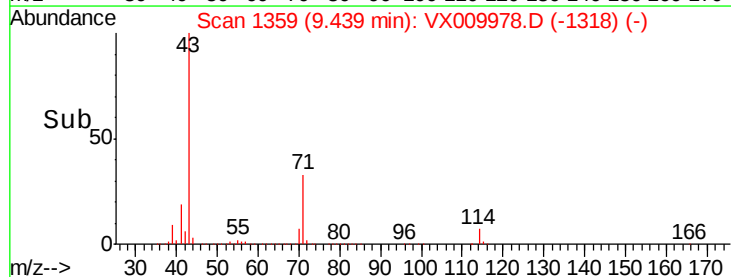
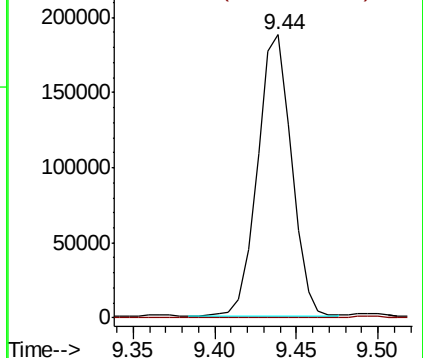
43 100

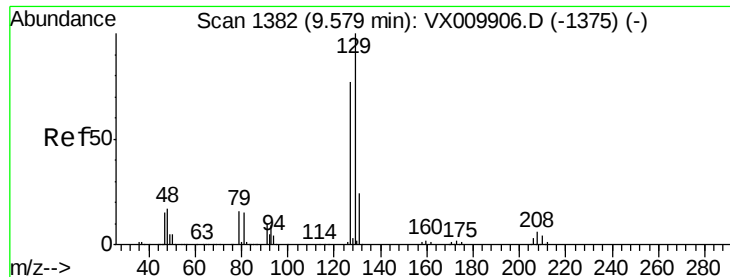
58 0.0 25.1 75.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 2.707 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

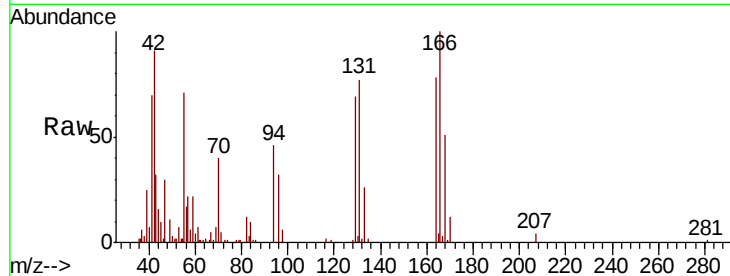
COMP-1

Tgt Ion:129 Resp: 5111

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

3000

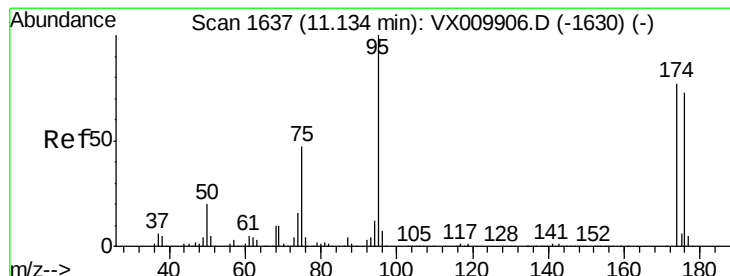
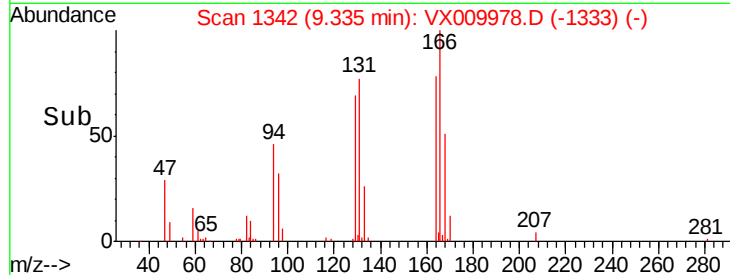
2000

1000

0

Time-->

9.30 9.35 9.40



#62

4-Bromofluorobenzene

Concen: 49.427 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

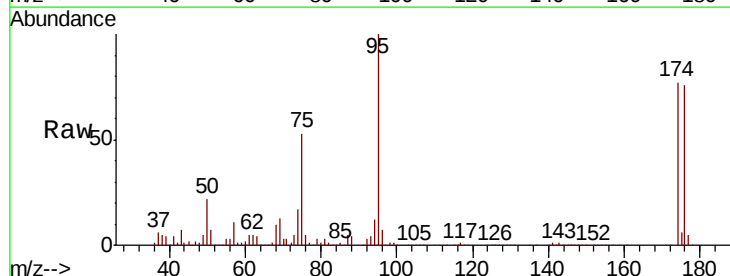
Tgt Ion: 95 Resp: 118279

Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.4

176 79.2 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

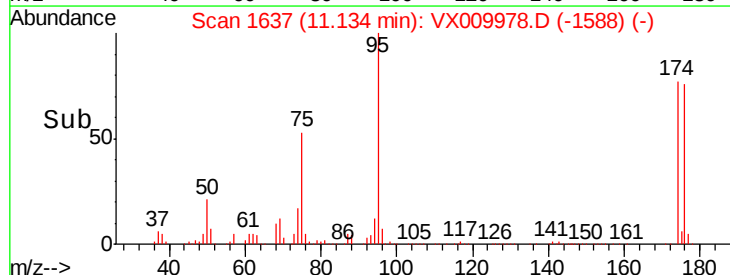
40000

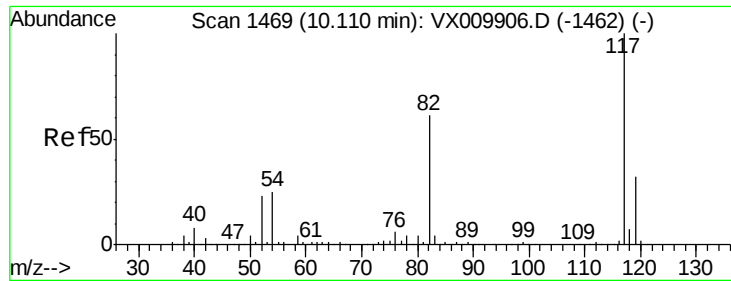
20000

0

Time-->

11.10 11.20

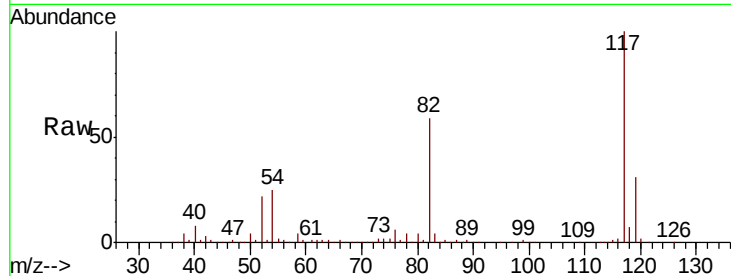




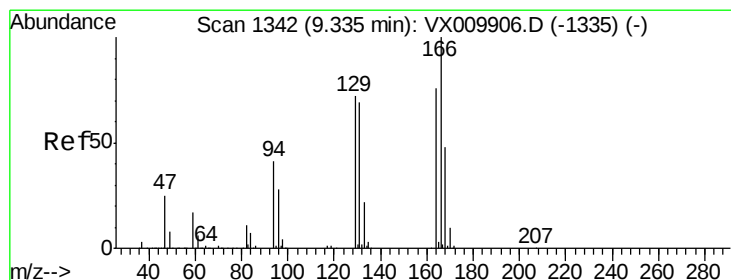
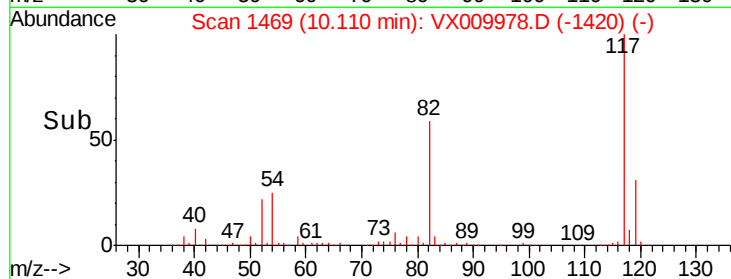
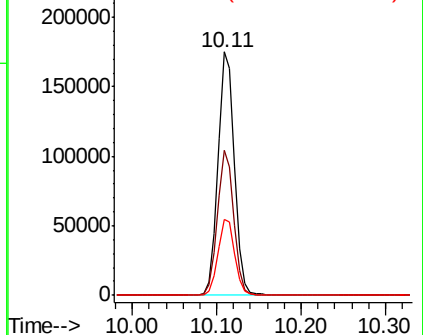
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

Tgt Ion:117 Resp: 237397
Ion Ratio Lower Upper
117 100
82 59.3 49.2 73.8
119 31.1 25.2 37.8

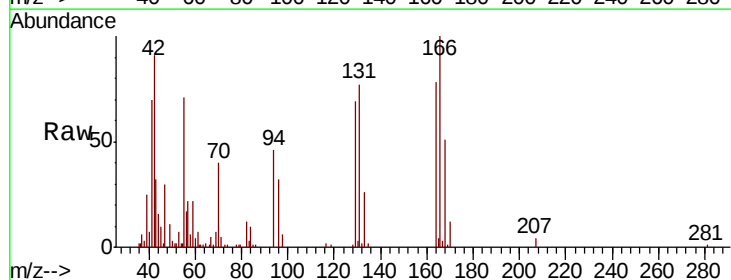


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

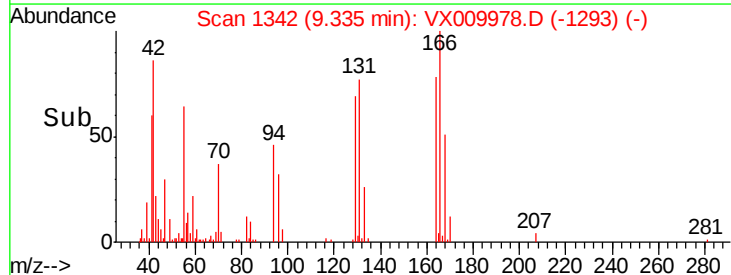
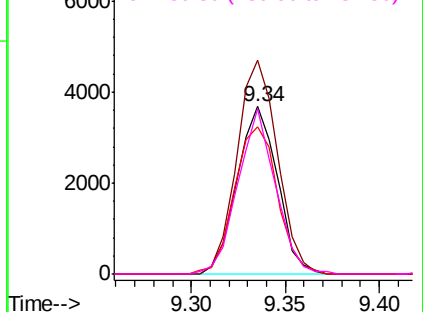


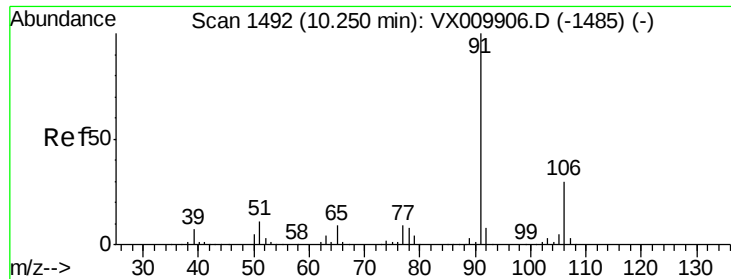
#64
Tetrachloroethene
Concen: 3.285 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion:164 Resp: 5447
Ion Ratio Lower Upper
164 100
166 127.5 105.0 157.4
129 88.0 75.1 112.7
131 98.8 72.2 108.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 1.768 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

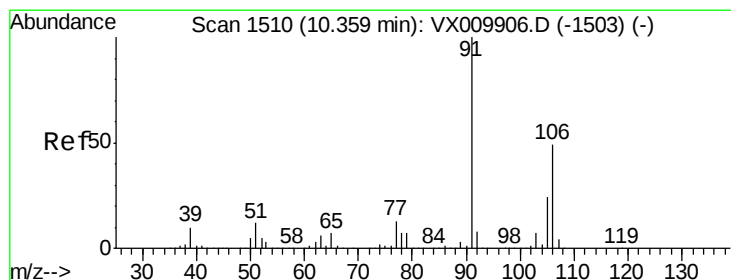
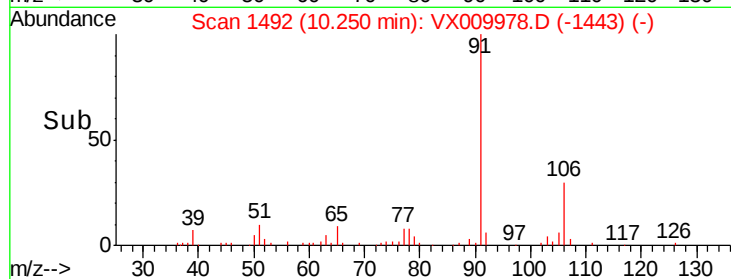
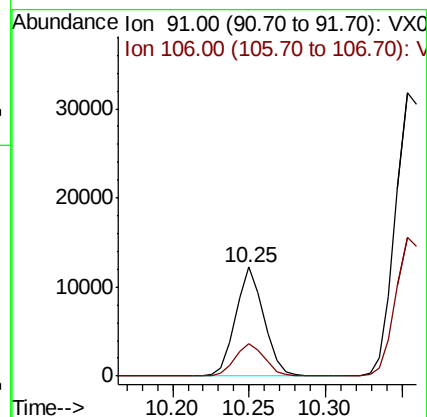
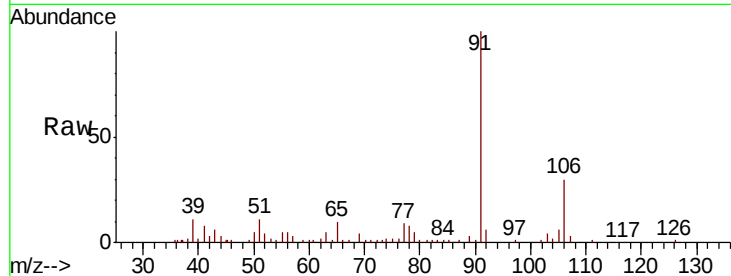
COMP-1

Tgt Ion: 91 Resp: 15775

Ion Ratio Lower Upper

91 100

106 29.5 23.9 35.9



#68

m/p-Xylenes

Concen: 6.498 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009978.D

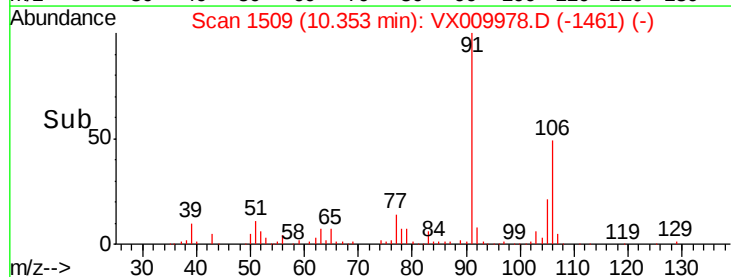
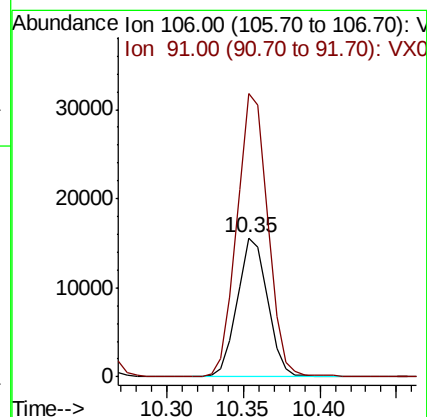
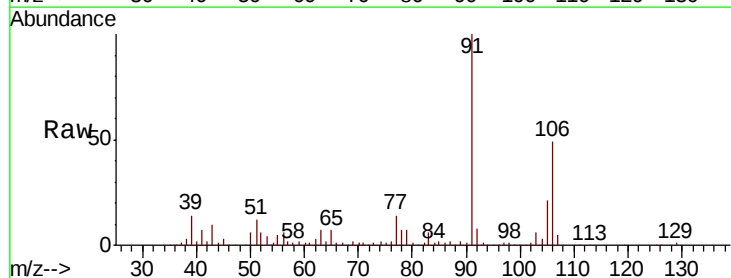
Acq: 31 May 2019 12:01

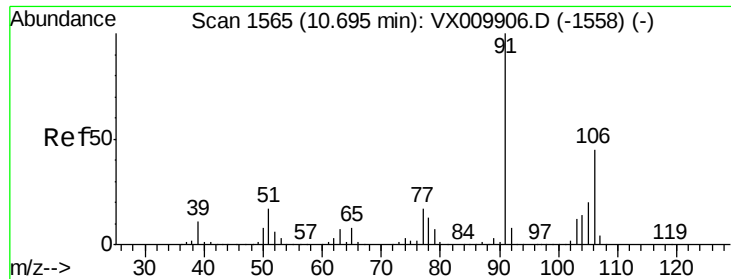
Tgt Ion: 106 Resp: 21422

Ion Ratio Lower Upper

106 100

91 209.0 167.3 250.9

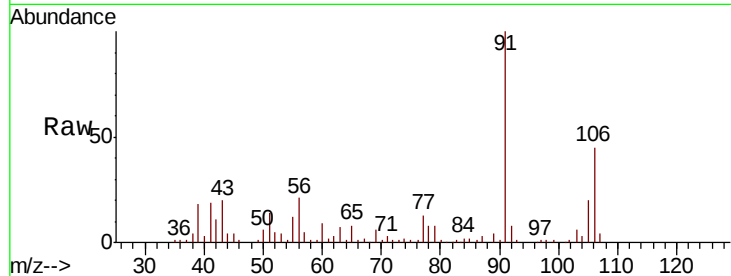




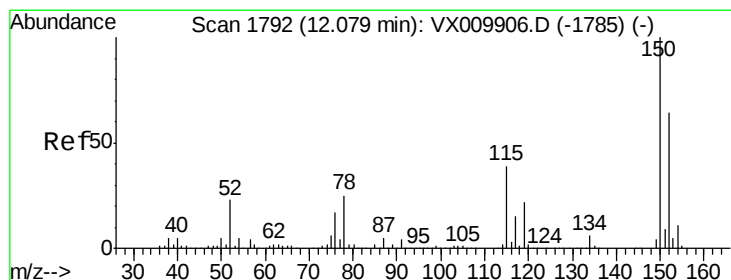
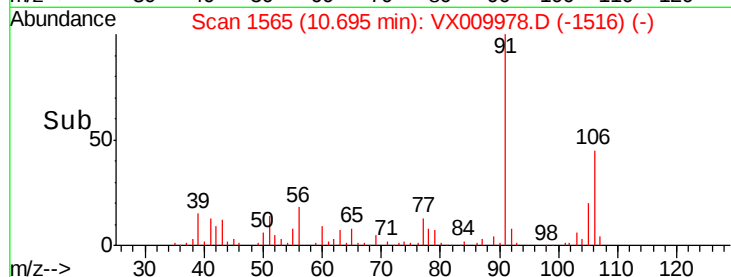
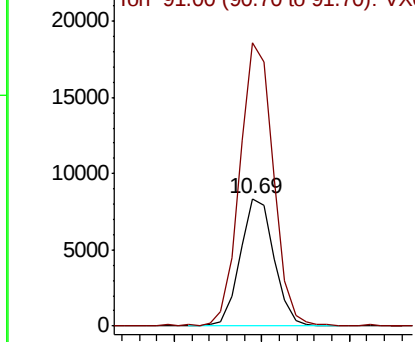
#69
o-Xylene
Concen: 3.558 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Instrument :
MSVOA_X
ClientSampled :
COMP-1

Tgt Ion:106 Resp: 11248
Ion Ratio Lower Upper
106 100
91 220.3 110.4 331.2

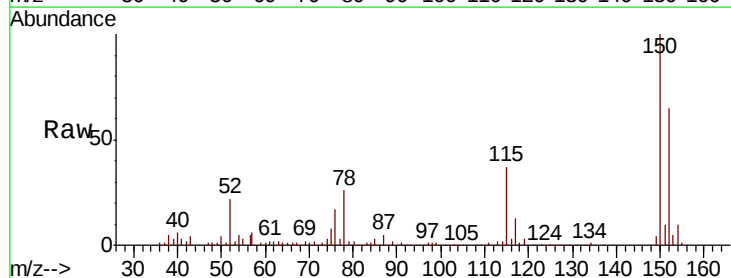


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

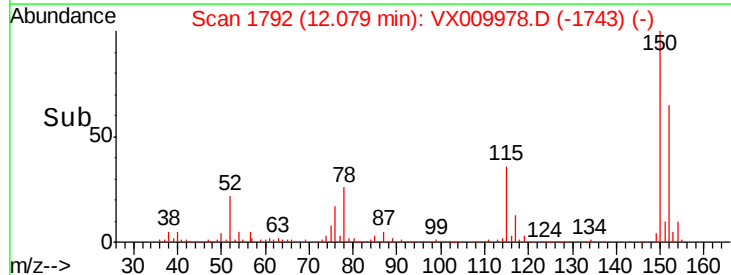
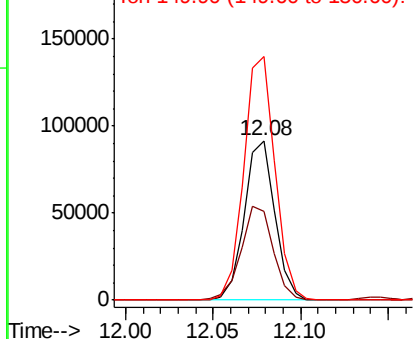


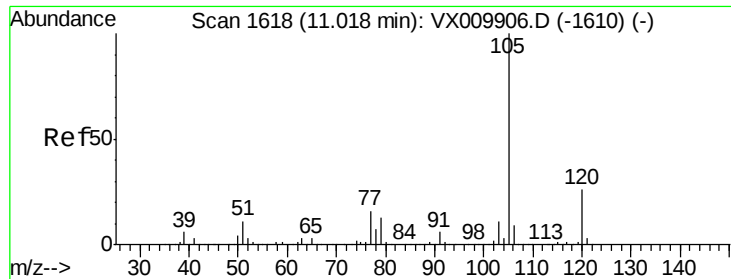
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion:152 Resp: 110911
Ion Ratio Lower Upper
152 100
115 61.5 41.4 124.2
150 155.9 0.0 345.2



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: 0.289 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

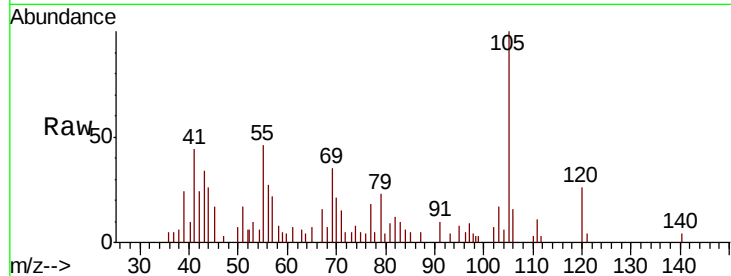
COMP-1

Tgt Ion:105 Resp: 2361

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

2000

1500

1000

500

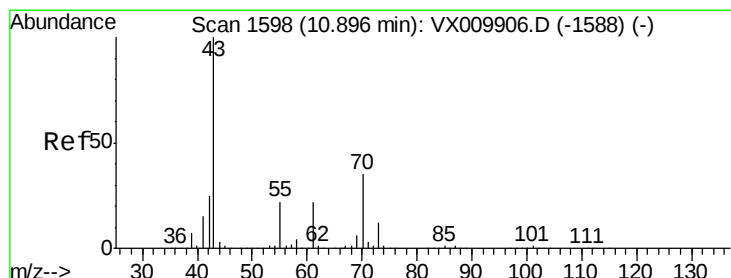
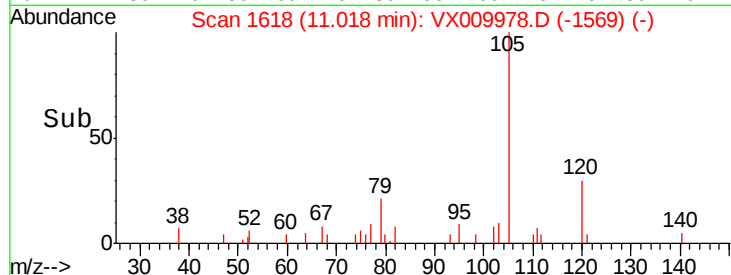
0

Time-->

10.95

11.00

11.05



#74

N-ethyl acetate

Concen: 1.766 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Tgt Ion: 43 Resp: 8637

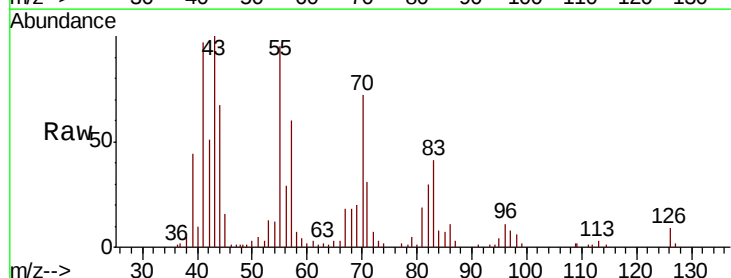
Ion Ratio Lower Upper

43 100

70 91.4 28.6 43.0#

55 146.3 17.8 26.8#

61 6.9 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

50000

40000

30000

20000

10000

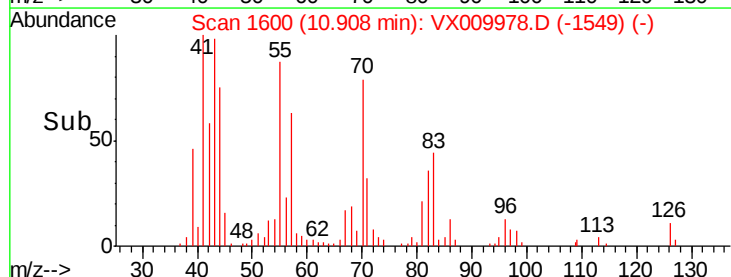
0

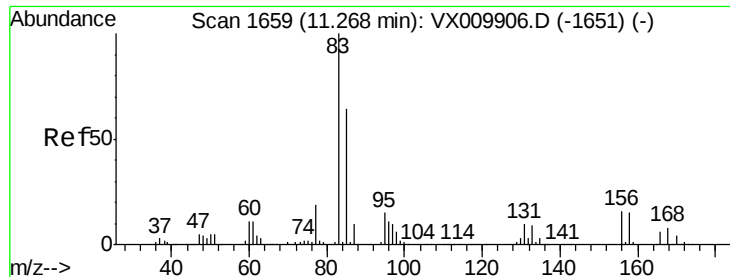
Time-->

10.85

10.90

10.91





#75

1,1,2,2-Tetrachloroethane

Concen: 0.230 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

COMP-1

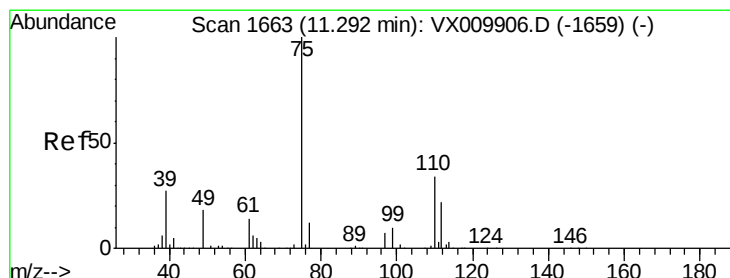
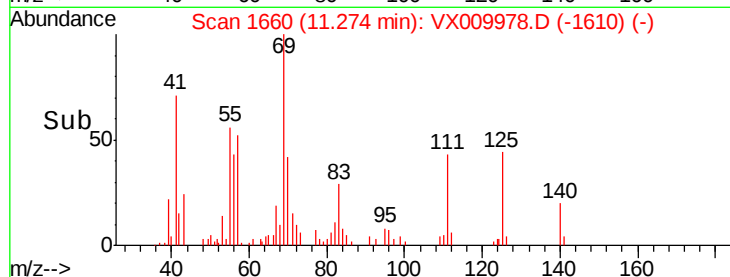
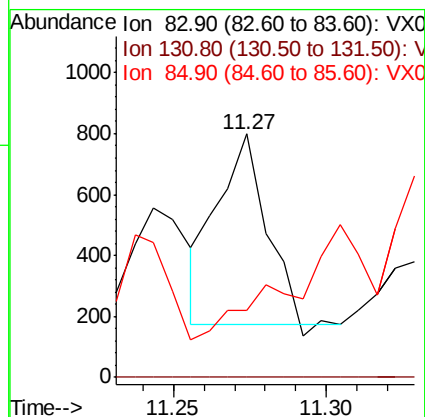
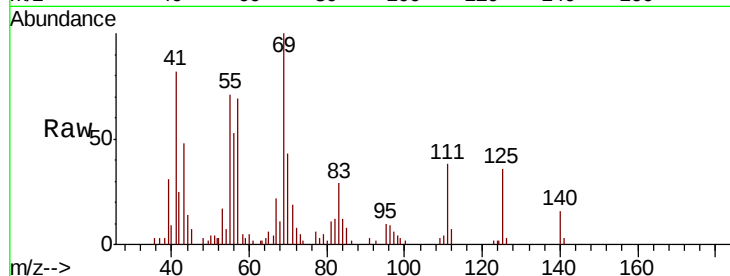
Tgt Ion: 83 Resp: 702

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 23.375 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009978.D

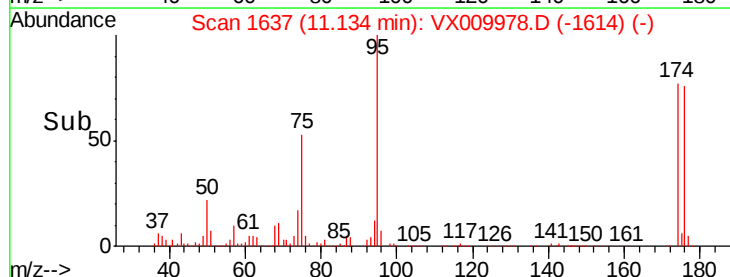
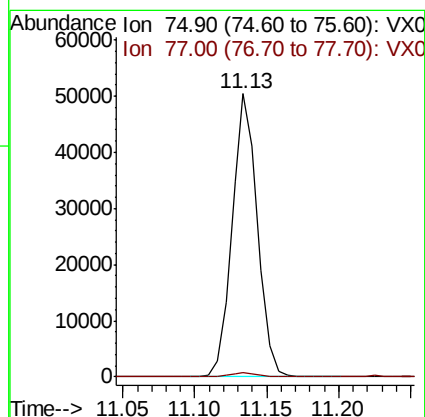
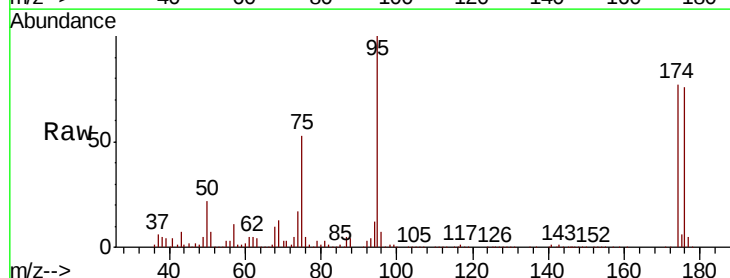
Acq: 31 May 2019 12:01

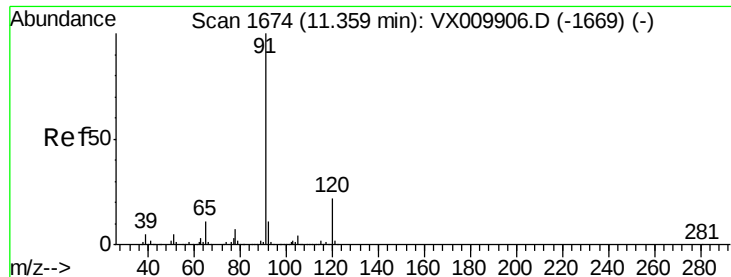
Tgt Ion: 75 Resp: 61996

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#





#78

n-propylbenzene

Concen: 1.013 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

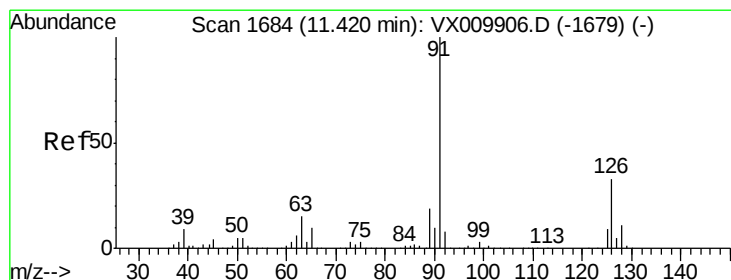
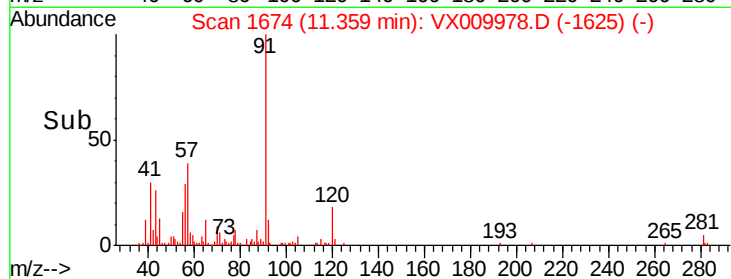
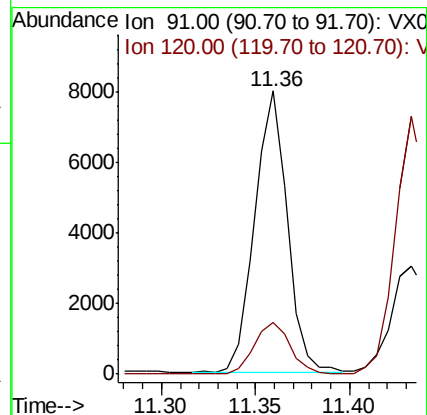
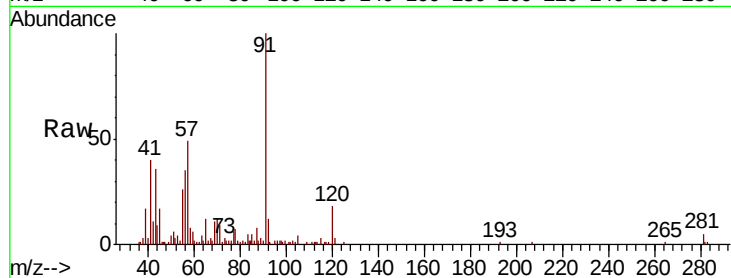
COMP-1

Tgt Ion: 91 Resp: 9557

Ion Ratio Lower Upper

91 100

120 20.2 11.1 33.3



#79

2-Chlorotoluene

Concen: 0.937 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX009978.D

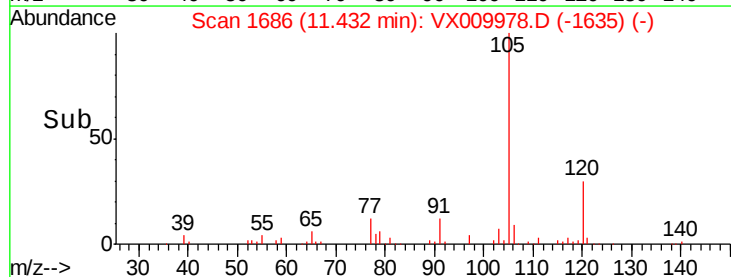
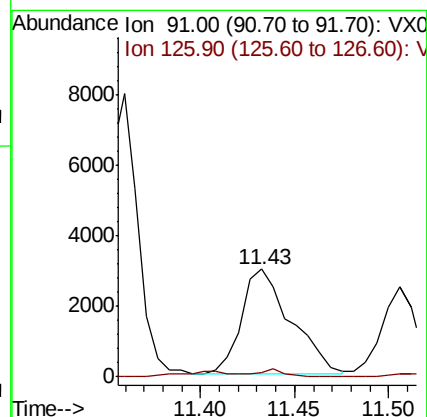
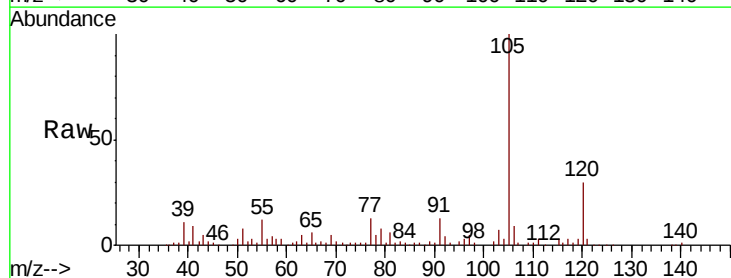
Acq: 31 May 2019 12:01

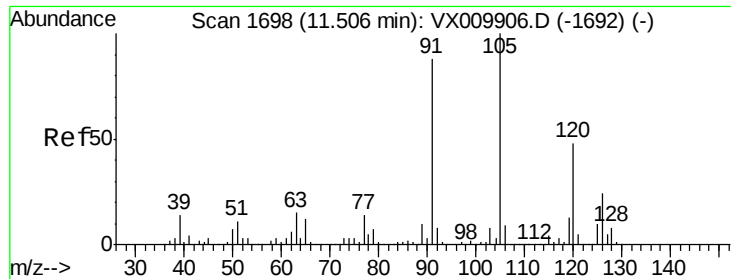
Tgt Ion: 91 Resp: 5398

Ion Ratio Lower Upper

91 100

126 3.1 16.1 48.3#





#80

1,3,5-Trimethylbenzene

Concen: 3.491 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

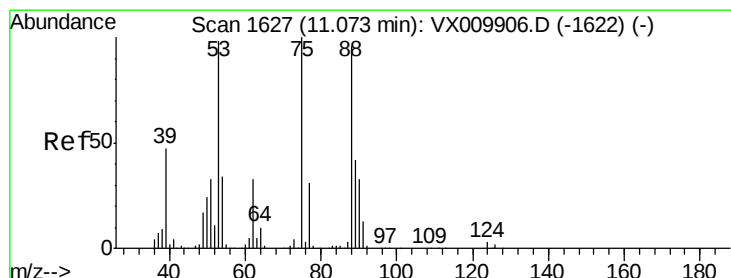
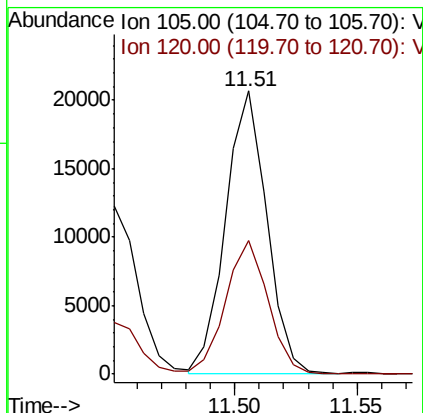
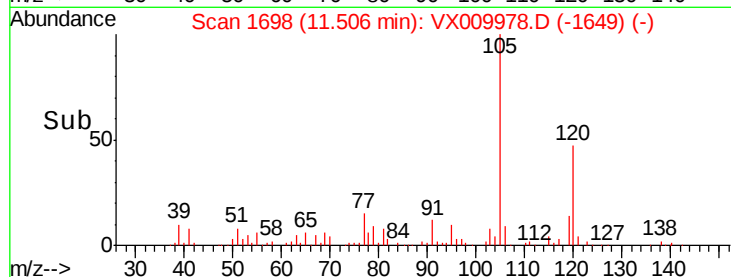
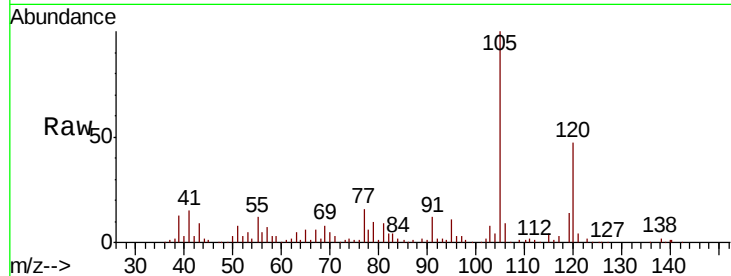
COMP-1

Tgt Ion: 105 Resp: 24064

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 57.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

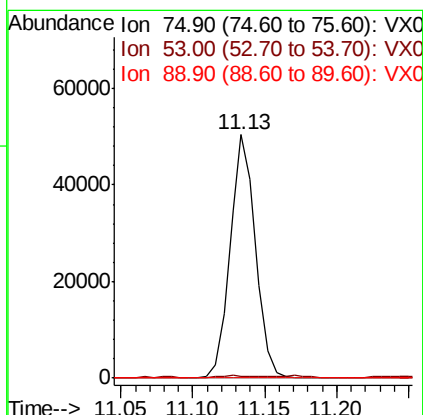
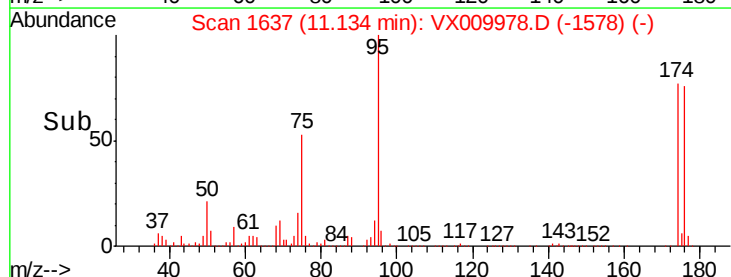
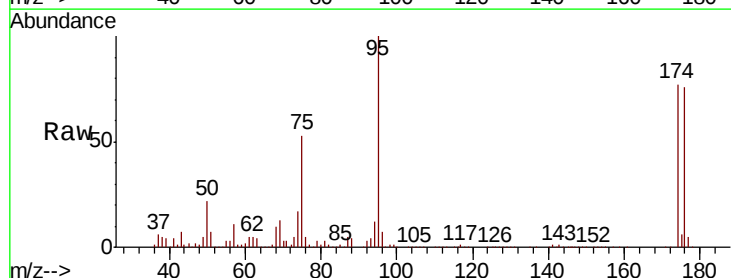
Tgt Ion: 75 Resp: 61996

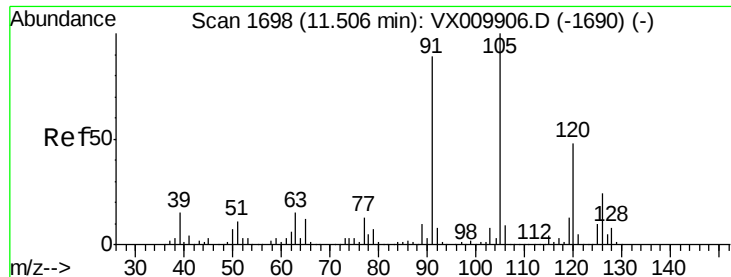
Ion Ratio Lower Upper

75 100

53 0.7 79.8 119.6#

89 0.0 34.2 51.4#

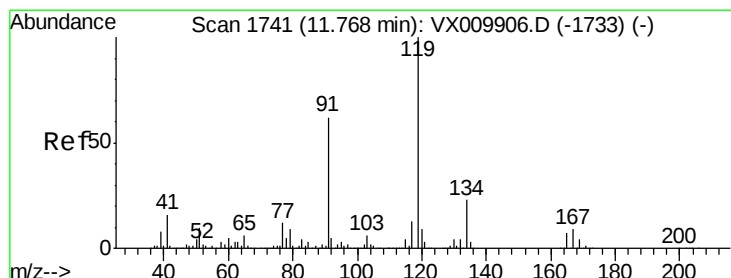
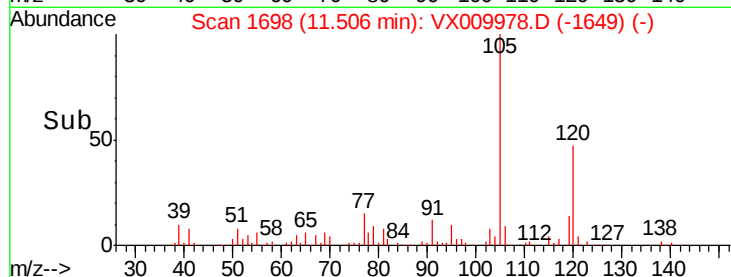
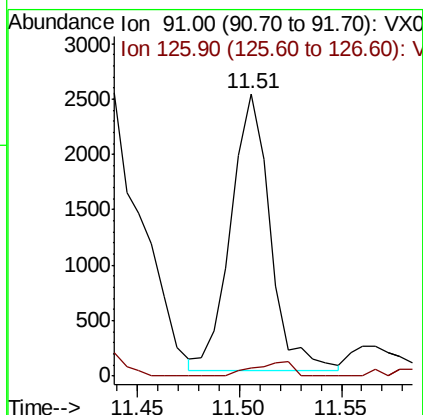
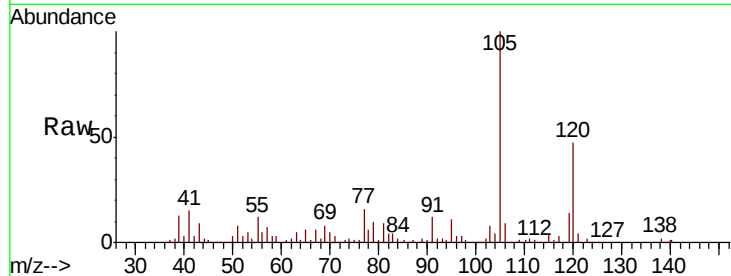




#82
4-Chlorotoluene
Concen: 0.496 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

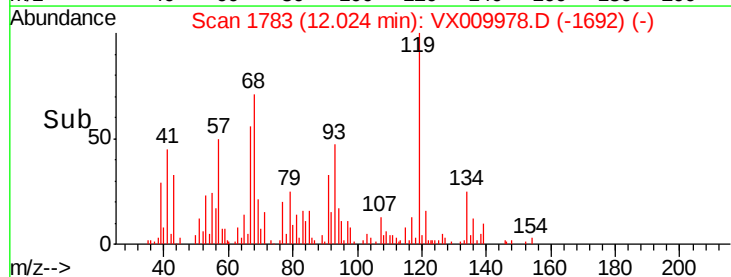
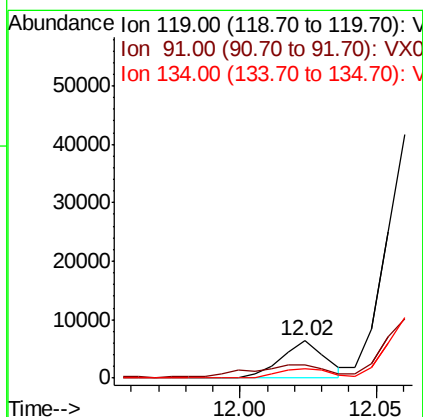
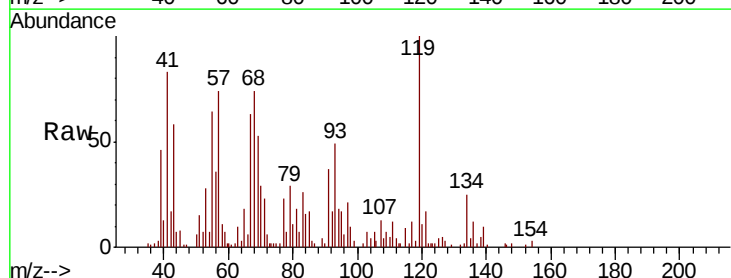
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

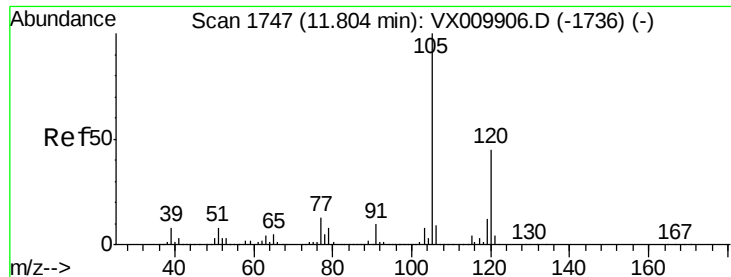
Tgt Ion: 91 Resp: 3330
Ion Ratio Lower Upper
91 100
126 5.0 14.2 42.6#



#83
tert-Butylbenzene
Concen: 1.088 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.26 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 119 Resp: 7176
Ion Ratio Lower Upper
119 100
91 59.8 30.0 90.0
134 30.8 11.2 33.5

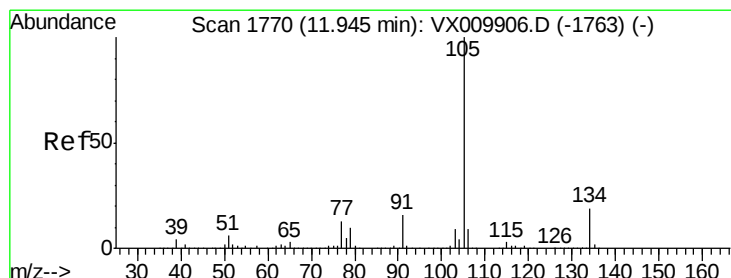
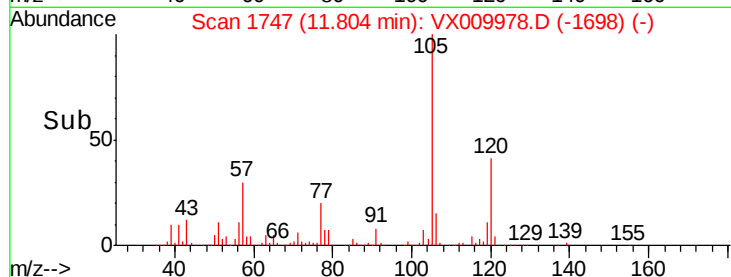
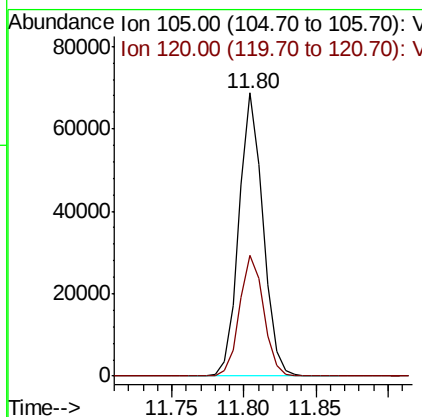
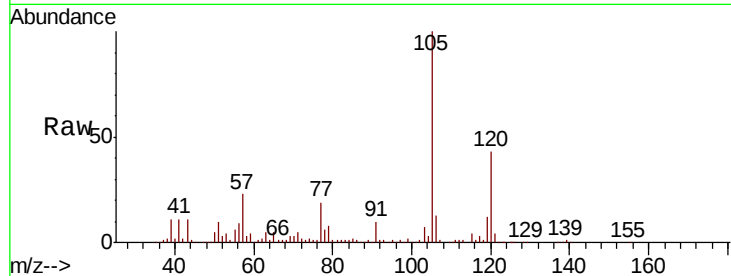




#84
 1,2,4-Trimethylbenzene
 Concen: 11.393 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

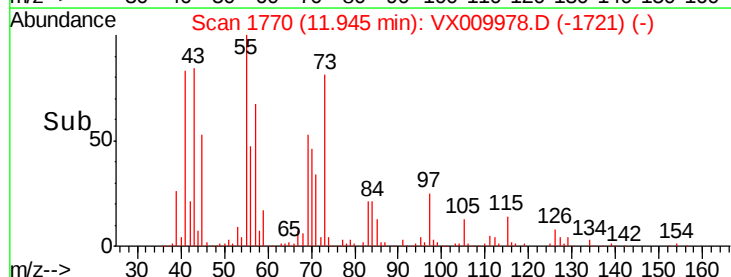
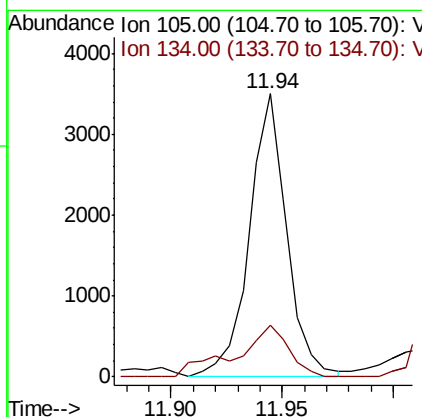
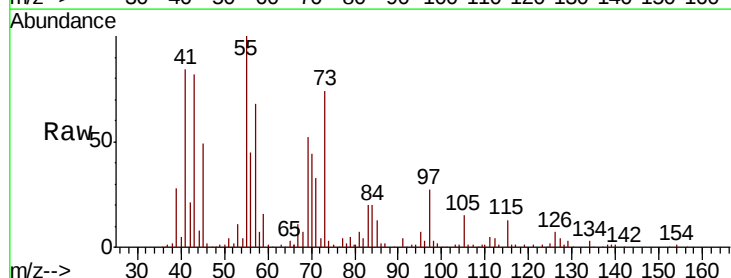
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

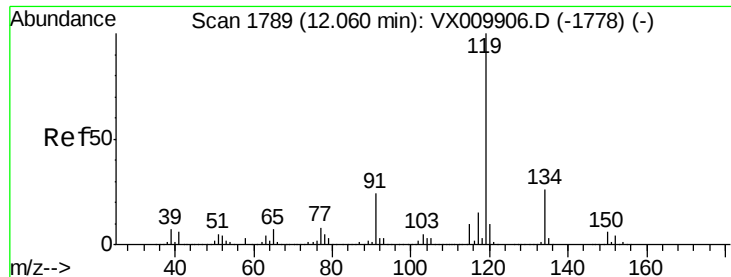
Tgt Ion:105 Resp: 79767
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.1 66.1



#85
 sec-Butylbenzene
 Concen: 0.522 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Tgt Ion:105 Resp: 4095
 Ion Ratio Lower Upper
 105 100
 134 26.1 9.7 28.9

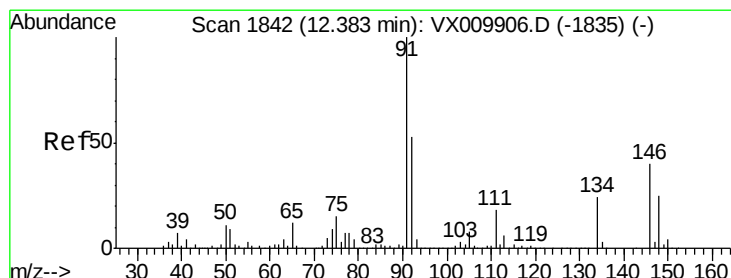
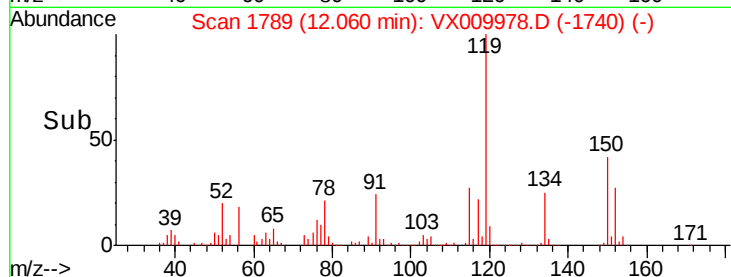
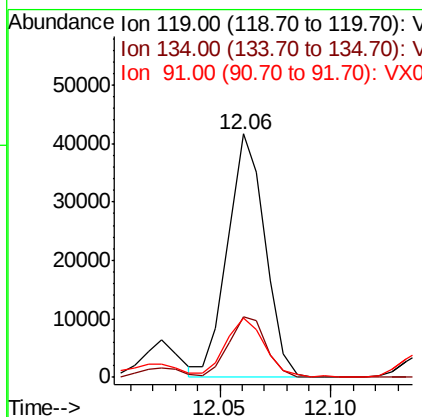
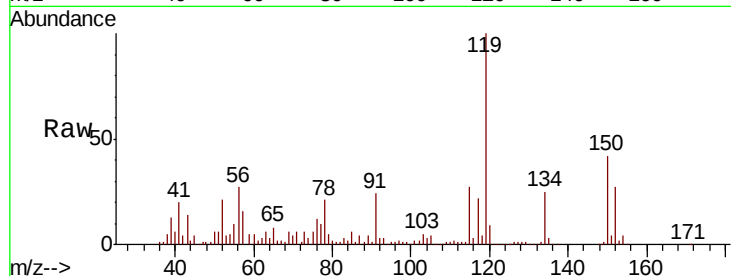




#86
p-Isopropyltoluene
Concen: 6.887 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

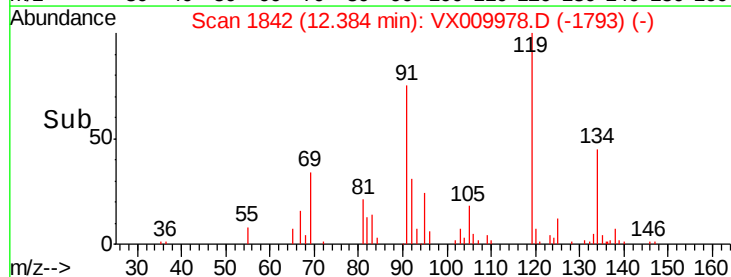
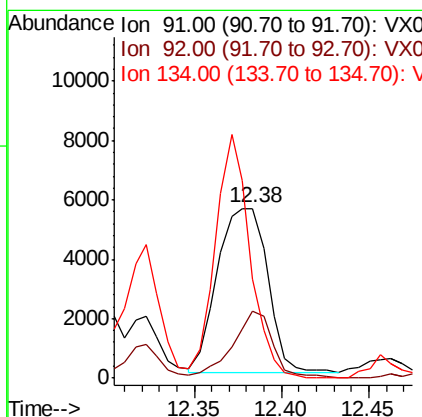
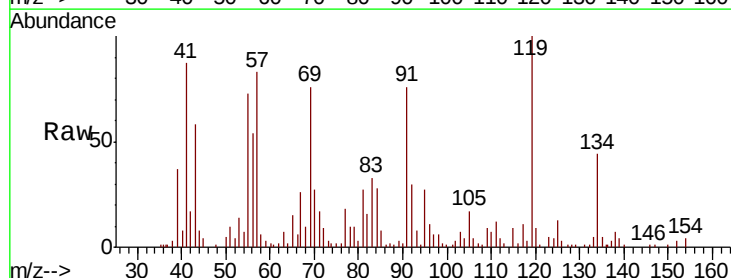
Instrument :
MSVOA_X
ClientSampled :
COMP-1

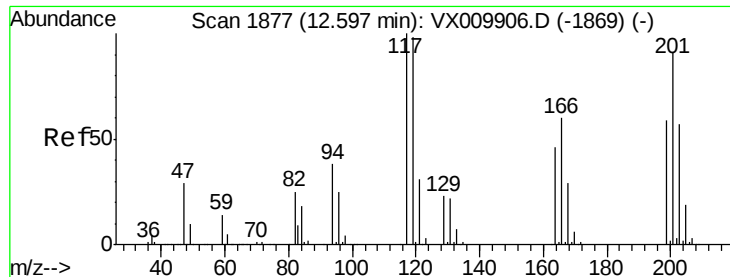
Tgt Ion: 119 Resp: 48607
Ion Ratio Lower Upper
119 100
134 24.8 12.9 38.6
91 24.4 11.9 35.9



#89
n-Butylbenzene
Concen: 1.673 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 91 Resp: 11100
Ion Ratio Lower Upper
91 100
92 32.5 26.3 78.8
134 101.7 12.3 36.8#





#90

Hexachloroethane

Concen: 1.768 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

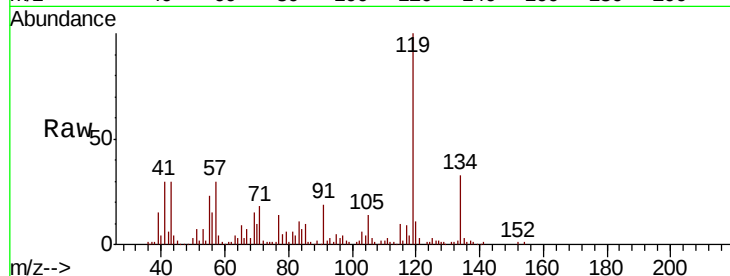
COMP-1

Tgt Ion: 117 Resp: 2142

Ion Ratio Lower Upper

117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

2000

1500

1000

500

0

12.54 12.56 12.58 12.60

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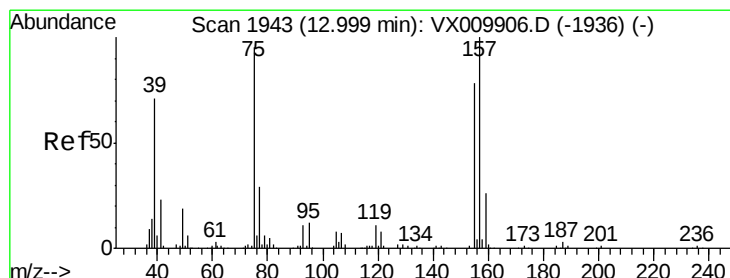
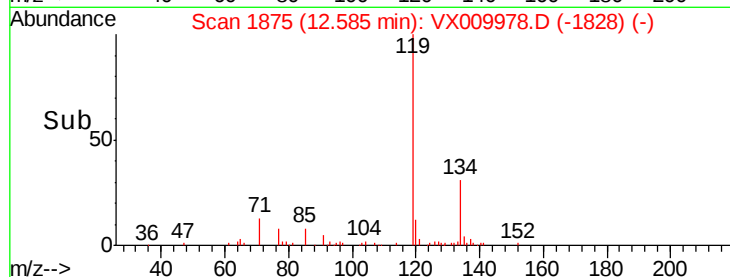
12.58

12.58

12.58

12.58

12.58



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.589 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

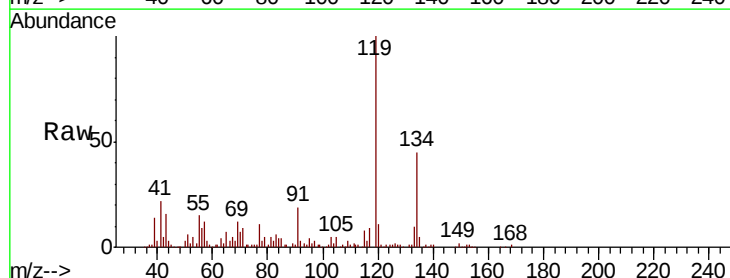
Tgt Ion: 75 Resp: 423

Ion Ratio Lower Upper

75 100

155 19.6 39.3 117.8#

157 0.0 50.6 151.8#



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

600

400

200

0

12.95

12.97

12.97

12.97

12.97

12.97

12.97

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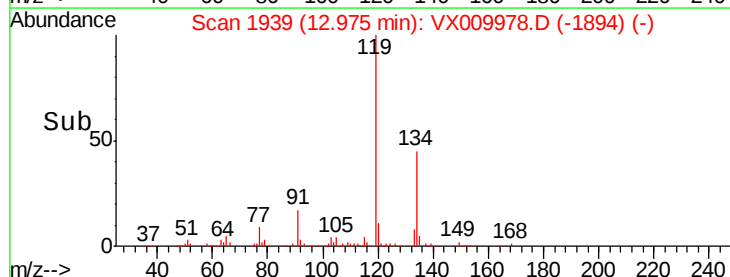
12.97

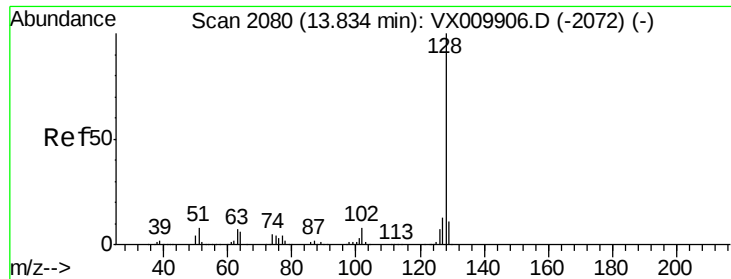
12.97

12.97

12.97

12.97

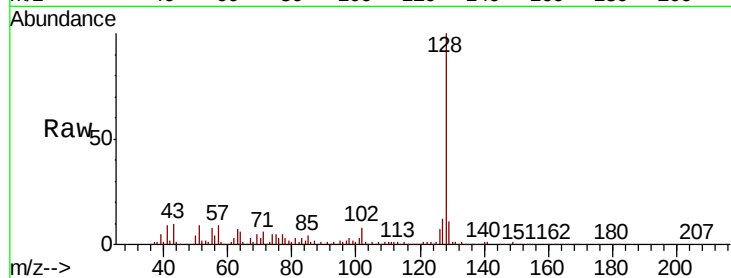




#95
Naphthalene
Concen: 8.247 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	16.0
129	11.6	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

