

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015944.D
 Acq On : 24 Apr 2020 20:29
 Operator : JC/SP
 Sample : L2414-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW184-200422

Quant Time: Apr 25 06:54:22 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	137957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	260306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	251734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	125133	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	98529	50.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.16%	
35) Dibromofluoromethane	5.47	113	76420	53.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.66%	
50) Toluene-d8	8.70	98	325621	54.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.36%	
62) 4-Bromofluorobenzene	11.12	95	136159	55.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.70%	

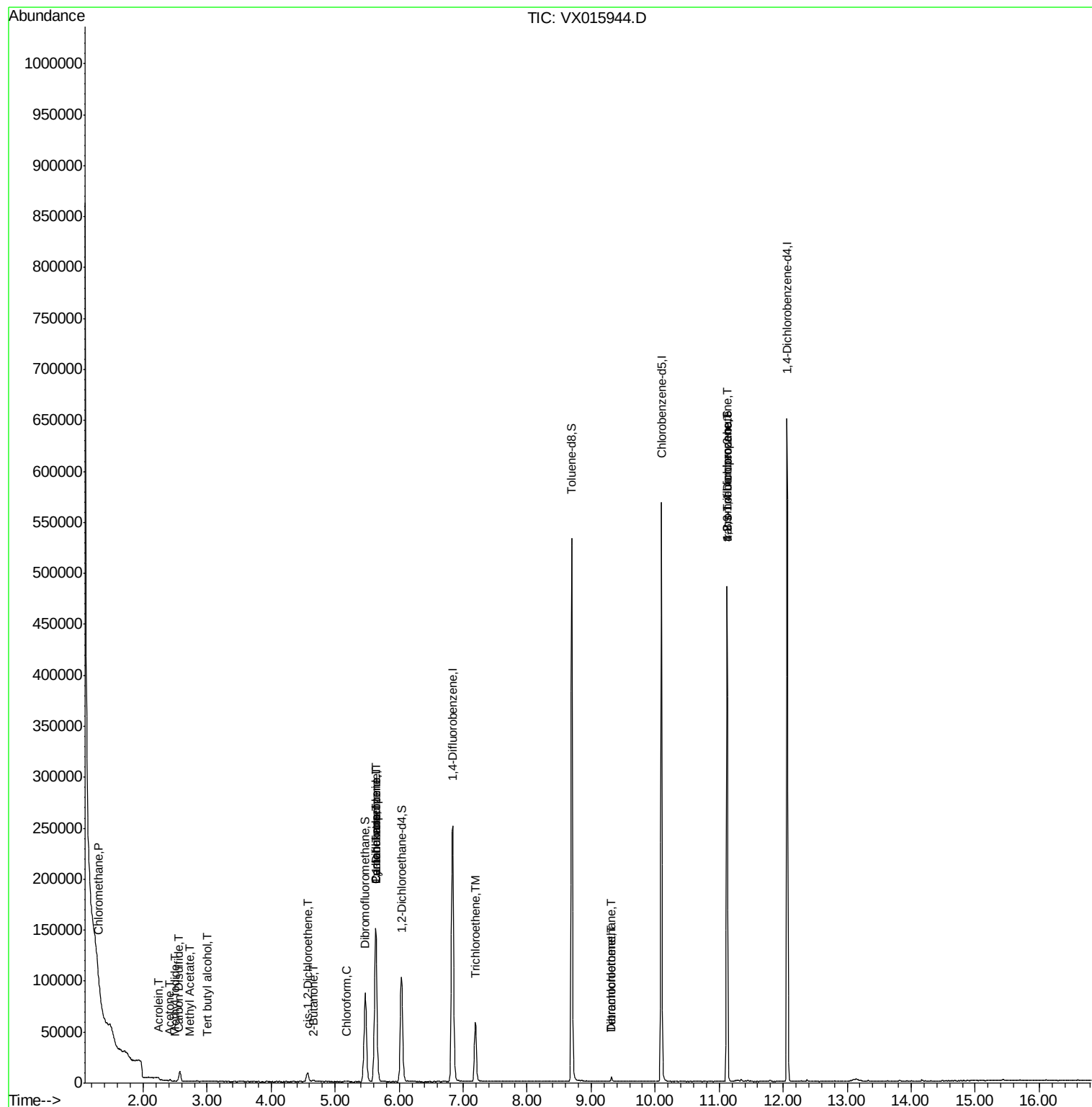
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	371	0.237	ug/l #	56
10) Methyl Iodide	2.50	142	120	4.876	ug/l #	41
11) Tert butyl alcohol	3.01	59	307	0.734	ug/l #	72
13) Acrolein	2.24	56	93	0.358	ug/l #	1
16) Acetone	2.42	43	1582	2.165	ug/l	91
17) Carbon Disulfide	2.55	76	2226	0.218	ug/l #	94
18) Methyl Acetate	2.74	43	488	0.221	ug/l #	49
25) 2-Butanone	4.65	43	440	0.370	ug/l #	47
27) cis-1,2-Dichloroethene	4.57	96	5961	3.011	ug/l	82
30) Chloroform	5.18	83	943	0.306	ug/l	89
31) Cyclohexane	5.64	56	3200	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	12369	4.979	ug/l #	49
38) Carbon Tetrachloride	5.64	117	14727	6.487	ug/l #	16
44) Trichloroethene	7.19	130	21562	9.634	ug/l	98
60) Dibromochloromethane	9.32	129	662	0.362	ug/l #	11
64) Tetrachloroethene	9.32	164	692	0.276	ug/l	86
76) 1,2,3-Trichloropropane	11.12	75	68725	25.604	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	68725	57.675	ug/l #	14

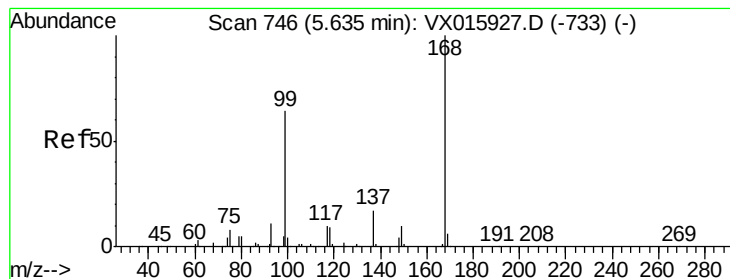
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 24 13:17:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

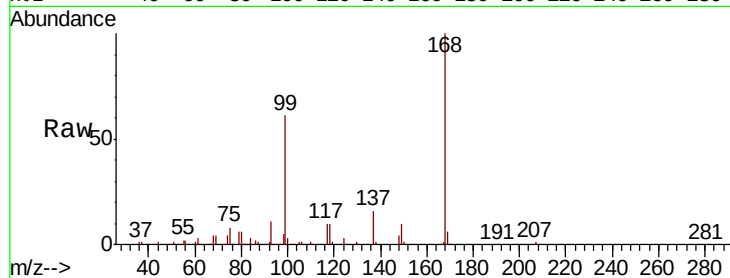
ST006MW184-200422

Tot Ion:168 Resp: 137957

Ion Ratio Lower Upper

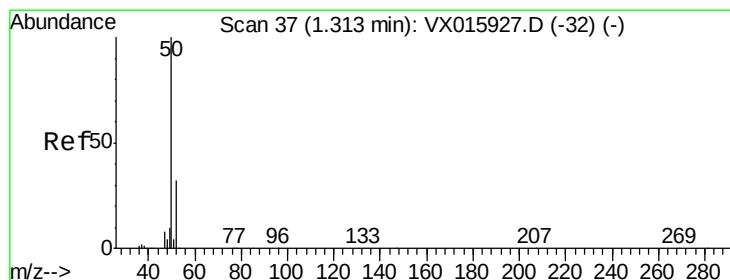
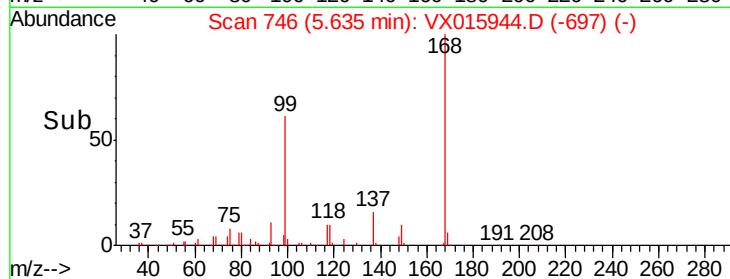
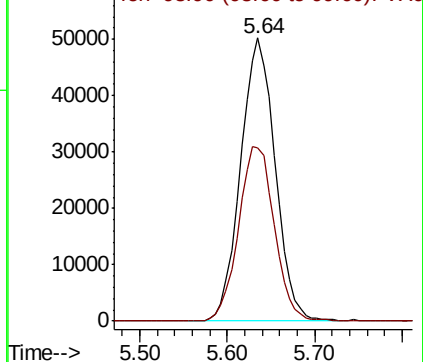
168 100

99 61.4 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: 0.237 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015944.D

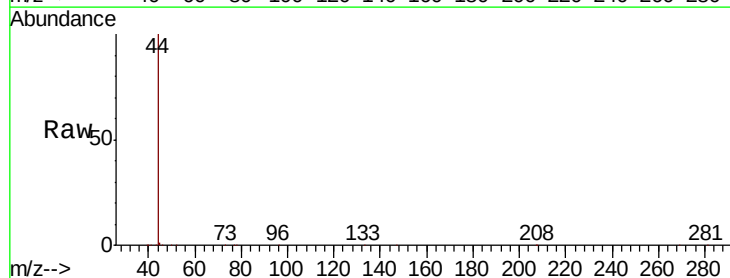
Acq: 24 Apr 2020 20:29

Tgt Ion: 50 Resp: 371

Ion Ratio Lower Upper

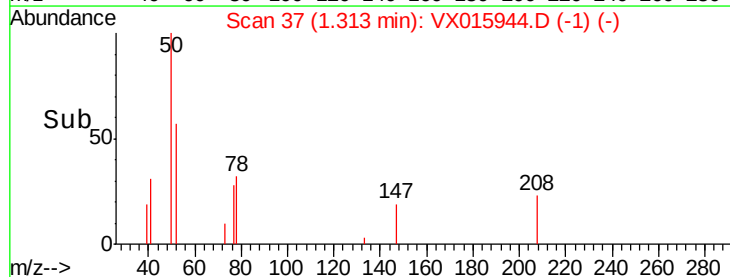
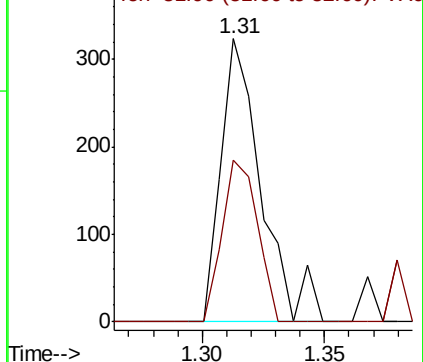
50 100

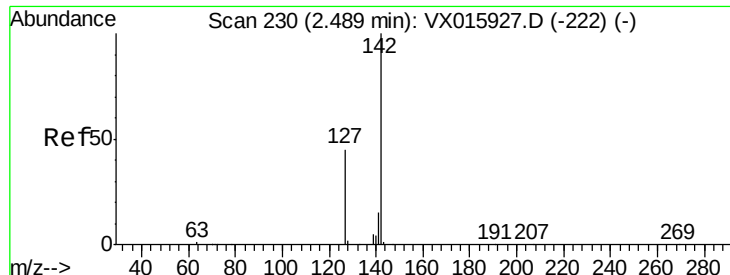
52 57.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

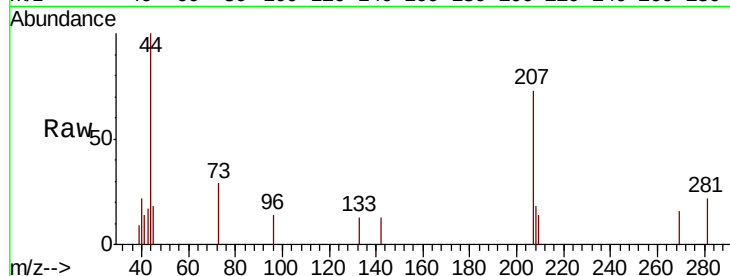




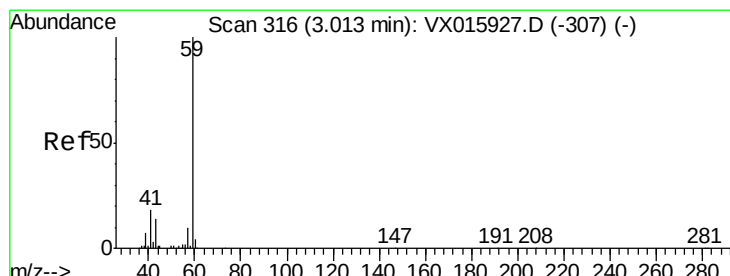
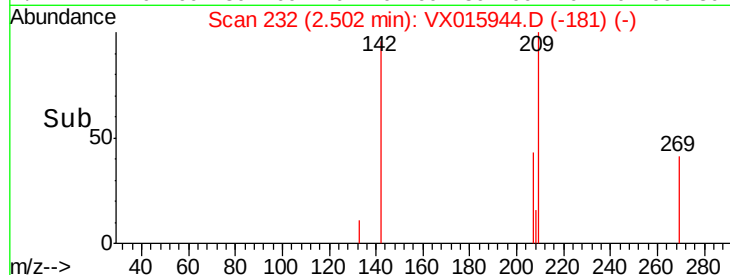
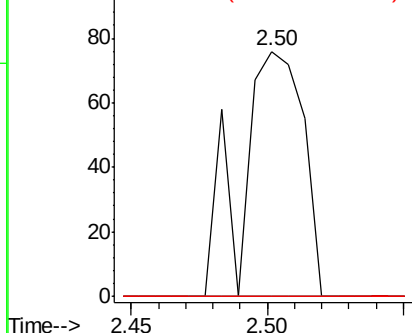
#10
Methyl Iodide
Concen: 4.876 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX015944.D
Acq: 24 Apr 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
ST006MW184-200422

Tot Ion: 142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.5 17.3#

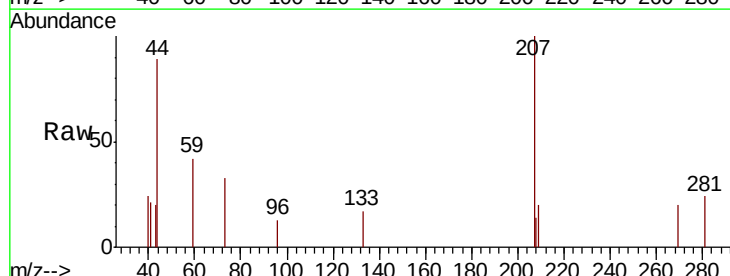


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

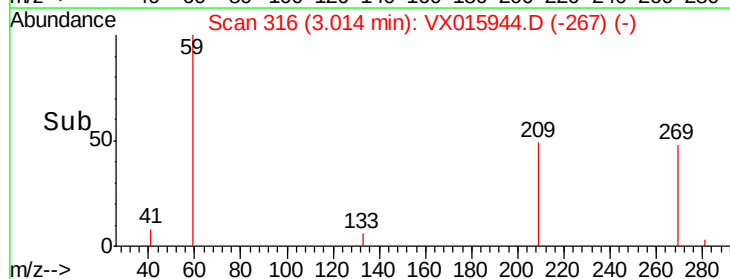
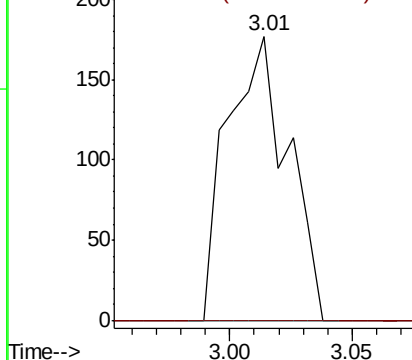


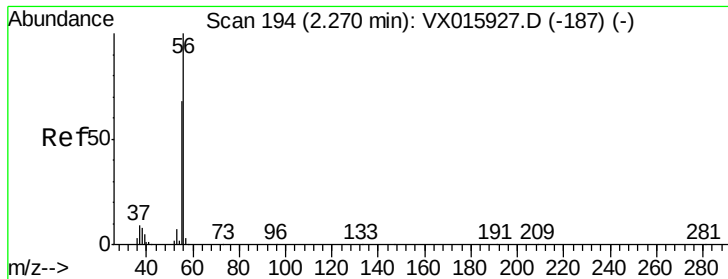
#11
Tert butyl alcohol
Concen: 0.734 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015944.D
Acq: 24 Apr 2020 20:29

Tgt Ion: 59 Resp: 307
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: 0.358 ug/l

RT: 2.24 min Scan# 189

Delta R.T. -0.03 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

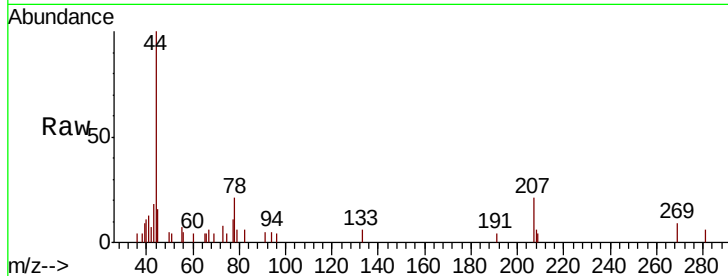
ST006MW184-200422

Tot Ion: 56 Resp: 93

Ion Ratio Lower Upper

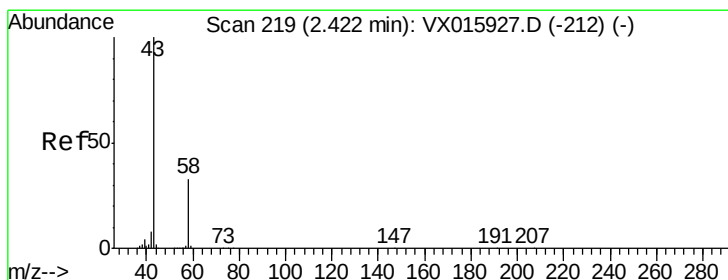
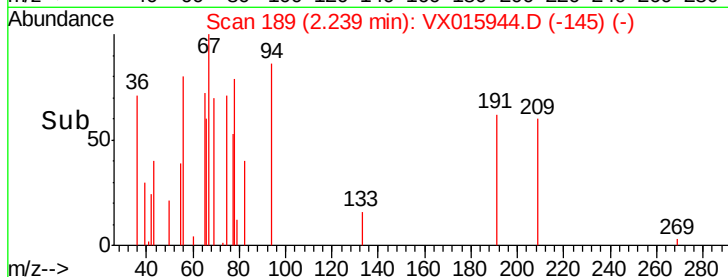
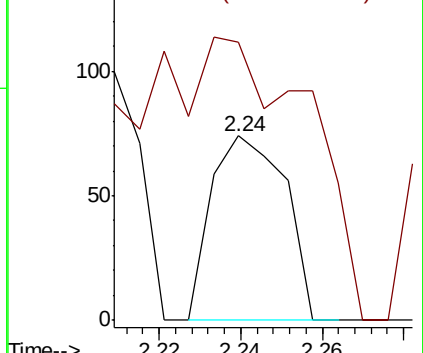
56 100

55 386.0 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: 2.165 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX015944.D

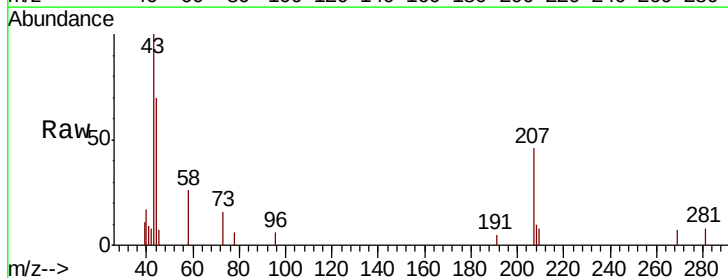
Acq: 24 Apr 2020 20:29

Tgt Ion: 43 Resp: 1582

Ion Ratio Lower Upper

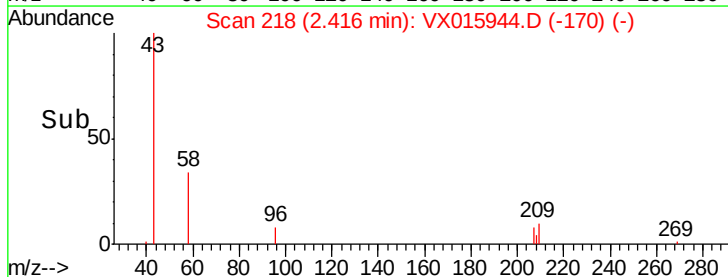
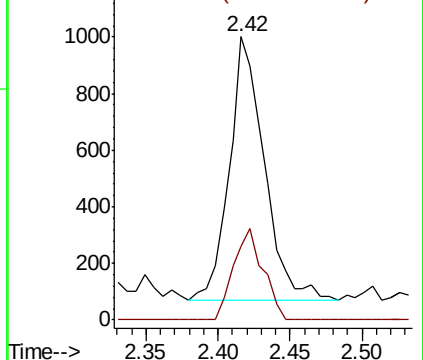
43 100

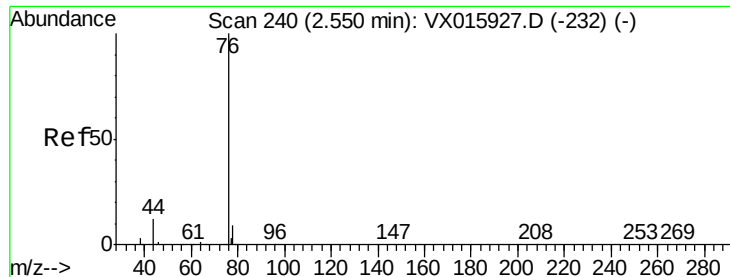
58 27.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

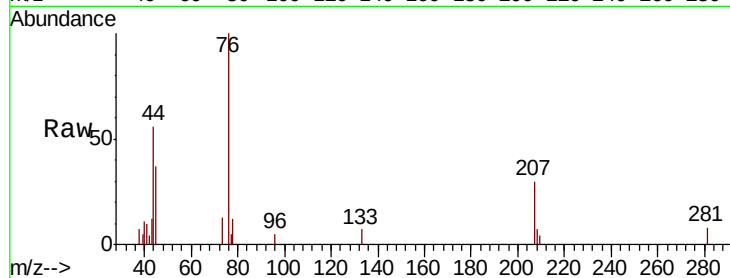
ST006MW184-200422

Tot Ion: 76 Resp: 2226

Ion Ratio Lower Upper

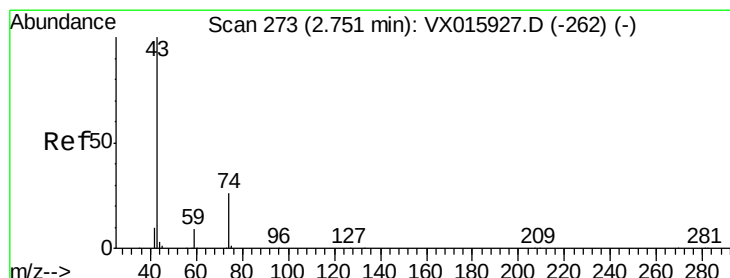
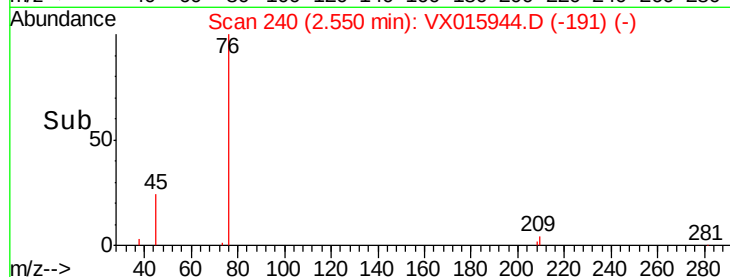
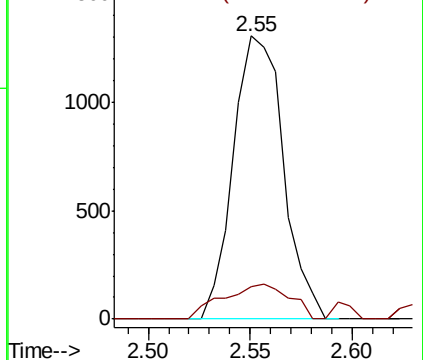
76 100

78 11.5 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.221 ug/l

RT: 2.74 min Scan# 271

Delta R.T. -0.01 min

Lab File: VX015944.D

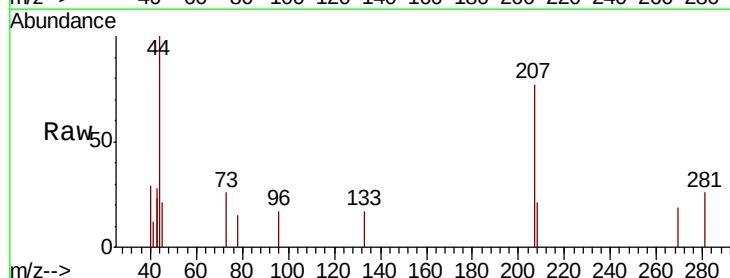
Acq: 24 Apr 2020 20:29

Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

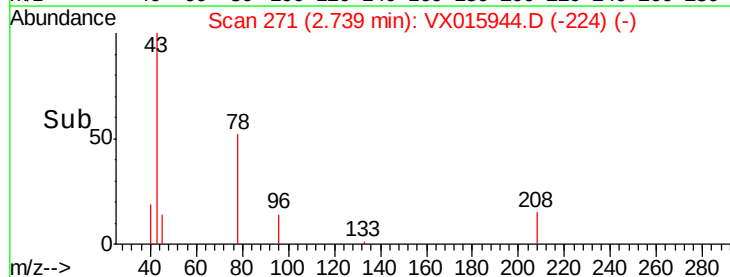
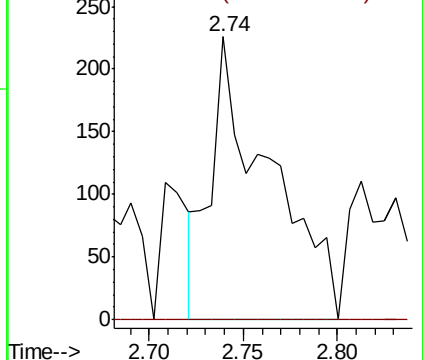
43 100

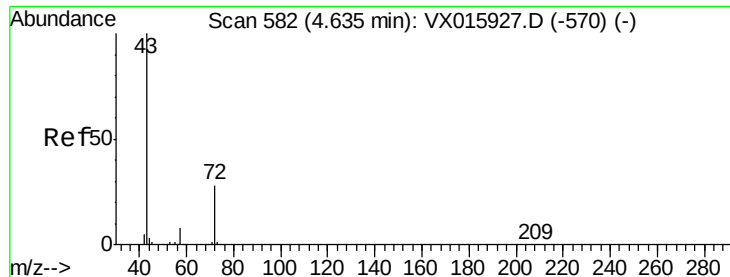
74 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.370 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

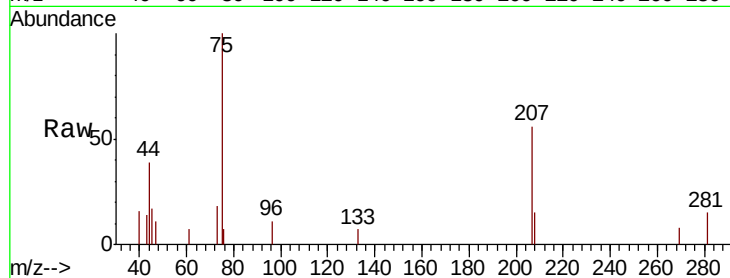
ST006MW184-200422

Tot Ion: 43 Resp: 440

Ion Ratio Lower Upper

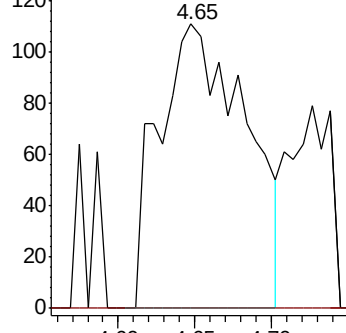
43 100

72 0.0 22.4 33.6#

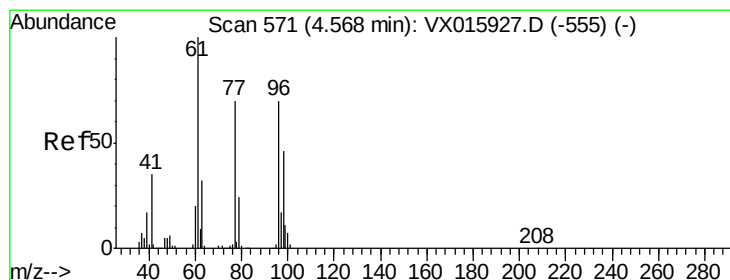
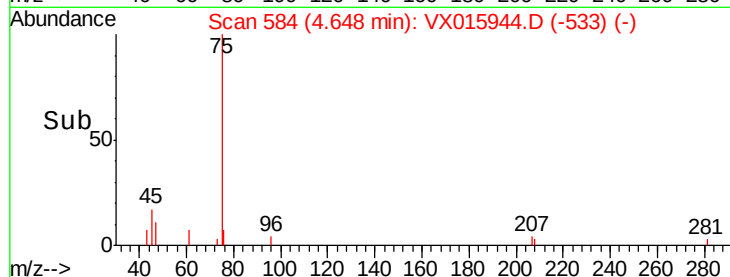


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 3.011 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

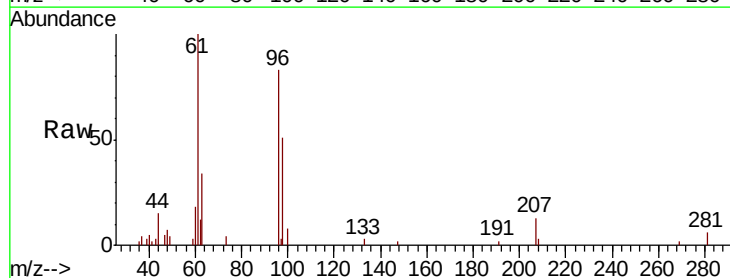
Tgt Ion: 96 Resp: 5961

Ion Ratio Lower Upper

96 100

61 117.8 0.0 293.4

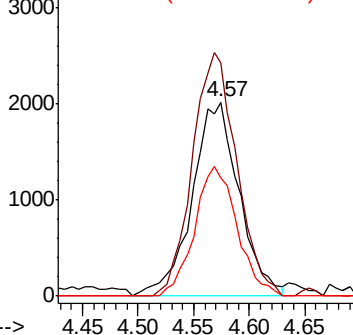
98 60.2 0.0 129.0



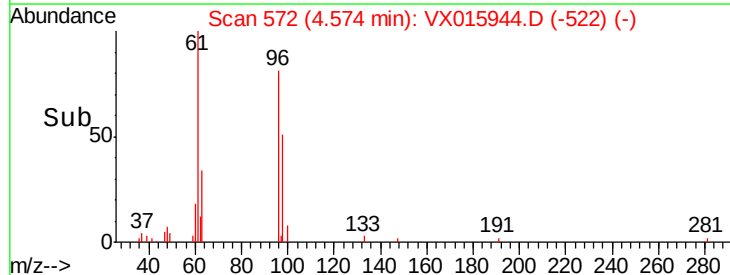
Abundance Ion 95.90 (95.60 to 96.60): VX0

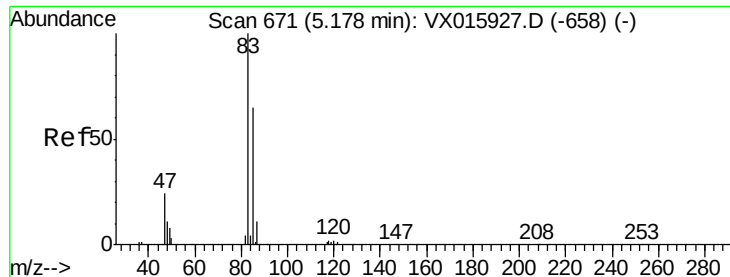
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->

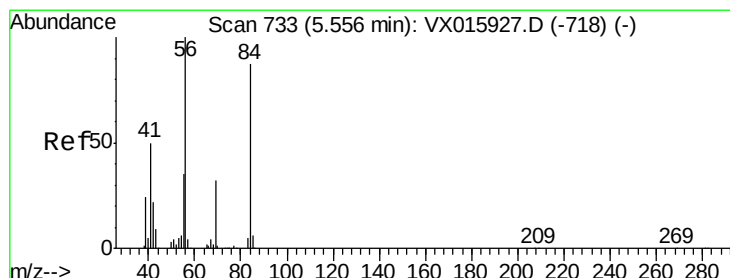
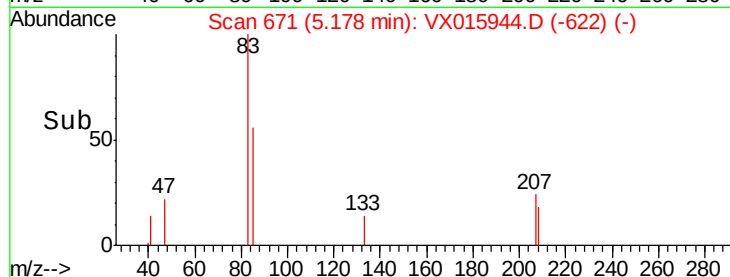
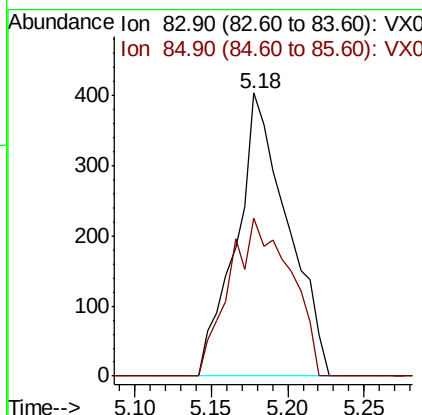
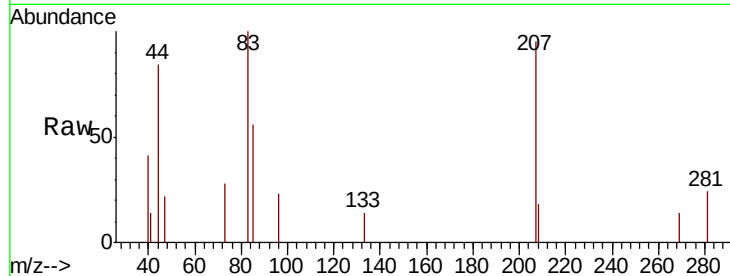




#30
Chloroform
Concen: 0.306 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX015944.D
Acq: 24 Apr 2020 20:29

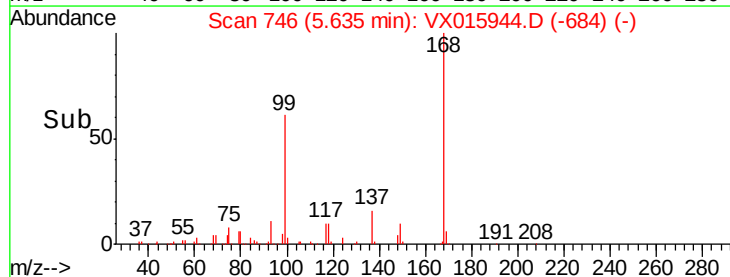
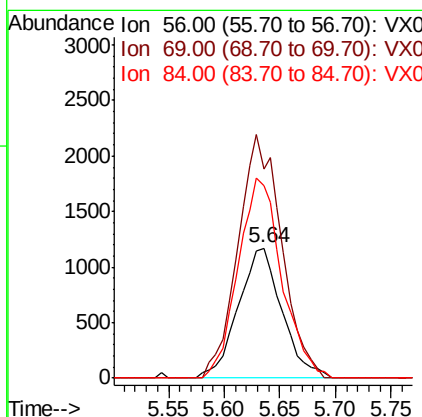
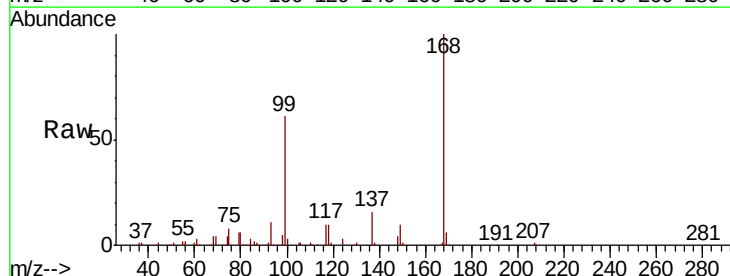
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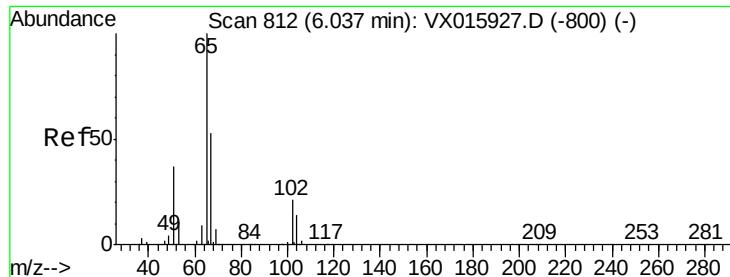
Tot Ion: 83 Resp: 943
Ion Ratio Lower Upper
83 100
85 56.1 51.7 77.5



#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015944.D
Acq: 24 Apr 2020 20:29

Tgt Ion: 56 Resp: 3200
Ion Ratio Lower Upper
56 100
69 161.2 25.4 38.0#
84 148.6 69.5 104.3#





#33

1,2-Dichloroethane-d4

Concen: 50.580 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

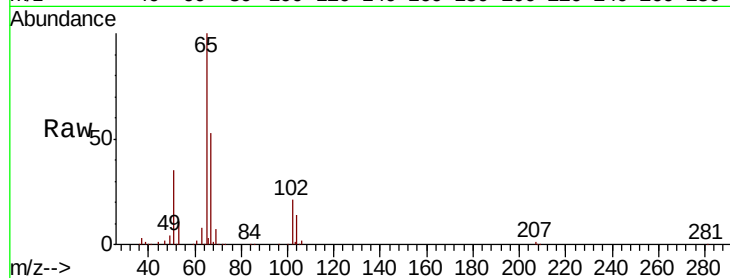
ST006MW184-200422

Tot Ion: 65 Resp: 98529

Ion Ratio Lower Upper

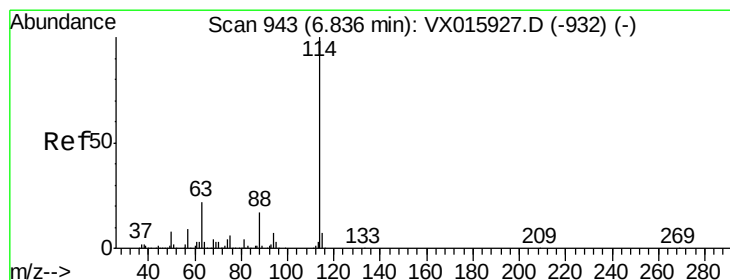
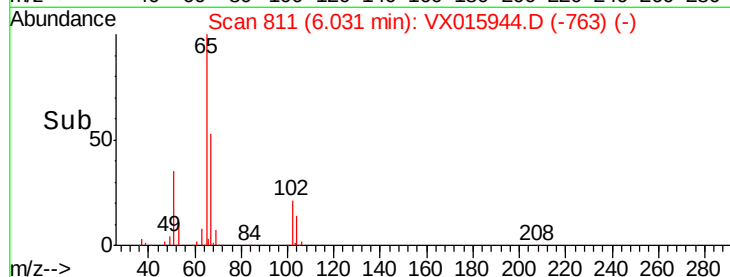
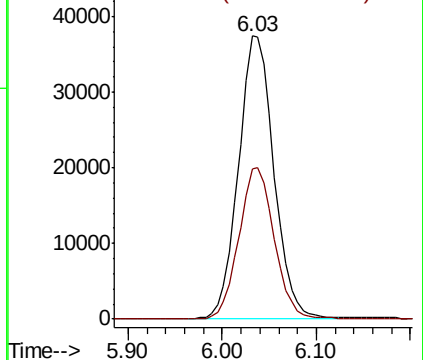
65 100

67 53.4 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: VX015944.D

Acq: 24 Apr 2020 20:29

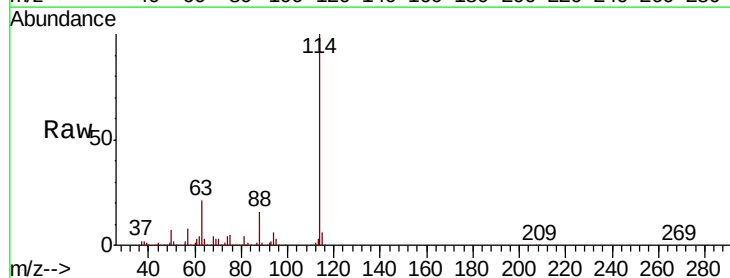
Tgt Ion: 114 Resp: 260306

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.4

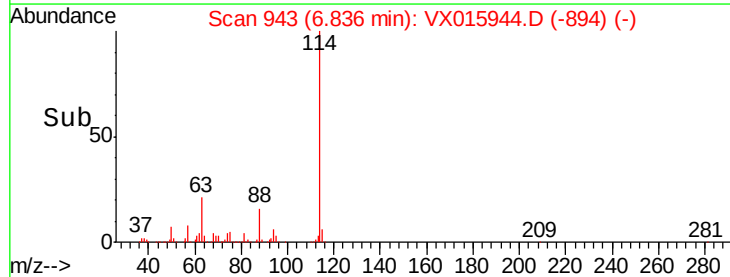
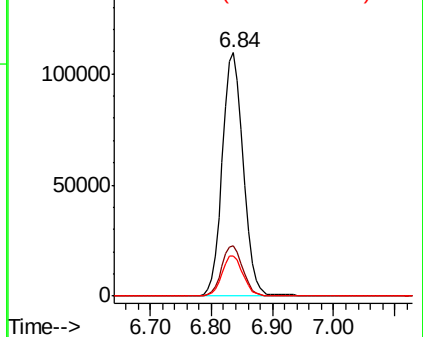
88 16.2 0.0 34.2

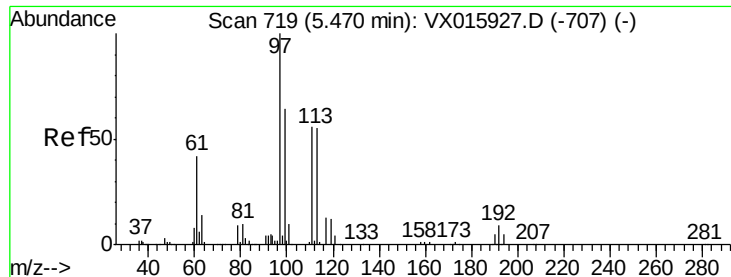


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

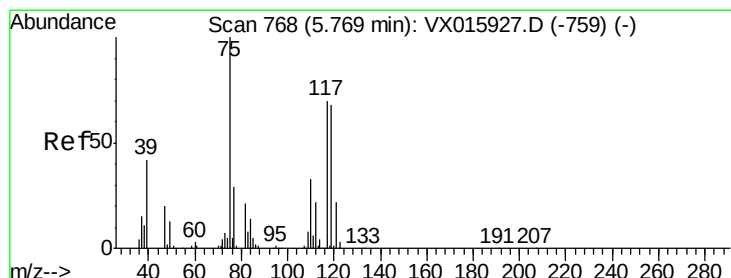
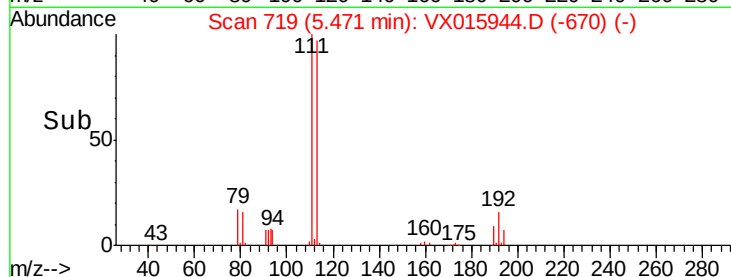
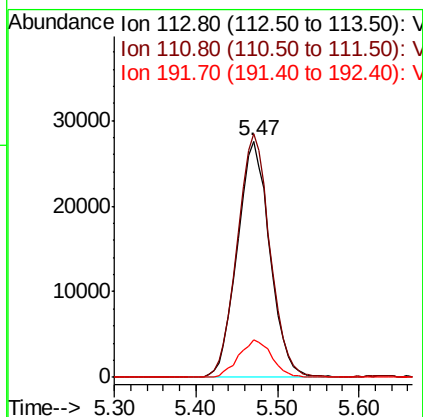
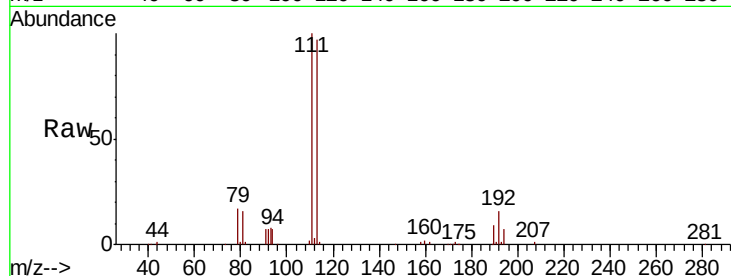




#35
 Dibromofluoromethane
 Concen: 53.829 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015944.D
 Acq: 24 Apr 2020 20:29

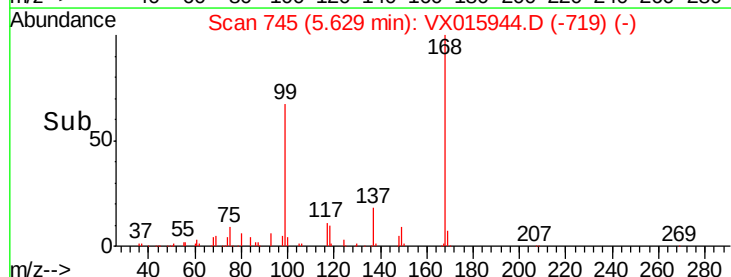
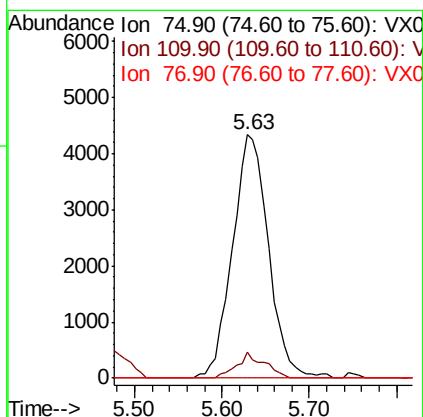
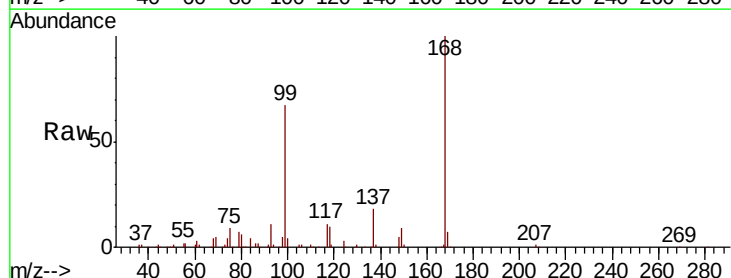
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW184-200422

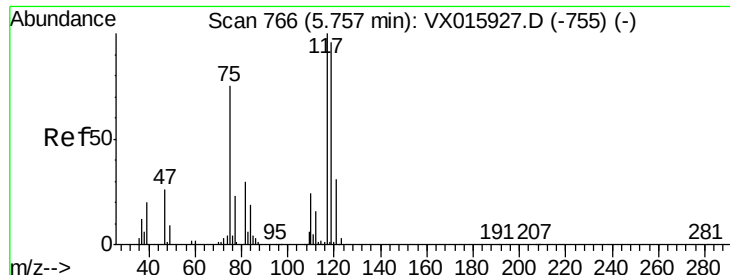
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.2	121.8
192	16.2	13.6	20.4



#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX015944.D
 Acq: 24 Apr 2020 20:29

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





#38

Carbon Tetrachloride

Concen: 6.487 ug/l

RT: 5.64 min Scan# 747

Delta R.T. -0.12 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

ST006MW184-200422

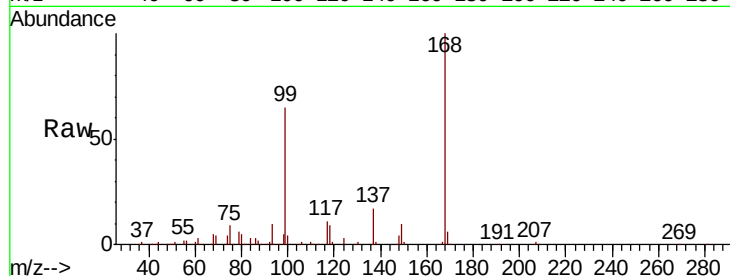
Tot Ion:117 Resp: 14727

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.6#

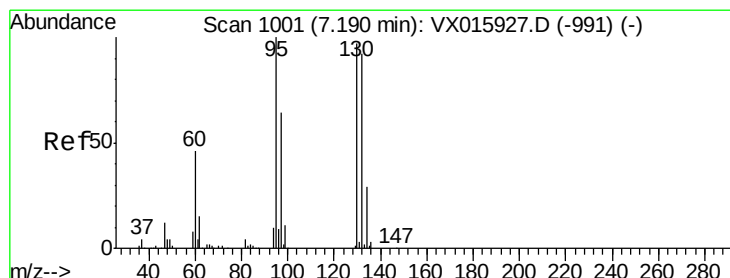
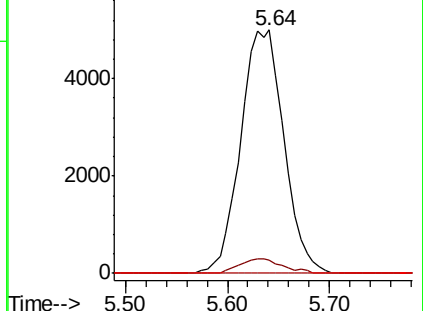
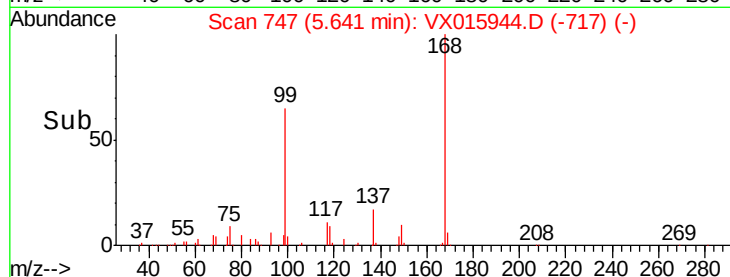
121 0.0 25.0 37.4#



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: 9.634 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX015944.D

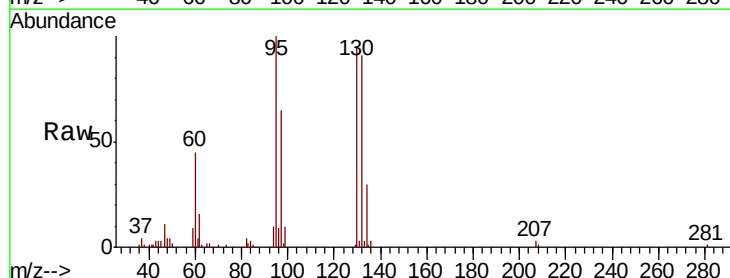
Acq: 24 Apr 2020 20:29

Tgt Ion:130 Resp: 21562

Ion Ratio Lower Upper

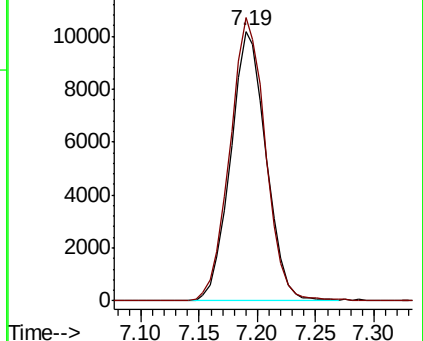
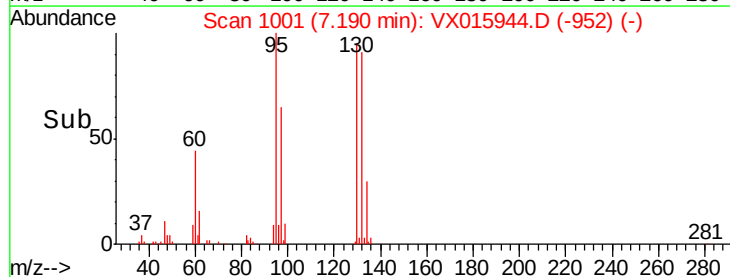
130 100

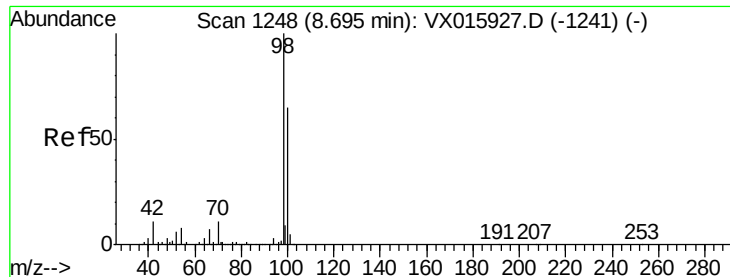
95 105.1 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 54.176 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

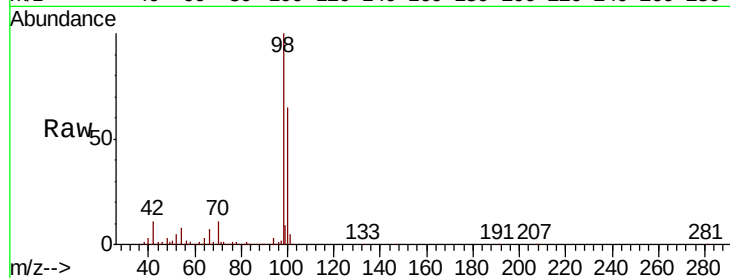
ST006MW184-200422

Tot Ion: 98 Resp: 325621

Ion Ratio Lower Upper

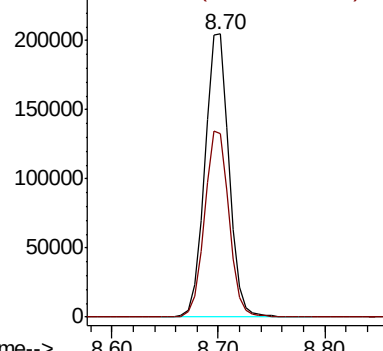
98 100

100 66.6 53.0 79.4

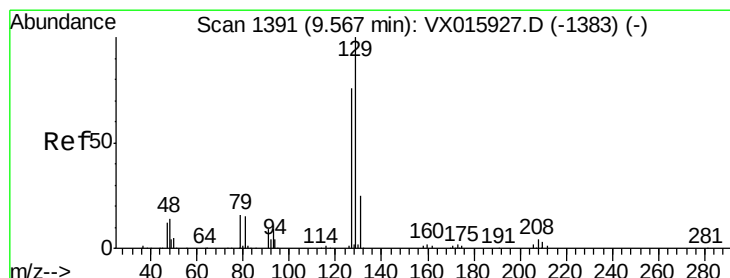
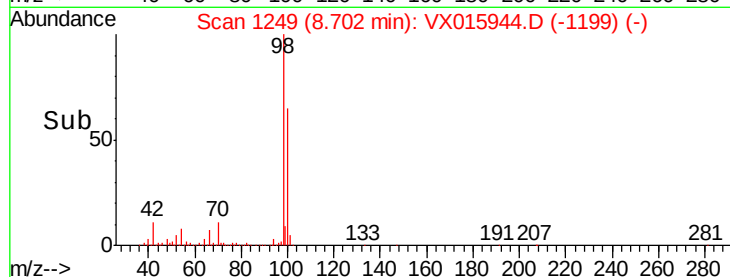


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->



#60

Dibromochloromethane

Concen: 0.362 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX015944.D

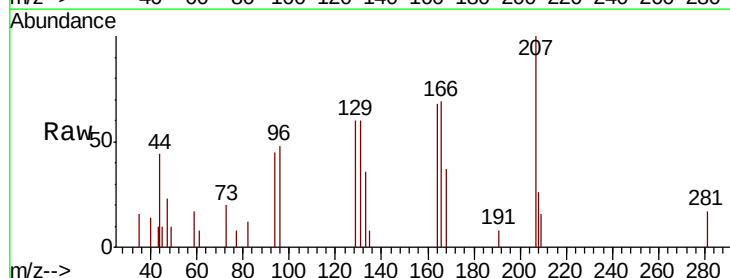
Acq: 24 Apr 2020 20:29

Tgt Ion:129 Resp: 662

Ion Ratio Lower Upper

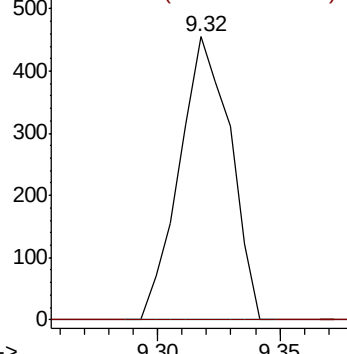
129 100

127 0.0 38.8 116.3#

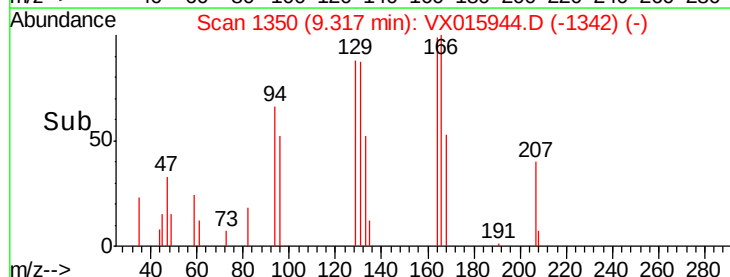


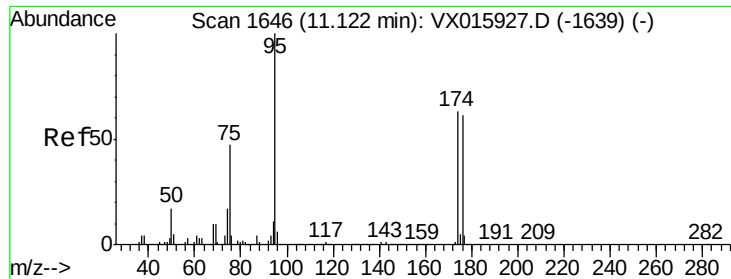
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 55.852 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

ST006MW184-200422

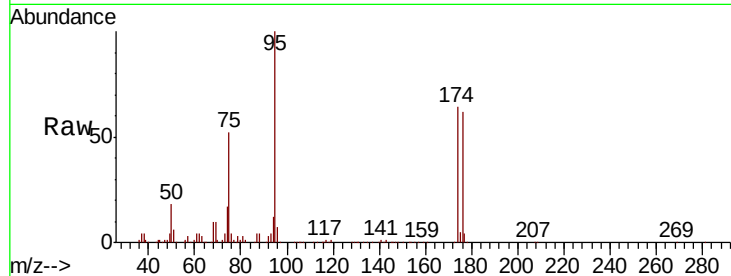
Tot Ion: 95 Resp: 136159

Ion Ratio Lower Upper

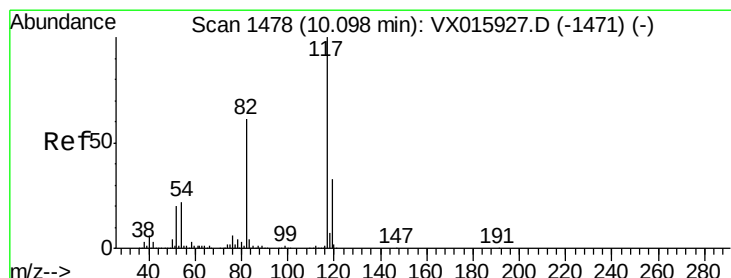
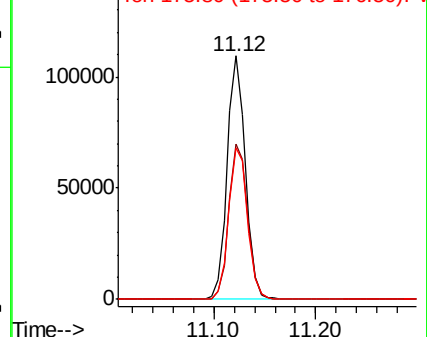
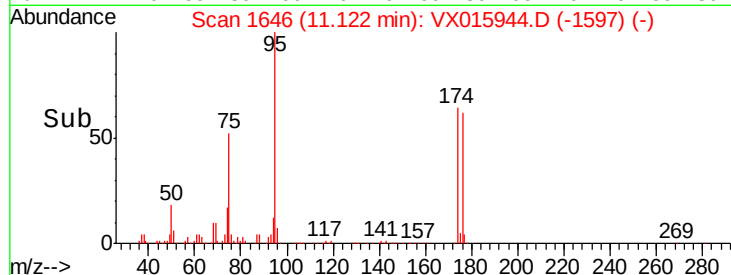
95 100

174 65.4 0.0 133.6

176 63.8 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX015944.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015944.D

Acq: 24 Apr 2020 20:29

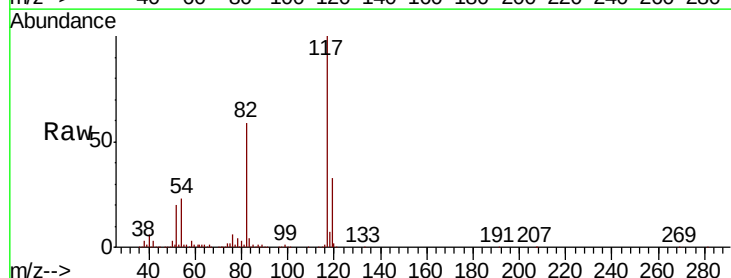
Tgt Ion: 117 Resp: 251734

Ion Ratio Lower Upper

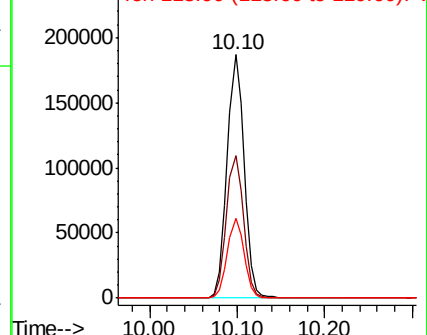
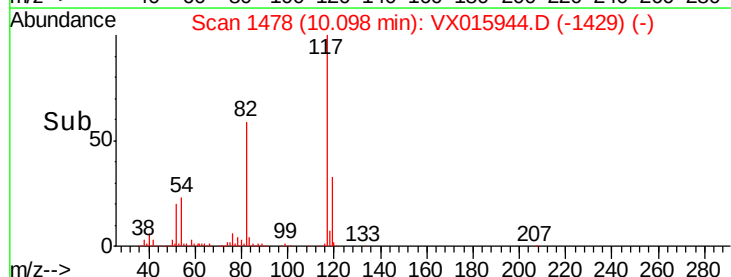
117 100

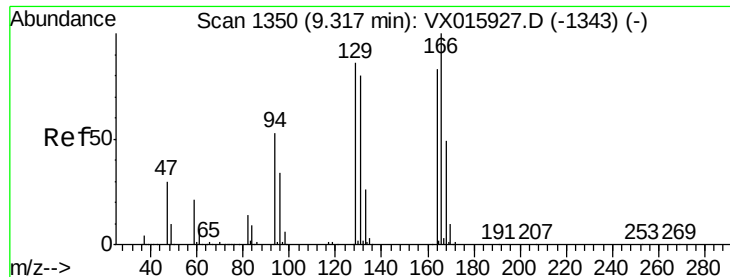
82 58.6 48.5 72.7

119 32.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VX015944.D (-1429) (-)

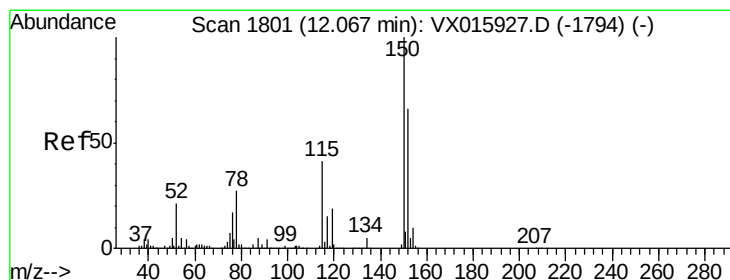
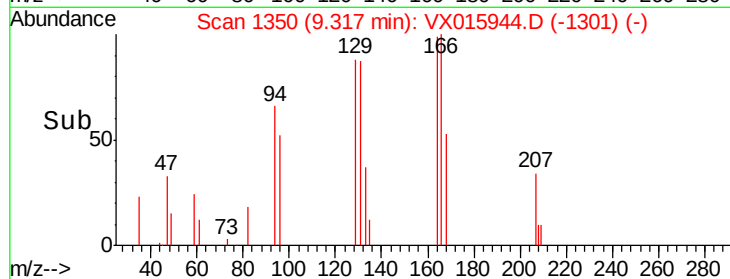
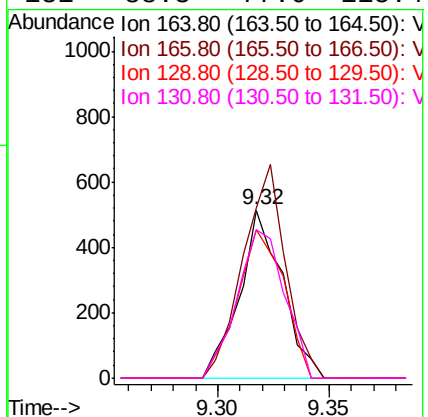
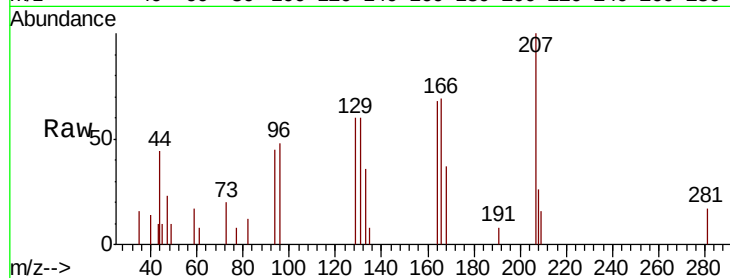




#64
Tetrachloroethene
Concen: 0.276 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015944.D
Acq: 24 Apr 2020 20:29

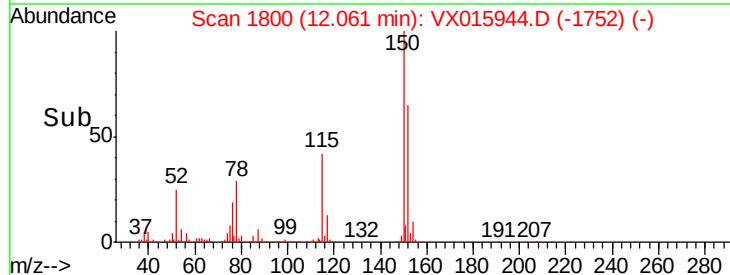
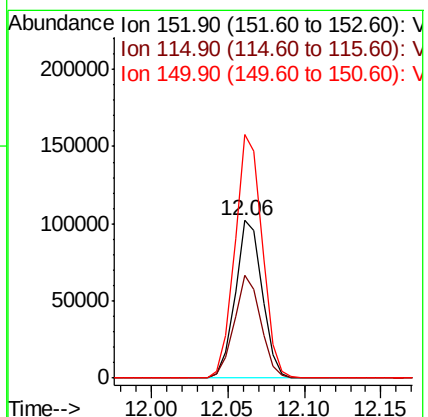
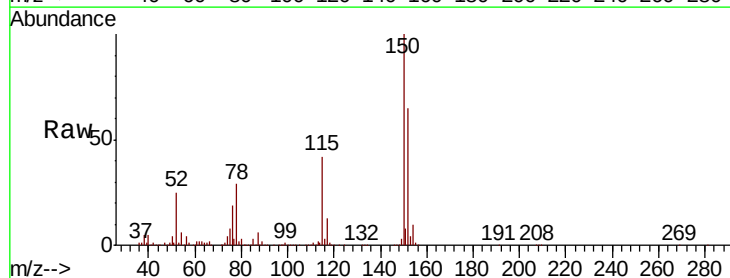
Instrument :
MSVOA_X
ClientSampleId :
ST006MW184-200422

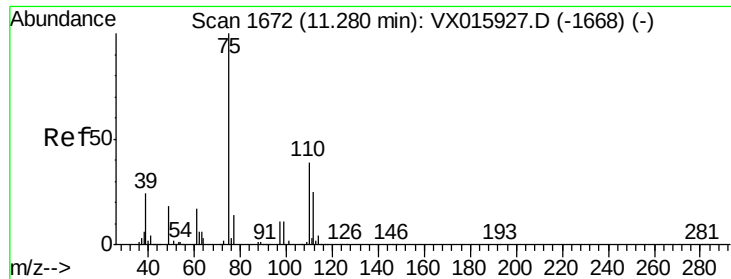
Tot Ion:	164	Resp:	692
Ion	Ratio	Lower	Upper
164	100		
166	101.4	96.7	145.1
129	88.7	82.8	124.2
131	88.3	77.0	115.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VX015944.D
Acq: 24 Apr 2020 20:29

Tgt Ion:	152	Resp:	125133
Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.1	132.4
150	156.0	0.0	343.6

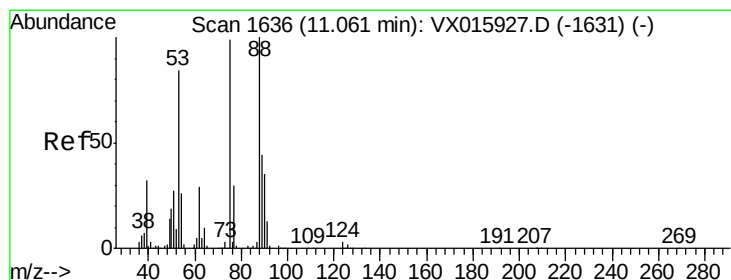
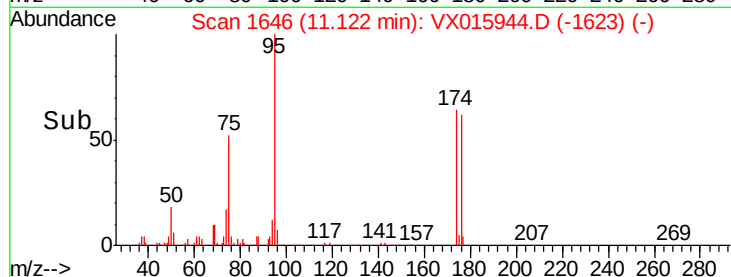
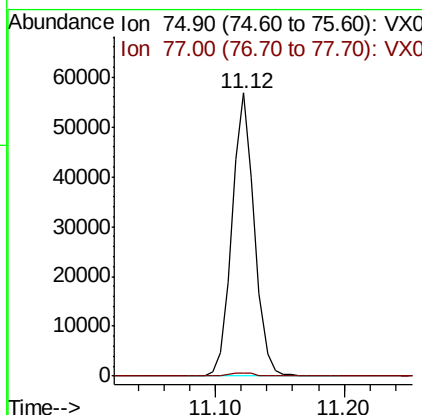
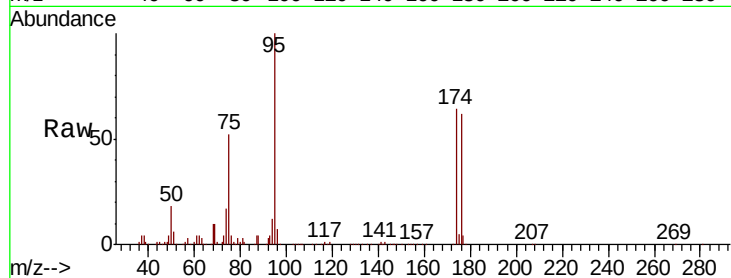




#76
 1,2,3-Trichloropropane
 Concen: 25.604 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX015944.D
 Acq: 24 Apr 2020 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW184-200422

Tot Ion: 75 Resp: 68725
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.675 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015944.D
 Acq: 24 Apr 2020 20:29

Tgt Ion: 75 Resp: 68725
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.7 104.5#
 89 0.0 36.3 54.5#

