

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019306.D
 Acq On : 05 Nov 2020 12:18
 Operator : JC/MD
 Sample : L4612-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 01:07:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	276415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	493247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	463586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	200824	56.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.68%	
35) Dibromofluoromethane	5.46	113	155913	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
50) Toluene-d8	8.70	98	601850	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.12	95	230031	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	

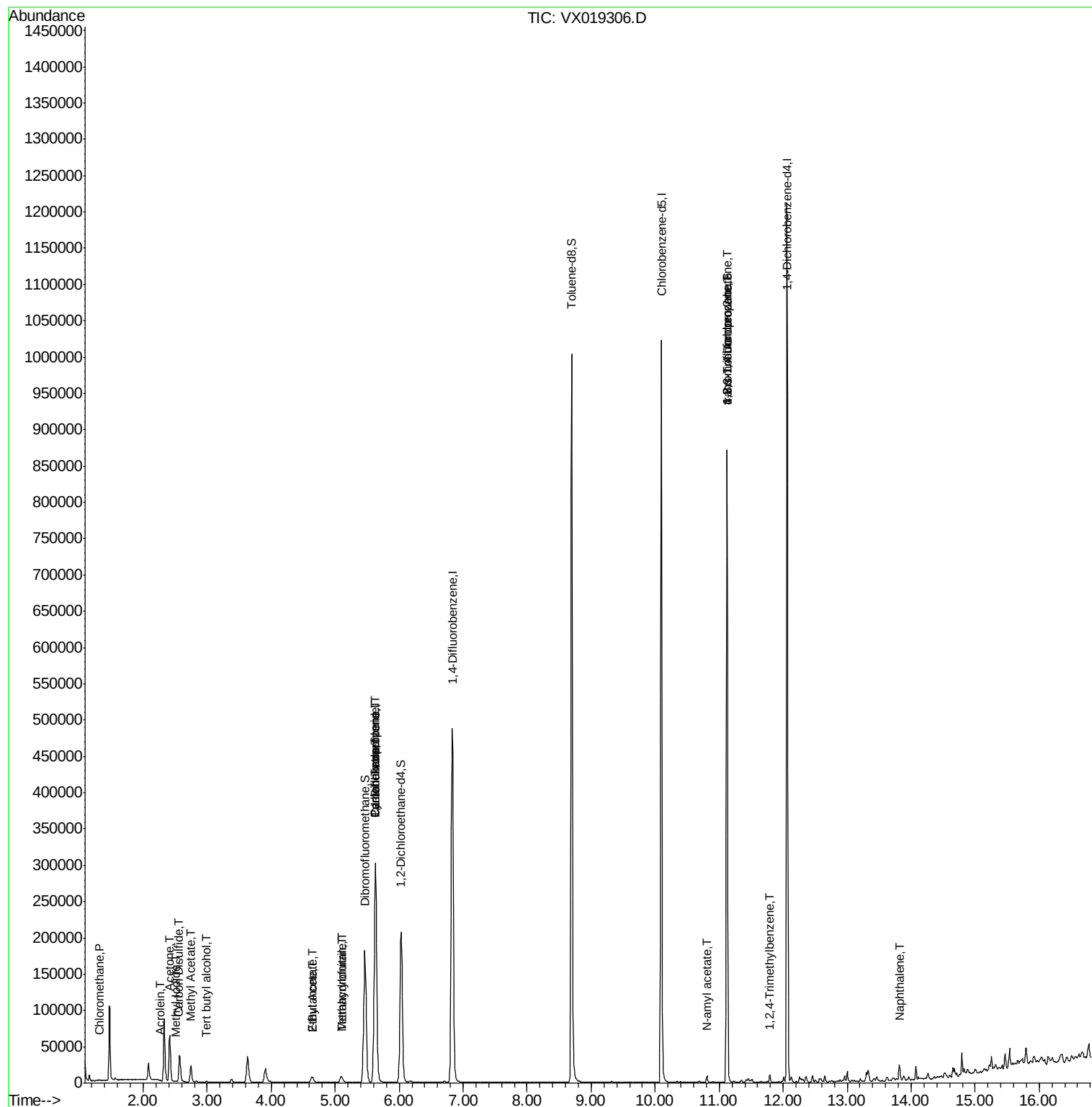
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	619	0.240	ug/l #	73
10) Methyl Iodide	2.50	142	333	6.473	ug/l #	78
11) Tert butyl alcohol	2.99	59	993	1.410	ug/l #	72
13) Acrolein	2.27	56	1350	9.839	ug/l	99
16) Acetone	2.42	43	66350	53.953	ug/l	97
17) Carbon Disulfide	2.56	76	967	0.885	ug/l #	75
18) Methyl Acetate	2.75	43	26368	8.817	ug/l	97
25) 2-Butanone	4.65	43	9372	4.836	ug/l	92
29) Tetrahydrofuran	5.10	42	8263	6.765	ug/l	92
31) Cyclohexane	5.63	56	6321	1.403	ug/l #	5
36) 1,1-Dichloropropene	5.63	75	23020	5.054	ug/l #	49
37) Ethyl Acetate	4.65	43	9372	2.216	ug/l #	65
38) Carbon Tetrachloride	5.64	117	28834	6.211	ug/l #	16
41) Methacrylonitrile	5.10	41	4841	2.126	ug/l #	43
74) N-amyl acetate	10.80	43	5291	0.894	ug/l #	43
76) 1,2,3-Trichloropropane	11.12	75	119539	25.311	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	119539	66.643	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	4606	0.334	ug/l	98
95) Naphthalene	13.82	128	12684	0.746	ug/l	99

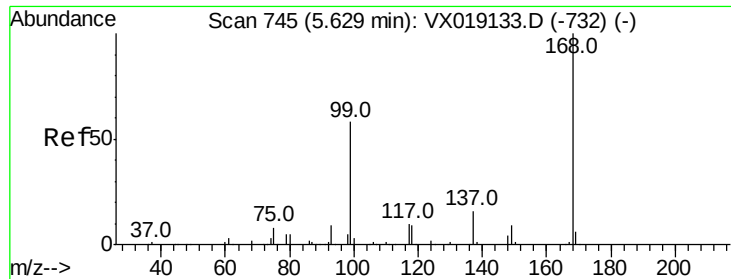
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

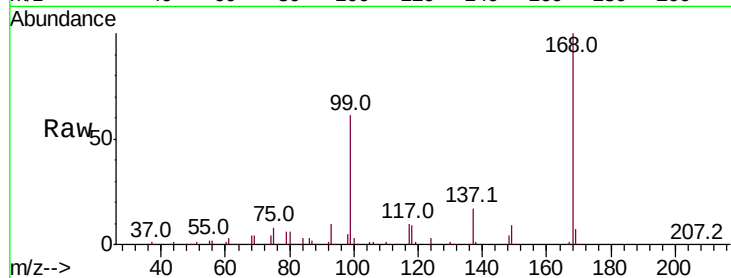
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 276415

Ion Ratio Lower Upper

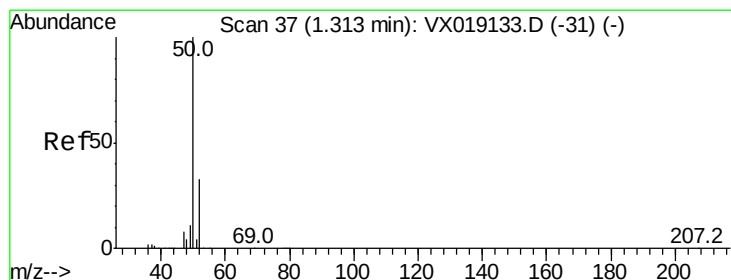
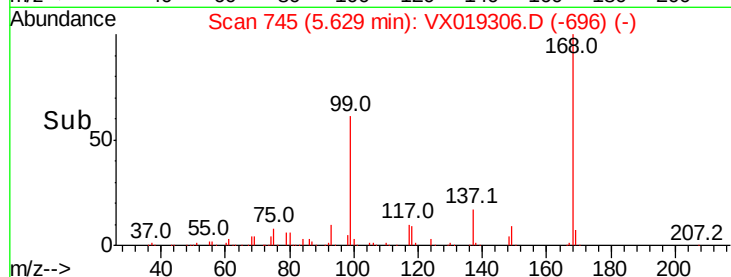
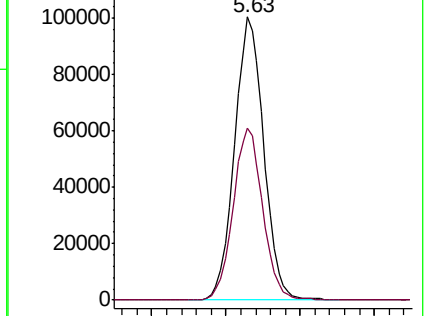
168 100

99 61.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.240 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019306.D

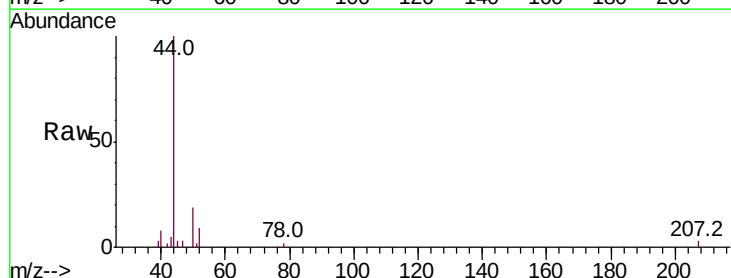
Acq: 05 Nov 2020 12:18

Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

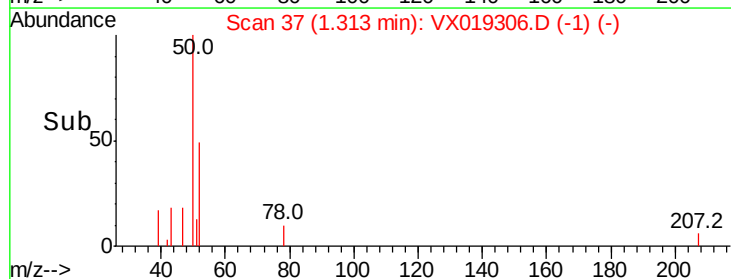
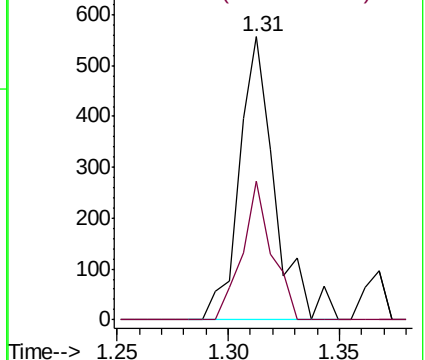
50 100

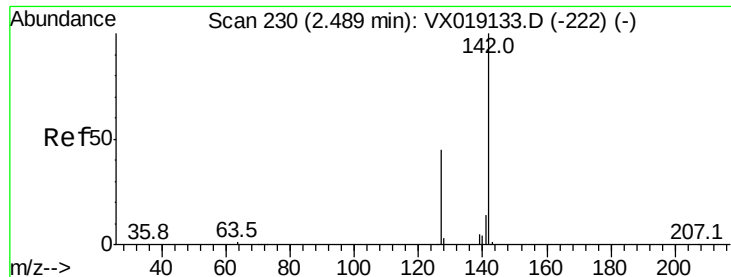
52 48.8 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

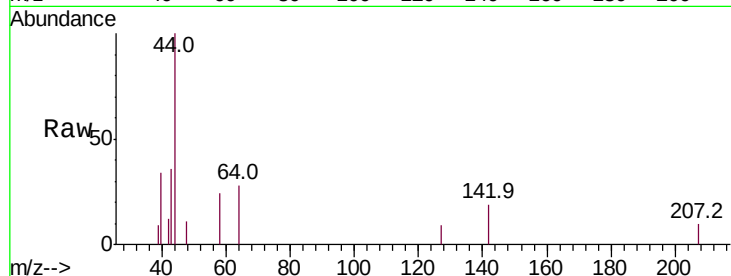




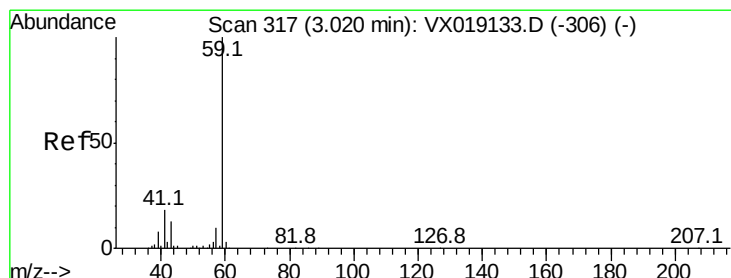
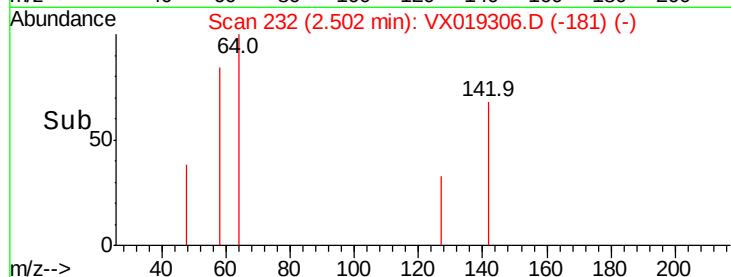
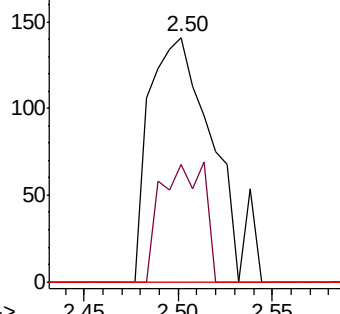
#10
Methvl Iodide
Concen: 6.473 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 333
Ion Ratio Lower Upper
142 100
127 33.0 36.1 54.1#
141 0.0 11.3 16.9#

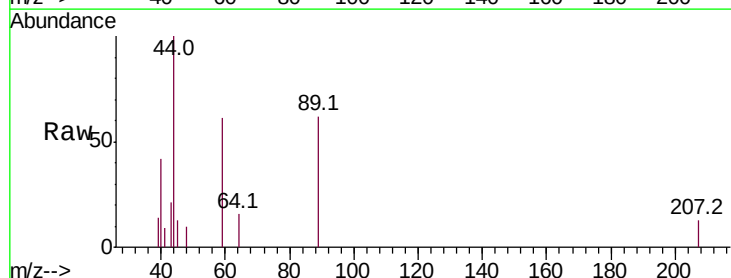


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

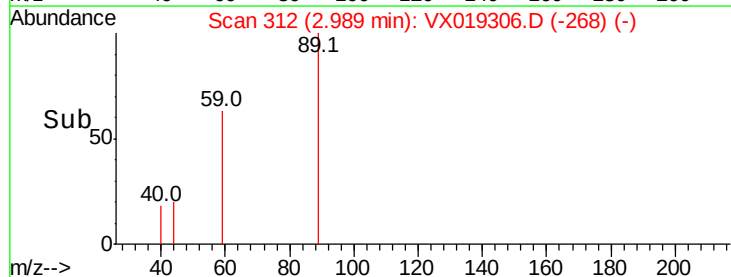
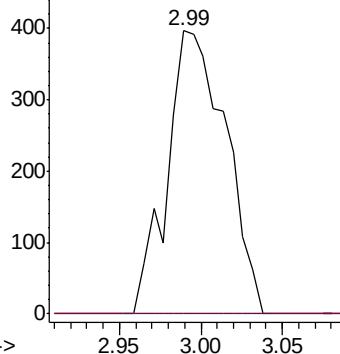


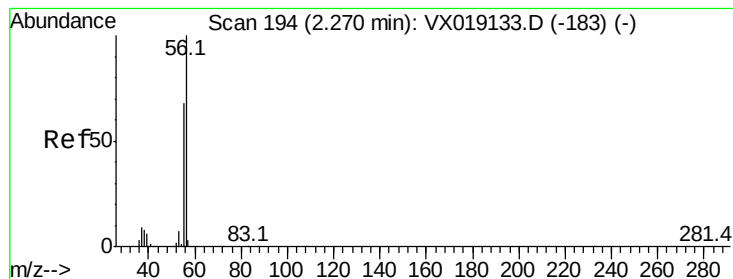
#11
Tert butyl alcohol
Concen: 1.410 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Tgt Ion: 59 Resp: 993
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



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





#13

Acrolein

Concen: 9.839 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

Instrument :

MSVOA_X

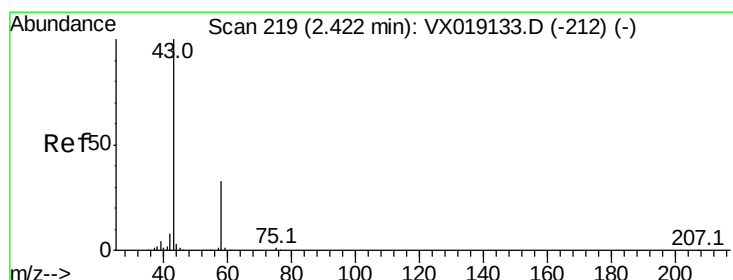
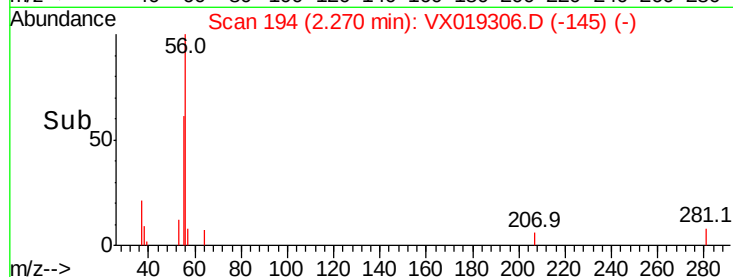
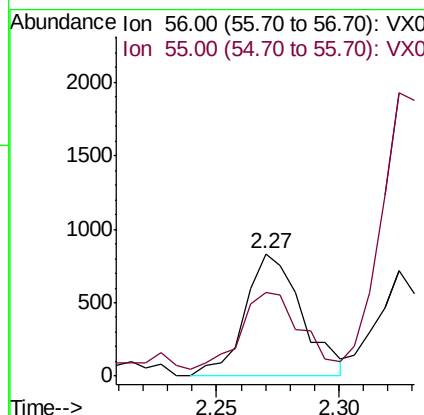
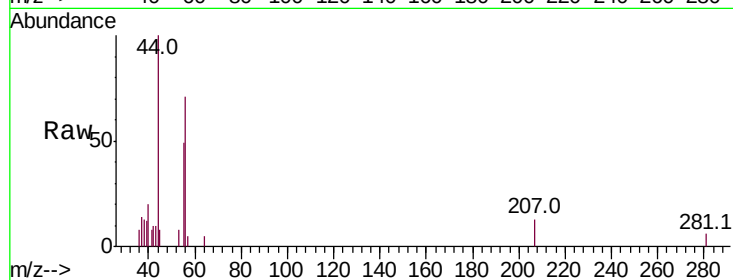
ClientSampled :

Tot Ion: 56 Resp: 1350

Ion Ratio Lower Upper

56 100

55 67.5 54.7 82.1



#16

Acetone

Concen: 53.953 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019306.D

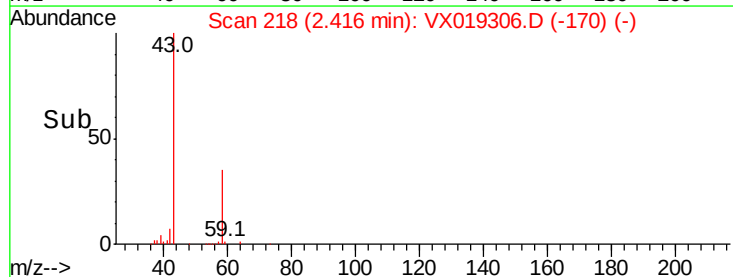
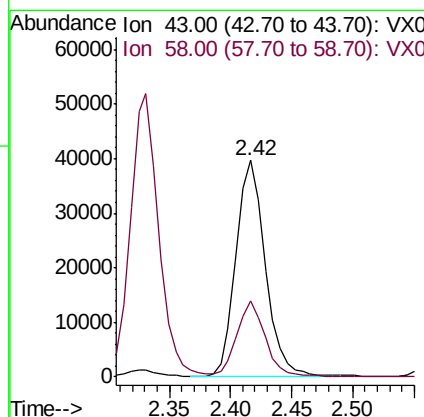
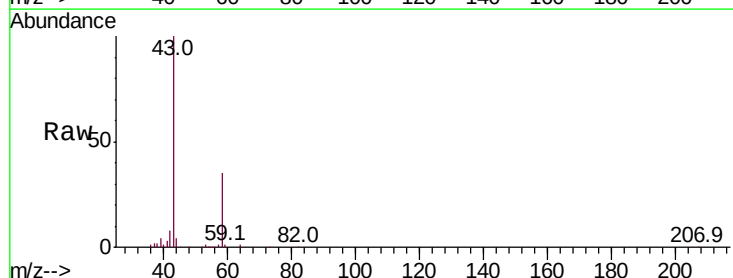
Acq: 05 Nov 2020 12:18

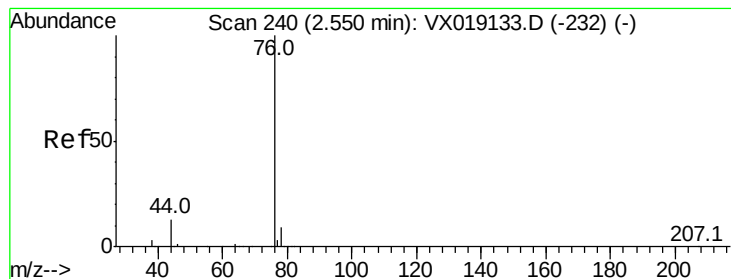
Tgt Ion: 43 Resp: 66350

Ion Ratio Lower Upper

43 100

58 34.7 26.3 39.5





#17

Carbon Disulfide

Concen: 0.885 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

Instrument :

MSVOA_X

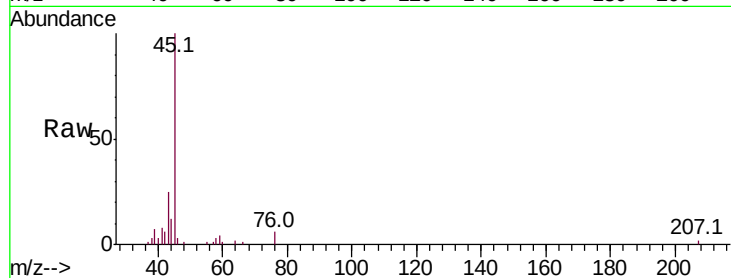
ClientSampleId :

Tot Ion: 76 Resp: 967

Ion Ratio Lower Upper

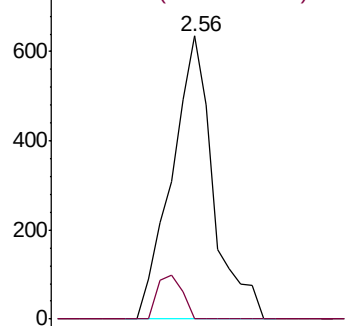
76 100

78 0.0 7.3 10.9#

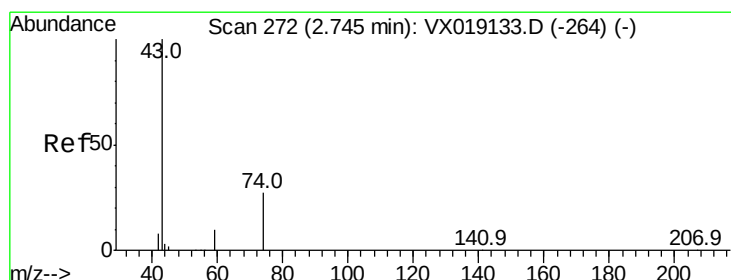
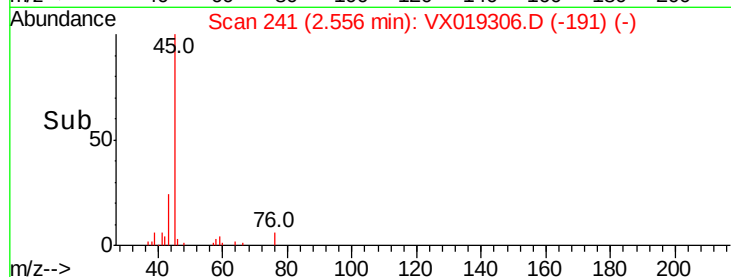


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 8.817 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019306.D

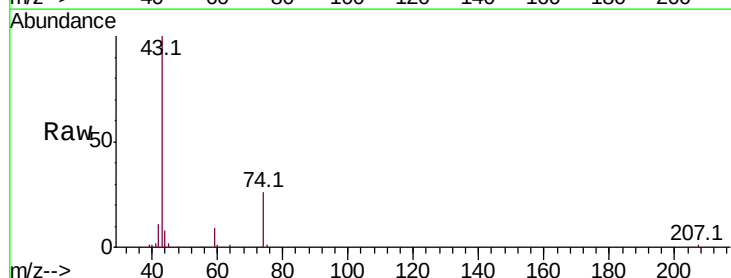
Acq: 05 Nov 2020 12:18

Tgt Ion: 43 Resp: 26368

Ion Ratio Lower Upper

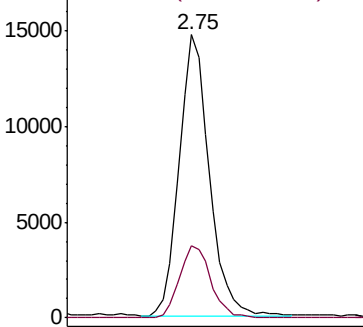
43 100

74 26.7 22.6 33.8

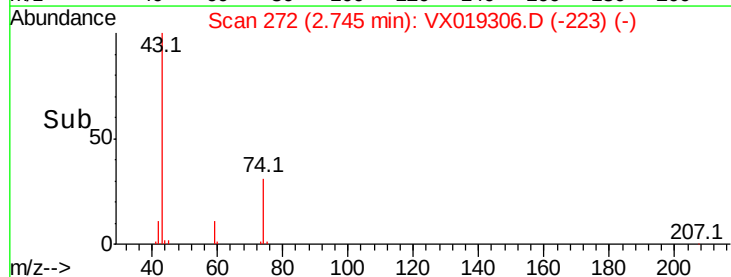


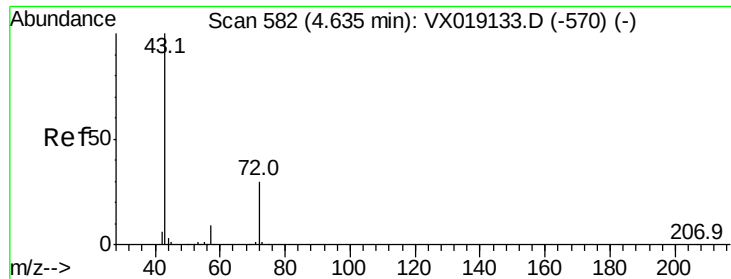
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





#25

2-Butanone

Concen: 4.836 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

Instrument :

MSVOA_X

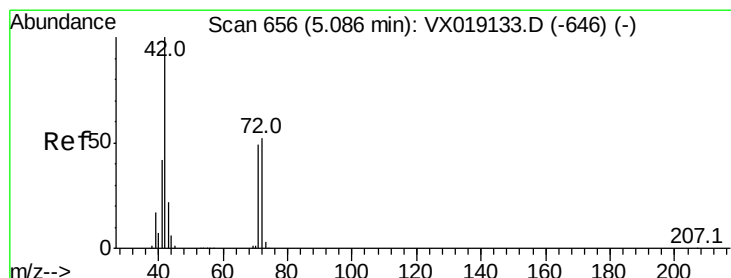
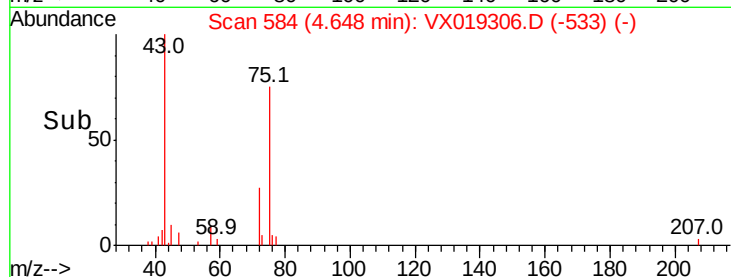
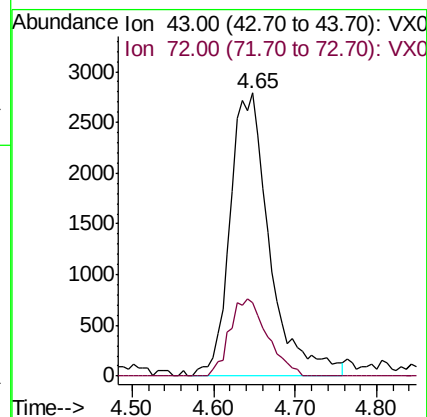
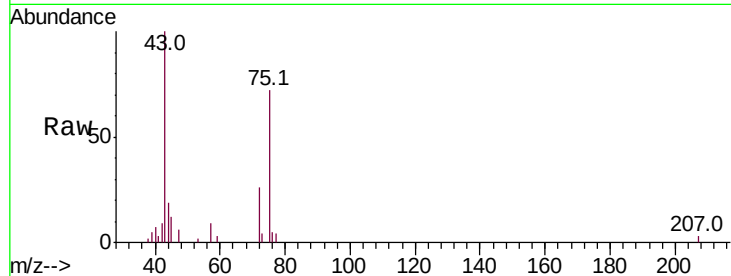
ClientSampled :

Tot Ion: 43 Resp: 9372

Ion Ratio Lower Upper

43 100

72 26.1 24.6 36.8



#29

Tetrahydrofuran

Concen: 6.765 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

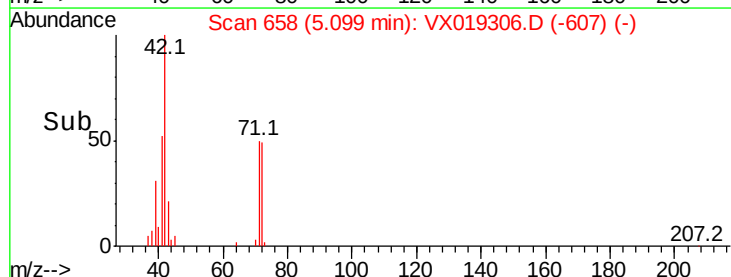
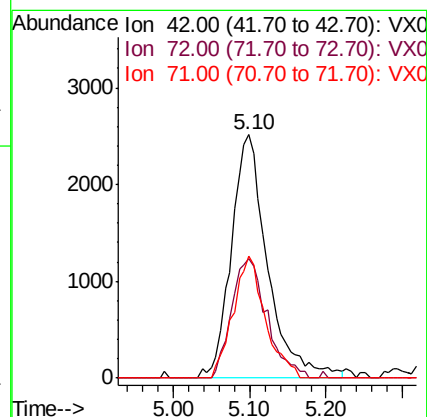
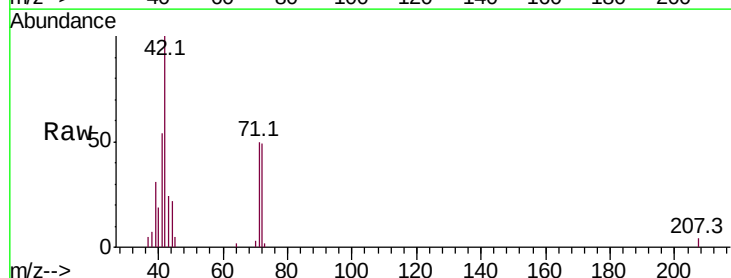
Tgt Ion: 42 Resp: 8263

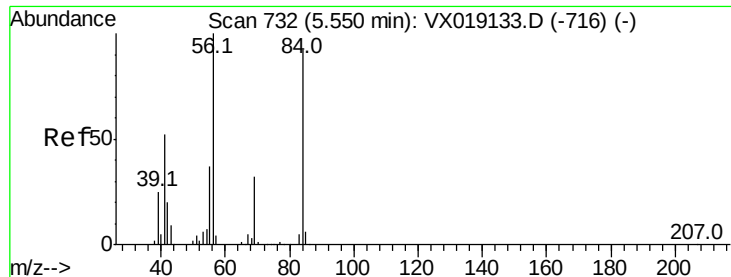
Ion Ratio Lower Upper

42 100

72 48.0 42.6 63.8

71 44.2 39.7 59.5

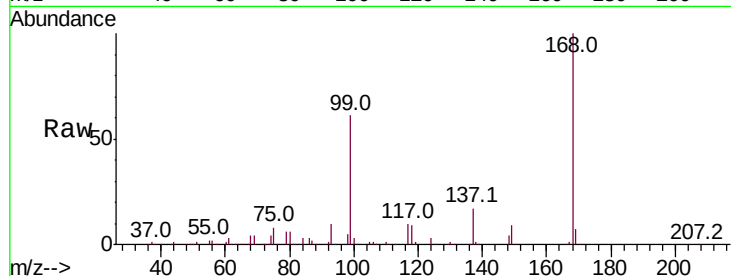




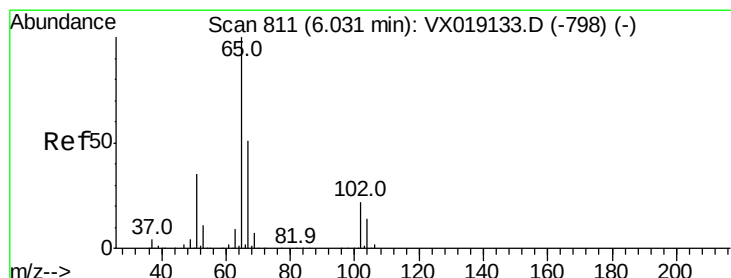
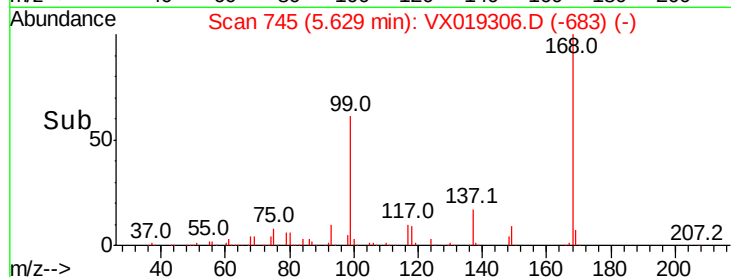
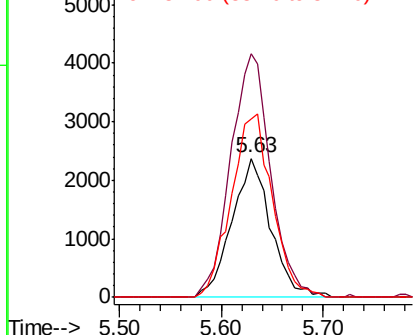
#31
Cyclohexane
Concen: 1.403 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 6321
Ion Ratio Lower Upper
56 100
69 175.4 25.9 38.9#
84 128.2 73.4 110.2#

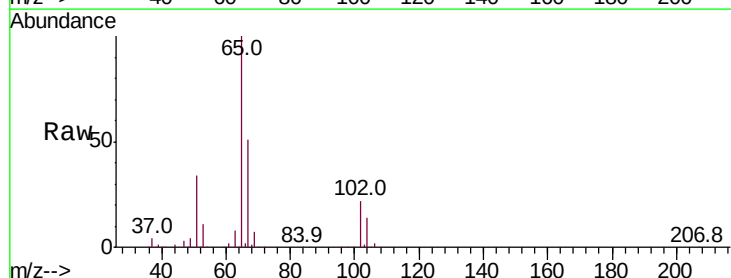


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

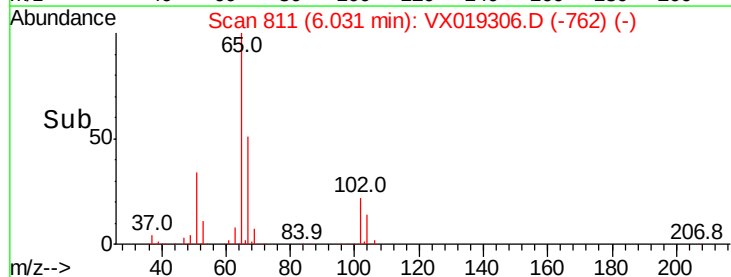
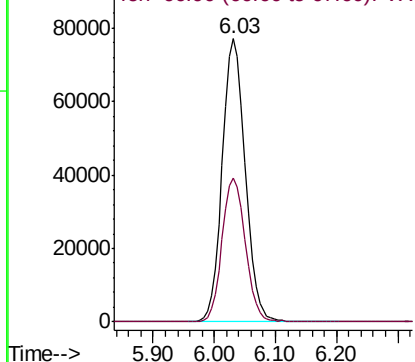


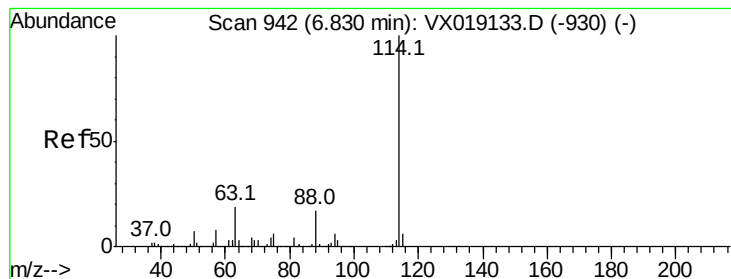
#33
1,2-Dichloroethane-d4
Concen: 56.337 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Tgt Ion: 65 Resp: 200824
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

Instrument :

MSVOA_X

ClientSampled :

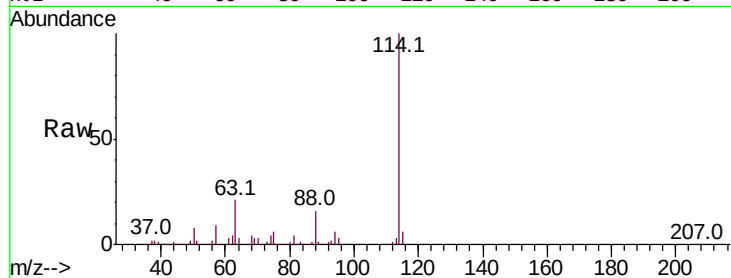
Tot Ion:114 Resp: 493247

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.8

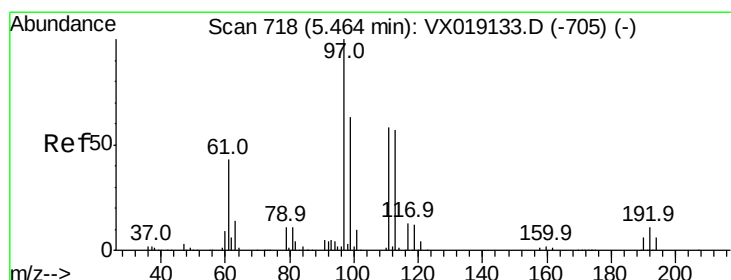
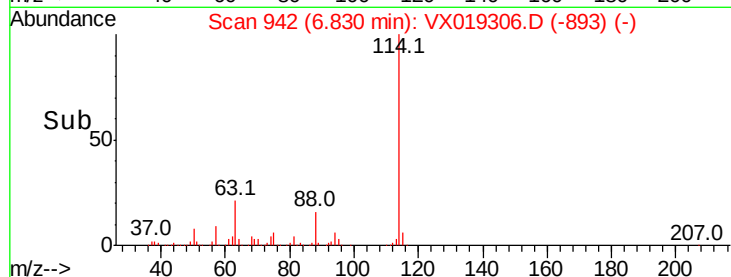
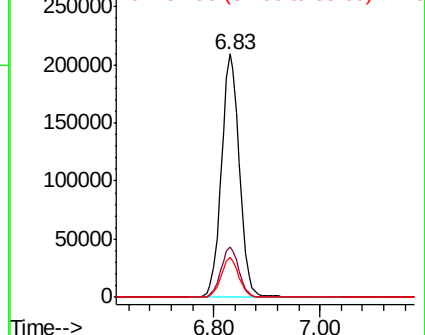
88 16.3 0.0 34.2



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: 50.323 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

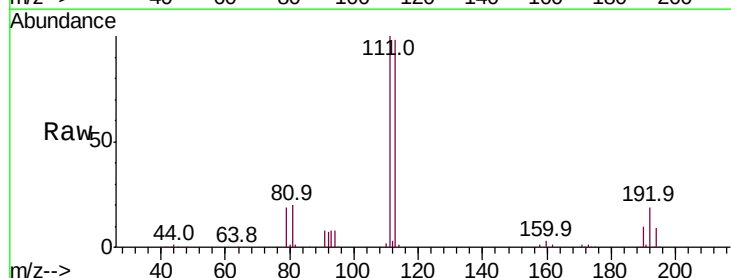
Tgt Ion:113 Resp: 155913

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

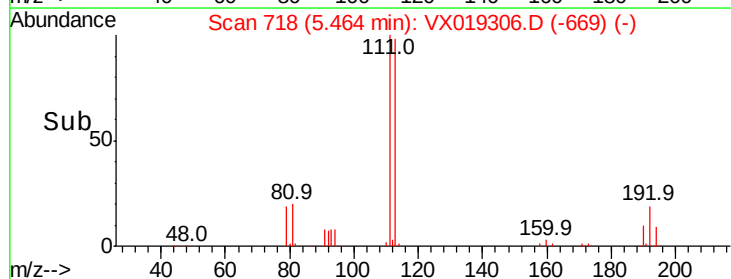
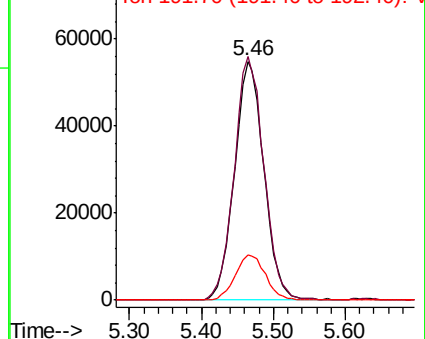
192 19.3 16.2 24.2

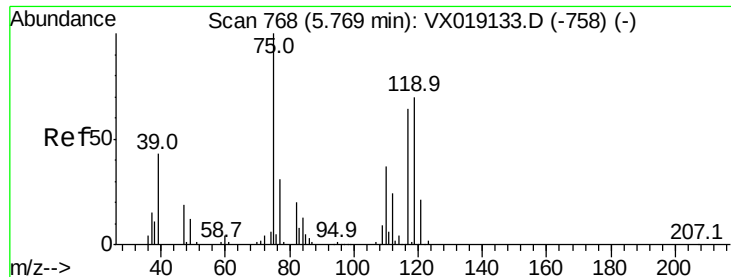


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

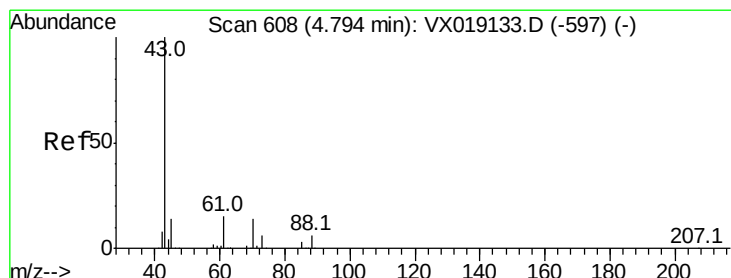
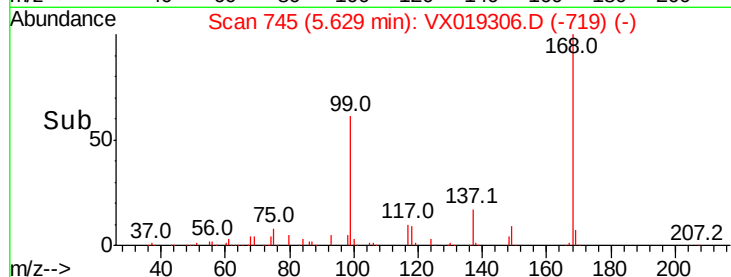
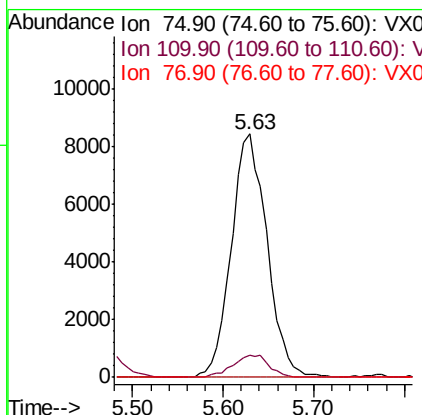
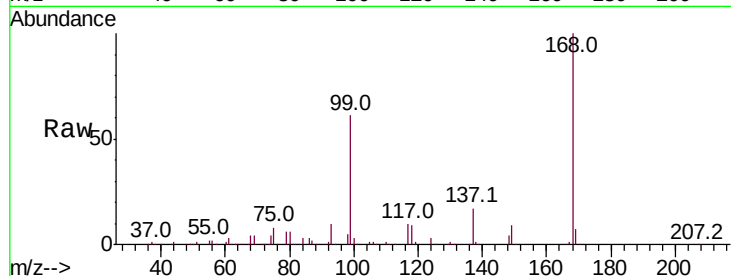




#36
 1,1-Dichloropropene
 Concen: 5.054 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019306.D
 Acq: 05 Nov 2020 12:18

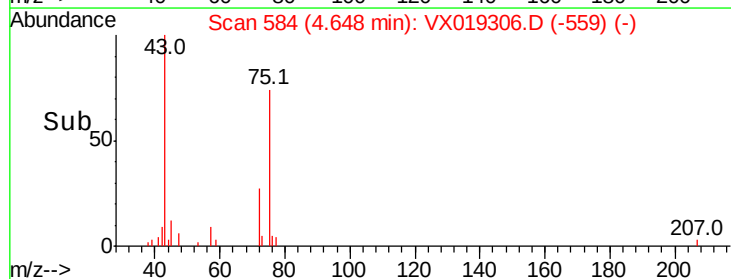
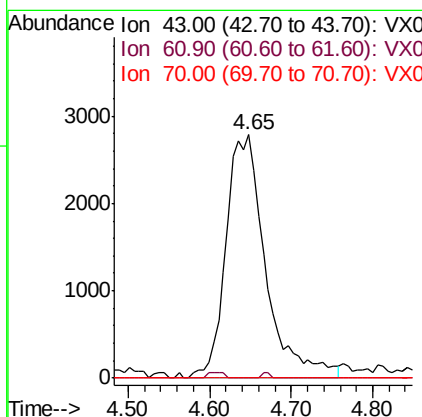
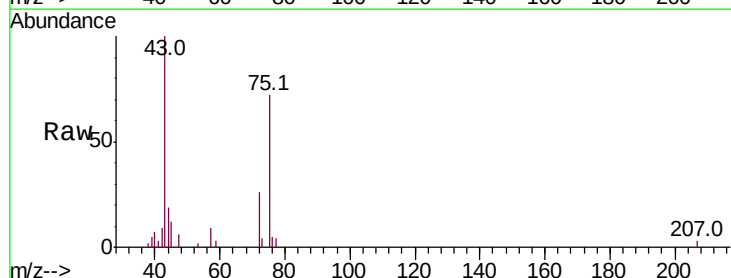
Instrument :
 MSVOA_X
 ClientSampled :

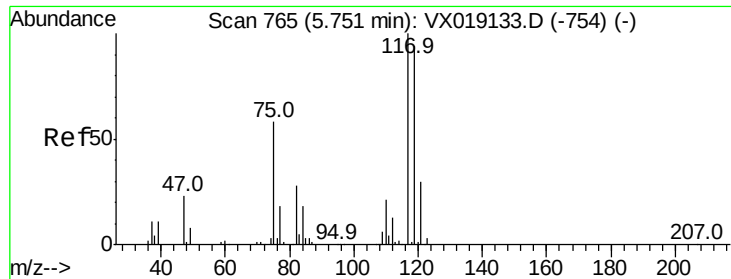
Tot Ion: 75 Resp: 23020
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.3 54.9#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 2.216 ug/l
 RT: 4.65 min Scan# 584
 Delta R.T. -0.15 min
 Lab File: VX019306.D
 Acq: 05 Nov 2020 12:18

Tgt Ion: 43 Resp: 9372
 Ion Ratio Lower Upper
 43 100
 61 0.5 12.5 18.7#
 70 0.0 10.5 15.7#





#38

Carbon Tetrachloride

Concen: 6.211 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

Instrument :

MSVOA_X

ClientSampled :

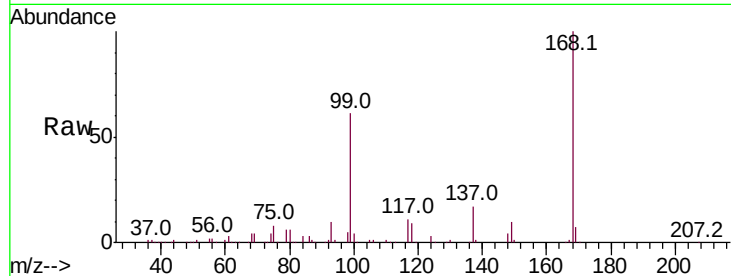
Tot Ion:117 Resp: 28834

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

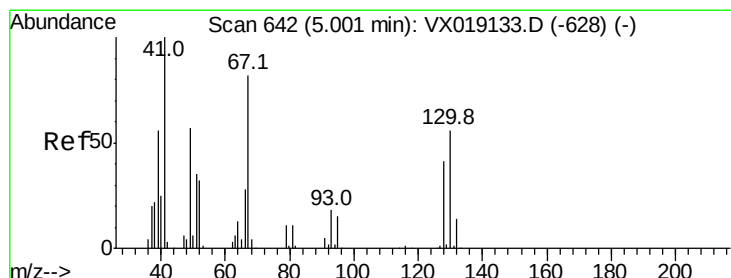
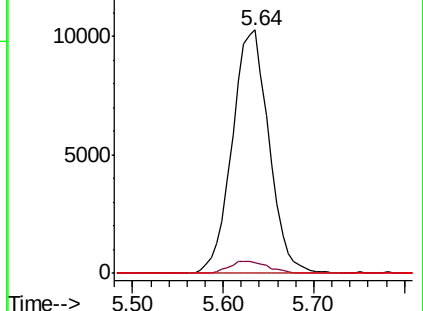
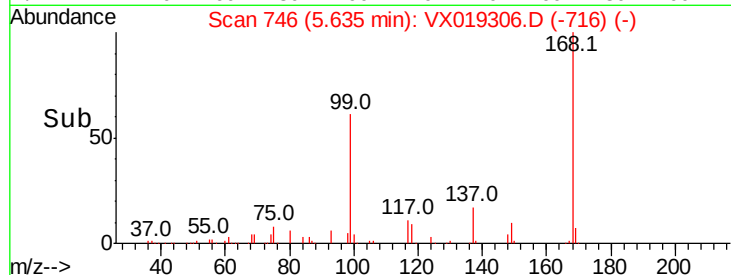
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.126 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.10 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

Tgt Ion: 41 Resp: 4841

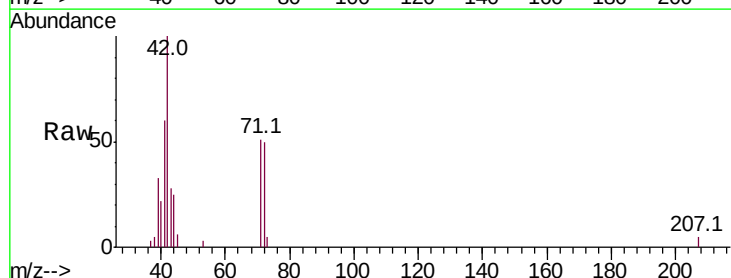
Ion Ratio Lower Upper

41 100

39 53.9 44.4 66.6

67 0.0 66.4 99.6#

52 0.0 26.2 39.4#

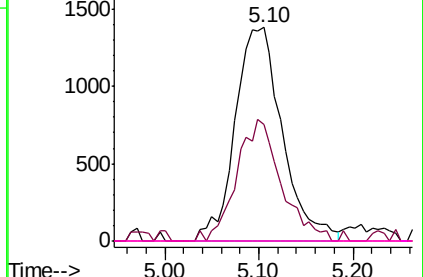
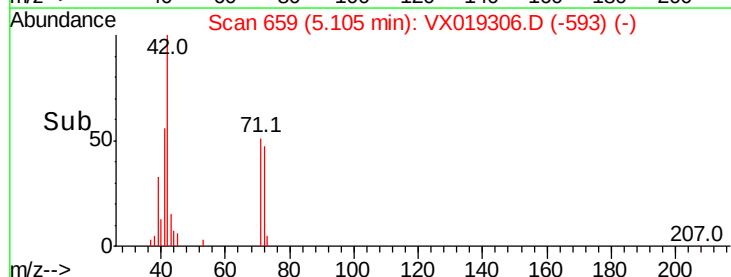


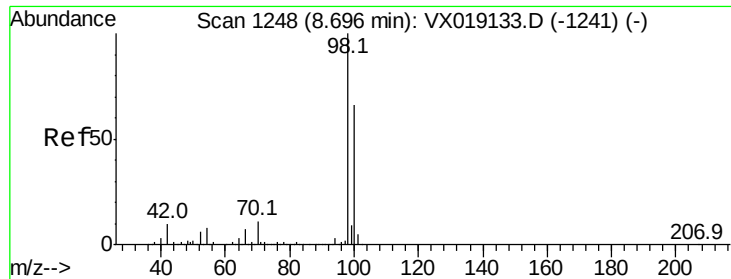
Abundance Ion 41.00 (40.70 to 41.70): VX0

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

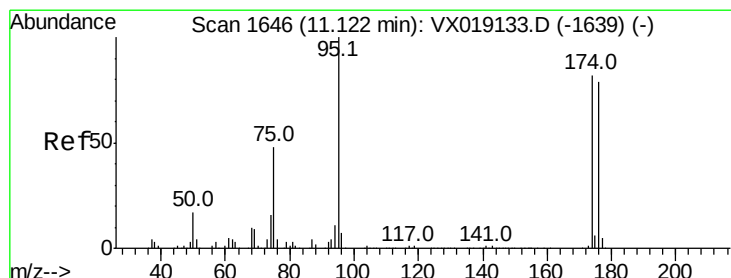
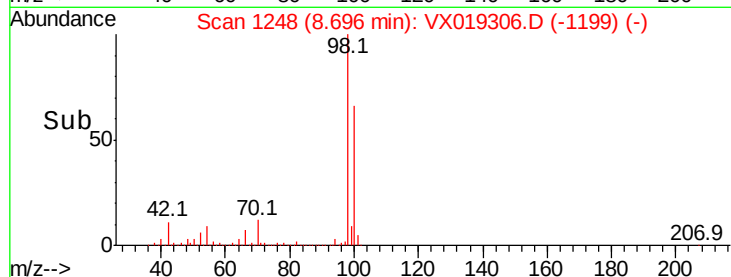
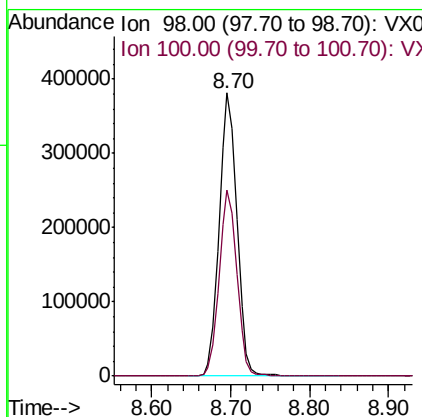
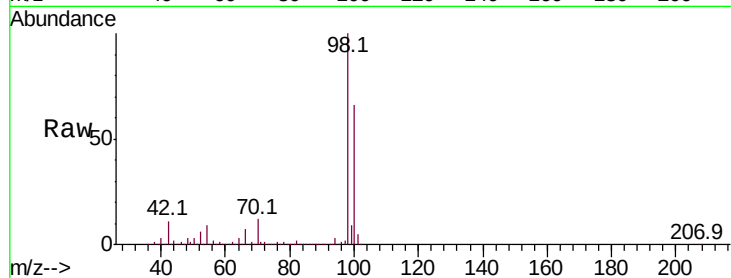




#50
Toluene-d8
Concen: 51.531 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

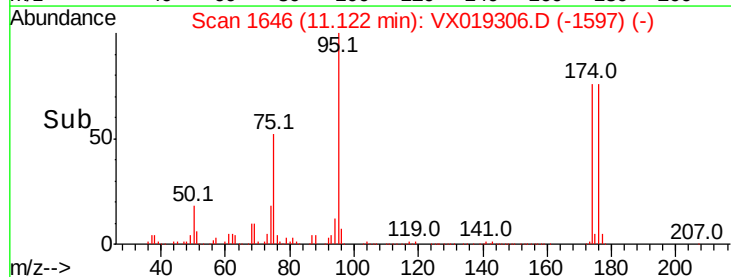
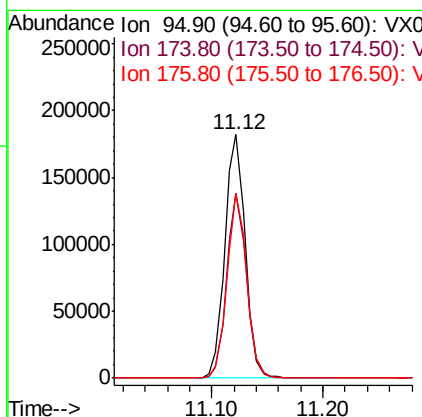
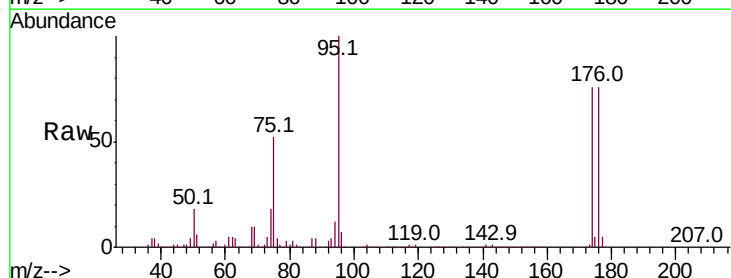
Instrument :
MSVOA_X
ClientSampleId :

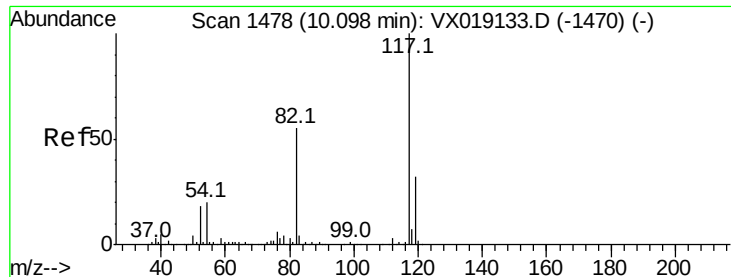
Tot Ion: 98 Resp: 601850
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 52.007 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Tgt Ion: 95 Resp: 230031
Ion Ratio Lower Upper
95 100
174 74.3 0.0 156.0
176 73.3 0.0 149.8

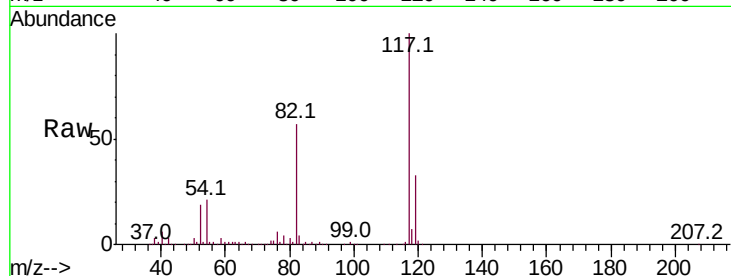




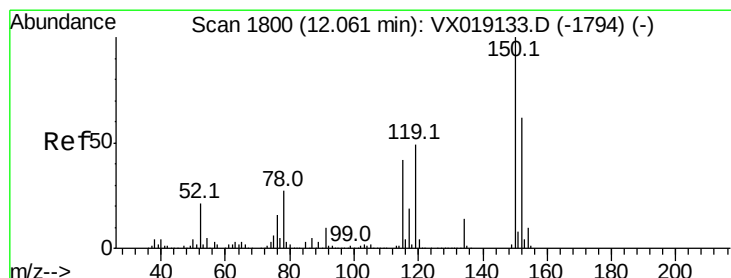
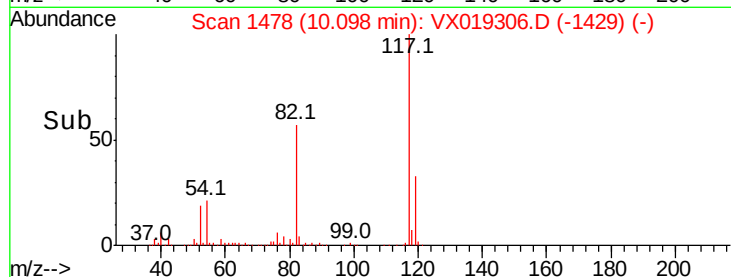
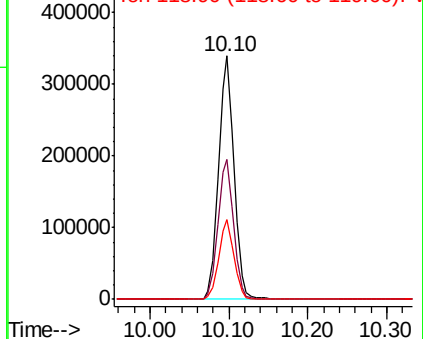
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 463586
Ion Ratio Lower Upper
117 100
82 57.3 43.6 65.4
119 33.0 25.5 38.3

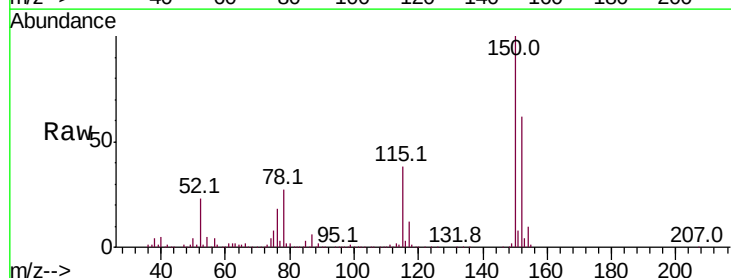


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

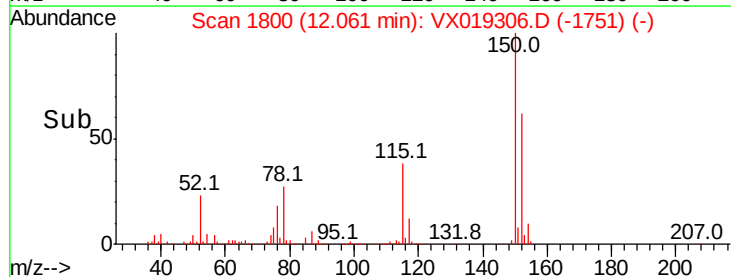
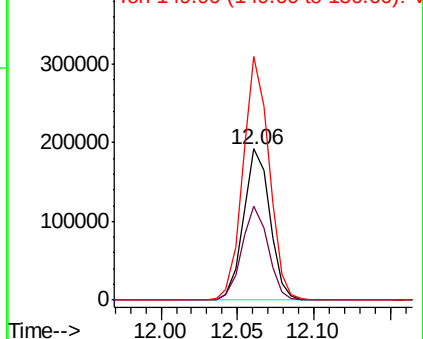


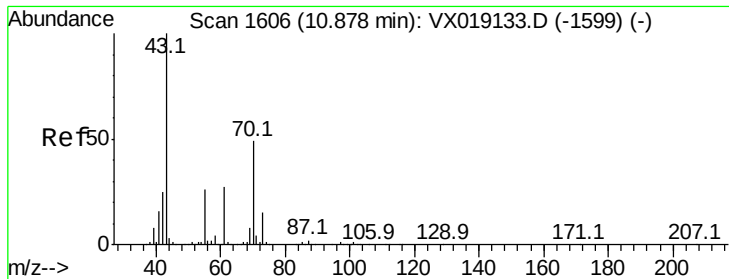
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Tgt Ion:152 Resp: 228733
Ion Ratio Lower Upper
152 100
115 61.9 41.9 125.7
150 159.5 0.0 347.8



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

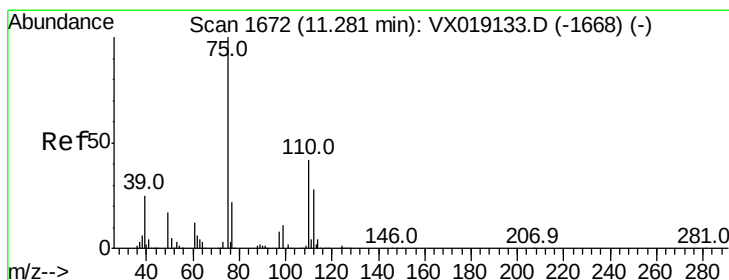
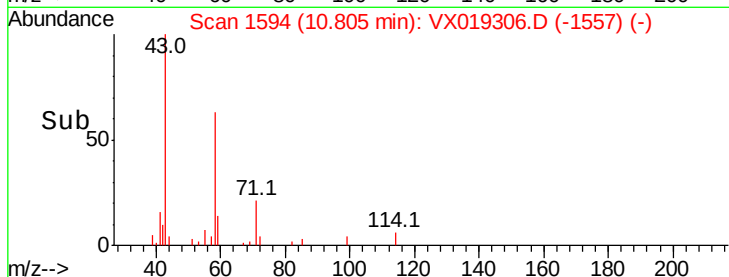
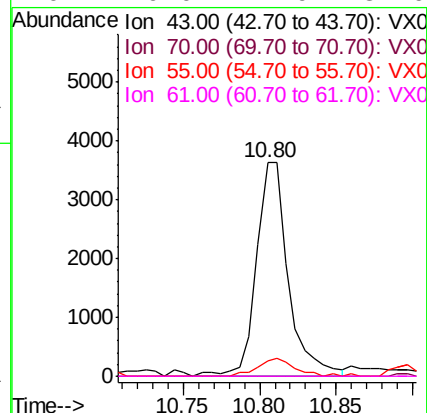
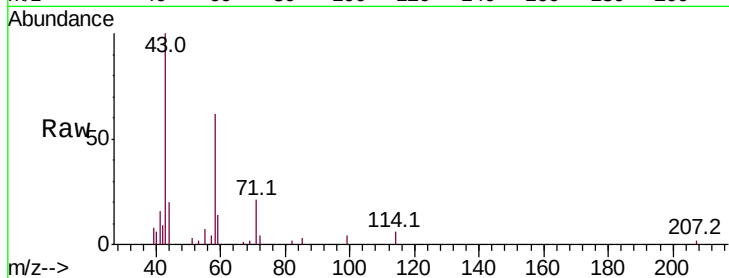




#74
N-amvl acetate
Concen: 0.894 ug/l
RT: 10.80 min Scan# 1594
Delta R.T. -0.07 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

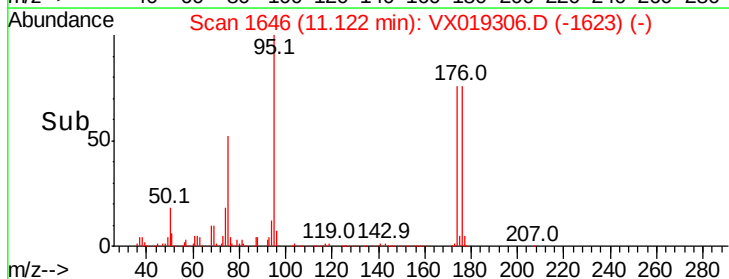
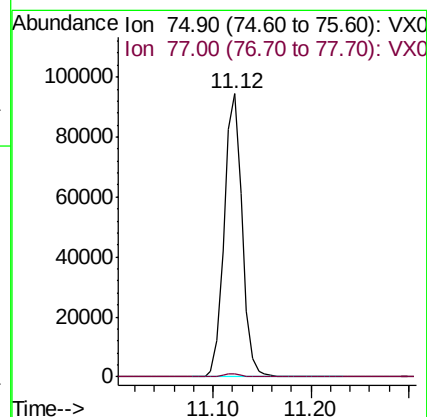
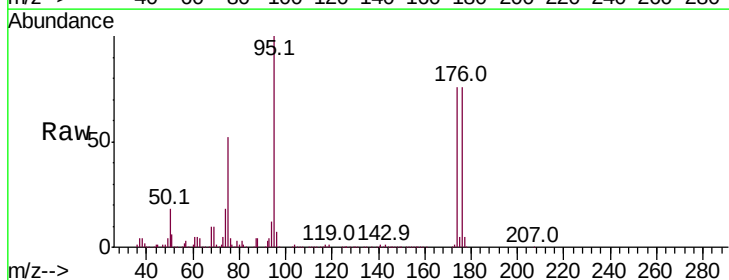
Instrument :
MSVOA_X
ClientSampleId :

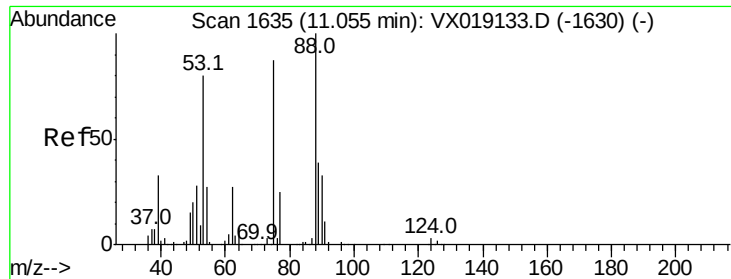
Tot Ion: 43 Resp: 5291
Ion Ratio Lower Upper
43 100
70 0.0 39.6 59.4#
55 9.3 20.7 31.1#
61 0.0 21.9 32.9#



#76
1,2,3-Trichloropropane
Concen: 25.311 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Tgt Ion: 75 Resp: 119539
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.643 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019306.D

Acq: 05 Nov 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

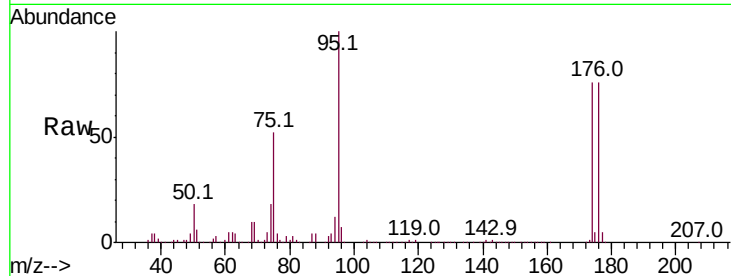
Tot Ion: 75 Resp: 119539

Ion Ratio Lower Upper

75 100

53 0.1 73.3 109.9#

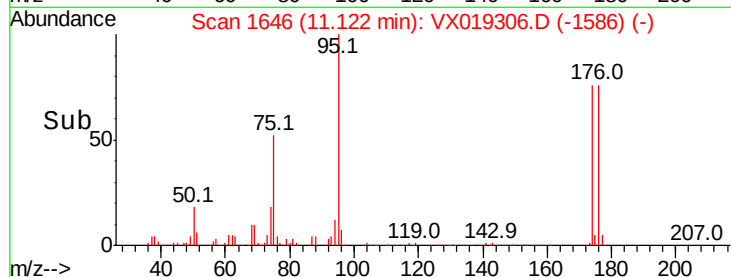
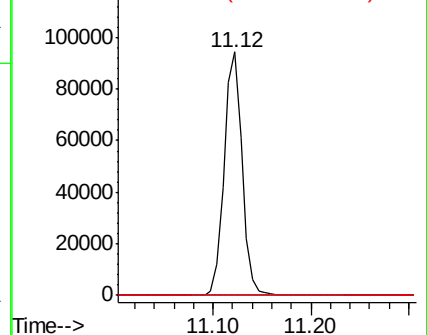
89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.334 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019306.D

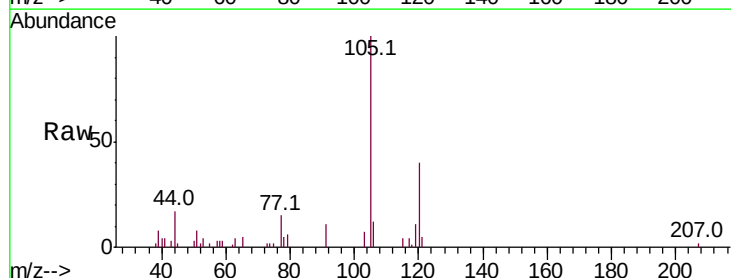
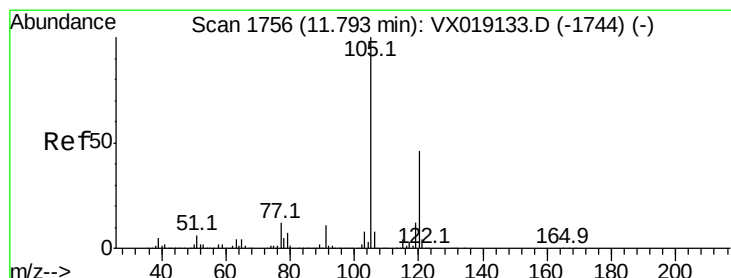
Acq: 05 Nov 2020 12:18

Tgt Ion:105 Resp: 4606

Ion Ratio Lower Upper

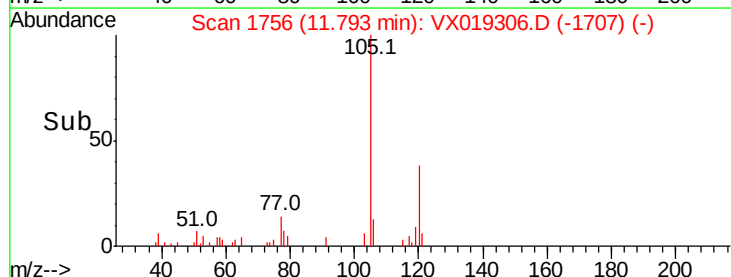
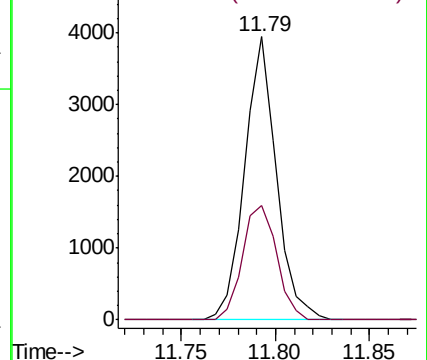
105 100

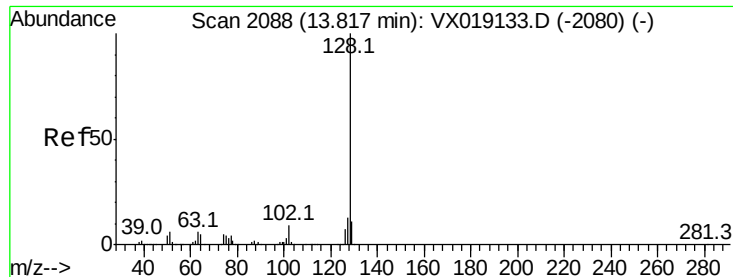
120 43.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

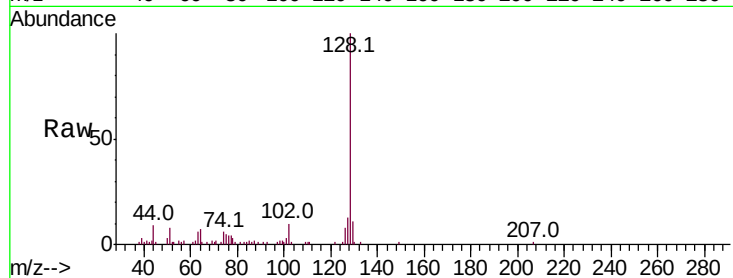




#95
Naphthalene
Concen: 0.746 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019306.D
Acq: 05 Nov 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.6	13.0



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

