

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012508.D
 Acq On : 19 Sep 2019 05:24
 Operator : JC/SP
 Sample : K4887-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157

Quant Time: Sep 19 06:29:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	196741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307847	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109755	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	129003	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
35) Dibromofluoromethane	5.49	113	92310	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	360955	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.14	95	133253	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	19	0.406	ug/l #	43
3) Chloromethane	1.32	50	259	0.239	ug/l	95
5) Bromomethane	1.66	94	470	1.023	ug/l #	20
10) Methyl Iodide	2.50	142	94	4.506	ug/l #	1
11) Tert butyl alcohol	3.03	59	1021	Below Cal	#	72
13) Acrolein	2.30	56	125	Below Cal	#	15
14) Allyl chloride	2.84	41	18952	6.581	ug/l #	77
15) Acrylonitrile	3.16	53	1914	1.566	ug/l #	29
16) Acetone	2.43	43	5559	Below Cal		97
17) Carbon Disulfide	2.57	76	282	1.962	ug/l #	75
18) Methyl acetate	2.83	43	49518	16.853	ug/l #	54
25) 2-Butanone	4.68	43	946	0.484	ug/l #	51
29) Tetrahydrofuran	5.12	42	375	0.347	ug/l #	34
31) Cyclohexane	5.57	56	183631	94.292	ug/l	98
36) 1,1-Dichloropropene	5.65	75	15914	8.506	ug/l #	53
38) Carbon Tetrachloride	5.65	117	21905	9.414	ug/l #	16
39) Methylcyclohexane	7.46	83	185894	102.206	ug/l	96
43) Isopropyl Acetate	6.45	43	2998	0.582	ug/l #	63
44) Trichloroethene	7.21	130	832	0.532	ug/l	62
45) 1,2-Dichloropropane	7.46	63	2464	1.348	ug/l #	1
48) Methyl methacrylate	7.73	41	11041	4.544	ug/l #	55
49) 1,4-Dioxane	7.82	88	20	0.338	ug/l #	1
51) 4-Methyl-2-Pentanone	8.67	43	3043	0.900	ug/l #	38
55) 1,1,2-Trichloroethane	9.26	97	758	0.384	ug/l #	25
56) Ethyl methacrylate	9.16	69	2801	0.907	ug/l #	1
67) Ethyl Benzene	10.25	91	301437	40.560	ug/l	100
68) m/p-Xylenes	10.36	106	646168	238.960	ug/l	99
69) o-Xylene	10.70	106	1859	0.668	ug/l	93
71) Bromoform	11.12	173	162	2.969	ug/l #	29
73) Isopropylbenzene	11.01	105	356603	51.783	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.28	83	881	0.326	ug/l #	46
76) 1,2,3-Trichloropropane	11.35	75	2548	1.011	ug/l #	1
78) n-propylbenzene	11.35	91	355547	46.324	ug/l	100
79) 2-Chlorotoluene	11.43	91	153082	30.658	ug/l #	42

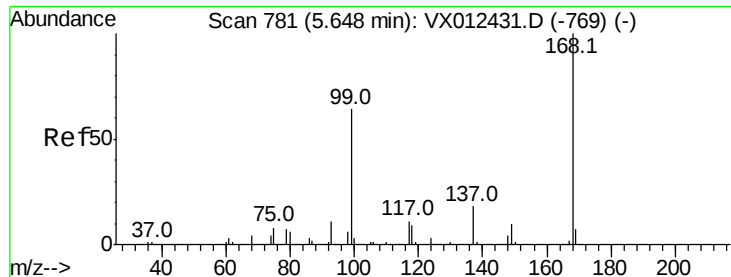
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012508.D
 Acq On : 19 Sep 2019 05:24
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Quant Time: Sep 19 06:29:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	11.50	105	514893	87.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.01	75	4604	7.799	ug/l #	68
82) 4-Chlorotoluene	11.50	91	57899	10.103	ug/l #	46
83) tert-Butylbenzene	11.81	119	183250	29.118	ug/l #	56
84) 1,2,4-Trimethylbenzene	11.81	105	1517296	251.613	ug/l	99
85) sec-Butylbenzene	11.81	105	1517296	218.798	ug/l #	57
86) p-Isopropyltoluene	12.06	119	27055	4.249	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	635	0.201	ug/l #	74
88) 1,4-Dichlorobenzene	12.09	146	1130	0.348	ug/l #	47
89) n-Butylbenzene	12.38	91	25910	4.560	ug/l #	25
90) Hexachloroethane	12.58	117	4521	3.872	ug/l #	17
91) 1,2-Dichlorobenzene	12.39	146	1458	0.442	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	12.98	75	409	0.584	ug/l #	4
95) Naphthalene	13.83	128	203218	26.853	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

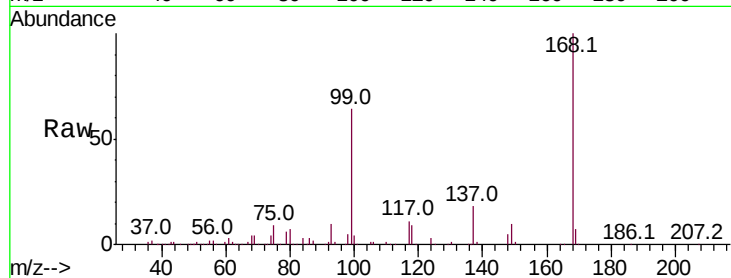
Z2-0157

Tot Ion:168 Resp: 196741

Ion Ratio Lower Upper

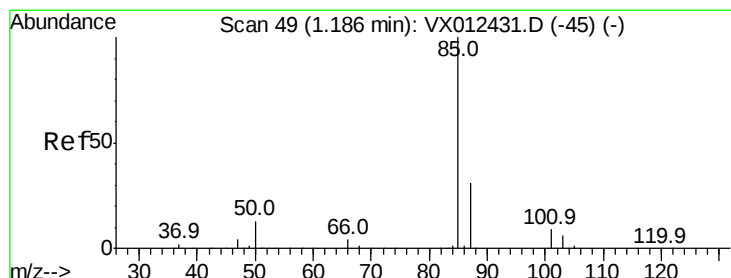
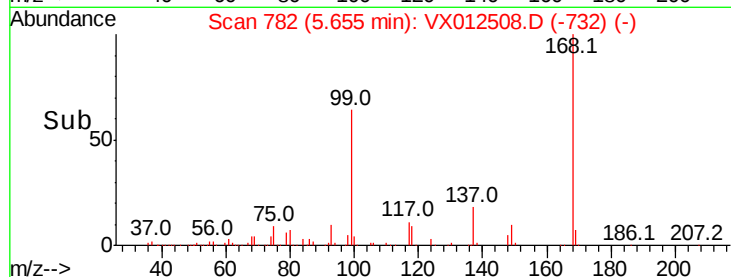
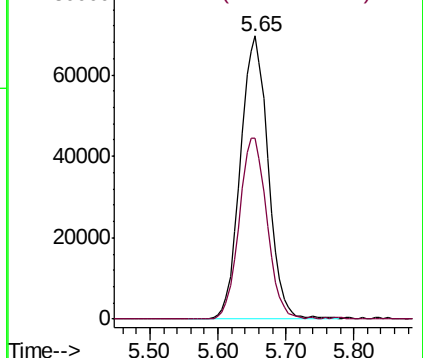
168 100

99 64.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.406 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012508.D

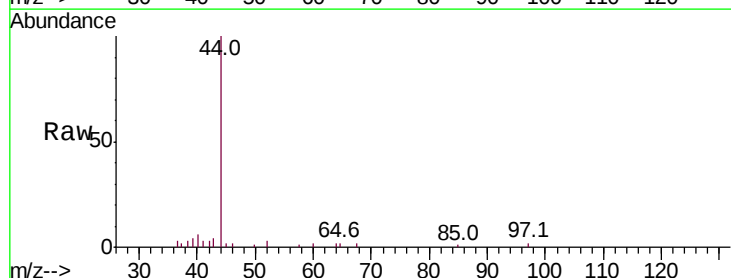
Acq: 19 Sep 2019 05:24

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

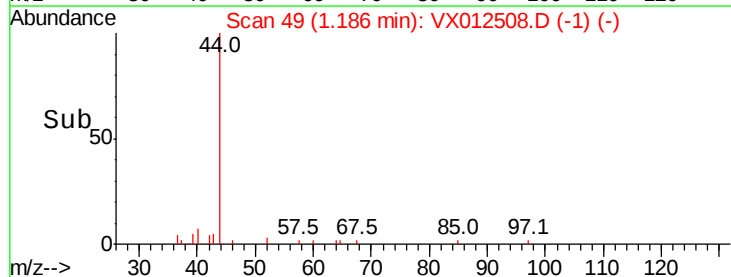
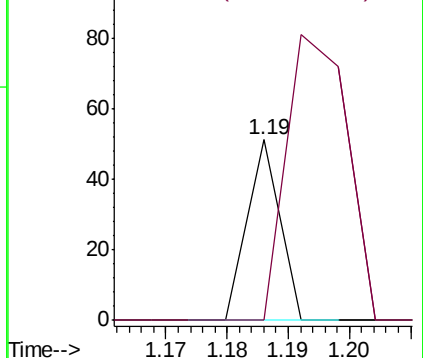
85 100

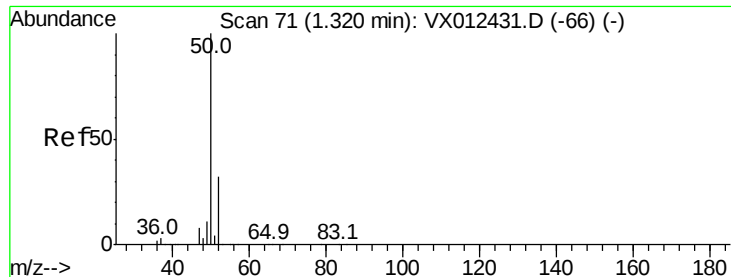
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.239 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

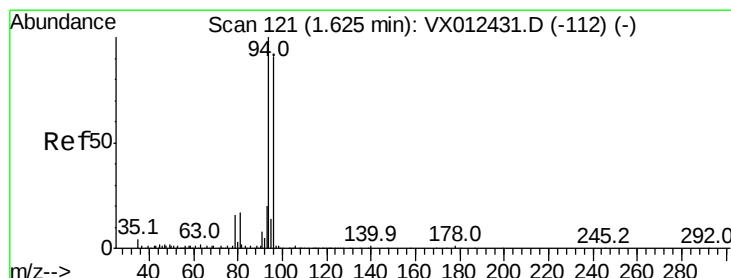
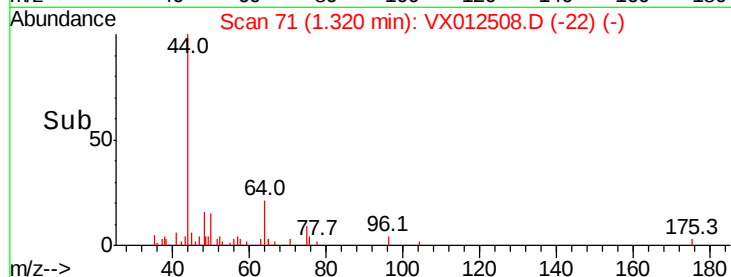
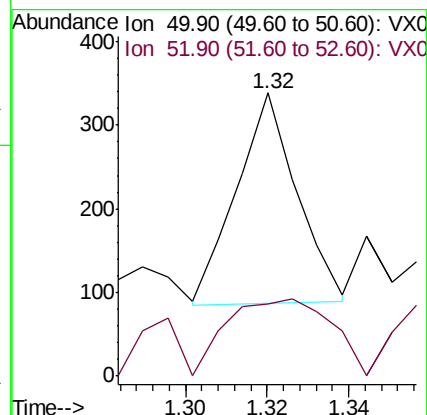
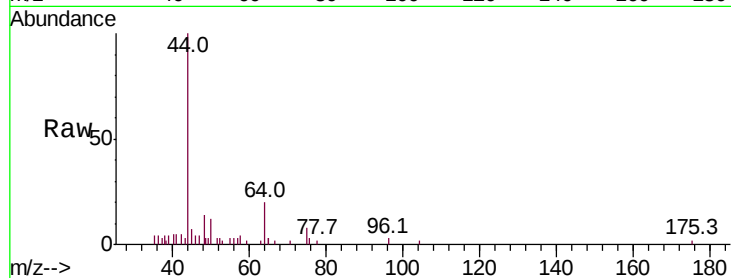
Z2-0157

Tot Ion: 50 Resp: 259

Ion Ratio Lower Upper

50 100

52 34.7 25.7 38.5



#5

Bromomethane

Concen: 1.023 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX012508.D

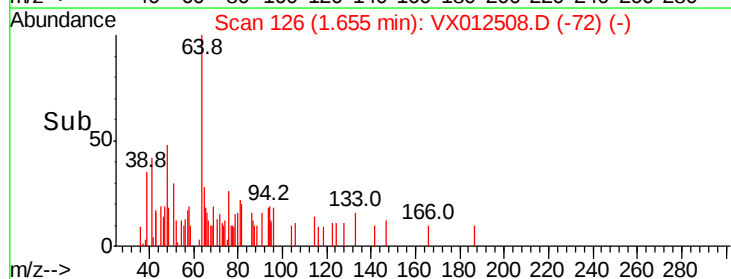
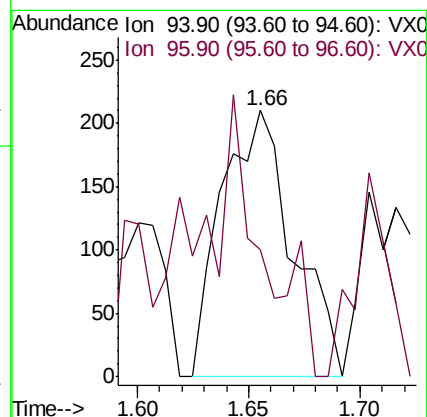
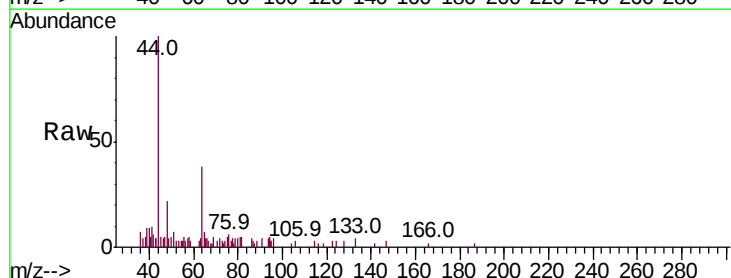
Acq: 19 Sep 2019 05:24

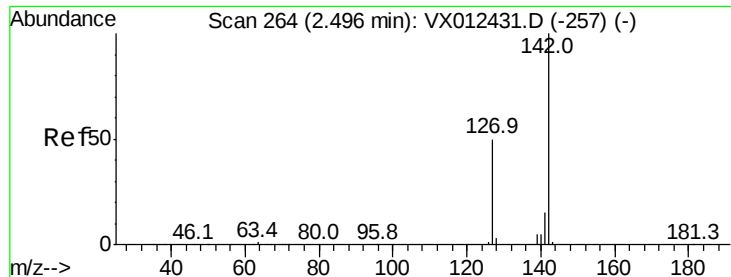
Tgt Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

96 14.8 72.8 109.2#

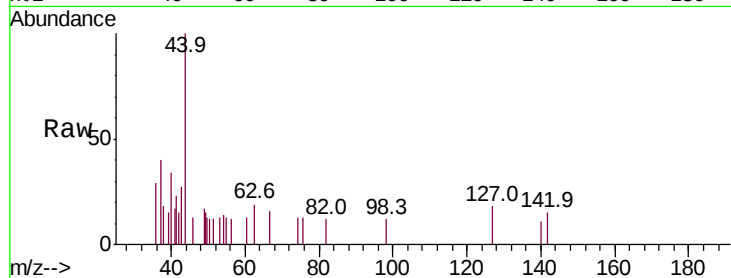




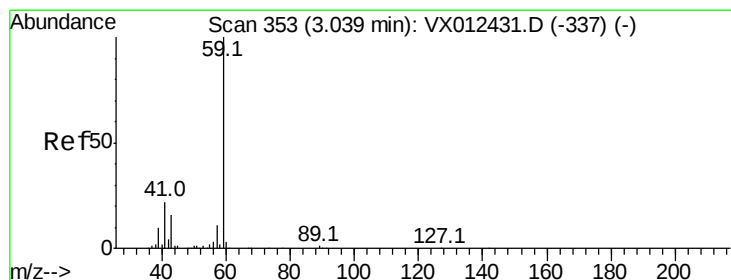
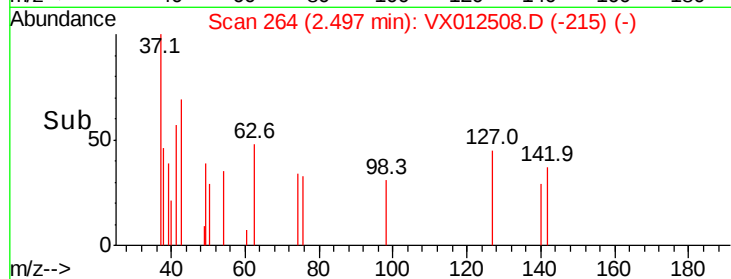
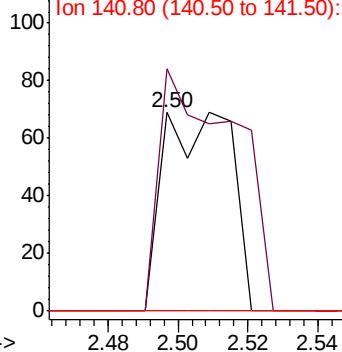
#10
Methyl Iodide
Concen: 4.506 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Instrument :
MSVOA_X
ClientSampled :
Z2-0157

Tot Ion:142 Resp: 94
Ion Ratio Lower Upper
142 100
127 135.1 40.8 61.2#
141 0.0 12.1 18.1#

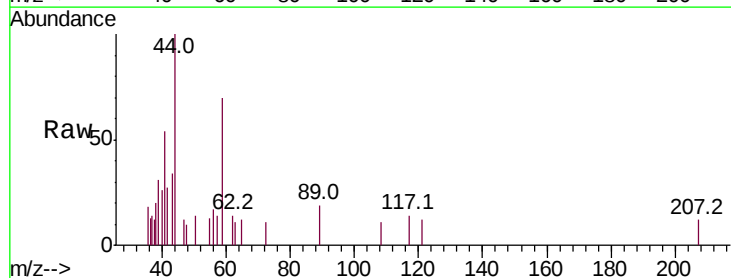


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

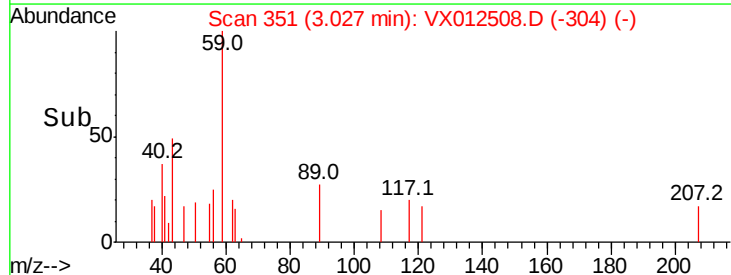
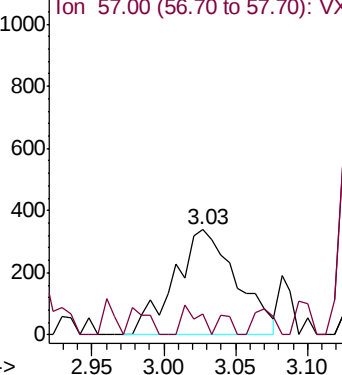


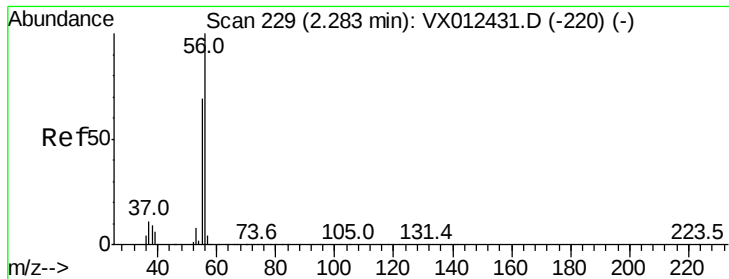
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Tgt Ion: 59 Resp: 1021
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

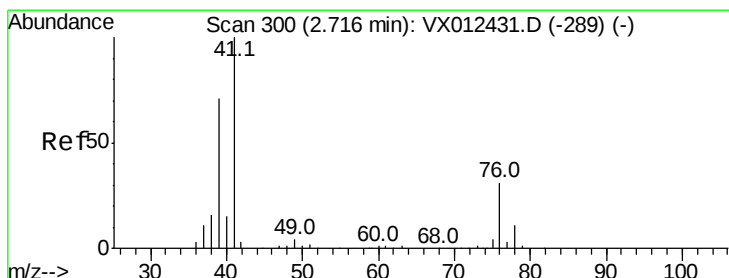
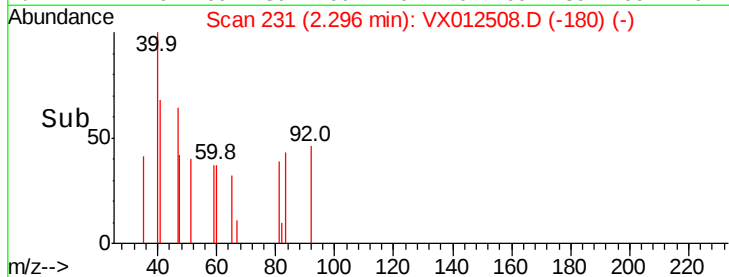
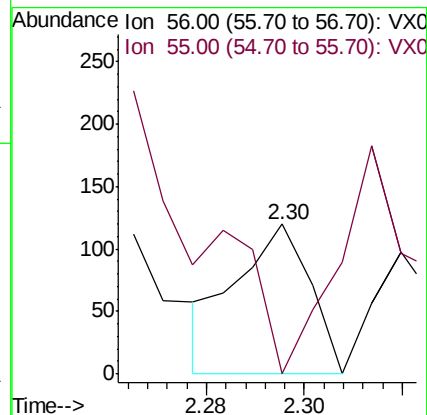
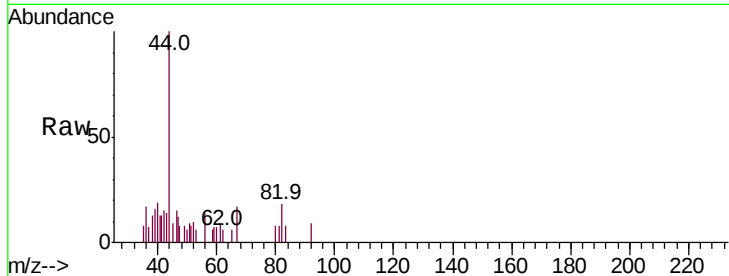
Z2-0157

Tot Ion: 56 Resp: 125

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#14

Allyl chloride

Concen: 6.581 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.12 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

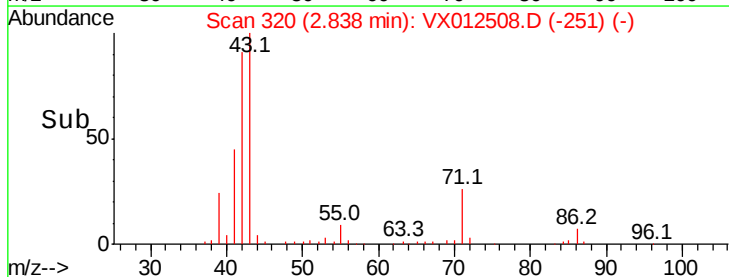
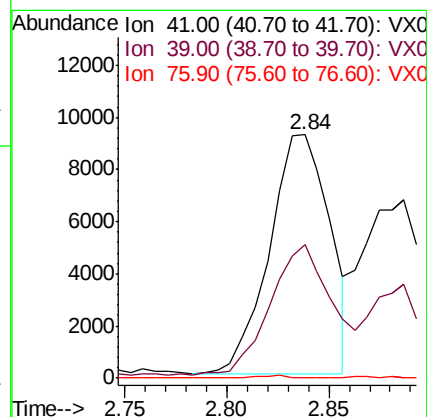
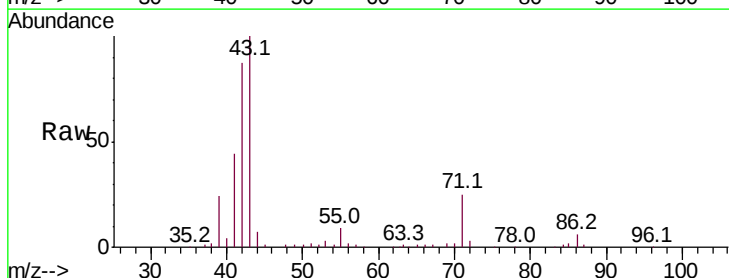
Tgt Ion: 41 Resp: 18952

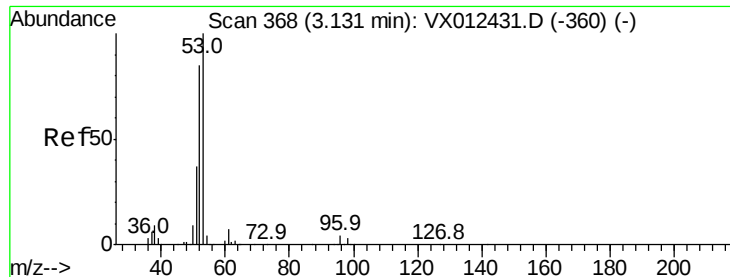
Ion Ratio Lower Upper

41 100

39 56.2 51.3 76.9

76 0.5 22.6 33.8#





#15

Acrylonitrile

Concen: 1.566 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.03 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157

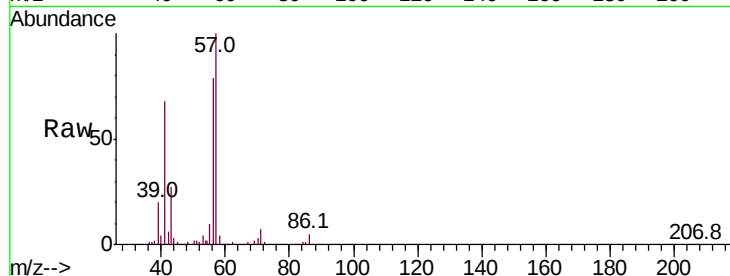
Tot Ion: 53 Resp: 1914

Ion Ratio Lower Upper

53 100

52 18.6 67.0 100.4#

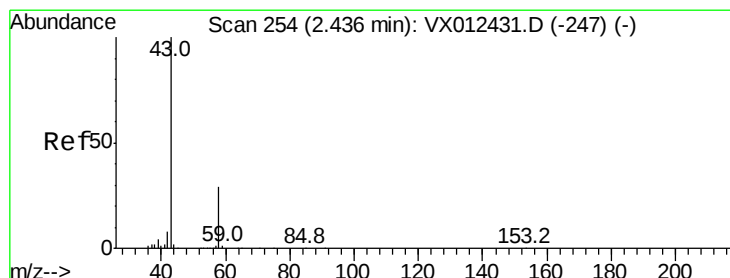
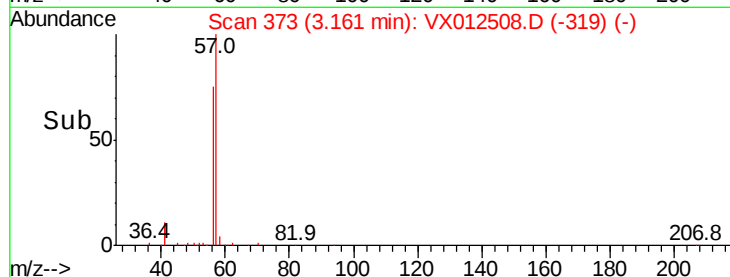
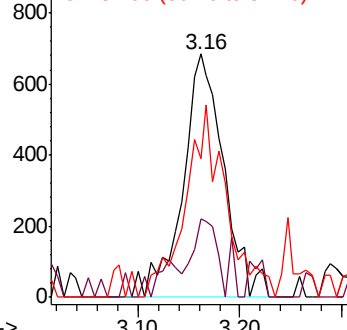
51 78.1 29.6 44.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012508.D

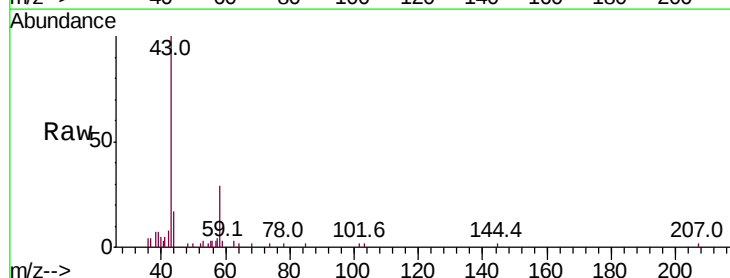
Acq: 19 Sep 2019 05:24

Tgt Ion: 43 Resp: 5559

Ion Ratio Lower Upper

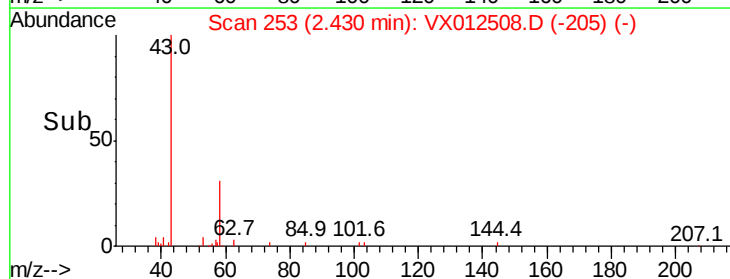
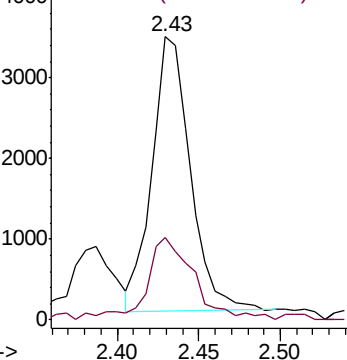
43 100

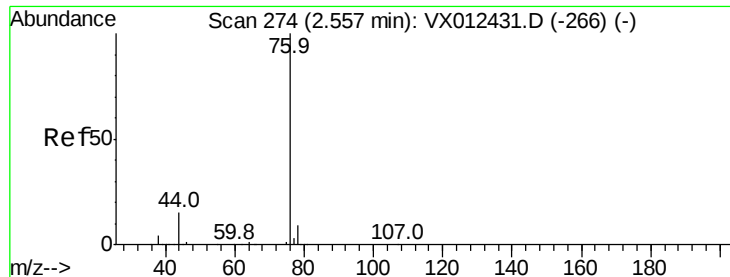
58 30.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.962 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

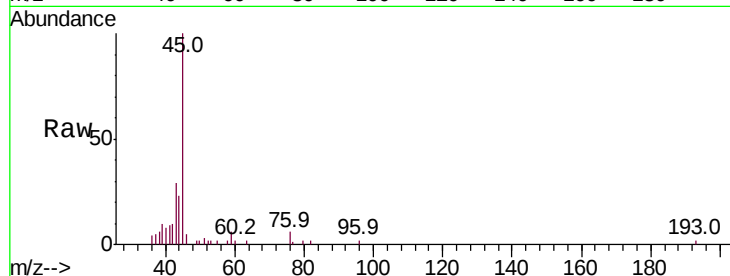
Z2-0157

Tot Ion: 76 Resp: 282

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200

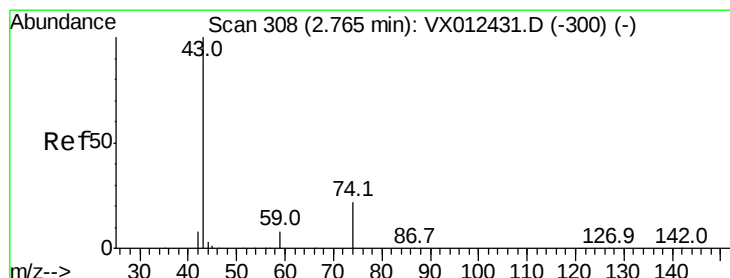
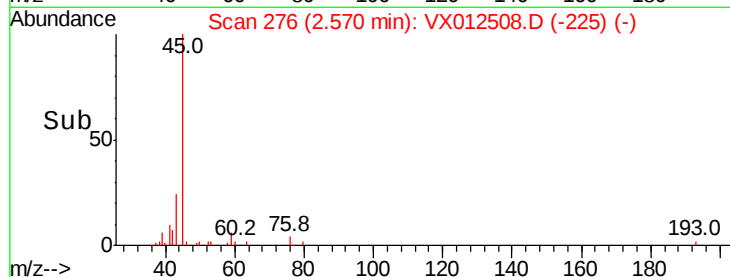
150

100

50

0

Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 16.853 ug/l

RT: 2.83 min Scan# 319

Delta R.T. 0.07 min

Lab File: VX012508.D

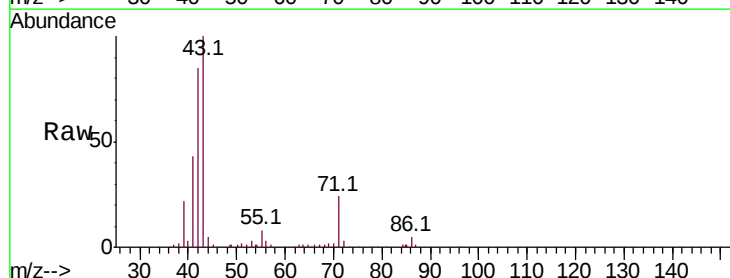
Acq: 19 Sep 2019 05:24

Tgt Ion: 43 Resp: 49518

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

25000

20000

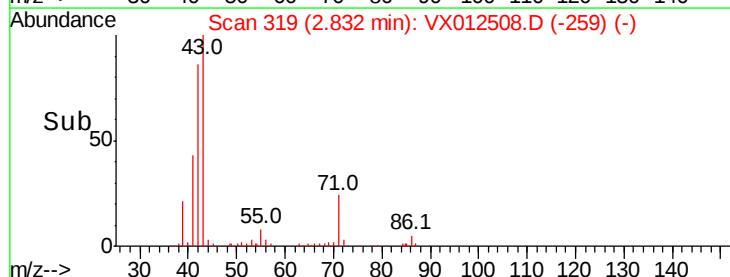
15000

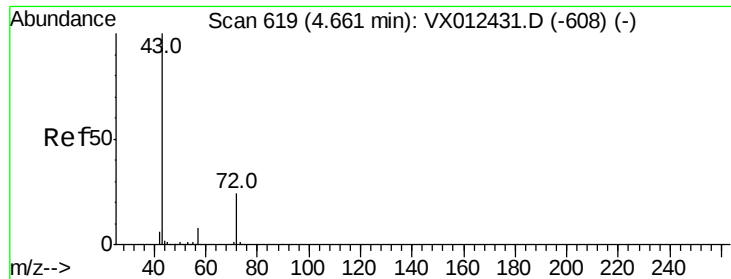
10000

5000

0

Time--> 2.75 2.80 2.85





#25

2-Butanone

Concen: 0.484 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

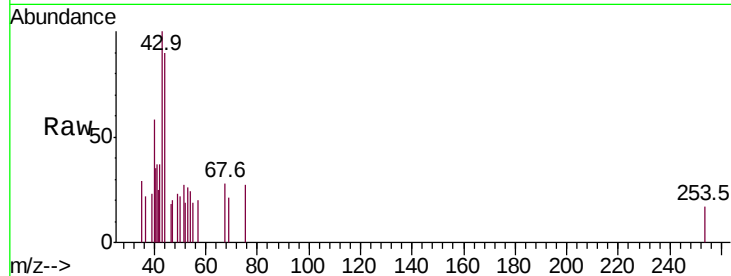
Z2-0157

Tot Ion: 43 Resp: 946

Ion Ratio Lower Upper

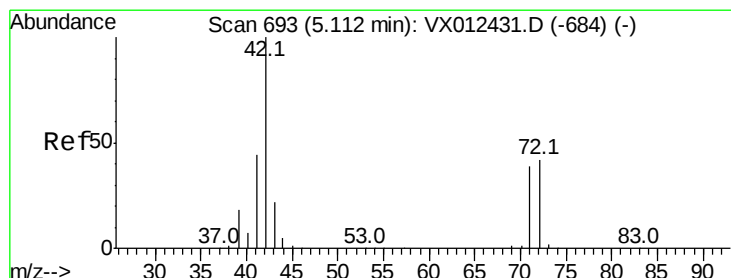
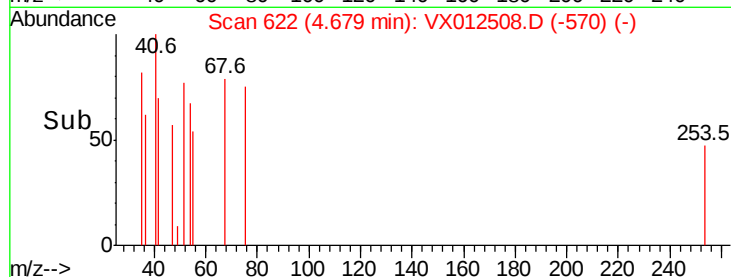
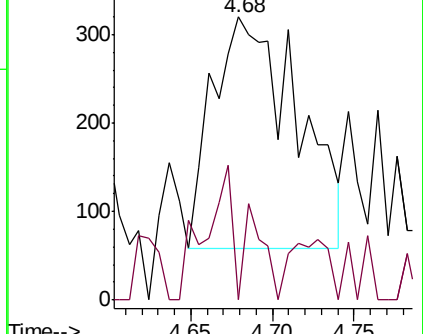
43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.347 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

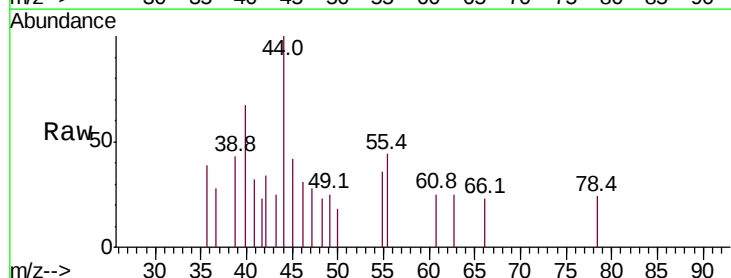
Tgt Ion: 42 Resp: 375

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

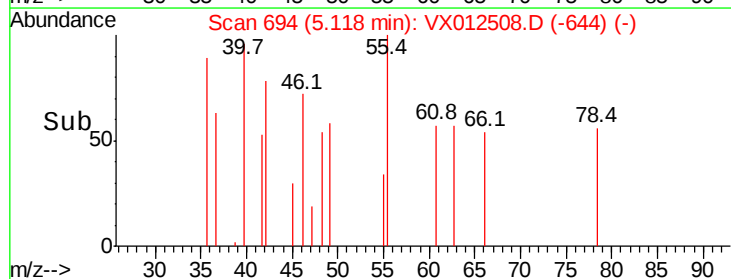
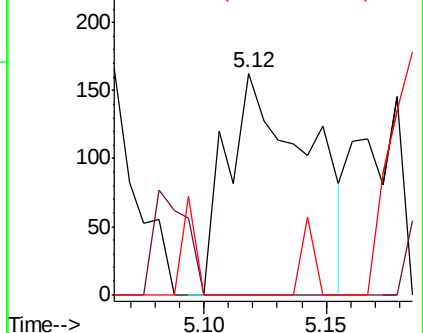
71 0.0 31.5 47.3#

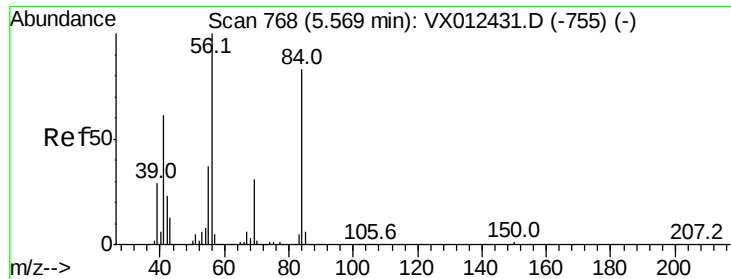


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

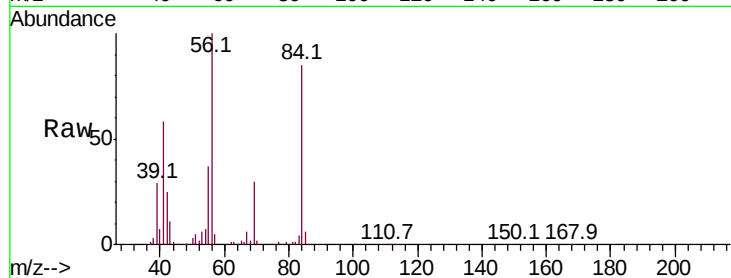




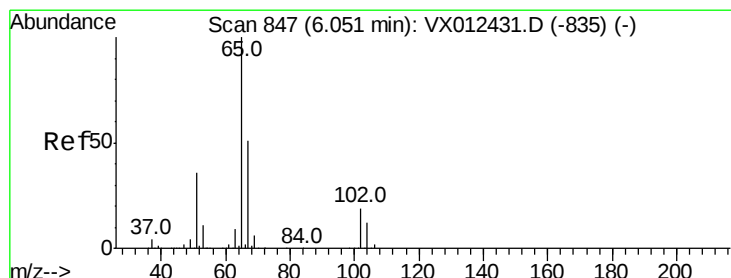
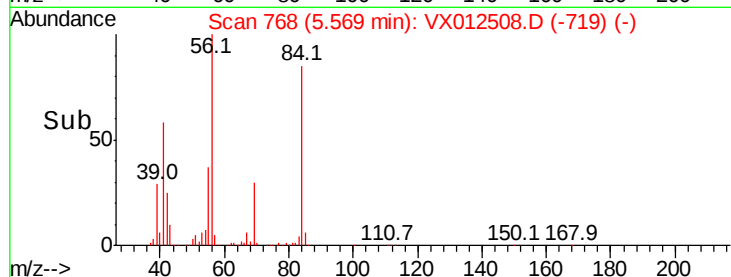
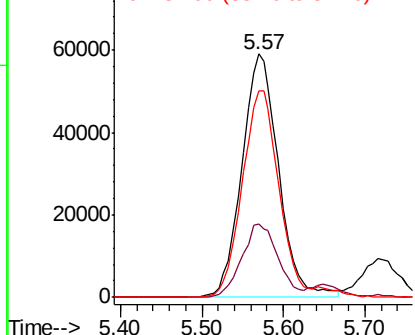
#31
Cyclohexane
Concen: 94.292 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157

Tot Ion: 56 Resp: 183631
Ion Ratio Lower Upper
56 100
69 30.0 25.0 37.6
84 85.1 66.4 99.6

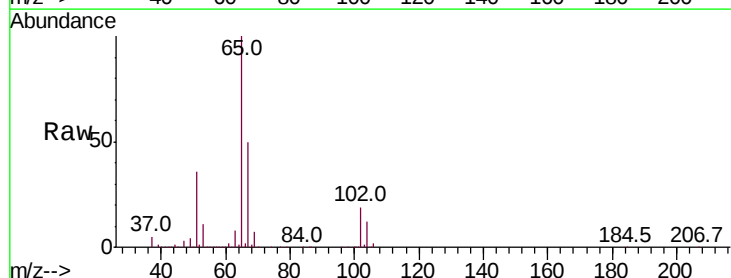


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

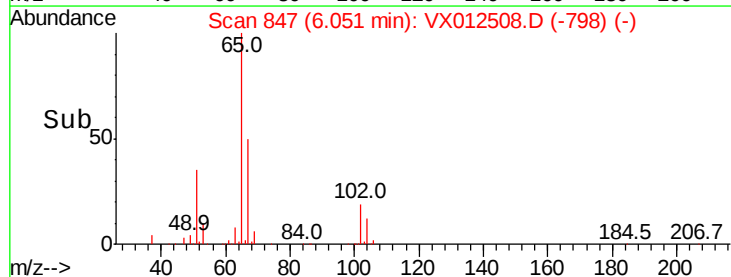
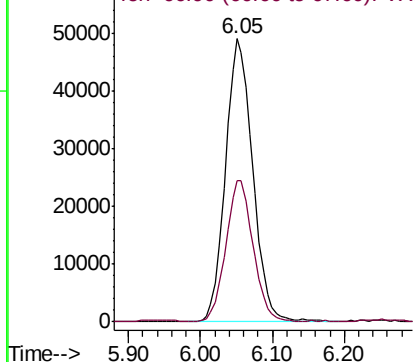


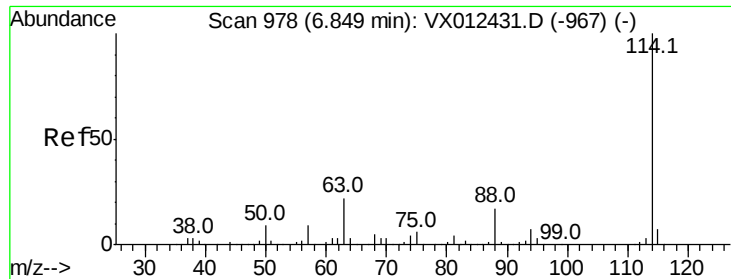
#33
1,2-Dichloroethane-d4
Concen: 45.751 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Tgt Ion: 65 Resp: 129003
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

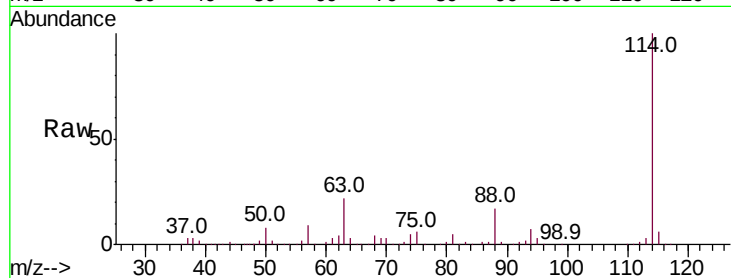




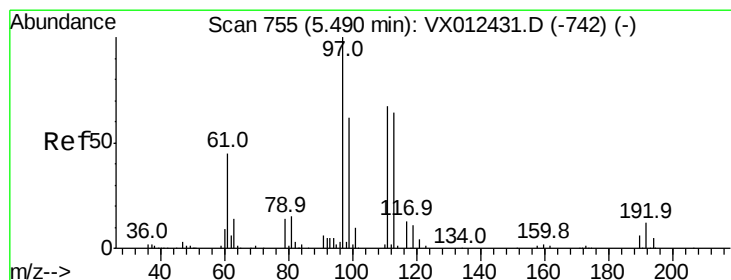
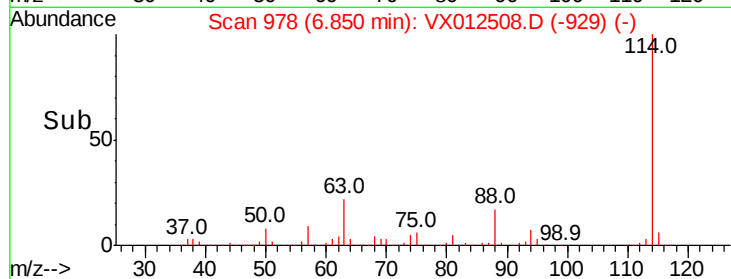
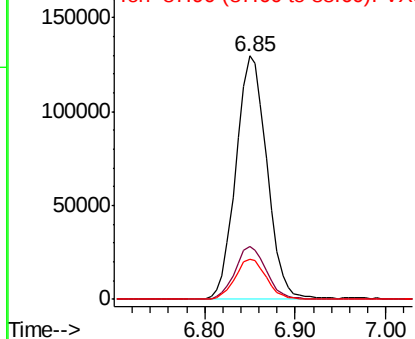
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012508.D
 Acq: 19 Sep 2019 05:24

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157

Tot Ion:114 Resp: 307847
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.6 0.0 33.2

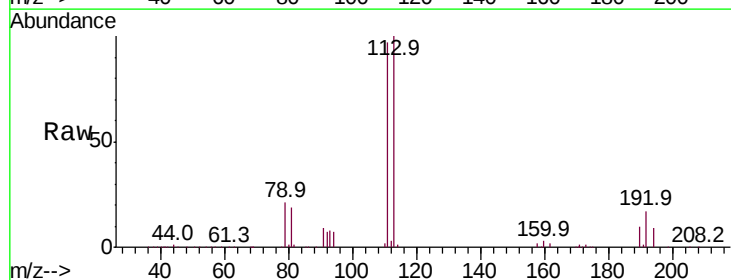


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

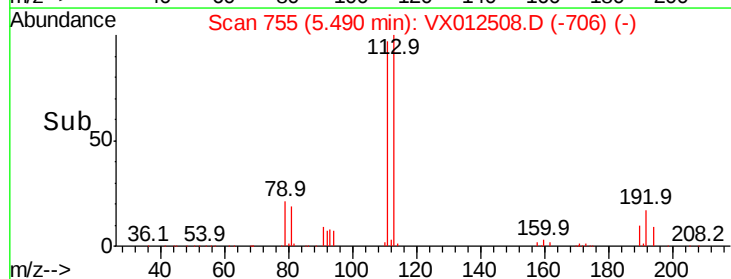
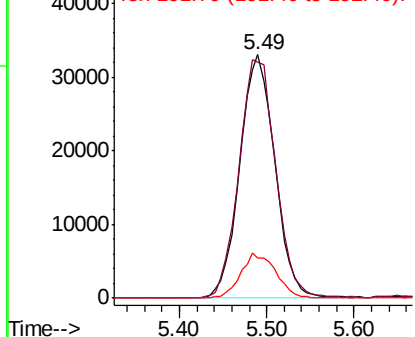


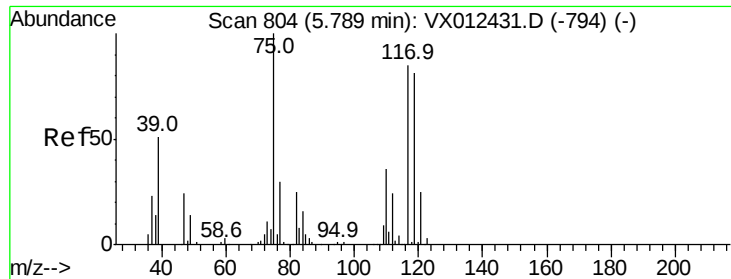
#35
 Dibromofluoromethane
 Concen: 49.542 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012508.D
 Acq: 19 Sep 2019 05:24

Tgt Ion:113 Resp: 92310
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.2
 192 18.6 14.4 21.6



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

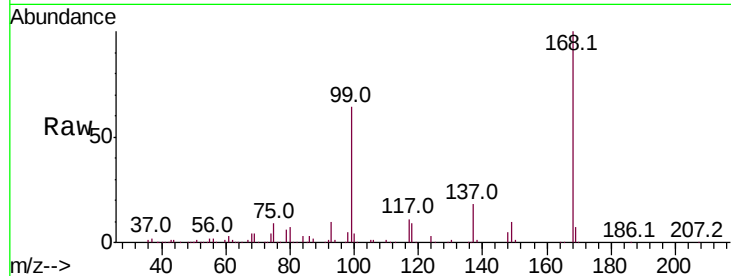




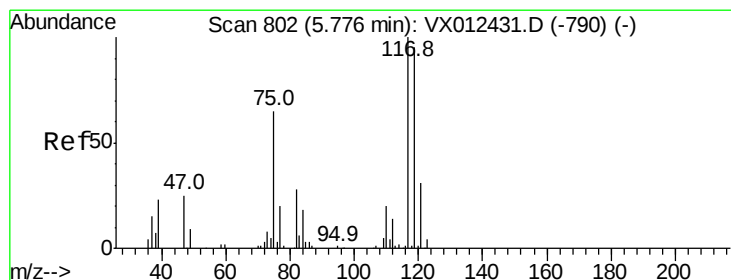
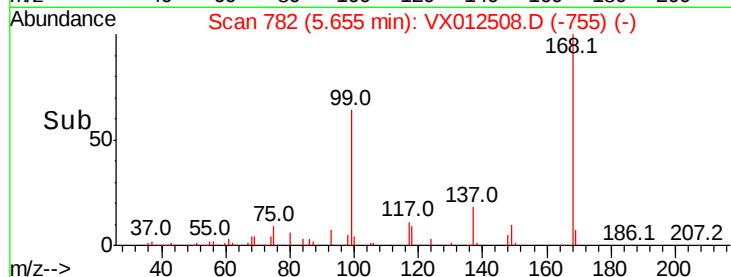
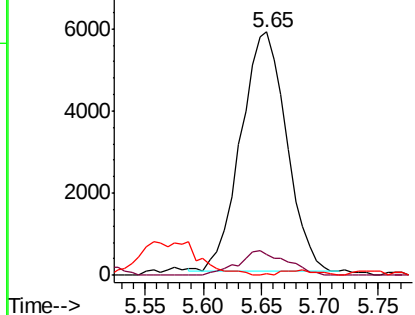
#36
 1,1-Dichloropropene
 Concen: 8.506 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012508.D
 Acq: 19 Sep 2019 05:24

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157

Tot Ion: 75 Resp: 15914
 Ion Ratio Lower Upper
 75 100
 110 11.0 16.7 50.0#
 77 0.0 24.2 36.2#

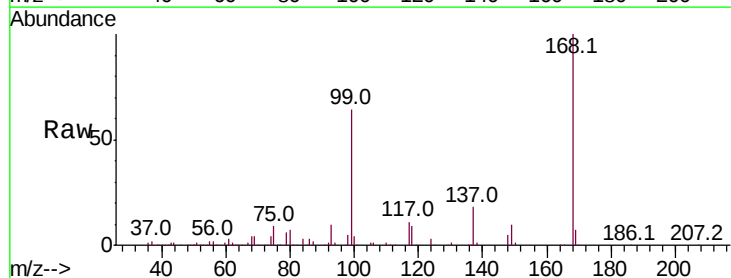


Abundance Ion 74.90 (74.60 to 75.60): VX0
 8000 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

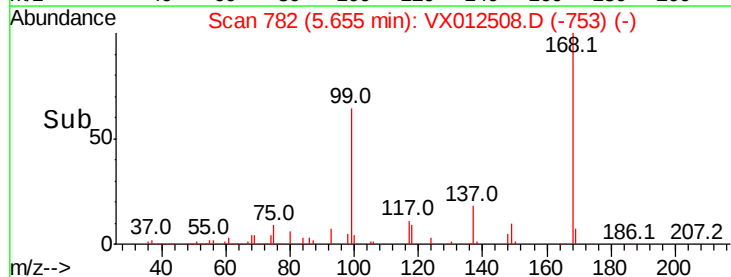
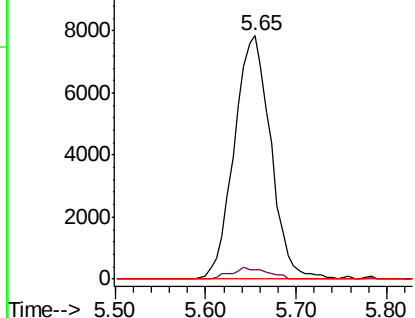


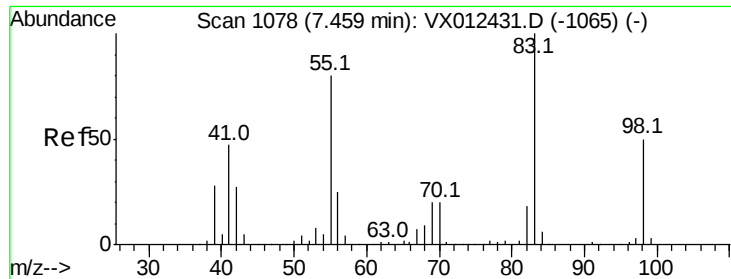
#38
 Carbon Tetrachloride
 Concen: 9.414 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012508.D
 Acq: 19 Sep 2019 05:24

Tgt Ion: 117 Resp: 21905
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.7 113.5#
 121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V
 10000 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 102.206 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

Z2-0157

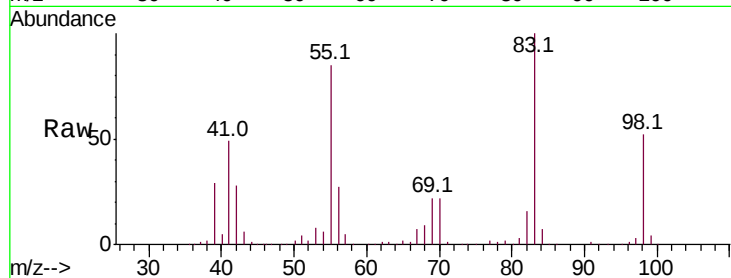
Tot Ion: 83 Resp: 185894

Ion Ratio Lower Upper

83 100

55 84.8 64.4 96.6

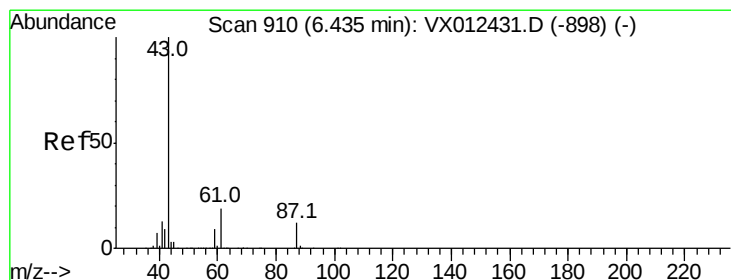
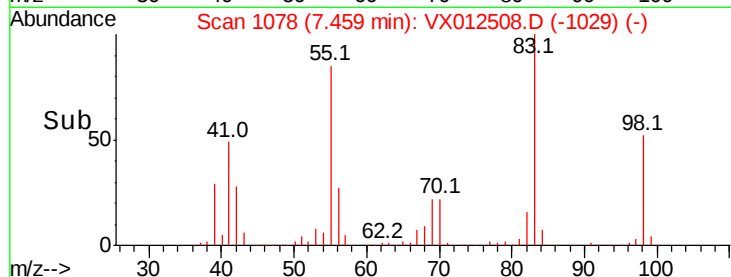
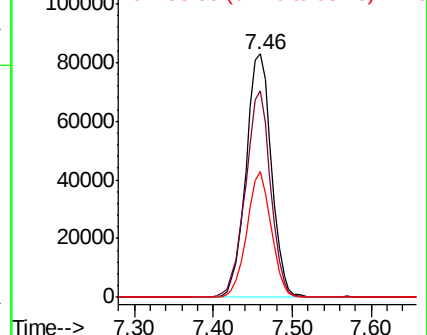
98 51.7 40.1 60.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#43

Isopropyl Acetate

Concen: 0.582 ug/l

RT: 6.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

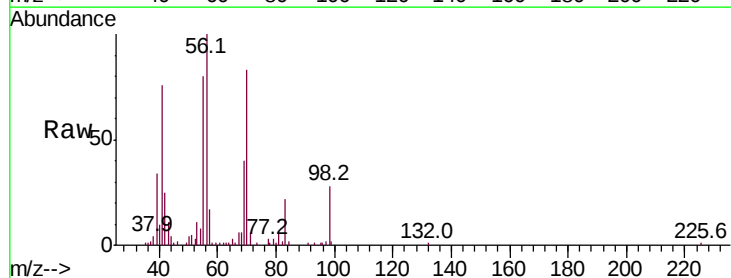
Tgt Ion: 43 Resp: 2998

Ion Ratio Lower Upper

43 100

61 0.9 15.4 23.0#

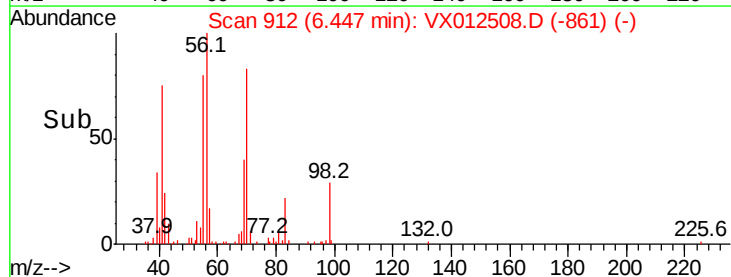
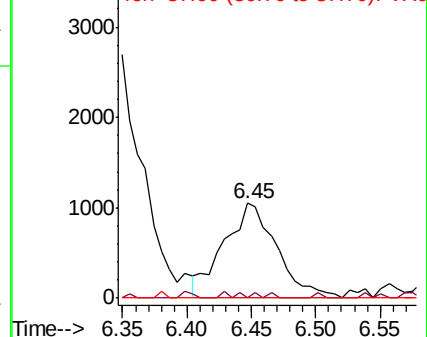
87 0.0 9.8 14.8#

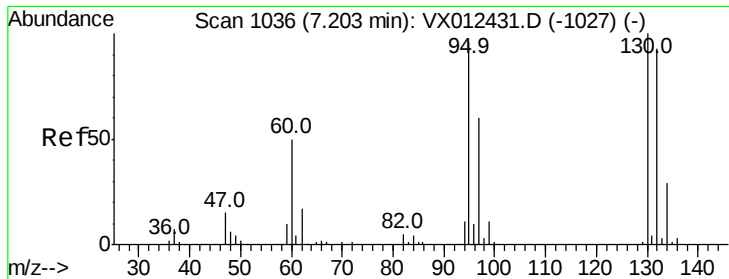


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 0.532 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

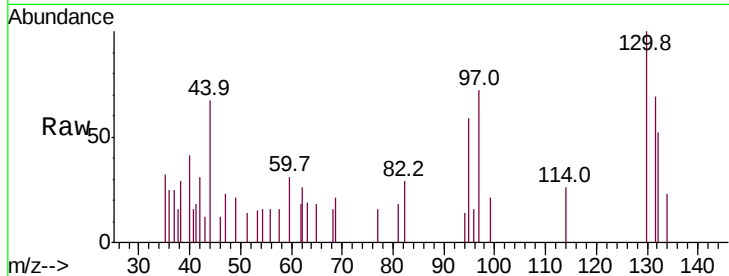
Z2-0157

Tot Ion:130 Resp: 832

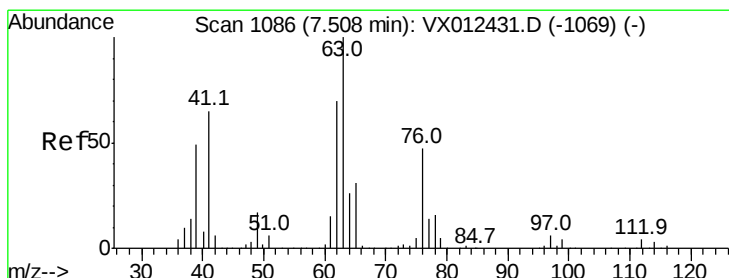
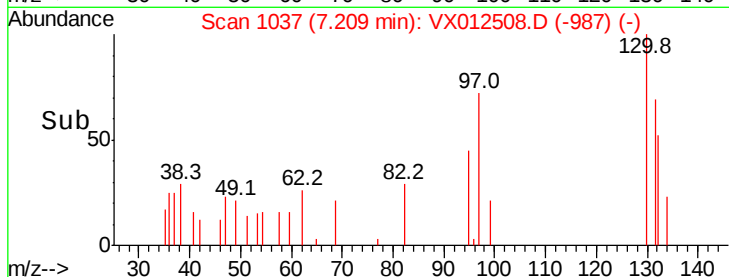
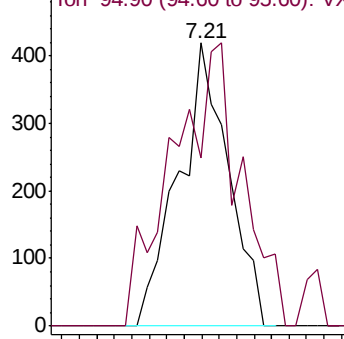
Ion Ratio Lower Upper

130 100

95 59.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V



#45

1,2-Dichloropropane

Concen: 1.348 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX012508.D

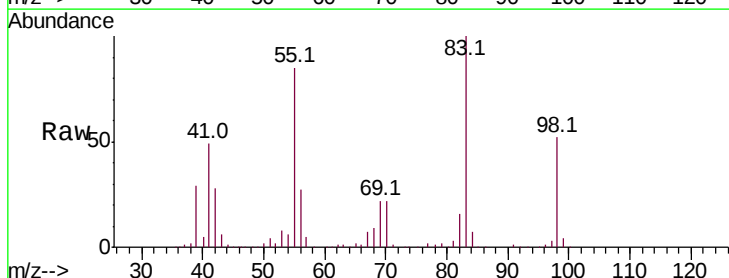
Acq: 19 Sep 2019 05:24

Tgt Ion: 63 Resp: 2464

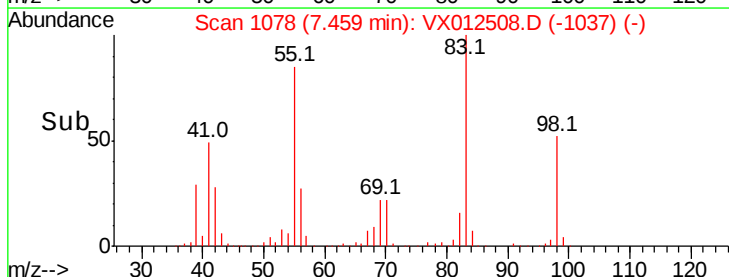
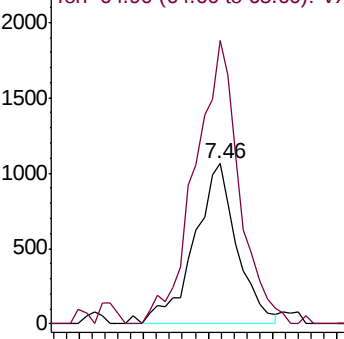
Ion Ratio Lower Upper

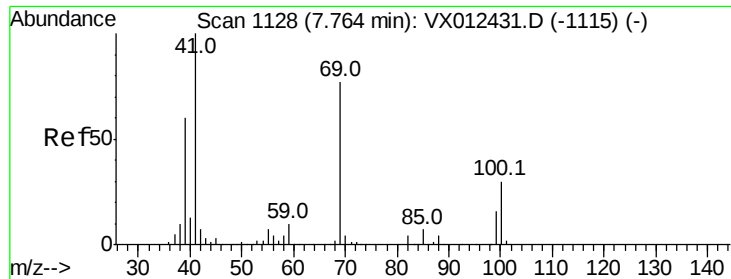
63 100

65 176.6 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

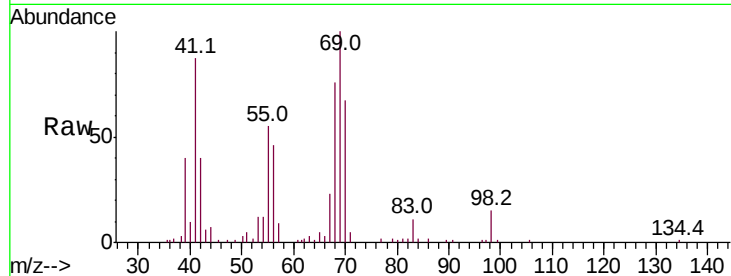




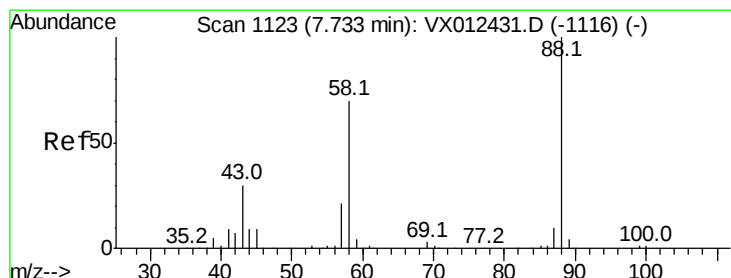
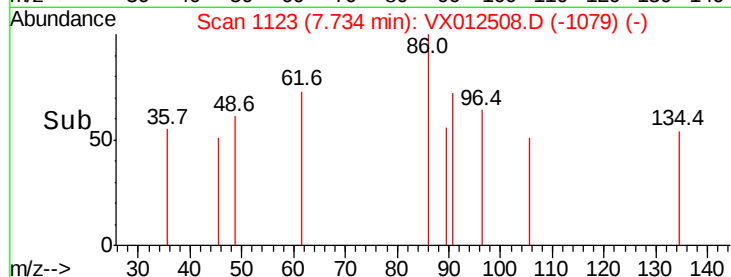
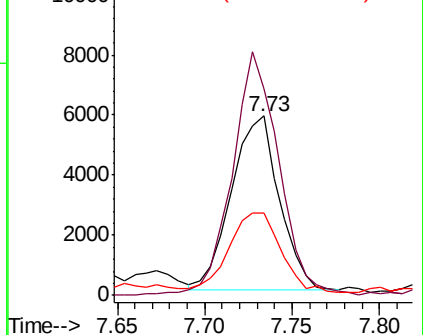
#48
Methvl methacrylate
Concen: 4.544 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.03 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157

Tot Ion: 41 Resp: 11041
Ion Ratio Lower Upper
41 100
69 136.3 59.9 89.9#
39 50.7 47.8 71.6

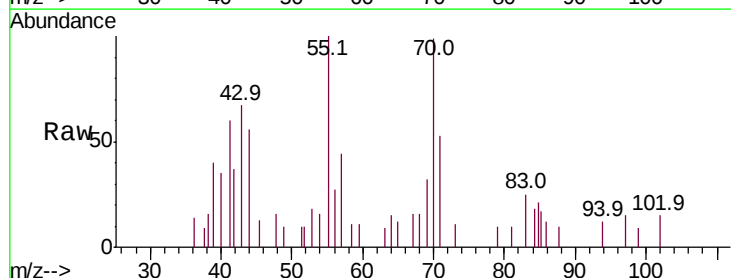


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

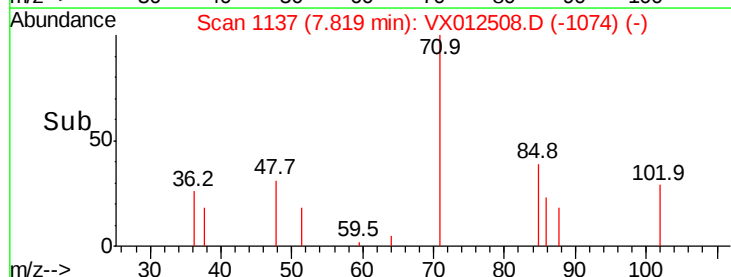
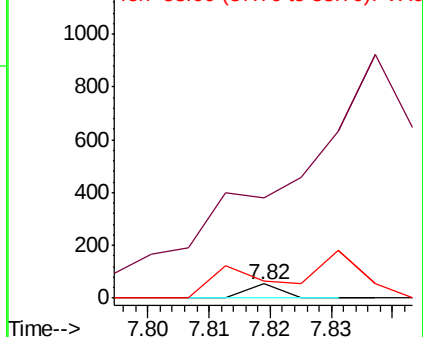


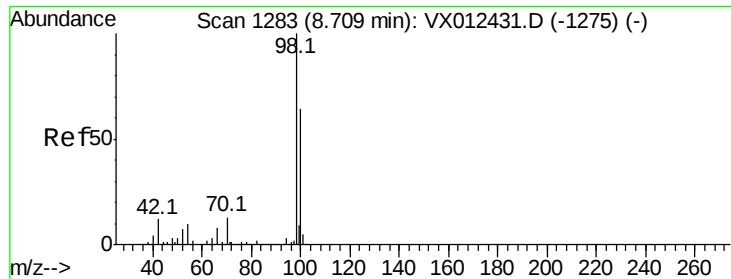
#49
1,4-Dioxane
Concen: 0.338 ug/l
RT: 7.82 min Scan# 1137
Delta R.T. 0.09 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 8070.0 29.4 44.0#
58 875.0 57.5 86.3#



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: 52.337 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

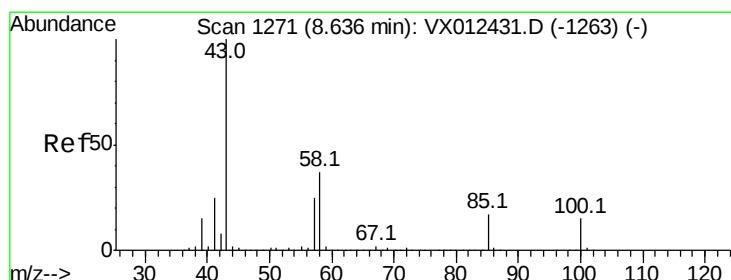
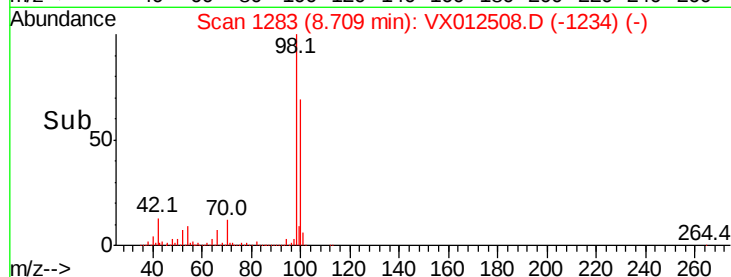
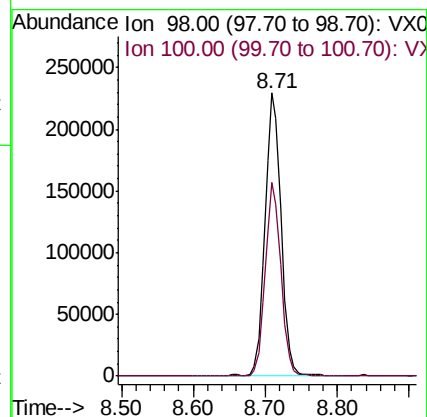
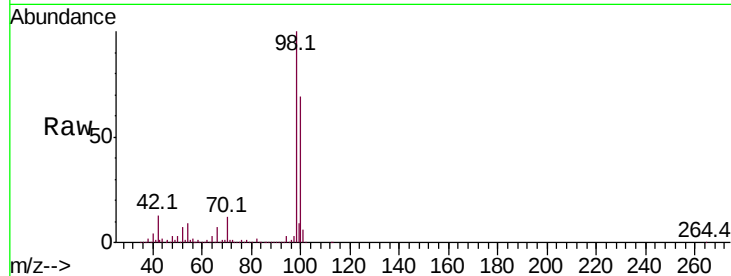
Z2-0157

Tot Ion: 98 Resp: 360955

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 0.900 ug/l

RT: 8.67 min Scan# 1276

Delta R.T. 0.03 min

Lab File: VX012508.D

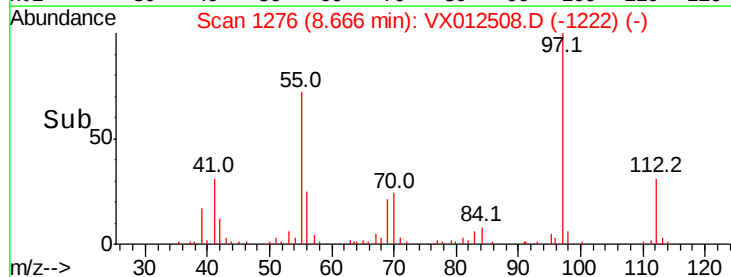
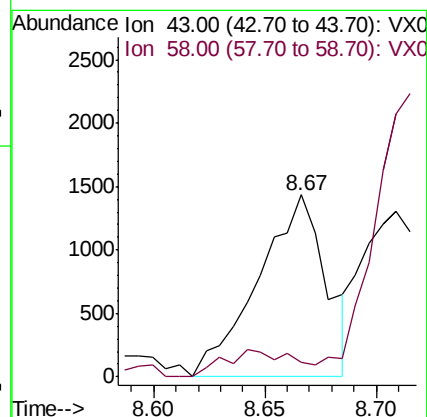
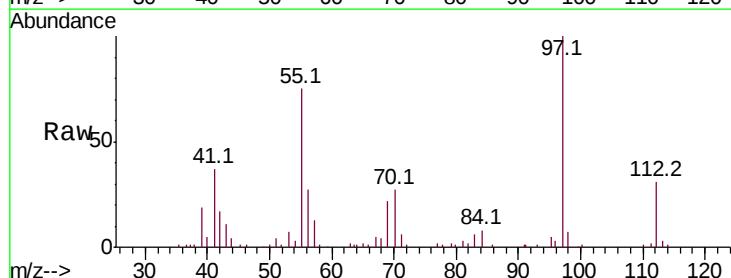
Acq: 19 Sep 2019 05:24

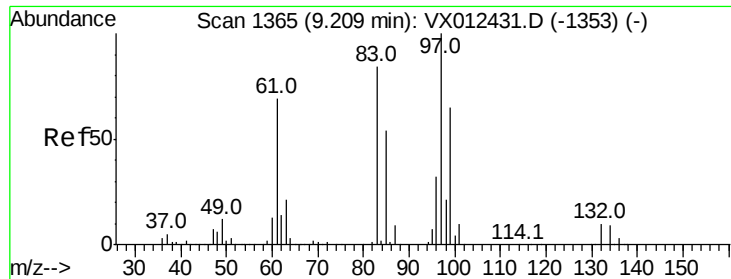
Tgt Ion: 43 Resp: 3043

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 0.384 ug/l

RT: 9.26 min Scan# 1373

Delta R.T. 0.05 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

Z2-0157

Tot Ion: 97 Resp: 758

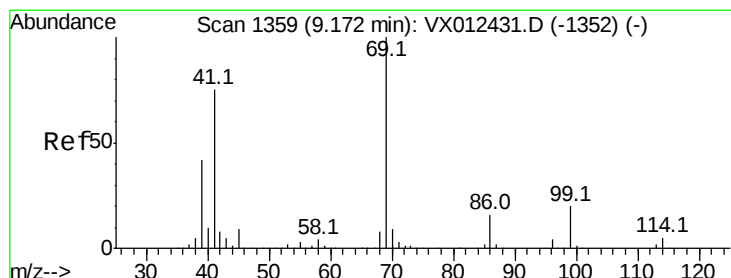
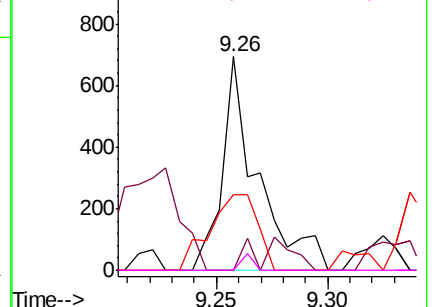
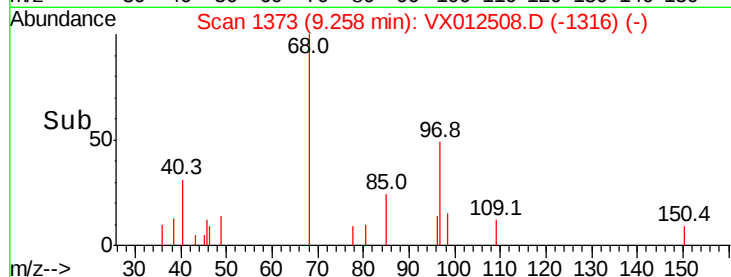
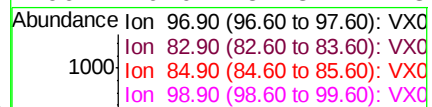
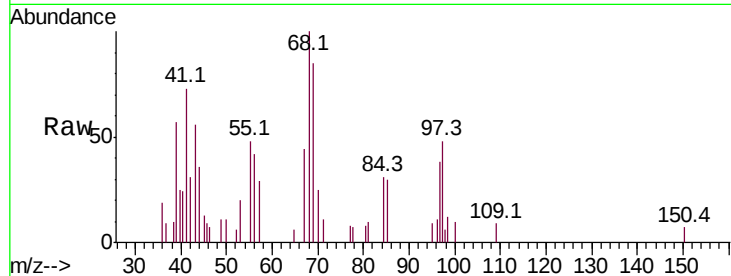
Ion Ratio Lower Upper

97 100

83 0.0 67.4 101.2#

85 26.2 43.5 65.3#

99 0.0 51.8 77.8#



#56

Ethyl methacrylate

Concen: 0.907 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

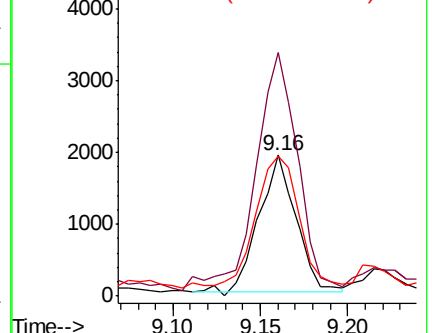
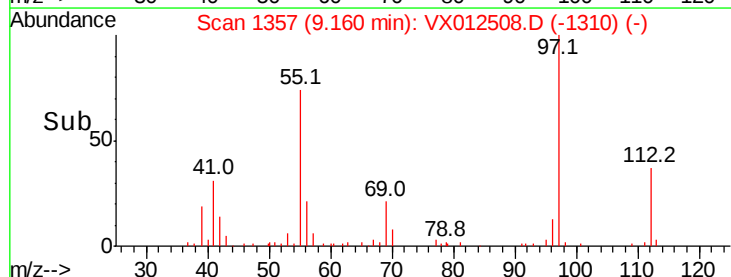
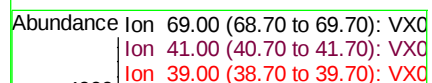
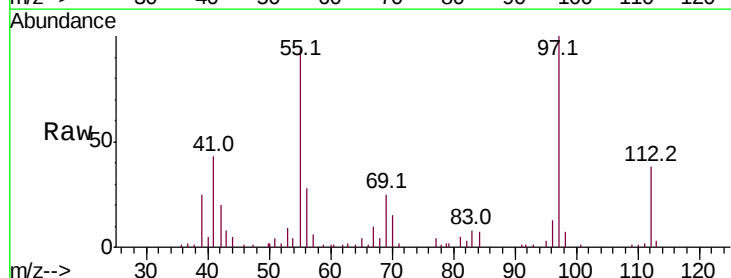
Tgt Ion: 69 Resp: 2801

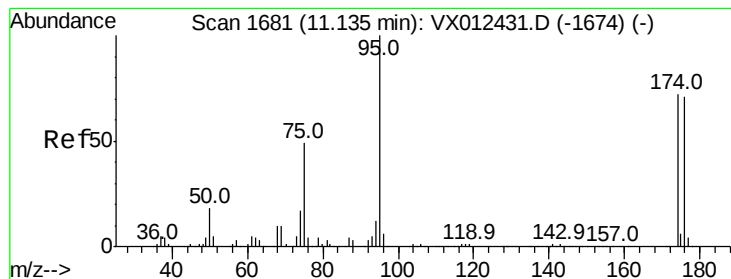
Ion Ratio Lower Upper

69 100

41 196.9 58.4 87.6#

39 116.0 33.4 50.0#





#62

4-Bromofluorobenzene

Concen: 46.533 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

Z2-0157

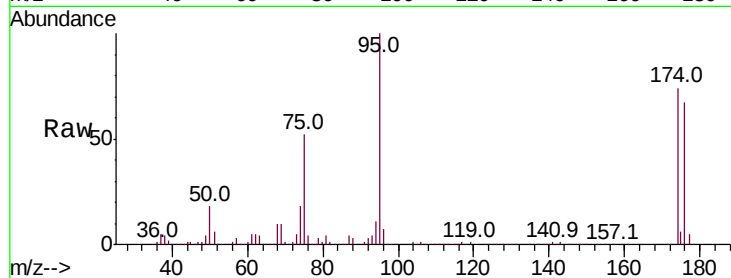
Tot Ion: 95 Resp: 133253

Ion Ratio Lower Upper

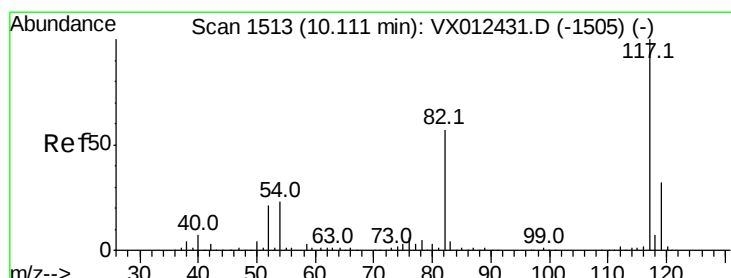
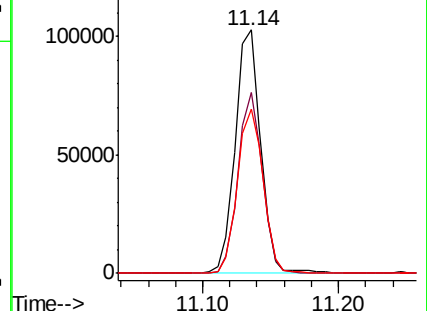
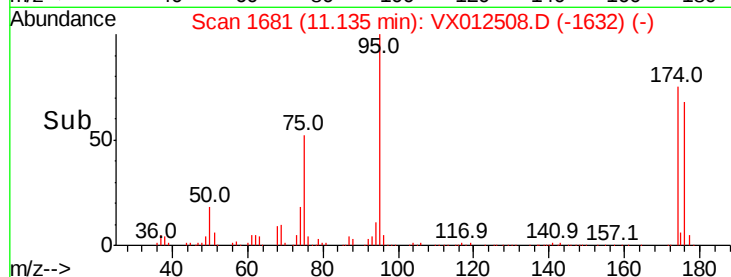
95 100

174 71.3 0.0 140.0

176 68.7 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012508.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

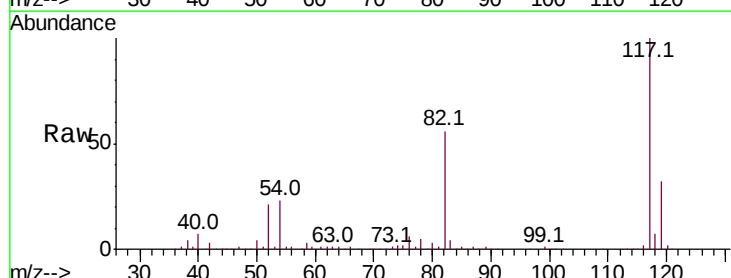
Tgt Ion: 117 Resp: 262087

Ion Ratio Lower Upper

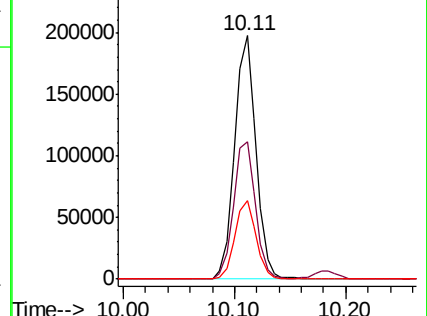
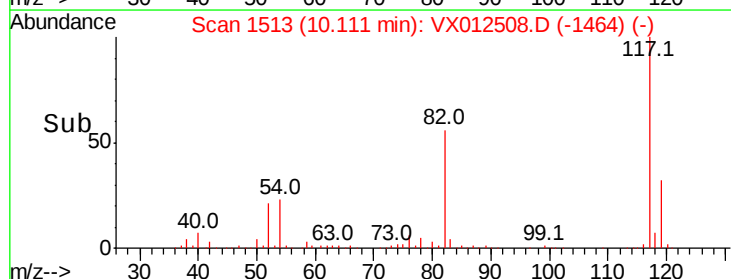
117 100

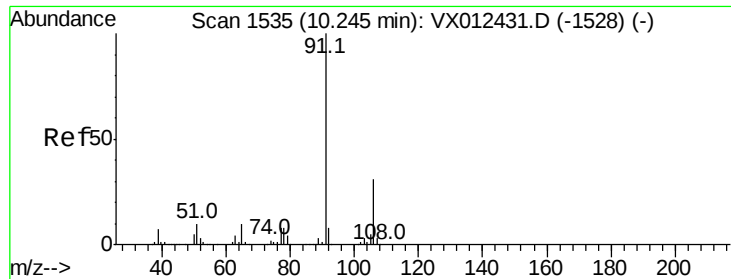
82 56.3 45.9 68.9

119 32.1 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX012508.D (-1464) (-)





#67

Ethyl Benzene

Concen: 40.560 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

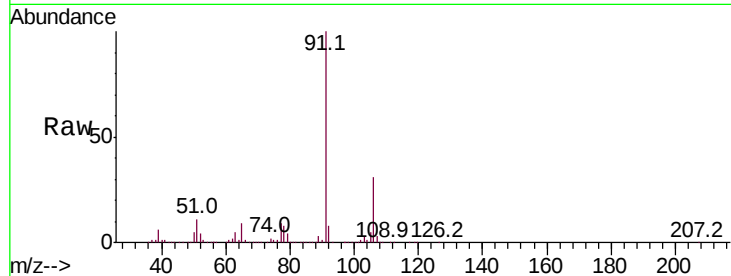
Z2-0157

Tot Ion: 91 Resp: 301437

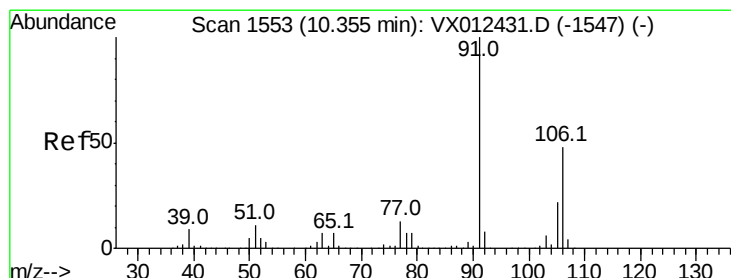
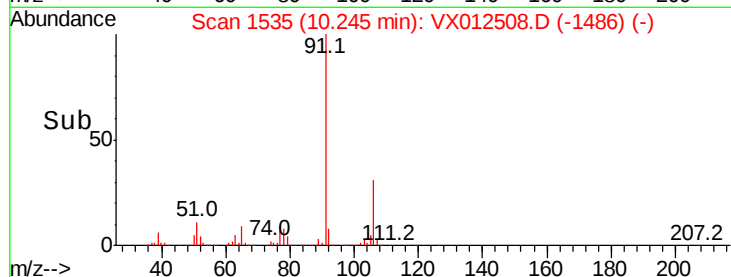
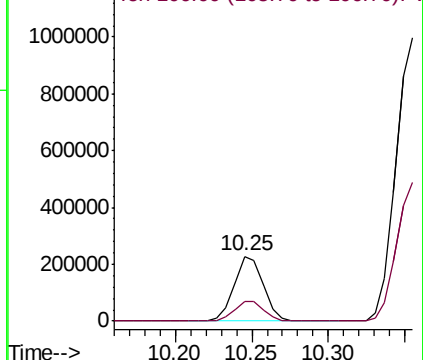
Ion Ratio Lower Upper

91 100

106 30.7 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1528) (-)



#68

m/p-Xylenes

Concen: 238.960 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012508.D

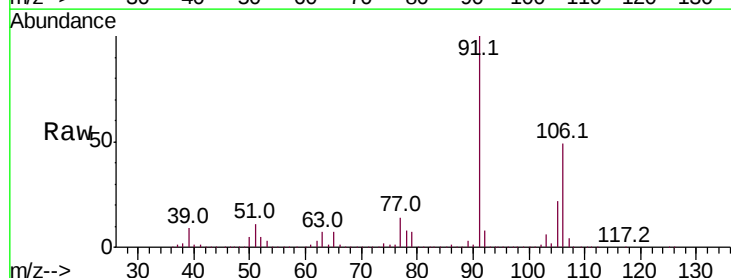
Acq: 19 Sep 2019 05:24

Tgt Ion: 106 Resp: 646168

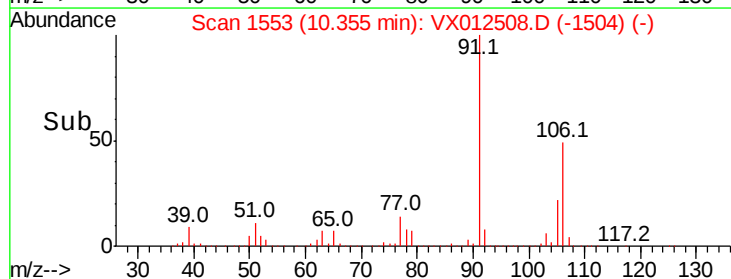
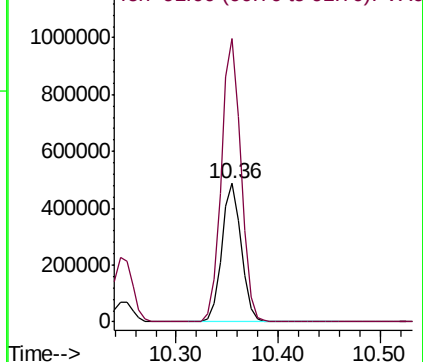
Ion Ratio Lower Upper

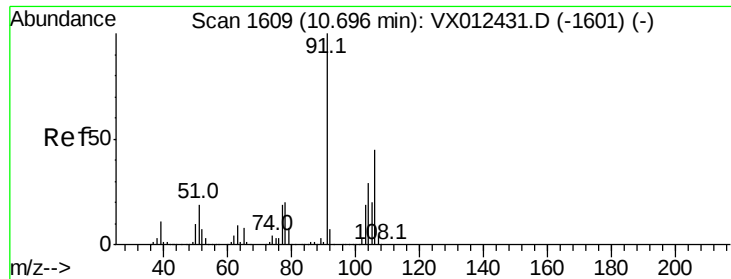
106 100

91 206.9 166.6 250.0



Abundance Ion 106.00 (105.70 to 106.70): VX012431.D (-1547) (-)





#69

o-Xylene

Concen: 0.668 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

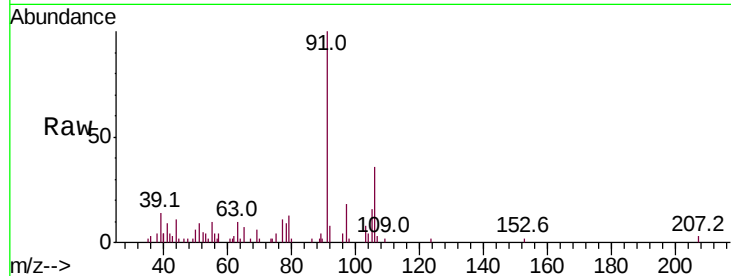
Z2-0157

Tot Ion:106 Resp: 1859

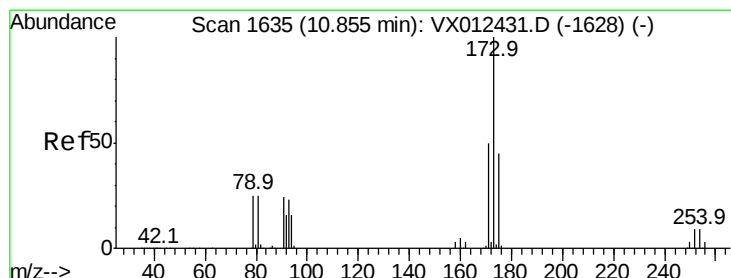
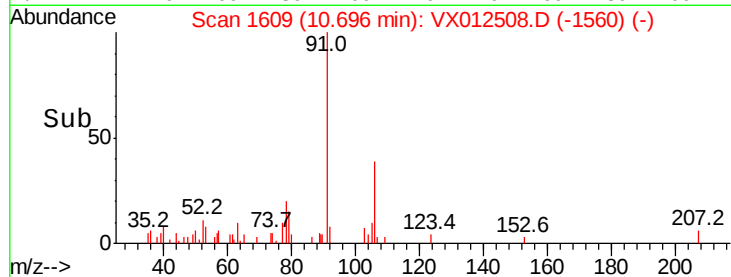
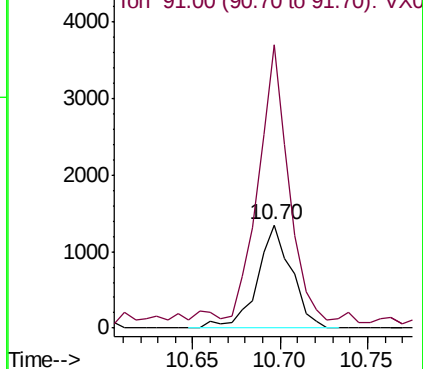
Ion Ratio Lower Upper

106 100

91 229.4 109.4 328.2



Abundance Ion 106.00 (105.70 to 106.70): V



#71

Bromoform

Concen: 2.969 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

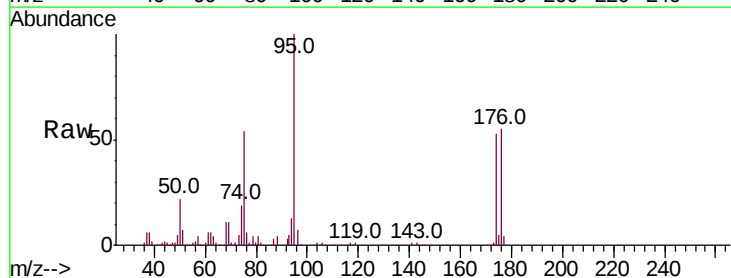
Tgt Ion:173 Resp: 162

Ion Ratio Lower Upper

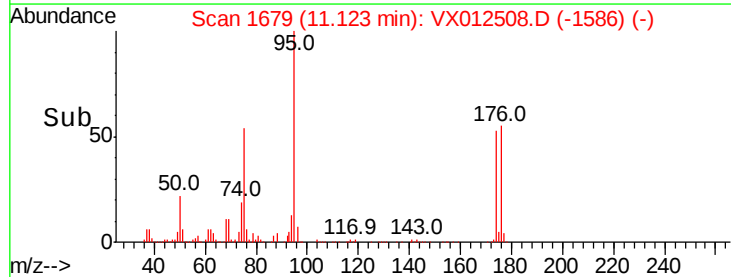
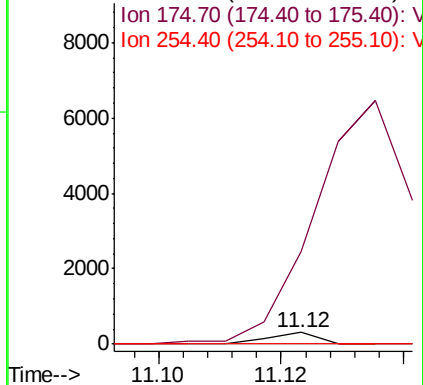
173 100

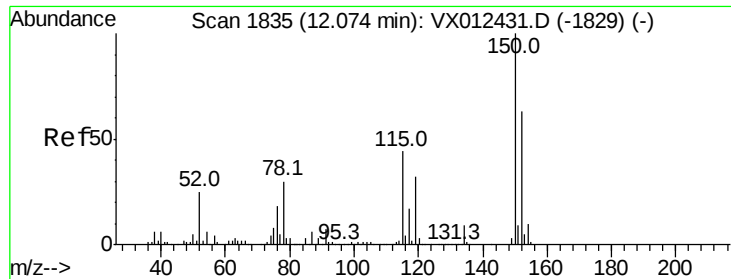
175 0.0 23.7 71.1#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157

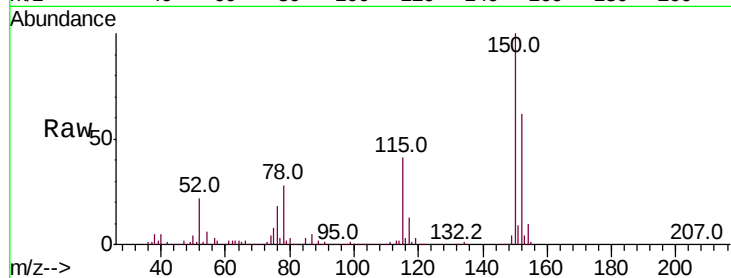
Tot Ion:152 Resp: 109755

Ion Ratio Lower Upper

152 100

115 66.5 44.1 132.3

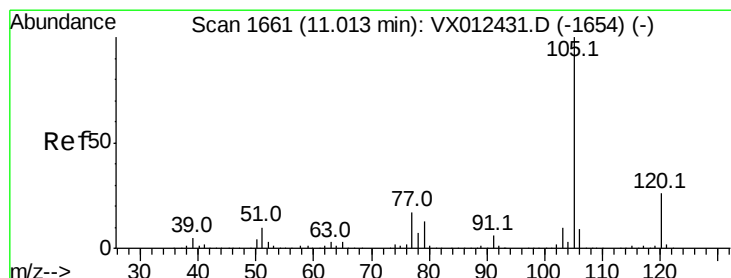
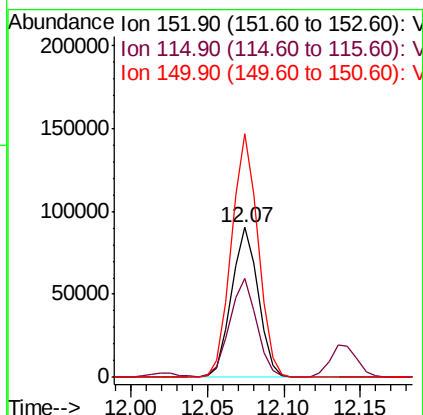
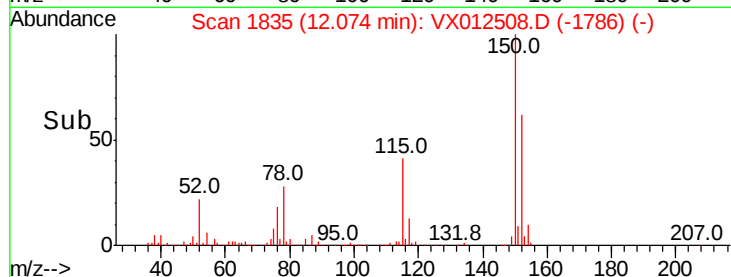
150 161.0 0.0 343.8



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: 51.783 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012508.D

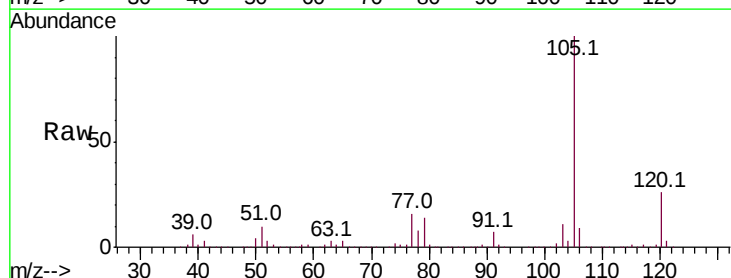
Acq: 19 Sep 2019 05:24

Tgt Ion:105 Resp: 356603

Ion Ratio Lower Upper

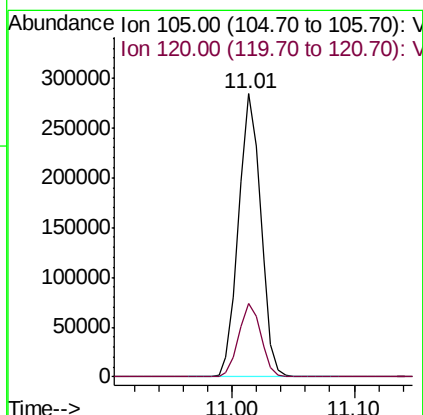
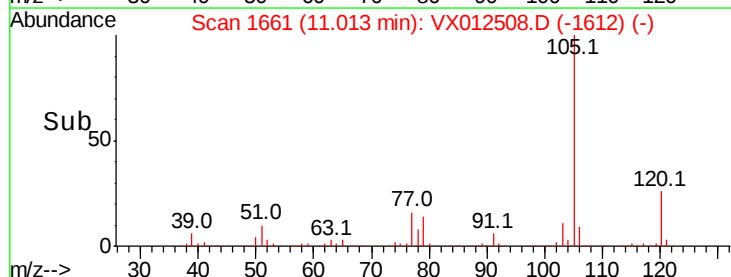
105 100

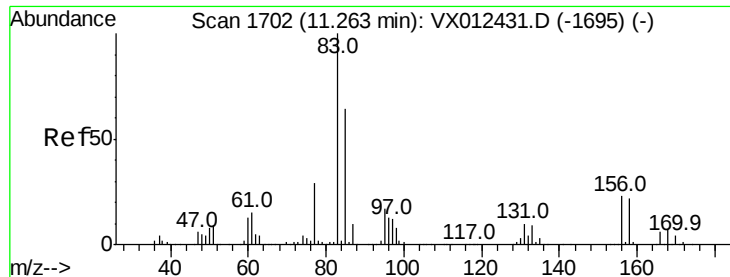
120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.326 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampled :

Z2-0157

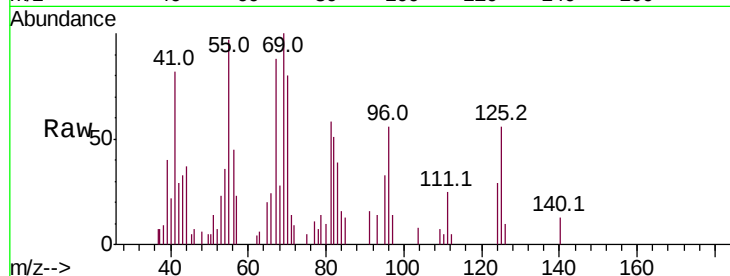
Tot Ion: 83 Resp: 881

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

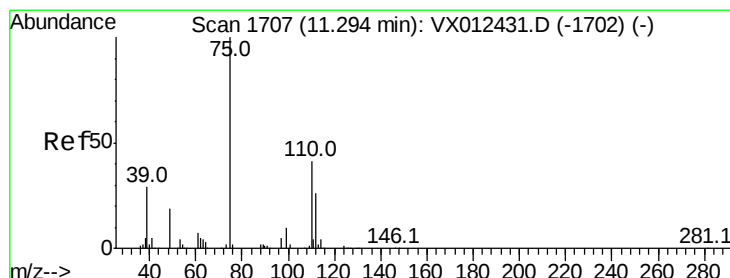
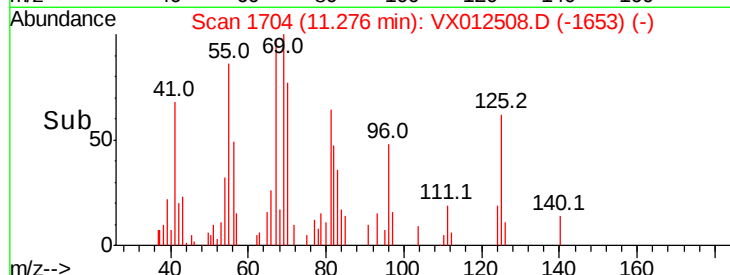
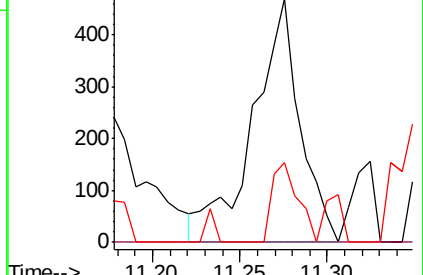
85 18.3 32.0 96.0#



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: 1.011 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.06 min

Lab File: VX012508.D

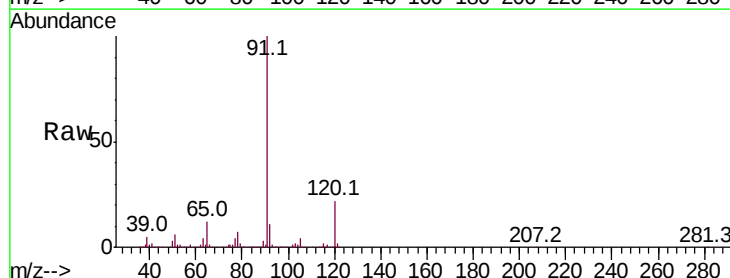
Acq: 19 Sep 2019 05:24

Tgt Ion: 75 Resp: 2548

Ion Ratio Lower Upper

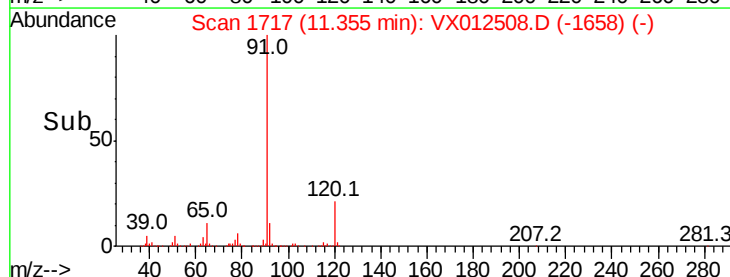
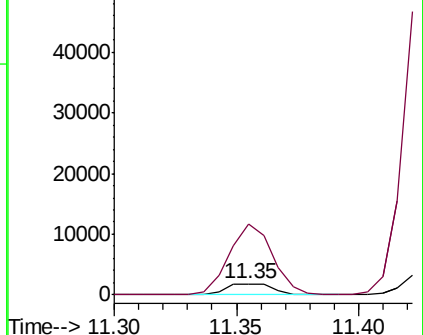
75 100

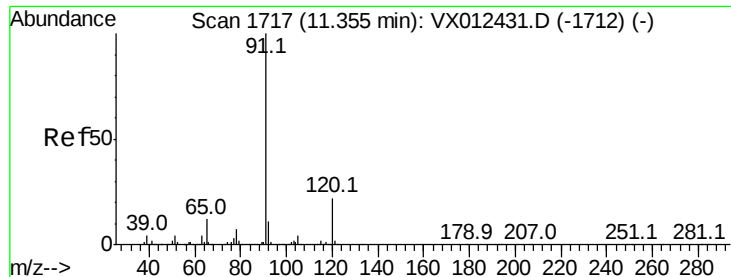
77 573.1 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 46.324 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

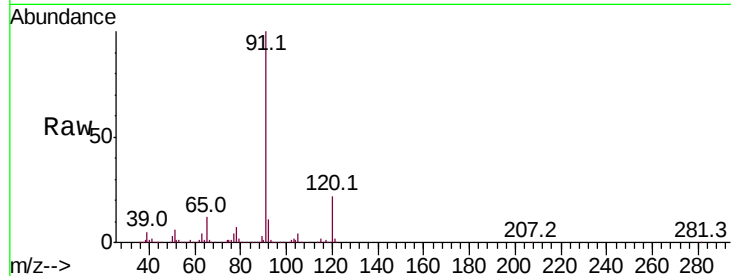
Z2-0157

Tot Ion: 91 Resp: 355547

Ion Ratio Lower Upper

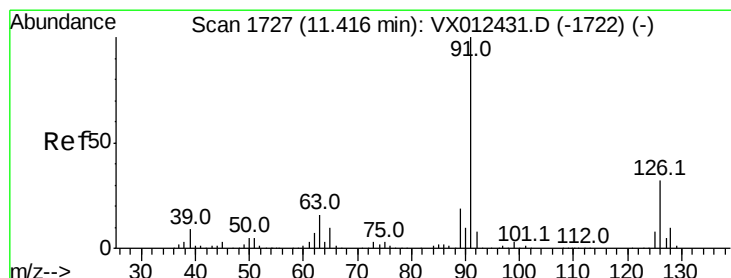
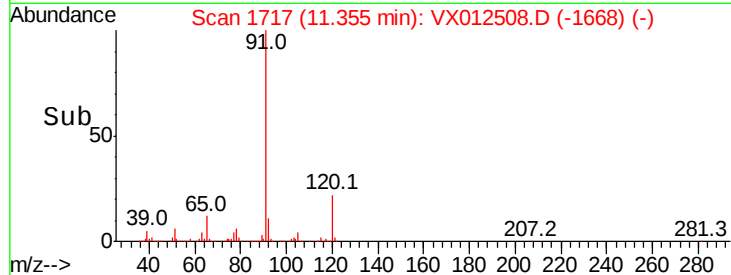
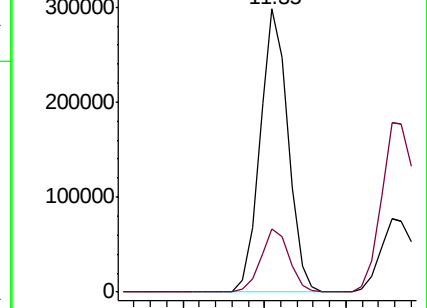
91 100

120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 30.658 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX012508.D

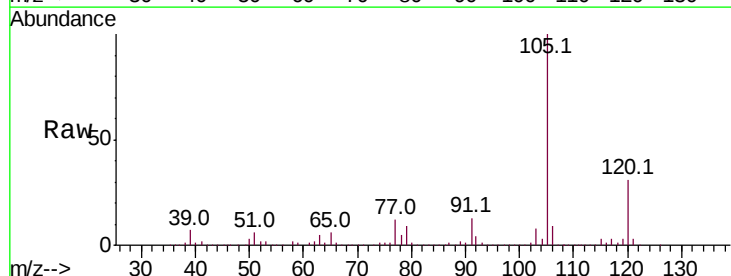
Acq: 19 Sep 2019 05:24

Tgt Ion: 91 Resp: 153082

Ion Ratio Lower Upper

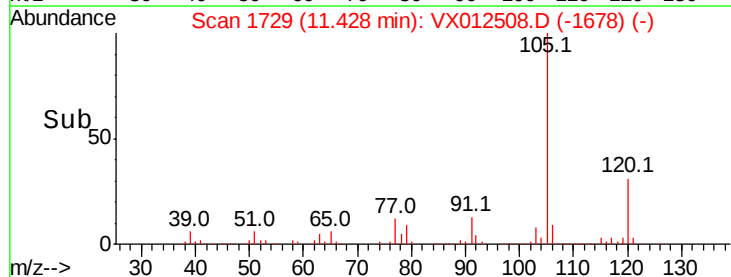
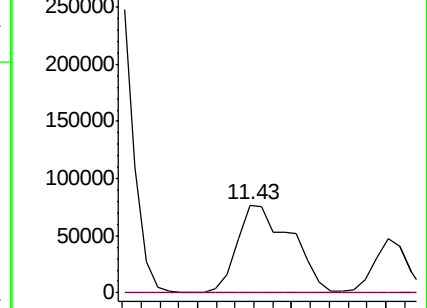
91 100

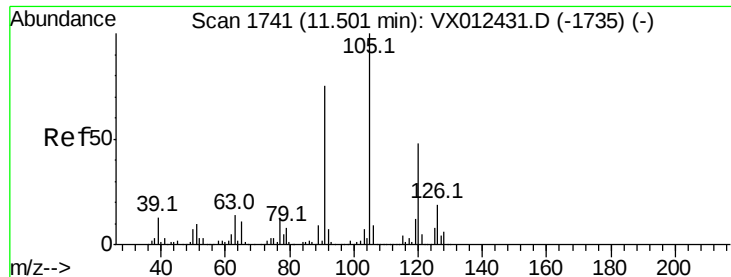
126 0.2 16.4 49.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

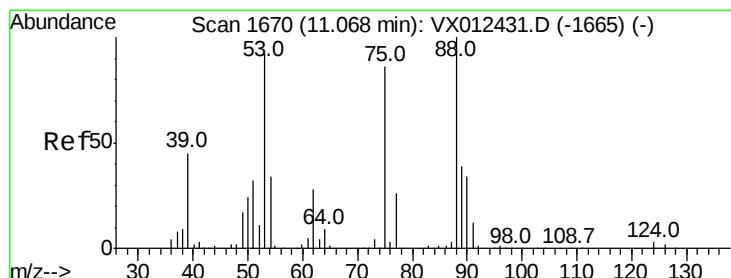
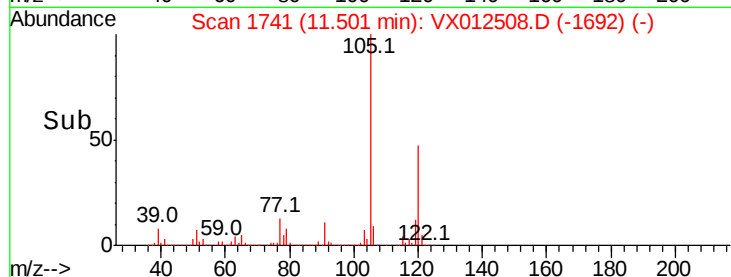
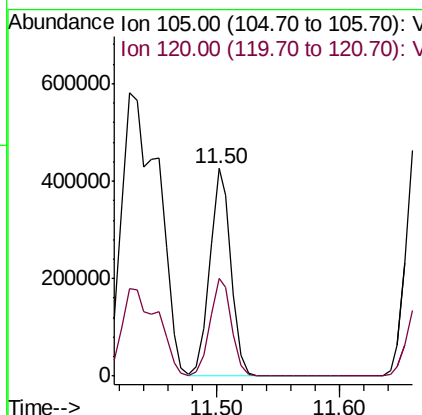
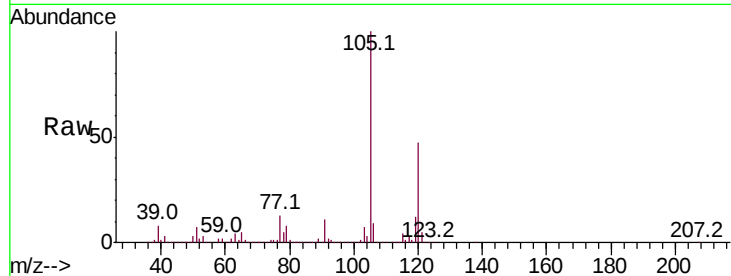




#80
 1,3,5-Trimethylbenzene
 Concen: 87.670 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012508.D
 Acq: 19 Sep 2019 05:24

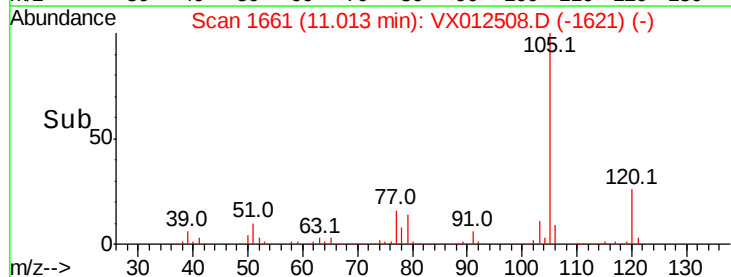
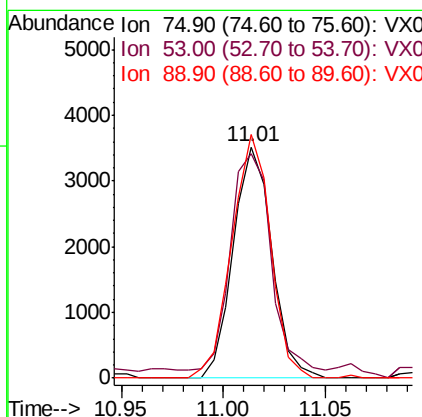
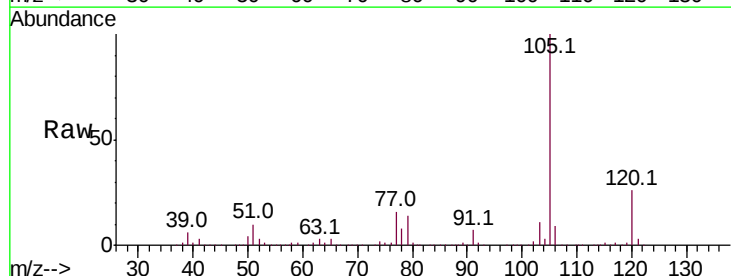
Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157

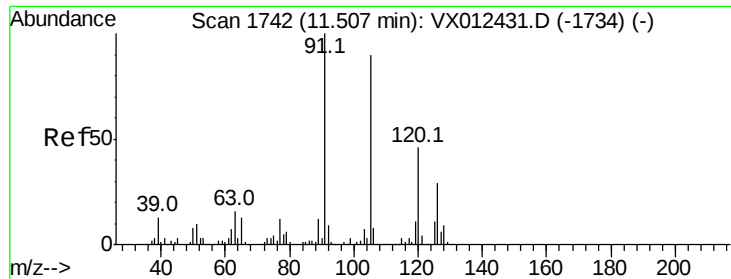
Tot Ion:105 Resp: 514893
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 7.799 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.05 min
 Lab File: VX012508.D
 Acq: 19 Sep 2019 05:24

Tgt Ion: 75 Resp: 4604
 Ion Ratio Lower Upper
 75 100
 53 98.0 83.6 125.4
 89 105.7 36.3 54.5#





#82

4-Chlorotoluene

Concen: 10.103 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

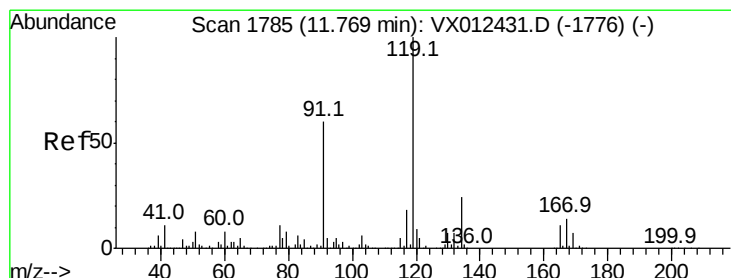
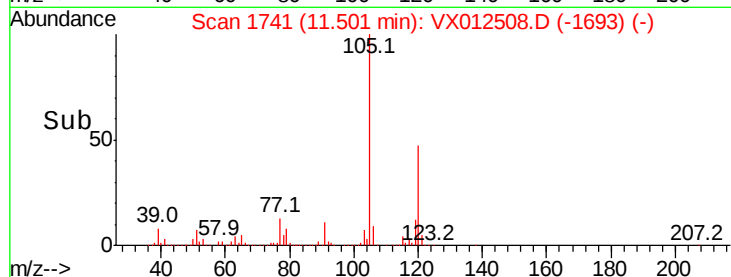
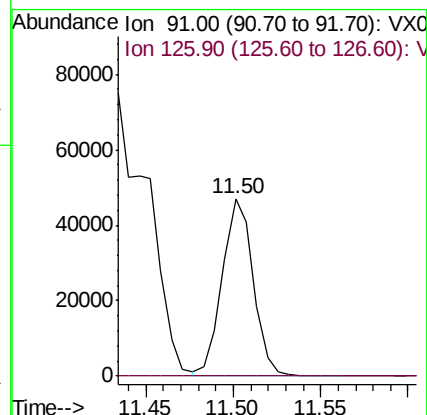
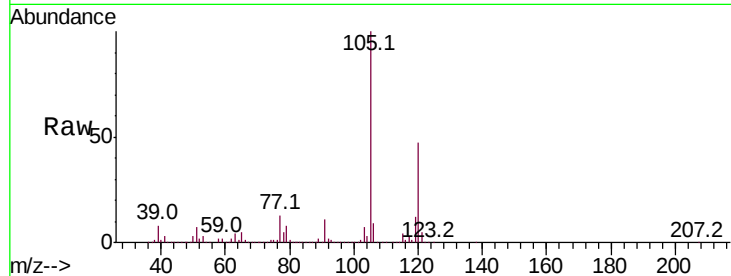
Z2-0157

Tot Ion: 91 Resp: 57899

Ion Ratio Lower Upper

91 100

126 0.0 14.4 43.0#



#83

tert-Butylbenzene

Concen: 29.118 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.04 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

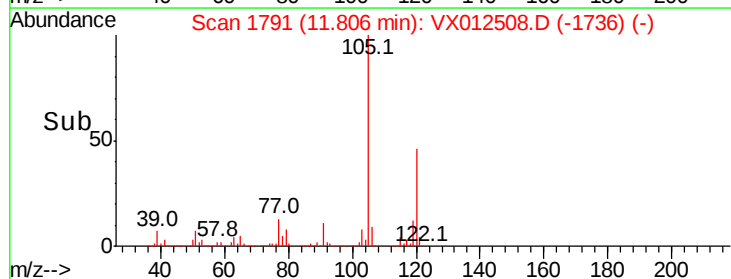
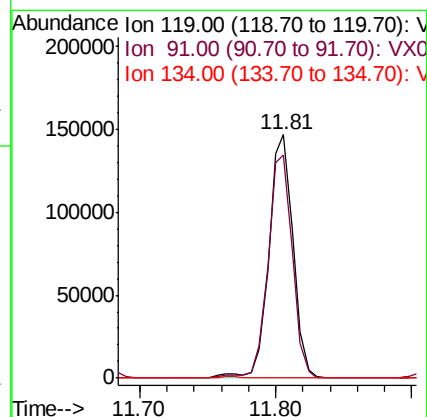
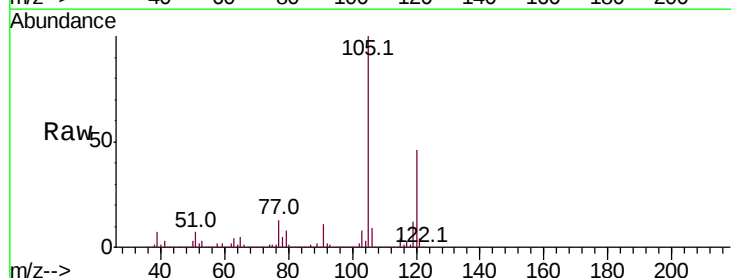
Tgt Ion: 119 Resp: 183250

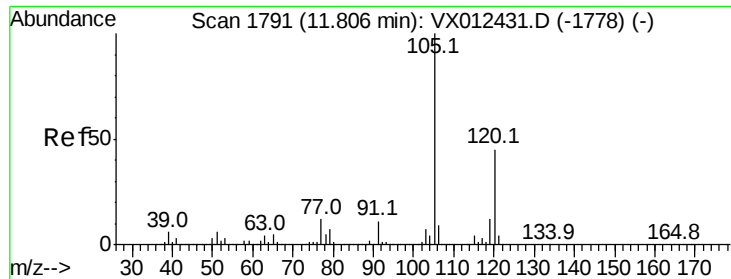
Ion Ratio Lower Upper

119 100

91 92.7 30.0 90.0#

134 0.0 11.3 33.9#

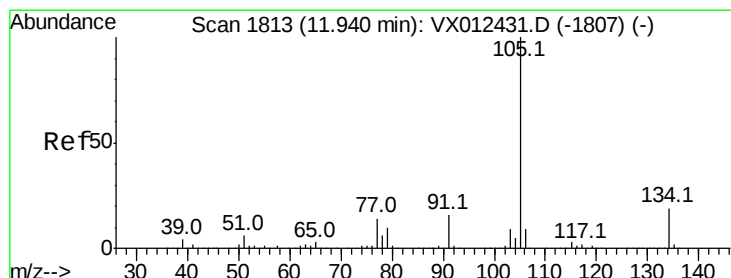
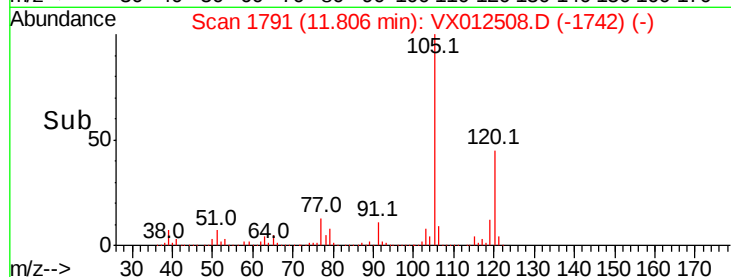
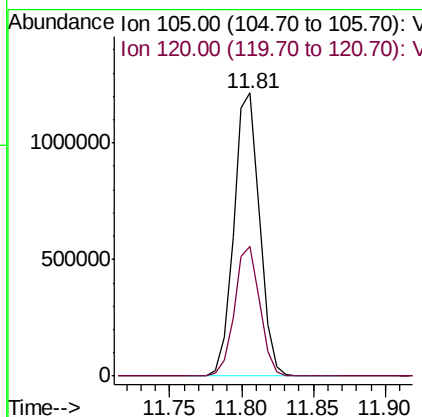
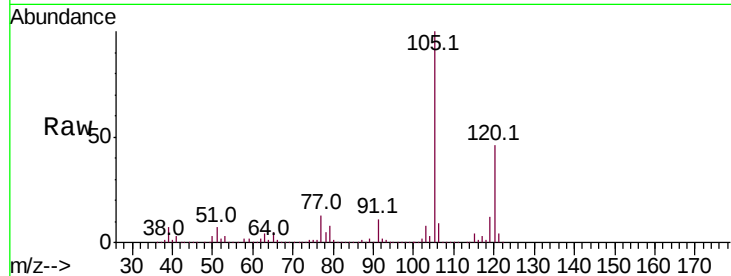




#84
1,2,4-Trimethylbenzene
Concen: 251.613 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

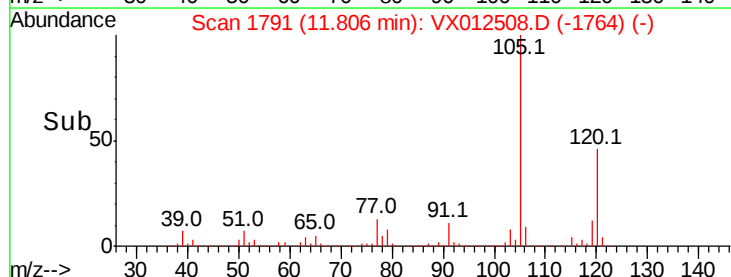
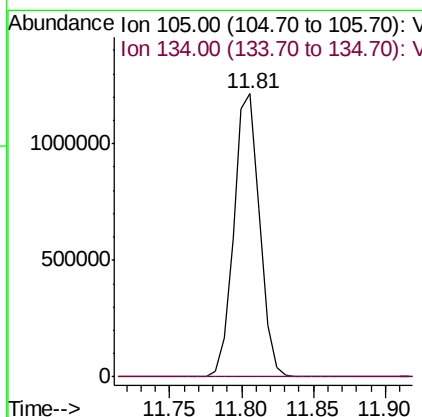
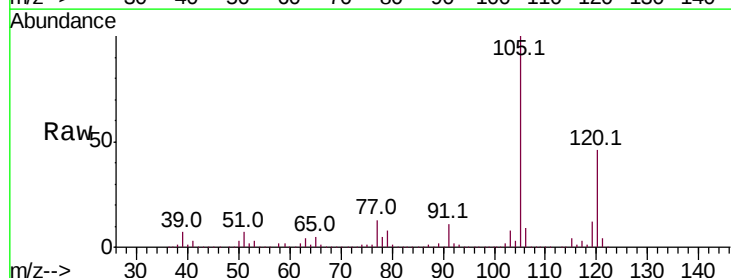
Instrument :
MSVOA_X
ClientSampled :
Z2-0157

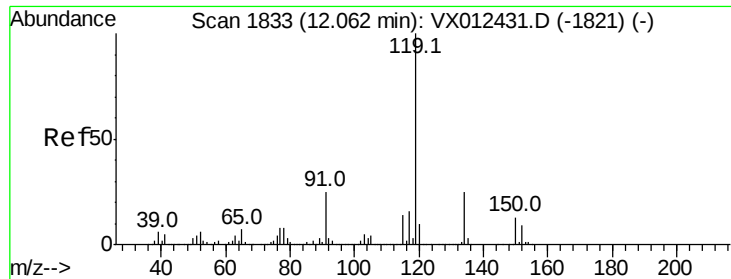
Tot Ion:105 Resp: 1517296
Ion Ratio Lower Upper
105 100
120 45.0 22.2 66.6



#85
sec-Butylbenzene
Concen: 218.798 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.13 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Tgt Ion:105 Resp: 1517296
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#

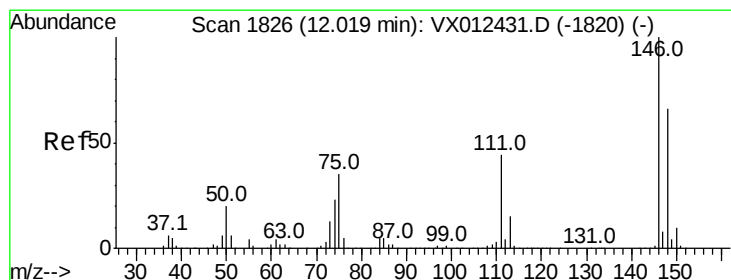
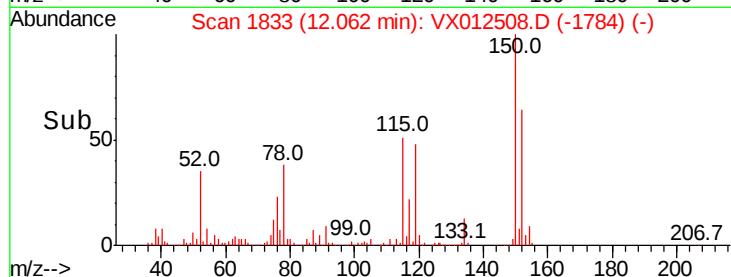
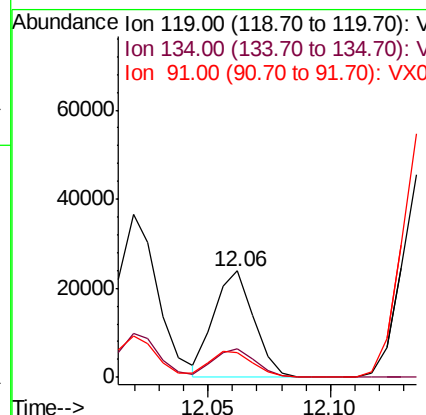
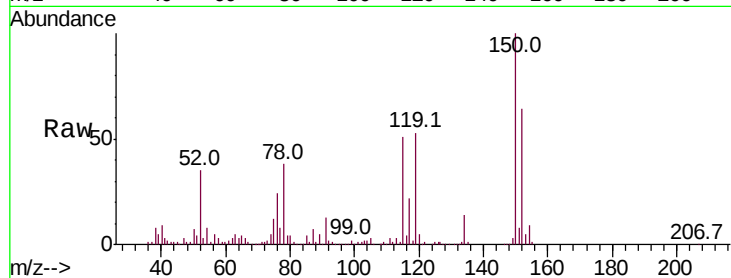




#86
p-Isopropyltoluene
Concen: 4.249 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

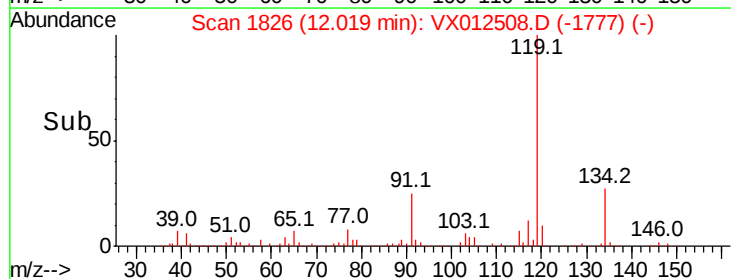
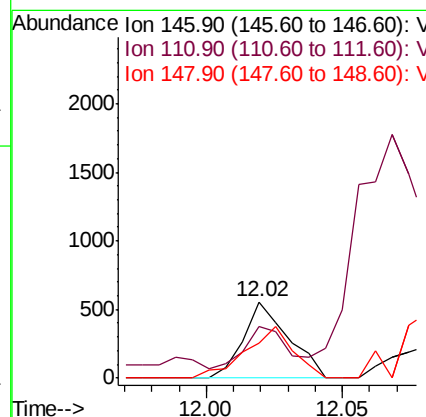
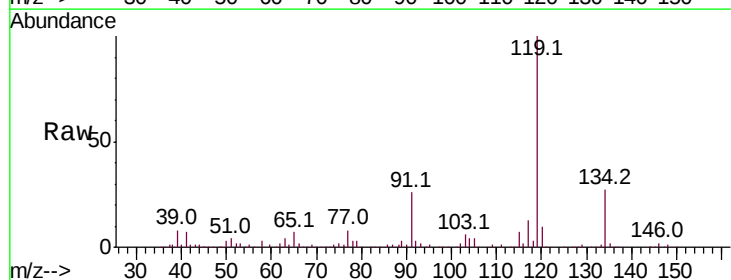
Instrument :
MSVOA_X
ClientSampleId :
Z2-0157

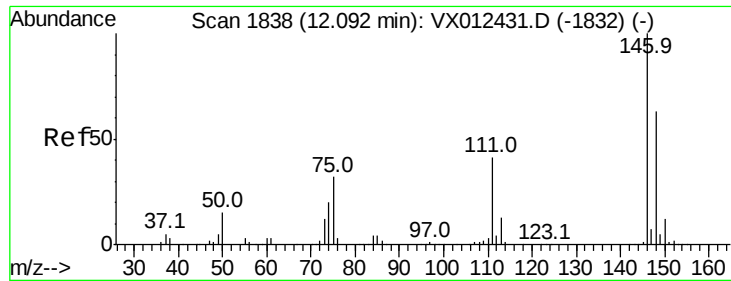
Tot Ion:119 Resp: 27055
Ion Ratio Lower Upper
119 100
134 28.6 12.7 38.1
91 26.3 12.8 38.4



#87
1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Tgt Ion:146 Resp: 635
Ion Ratio Lower Upper
146 100
111 76.1 21.3 64.0#
148 71.8 32.4 97.2

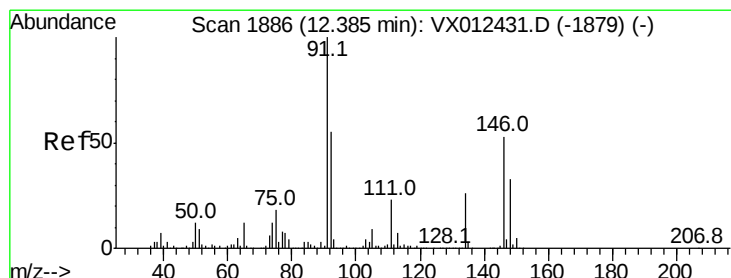
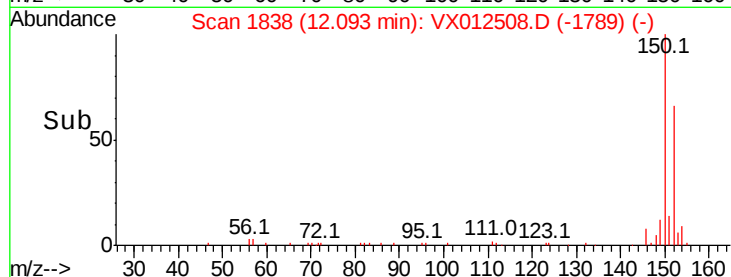
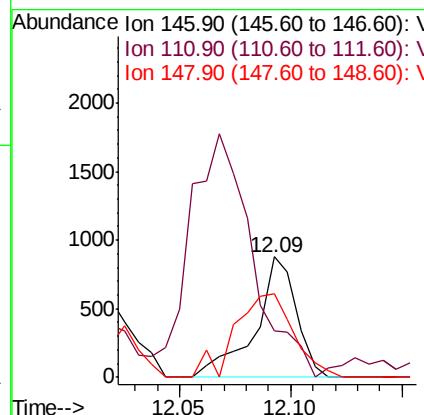
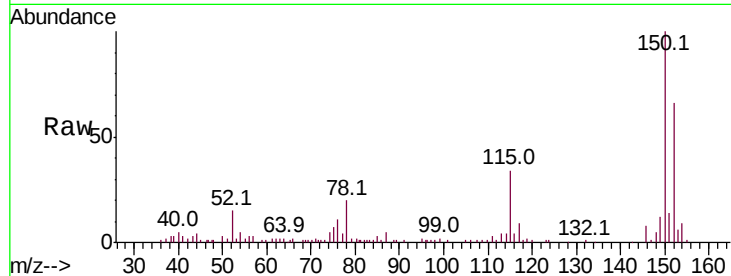




#88
 1,4-Dichlorobenzene
 Concen: 0.348 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012508.D
 Acq: 19 Sep 2019 05:24

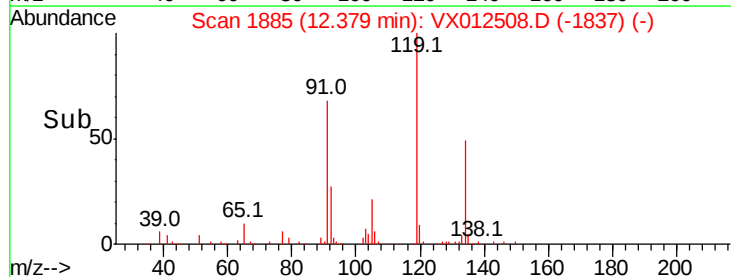
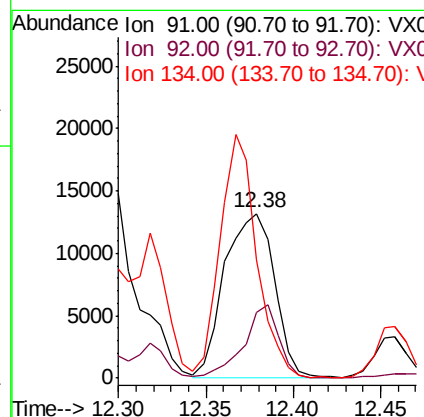
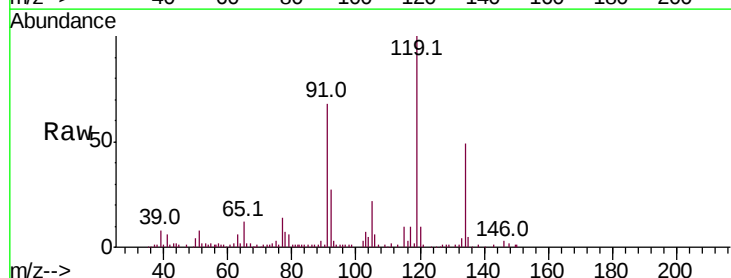
Instrument :
 MSVOA_X
 ClientSampled :
 Z2-0157

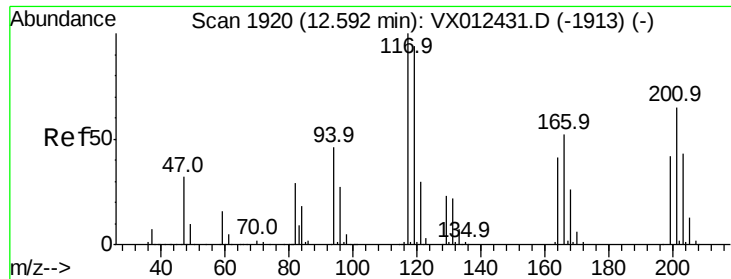
Tot Ion:146 Resp: 1130
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.1 63.3#
 148 98.8 32.1 96.5#



#89
 n-Butylbenzene
 Concen: 4.560 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: VX012508.D
 Acq: 19 Sep 2019 05:24

Tgt Ion: 91 Resp: 25910
 Ion Ratio Lower Upper
 91 100
 92 32.0 27.7 83.0
 134 109.8 12.9 38.6#

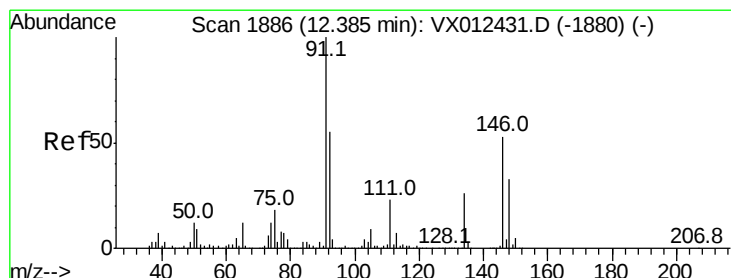
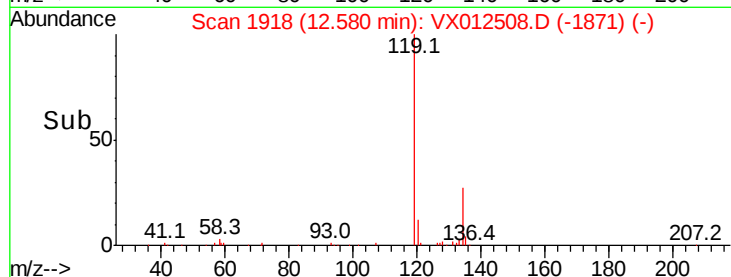
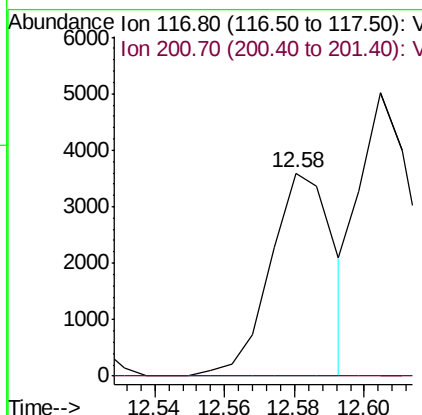
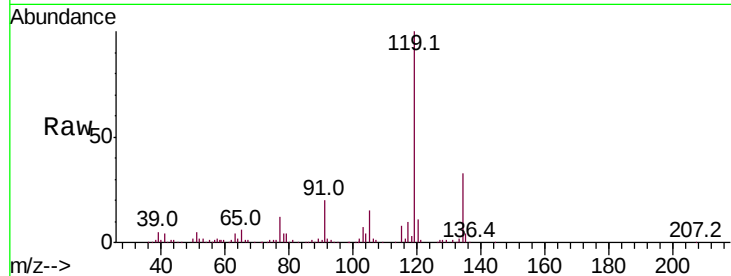




#90
Hexachloroethane
Concen: 3.872 ug/l
RT: 12.58 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

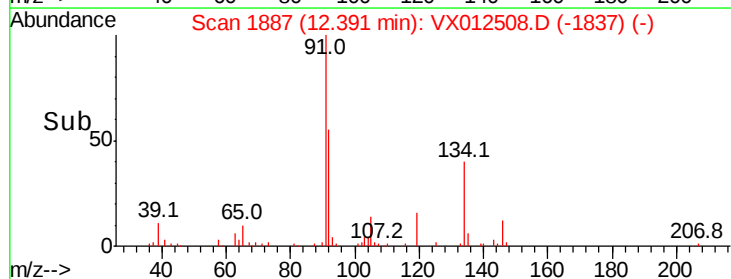
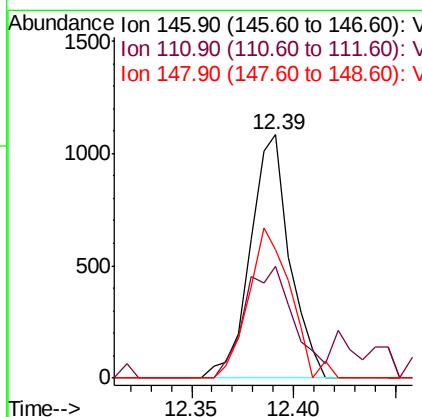
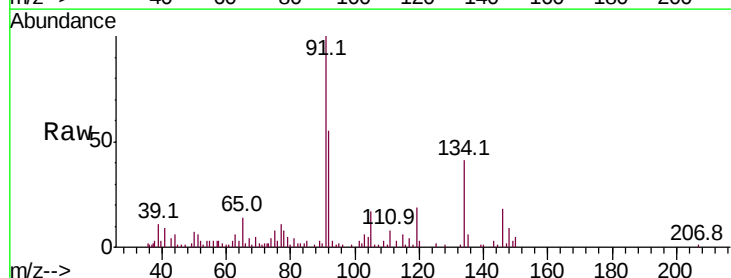
Instrument :
MSVOA_X
ClientSampleId :
Z2-0157

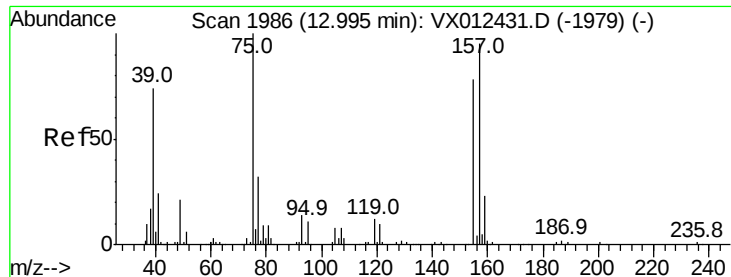
Tot Ion:117 Resp: 4521
Ion Ratio Lower Upper
117 100
201 0.0 33.3 99.8#



#91
1,2-Dichlorobenzene
Concen: 0.442 ug/l
RT: 12.39 min Scan# 1887
Delta R.T. 0.01 min
Lab File: VX012508.D
Acq: 19 Sep 2019 05:24

Tgt Ion:146 Resp: 1458
Ion Ratio Lower Upper
146 100
111 57.7 22.1 66.1
148 65.6 31.3 93.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.584 ug/l

RT: 12.98 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157

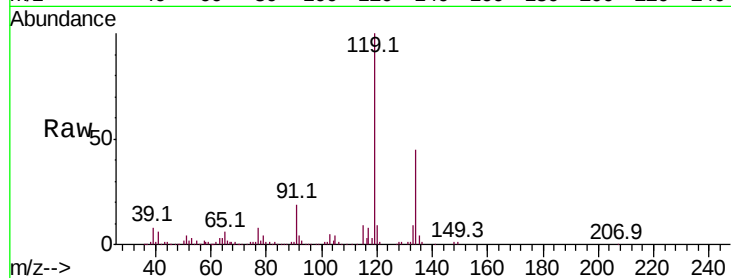
Tot Ion: 75 Resp: 409

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.8#

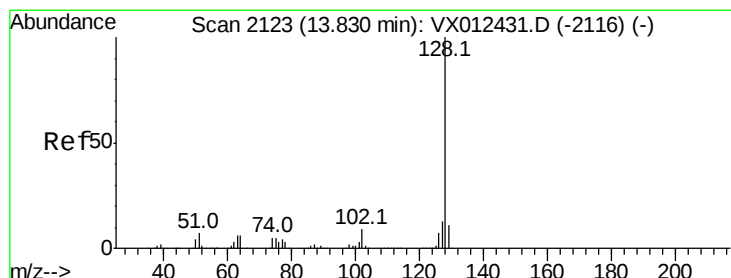
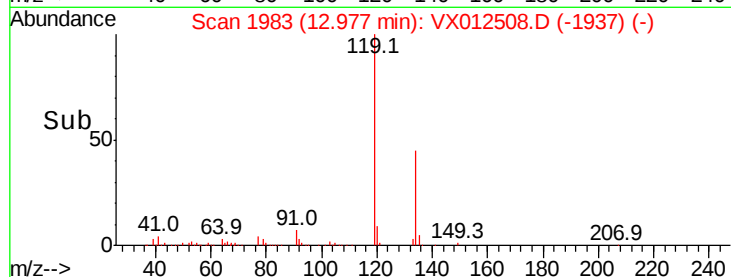
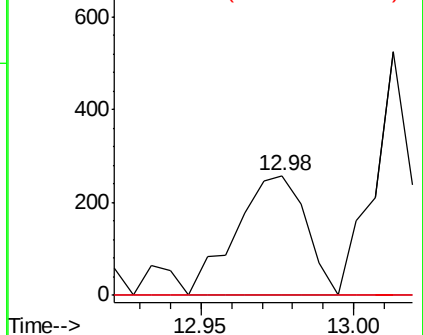
157 0.0 50.6 151.9#



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



#95

Naphthalene

Concen: 26.853 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012508.D

Acq: 19 Sep 2019 05:24

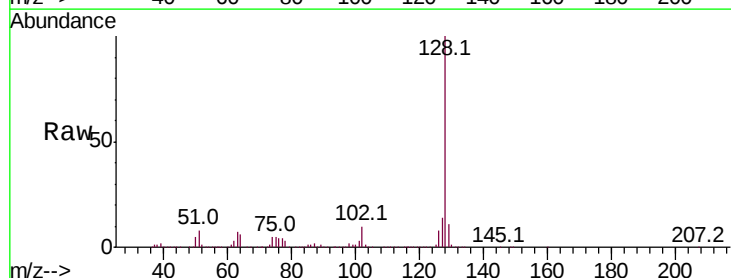
Tgt Ion:128 Resp: 203218

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.3 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

