

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015941.D
 Acq On : 24 Apr 2020 19:21
 Operator : JC/SP
 Sample : L2414-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW079-200422

Quant Time: Apr 25 06:53:37 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	5.63	168	136907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	261468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	254404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	120565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	100644	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
35) Dibromofluoromethane	5.47	113	77667	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
50) Toluene-d8	8.70	98	326854	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
62) 4-Bromofluorobenzene	11.12	95	135232	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	

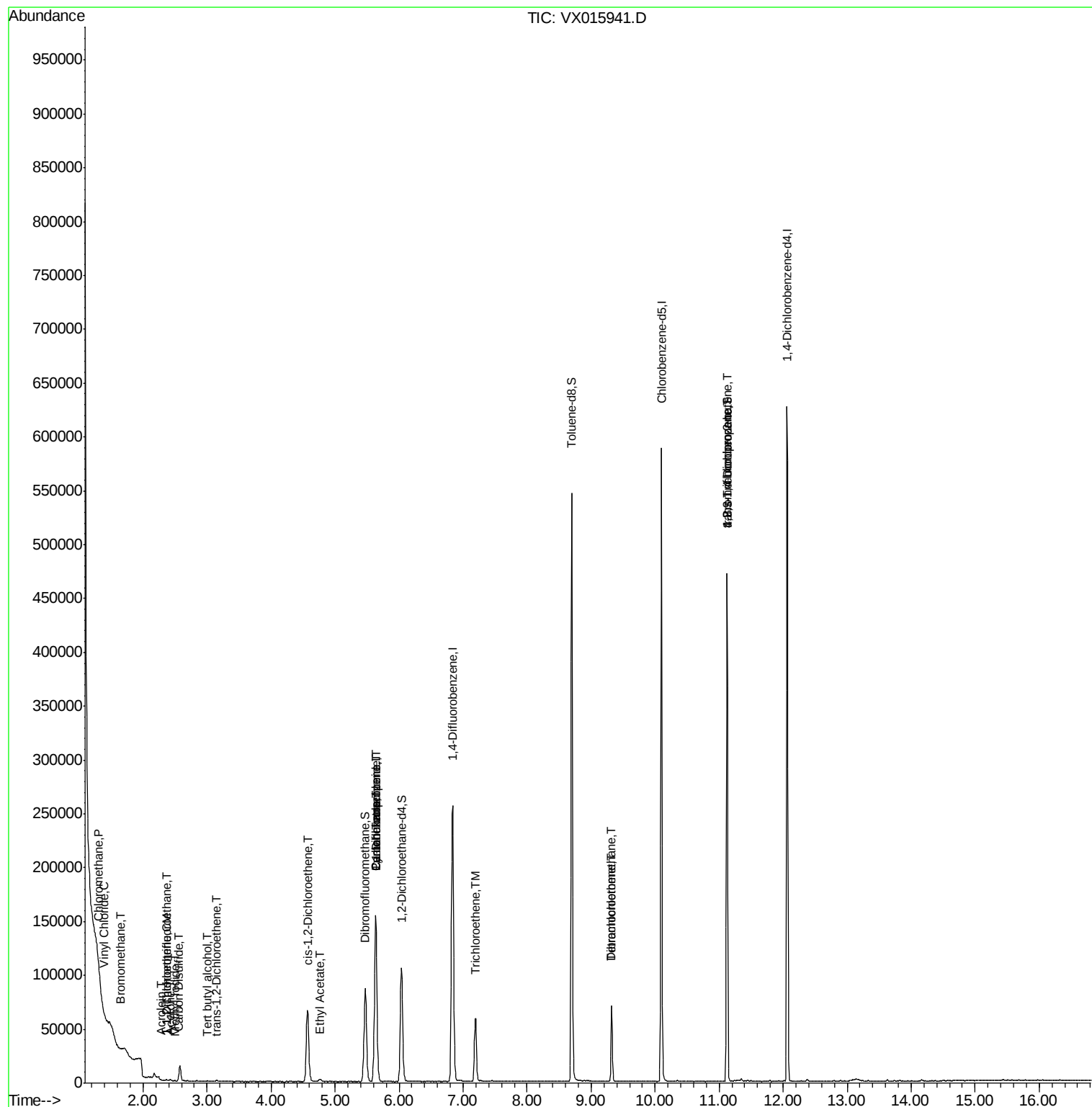
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	336	0.217	ug/l #	68
4) Vinyl Chloride	1.39	62	607	0.306	ug/l	89
5) Bromomethane	1.64	94	305	0.426	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	360	0.243	ug/l	94
10) Methyl Iodide	2.50	142	168	4.902	ug/l #	54
11) Tert butyl alcohol	3.01	59	553	1.331	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	554	0.357	ug/l #	46
13) Acrolein	2.28	56	136	0.528	ug/l	85
16) Acetone	2.42	43	1730	2.386	ug/l #	85
17) Carbon Disulfide	2.55	76	2575	0.305	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	615	0.355	ug/l #	89
27) cis-1,2-Dichloroethene	4.57	96	42766	21.768	ug/l	90
31) Cyclohexane	5.63	56	3284	1.133	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	12318	4.936	ug/l #	49
37) Ethyl Acetate	4.76	43	655	0.262	ug/l #	67
38) Carbon Tetrachloride	5.64	117	14929	6.547	ug/l #	16
44) Trichloroethene	7.20	130	22390	9.960	ug/l	97
60) Dibromochloromethane	9.32	129	13284	7.230	ug/l #	11
64) Tetrachloroethene	9.32	164	13285	5.248	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	67404	26.063	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	67404	58.709	ug/l #	14

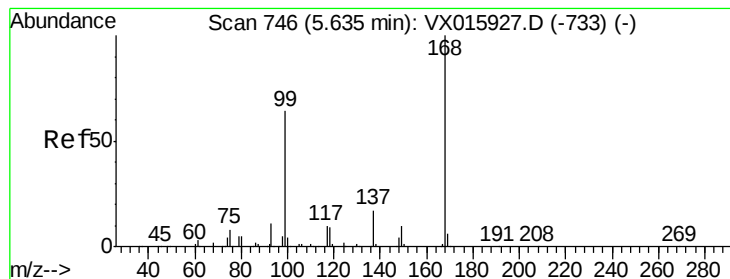
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
Data File : VX015941.D
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Quant Time: Apr 25 06:53:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 24 13:17:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

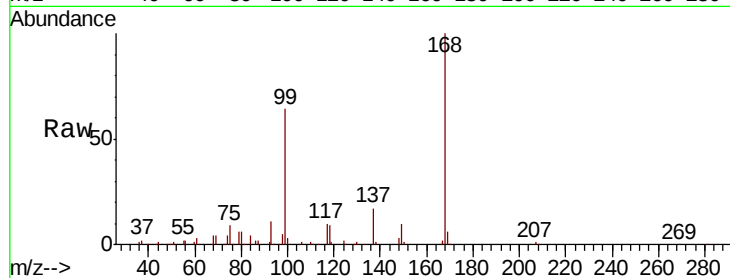
ST006MW079-200422

Tot Ion:168 Resp: 136907

Ion Ratio Lower Upper

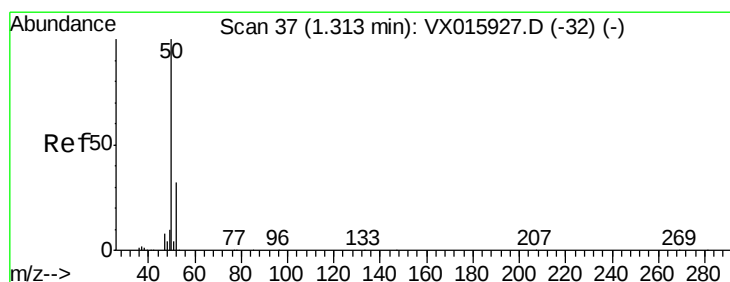
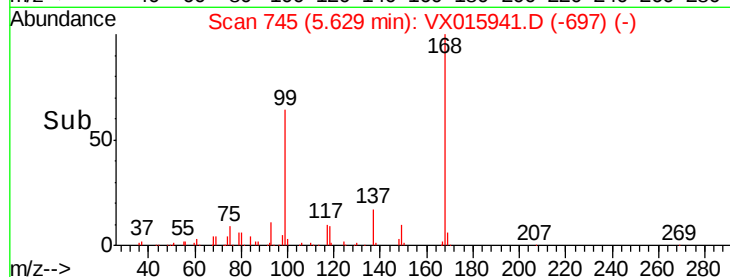
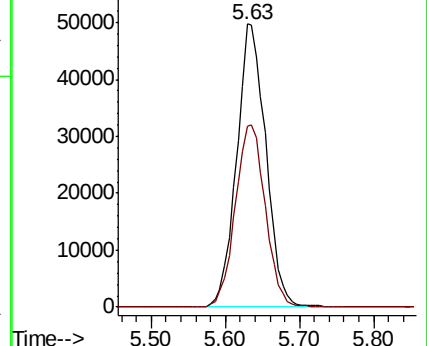
168 100

99 64.0 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: 0.217 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015941.D

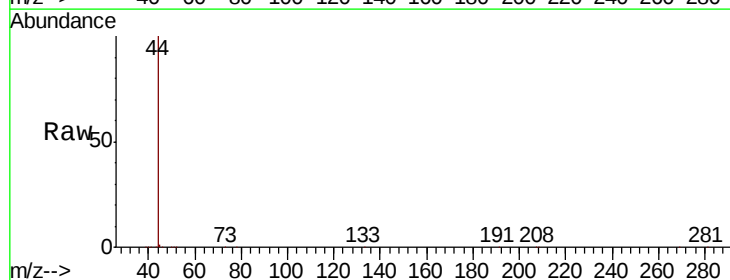
Acq: 24 Apr 2020 19:21

Tgt Ion: 50 Resp: 336

Ion Ratio Lower Upper

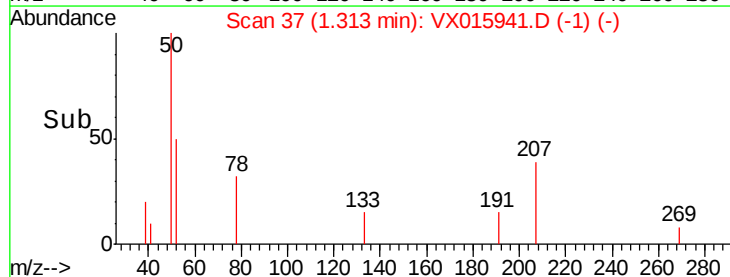
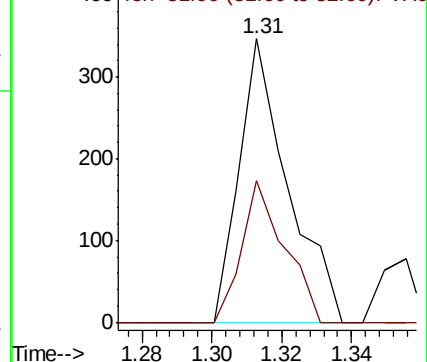
50 100

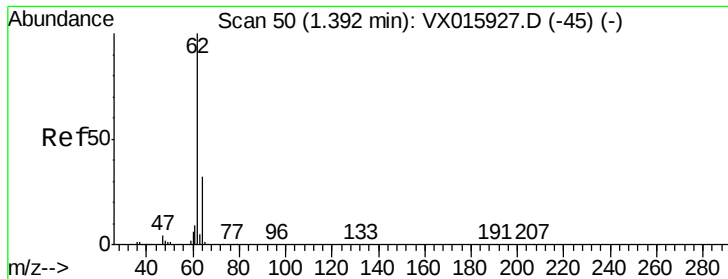
52 50.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.306 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

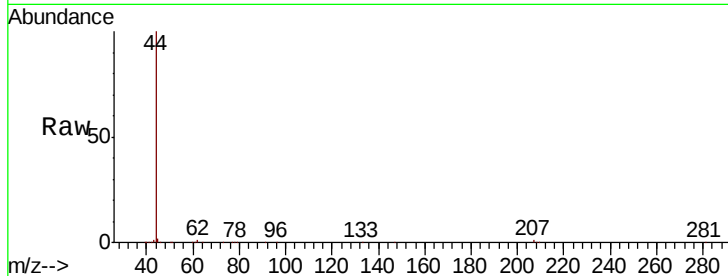
ST006MW079-200422

Tot Ion: 62 Resp: 607

Ion Ratio Lower Upper

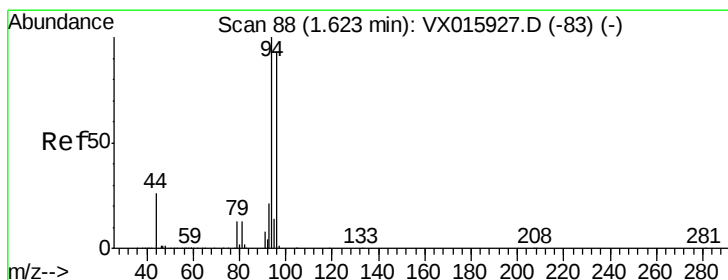
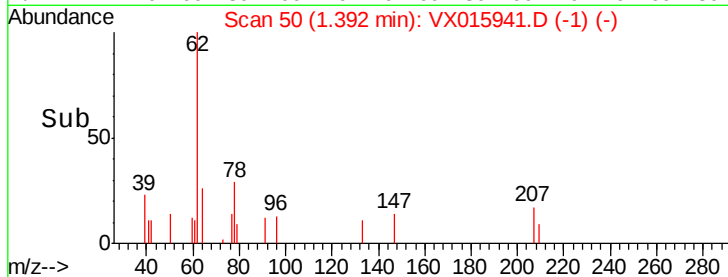
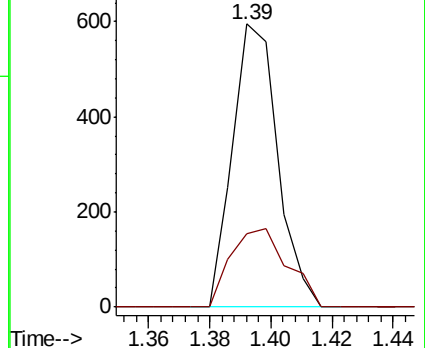
62 100

64 26.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.426 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015941.D

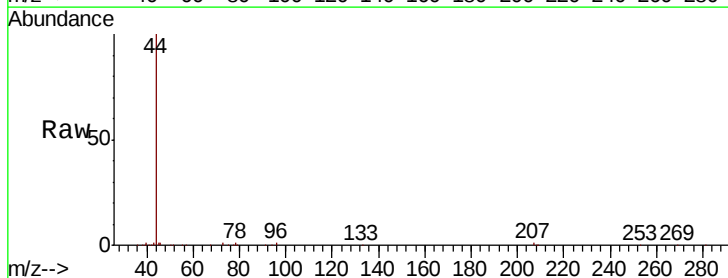
Acq: 24 Apr 2020 19:21

Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

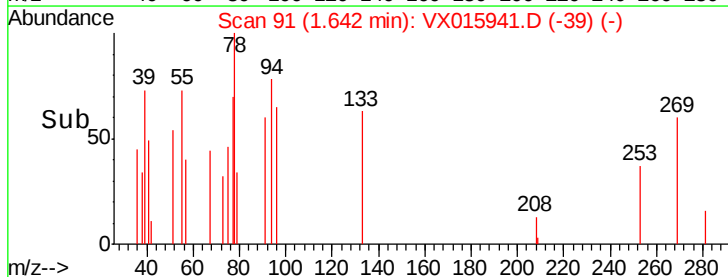
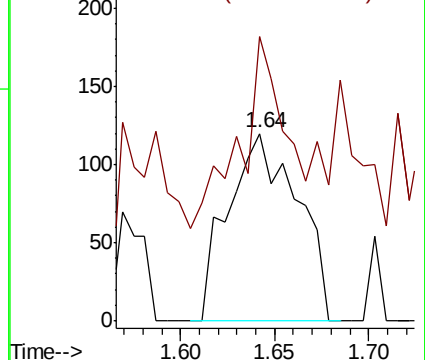
94 100

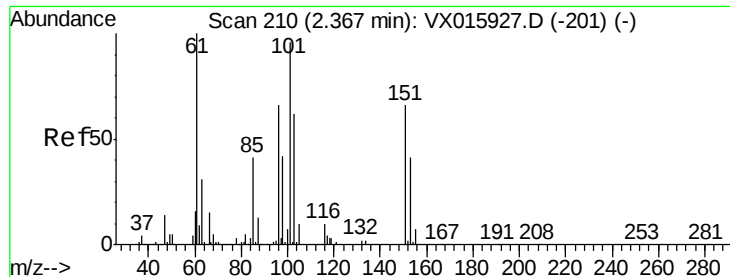
96 102.5 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.243 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

ST006MW079-200422

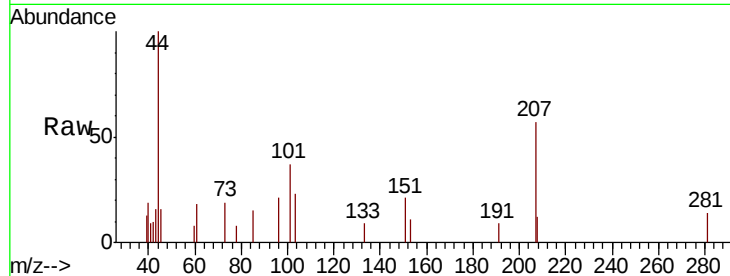
Tot Ion:101 Resp: 360

Ion Ratio Lower Upper

101 100

85 36.9 34.9 52.3

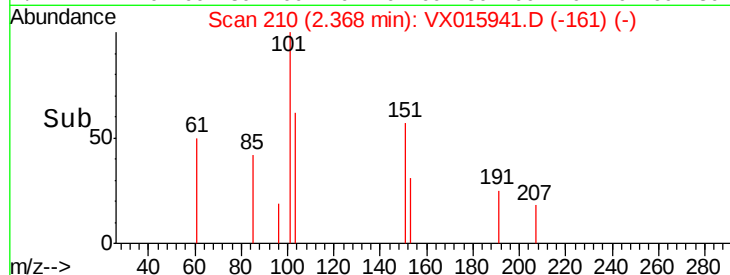
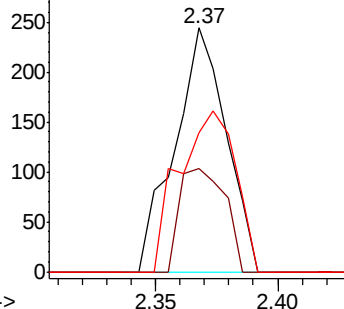
151 72.5 55.8 83.6



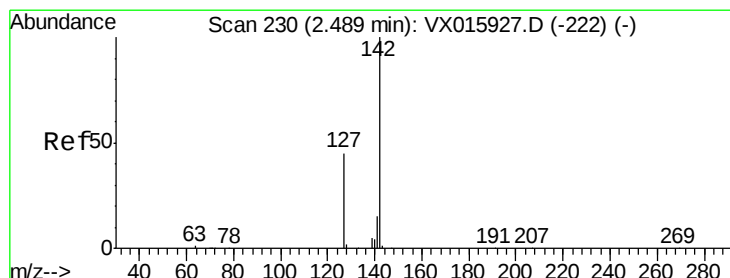
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 4.902 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

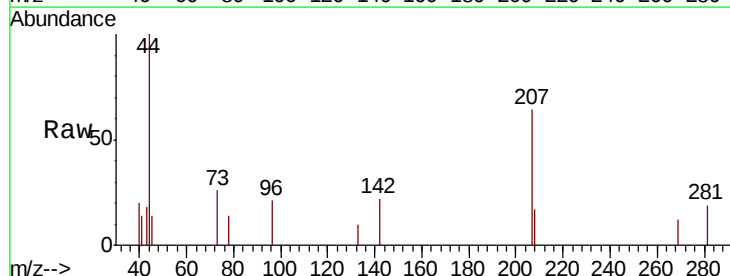
Tgt Ion:142 Resp: 168

Ion Ratio Lower Upper

142 100

127 11.3 34.4 51.6#

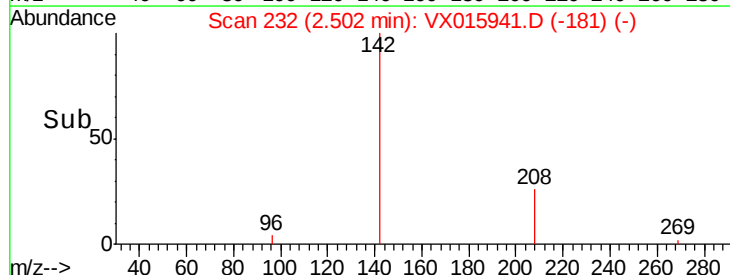
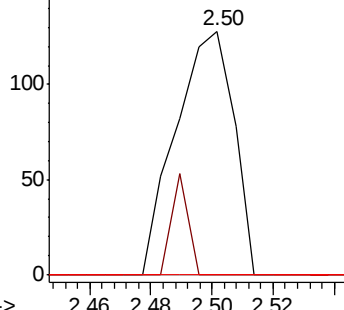
141 0.0 11.5 17.3#



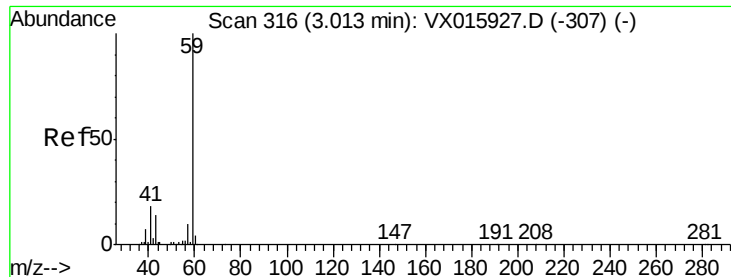
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

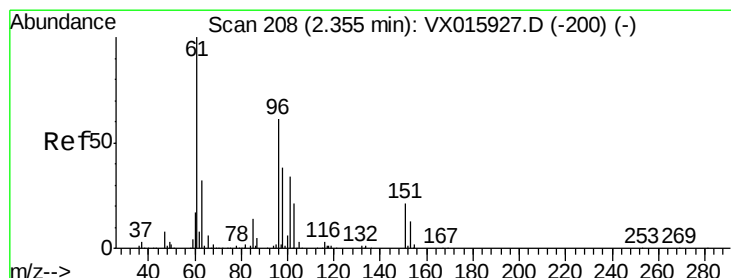
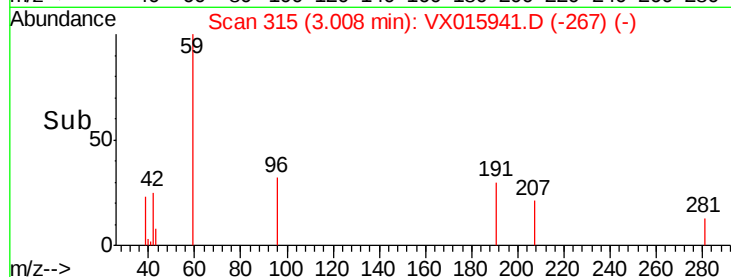
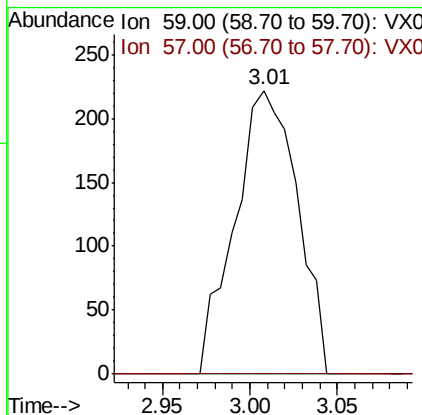
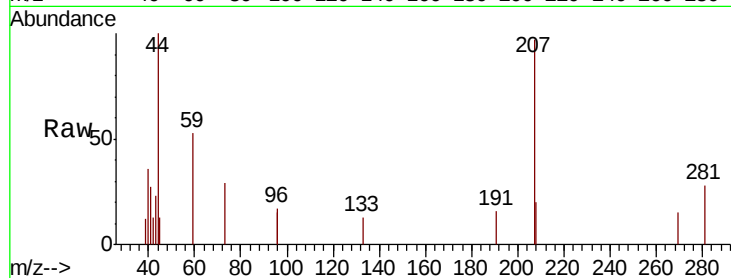


#11

Tert butyl alcohol
Concen: 1.331 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX015941.D
Acq: 24 Apr 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
ST006MW079-200422

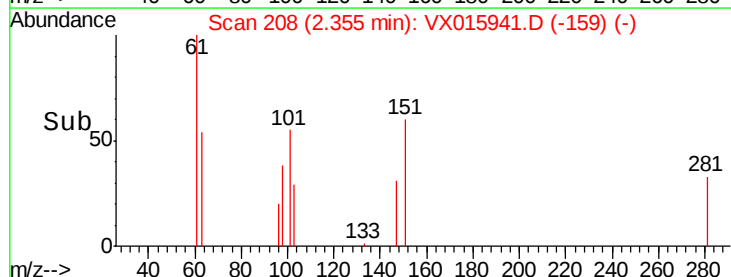
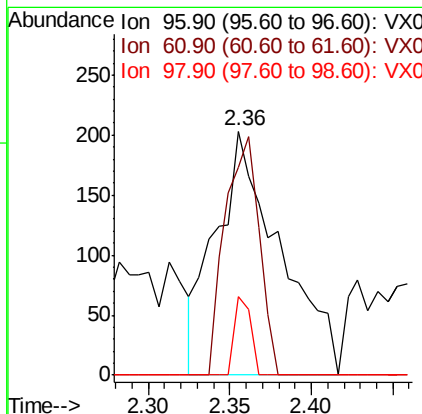
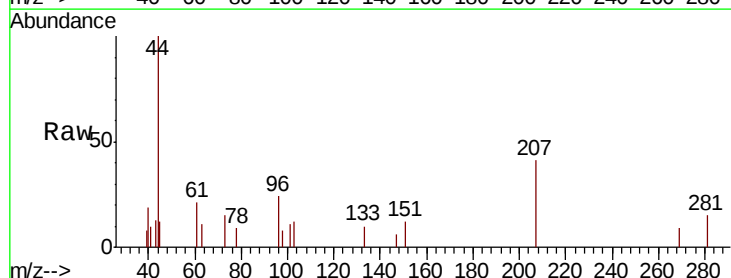
Tot Ion: 59 Resp: 553
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

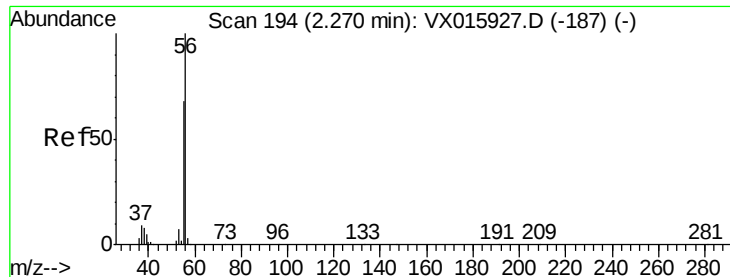


#12

1,1-Dichloroethene
Concen: 0.357 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015941.D
Acq: 24 Apr 2020 19:21

Tgt Ion: 96 Resp: 554
Ion Ratio Lower Upper
96 100
61 85.2 131.2 196.8#
98 32.0 50.2 75.4#





#13

Acrolein

Concen: 0.528 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

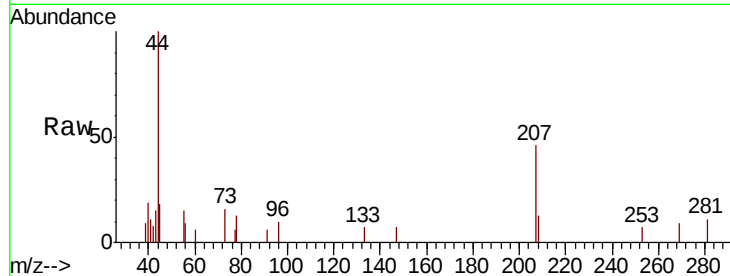
ST006MW079-200422

Tot Ion: 56 Resp: 136

Ion Ratio Lower Upper

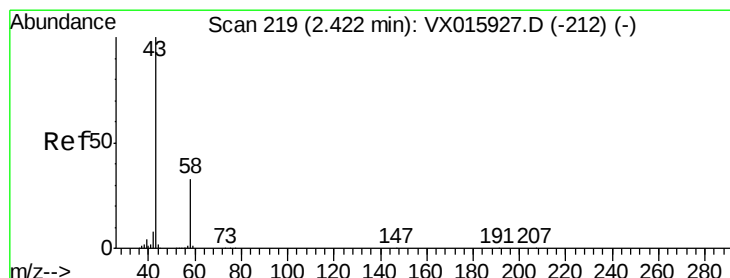
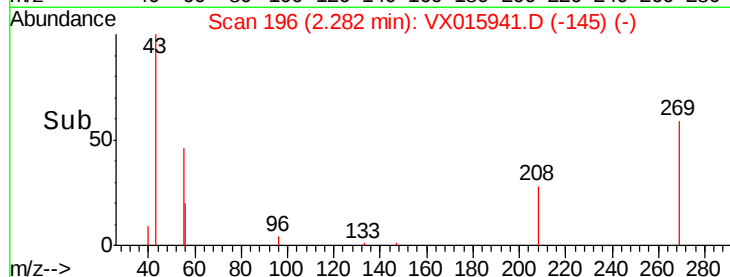
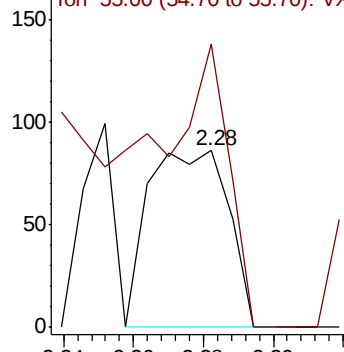
56 100

55 82.4 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.386 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015941.D

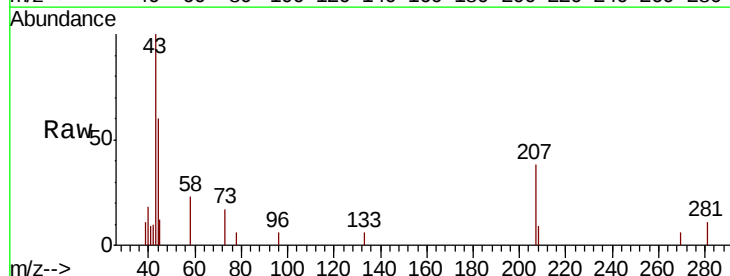
Acq: 24 Apr 2020 19:21

Tgt Ion: 43 Resp: 1730

Ion Ratio Lower Upper

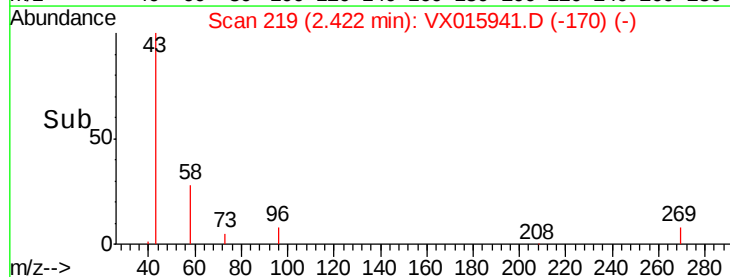
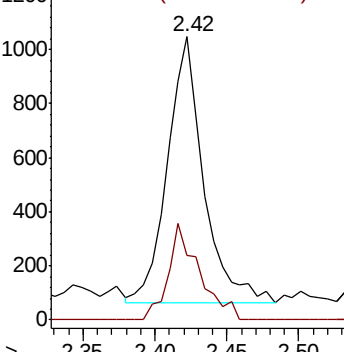
43 100

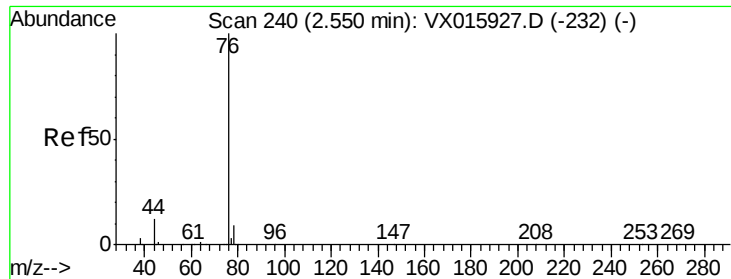
58 24.4 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.305 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

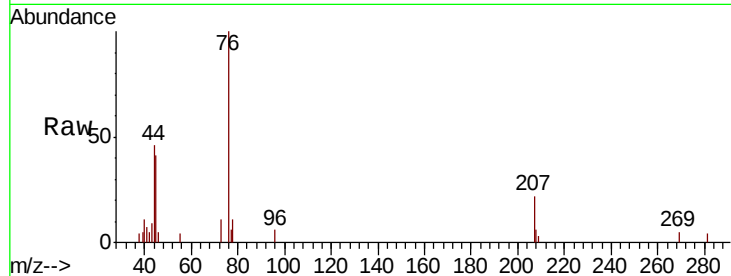
ST006MW079-200422

Tot Ion: 76 Resp: 2575

Ion Ratio Lower Upper

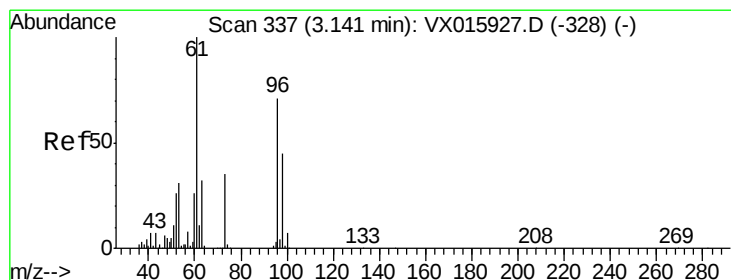
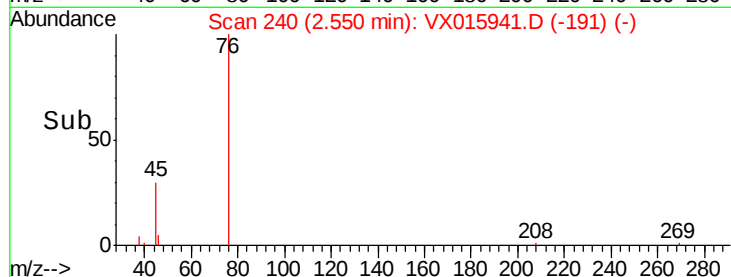
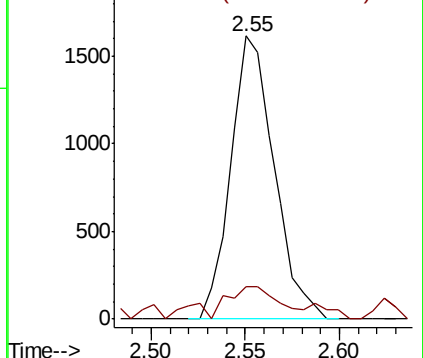
76 100

78 7.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.355 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

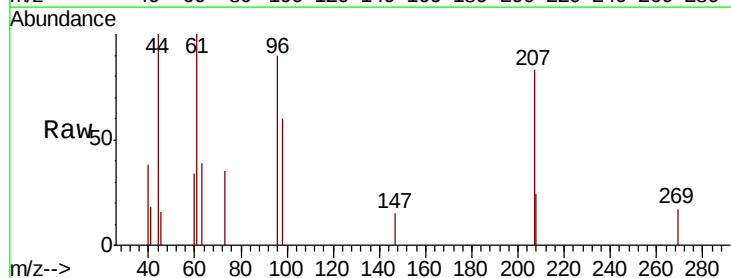
Tgt Ion: 96 Resp: 615

Ion Ratio Lower Upper

96 100

61 133.0 112.7 169.1

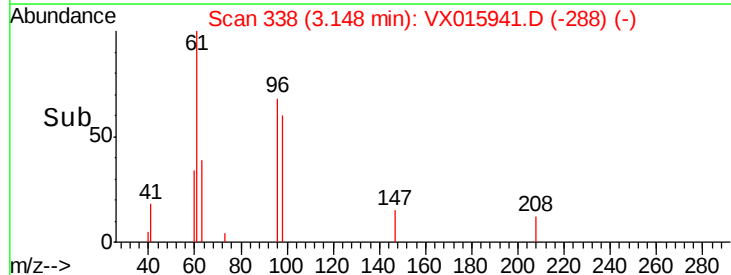
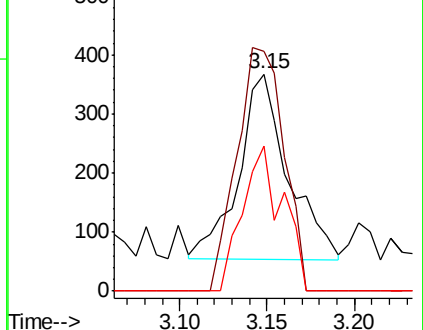
98 80.1 51.0 76.4#

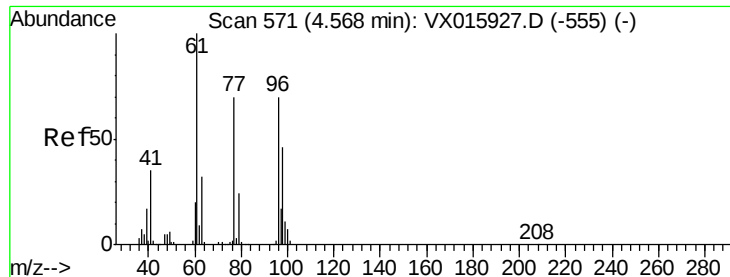


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



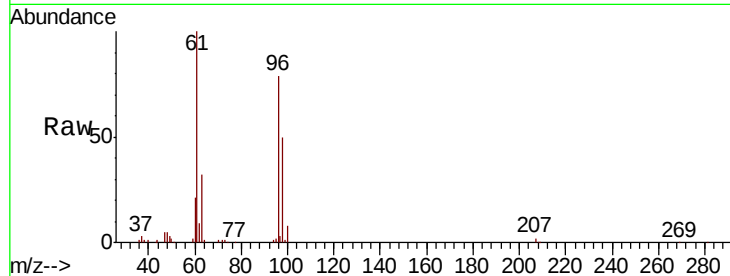


#27

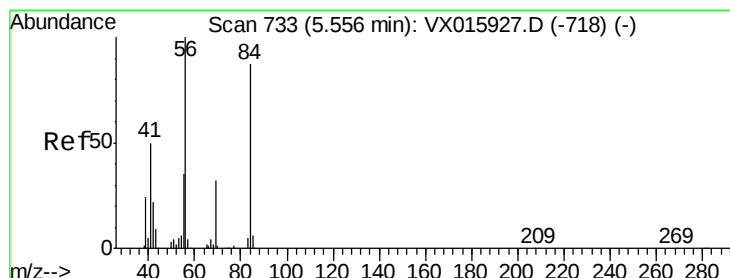
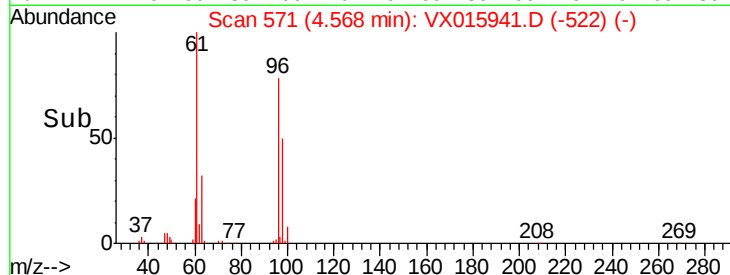
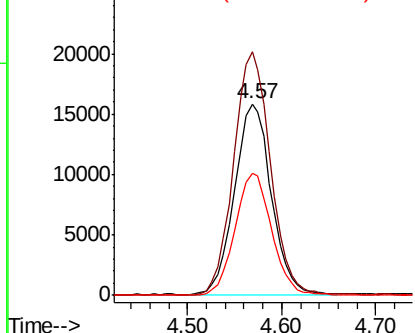
cis-1,2-Dichloroethene
 Concen: 21.768 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VX015941.D
 Acq: 24 Apr 2020 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW079-200422

Tot Ion	96	Resp	42766
Ion	Ratio	Lower	Upper
96	100		
61	128.9	0.0	293.4
98	64.3	0.0	129.0



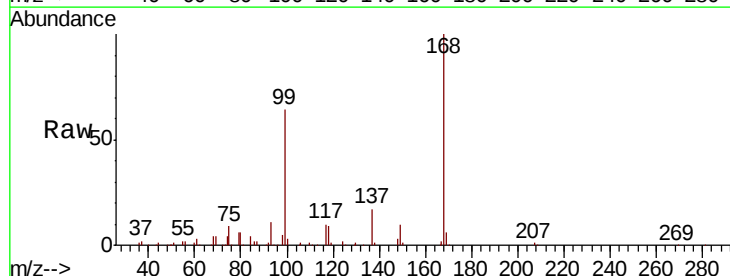
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



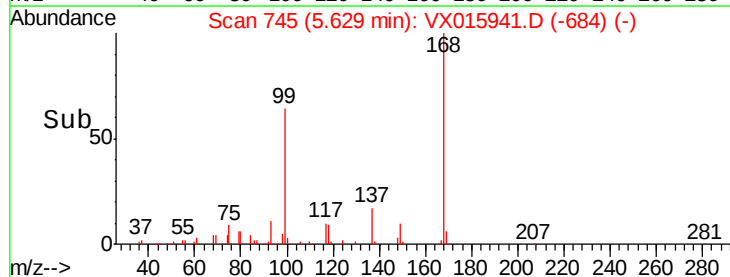
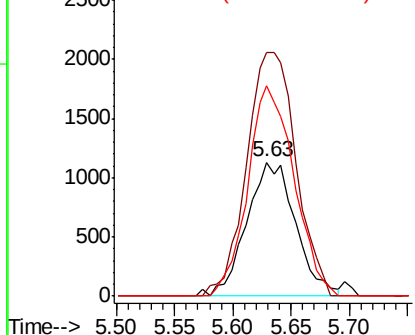
#31

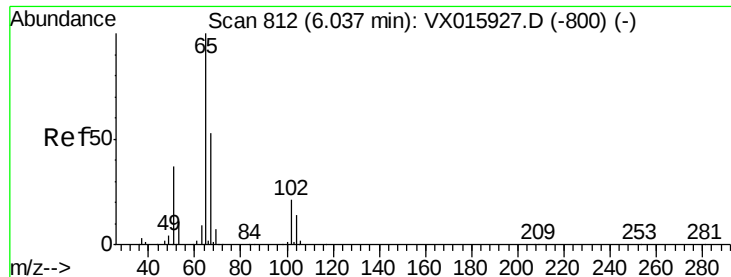
Cyclohexane
 Concen: 1.133 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.07 min
 Lab File: VX015941.D
 Acq: 24 Apr 2020 19:21

Tgt Ion	56	Resp	3284
Ion	Ratio	Lower	Upper
56	100		
69	182.1	25.4	38.0#
84	157.3	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: 52.062 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

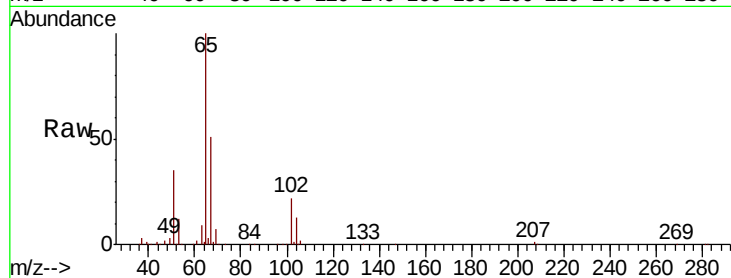
ST006MW079-200422

Tot Ion: 65 Resp: 100644

Ion Ratio Lower Upper

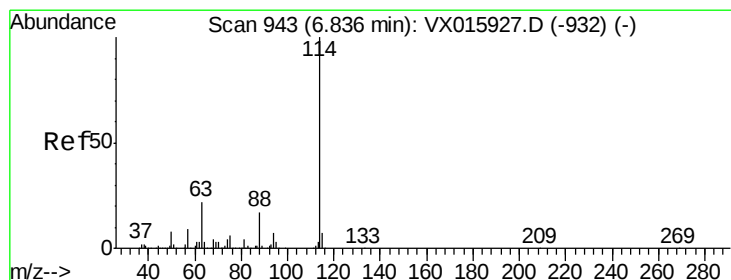
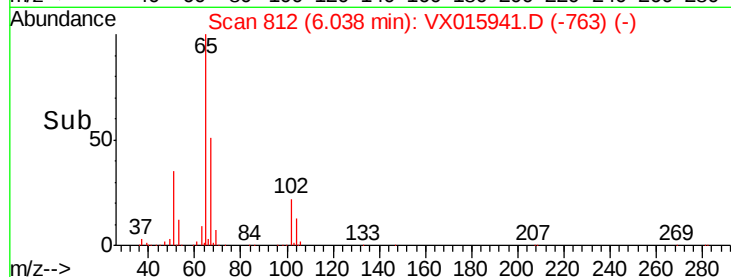
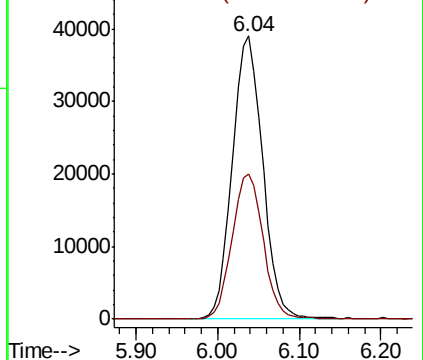
65 100

67 52.4 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: VX015941.D

Acq: 24 Apr 2020 19:21

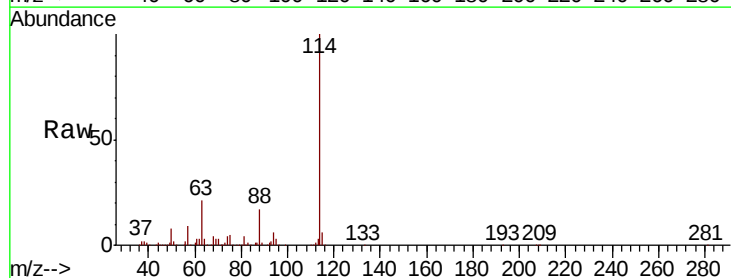
Tgt Ion: 114 Resp: 261468

Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.4

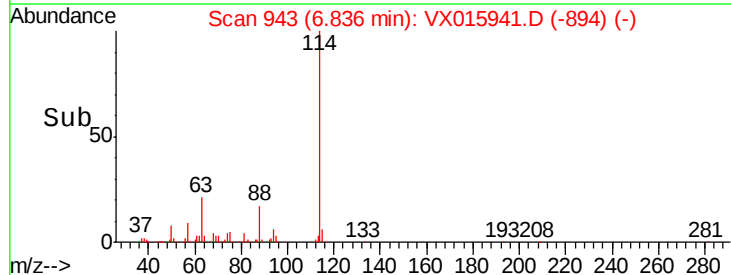
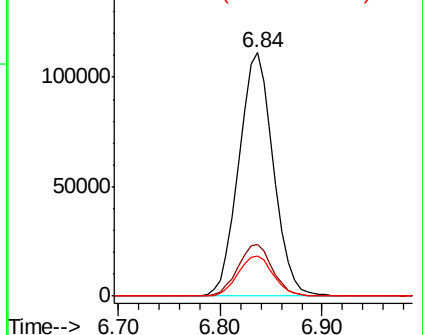
88 16.6 0.0 34.2

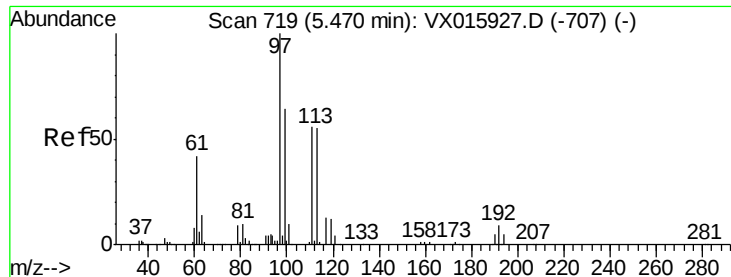


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

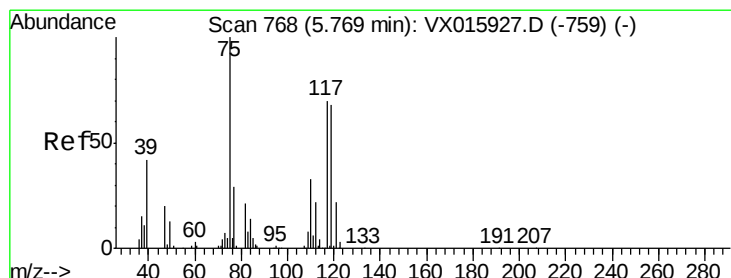
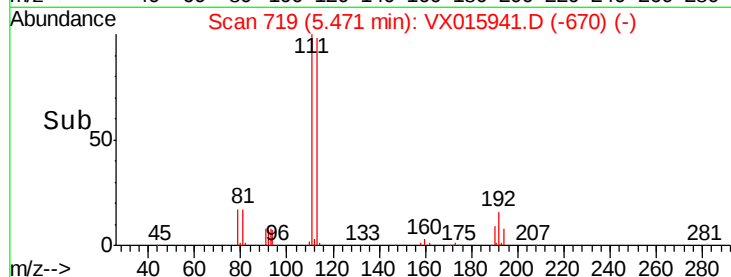
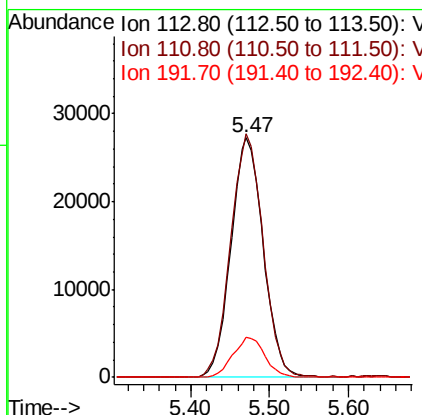
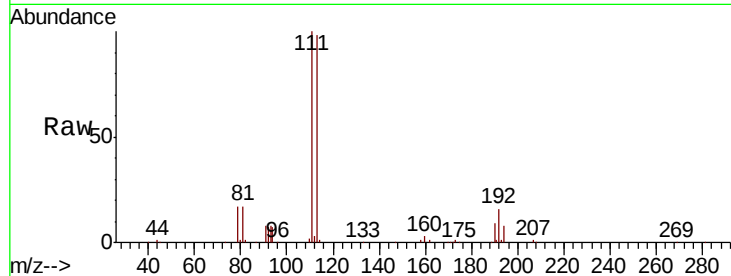




#35
 Dibromofluoromethane
 Concen: 54.464 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015941.D
 Acq: 24 Apr 2020 19:21

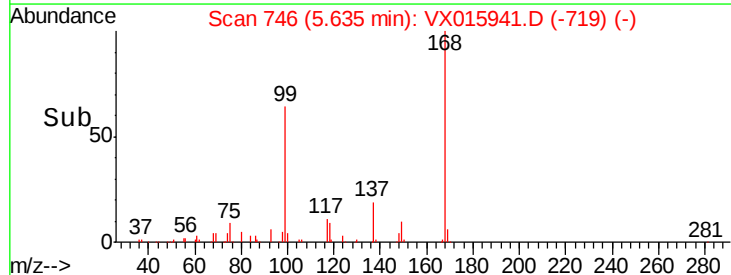
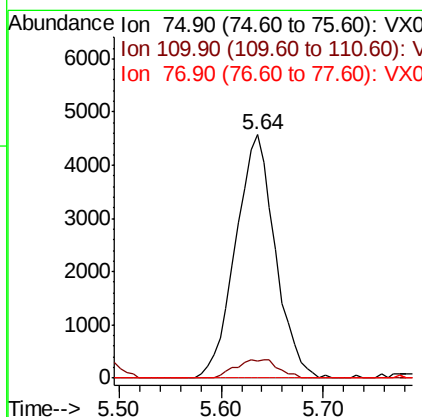
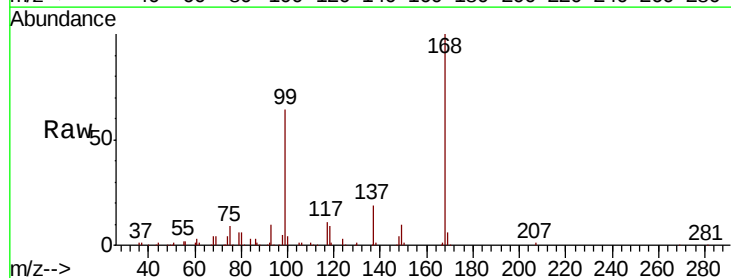
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW079-200422

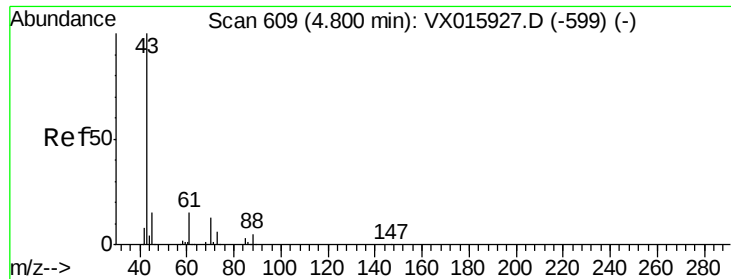
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.2	121.8
192	16.6	13.6	20.4



#36
 1,1-Dichloropropene
 Concen: 4.936 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX015941.D
 Acq: 24 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.1	51.3#
77	0.0	25.0	37.4#

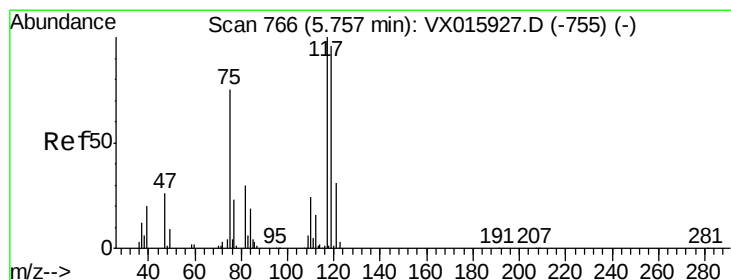
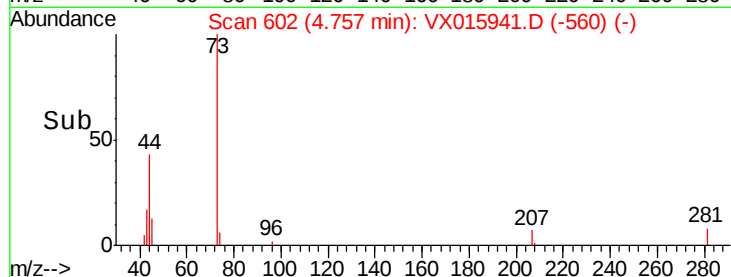
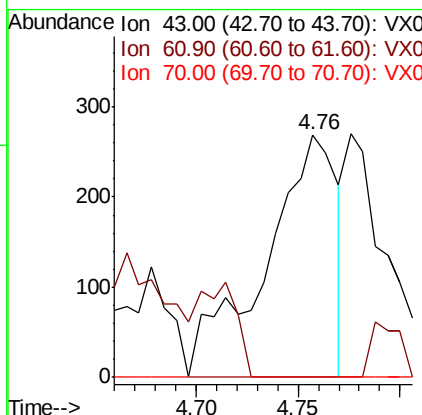
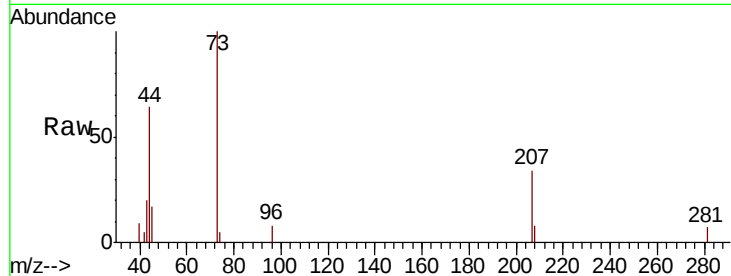




#37
Ethyl Acetate
Concen: 0.262 ug/l
RT: 4.76 min Scan# 602
Delta R.T. -0.04 min
Lab File: VX015941.D
Acq: 24 Apr 2020 19:21

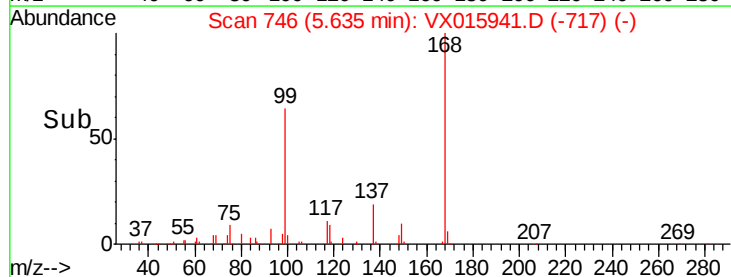
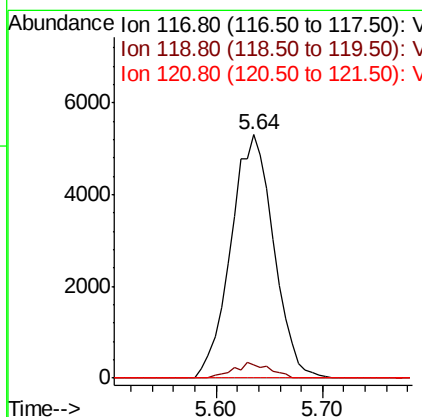
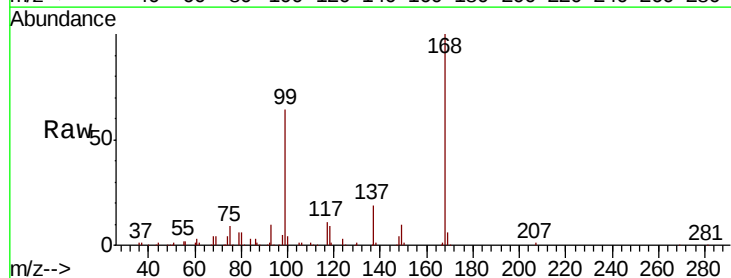
Instrument :
MSVOA_X
ClientSampleId :
ST006MW079-200422

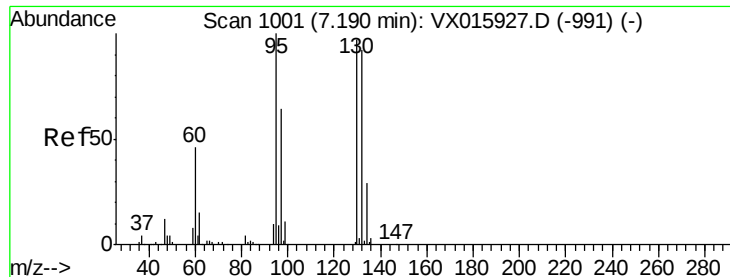
Tot Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 6.547 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX015941.D
Acq: 24 Apr 2020 19:21

Tgt Ion: 117 Resp: 14929
Ion Ratio Lower Upper
117 100
119 5.3 77.0 115.6#
121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 9.960 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

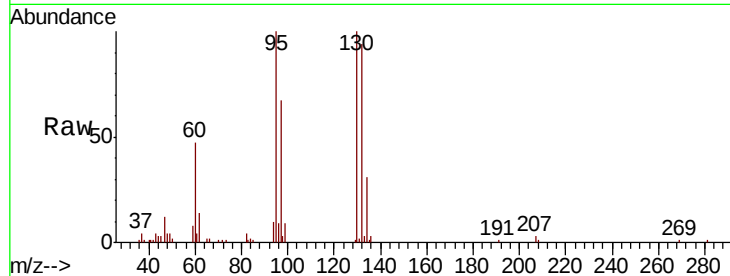
ST006MW079-200422

Tot Ion:130 Resp: 22390

Ion Ratio Lower Upper

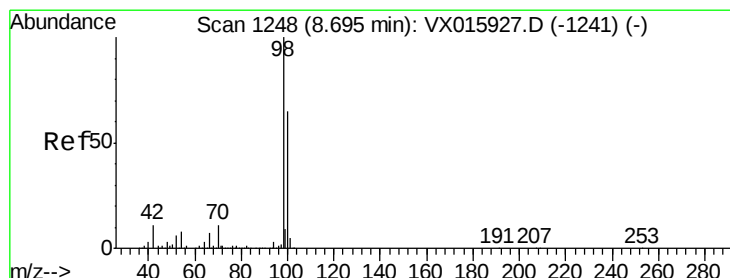
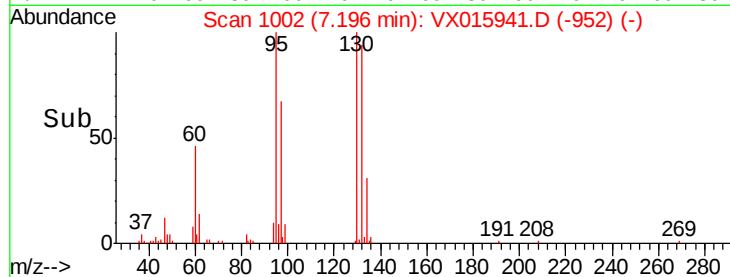
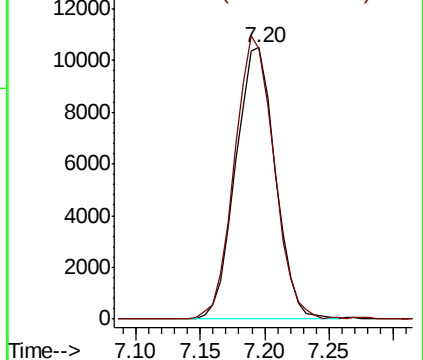
130 100

95 99.6 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: 54.139 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015941.D

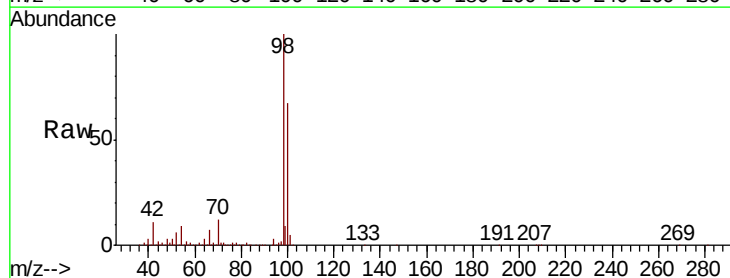
Acq: 24 Apr 2020 19:21

Tgt Ion: 98 Resp: 326854

Ion Ratio Lower Upper

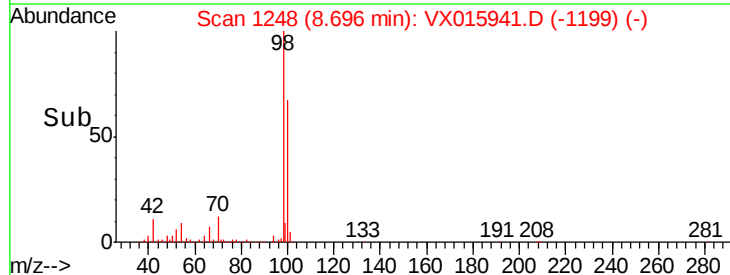
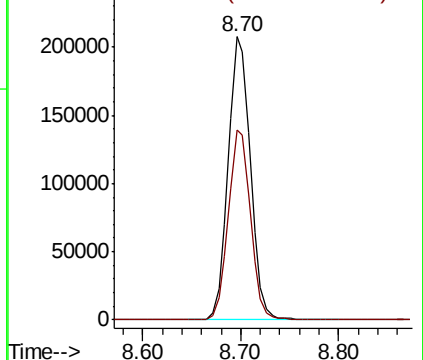
98 100

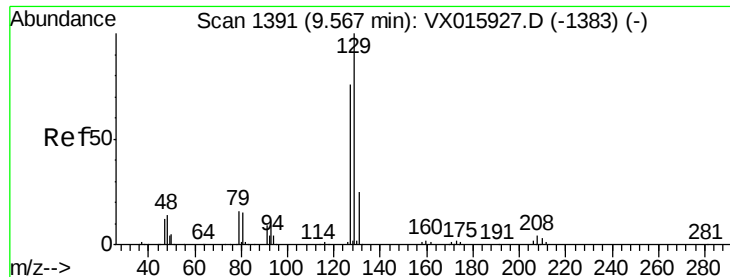
100 67.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 7.230 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. -0.24 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

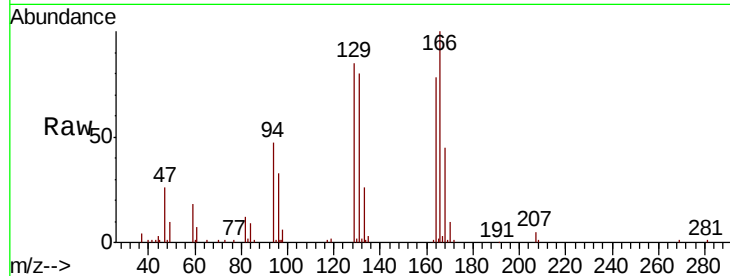
ST006MW079-200422

Tot Ion:129 Resp: 13284

Ion Ratio Lower Upper

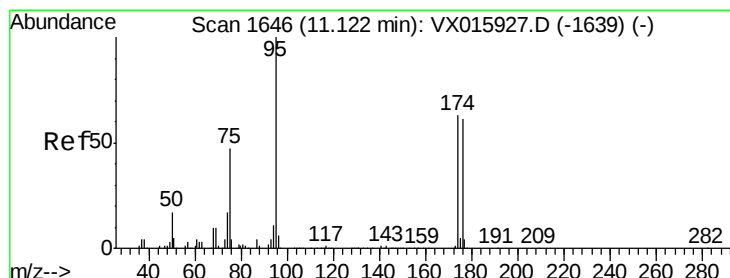
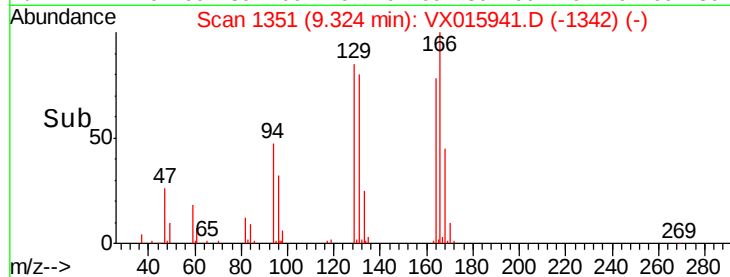
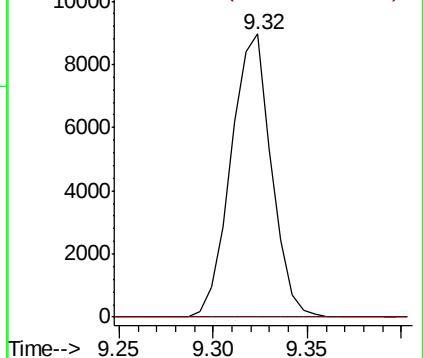
129 100

127 0.0 38.8 116.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 55.225 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

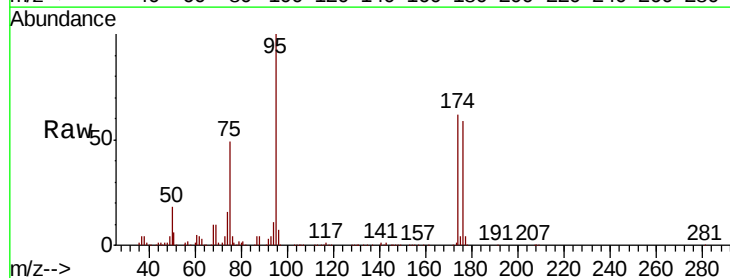
Tgt Ion: 95 Resp: 135232

Ion Ratio Lower Upper

95 100

174 64.0 0.0 133.6

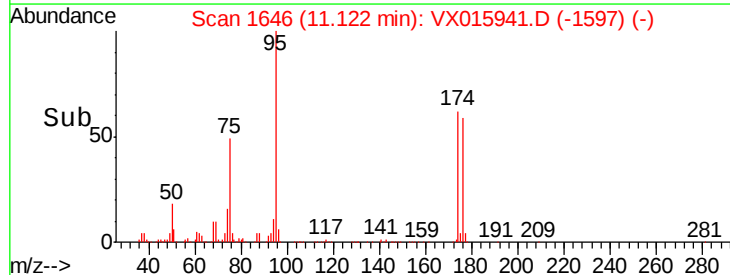
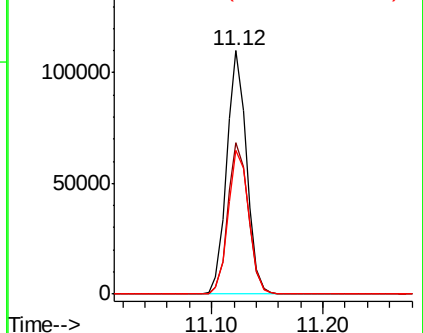
176 61.4 0.0 126.0

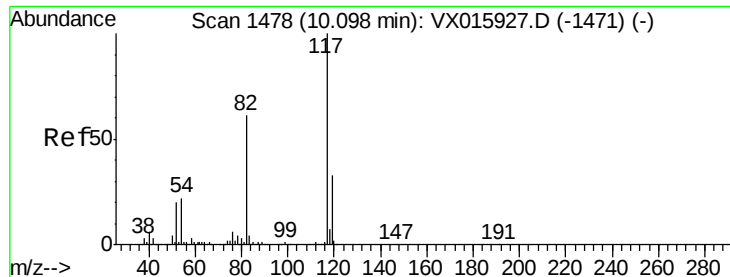


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

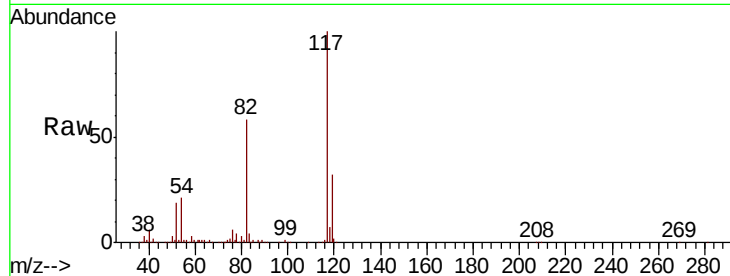




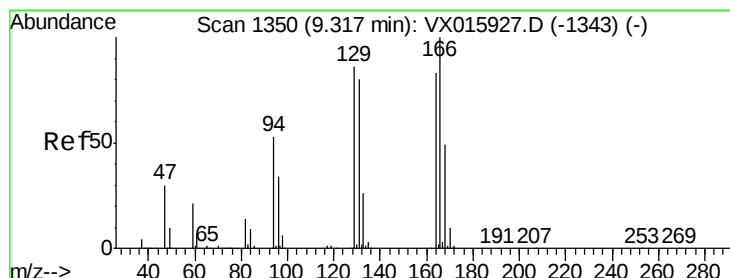
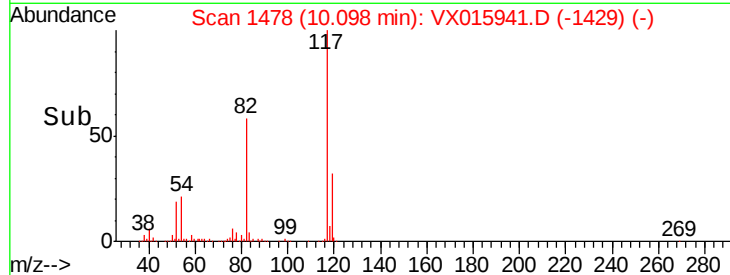
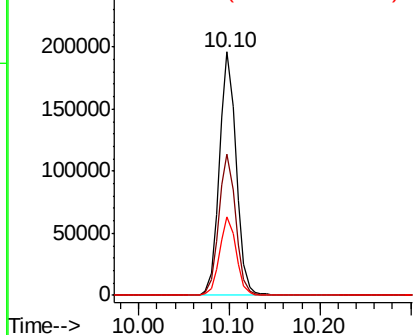
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015941.D
Acq: 24 Apr 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
ST006MW079-200422

Tot Ion:117 Resp: 254404
Ion Ratio Lower Upper
117 100
82 58.0 48.5 72.7
119 32.0 26.2 39.4

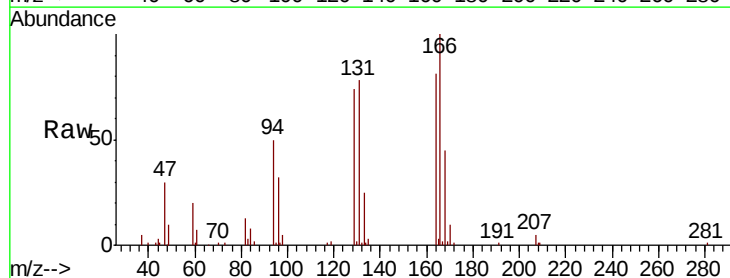


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

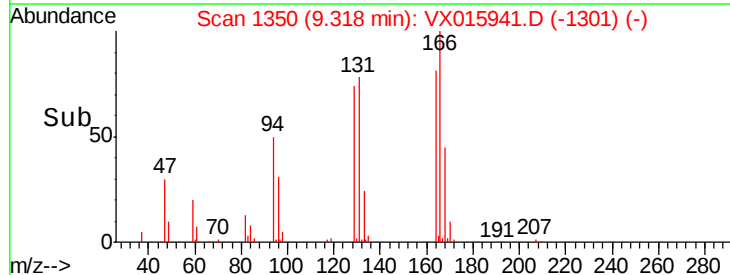
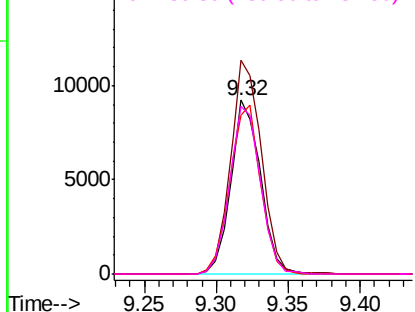


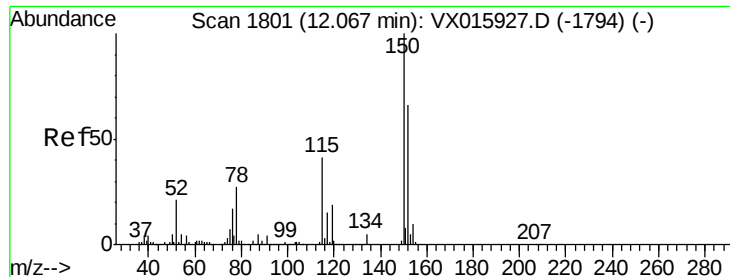
#64
Tetrachloroethene
Concen: 5.248 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015941.D
Acq: 24 Apr 2020 19:21

Tgt Ion:164 Resp: 13285
Ion Ratio Lower Upper
164 100
166 123.1 96.7 145.1
129 91.3 82.8 124.2
131 96.3 77.0 115.4



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

ST006MW079-200422

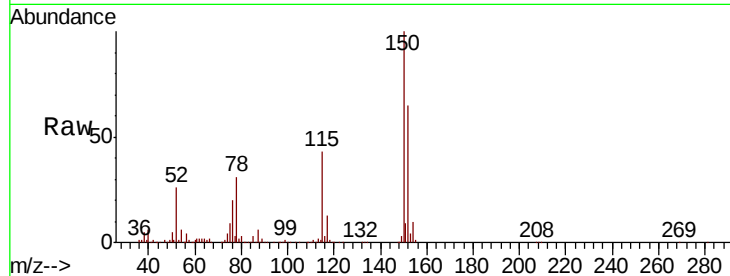
Tot Ion:152 Resp: 120565

Ion Ratio Lower Upper

152 100

115 64.7 44.1 132.4

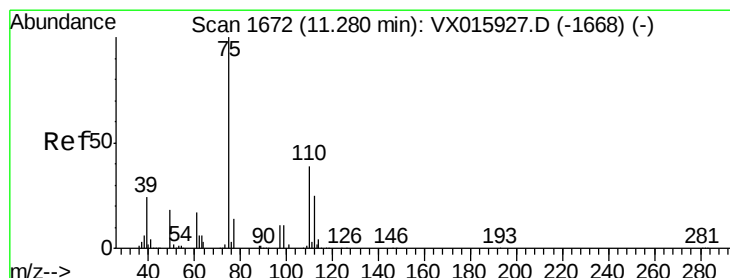
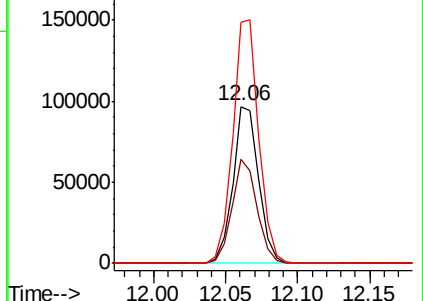
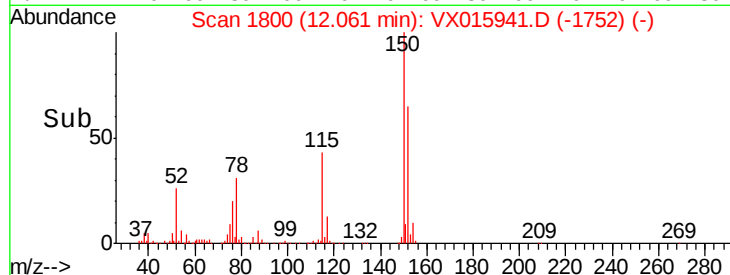
150 156.8 0.0 343.6



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: 26.063 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015941.D

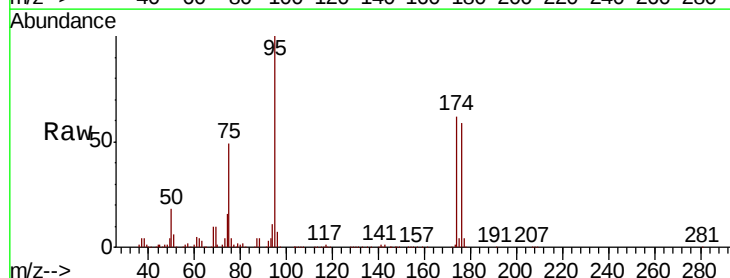
Acq: 24 Apr 2020 19:21

Tgt Ion: 75 Resp: 67404

Ion Ratio Lower Upper

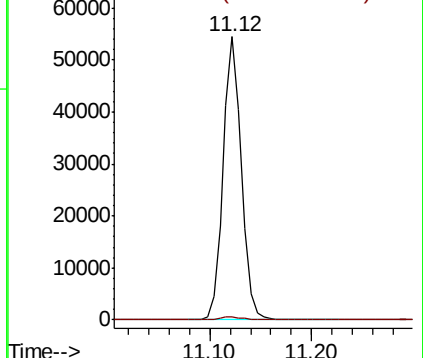
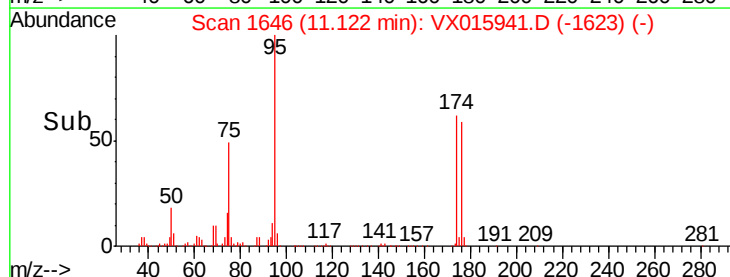
75 100

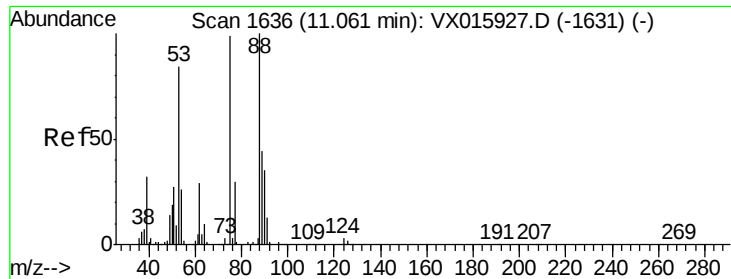
77 1.3 22.1 66.5#



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: 58.709 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015941.D

Acq: 24 Apr 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

ST006MW079-200422

Tot Ion: 75 Resp: 67404

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#

