

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015943.D
 Acq On : 24 Apr 2020 20:07
 Operator : JC/SP
 Sample : L2414-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW024-200422

Quant Time: Apr 25 06:54:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	134789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	258156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	247126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117055	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	99270	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
35) Dibromofluoromethane	5.47	113	74801	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
50) Toluene-d8	8.70	98	319663	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
62) 4-Bromofluorobenzene	11.12	95	127729	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	

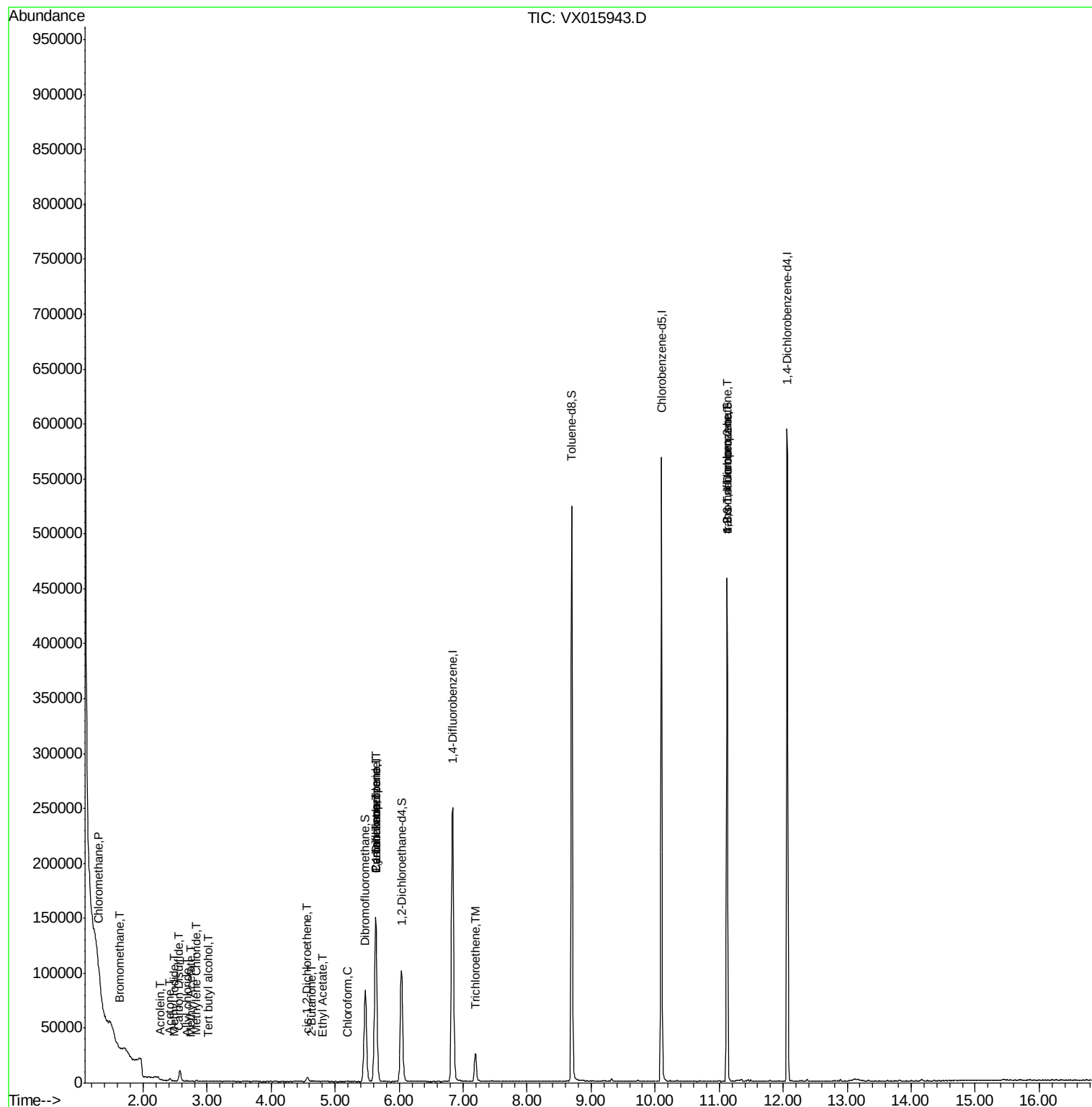
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	552	0.361	ug/l	90
5) Bromomethane	1.64	94	245	0.348	ug/l	85
10) Methyl Iodide	2.49	142	128	4.881	ug/l #	57
11) Tert butyl alcohol	3.01	59	253	0.619	ug/l #	72
13) Acrolein	2.28	56	83	0.327	ug/l #	15
14) Allyl chloride	2.69	41	572	0.212	ug/l #	58
16) Acetone	2.42	43	2018	2.827	ug/l	99
17) Carbon Disulfide	2.56	76	2429	0.279	ug/l	96
18) Methyl Acetate	2.75	43	503	0.233	ug/l #	49
20) Methylene Chloride	2.84	84	491	0.278	ug/l #	88
25) 2-Butanone	4.64	43	296	0.255	ug/l #	47
27) cis-1,2-Dichloroethene	4.57	96	2655	1.373	ug/l	82
30) Chloroform	5.19	83	611	0.203	ug/l	96
31) Cyclohexane	5.63	56	3087	1.082	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	12001	4.871	ug/l #	50
37) Ethyl Acetate	4.80	43	510	0.206	ug/l #	67
38) Carbon Tetrachloride	5.64	117	14684	6.522	ug/l #	15
44) Trichloroethene	7.19	130	9181	4.136	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	64332	25.621	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	64332	57.714	ug/l #	14

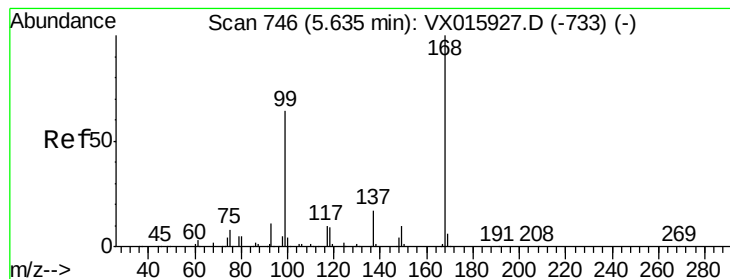
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Instrument :

MSVOA_X

ClientSampleId :

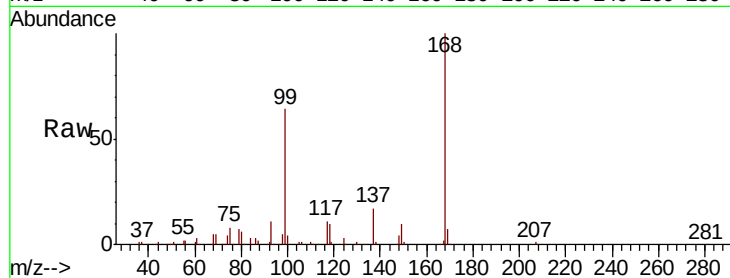
ST006MW024-200422

Tot Ion:168 Resp: 134789

Ion Ratio Lower Upper

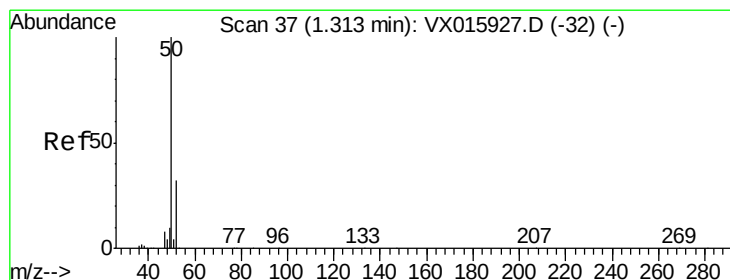
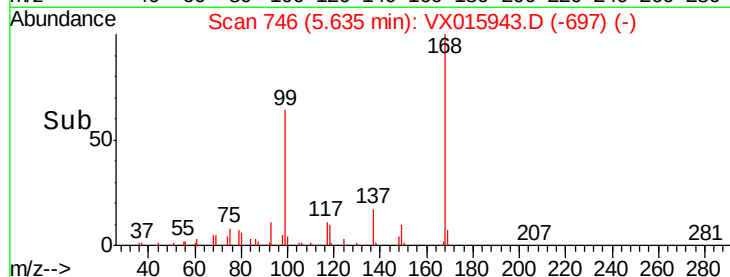
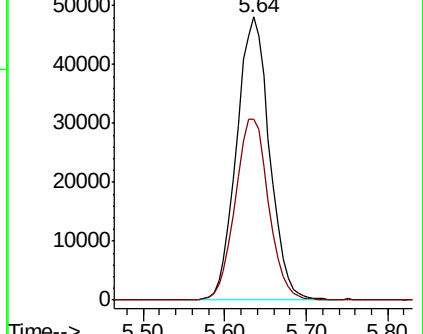
168 100

99 64.1 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.361 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015943.D

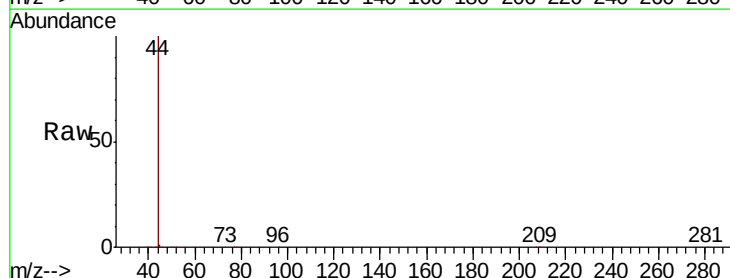
Acq: 24 Apr 2020 20:07

Tgt Ion: 50 Resp: 552

Ion Ratio Lower Upper

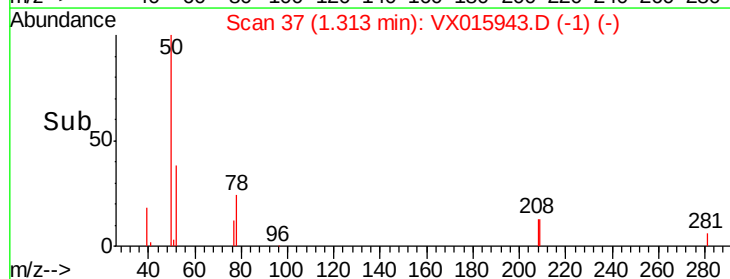
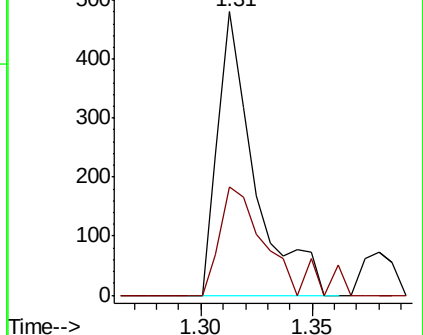
50 100

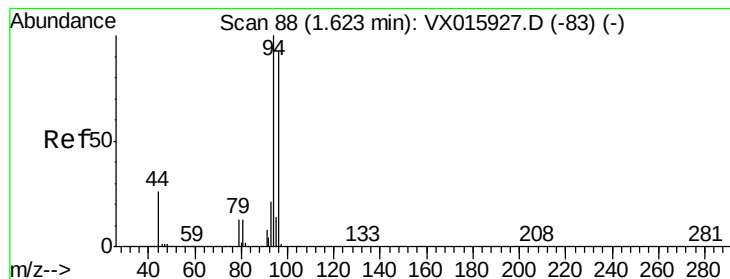
52 38.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.348 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Instrument :

MSVOA_X

ClientSampleId :

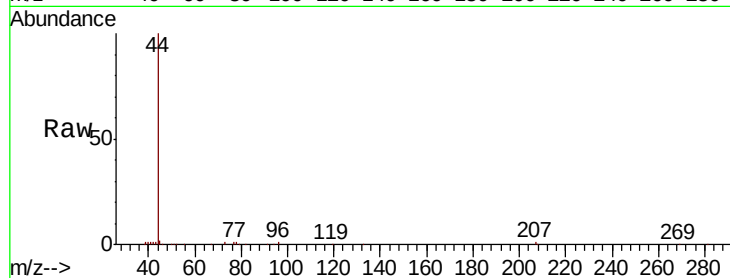
ST006MW024-200422

Tot Ion: 94 Resp: 245

Ion Ratio Lower Upper

94 100

96 108.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

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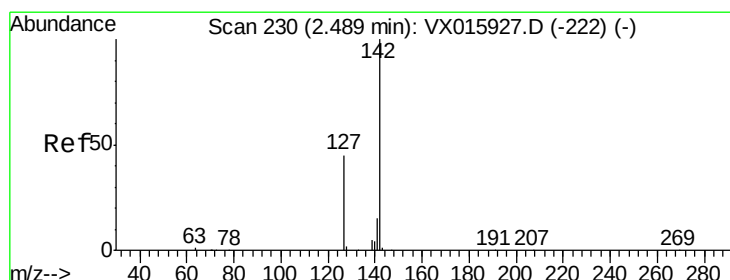
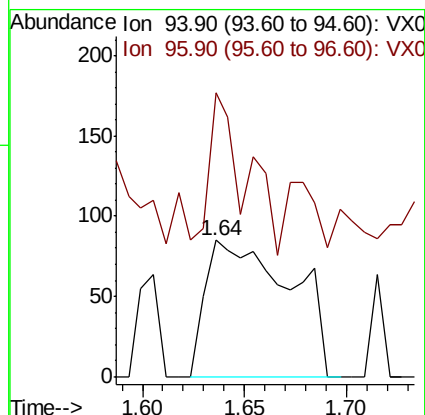
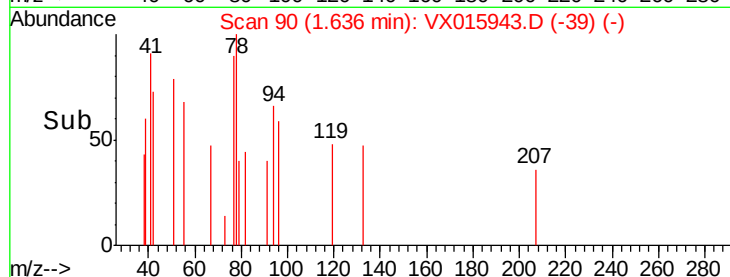
1.64

1.64

1.64

1.64

1.64



#10

Methyl Iodide

Concen: 4.881 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

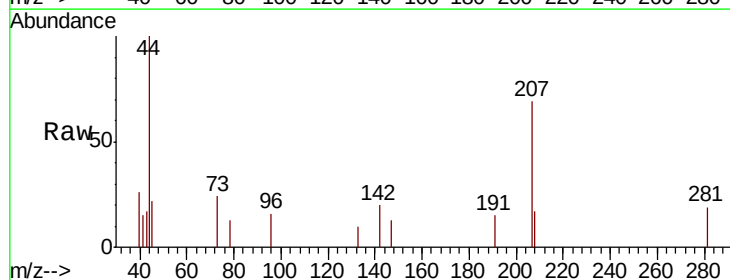
Tgt Ion:142 Resp: 128

Ion Ratio Lower Upper

142 100

127 14.1 34.4 51.6#

141 0.0 11.5 17.3#



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

2.49

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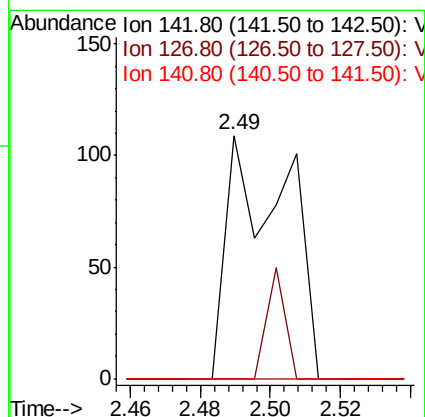
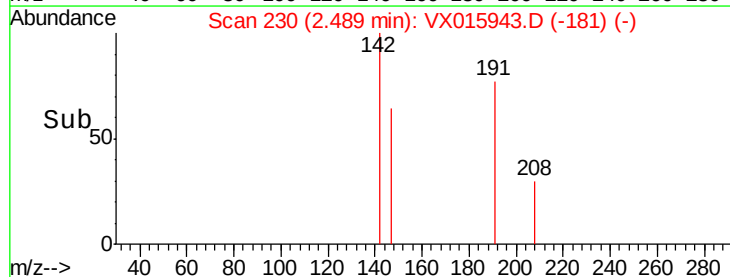
2.49

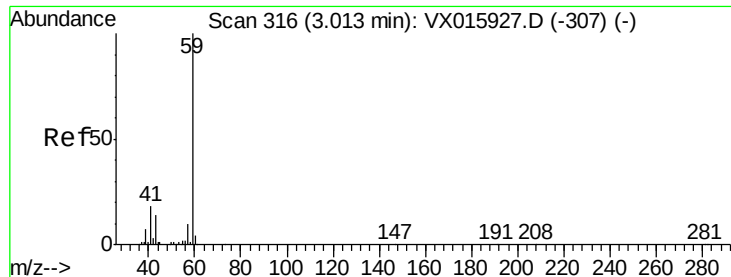
2.49

2.49

2.49

2.49



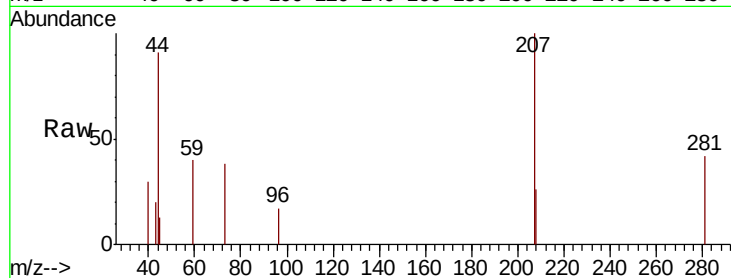


#11

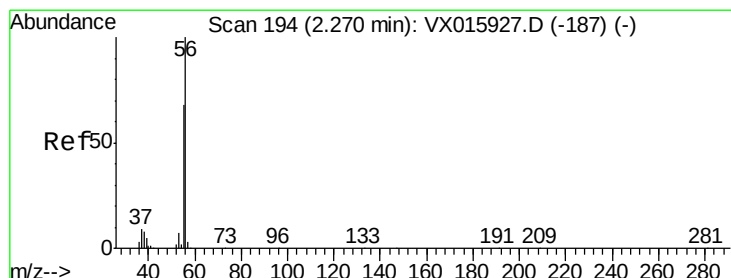
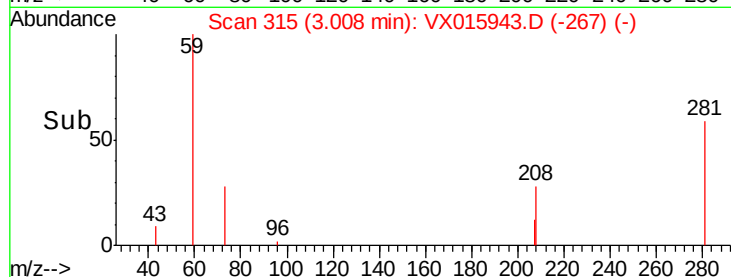
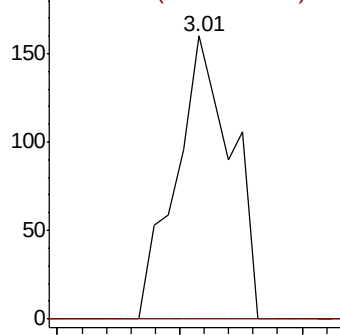
Tert butyl alcohol
 Concen: 0.619 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX015943.D
 Acq: 24 Apr 2020 20:07

Instrument :
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 ST006MW024-200422

Tot Ion: 59 Resp: 253
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



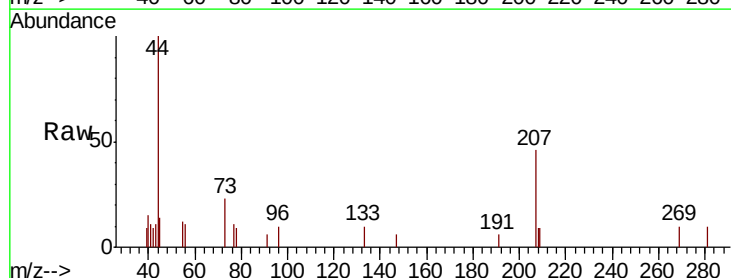
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



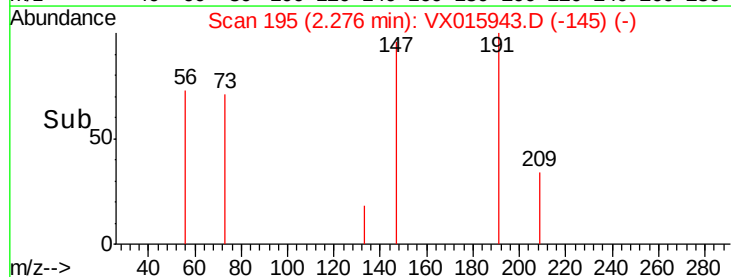
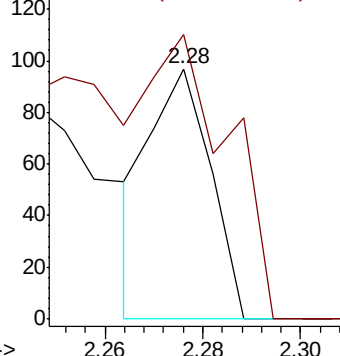
#13

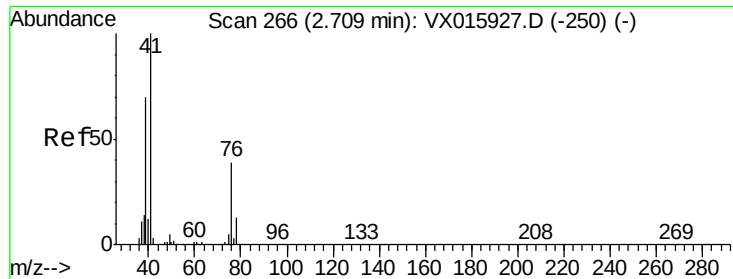
Acrolein
 Concen: 0.327 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX015943.D
 Acq: 24 Apr 2020 20:07

Tgt Ion: 56 Resp: 83
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0

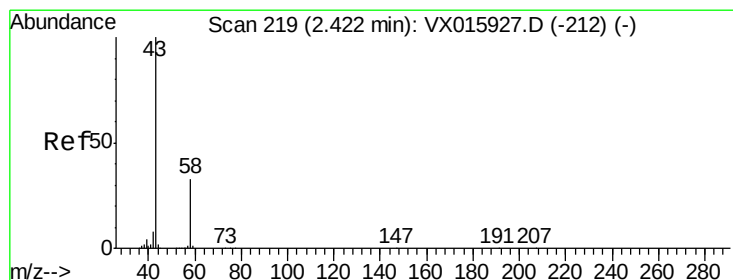
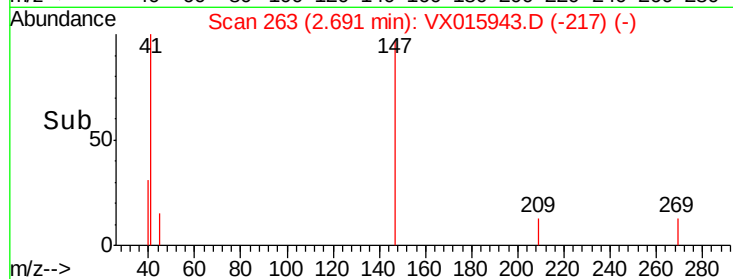
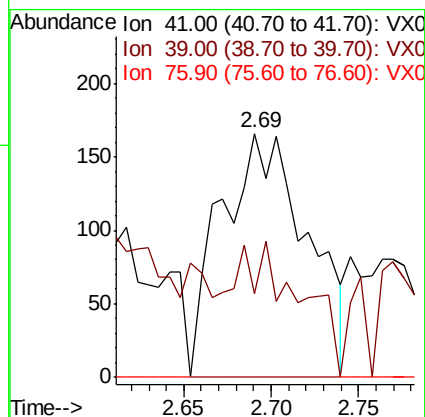
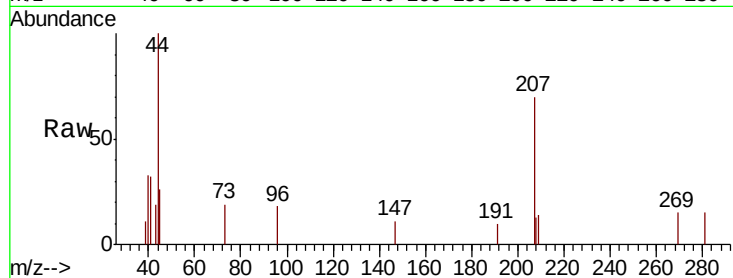




#14
Allvl chloride
Concen: 0.212 ug/l
RT: 2.69 min Scan# 263
Delta R.T. -0.02 min
Lab File: VX015943.D
Acq: 24 Apr 2020 20:07

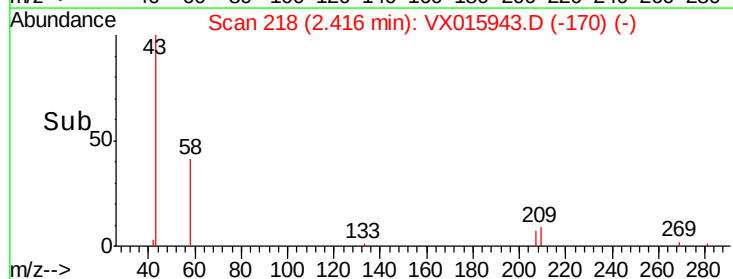
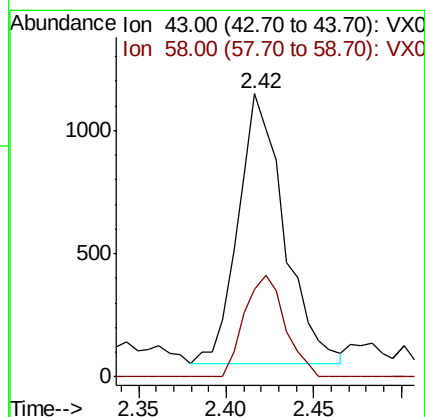
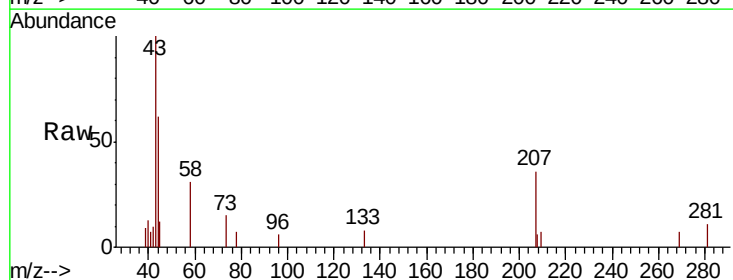
Instrument :
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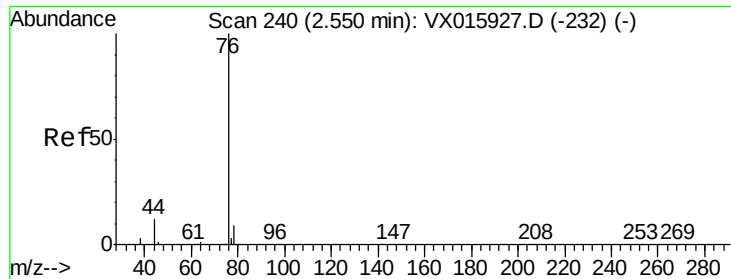
Tot Ion: 41 Resp: 572
Ion Ratio Lower Upper
41 100
39 40.6 51.6 77.4#
76 0.0 29.3 43.9#



#16
Acetone
Concen: 2.827 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX015943.D
Acq: 24 Apr 2020 20:07

Tgt Ion: 43 Resp: 2018
Ion Ratio Lower Upper
43 100
58 32.5 26.4 39.6

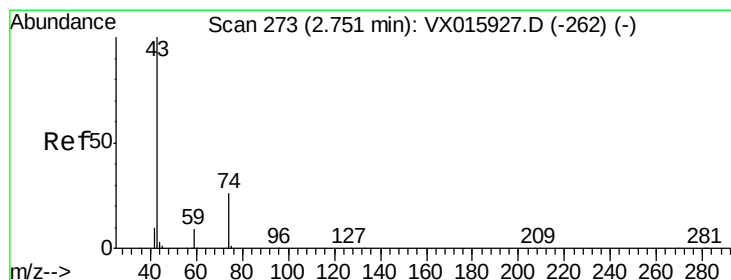
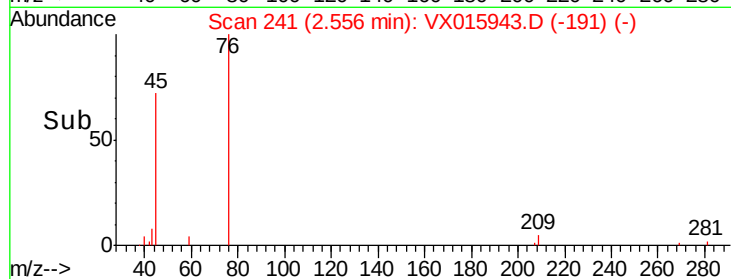
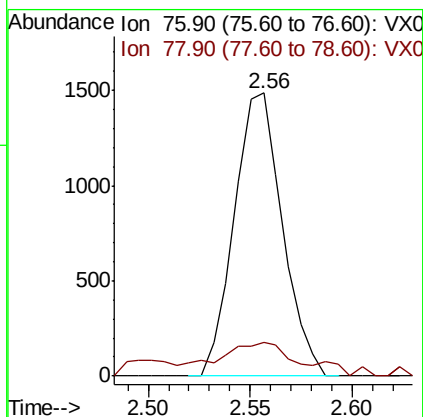
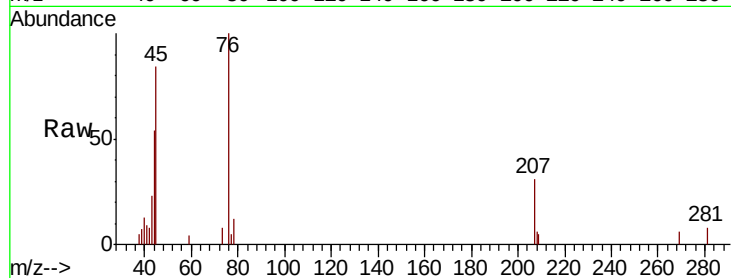




#17
Carbon Disulfide
Concen: 0.279 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX015943.D
Acq: 24 Apr 2020 20:07

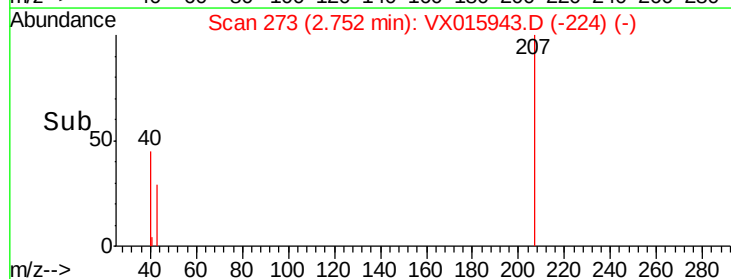
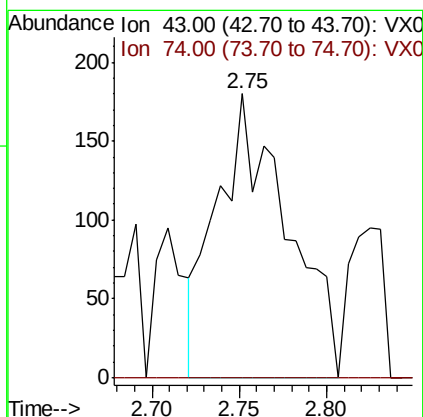
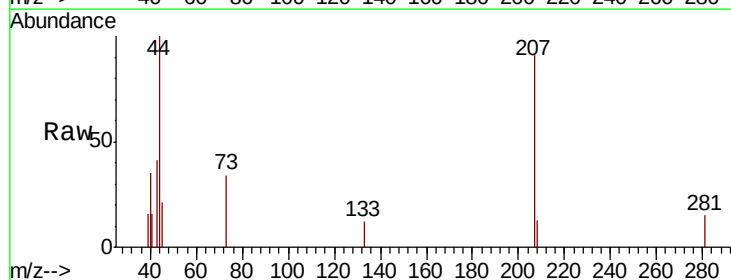
Instrument :
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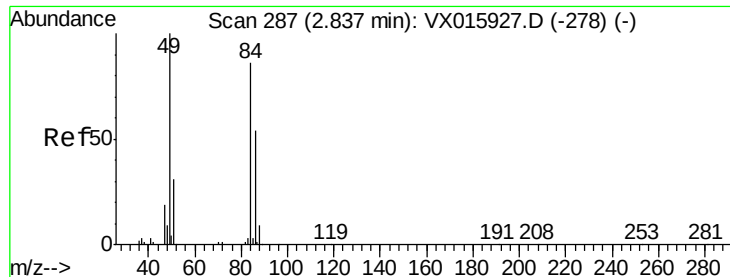
Tot Ion: 76 Resp: 2429
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.2



#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015943.D
Acq: 24 Apr 2020 20:07

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

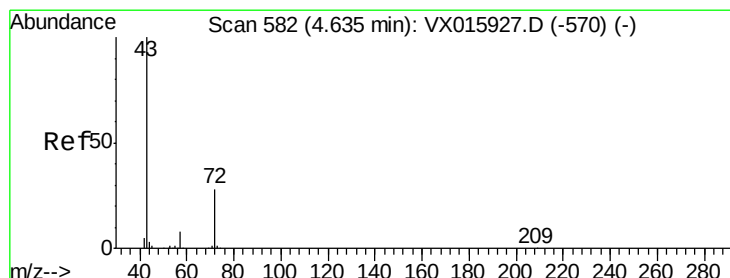
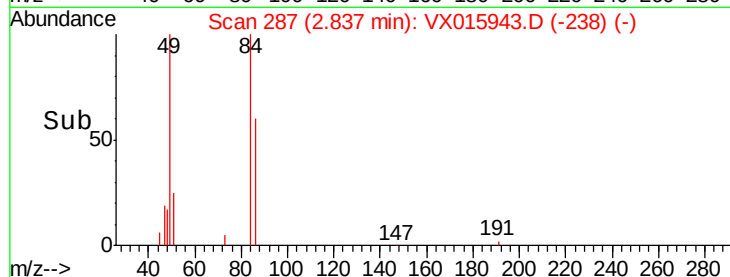
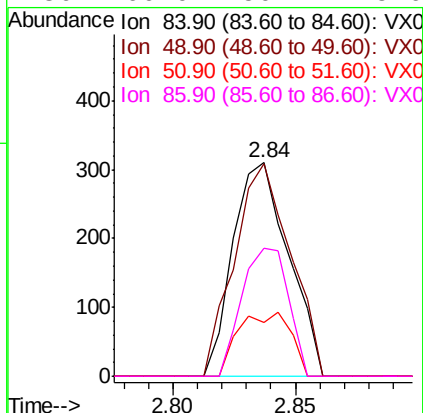
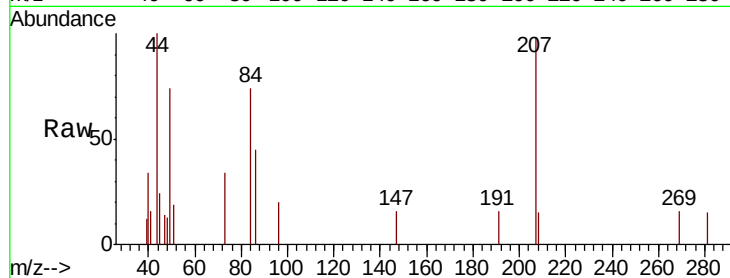




#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015943.D
Acq: 24 Apr 2020 20:07

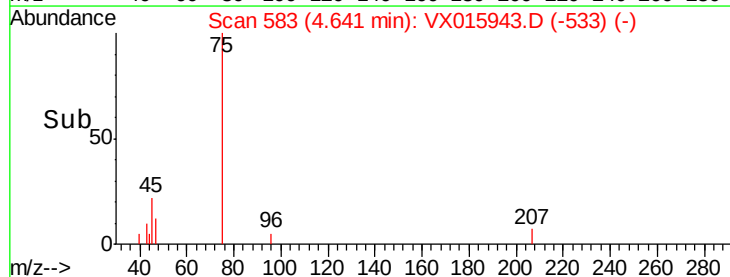
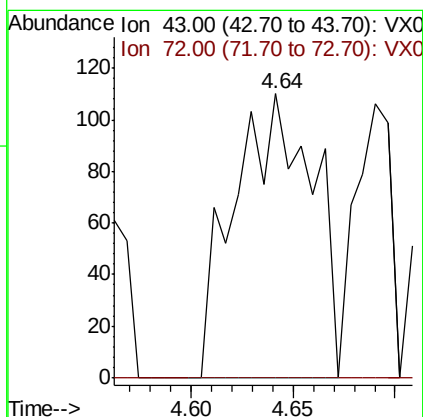
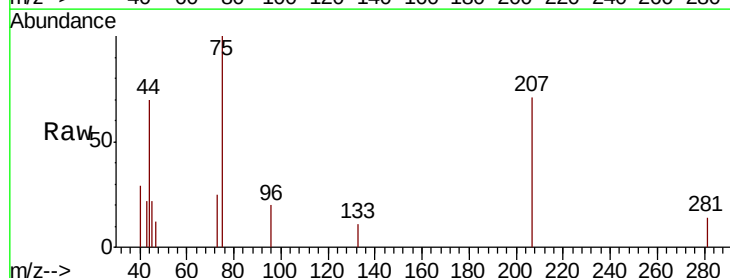
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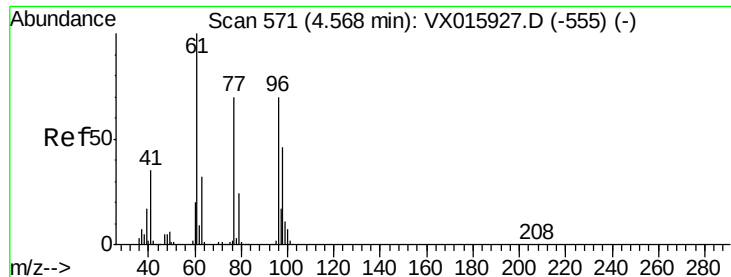
Tot Ion:	84	Resp:	491
Ion	Ratio	Lower	Upper
84	100		
49	99.7	93.0	139.6
51	25.5	28.6	43.0#
86	60.0	50.4	75.6



#25
2-Butanone
Concen: 0.255 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX015943.D
Acq: 24 Apr 2020 20:07

Tgt Ion:	43	Resp:	296
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.4	33.6#



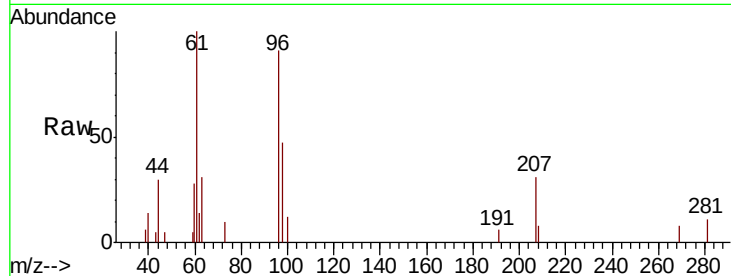


#27

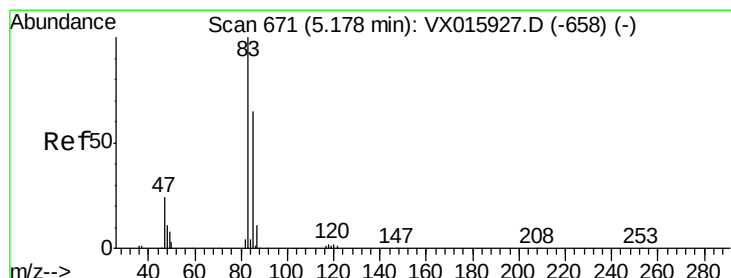
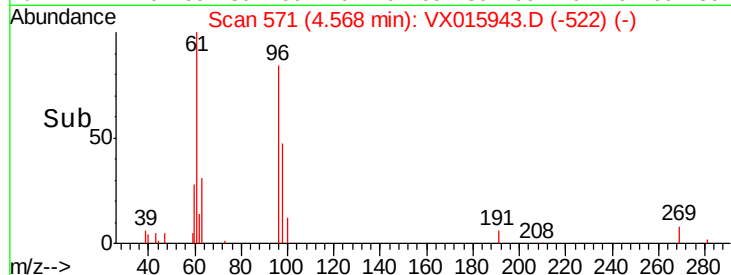
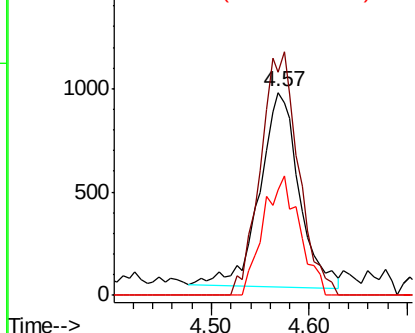
cis-1,2-Dichloroethene
 Concen: 1.373 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VX015943.D
 Acq: 24 Apr 2020 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW024-200422

Tot Ion: 96 Resp: 2655
 Ion Ratio Lower Upper
 96 100
 61 120.2 0.0 293.4
 98 56.4 0.0 129.0



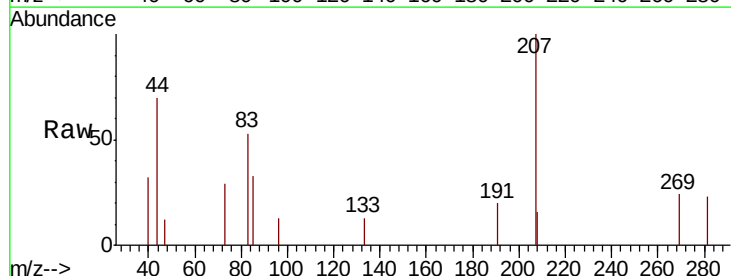
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



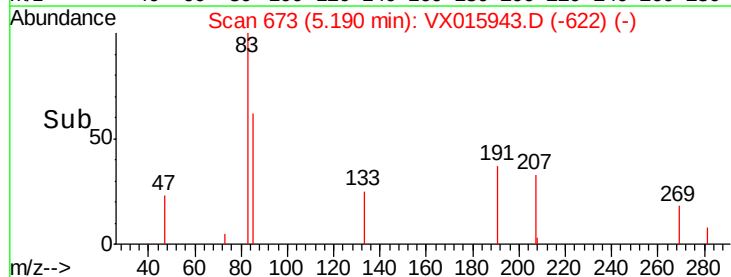
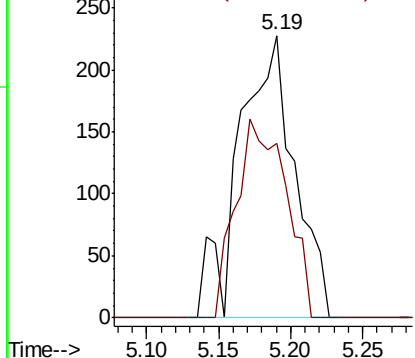
#30

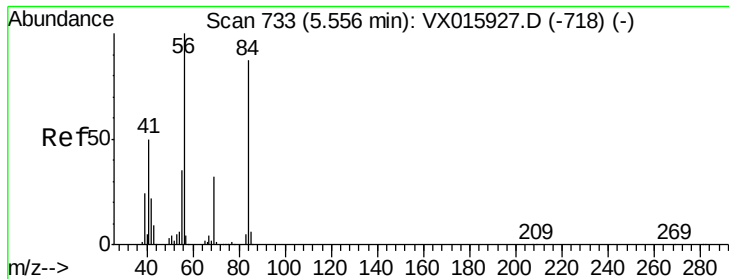
Chloroform
 Concen: 0.203 ug/l
 RT: 5.19 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VX015943.D
 Acq: 24 Apr 2020 20:07

Tgt Ion: 83 Resp: 611
 Ion Ratio Lower Upper
 83 100
 85 61.8 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.082 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.07 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Instrument :

MSVOA_X

ClientSampleId :

ST006MW024-200422

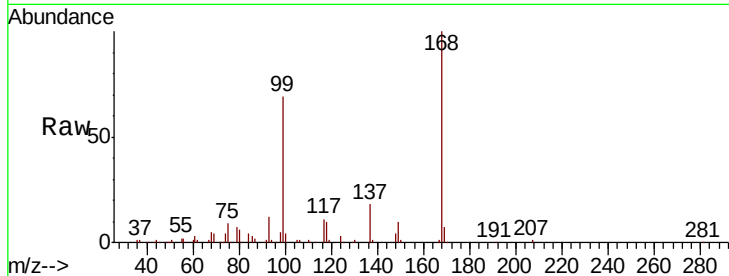
Tot Ion: 56 Resp: 3087

Ion Ratio Lower Upper

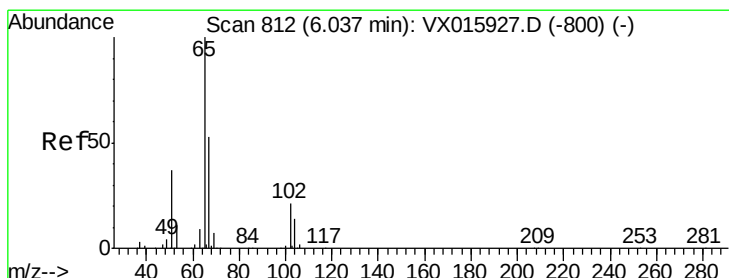
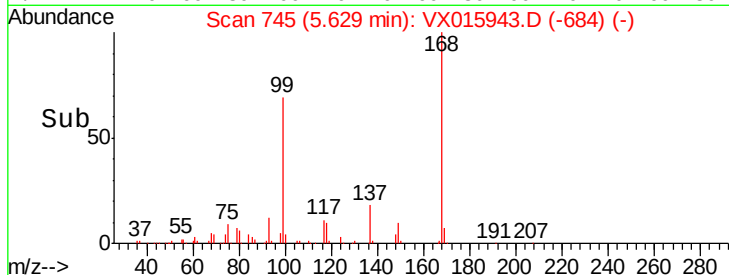
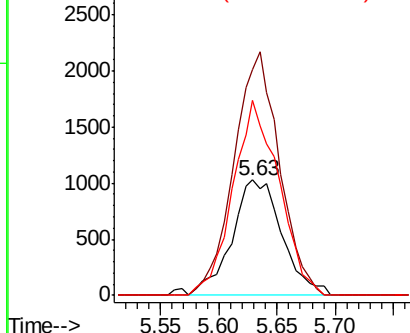
56 100

69 196.0 25.4 38.0#

84 169.2 69.5 104.3#



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: 52.159 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015943.D

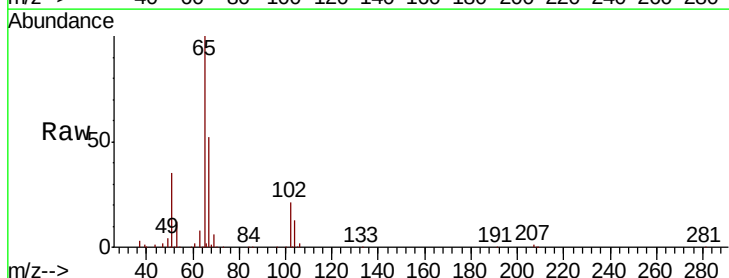
Acq: 24 Apr 2020 20:07

Tgt Ion: 65 Resp: 99270

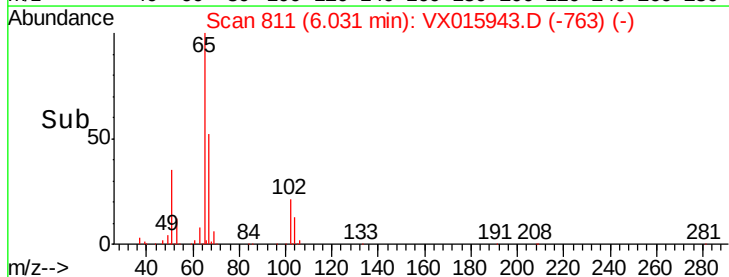
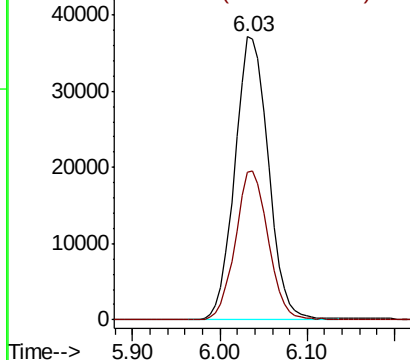
Ion Ratio Lower Upper

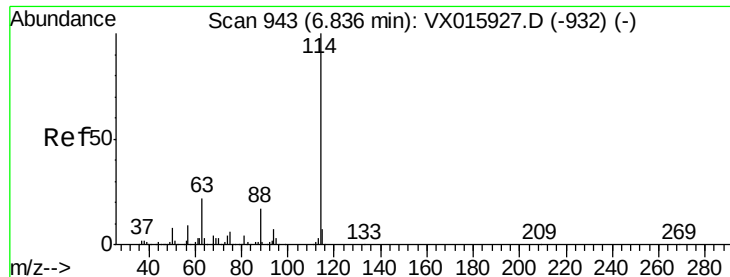
65 100

67 51.6 0.0 106.6



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: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Instrument :

MSVOA_X

ClientSampleId :

ST006MW024-200422

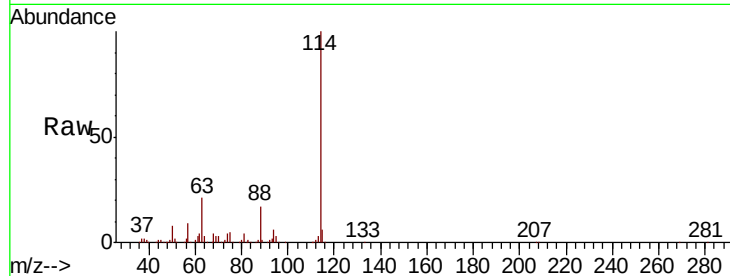
Tot Ion:114 Resp: 258156

Ion Ratio Lower Upper

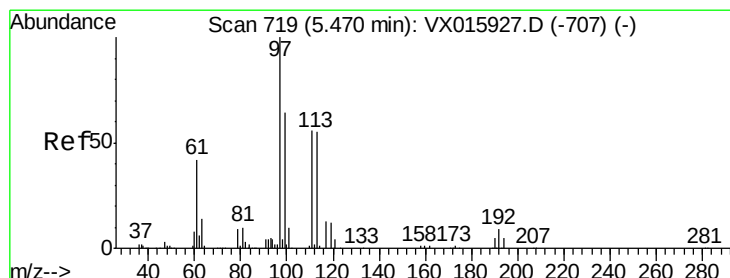
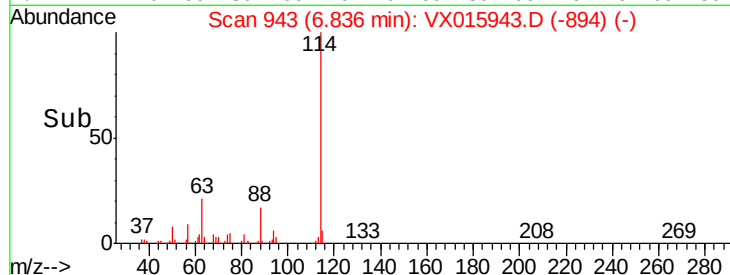
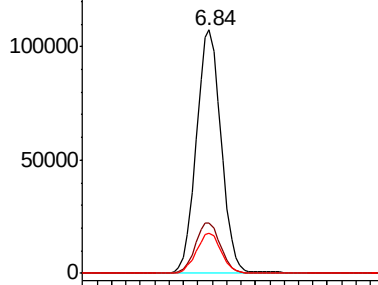
114 100

63 20.7 0.0 44.4

88 16.6 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: 53.128 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

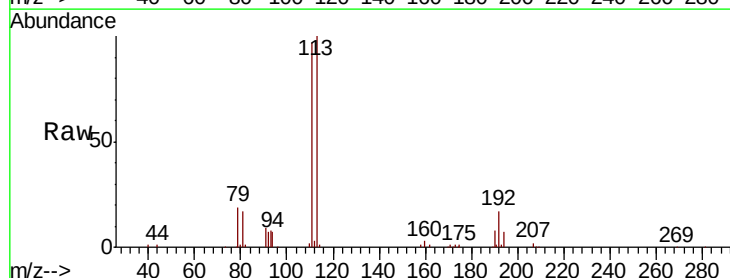
Tgt Ion:113 Resp: 74801

Ion Ratio Lower Upper

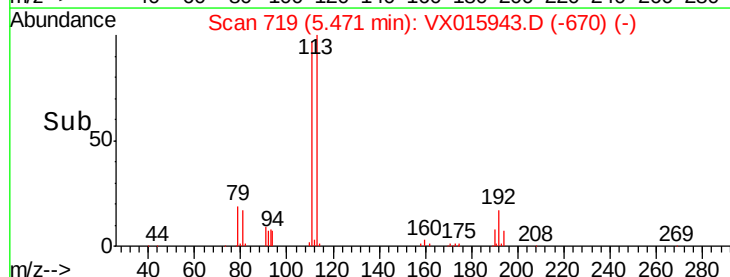
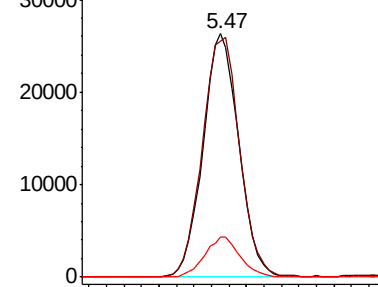
113 100

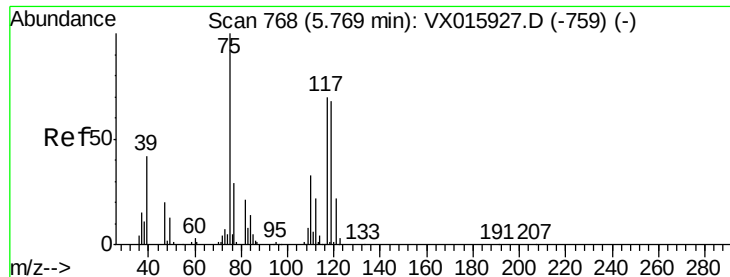
111 102.6 81.2 121.8

192 16.2 13.6 20.4



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: 4.871 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Instrument :

MSVOA_X

ClientSampleId :

ST006MW024-200422

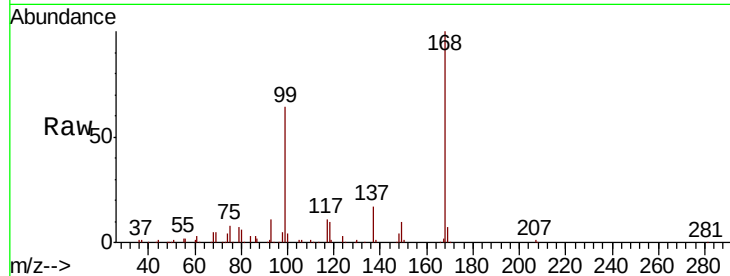
Tot Ion: 75 Resp: 12001

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.3#

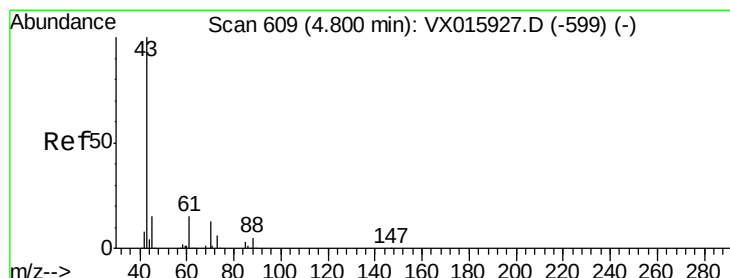
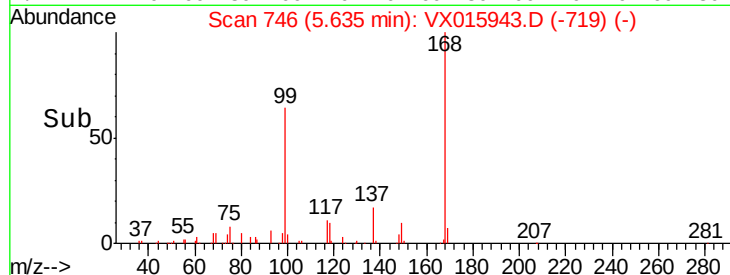
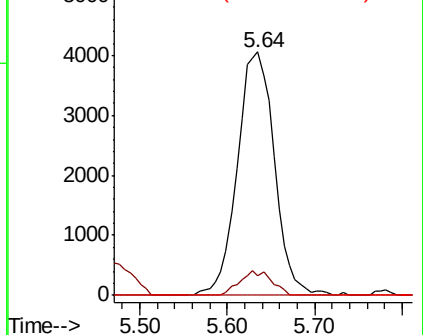
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.206 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.00 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

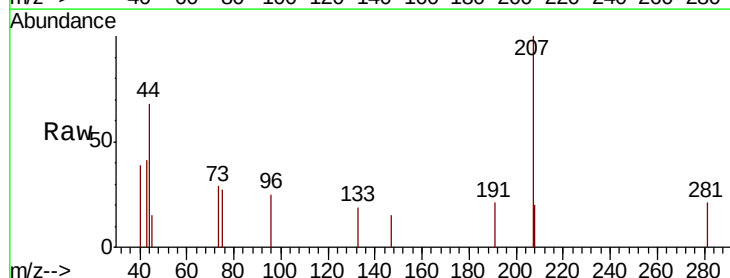
Tgt Ion: 43 Resp: 510

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

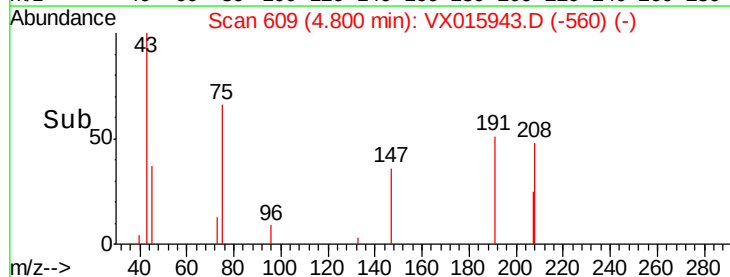
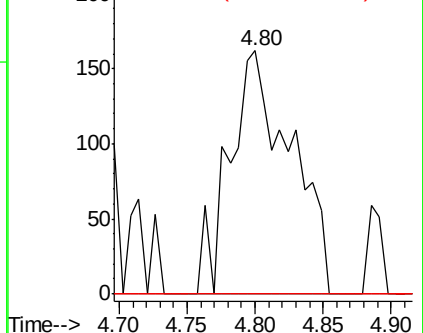
70 0.0 9.8 14.6#

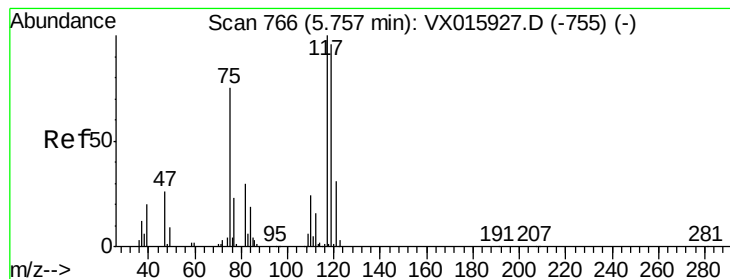


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.522 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Instrument :

MSVOA_X

ClientSampleId :

ST006MW024-200422

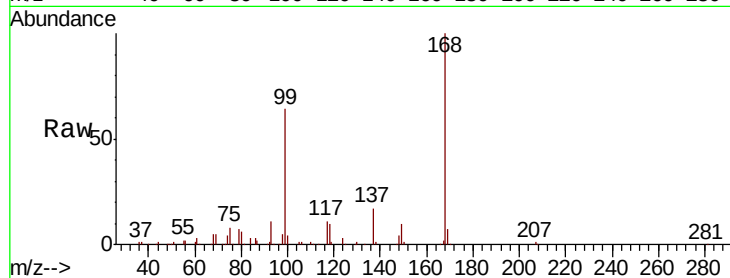
Tot Ion:117 Resp: 14684

Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.6#

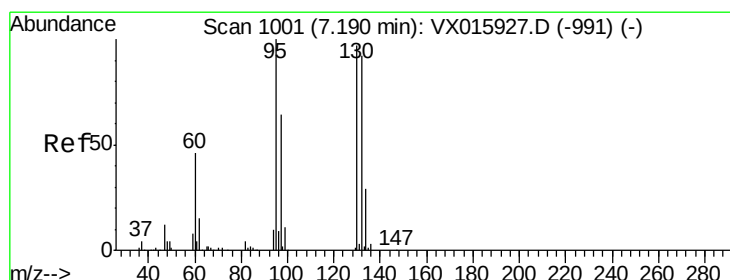
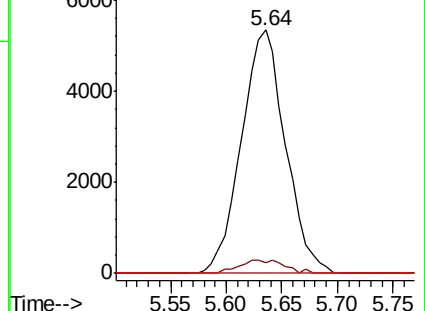
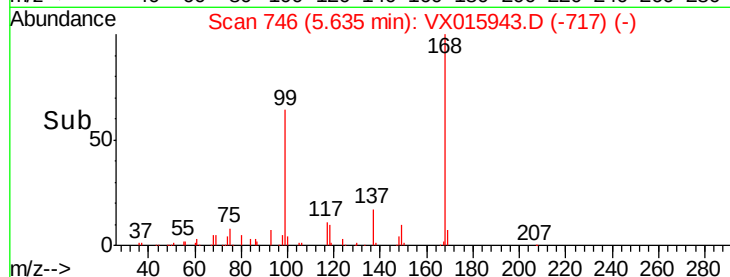
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 4.136 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX015943.D

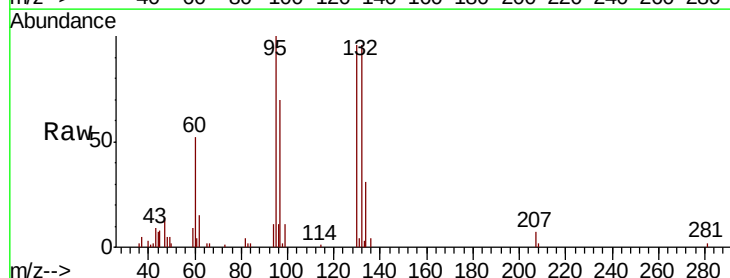
Acq: 24 Apr 2020 20:07

Tgt Ion:130 Resp: 9181

Ion Ratio Lower Upper

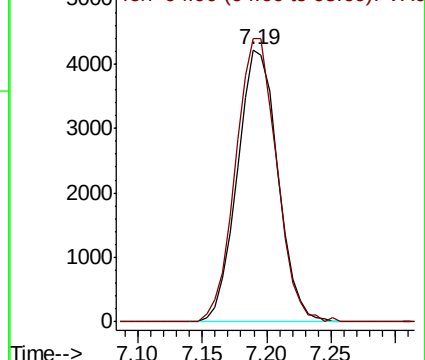
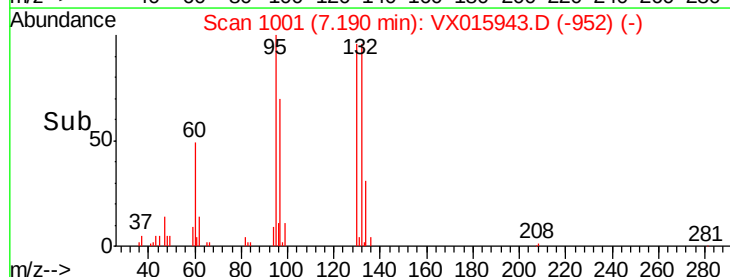
130 100

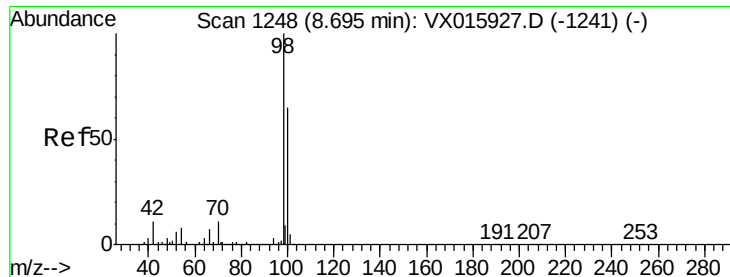
95 104.1 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 53.628 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Instrument :

MSVOA_X

ClientSampleId :

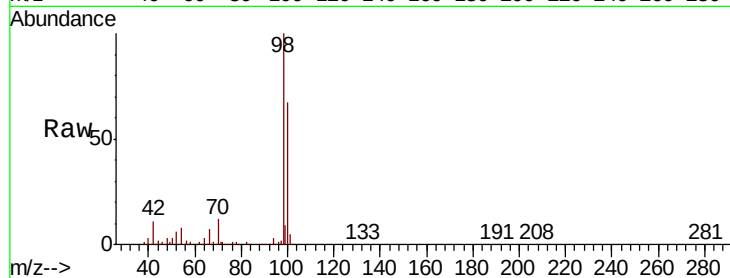
ST006MW024-200422

Tot Ion: 98 Resp: 319663

Ion Ratio Lower Upper

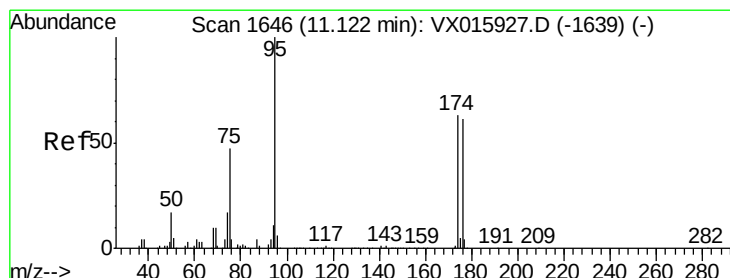
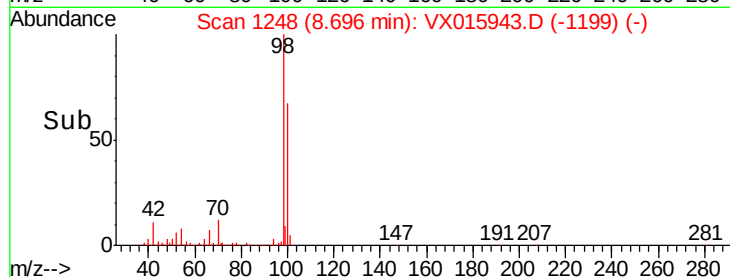
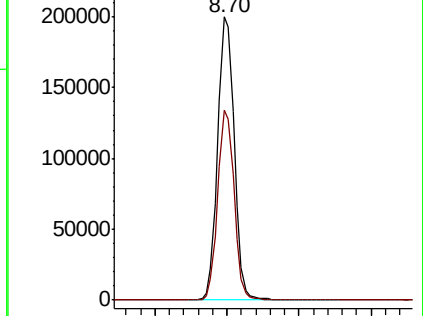
98 100

100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 52.830 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

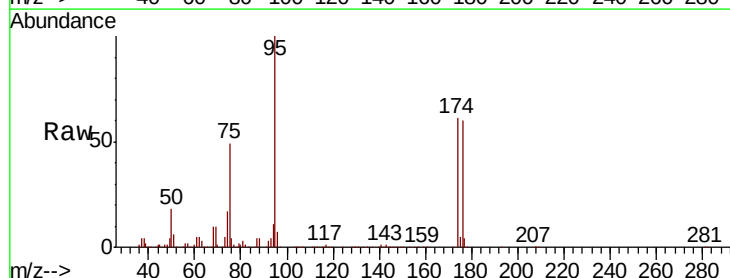
Tgt Ion: 95 Resp: 127729

Ion Ratio Lower Upper

95 100

174 65.7 0.0 133.6

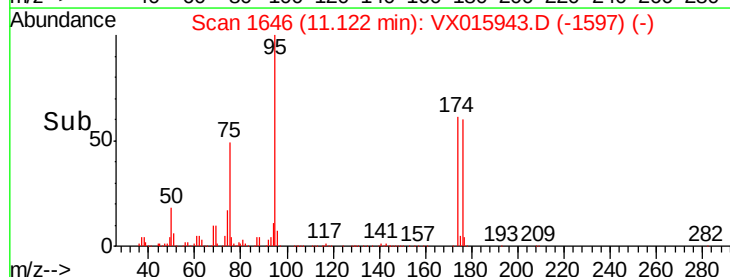
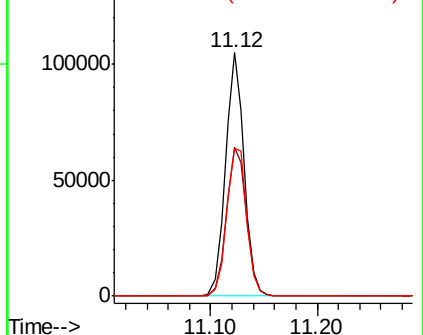
176 65.5 0.0 126.0

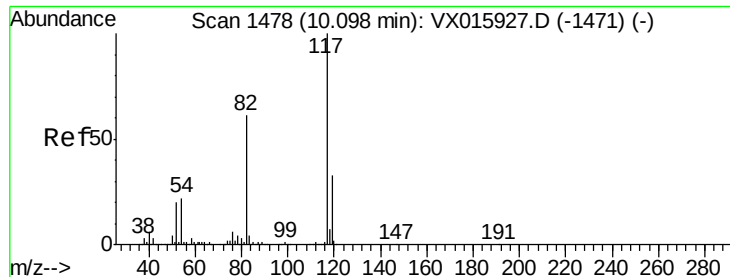


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

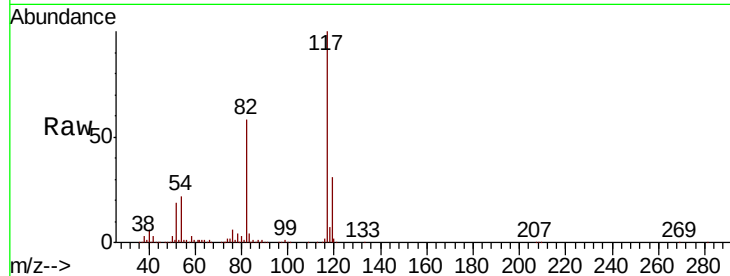




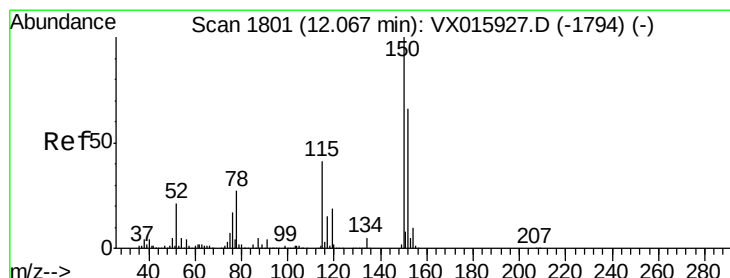
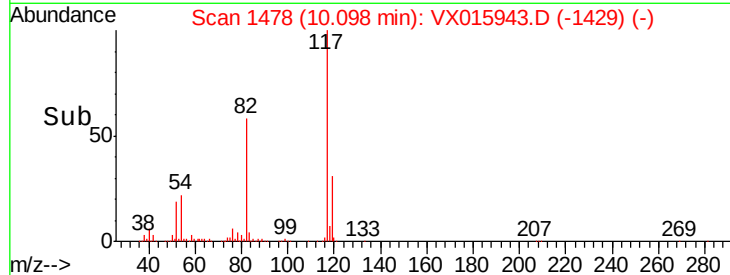
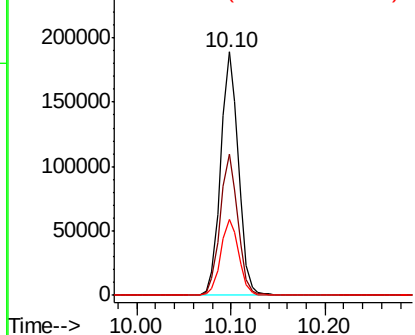
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015943.D
Acq: 24 Apr 2020 20:07

Instrument :
MSVOA_X
ClientSampleId :
ST006MW024-200422

Tot Ion:117 Resp: 247126
Ion Ratio Lower Upper
117 100
82 58.3 48.5 72.7
119 31.4 26.2 39.4

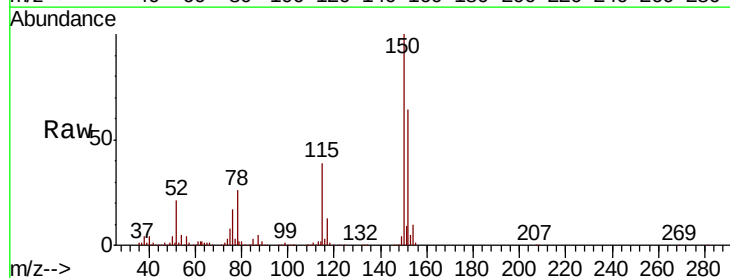


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

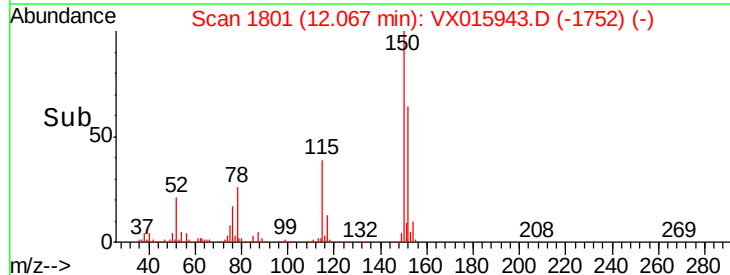
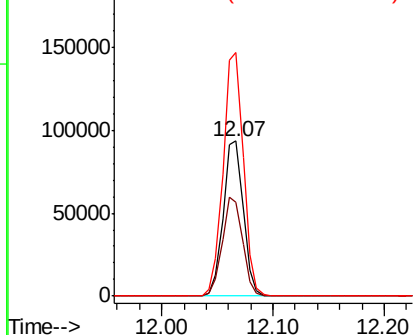


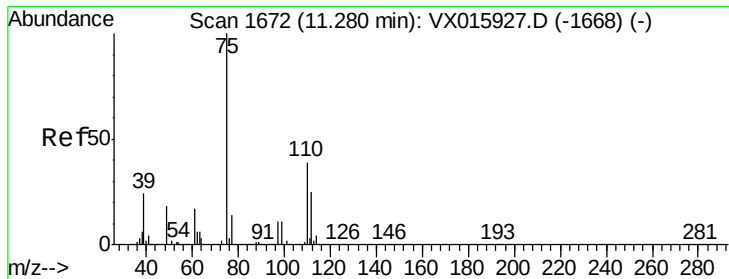
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VX015943.D
Acq: 24 Apr 2020 20:07

Tgt Ion:152 Resp: 117055
Ion Ratio Lower Upper
152 100
115 64.1 44.1 132.4
150 158.2 0.0 343.6



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





#76

1,2,3-Trichloropropane

Concen: 25.621 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Instrument :

MSVOA_X

ClientSampleId :

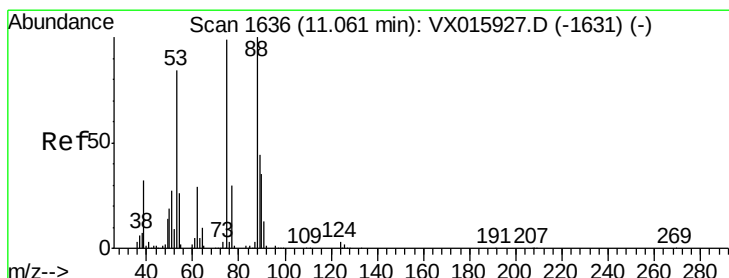
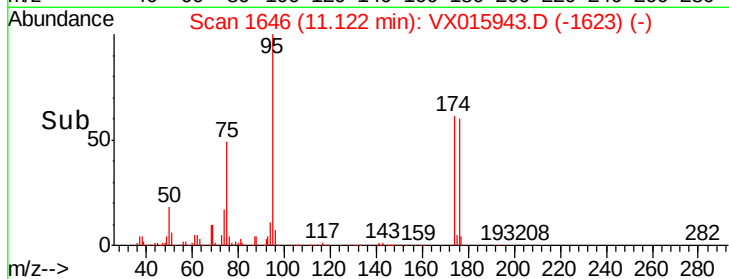
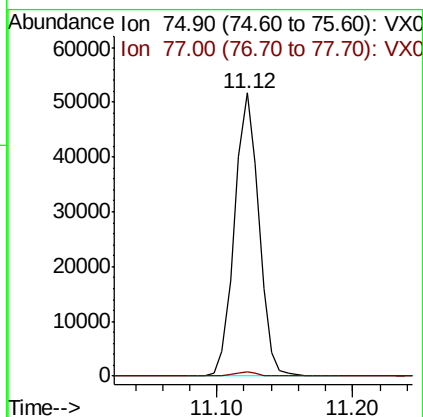
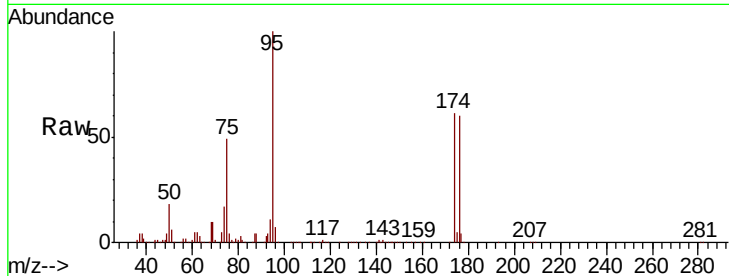
ST006MW024-200422

Tot Ion: 75 Resp: 64332

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.714 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015943.D

Acq: 24 Apr 2020 20:07

Tgt Ion: 75 Resp: 64332

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#

