

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012874.D
 Acq On : 08 Oct 2019 06:23
 Operator : JC/SP
 Sample : K5122-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:18:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109559	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	121219	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
35) Dibromofluoromethane	5.49	113	90522	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	8.71	98	359096	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.14	95	128572	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

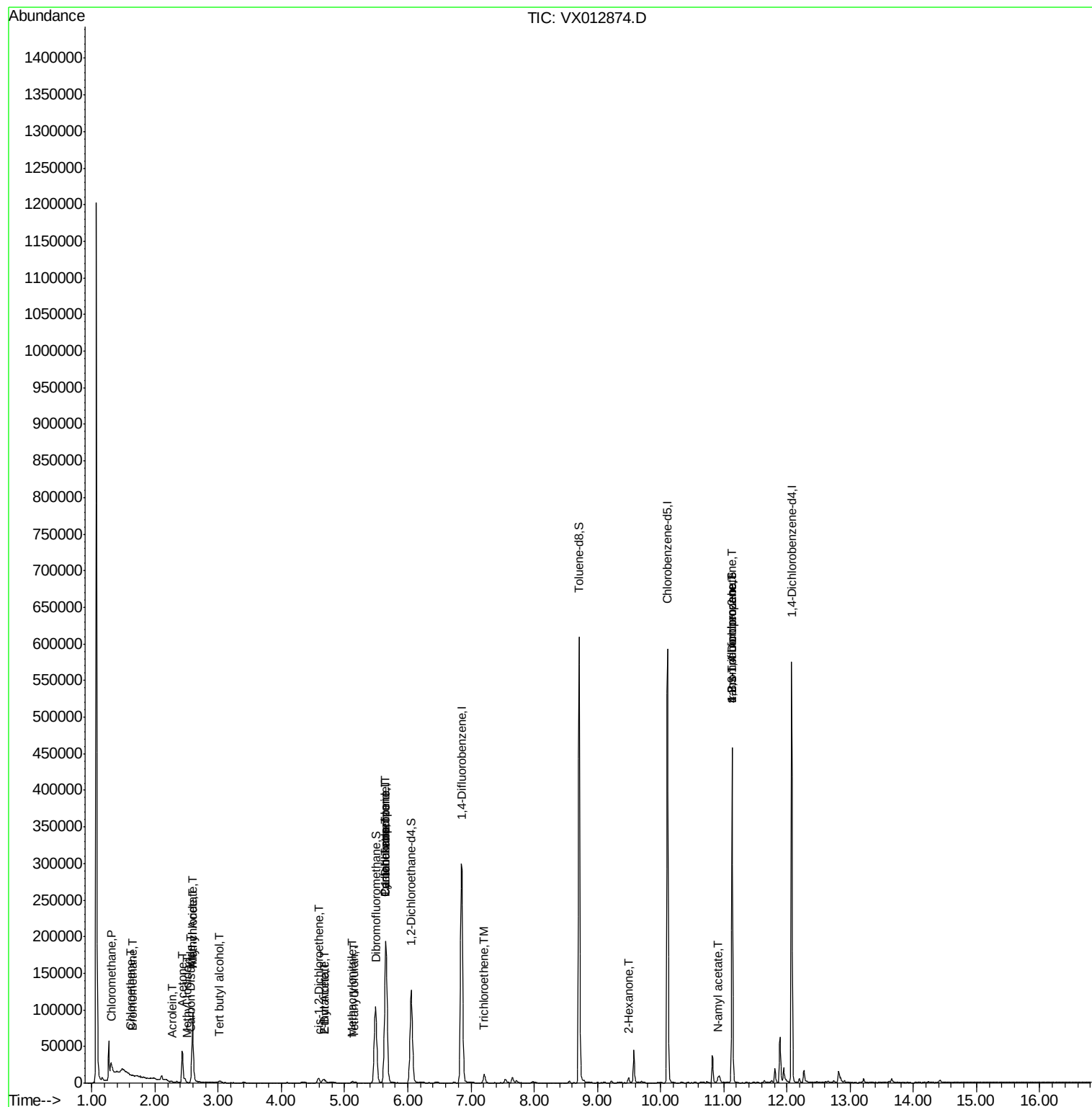
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	871	0.377	ug/l #	85
5) Bromomethane	1.65	94	215	0.238	ug/l #	55
6) Chloroethane	1.61	64	1234	0.797	ug/l #	45
10) Methyl Iodide	2.51	142	21	4.962	ug/l #	35
11) Tert butyl alcohol	3.03	59	2705	4.158	ug/l	95
13) Acrolein	2.28	56	302	11.032	ug/l #	73
14) Allyl chloride	2.59	41	8582	2.250	ug/l #	63
16) Acetone	2.43	43	46072	33.403	ug/l	97
17) Carbon Disulfide	2.56	76	2201	0.408	ug/l #	86
18) Methyl Acetate	2.59	43	22539	6.940	ug/l #	54
25) 2-Butanone	4.67	43	10261	5.188	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	4103	1.660	ug/l	85
29) Tetrahydrofuran	5.15	42	314	0.260	ug/l #	34
31) Cyclohexane	5.65	56	3878	1.070	ug/l #	17
36) 1,1-Dichloropropene	5.65	75	14381	4.960	ug/l #	51
37) Ethyl Acetate	4.67	43	10261	3.027	ug/l #	69
38) Carbon Tetrachloride	5.65	117	18600	6.315	ug/l #	17
41) Methacrylonitrile	5.12	41	575	0.302	ug/l #	42
44) Trichloroethene	7.21	130	4381	2.009	ug/l	87
59) 2-Hexanone	9.50	43	4445	1.659	ug/l	92
74) N-amyl acetate	10.91	43	928	0.218	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	63530	21.921	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	63530	62.821	ug/l #	8

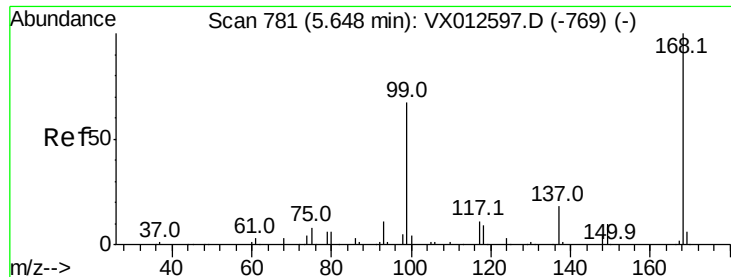
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100719\
Data File : VX012874.D
Acq On : 08 Oct 2019 06:23
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ClientSampleId :

Quant Time: Oct 08 11:18:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

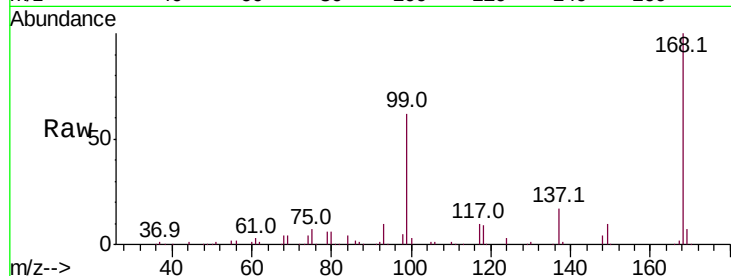
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 178822

Ion Ratio Lower Upper

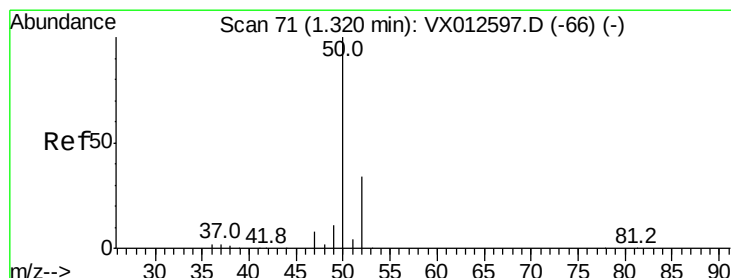
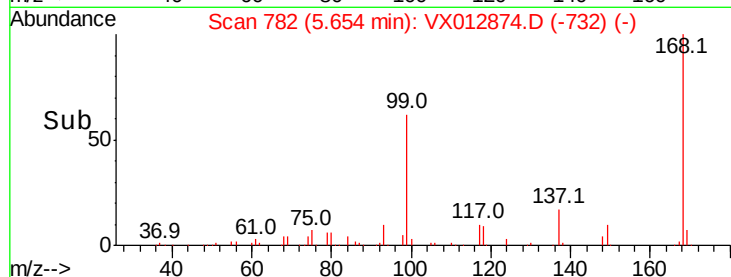
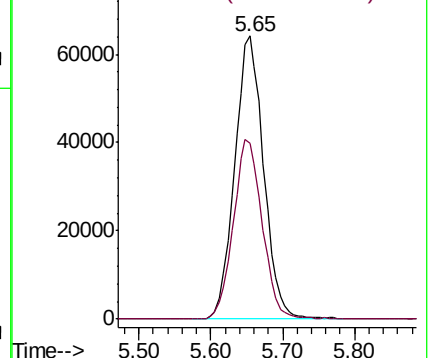
168 100

99 62.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.377 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012874.D

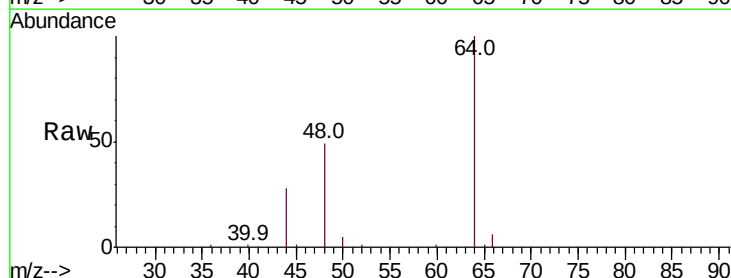
Acq: 08 Oct 2019 06:23

Tgt Ion: 50 Resp: 871

Ion Ratio Lower Upper

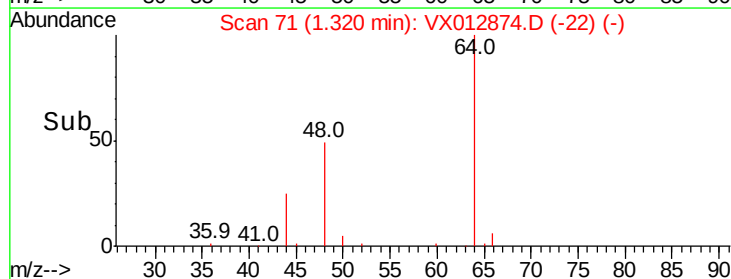
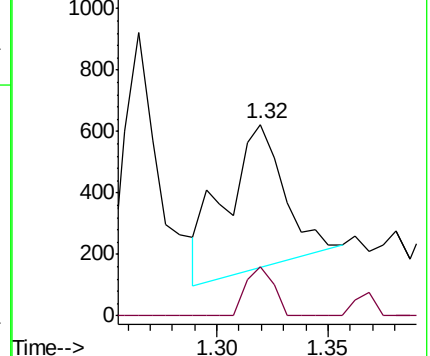
50 100

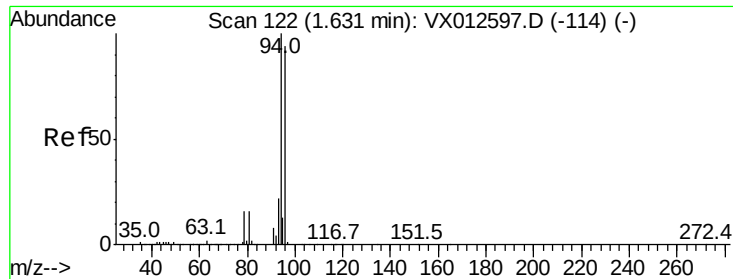
52 40.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.238 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

Instrument :

MSVOA_X

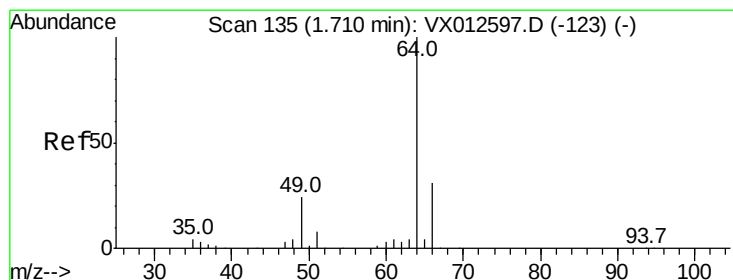
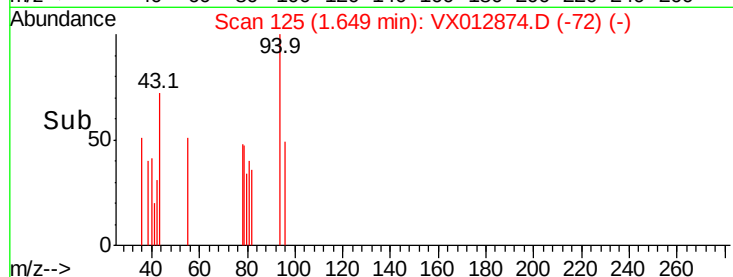
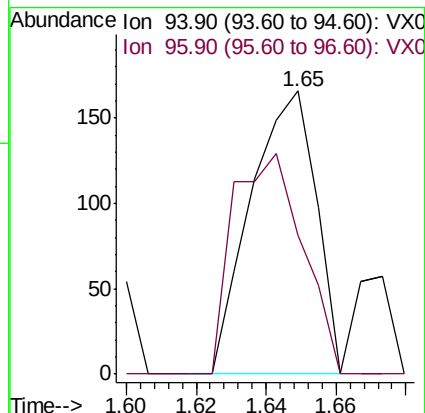
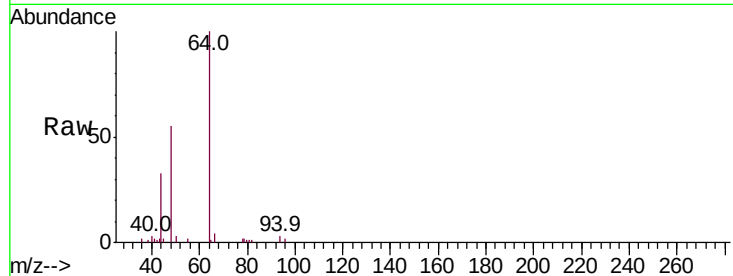
ClientSampleId :

Tot Ion: 94 Resp: 215

Ion Ratio Lower Upper

94 100

96 48.8 72.8 109.2#



#6

Chloroethane

Concen: 0.797 ug/l

RT: 1.61 min Scan# 119

Delta R.T. -0.10 min

Lab File: VX012874.D

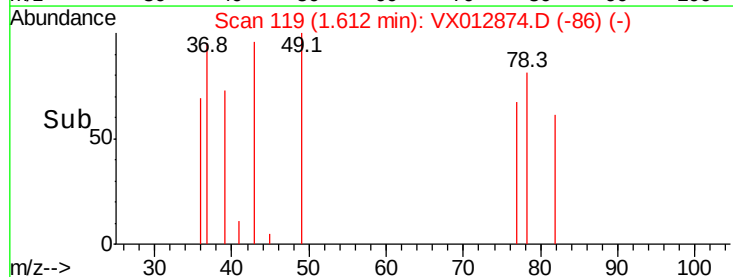
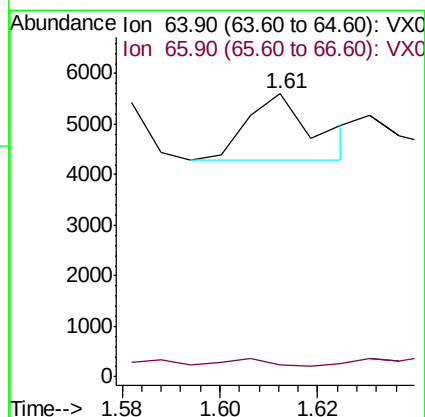
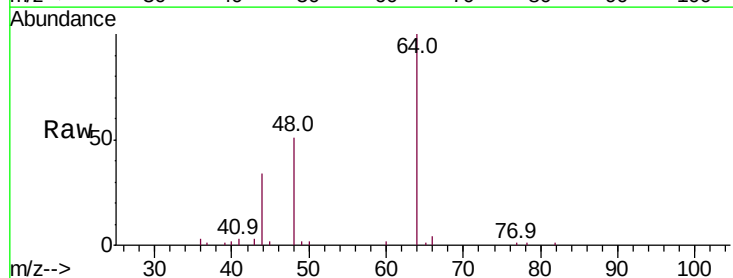
Acq: 08 Oct 2019 06:23

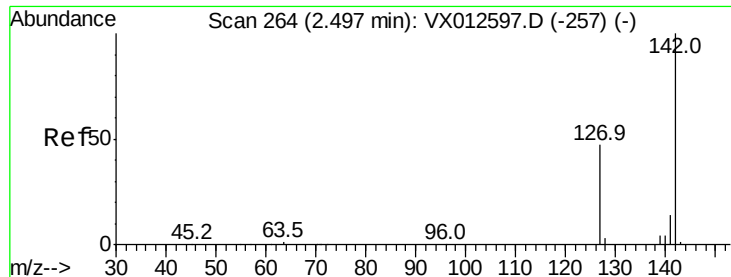
Tgt Ion: 64 Resp: 1234

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#

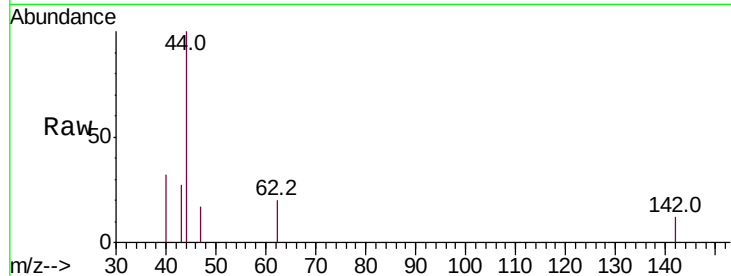




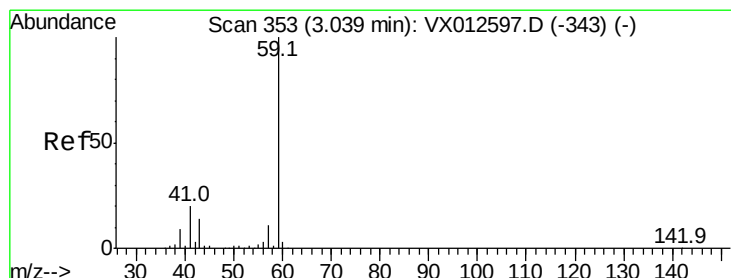
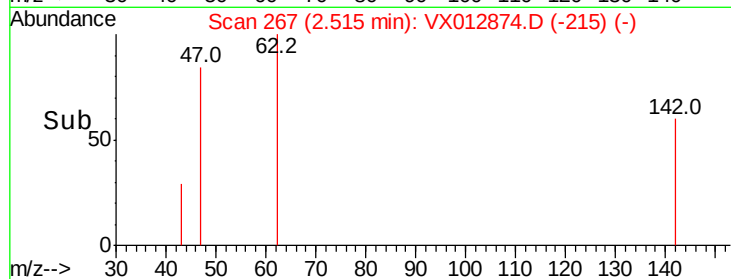
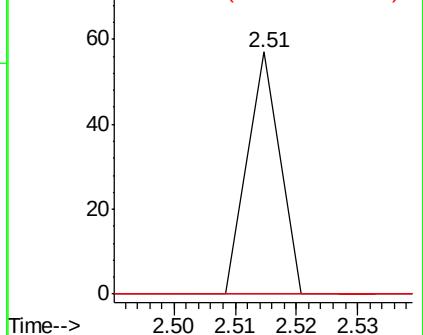
#10
Methyl Iodide
Concen: 4.962 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#

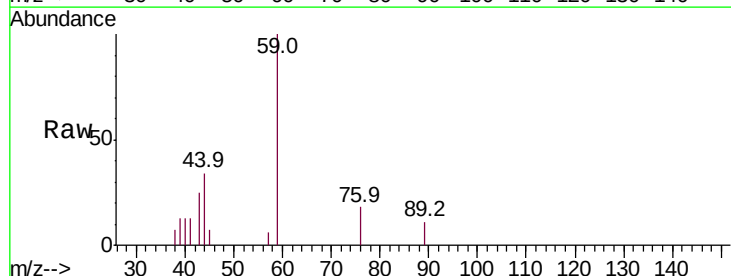


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

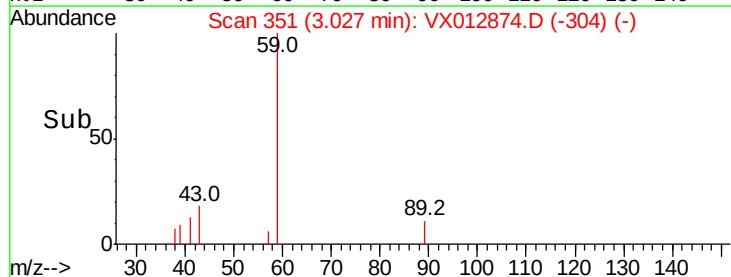
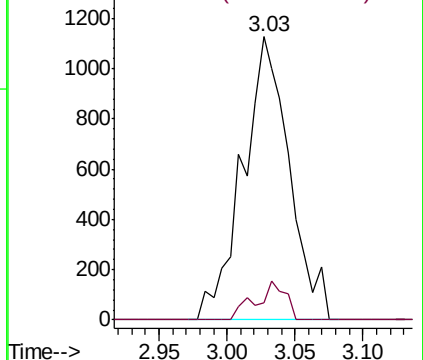


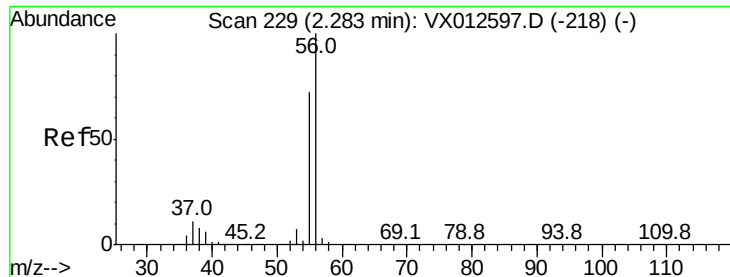
#11
Tert butyl alcohol
Concen: 4.158 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

Tgt Ion: 59 Resp: 2705
Ion Ratio Lower Upper
59 100
57 8.7 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: 11.032 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

Instrument :

MSVOA_X

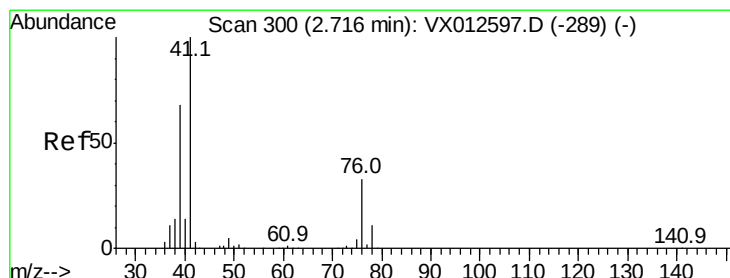
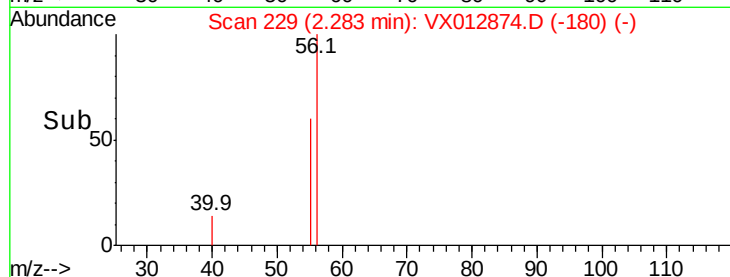
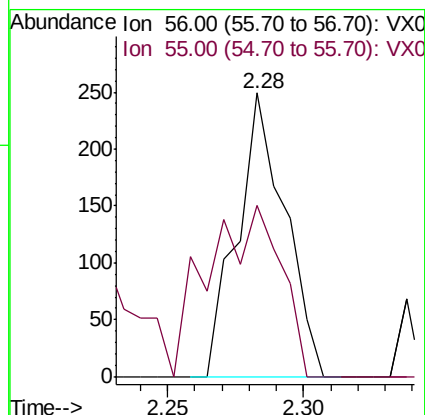
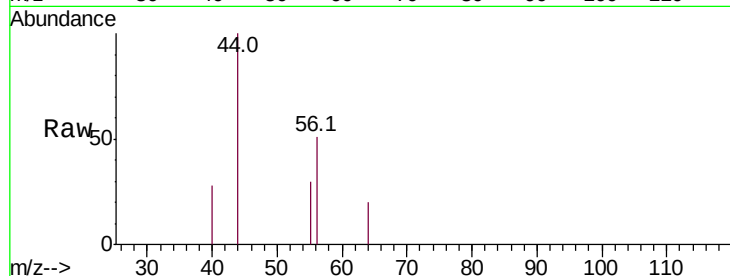
ClientSampleId :

Tot Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 92.1 55.8 83.8#



#14

Allyl chloride

Concen: 2.250 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

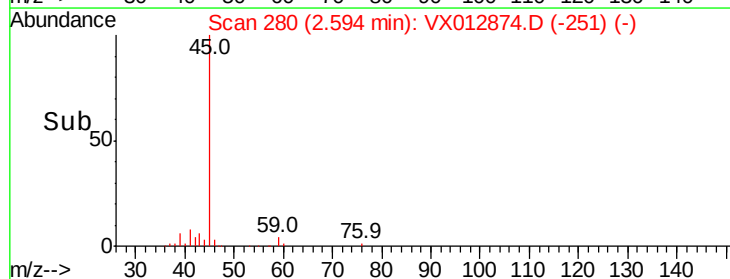
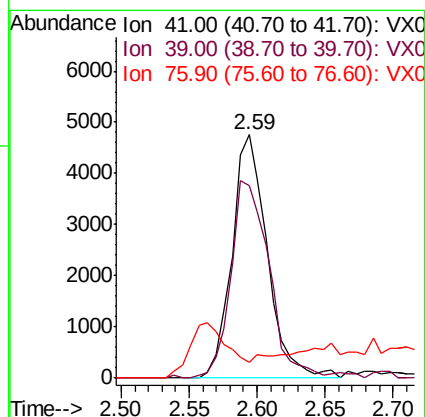
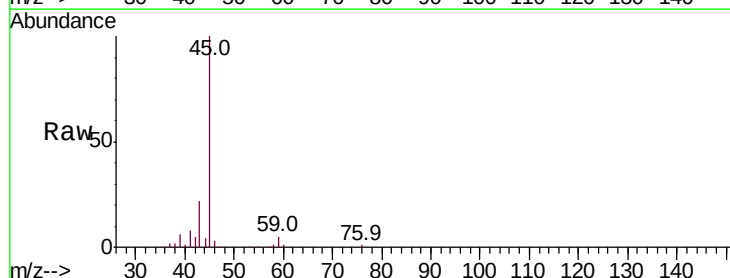
Tgt Ion: 41 Resp: 8582

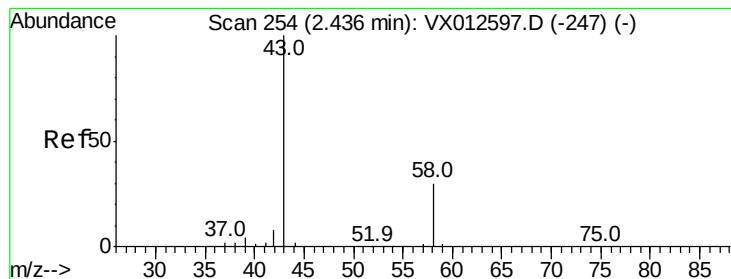
Ion Ratio Lower Upper

41 100

39 87.9 51.3 76.9#

76 0.0 22.6 33.8#





#16

Acetone

Concen: 33.403 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

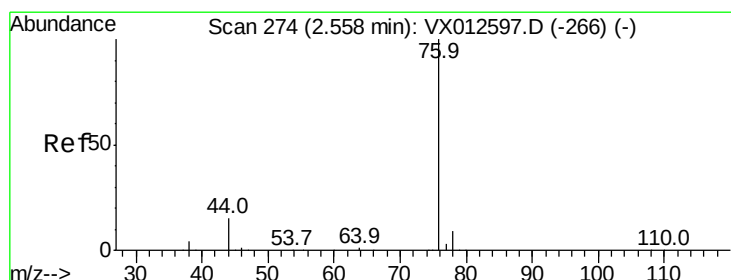
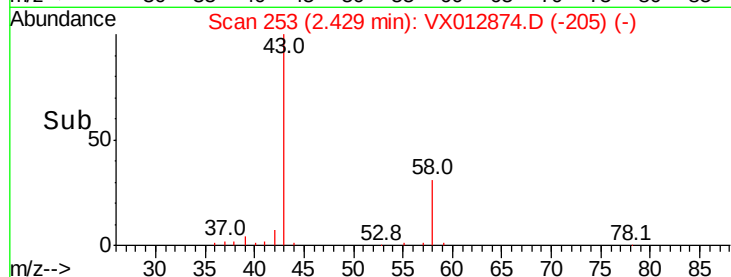
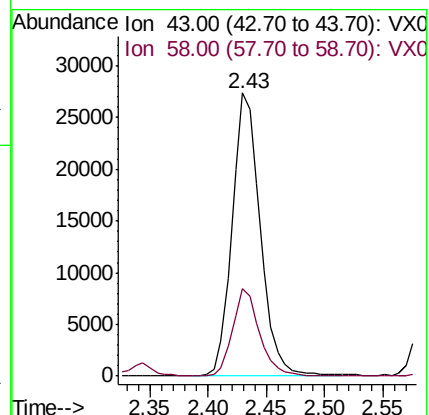
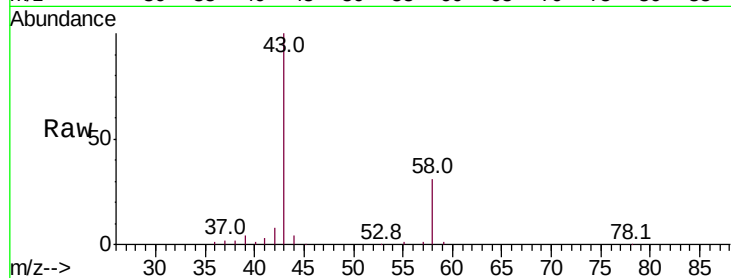
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 46072

Ion Ratio Lower Upper

43 100

58 31.0 23.3 34.9



#17

Carbon Disulfide

Concen: 0.408 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012874.D

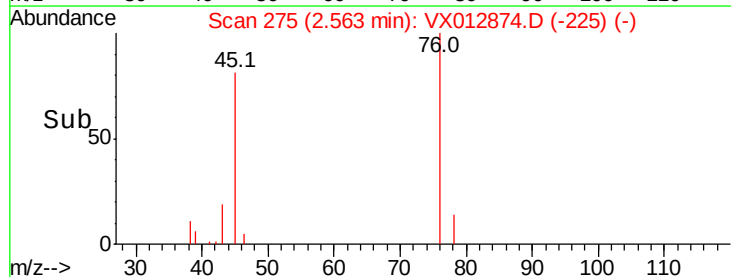
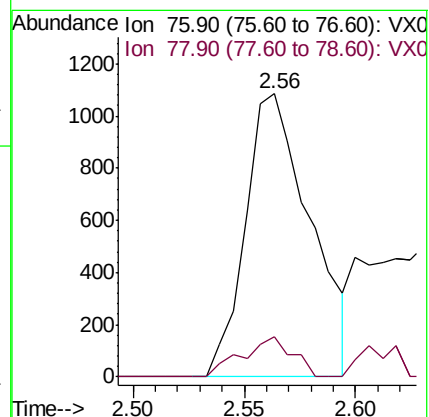
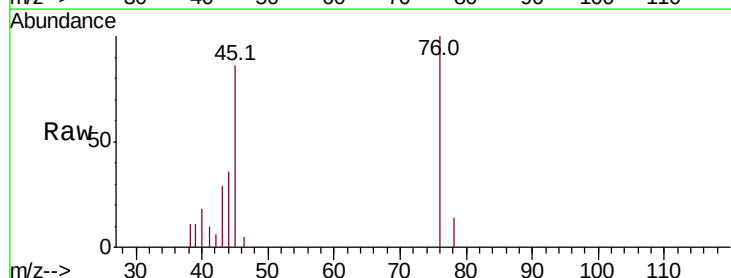
Acq: 08 Oct 2019 06:23

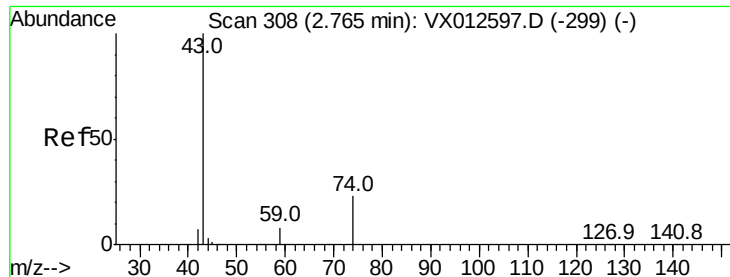
Tgt Ion: 76 Resp: 2201

Ion Ratio Lower Upper

76 100

78 14.1 7.3 10.9#

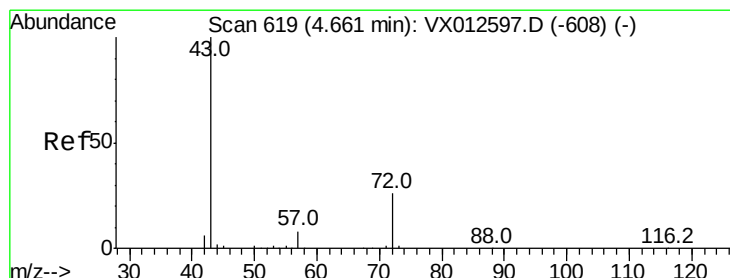
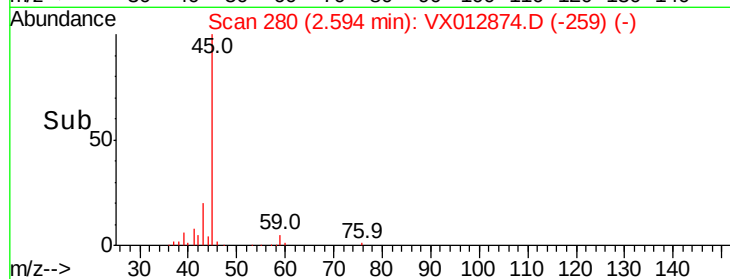
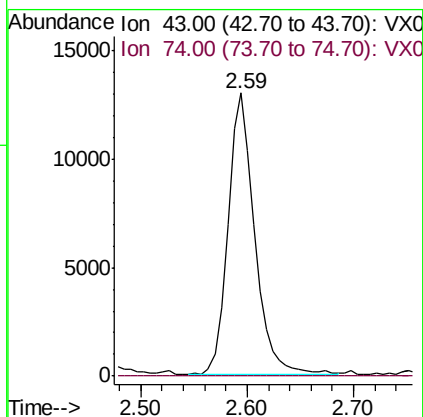
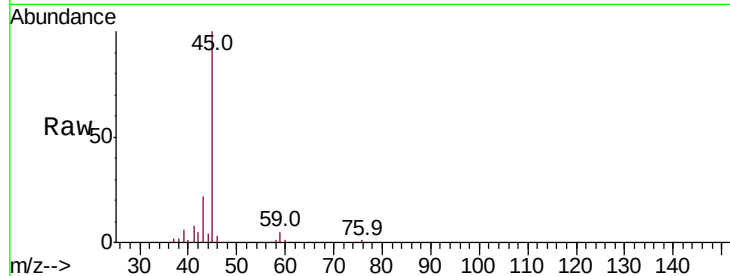




#18
Methvl Acetate
Concen: 6.940 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

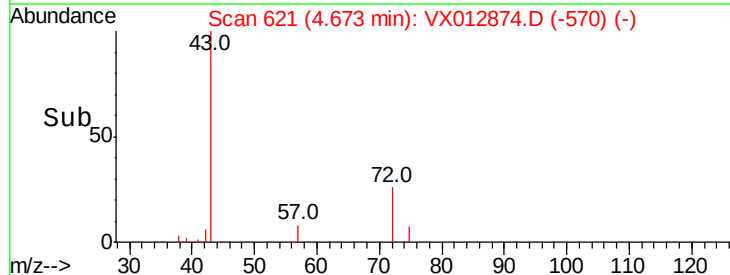
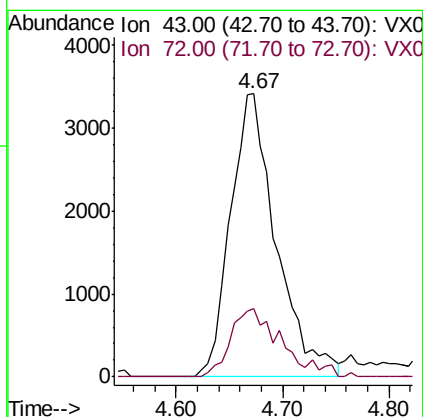
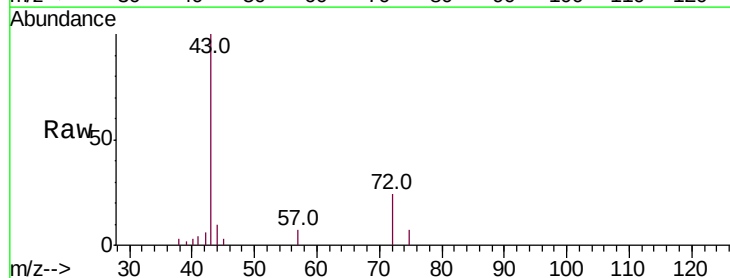
Instrument :
MSVOA_X
ClientSampled :

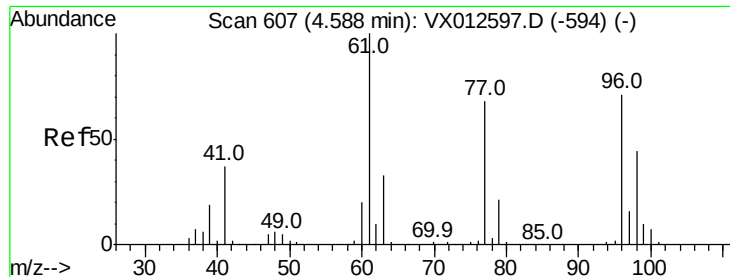
Tot Ion: 43 Resp: 22539
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#25
2-Butanone
Concen: 5.188 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

Tgt Ion: 43 Resp: 10261
Ion Ratio Lower Upper
43 100
72 24.2 19.2 28.8



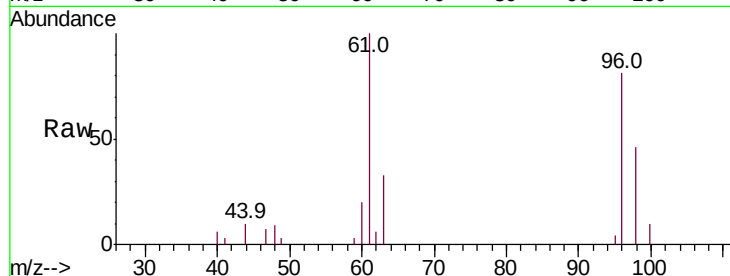


#27

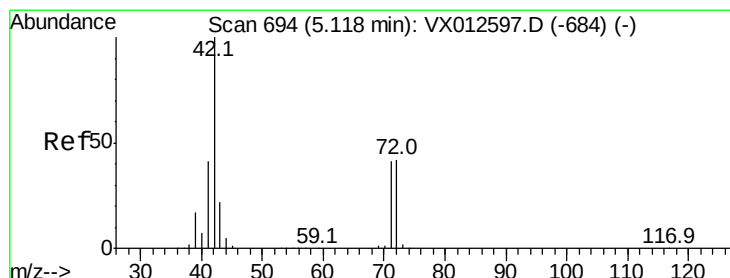
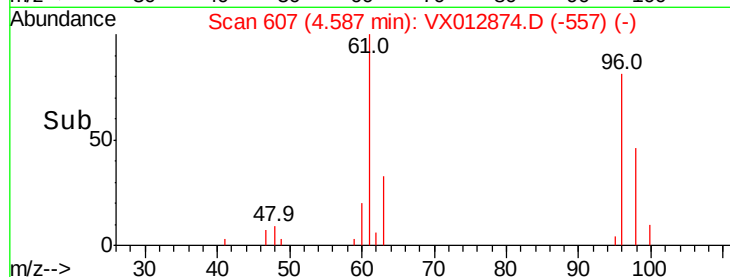
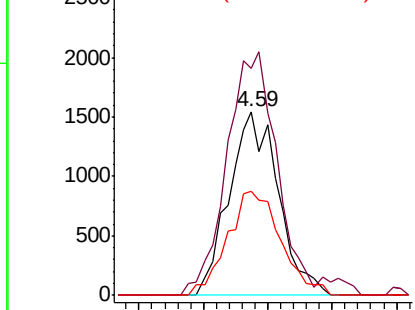
cis-1,2-Dichloroethene
Concen: 1.660 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 4103
Ion Ratio Lower Upper
96 100
61 134.2 0.0 319.4
98 61.4 0.0 130.6



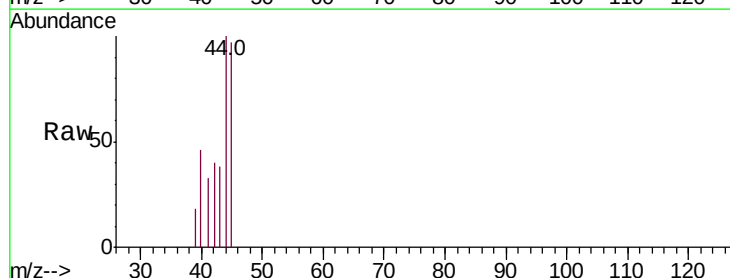
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



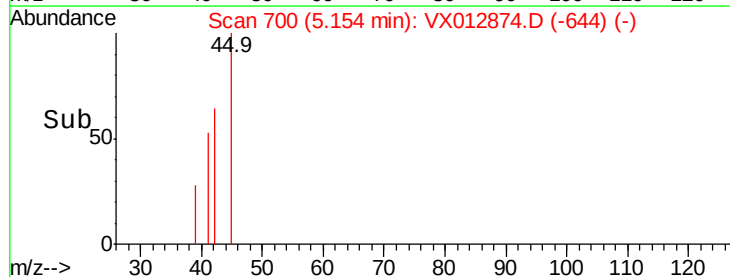
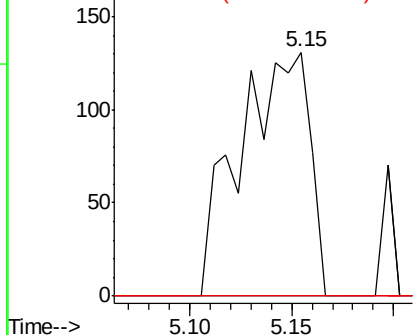
#29

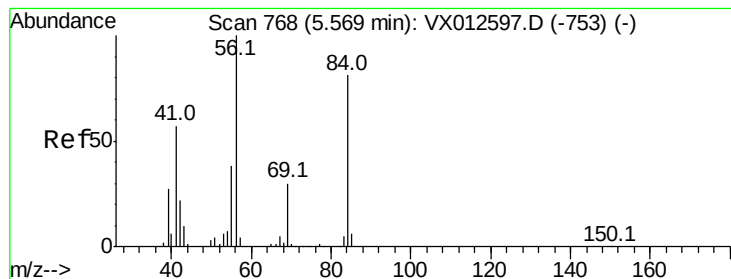
Tetrahydrofuran
Concen: 0.260 ug/l
RT: 5.15 min Scan# 700
Delta R.T. 0.04 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

Tgt Ion: 42 Resp: 314
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: 1.070 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

Instrument :
MSVOA_X
ClientSampleId :

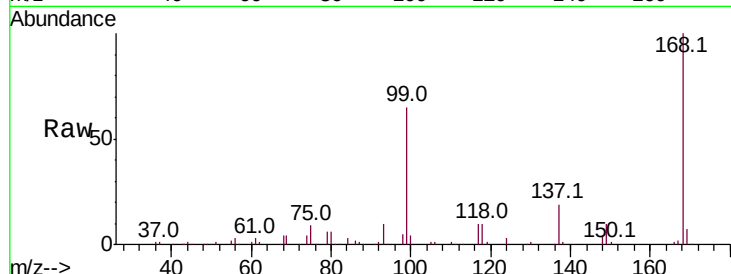
Tot Ion: 56 Resp: 3878

Ion Ratio Lower Upper

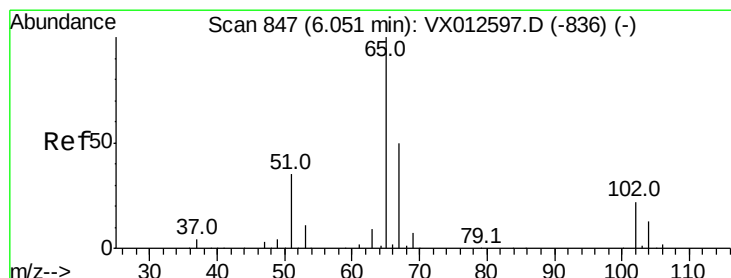
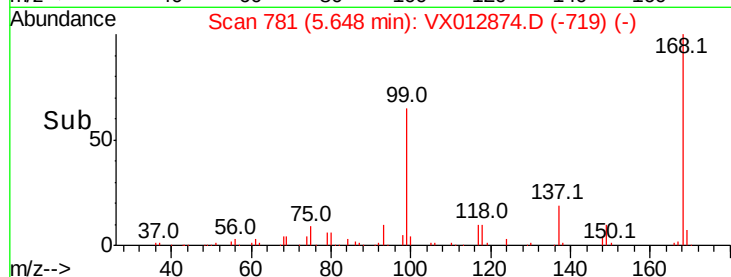
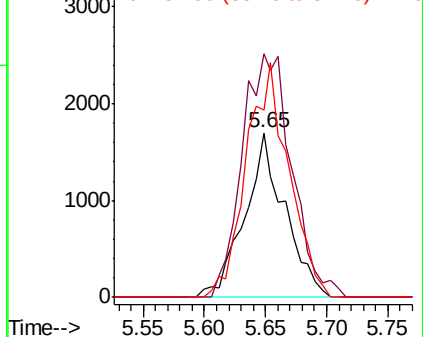
56 100

69 148.1 25.0 37.6#

84 114.1 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: 46.551 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012874.D

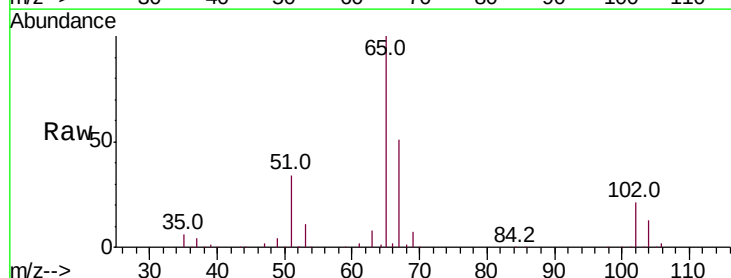
Acq: 08 Oct 2019 06:23

Tgt Ion: 65 Resp: 121219

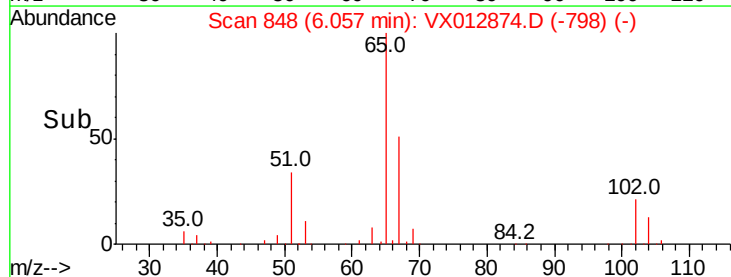
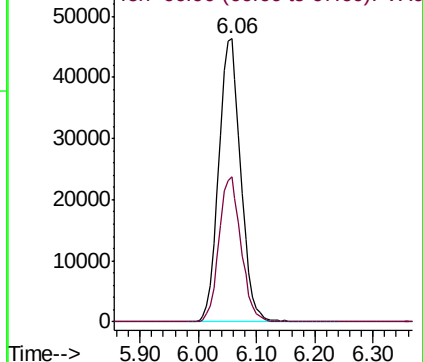
Ion Ratio Lower Upper

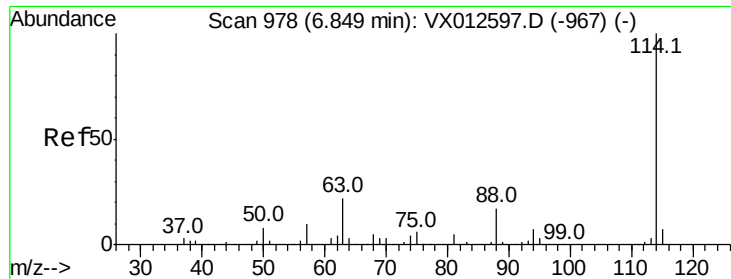
65 100

67 51.2 0.0 101.2



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

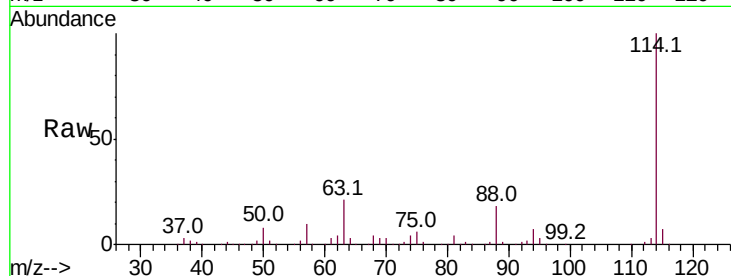




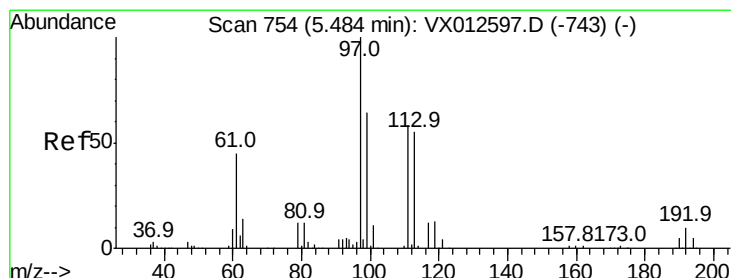
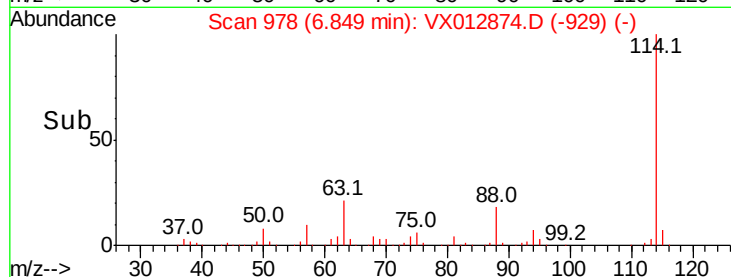
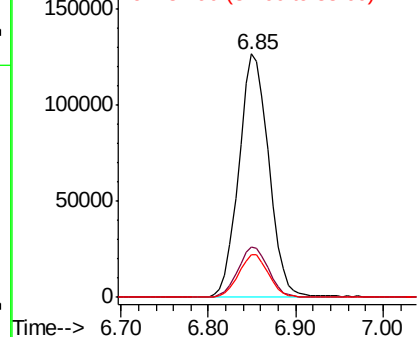
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012874.D
 Acq: 08 Oct 2019 06:23

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 300820
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 17.6 0.0 33.2

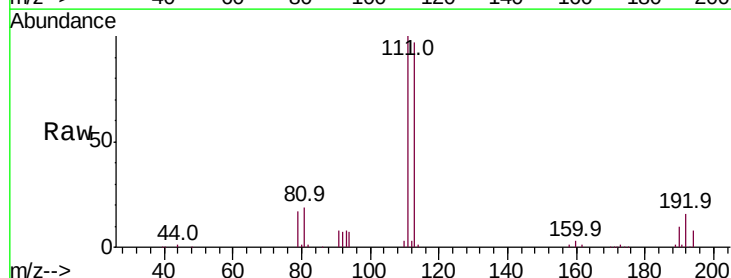


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

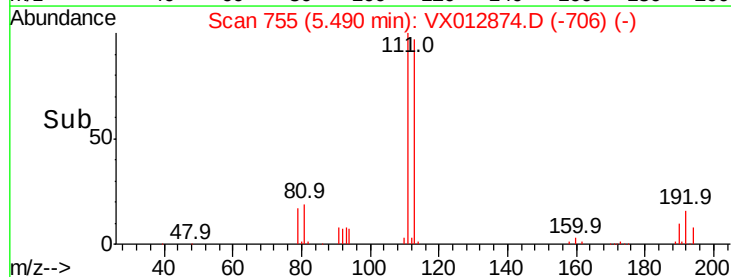
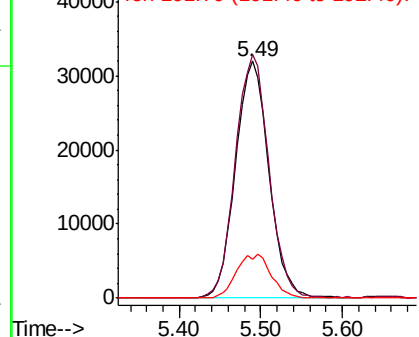


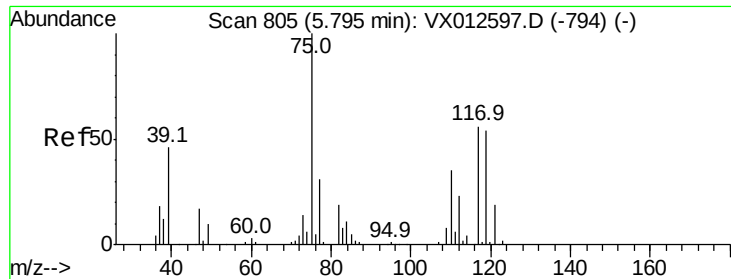
#35
 Dibromofluoromethane
 Concen: 50.528 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012874.D
 Acq: 08 Oct 2019 06:23

Tgt Ion:113 Resp: 90522
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 19.3 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

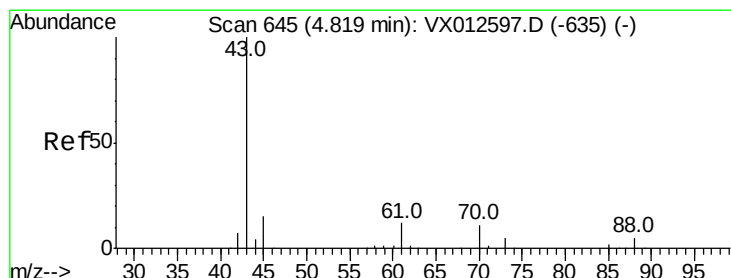
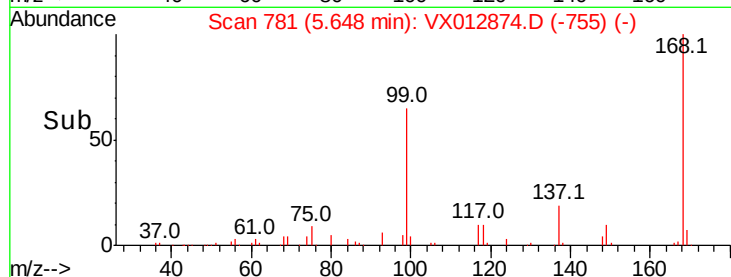
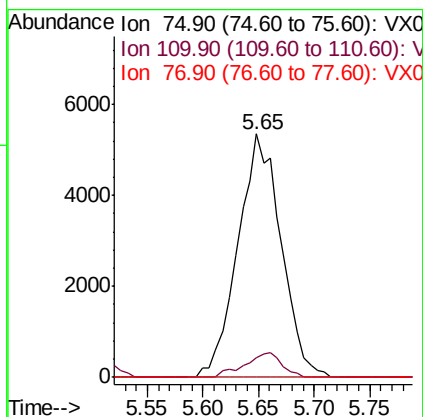
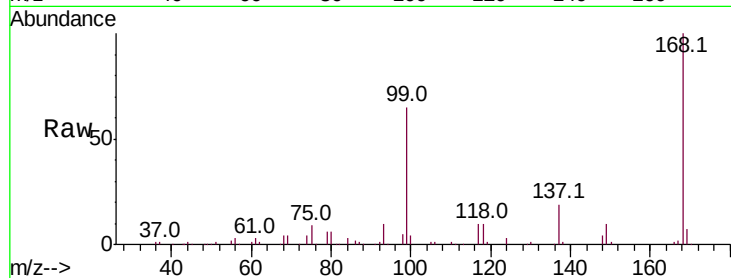




#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012874.D
 Acq: 08 Oct 2019 06:23

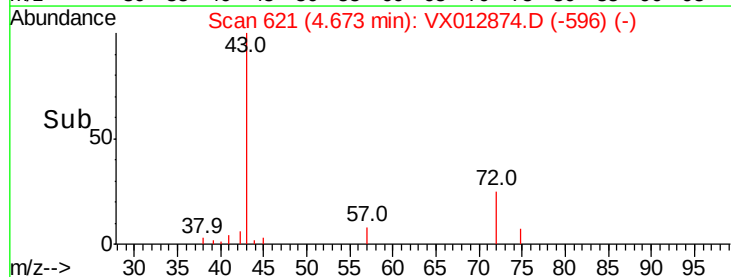
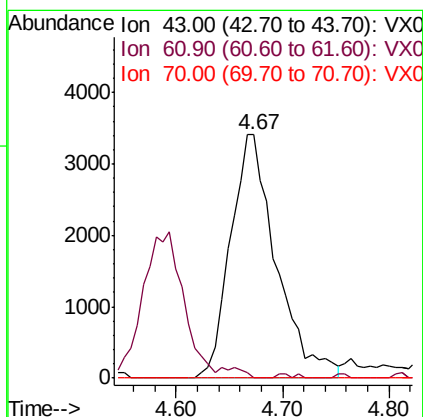
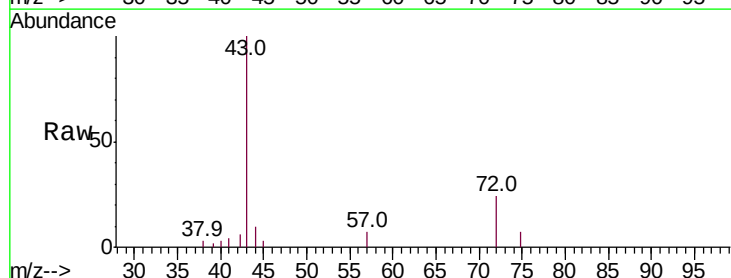
Instrument :
 MSVOA_X
 ClientSampled :

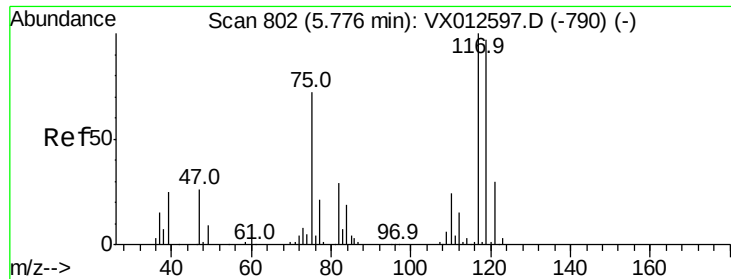
Tot Ion: 75 Resp: 14381
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.7 50.0#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 3.027 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. -0.15 min
 Lab File: VX012874.D
 Acq: 08 Oct 2019 06:23

Tgt Ion: 43 Resp: 10261
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

Instrument :

MSVOA_X

ClientSampleId :

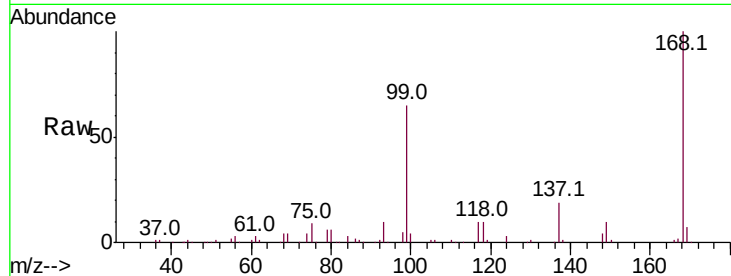
Tot Ion:117 Resp: 18600

Ion Ratio Lower Upper

117 100

119 5.6 75.7 113.5#

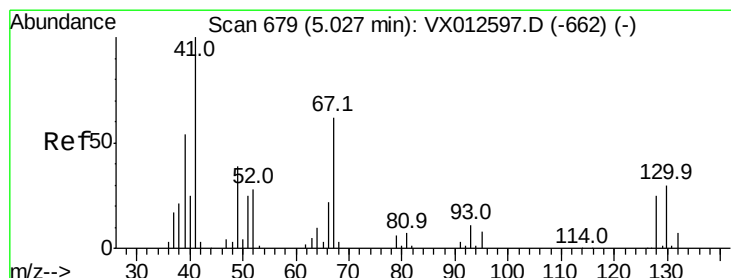
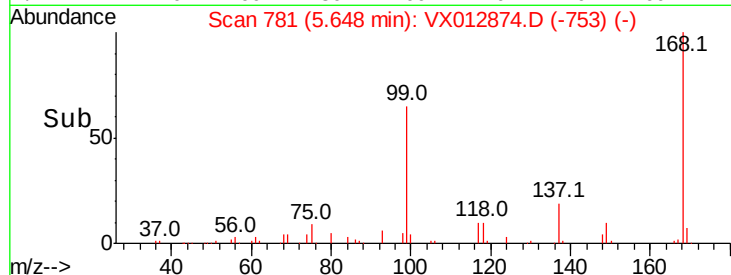
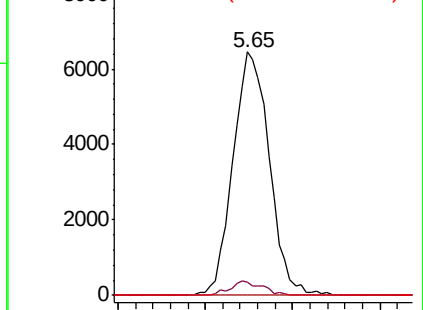
121 0.0 24.2 36.4#



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: 0.302 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.10 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

Tgt Ion: 41 Resp: 575

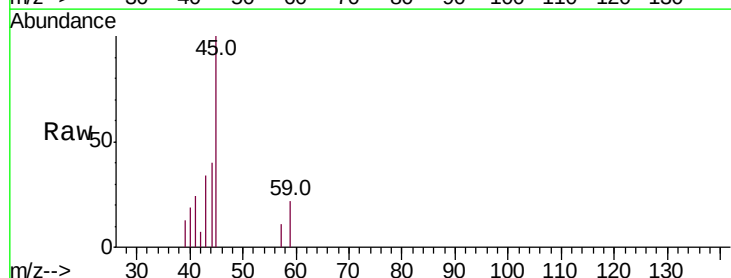
Ion Ratio Lower Upper

41 100

39 33.6 46.0 69.0#

67 0.0 52.2 78.2#

52 0.0 22.7 34.1#

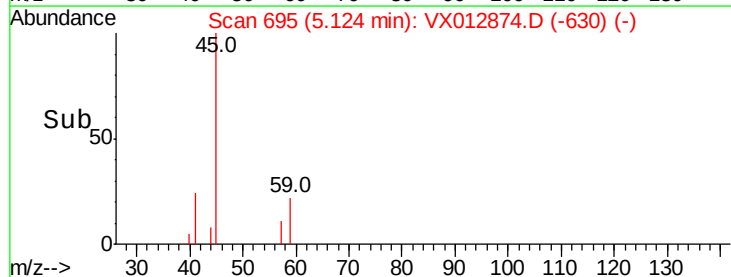
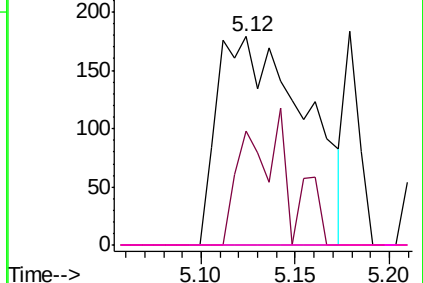


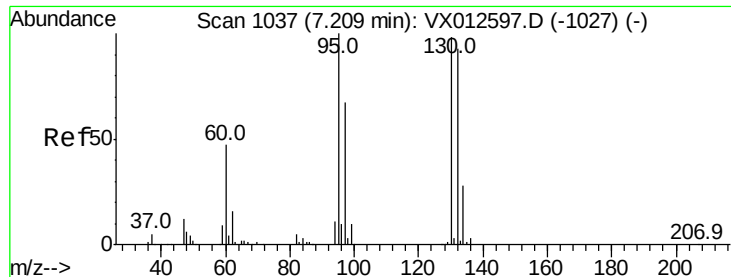
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 2.009 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

Instrument :

MSVOA_X

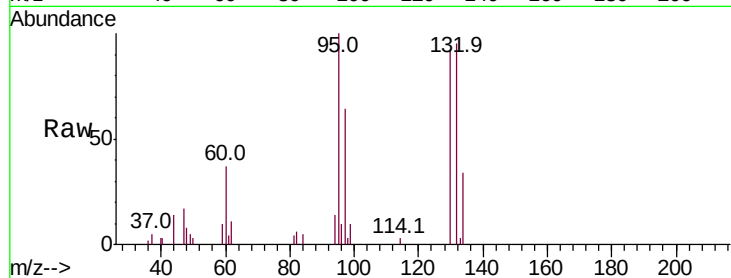
ClientSampleId :

Tot Ion:130 Resp: 4381

Ion Ratio Lower Upper

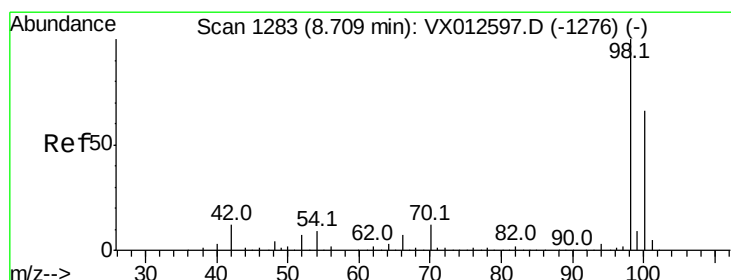
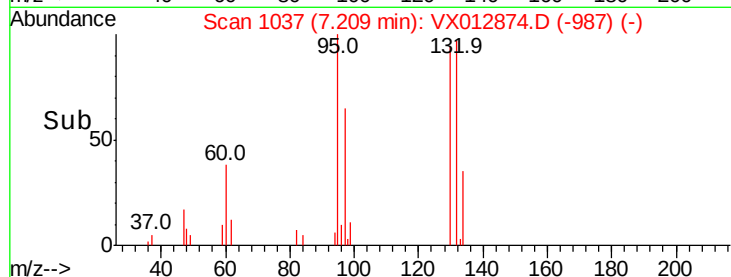
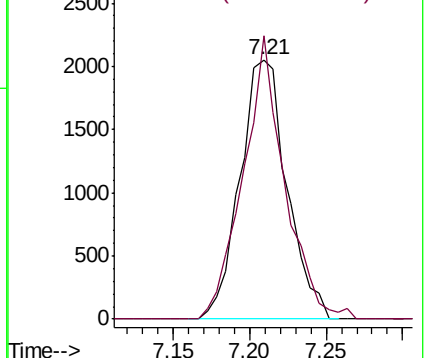
130 100

95 109.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.049 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012874.D

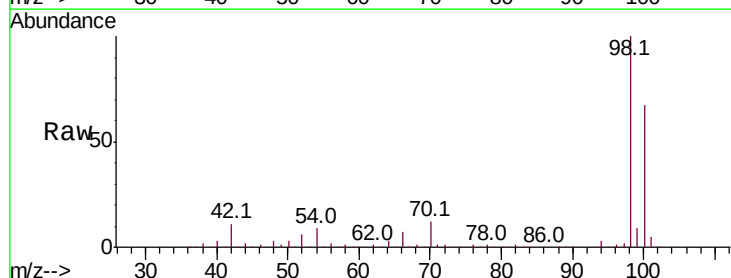
Acq: 08 Oct 2019 06:23

Tgt Ion: 98 Resp: 359096

Ion Ratio Lower Upper

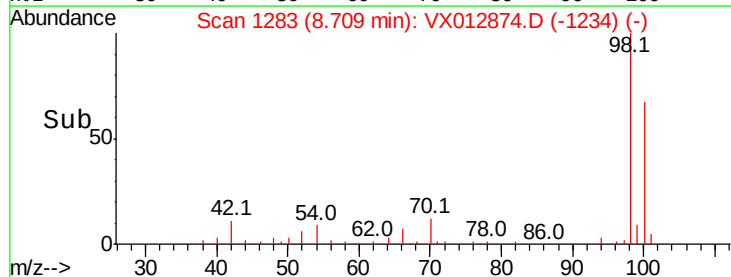
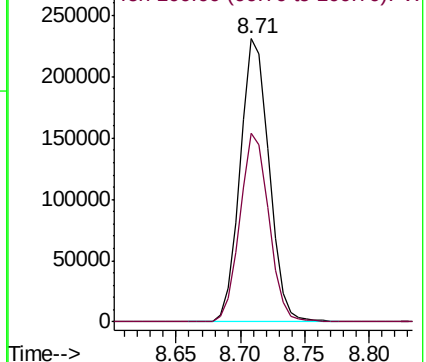
98 100

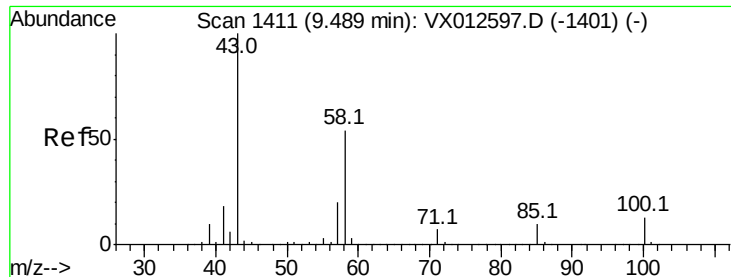
100 66.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

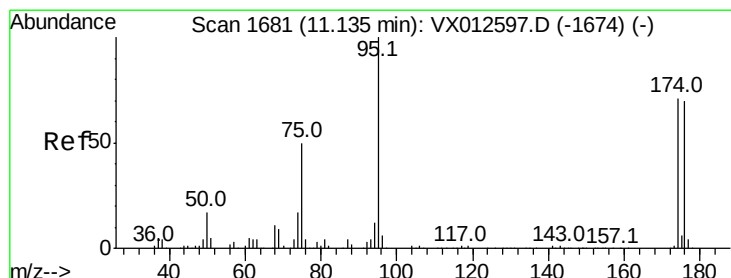
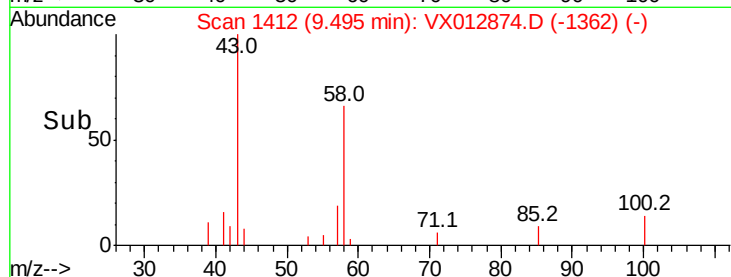
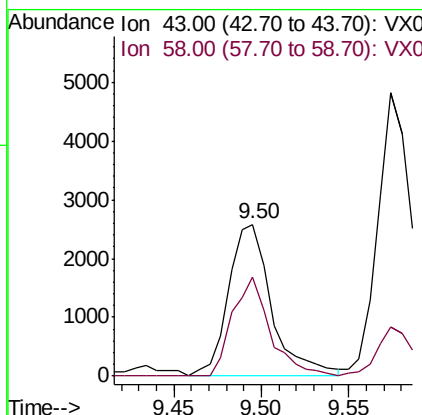
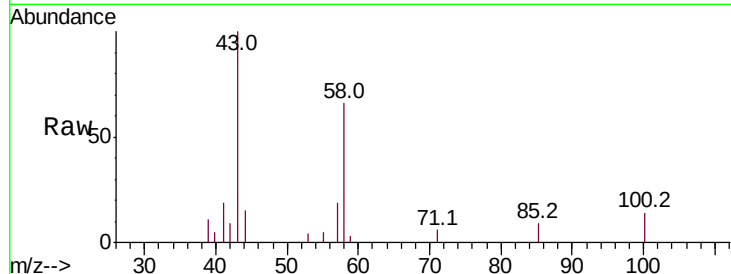




#59
2-Hexanone
Concen: 1.659 ug/l
RT: 9.50 min Scan# 1412
Delta R.T. 0.01 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

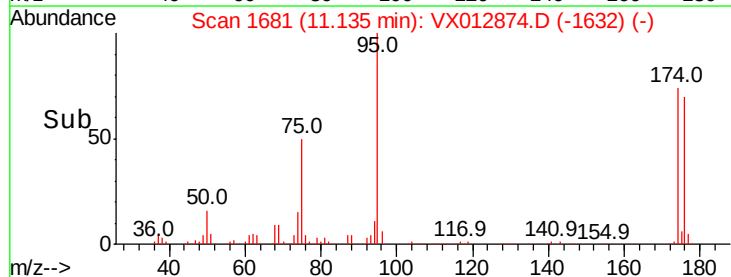
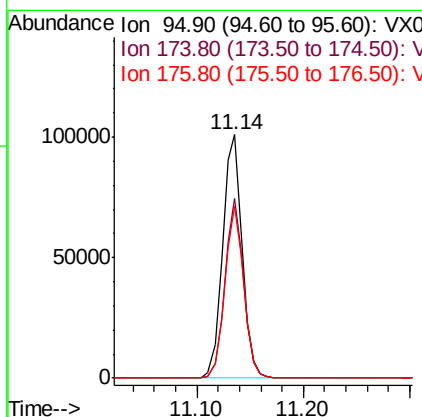
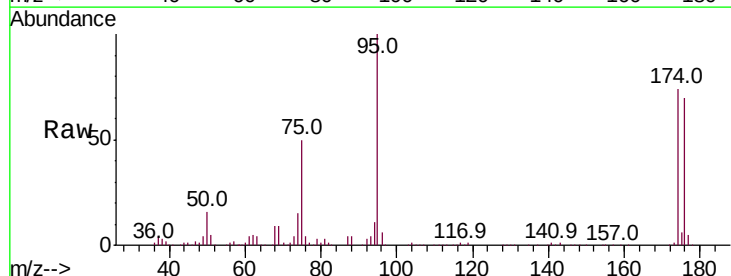
Instrument :
MSVOA_X
ClientSampled :

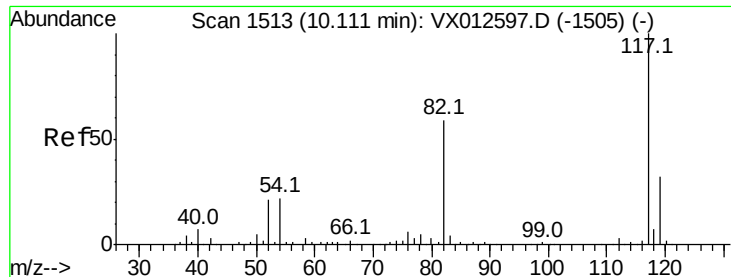
Tot Ion: 43 Resp: 4445
Ion Ratio Lower Upper
43 100
58 56.9 25.7 77.1



#62
4-Bromofluorobenzene
Concen: 47.395 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

Tgt Ion: 95 Resp: 128572
Ion Ratio Lower Upper
95 100
174 71.0 0.0 140.0
176 68.6 0.0 135.4

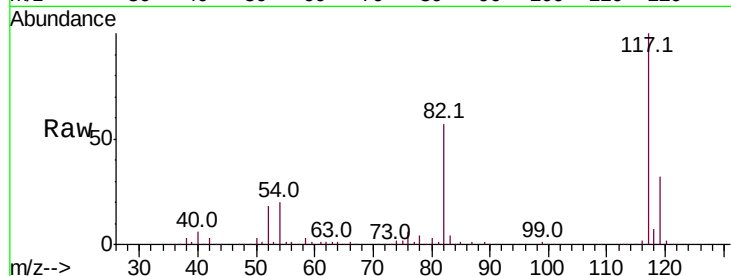




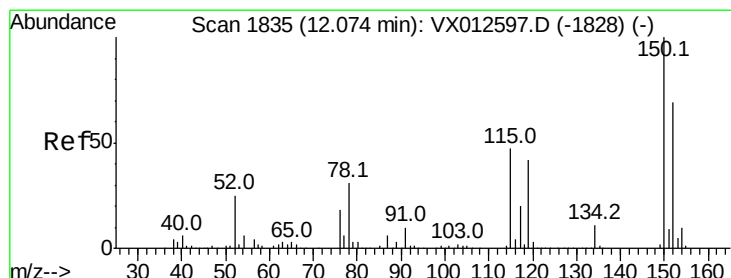
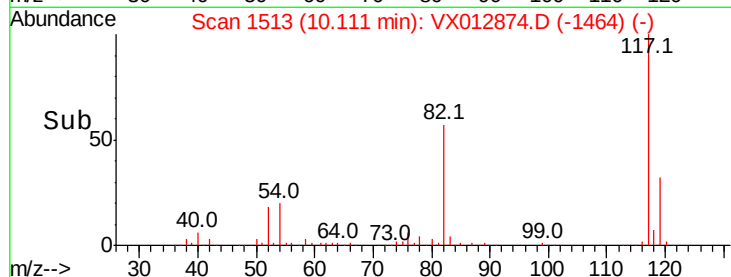
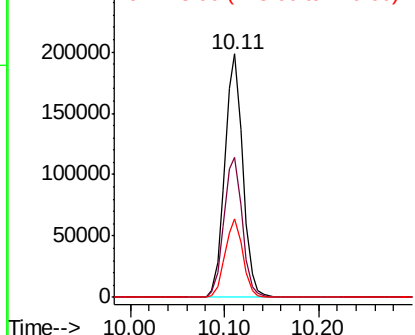
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 263330
Ion Ratio Lower Upper
117 100
82 57.4 45.9 68.9
119 32.4 25.3 37.9

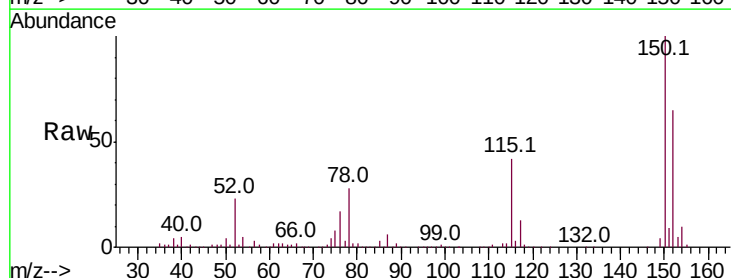


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

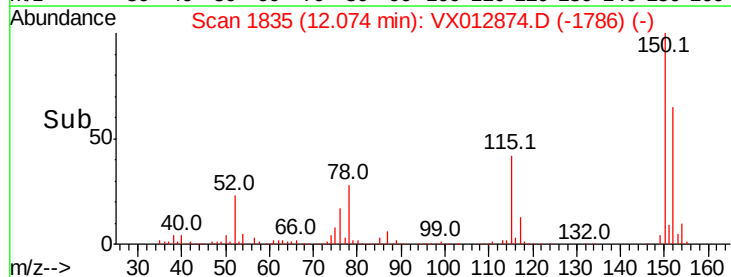
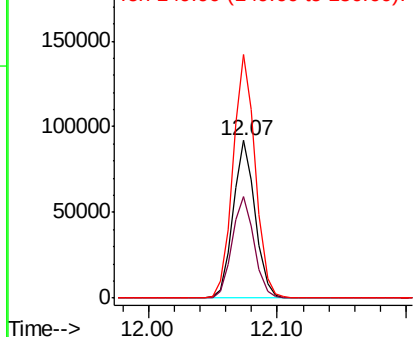


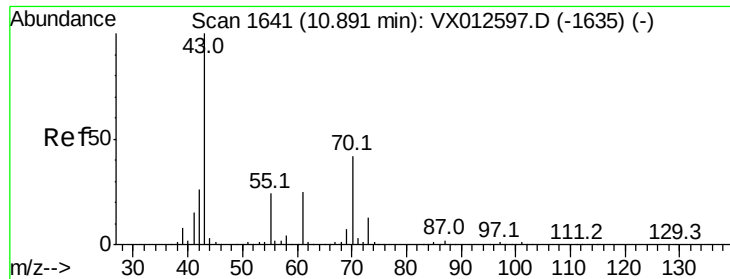
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012874.D
Acq: 08 Oct 2019 06:23

Tgt Ion:152 Resp: 109559
Ion Ratio Lower Upper
152 100
115 65.0 44.1 132.3
150 156.4 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





#74

N-amvl acetate

Concen: 0.218 ug/l

RT: 10.91 min Scan# 1644

Delta R.T. 0.02 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 928

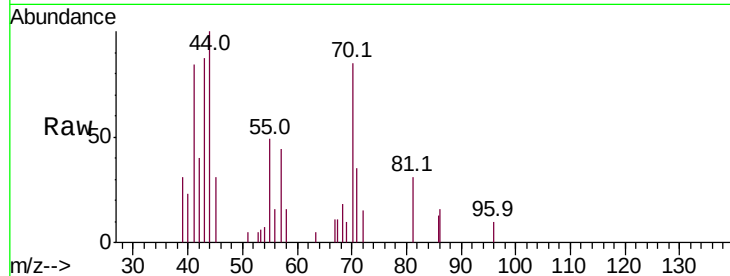
Ion Ratio Lower Upper

43 100

70 184.3 32.4 48.6#

55 248.3 18.2 27.4#

61 0.0 18.5 27.7#

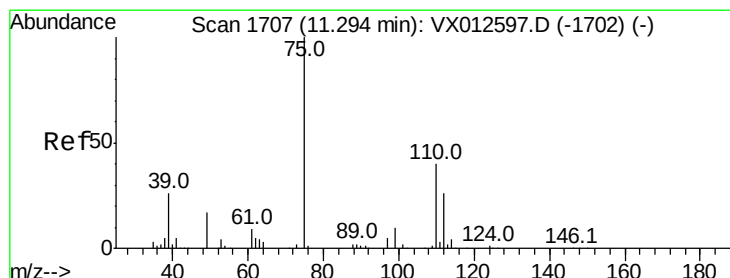
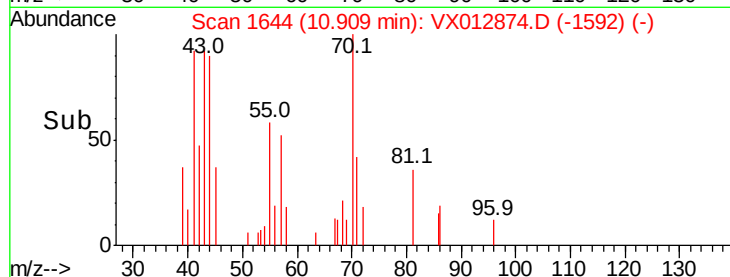
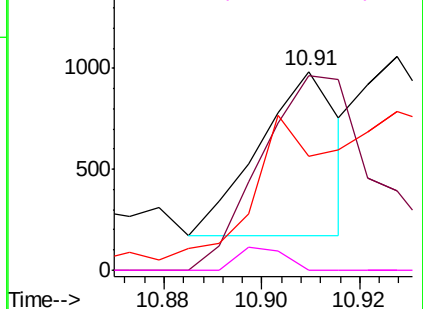


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 21.921 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012874.D

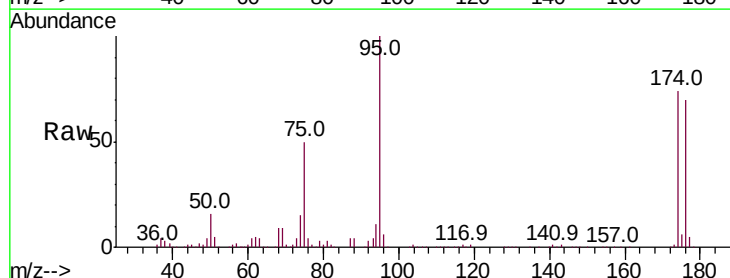
Acq: 08 Oct 2019 06:23

Tgt Ion: 75 Resp: 63530

Ion Ratio Lower Upper

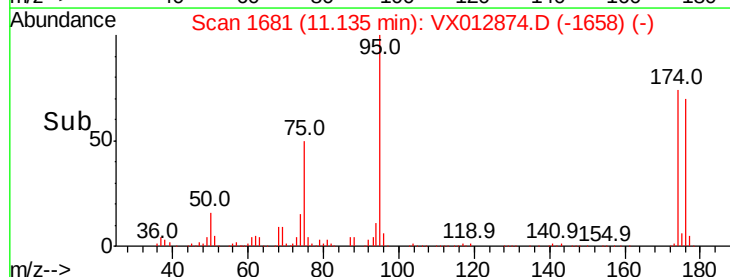
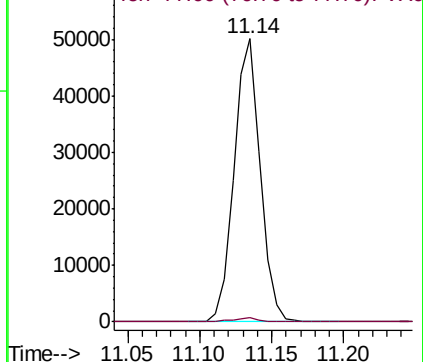
75 100

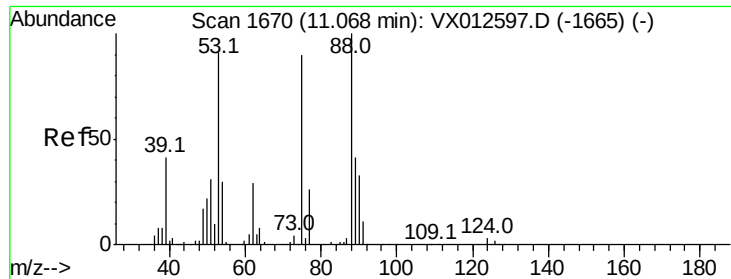
77 1.6 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.821 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012874.D

Acq: 08 Oct 2019 06:23

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 63530

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

