

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070620\
 Data File : VX017172.D
 Acq On : 06 Jul 2020 16:48
 Operator : JC/SP
 Sample : L3159-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40S-20200629

Quant Time: Jul 07 06:51:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	282504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	467607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	486065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	270309	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	176792	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
35) Dibromofluoromethane	5.47	113	154108	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
50) Toluene-d8	8.70	98	570540	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.12	95	241654	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	

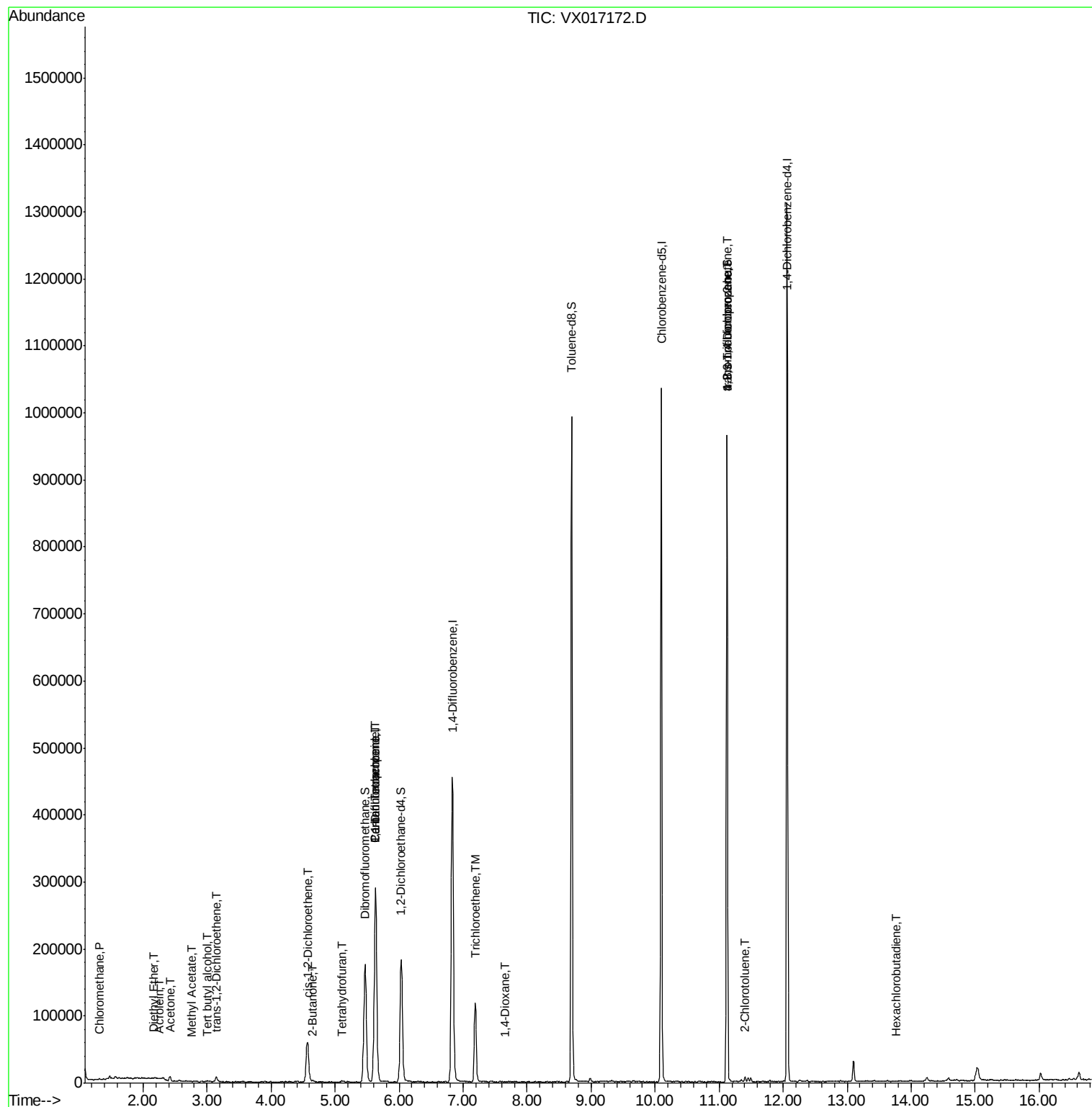
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	913	0.276	ug/l	92
8) Diethyl Ether	2.16	74	179	0.482	ug/l	60
11) Tert butyl alcohol	3.01	59	1211	1.823	ug/l #	53
13) Acrolein	2.26	56	102	0.257	ug/l	87
16) Acetone	2.42	43	7299	5.602	ug/l	94
18) Methyl Acetate	2.76	43	697	0.205	ug/l #	67
20) Methylene Chloride	2.83	84	532	Below Cal	#	72
21) trans-1,2-Dichloroethene	3.15	96	3180	1.025	ug/l	85
25) 2-Butanone	4.64	43	2137	0.984	ug/l #	71
27) cis-1,2-Dichloroethene	4.57	96	40376	11.489	ug/l	89
29) Tetrahydrofuran	5.10	42	570	0.397	ug/l #	24
36) 1,1-Dichloropropene	5.63	75	19561	4.426	ug/l #	41
38) Carbon Tetrachloride	5.63	117	26915	5.529	ug/l #	17
44) Trichloroethene	7.19	130	46813	12.834	ug/l	99
49) 1,4-Dioxane	7.65	88	64	0.798	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	121010	22.766	ug/l #	37
79) 2-Chlorotoluene	11.40	91	2548	0.210	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.12	75	121010	58.955	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	430	Below Cal		88
94) Hexachlorobutadiene	13.77	225	23	0.855	ug/l #	1

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

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Quant Title : SW846 8260
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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: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

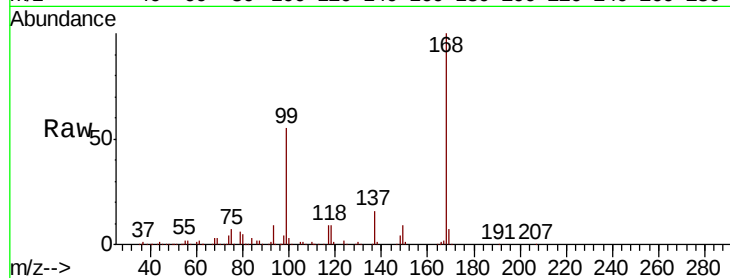
40S-20200629

Tot Ion:168 Resp: 282504

Ion Ratio Lower Upper

168 100

99 55.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

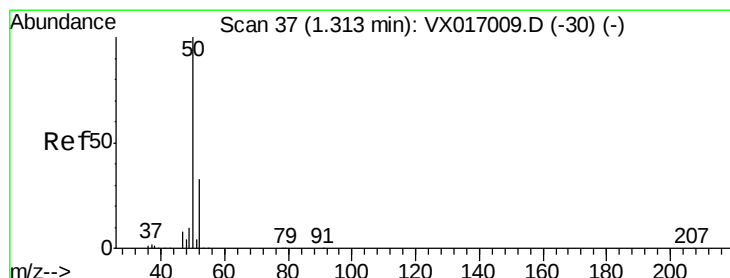
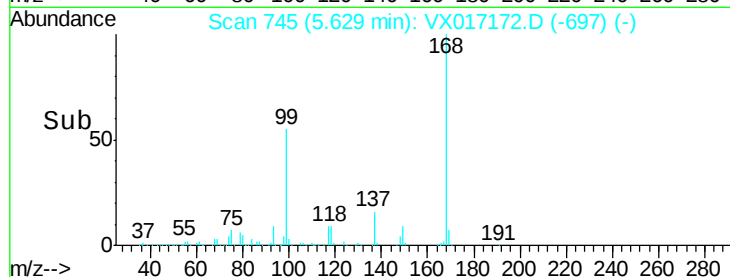
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017172.D

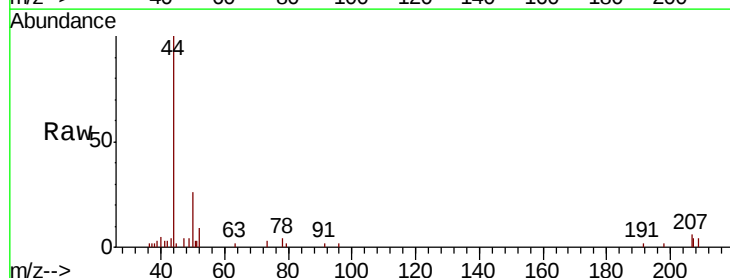
Acq: 06 Jul 2020 16:48

Tgt Ion: 50 Resp: 913

Ion Ratio Lower Upper

50 100

52 27.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

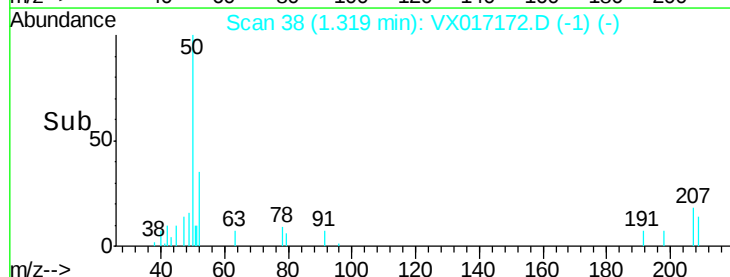
600

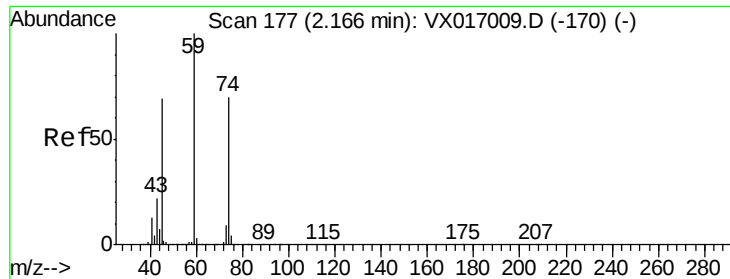
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.482 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

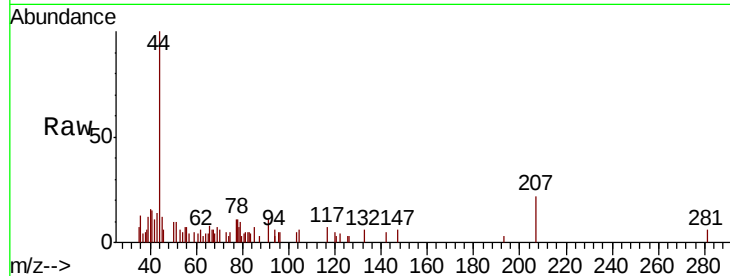
40S-20200629

Tot Ion: 74 Resp: 179

Ion Ratio Lower Upper

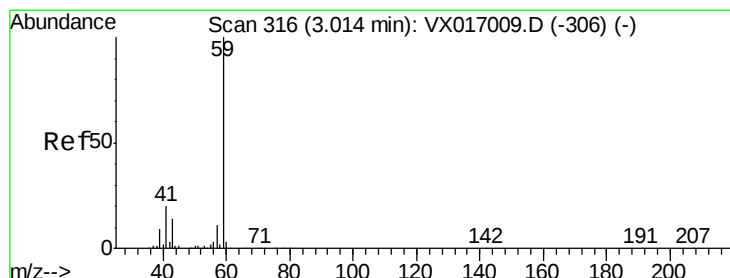
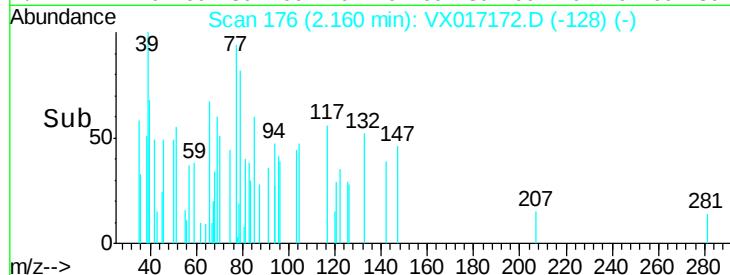
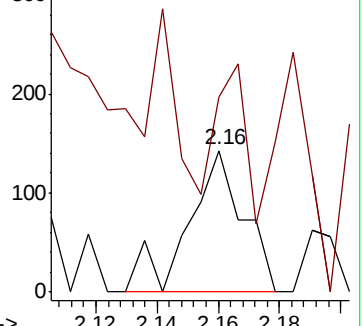
74 100

45 59.2 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.823 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017172.D

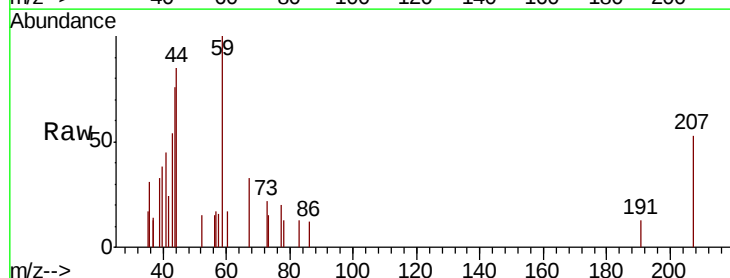
Acq: 06 Jul 2020 16:48

Tgt Ion: 59 Resp: 1211

Ion Ratio Lower Upper

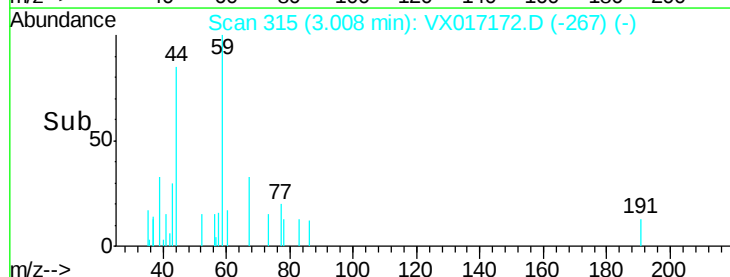
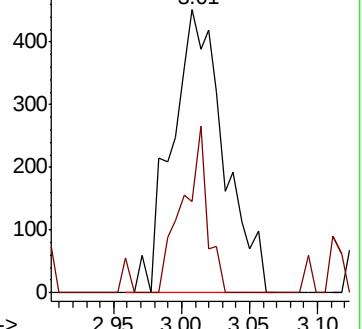
59 100

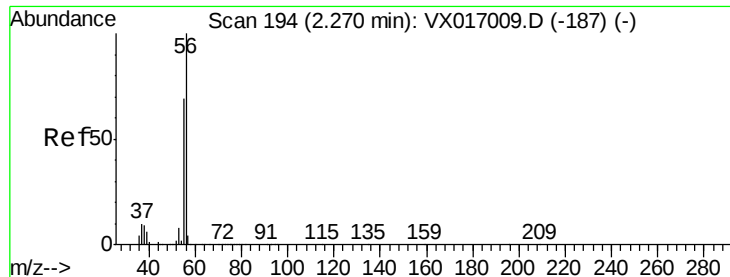
57 27.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.257 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

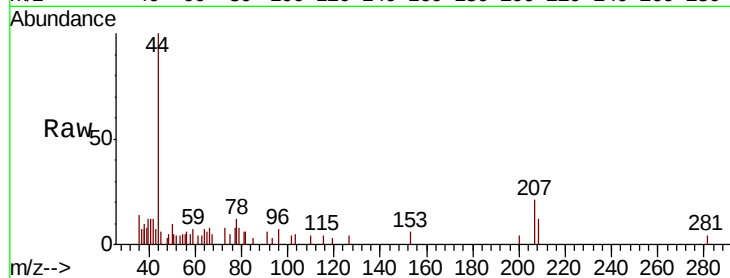
40S-20200629

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

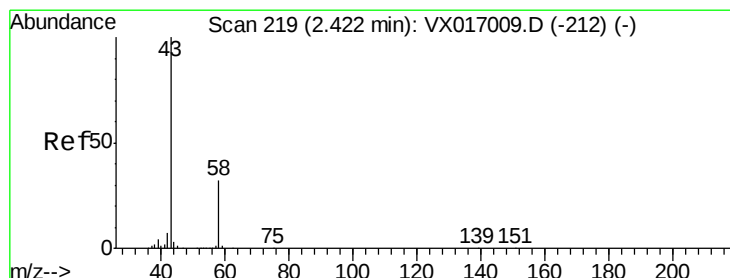
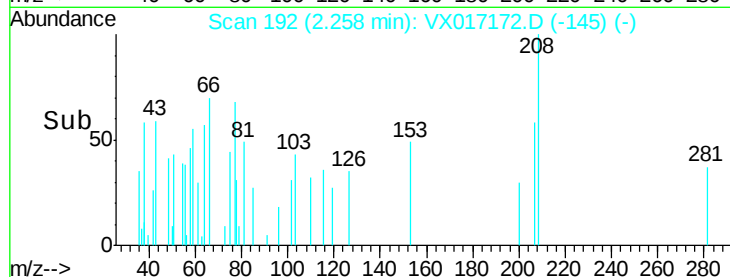
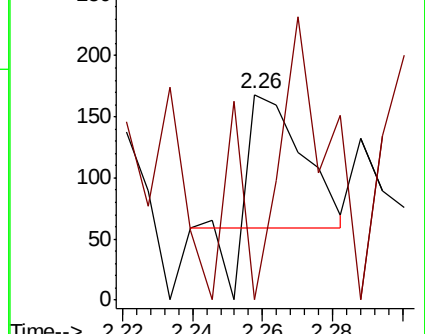
56 100

55 58.8 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.602 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017172.D

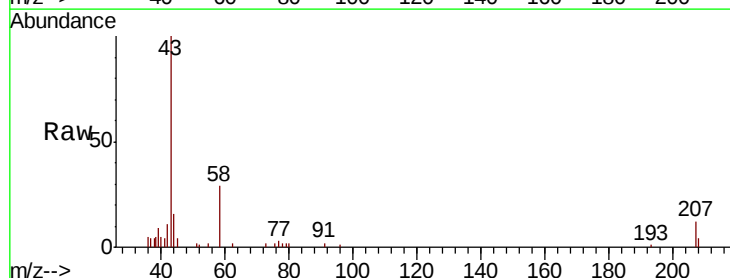
Acq: 06 Jul 2020 16:48

Tgt Ion: 43 Resp: 7299

Ion Ratio Lower Upper

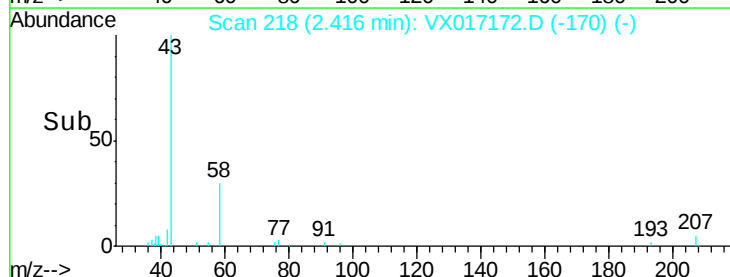
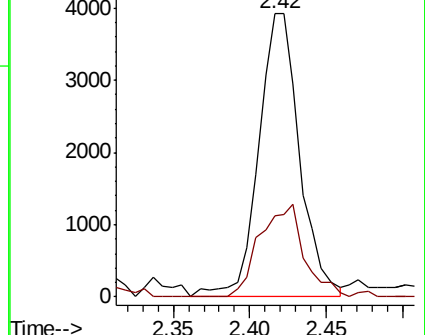
43 100

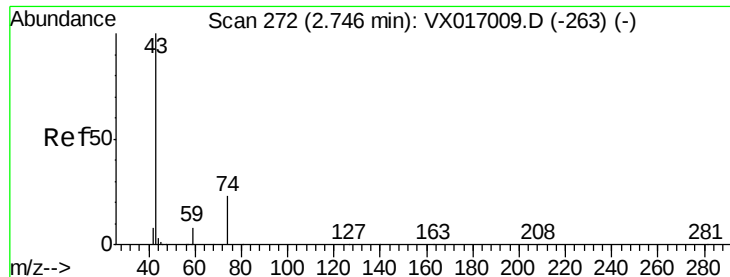
58 28.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

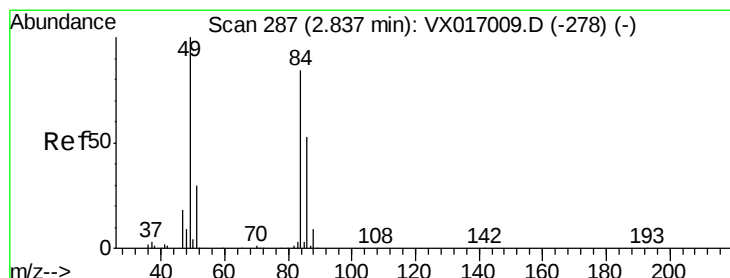
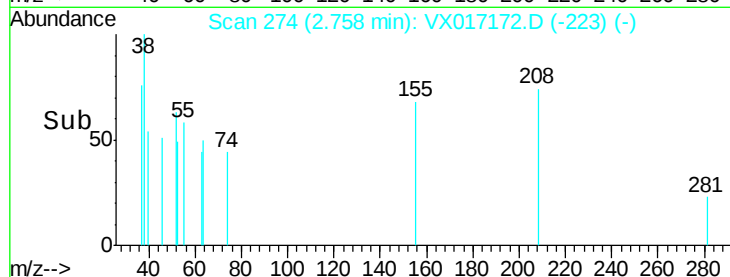
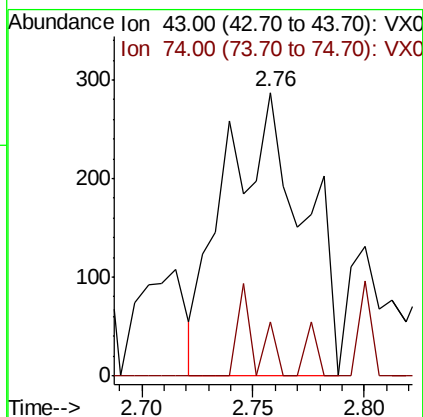
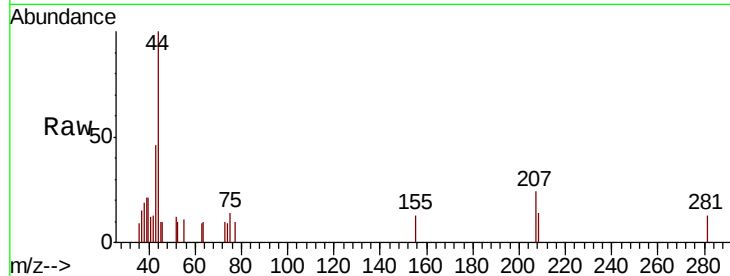




#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017172.D
Acq: 06 Jul 2020 16:48

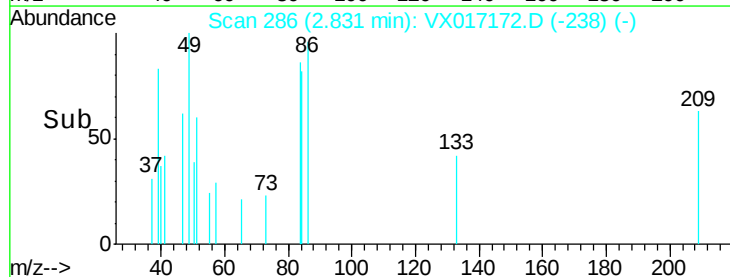
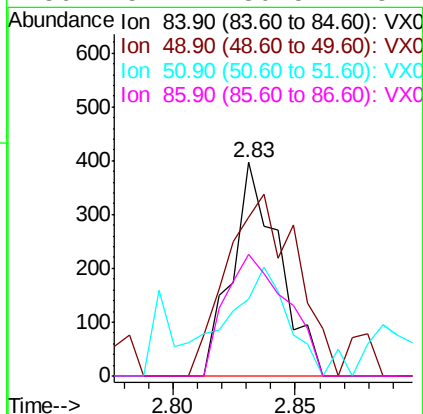
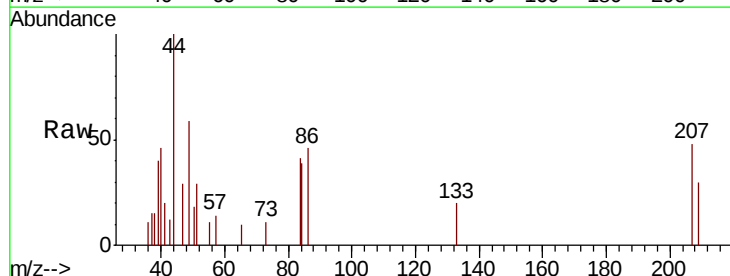
Instrument :
MSVOA_X
ClientSampled :
40S-20200629

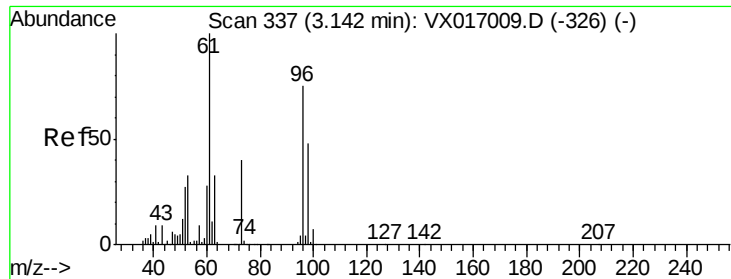
Tot Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
74 7.7 19.3 28.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017172.D
Acq: 06 Jul 2020 16:48

Tgt Ion: 84 Resp: 532
Ion Ratio Lower Upper
84 100
49 74.1 94.7 142.1#
51 22.9 28.6 42.8#
86 57.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 1.025 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

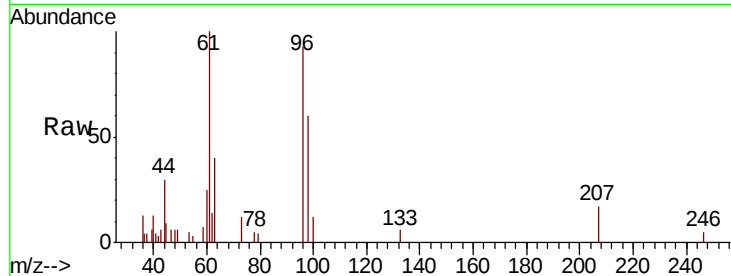
Tot Ion: 96 Resp: 3180

Ion Ratio Lower Upper

96 100

61 107.6 107.0 160.6

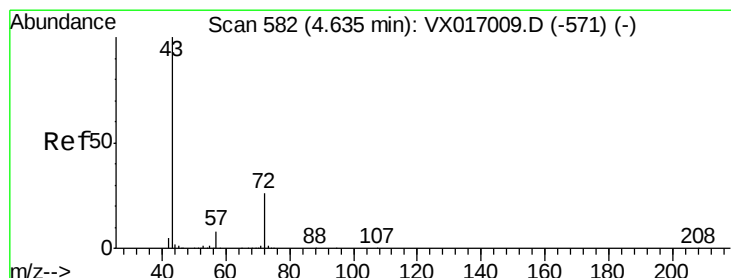
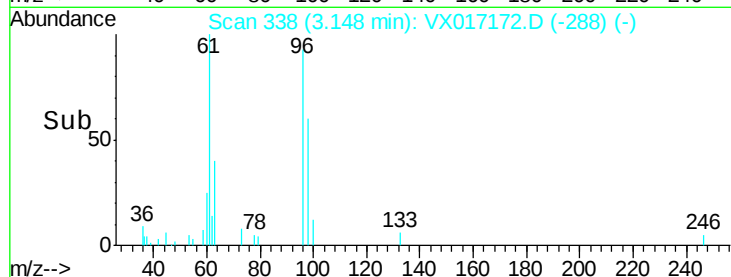
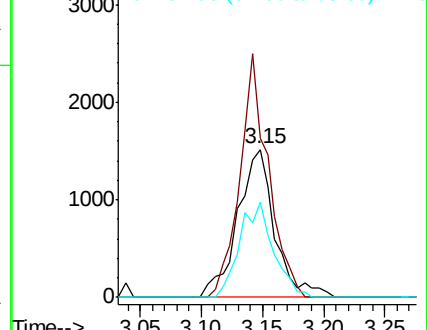
98 64.4 51.6 77.4



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



#25

2-Butanone

Concen: 0.984 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017172.D

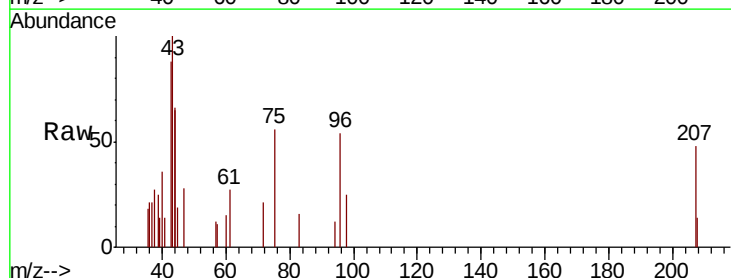
Acq: 06 Jul 2020 16:48

Tgt Ion: 43 Resp: 2137

Ion Ratio Lower Upper

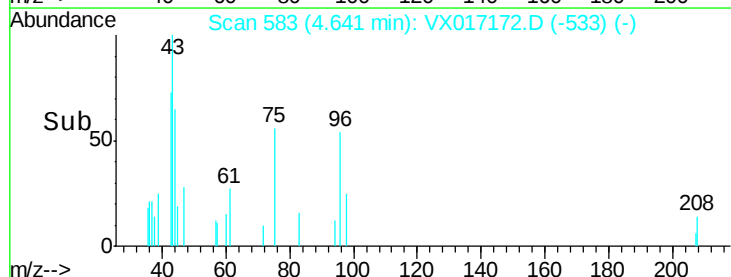
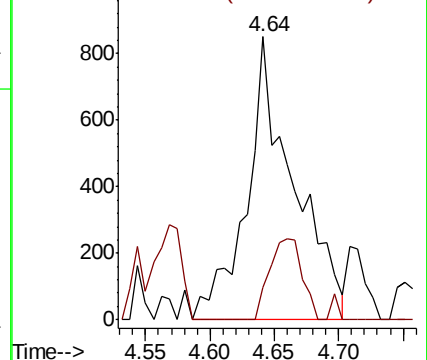
43 100

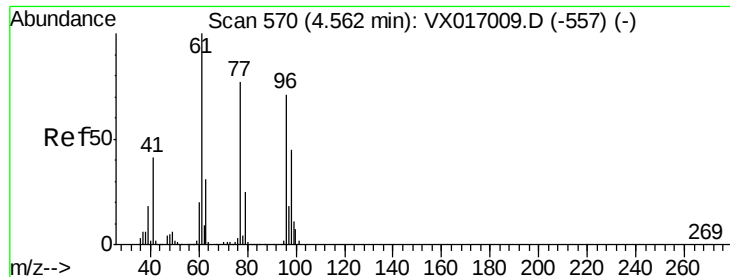
72 11.4 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



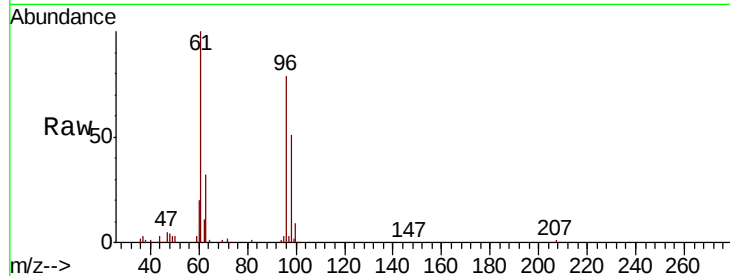


#27

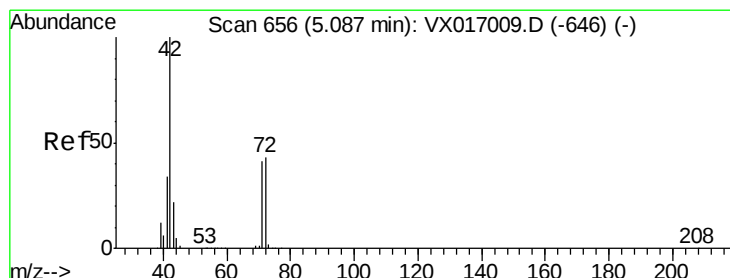
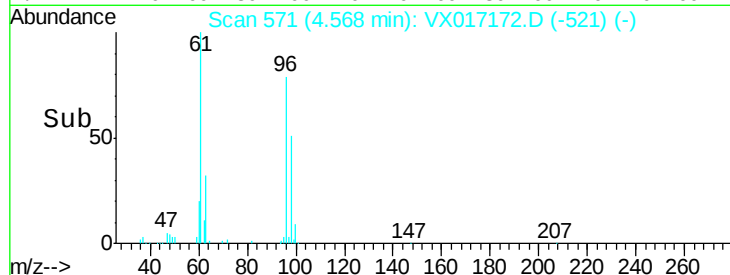
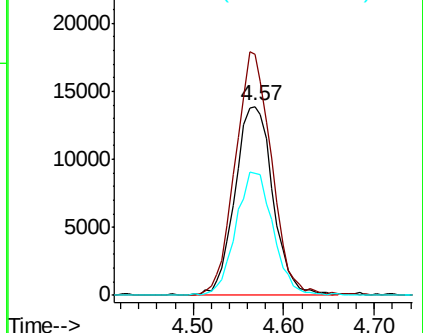
cis-1,2-Dichloroethene
 Concen: 11.489 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX017172.D
 Acq: 06 Jul 2020 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 40S-20200629

Tot Ion	96	Resp	40376
Ion	Ratio	Lower	Upper
96	100		
61	122.4	0.0	282.8
98	64.3	0.0	127.6



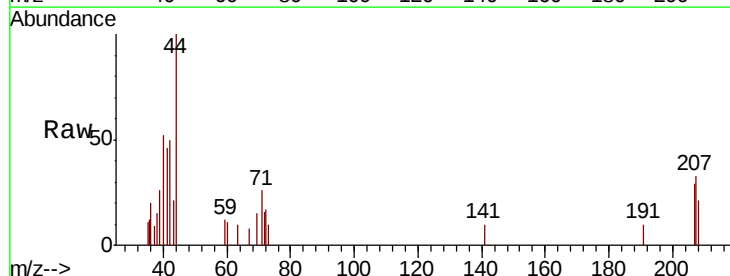
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



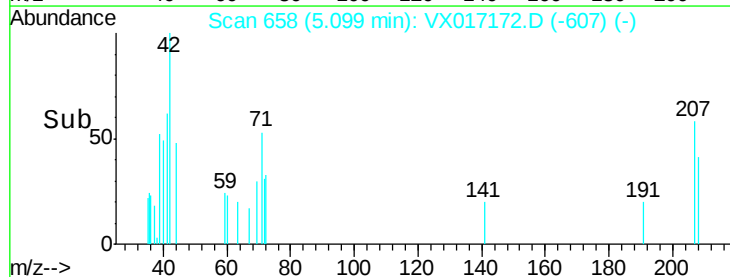
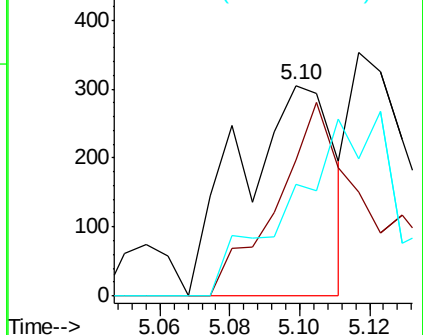
#29

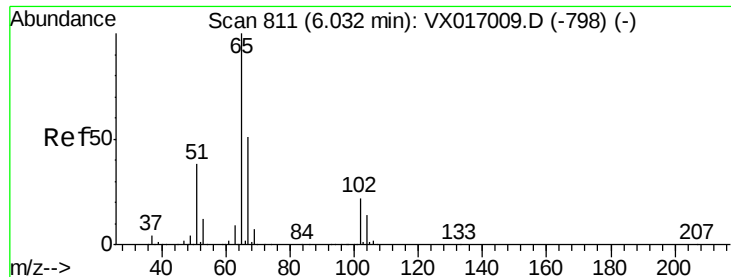
Tetrahydrofuran
 Concen: 0.397 ug/l
 RT: 5.10 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX017172.D
 Acq: 06 Jul 2020 16:48

Tgt Ion	42	Resp	570
Ion	Ratio	Lower	Upper
42	100		
72	98.9	35.3	52.9#
71	0.0	33.1	49.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.763 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

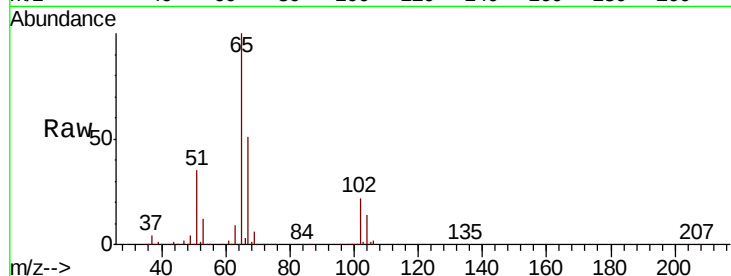
40S-20200629

Tot Ion: 65 Resp: 176792

Ion Ratio Lower Upper

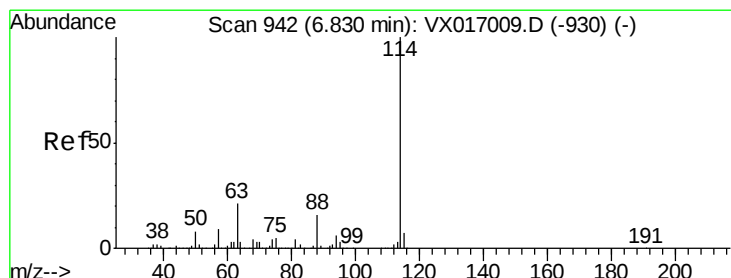
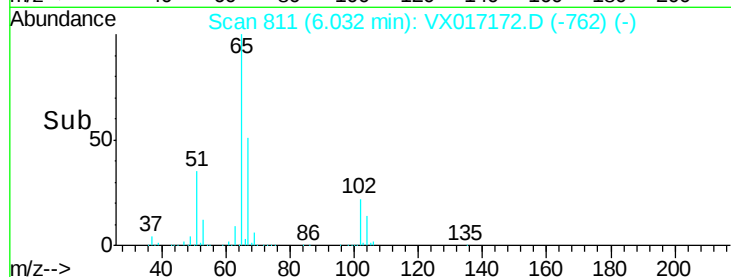
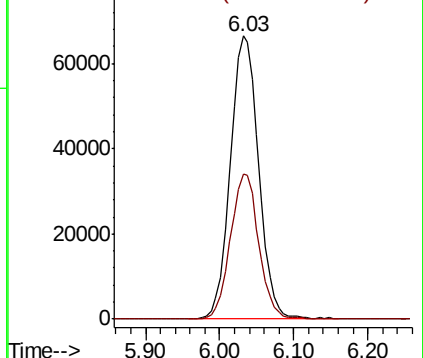
65 100

67 51.4 0.0 103.8



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: VX017172.D

Acq: 06 Jul 2020 16:48

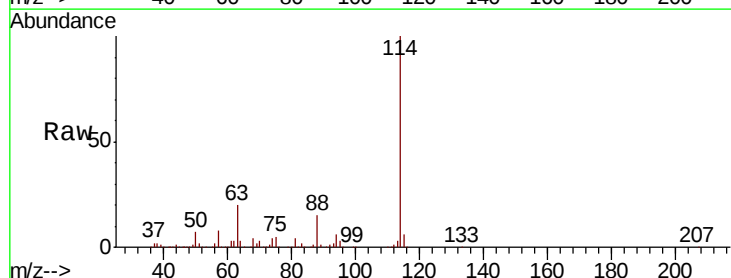
Tgt Ion: 114 Resp: 467607

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

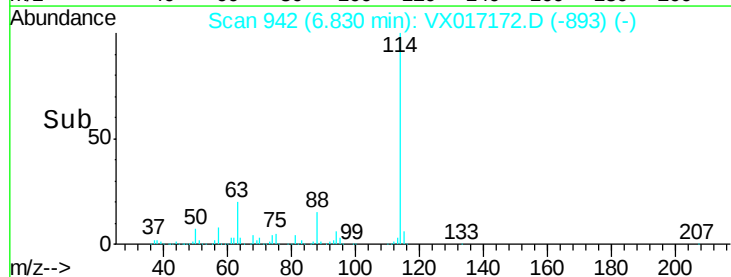
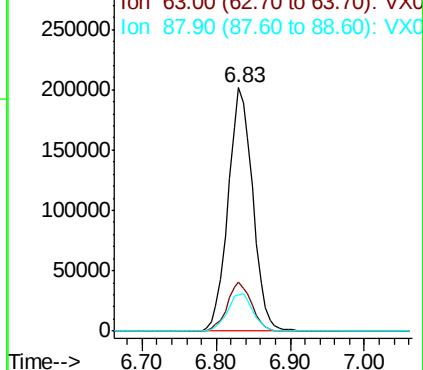
88 15.0 0.0 32.4

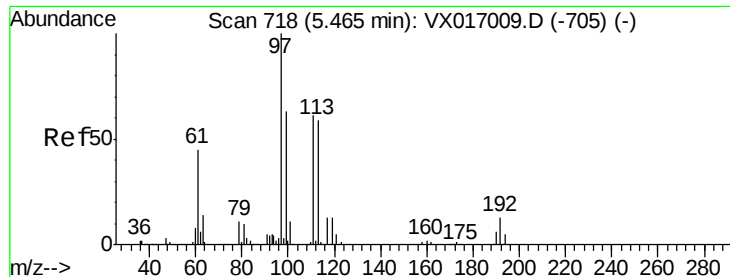


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

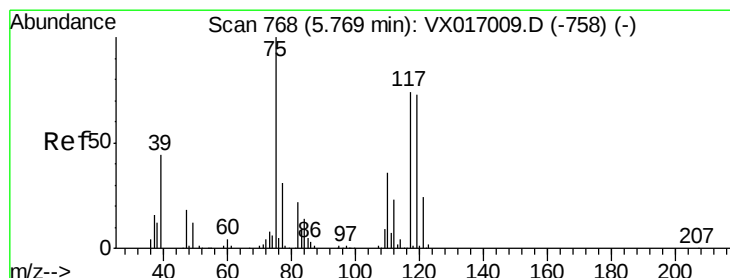
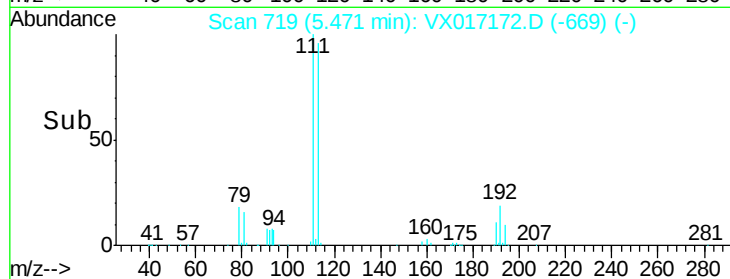
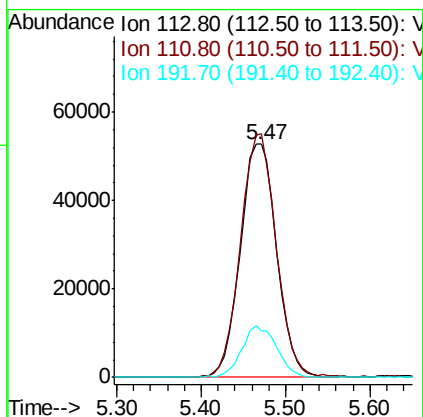
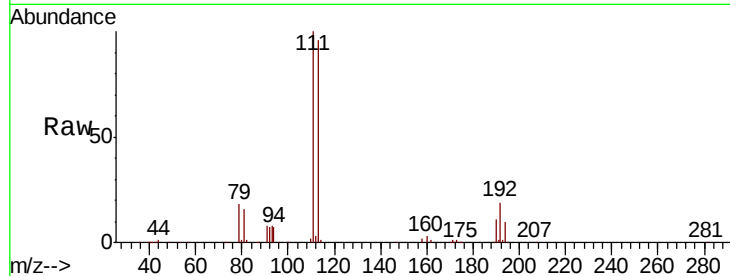




#35
 Dibromofluoromethane
 Concen: 52.100 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017172.D
 Acq: 06 Jul 2020 16:48

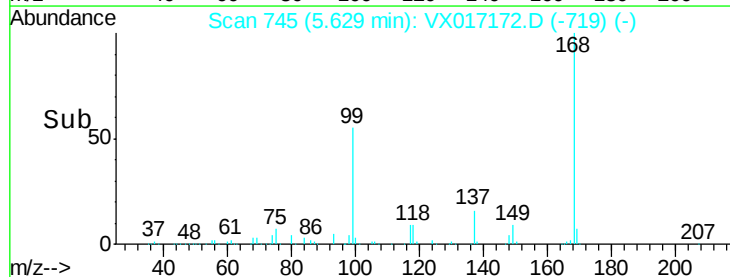
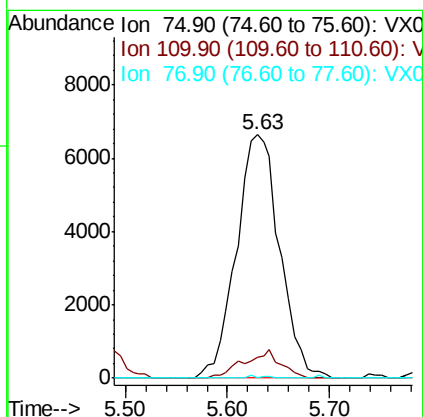
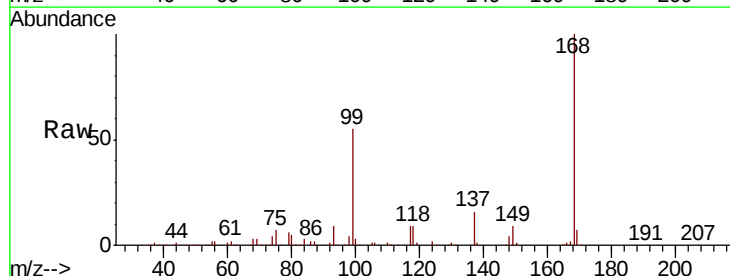
Instrument :
 MSVOA_X
 ClientSampleId :
 40S-20200629

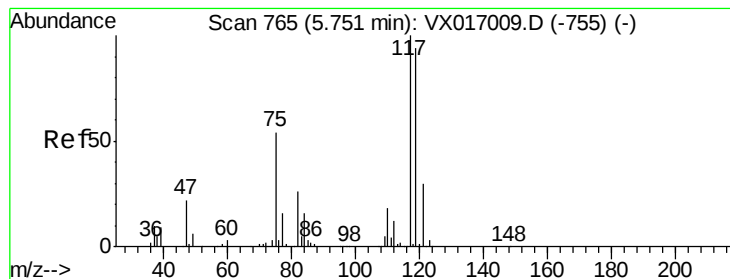
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	21.3	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.426 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017172.D
 Acq: 06 Jul 2020 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.1	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.529 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

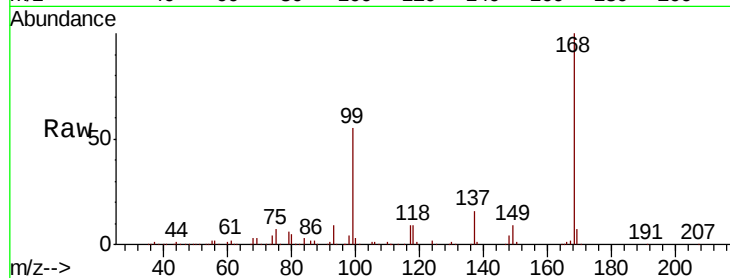
Tot Ion:117 Resp: 26915

Ion Ratio Lower Upper

117 100

119 5.8 75.4 113.0#

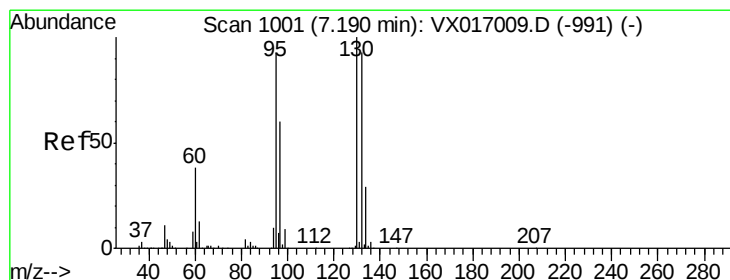
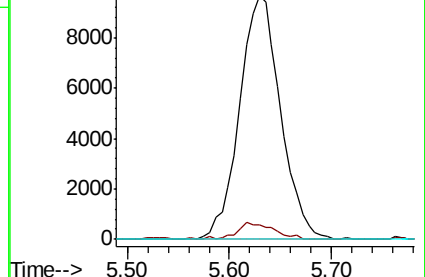
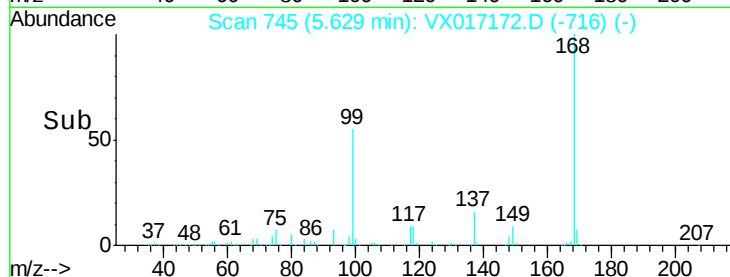
121 0.0 23.8 35.6#



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: 12.834 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017172.D

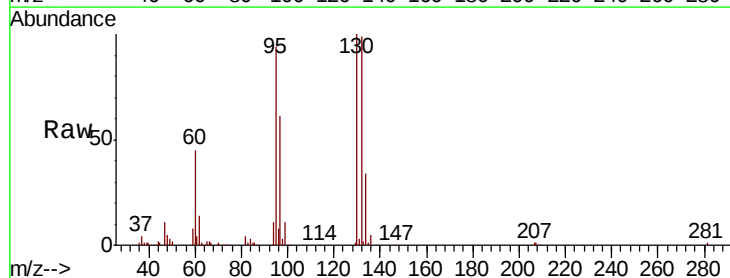
Acq: 06 Jul 2020 16:48

Tgt Ion:130 Resp: 46813

Ion Ratio Lower Upper

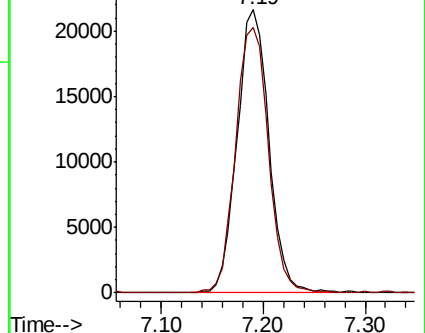
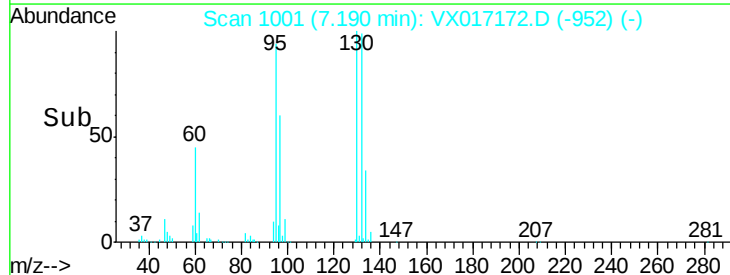
130 100

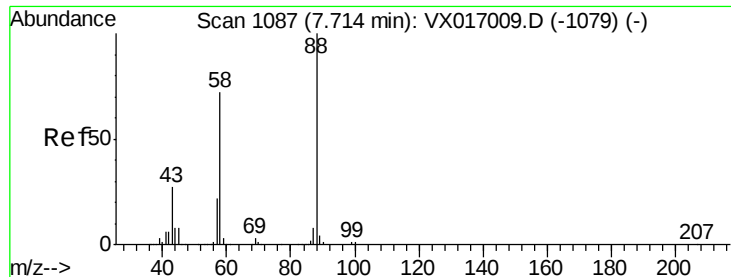
95 93.6 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

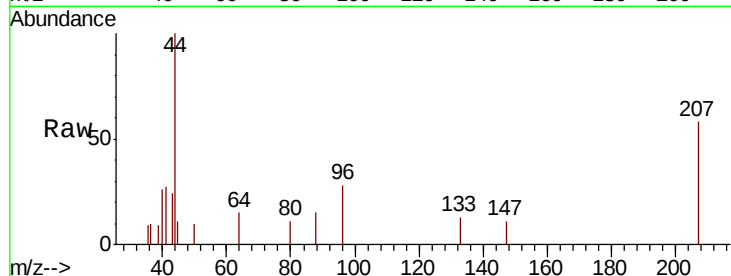




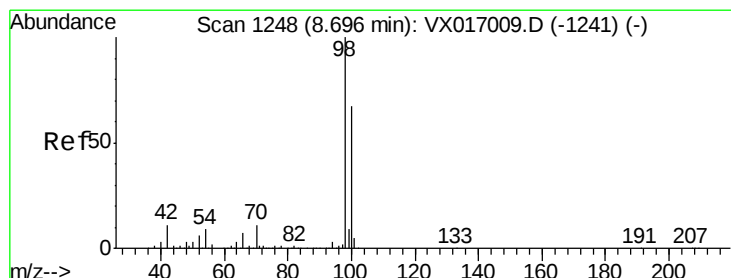
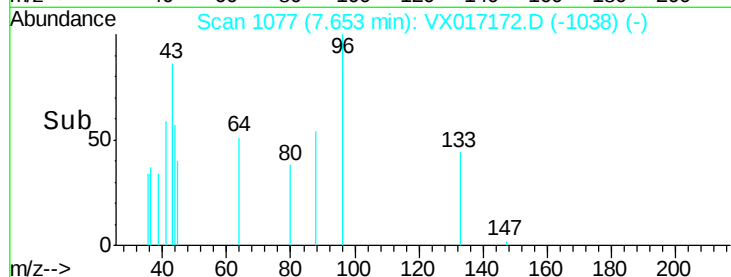
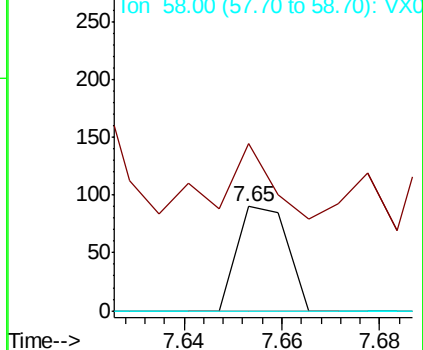
#49
1,4-Dioxane
Concen: 0.798 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.06 min
Lab File: VX017172.D
Acq: 06 Jul 2020 16:48

Instrument :
MSVOA_X
ClientSampled :
40S-20200629

Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 0.0 54.8 82.2#

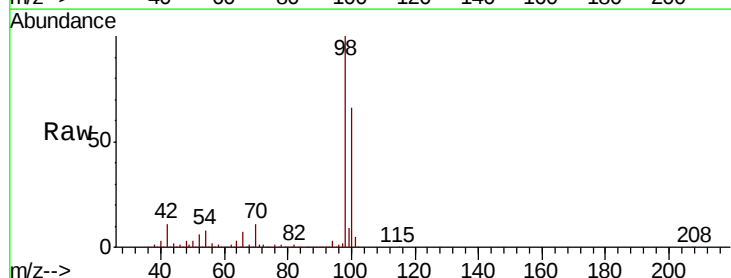


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

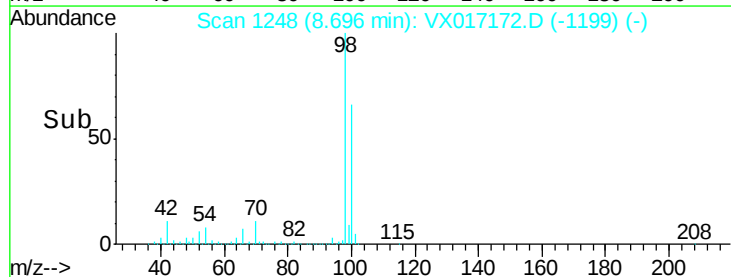
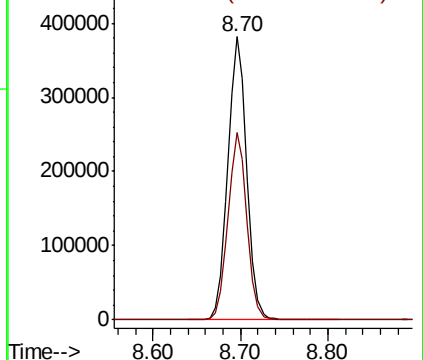


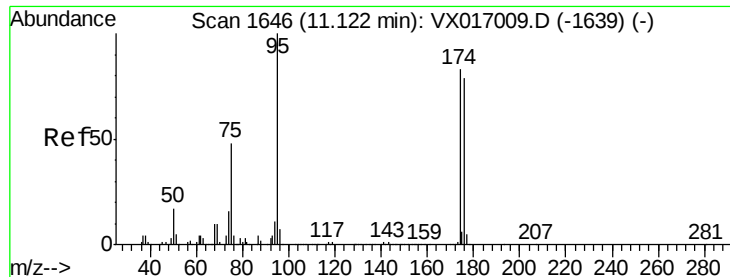
#50
Toluene-d8
Concen: 52.162 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017172.D
Acq: 06 Jul 2020 16:48

Tgt Ion: 98 Resp: 570540
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 56.517 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

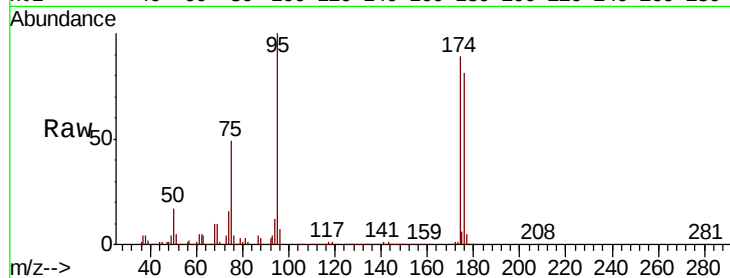
Tot Ion: 95 Resp: 241654

Ion Ratio Lower Upper

95 100

174 85.2 0.0 164.0

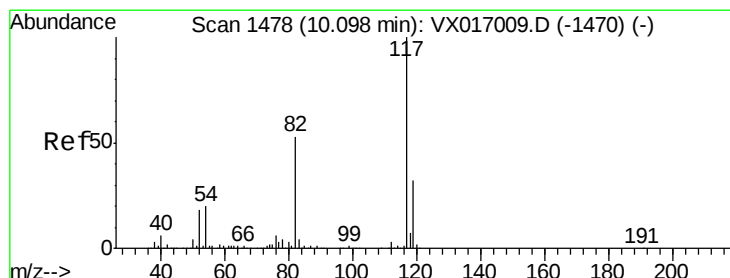
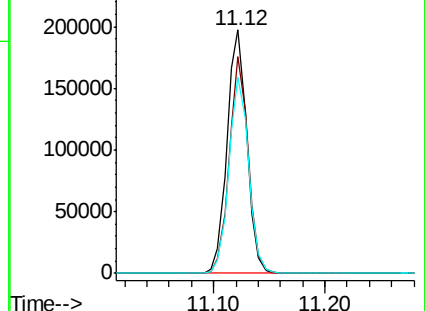
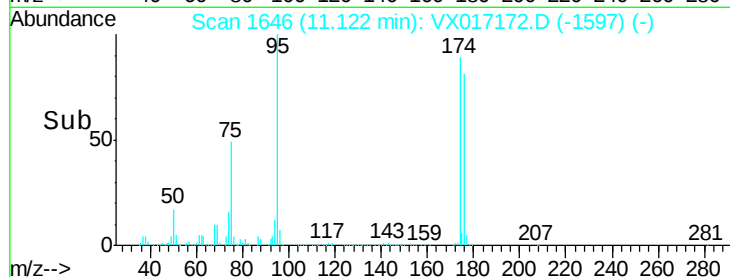
176 80.7 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017172.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017172.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017172.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

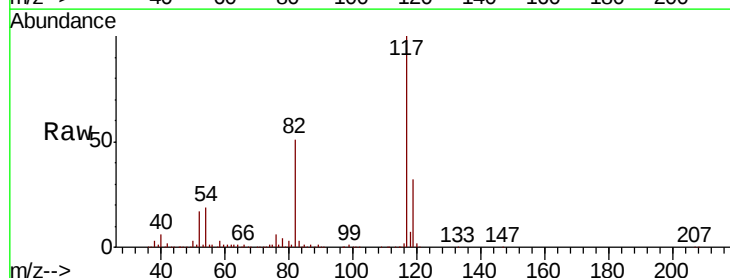
Tgt Ion: 117 Resp: 486065

Ion Ratio Lower Upper

117 100

82 51.1 42.6 63.8

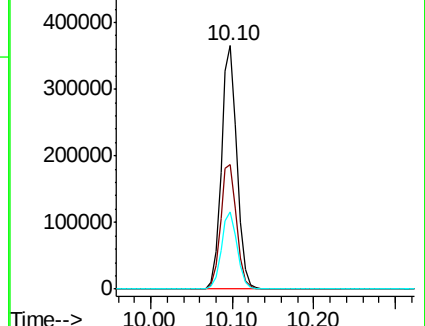
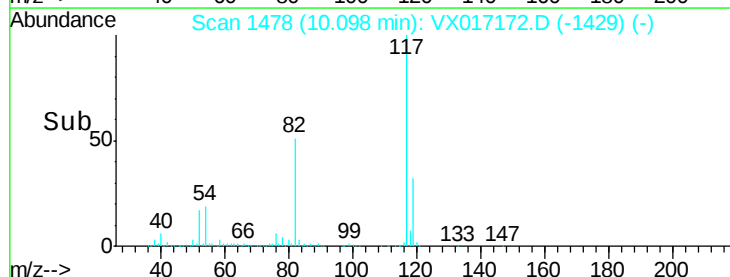
119 31.6 25.4 38.2

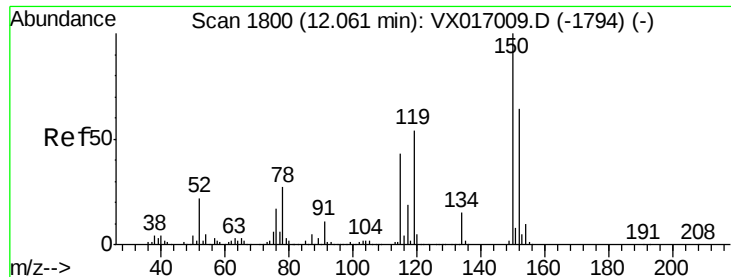


Abundance Ion 116.90 (116.60 to 117.60): VX017172.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017172.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017172.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

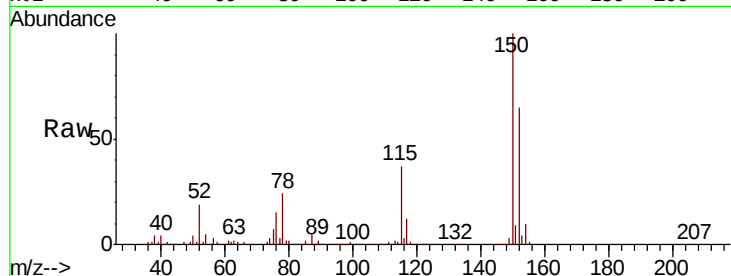
Tot Ion:152 Resp: 270309

Ion Ratio Lower Upper

152 100

115 56.7 40.9 122.7

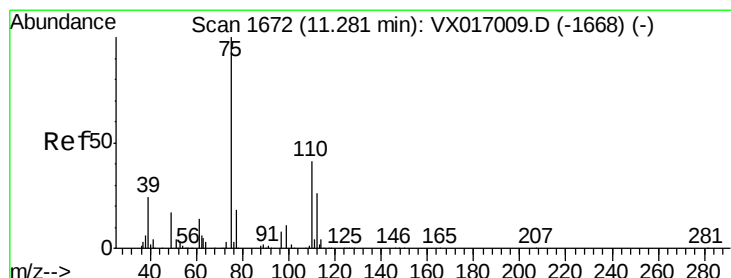
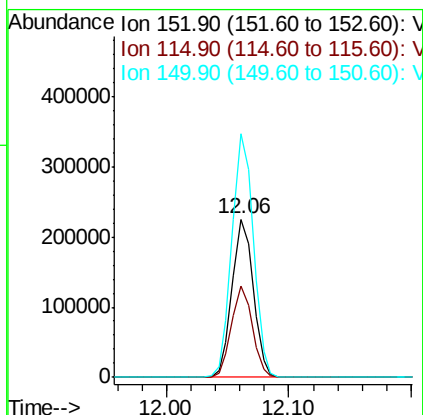
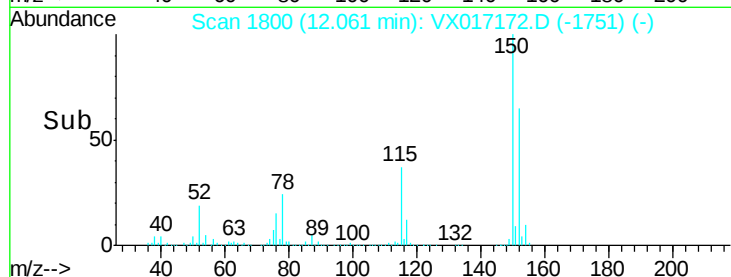
150 155.9 0.0 351.6



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: 22.766 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017172.D

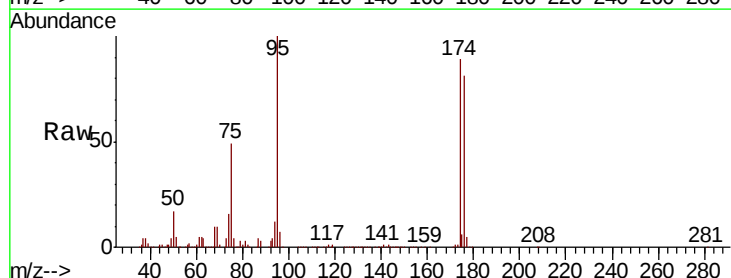
Acq: 06 Jul 2020 16:48

Tgt Ion: 75 Resp: 121010

Ion Ratio Lower Upper

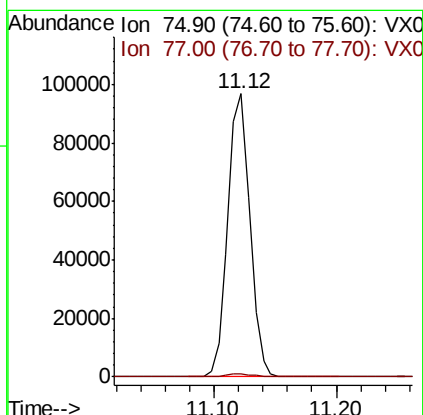
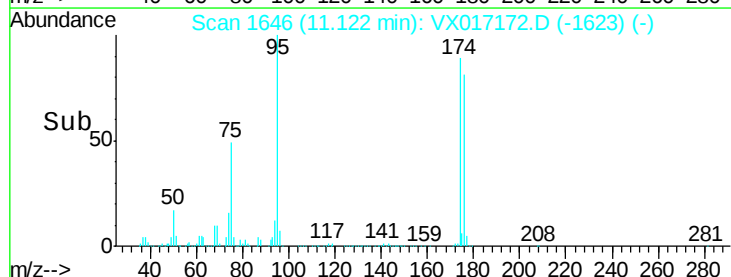
75 100

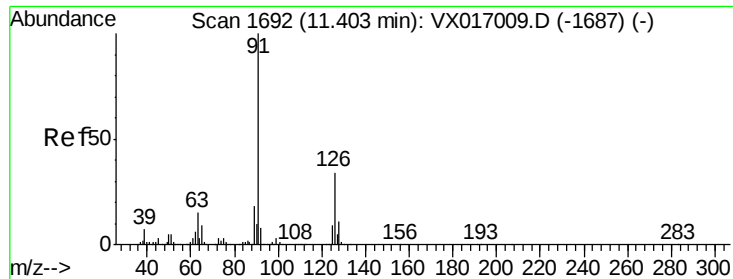
77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

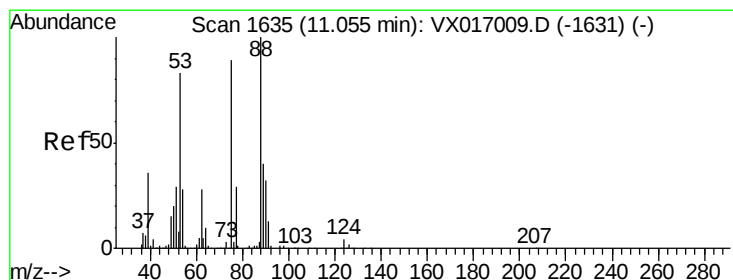
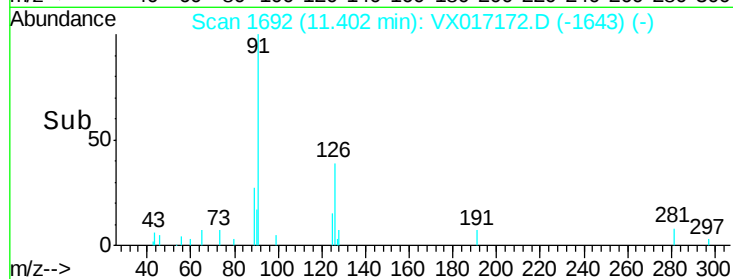
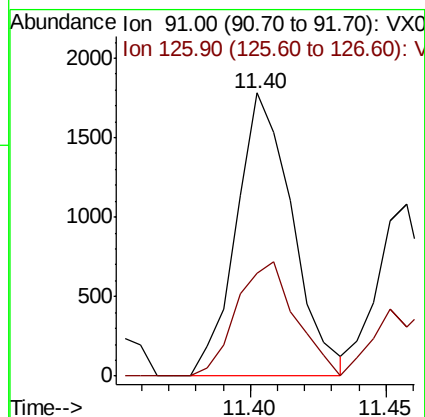
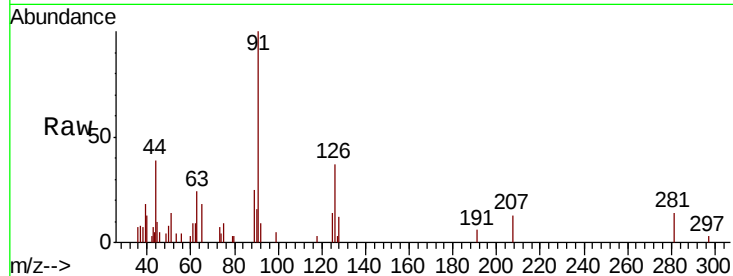




#79
2-Chlorotoluene
Concen: 0.210 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX017172.D
Acq: 06 Jul 2020 16:48

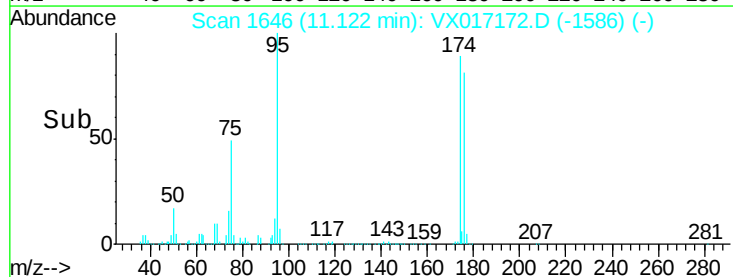
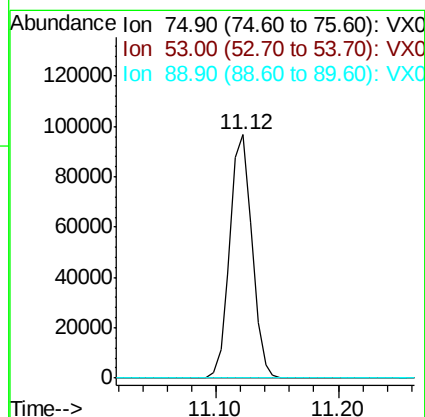
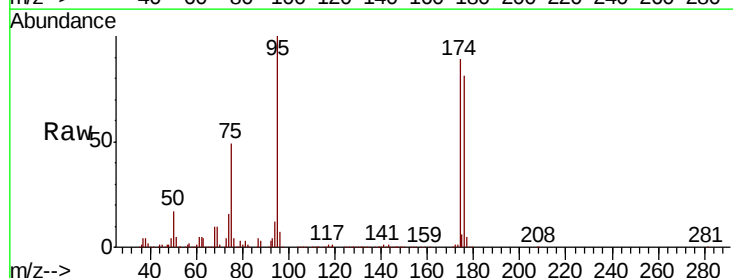
Instrument :
MSVOA_X
ClientSampleId :
40S-20200629

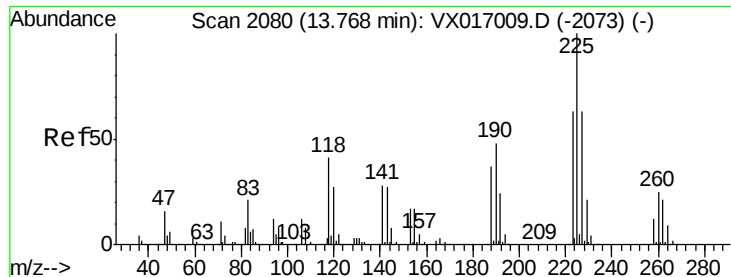
Tot Ion: 91 Resp: 2548
Ion Ratio Lower Upper
91 100
126 42.3 17.4 52.3



#81
trans-1,4-Dichloro-2-butene
Concen: 58.955 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017172.D
Acq: 06 Jul 2020 16:48

Tgt Ion: 75 Resp: 121010
Ion Ratio Lower Upper
75 100
53 0.1 72.4 108.6#
89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.855 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017172.D

Acq: 06 Jul 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

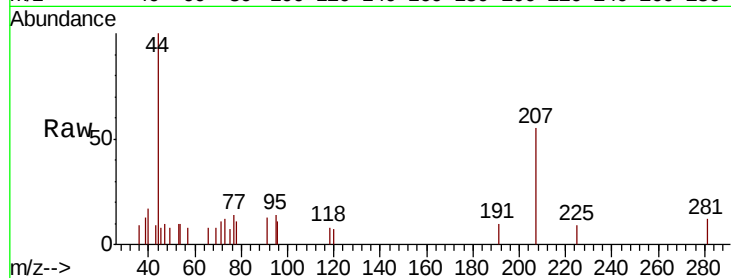
Tot Ion:225 Resp: 23

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 278.3 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

