

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017633.D
 Acq On : 27 Jul 2020 21:35
 Operator : JC/SP
 Sample : L3421-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-6

Quant Time: Jul 28 01:38:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	497901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	848924	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	889646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	481446	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	340103	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
35) Dibromofluoromethane	5.47	113	286261	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	8.70	98	1051382	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.12	95	464494	56.67	ug/l	0.00
Spiked Amount			Recovery	=	113.34%	

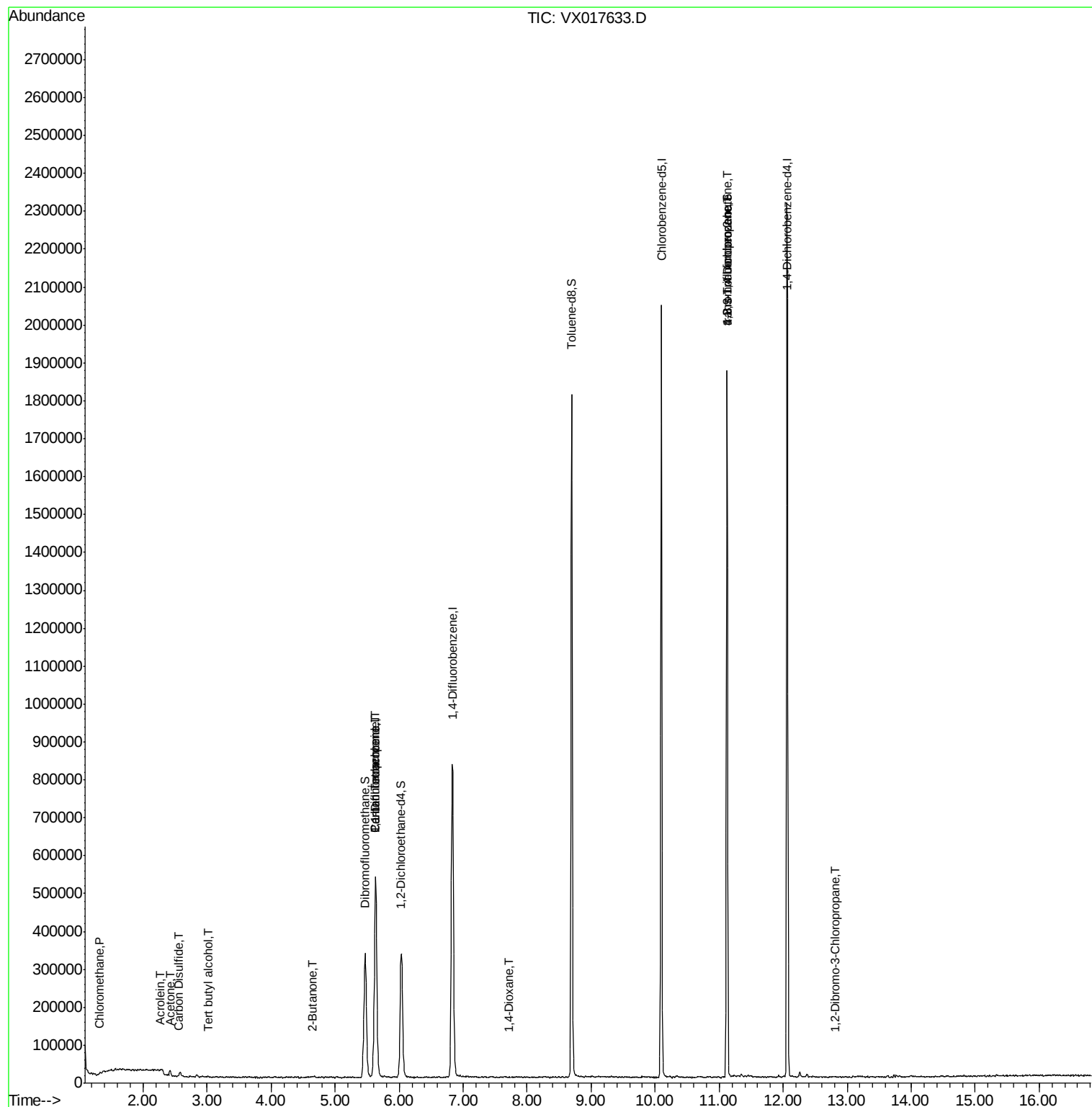
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	594	Below Cal	#	50
3) Chloromethane	1.31	50	1560	0.618	ug/l #	84
5) Bromomethane	1.64	94	1397	Below Cal	#	3
6) Chloroethane	1.70	64	508	Below Cal	#	44
8) Diethyl Ether	2.15	74	969	Below Cal		70
11) Tert butyl alcohol	3.02	59	732	0.543	ug/l #	73
13) Acrolein	2.27	56	642	4.762	ug/l #	80
16) Acetone	2.42	43	17113	6.079	ug/l	97
17) Carbon Disulfide	2.56	76	3129	0.200	ug/l #	74
20) Methylene Chloride	2.83	84	2949	Below Cal	#	86
25) 2-Butanone	4.65	43	1818	0.455	ug/l	95
36) 1,1-Dichloropropene	5.64	75	37452	4.600	ug/l #	42
38) Carbon Tetrachloride	5.64	117	50727	5.131	ug/l #	18
49) 1,4-Dioxane	7.71	88	116	0.830	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	233523	23.580	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	233523	59.416	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	131	2.619	ug/l	71

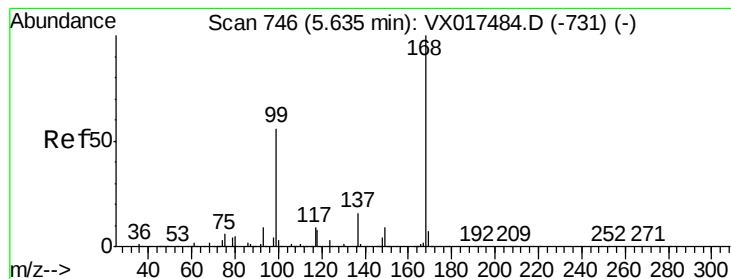
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 24 05:48:09 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: VX017633.D

Acq: 27 Jul 2020 21:35

Instrument :

MSVOA_X

ClientSampleId :

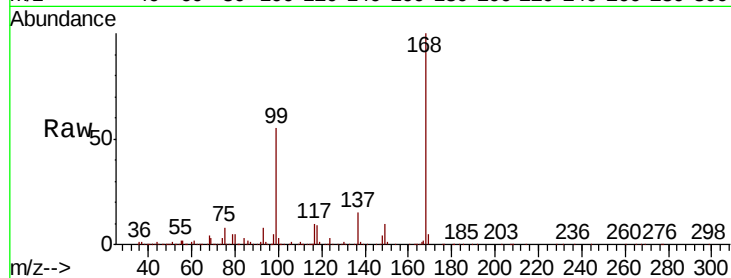
SY-6

Tot Ion:168 Resp: 497901

Ion Ratio Lower Upper

168 100

99 55.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

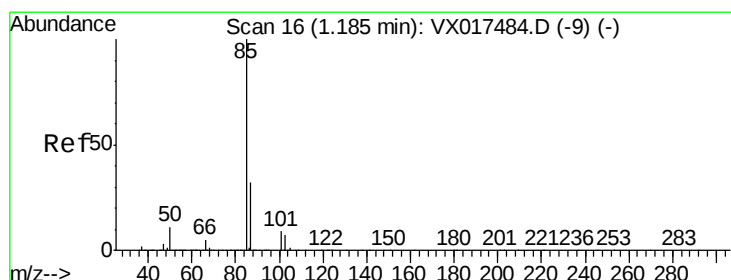
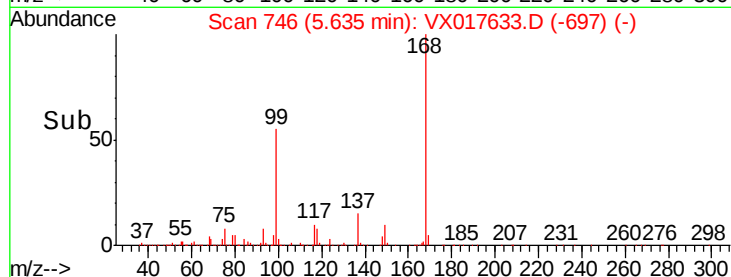
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017633.D

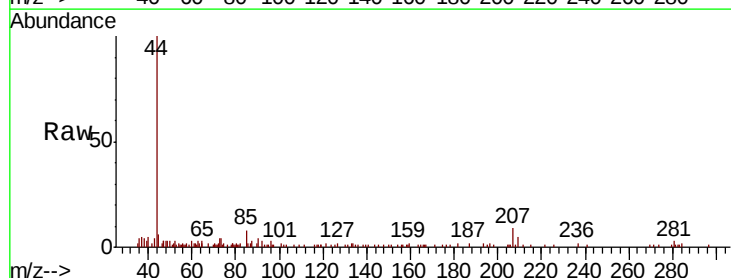
Acq: 27 Jul 2020 21:35

Tgt Ion: 85 Resp: 594

Ion Ratio Lower Upper

85 100

87 59.9 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

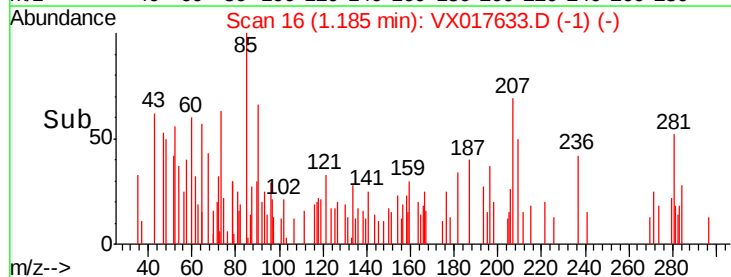
600

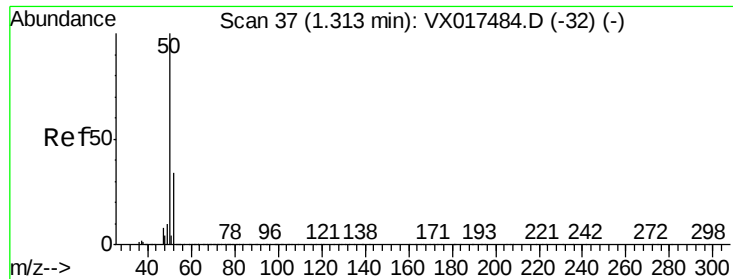
400

200

0

Time-->





#3

Chloromethane

Concen: 0.618 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

Instrument :

MSVOA_X

ClientSampled :

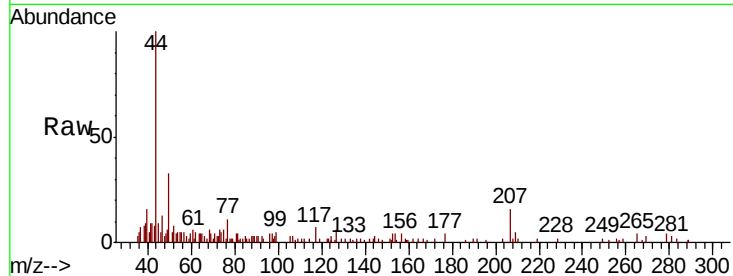
SY-6

Tot Ion: 50 Resp: 1560

Ion Ratio Lower Upper

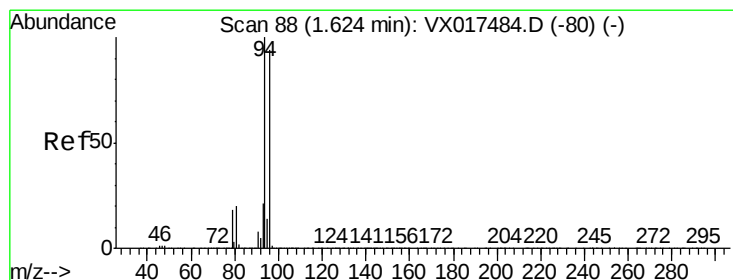
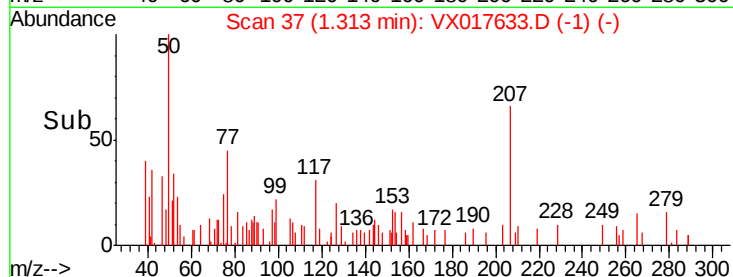
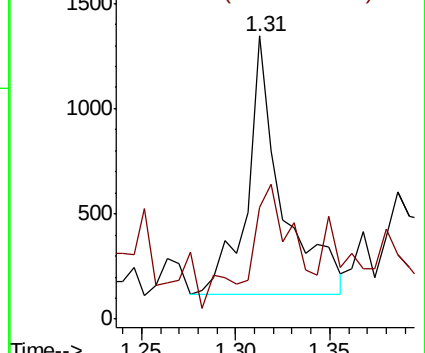
50 100

52 23.2 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: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017633.D

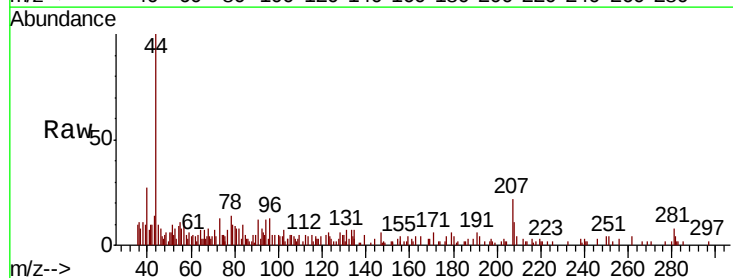
Acq: 27 Jul 2020 21:35

Tgt Ion: 94 Resp: 1397

Ion Ratio Lower Upper

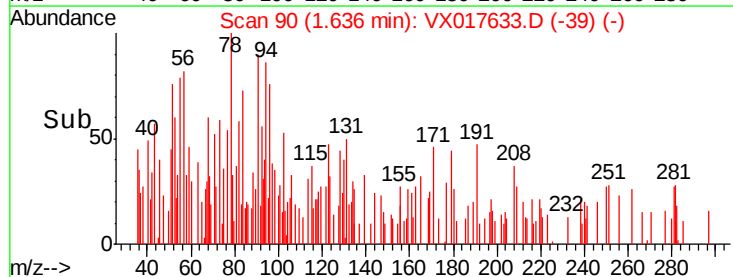
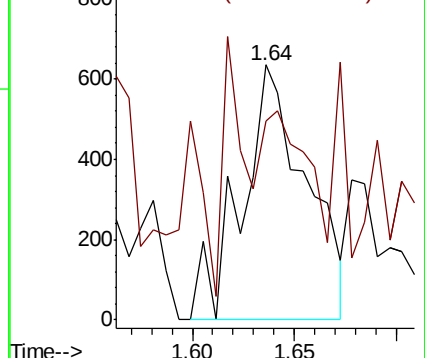
94 100

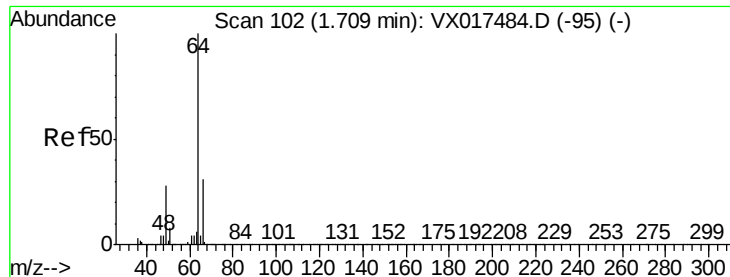
96 0.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

Instrument :

MSVOA_X

ClientSampled :

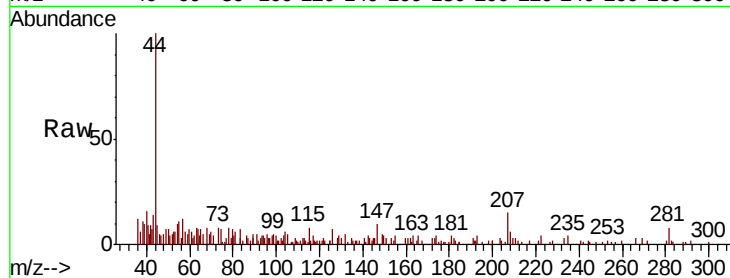
SY-6

Tot Ion: 64 Resp: 508

Ion Ratio Lower Upper

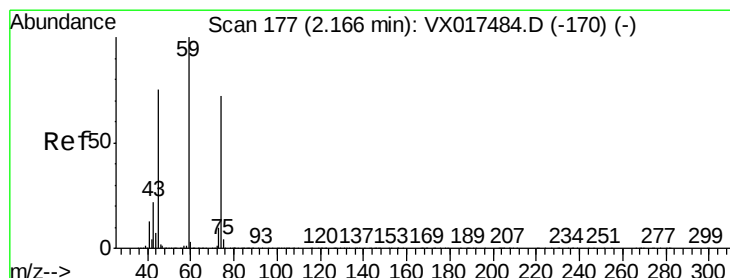
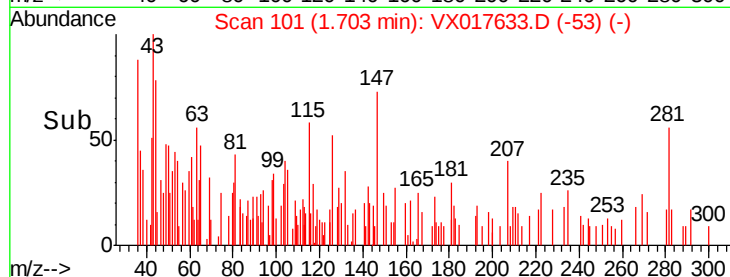
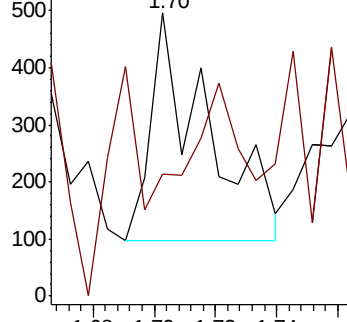
64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VX017633.D

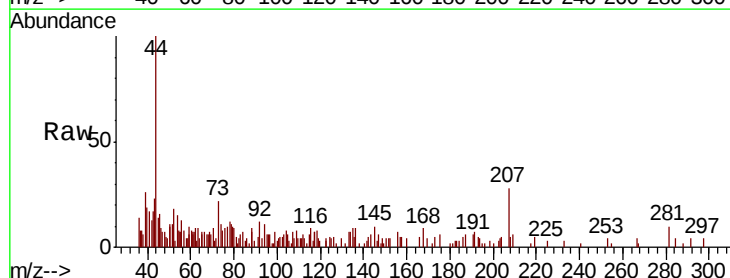
Acq: 27 Jul 2020 21:35

Tgt Ion: 74 Resp: 969

Ion Ratio Lower Upper

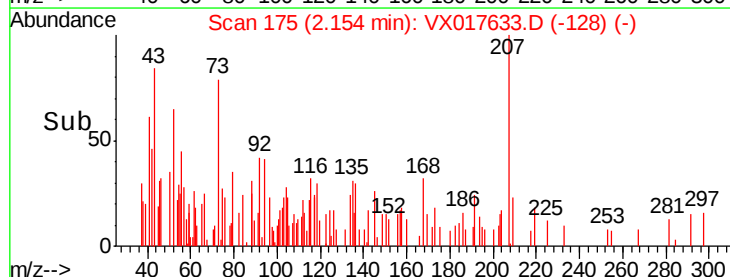
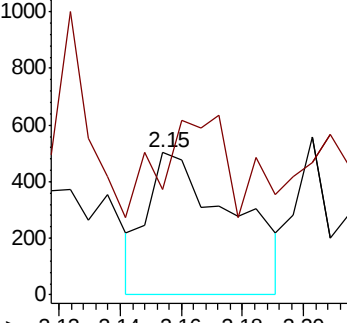
74 100

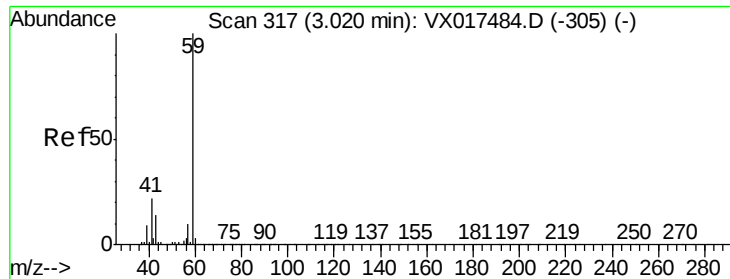
45 71.4 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

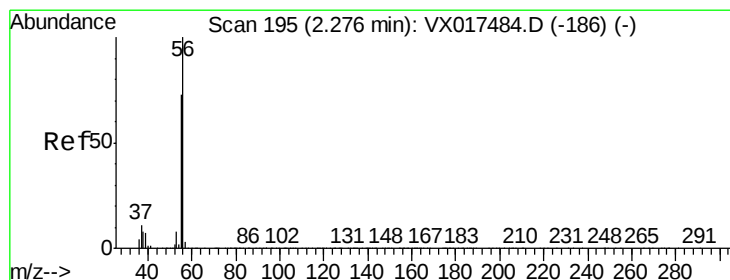
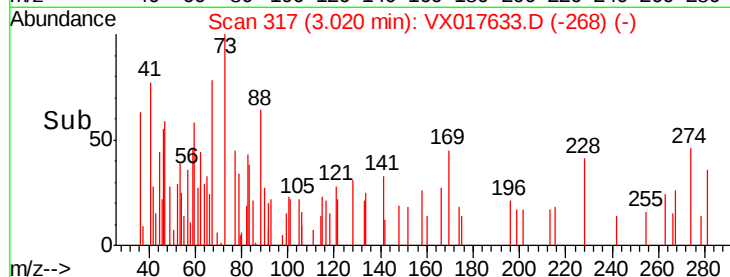
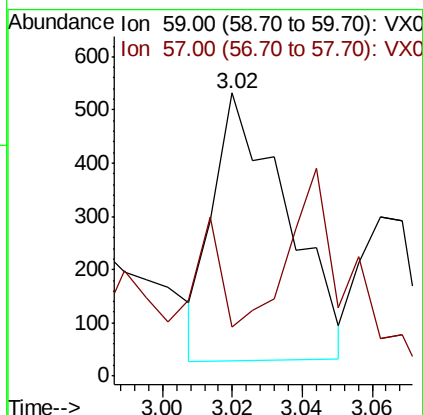
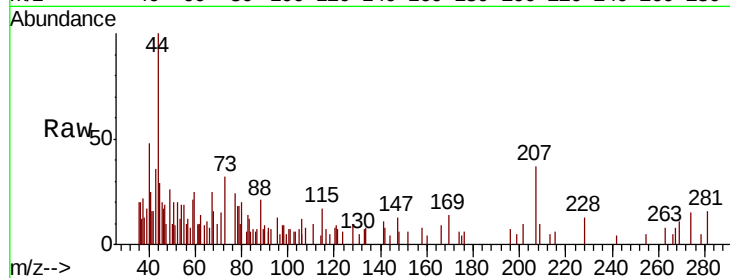




#11
Tert butyl alcohol
Concen: 0.543 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX017633.D
Acq: 27 Jul 2020 21:35

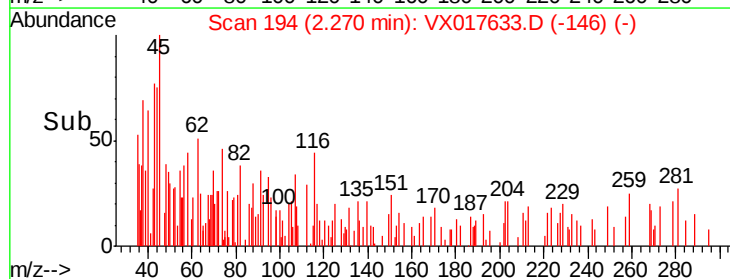
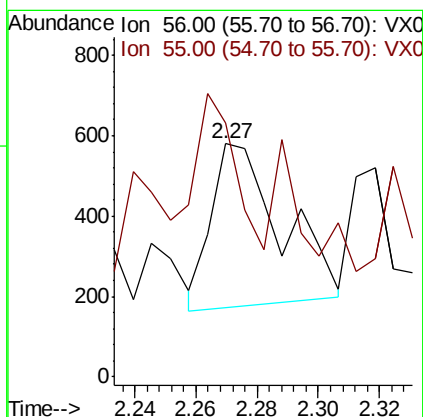
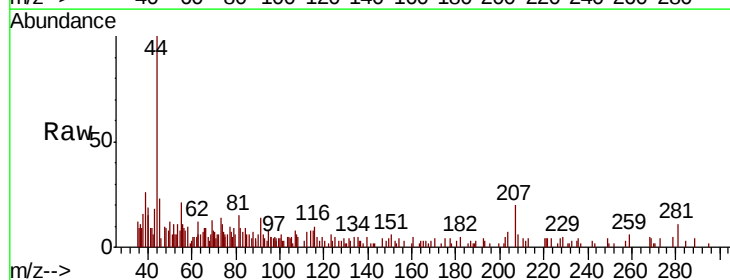
Instrument :
MSVOA_X
ClientSampled :
SY-6

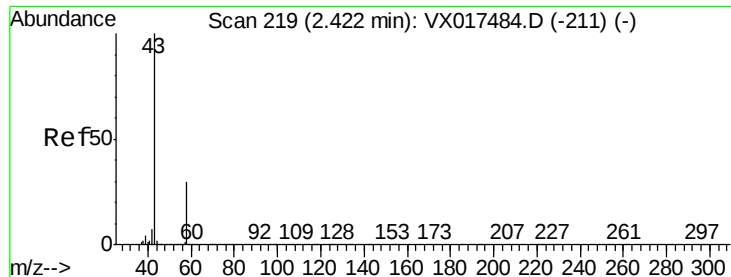
Tot Ion: 59 Resp: 732
Ion Ratio Lower Upper
59 100
57 20.9 8.6 12.8#



#13
Acrolein
Concen: 4.762 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017633.D
Acq: 27 Jul 2020 21:35

Tgt Ion: 56 Resp: 642
Ion Ratio Lower Upper
56 100
55 55.5 57.4 86.2#





#16

Acetone

Concen: 6.079 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

Instrument :

MSVOA_X

ClientSampleId :

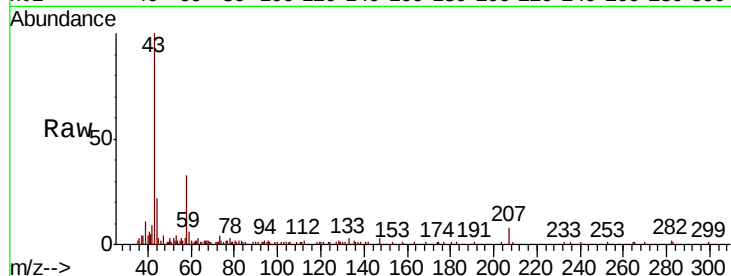
SY-6

Tot Ion: 43 Resp: 17113

Ion Ratio Lower Upper

43 100

58 32.0 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

10000

8000

6000

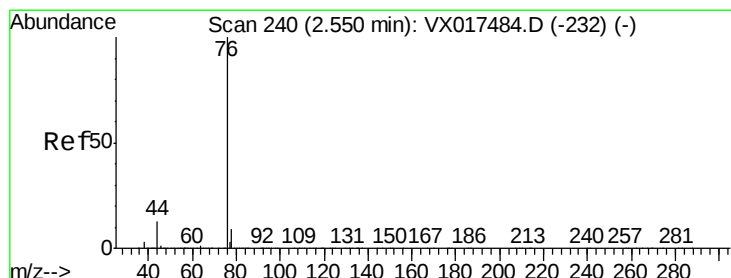
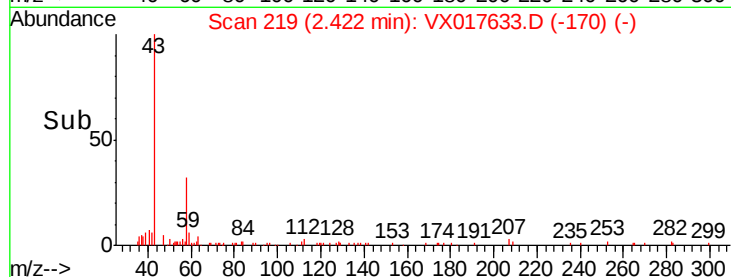
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.200 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017633.D

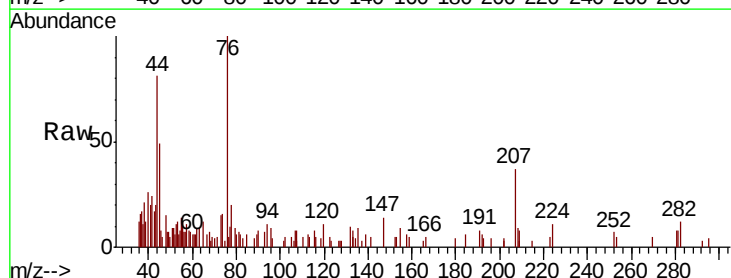
Acq: 27 Jul 2020 21:35

Tgt Ion: 76 Resp: 3129

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

2000

1500

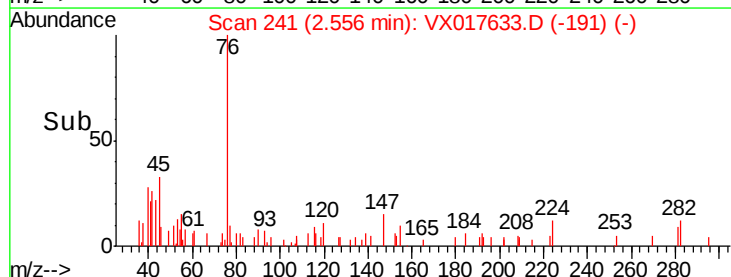
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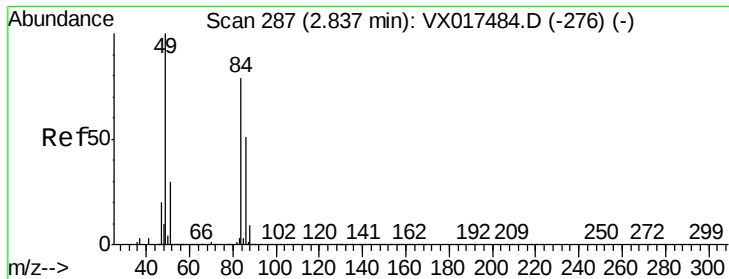
500

0

Time-->

2.45 2.50 2.55 2.60

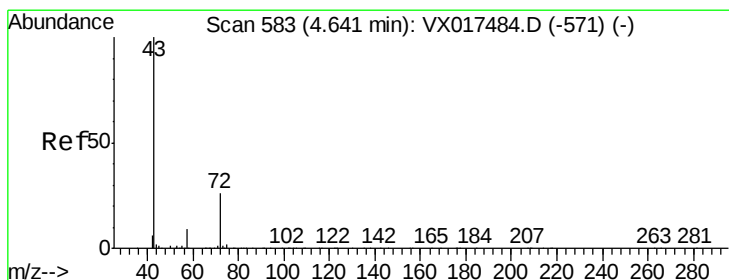
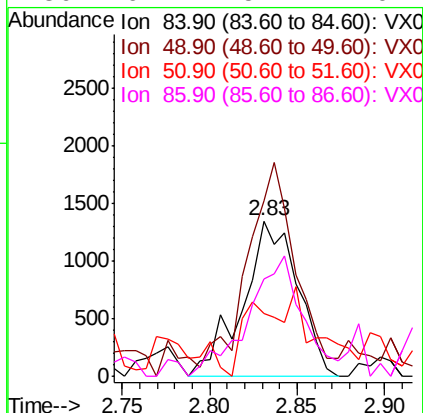
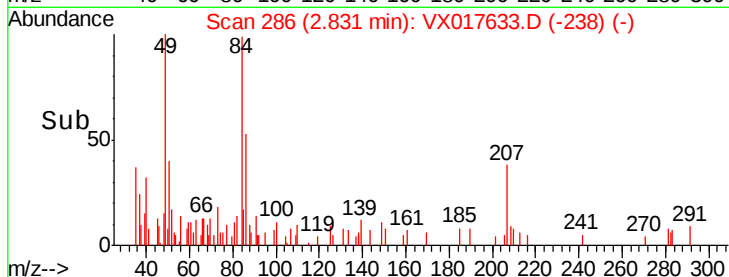
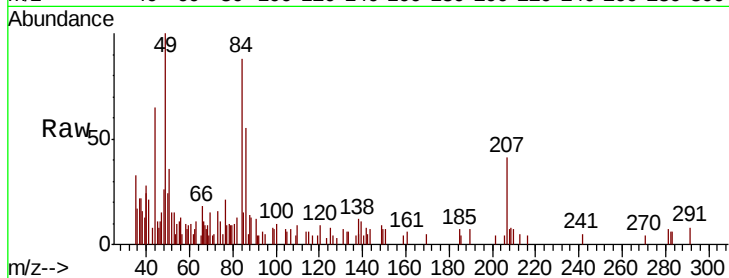




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017633.D
Acq: 27 Jul 2020 21:35

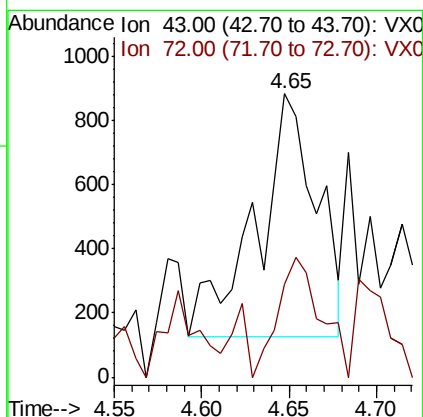
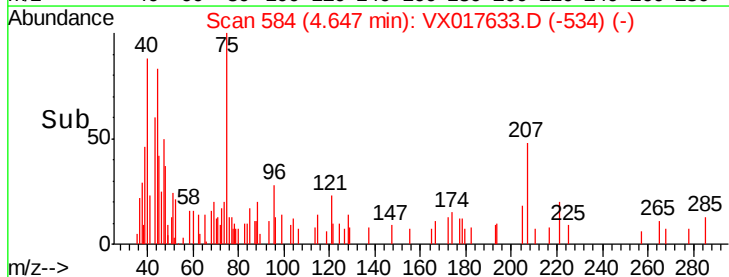
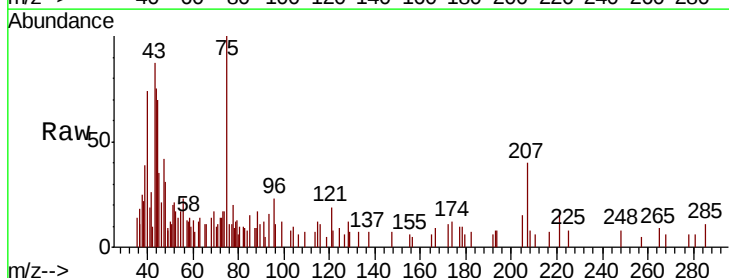
Instrument :
MSVOA_X
ClientSampleId :
SY-6

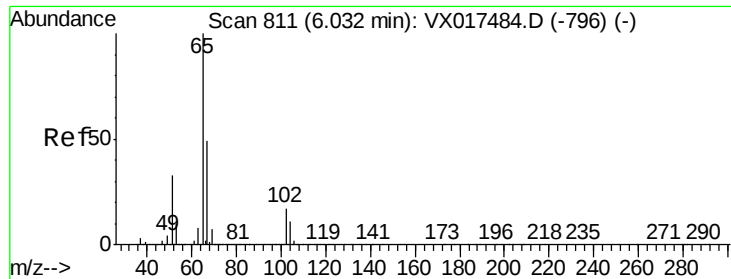
Tot Ion: 84 Resp: 2949
Ion Ratio Lower Upper
84 100
49 102.2 100.3 150.5
51 29.3 30.5 45.7#
86 62.4 51.1 76.7



#25
2-Butanone
Concen: 0.455 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017633.D
Acq: 27 Jul 2020 21:35

Tgt Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
72 21.1 19.0 28.4





#33

1,2-Dichloroethane-d4

Concen: 53.176 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

Instrument :

MSVOA_X

ClientSampled :

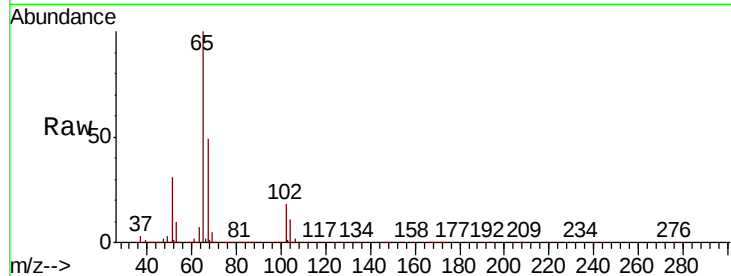
SY-6

Tot Ion: 65 Resp: 340103

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

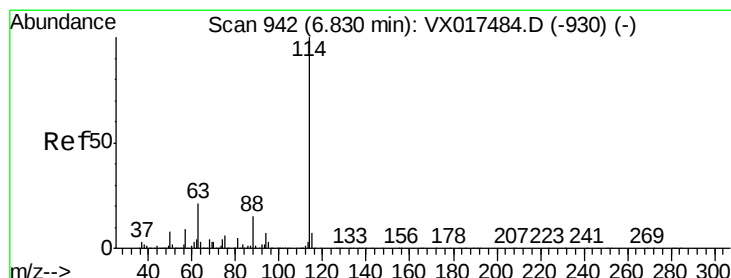
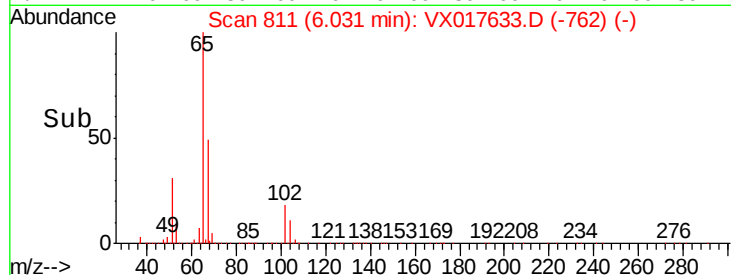
100000

50000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

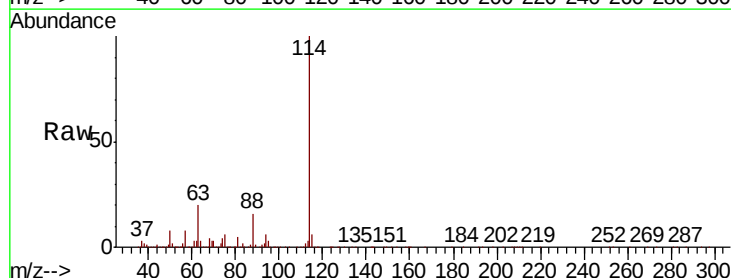
Tgt Ion: 114 Resp: 848924

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

88 16.0 0.0 33.4



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

6.83

400000

300000

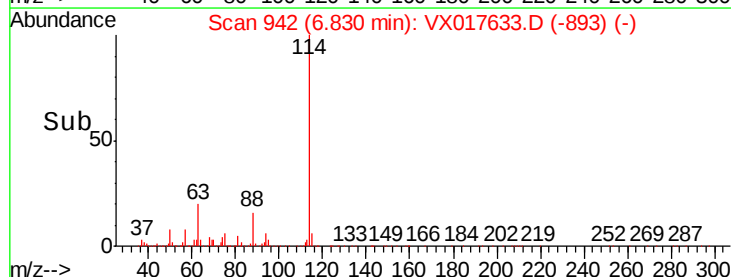
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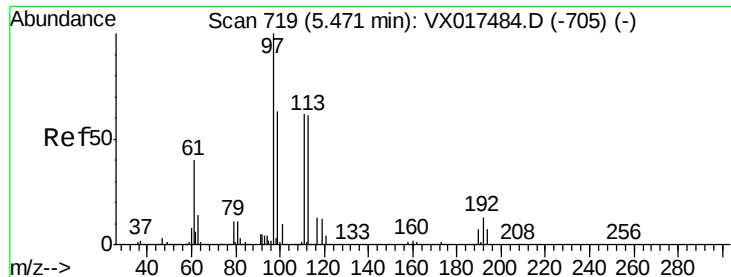
100000

0

Time-->

6.70 6.80 6.90 7.00

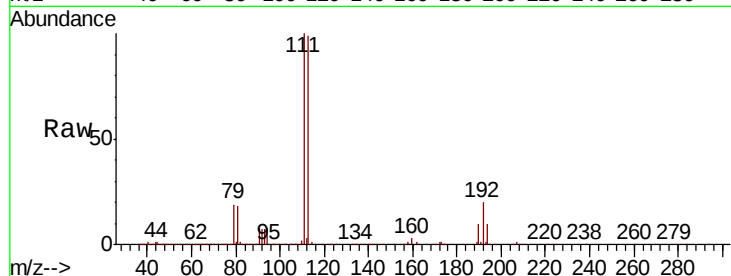




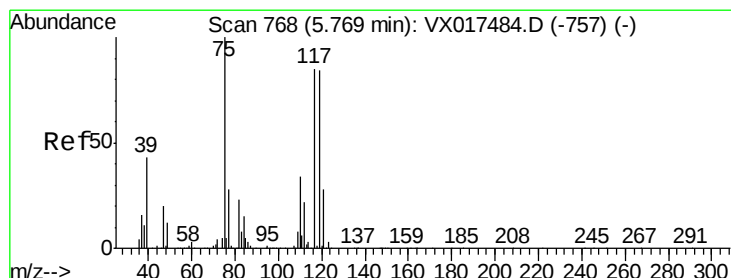
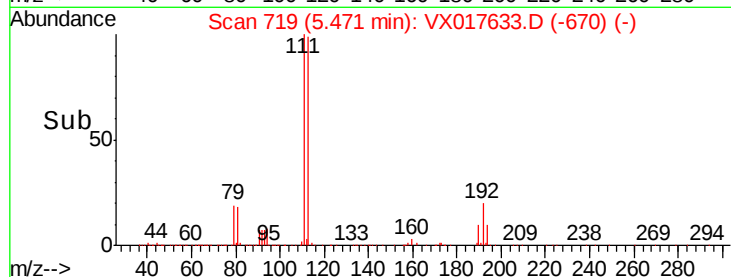
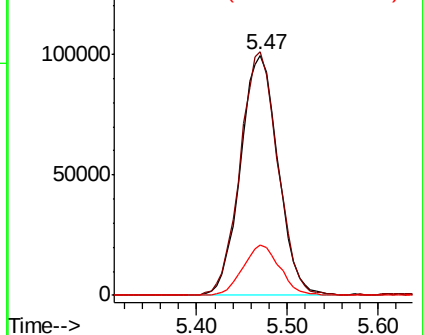
#35
 Dibromofluoromethane
 Concen: 50.419 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017633.D
 Acq: 27 Jul 2020 21:35

Instrument :
 MSVOA_X
 ClientSampled :
 SY-6

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.7	121.1
192	20.7	16.9	25.3

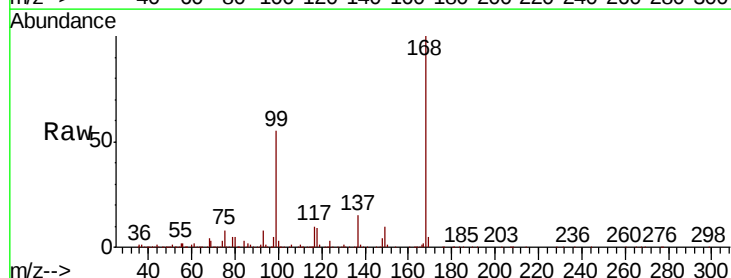


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

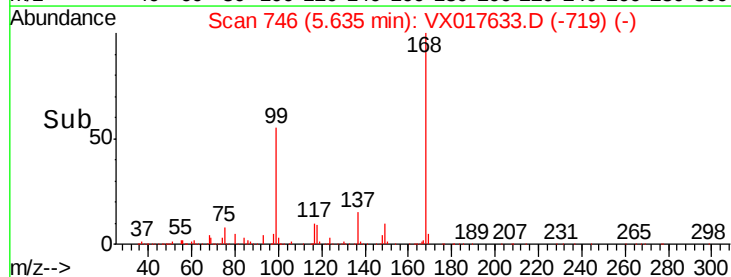
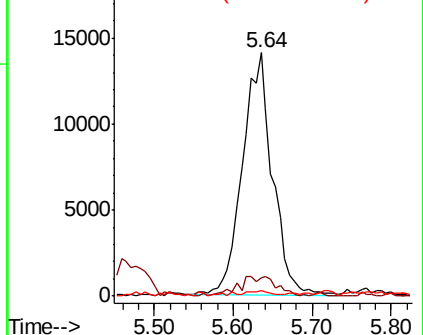


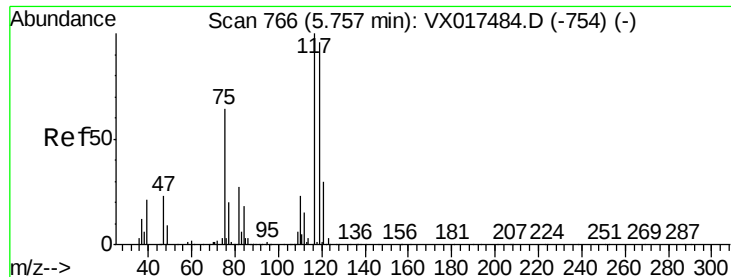
#36
 1,1-Dichloropropene
 Concen: 4.600 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017633.D
 Acq: 27 Jul 2020 21:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.3#
77	1.1	24.6	37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.131 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

Instrument :

MSVOA_X

ClientSampleId :

SY-6

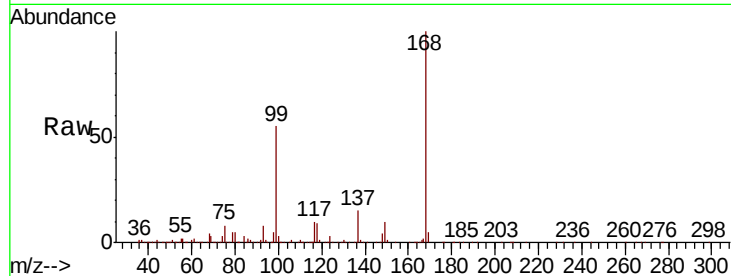
Tot Ion:117 Resp: 50727

Ion Ratio Lower Upper

117 100

119 6.7 75.4 113.0#

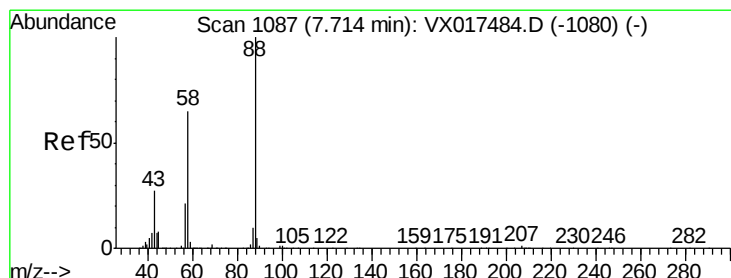
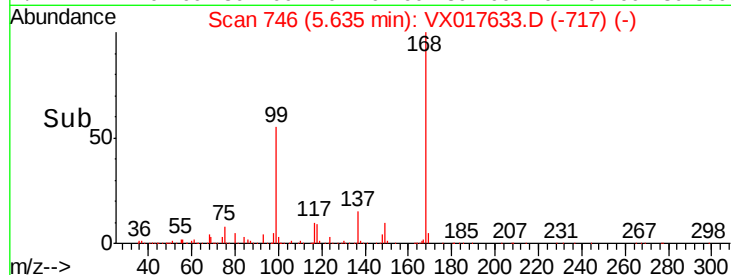
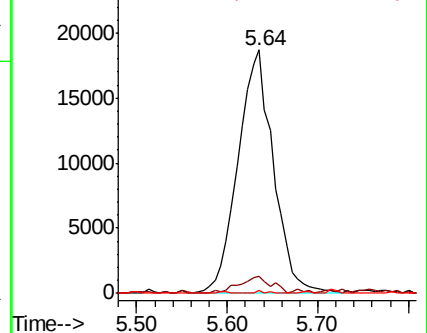
121 1.1 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 0.830 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

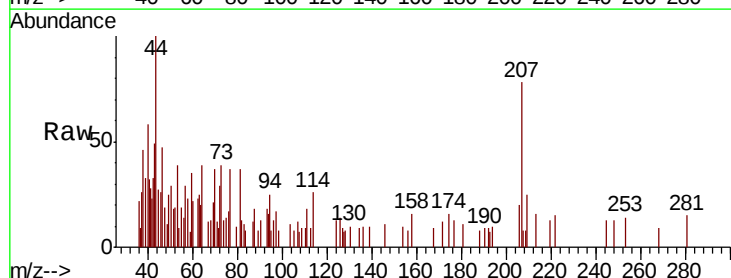
Tgt Ion: 88 Resp: 116

Ion Ratio Lower Upper

88 100

43 362.9 27.8 41.6#

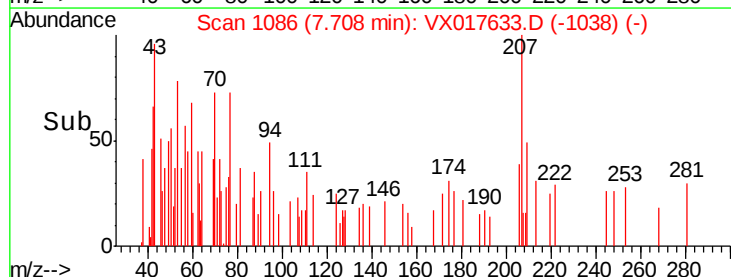
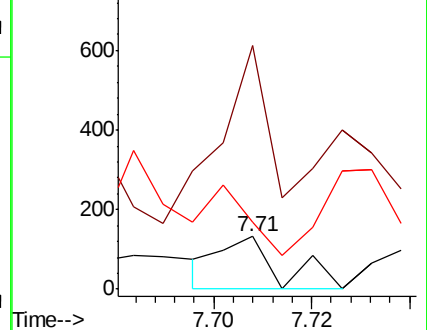
58 0.0 58.3 87.5#

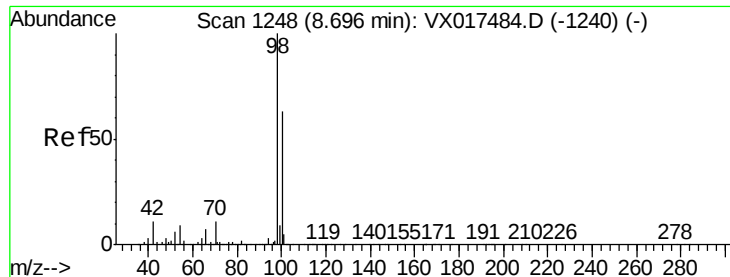


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.332 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

Instrument :

MSVOA_X

ClientSampleId :

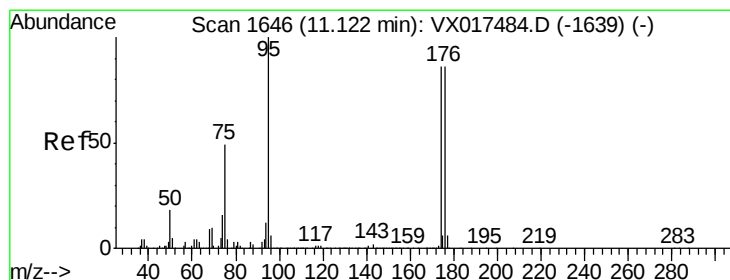
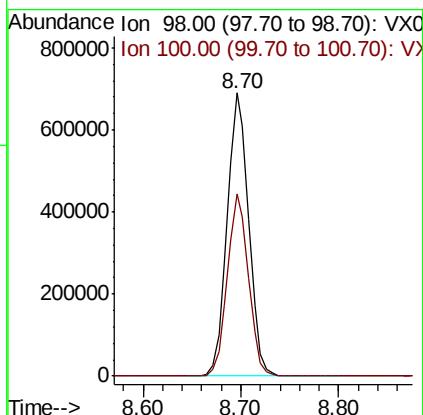
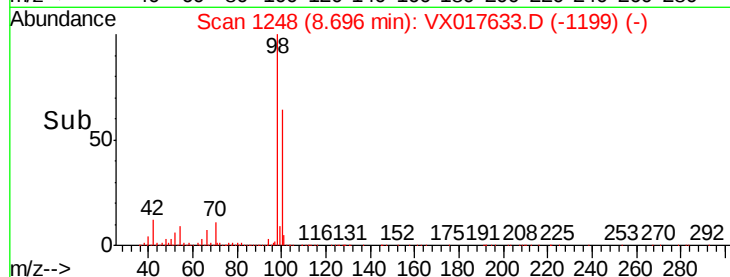
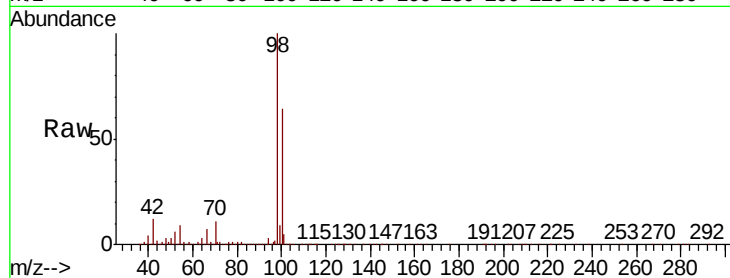
SY-6

Tot Ion: 98 Resp: 1051382

Ion Ratio Lower Upper

98 100

100 63.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 56.667 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017633.D

Acq: 27 Jul 2020 21:35

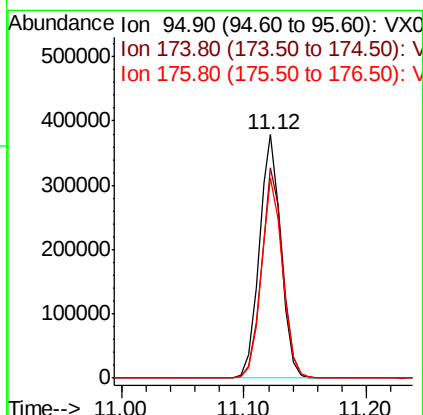
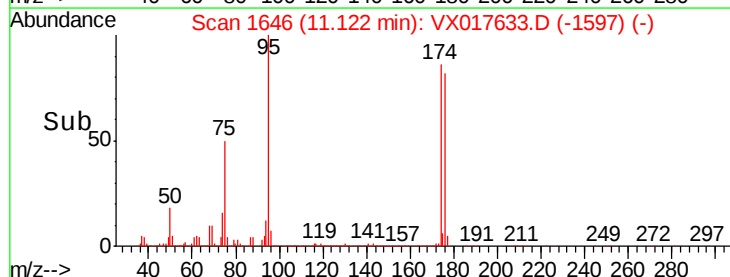
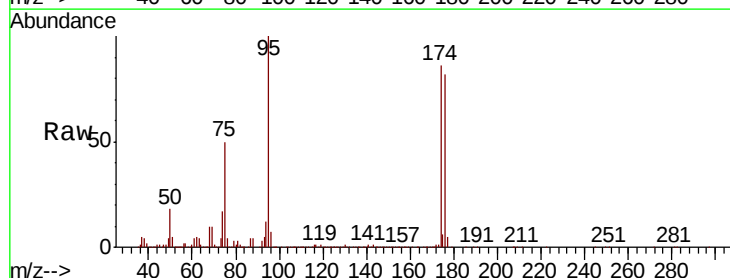
Tgt Ion: 95 Resp: 464494

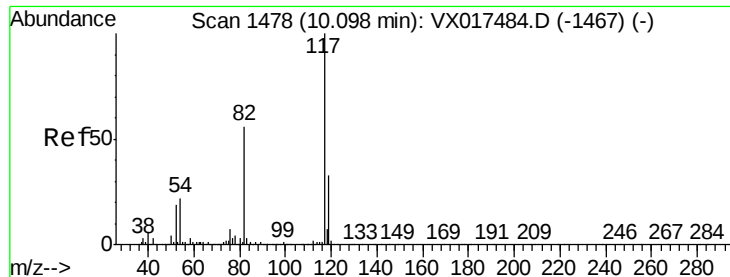
Ion Ratio Lower Upper

95 100

174 85.5 0.0 169.0

176 81.3 0.0 161.0

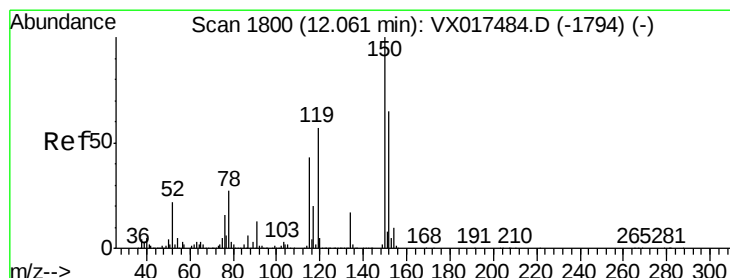
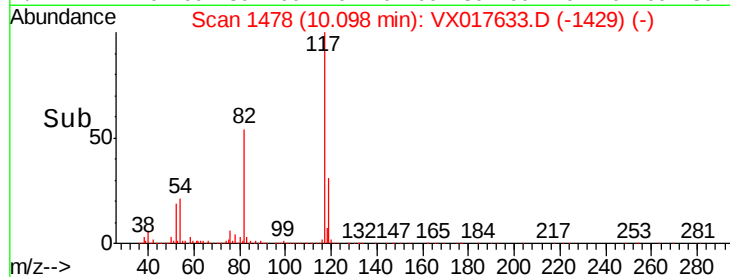
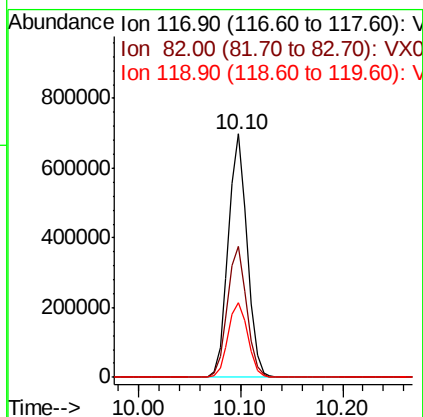
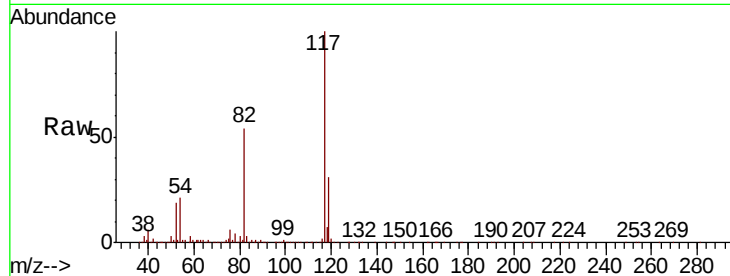




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017633.D
Acq: 27 Jul 2020 21:35

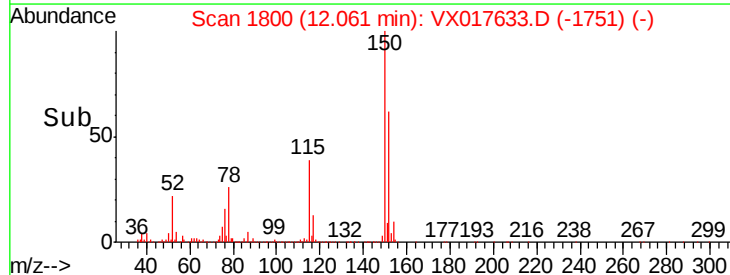
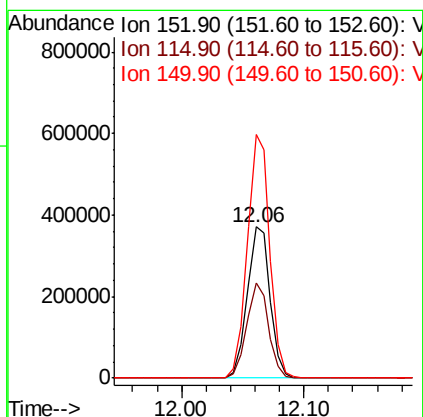
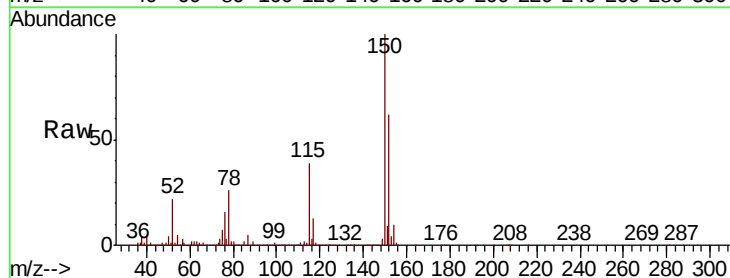
Instrument :
MSVOA_X
ClientSampleId :
SY-6

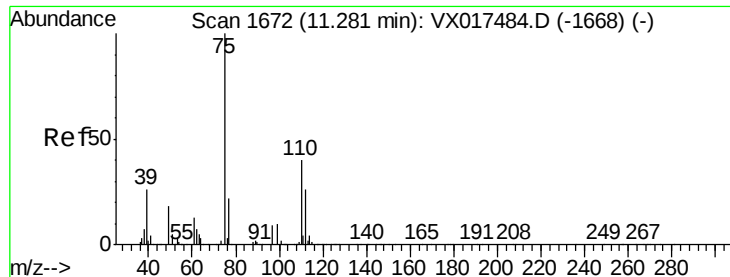
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.0	66.0
119	30.7	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017633.D
Acq: 27 Jul 2020 21:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	65.5	196.6#
150	157.3	0.0	412.6

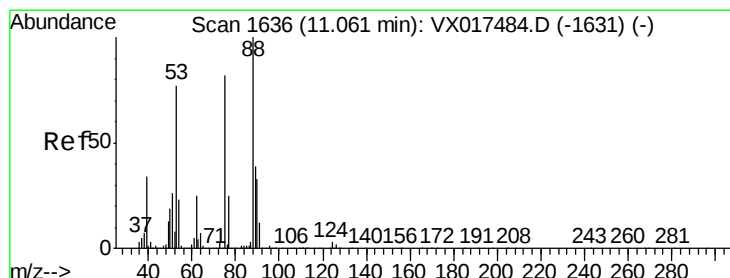
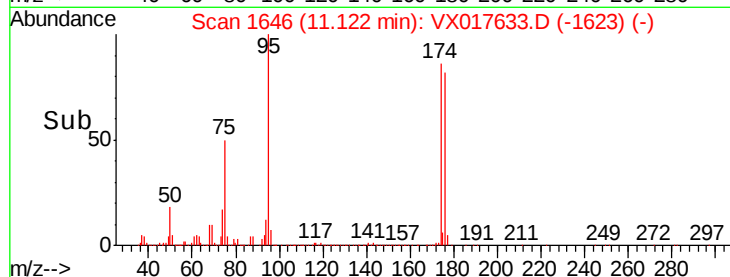
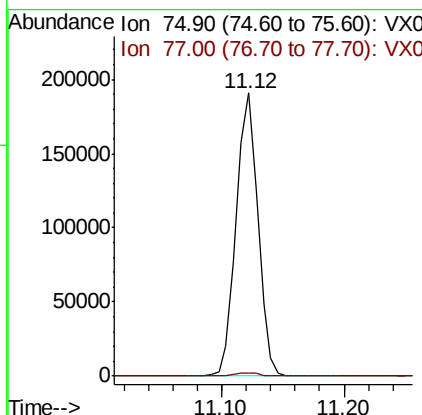
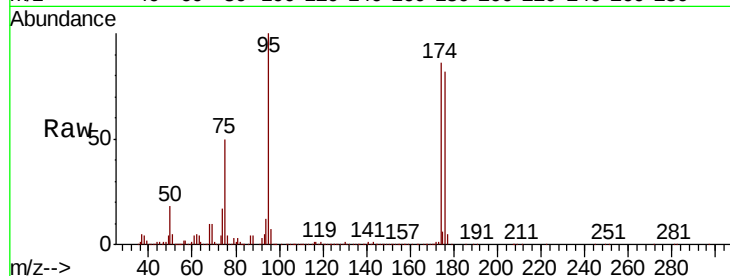




#76
 1,2,3-Trichloropropane
 Concen: 23.580 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017633.D
 Acq: 27 Jul 2020 21:35

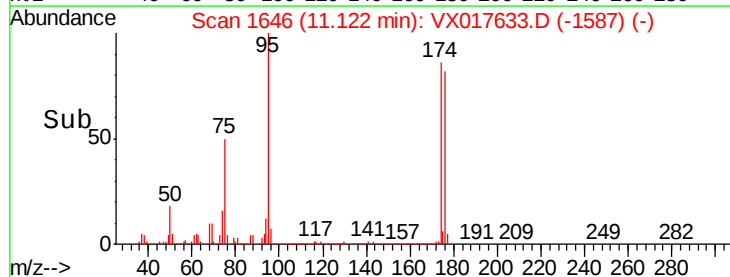
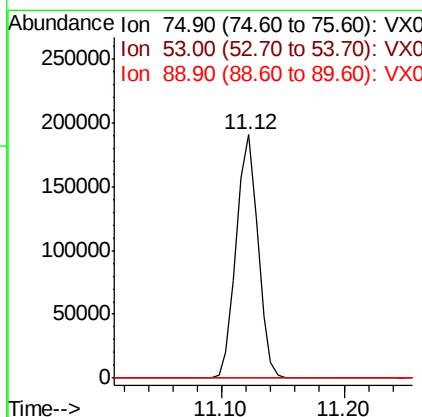
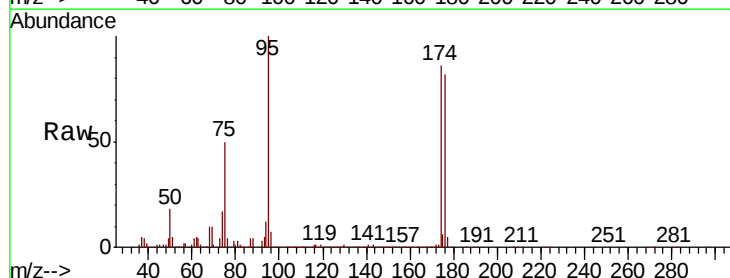
Instrument :
 MSVOA_X
 ClientSampleId :
 SY-6

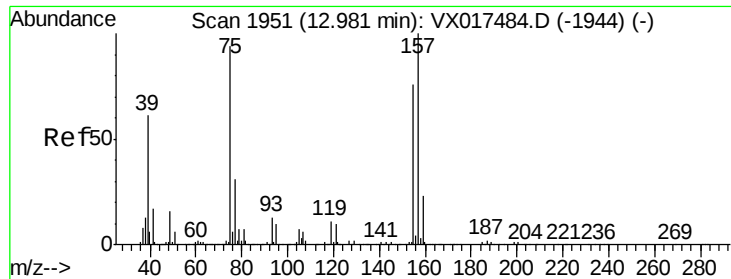
Tot Ion: 75 Resp: 233523
 Ion Ratio Lower Upper
 75 100
 77 1.6 21.8 65.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.416 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017633.D
 Acq: 27 Jul 2020 21:35

Tgt Ion: 75 Resp: 233523
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.9 113.9#
 89 0.0 37.8 56.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.619 ug/l
 RT: 12.82 min Scan# 1924
 Delta R.T. -0.16 min
 Lab File: VX017633.D
 Acq: 27 Jul 2020 21:35

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-6

Tot Ion: 75 Resp: 131
 Ion Ratio Lower Upper
 75 100
 155 69.5 42.3 126.8
 157 67.9 54.3 162.9

