

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016583.D
 Acq On : 04 Jun 2020 15:59
 Operator : JC/SP
 Sample : L2894-07 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:22:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	226043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	366323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	366810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203822	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	135604	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	5.46	113	112762	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	8.70	98	443789	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.12	95	192333	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	

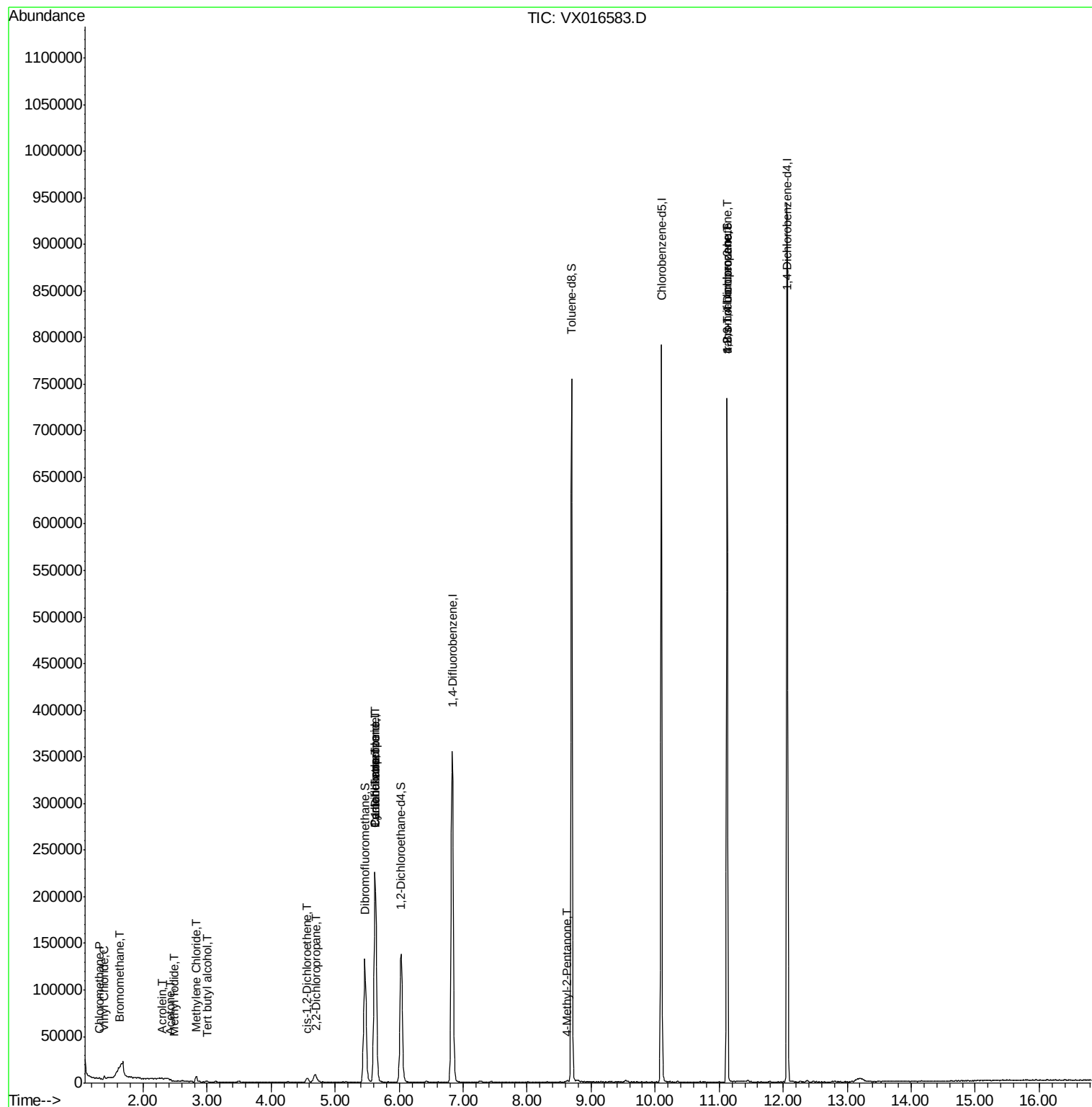
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	669	0.249	ug/l	100
4) Vinyl Chloride	1.39	62	1720	0.605	ug/l	97
5) Bromomethane	1.62	94	583	0.422	ug/l	84
10) Methyl Iodide	2.49	142	323	3.179	ug/l #	91
11) Tert butyl alcohol	3.00	59	520	0.722	ug/l #	72
13) Acrolein	2.29	56	378	1.234	ug/l #	13
16) Acetone	2.43	43	1215	0.988	ug/l	98
20) Methylene Chloride	2.82	84	3030	1.191	ug/l #	94
26) 2,2-Dichloropropane	4.70	77	820	0.231	ug/l #	53
27) cis-1,2-Dichloroethene	4.56	96	3263	1.172	ug/l	80
31) Cyclohexane	5.62	56	4060	1.041	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	15617	4.503	ug/l #	52
38) Carbon Tetrachloride	5.62	117	22233	6.100	ug/l #	16
51) 4-Methyl-2-Pentanone	8.63	43	1011	0.250	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	93595	20.891	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	93595	51.389	ug/l #	14

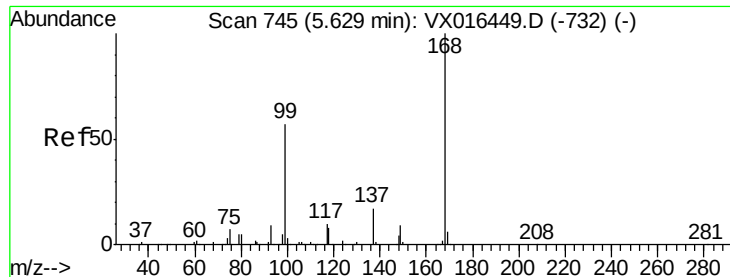
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016583.D

Acq: 04 Jun 2020 15:59

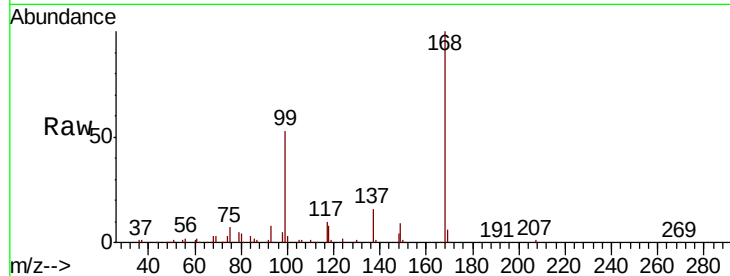
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 226043

Ion Ratio Lower Upper

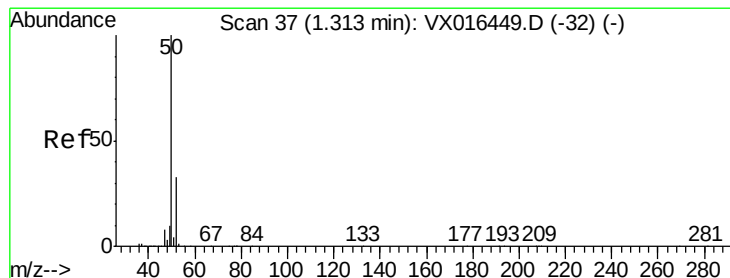
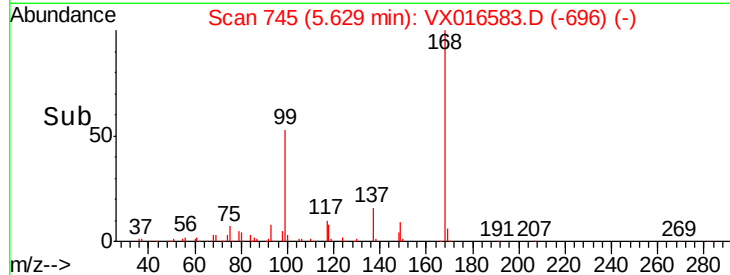
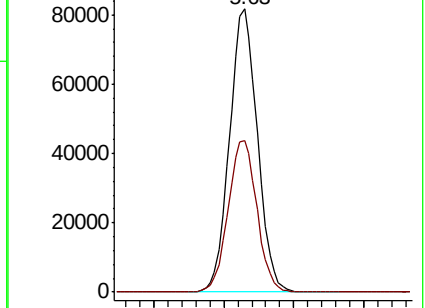
168 100

99 53.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016583.D

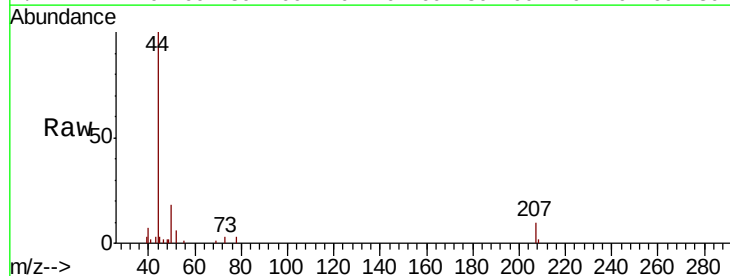
Acq: 04 Jun 2020 15:59

Tgt Ion: 50 Resp: 669

Ion Ratio Lower Upper

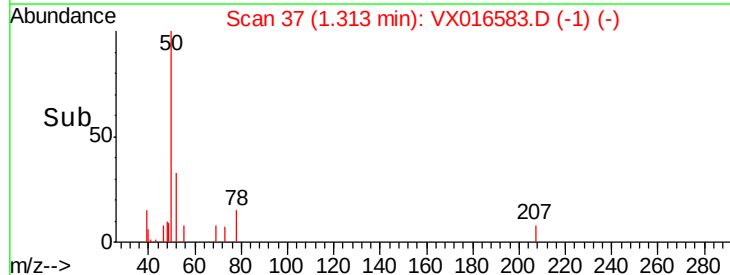
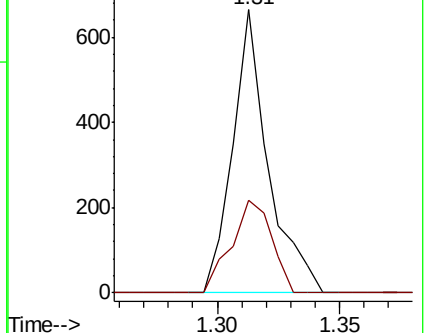
50 100

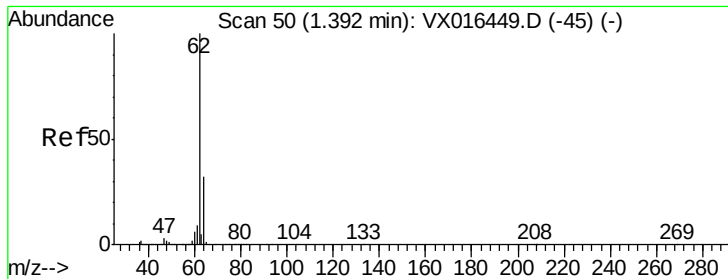
52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.605 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016583.D

Acq: 04 Jun 2020 15:59

Instrument :

MSVOA_X

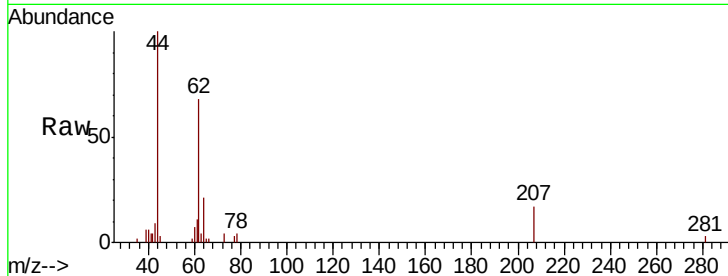
ClientSampleId :

Tot Ion: 62 Resp: 1720

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

2000

1500

1000

500

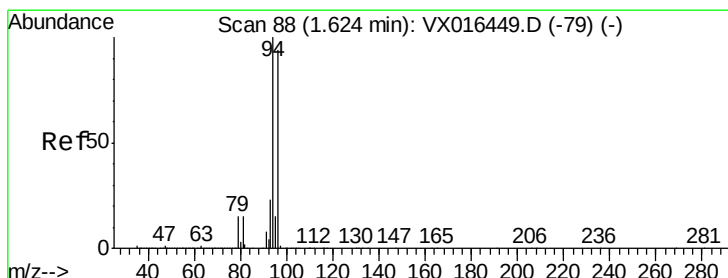
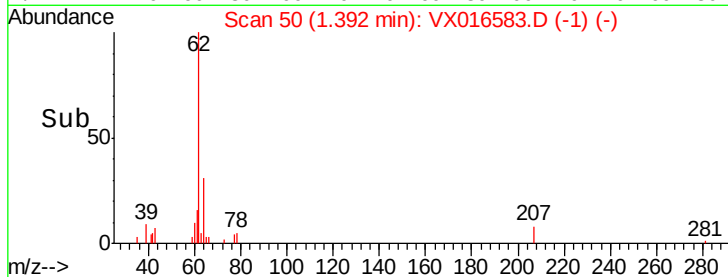
0

Time-->

1.35

1.40

1.45



#5

Bromomethane

Concen: 0.422 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016583.D

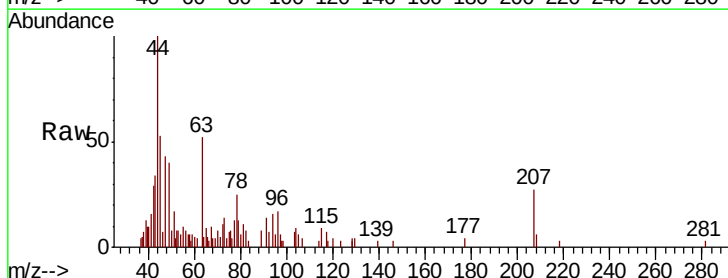
Acq: 04 Jun 2020 15:59

Tgt Ion: 94 Resp: 583

Ion Ratio Lower Upper

94 100

96 109.6 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

400

300

200

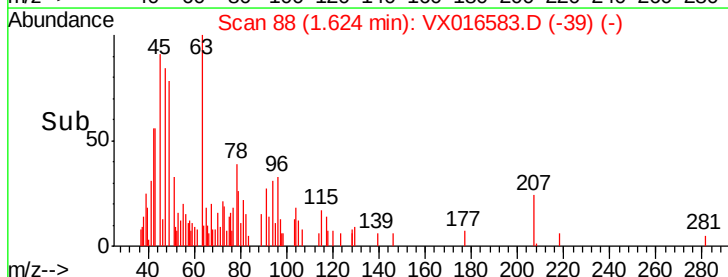
100

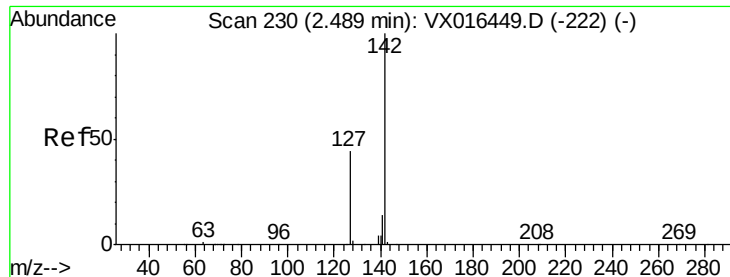
0

Time-->

1.60

1.65

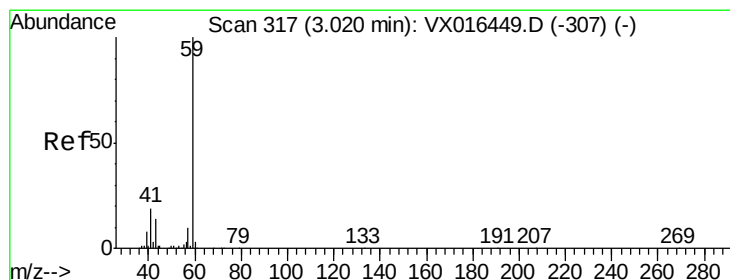
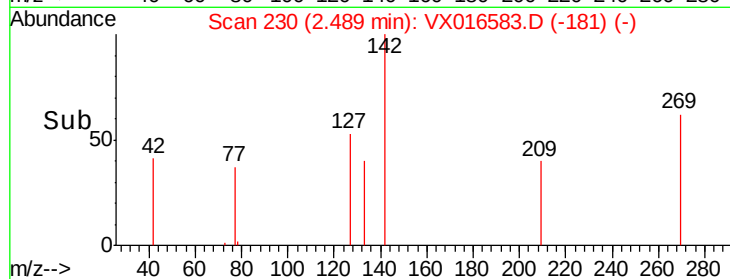
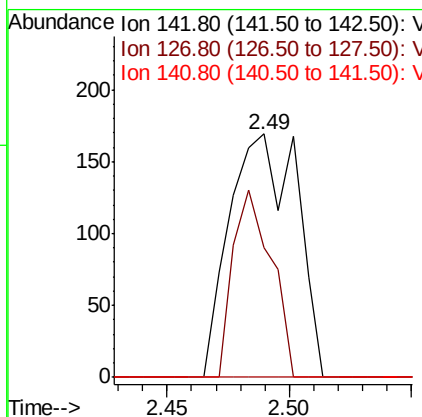
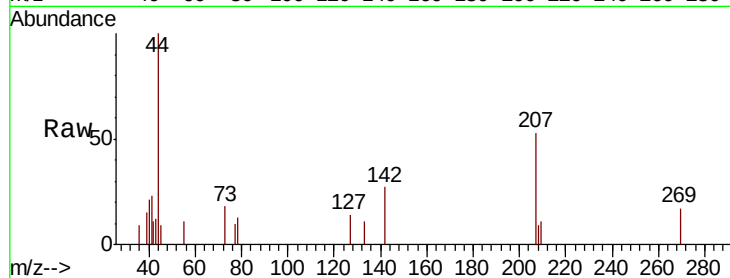




#10
Methvl Iodide
Concen: 3.179 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX016583.D
Acq: 04 Jun 2020 15:59

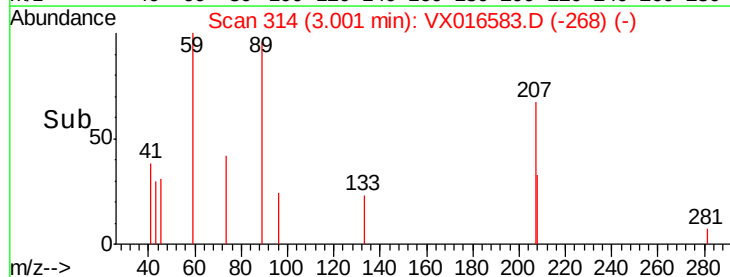
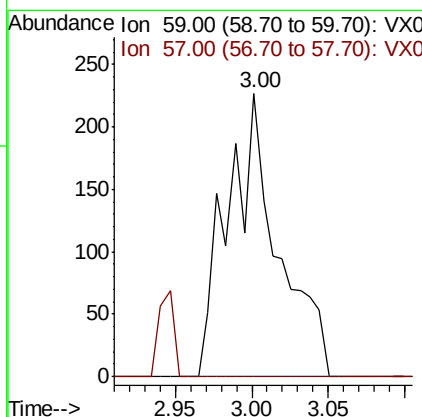
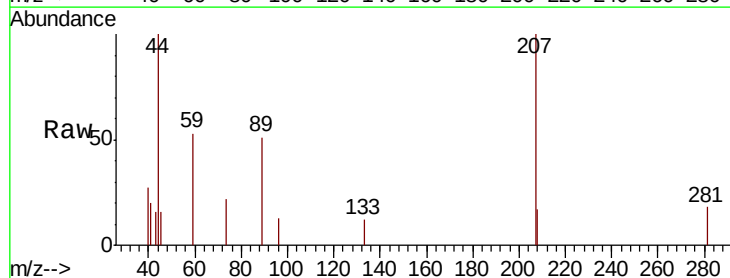
Instrument :
MSVOA_X
ClientSampleId :

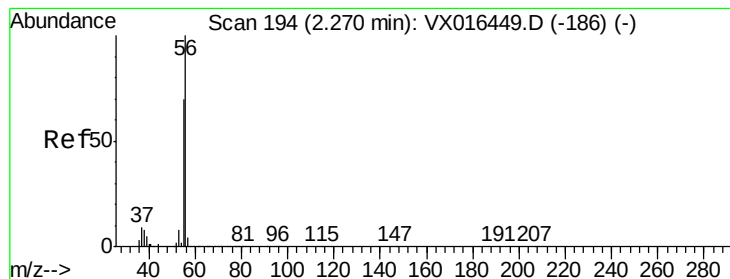
Tot Ion:142 Resp: 323
Ion Ratio Lower Upper
142 100
127 44.0 35.3 52.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.722 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016583.D
Acq: 04 Jun 2020 15:59

Tgt Ion: 59 Resp: 520
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.234 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX016583.D

Acq: 04 Jun 2020 15:59

Instrument :

MSVOA_X

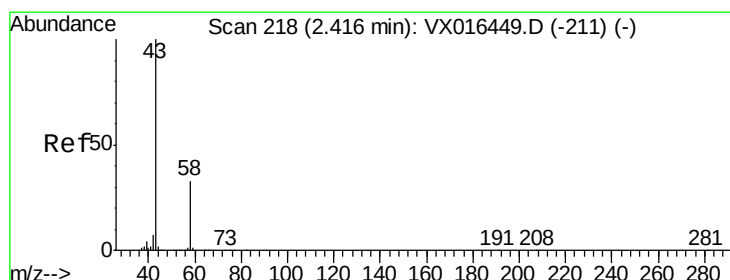
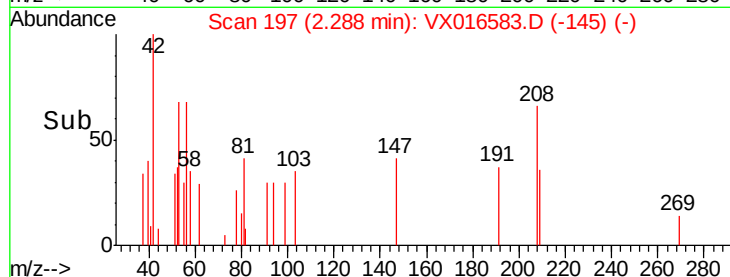
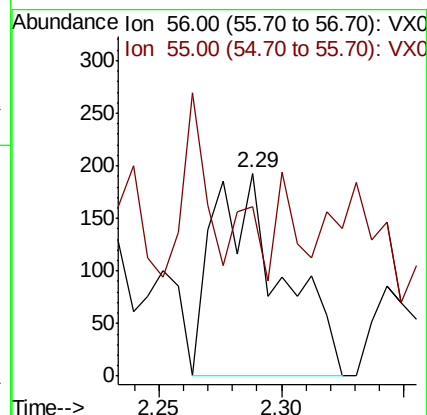
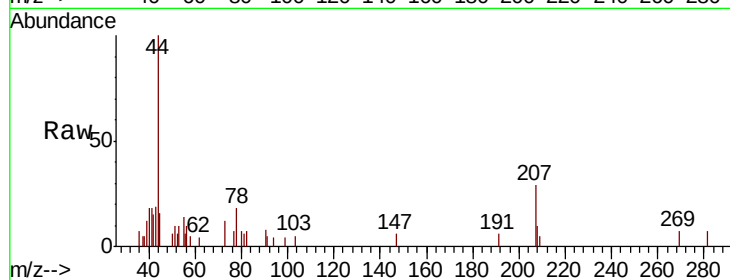
ClientSampleId :

Tot Ion: 56 Resp: 378

Ion Ratio Lower Upper

56 100

55 0.0 58.3 87.5#



#16

Acetone

Concen: 0.988 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016583.D

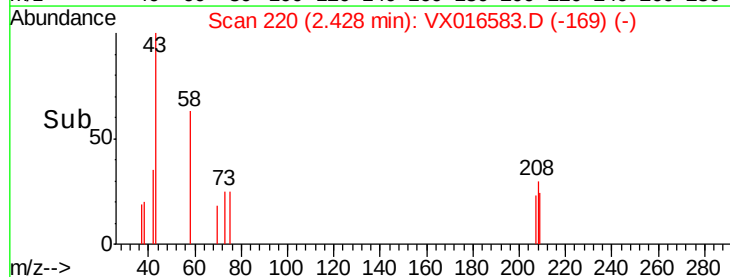
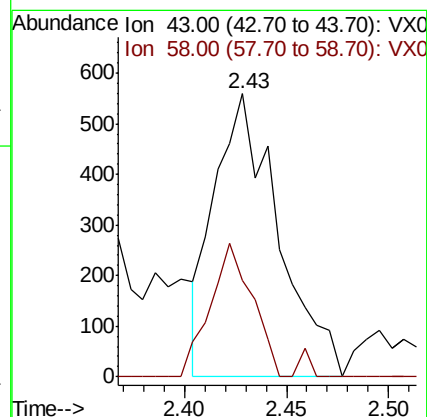
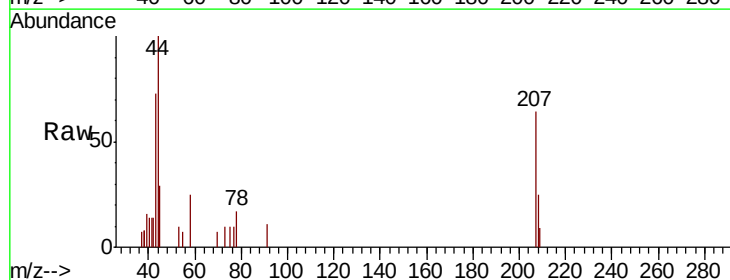
Acq: 04 Jun 2020 15:59

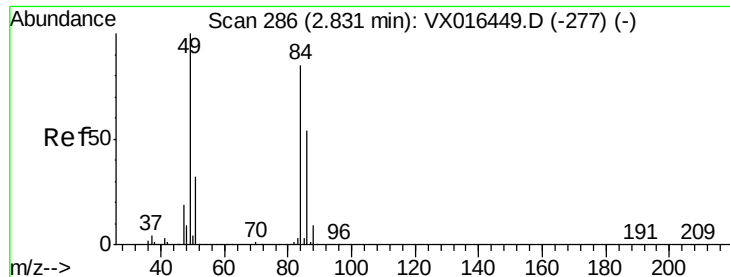
Tgt Ion: 43 Resp: 1215

Ion Ratio Lower Upper

43 100

58 34.0 26.1 39.1

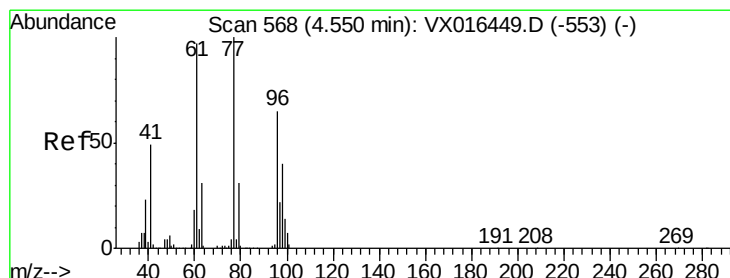
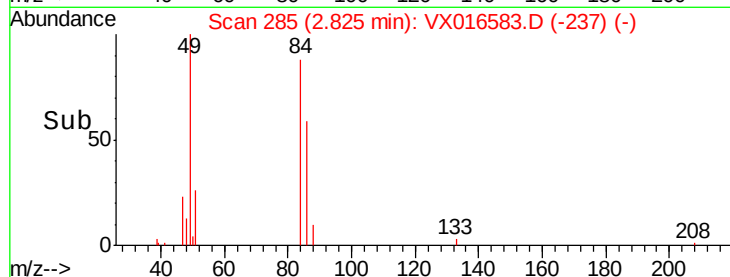
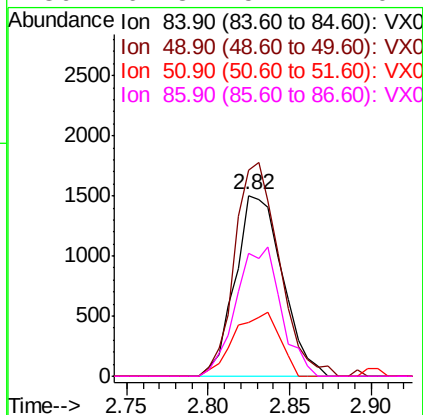
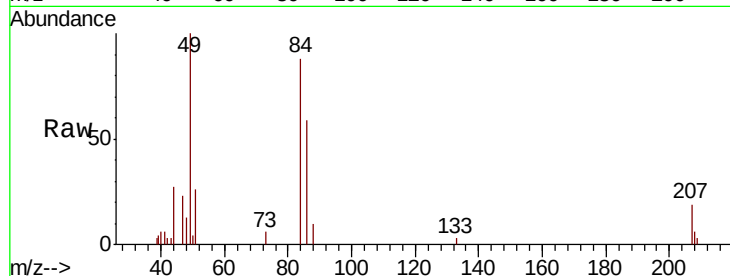




#20
Methylene Chloride
Concen: 1.191 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX016583.D
Acq: 04 Jun 2020 15:59

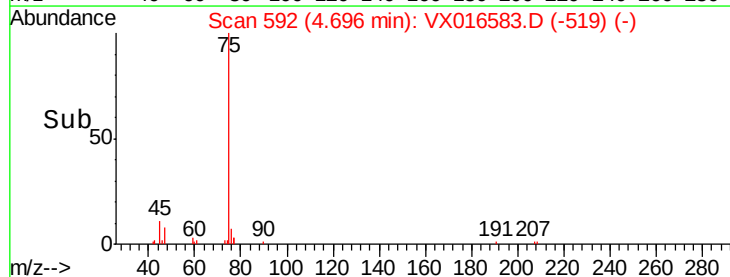
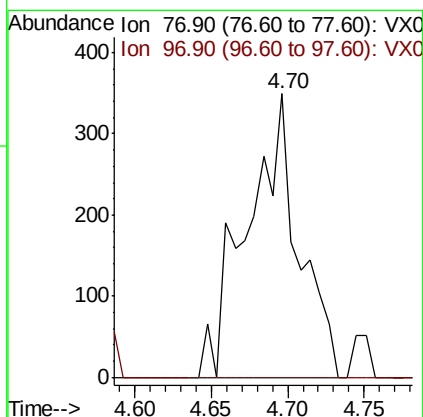
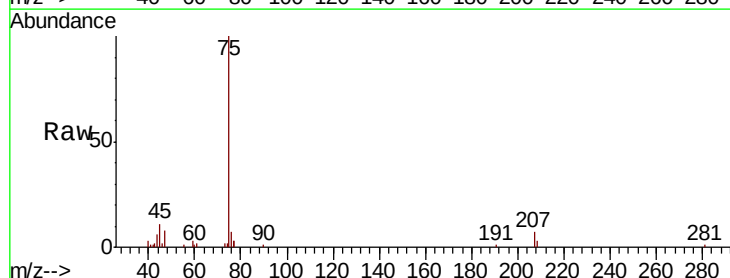
Instrument :
MSVOA_X
ClientSampled :

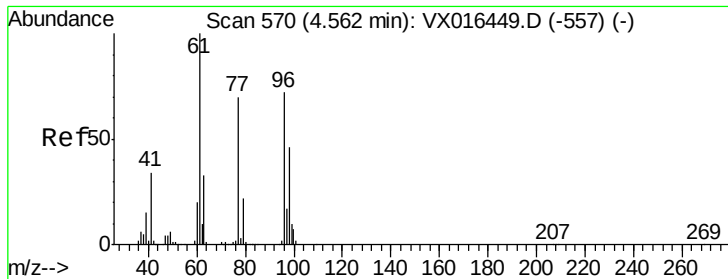
Tot Ion: 84 Resp: 3030
Ion Ratio Lower Upper
84 100
49 113.9 94.5 141.7
51 29.6 30.2 45.4#
86 67.8 51.1 76.7



#26
2,2-Dichloropropane
Concen: 0.231 ug/l
RT: 4.70 min Scan# 592
Delta R.T. 0.15 min
Lab File: VX016583.D
Acq: 04 Jun 2020 15:59

Tgt Ion: 77 Resp: 820
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.4#



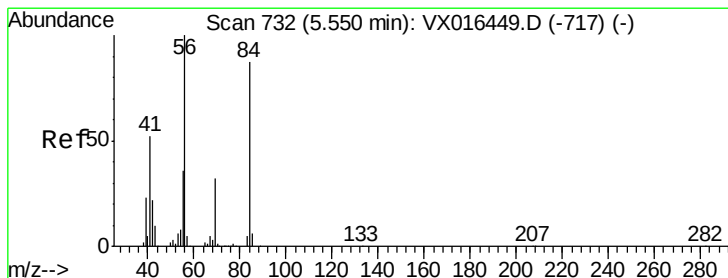
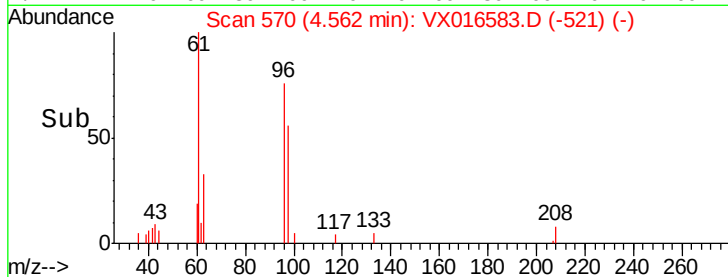
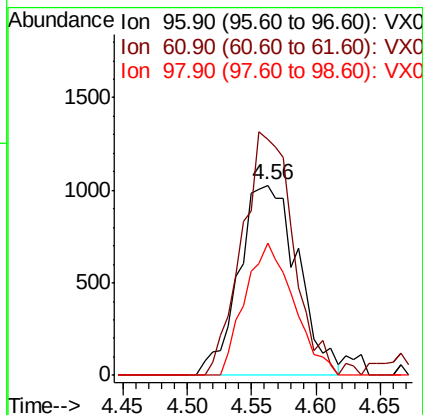
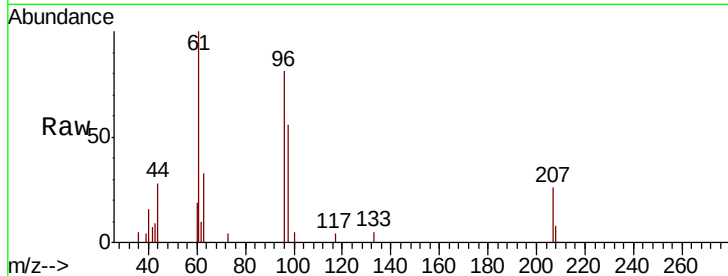


#27

cis-1,2-Dichloroethene
 Concen: 1.172 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX016583.D
 Acq: 04 Jun 2020 15:59

Instrument :
 MSVOA_X
 ClientSampleId :

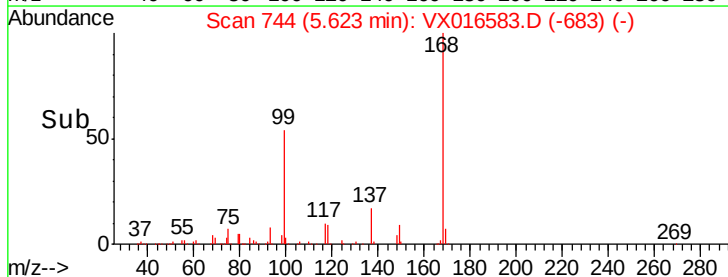
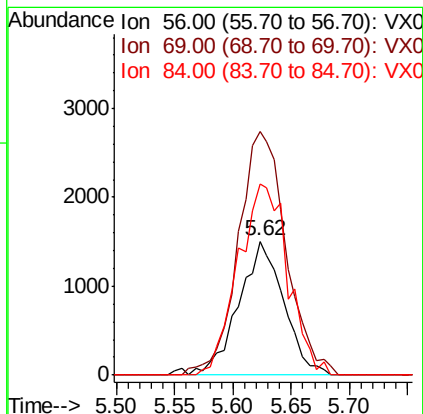
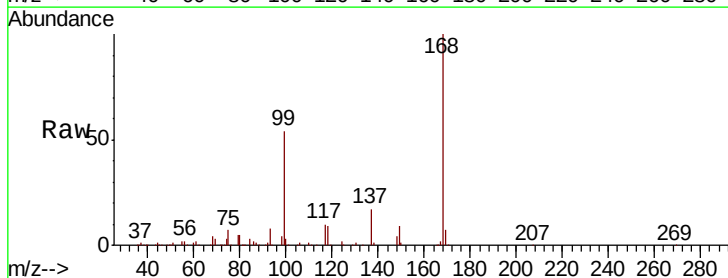
Tot Ion	96	Resp:	3263
Ion	Ratio	Lower	Upper
96	100		
61	110.7	0.0	284.6
98	57.5	0.0	127.2

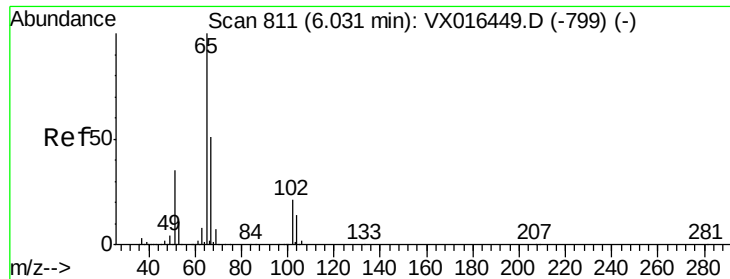


#31

Cyclohexane
 Concen: 1.041 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX016583.D
 Acq: 04 Jun 2020 15:59

Tgt Ion	56	Resp:	4060
Ion	Ratio	Lower	Upper
56	100		
69	181.8	25.7	38.5#
84	142.4	70.0	105.0#

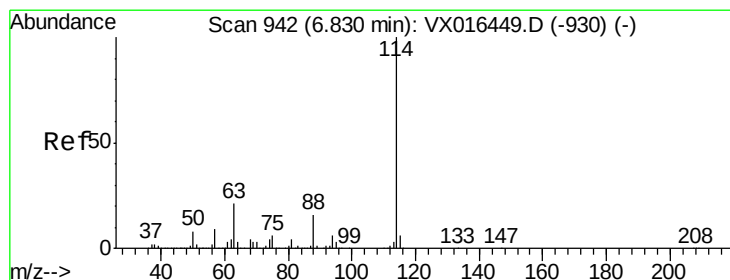
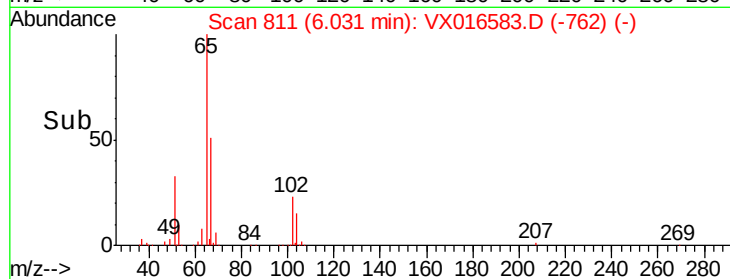
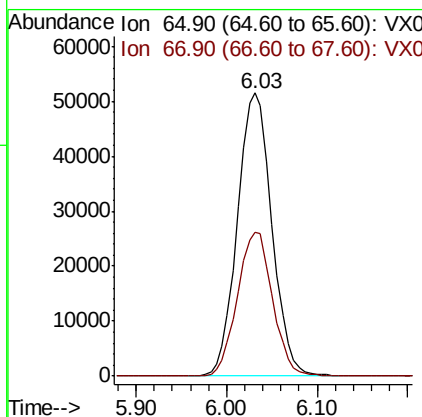
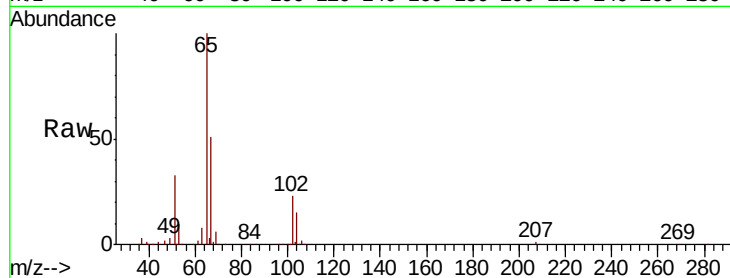




#33
 1,2-Dichloroethane-d4
 Concen: 48.306 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016583.D
 Acq: 04 Jun 2020 15:59

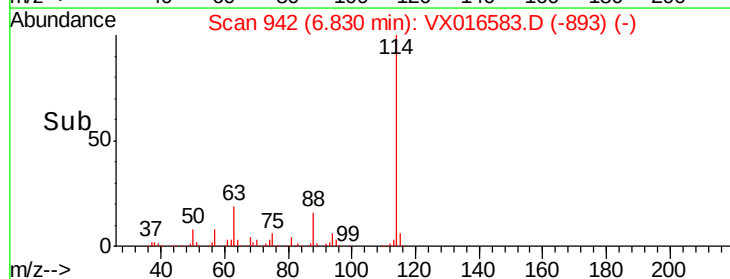
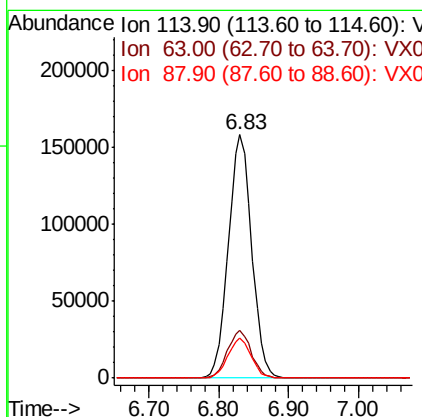
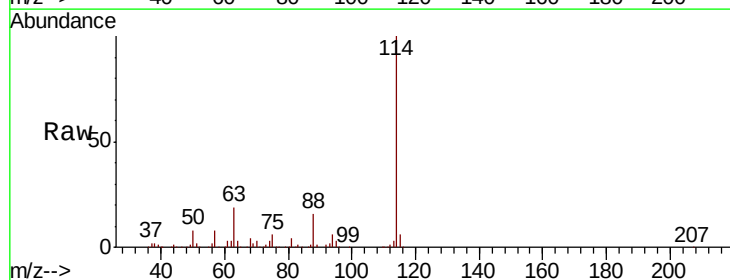
Instrument :
 MSVOA_X
 ClientSampled :

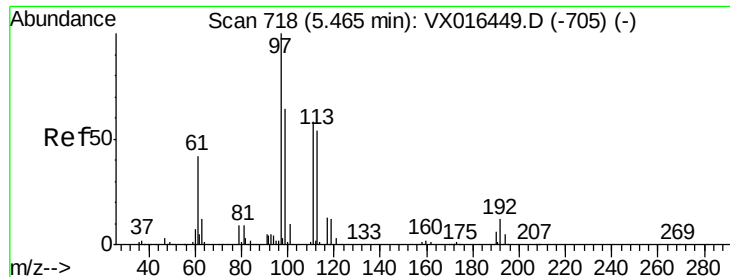
Tot Ion: 65 Resp: 135604
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016583.D
 Acq: 04 Jun 2020 15:59

Tgt Ion: 114 Resp: 366323
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.6
 88 16.2 0.0 32.8

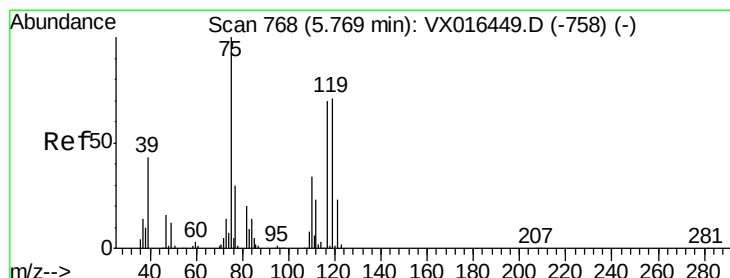
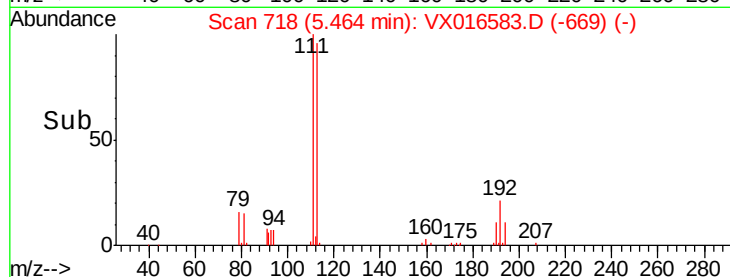
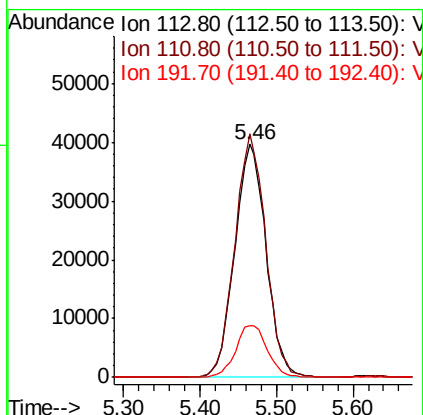
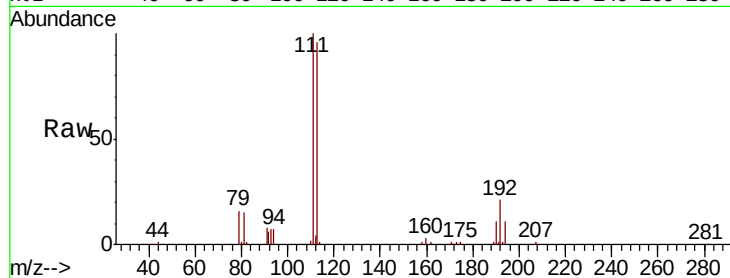




#35
 Dibromofluoromethane
 Concen: 49.992 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016583.D
 Acq: 04 Jun 2020 15:59

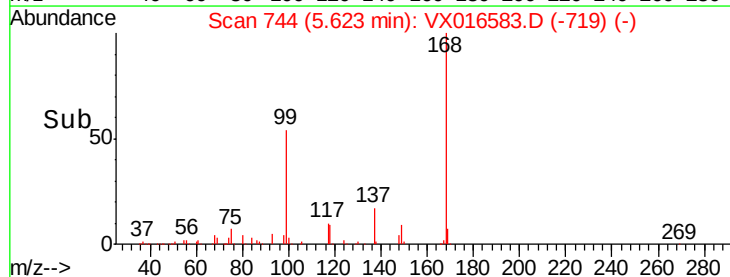
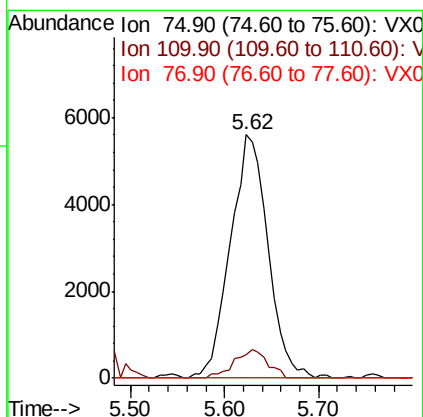
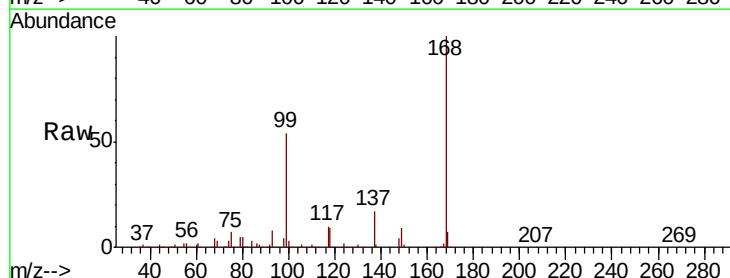
Instrument :
 MSVOA_X
 ClientSampled :

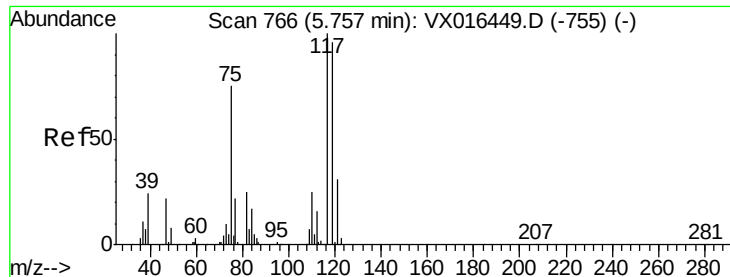
Tot Ion:113 Resp: 112762
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.0 124.6
 192 22.4 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.503 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016583.D
 Acq: 04 Jun 2020 15:59

Tgt Ion: 75 Resp: 15617
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.4 52.3#
 77 0.0 24.2 36.4#

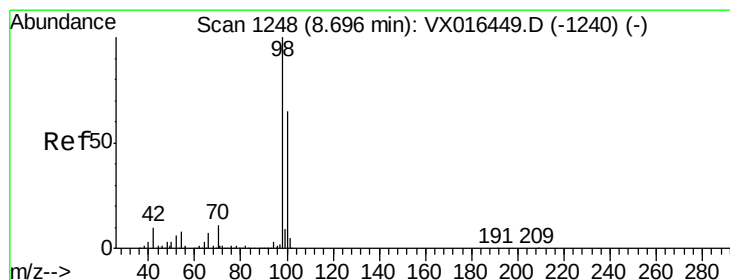
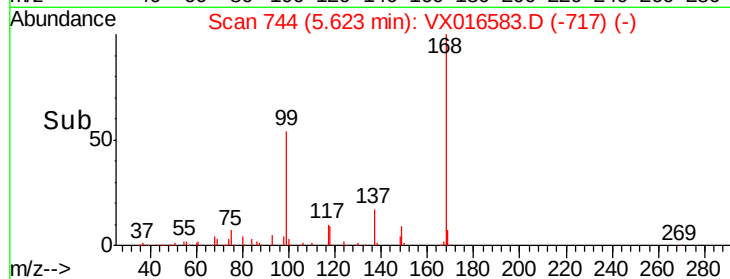
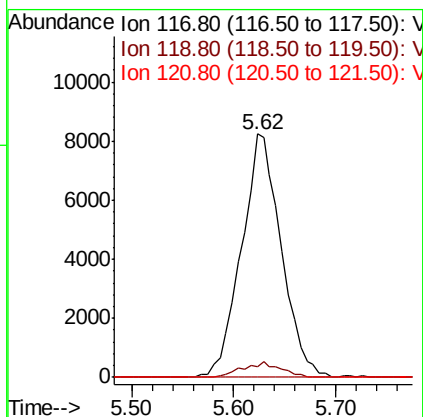
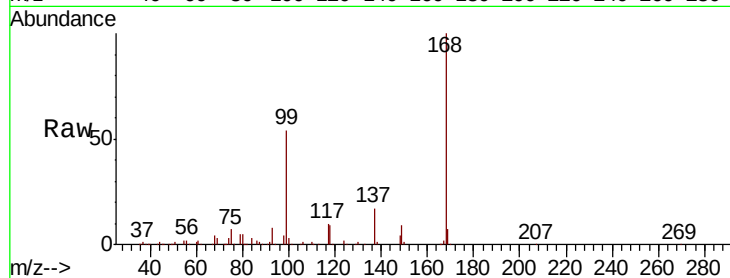




#38
Carbon Tetrachloride
Concen: 6.100 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX016583.D
Acq: 04 Jun 2020 15:59

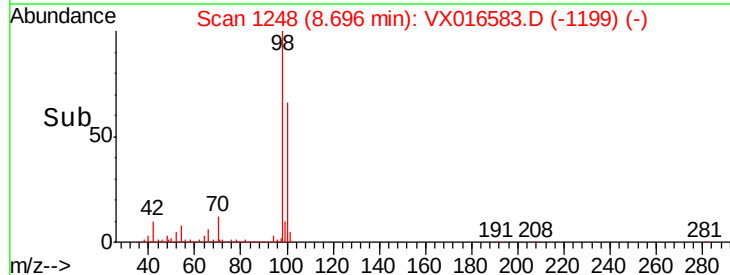
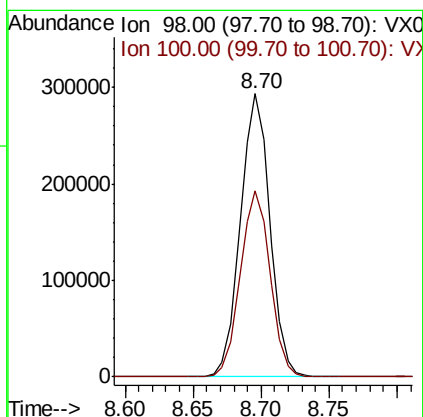
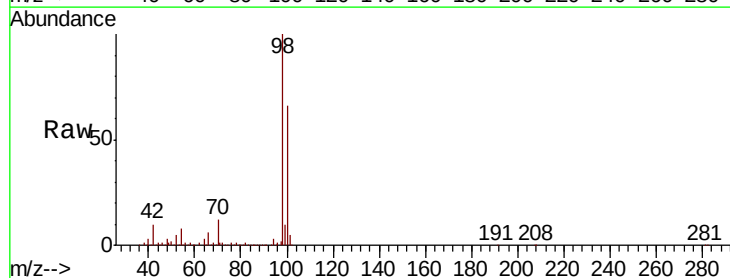
Instrument :
MSVOA_X
ClientSampleId :

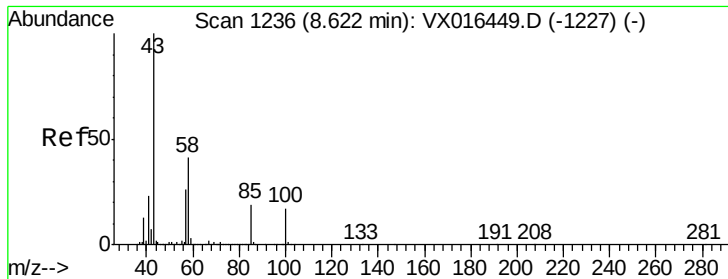
Tot Ion:117 Resp: 22233
Ion Ratio Lower Upper
117 100
119 4.6 76.3 114.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 50.549 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016583.D
Acq: 04 Jun 2020 15:59

Tgt Ion: 98 Resp: 443789
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.6

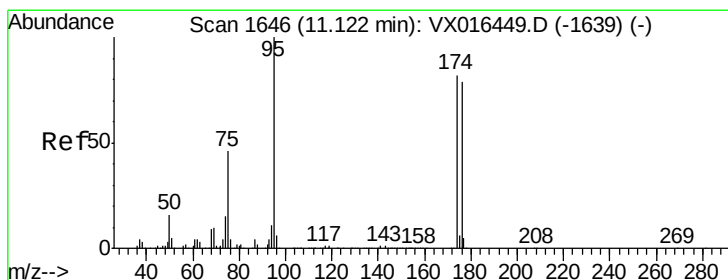
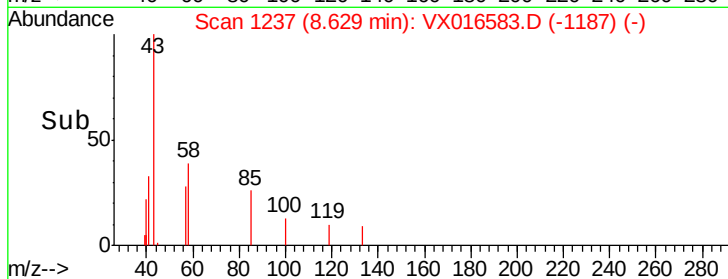
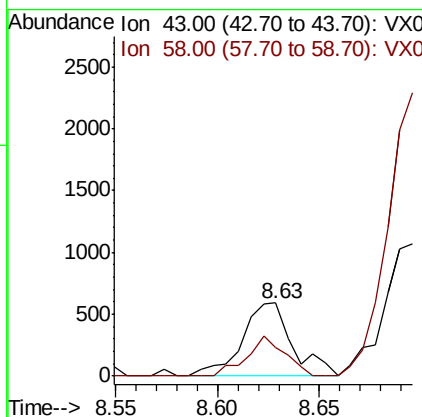
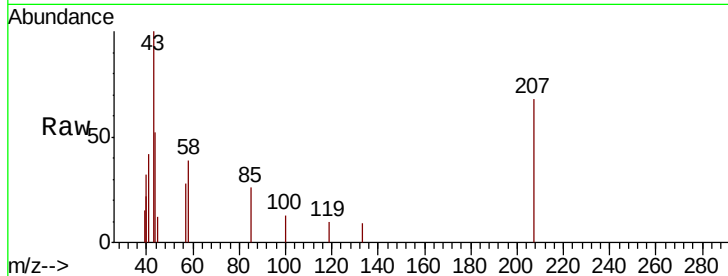




#51
 4-Methyl-2-Pentanone
 Concen: 0.250 ug/l
 RT: 8.63 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: VX016583.D
 Acq: 04 Jun 2020 15:59

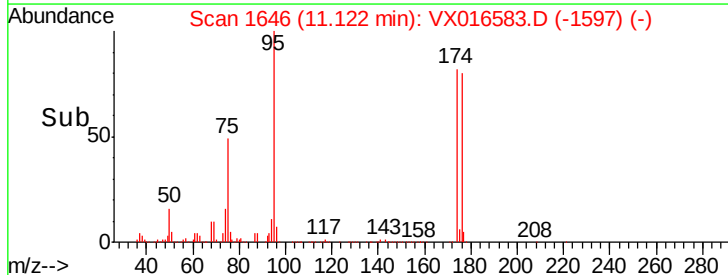
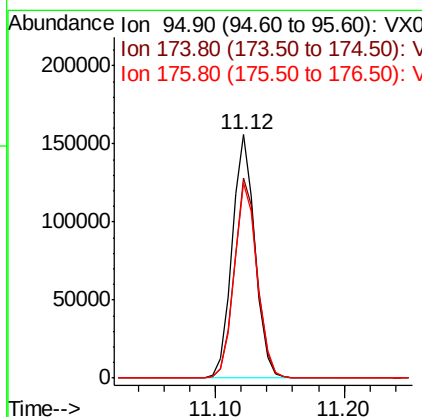
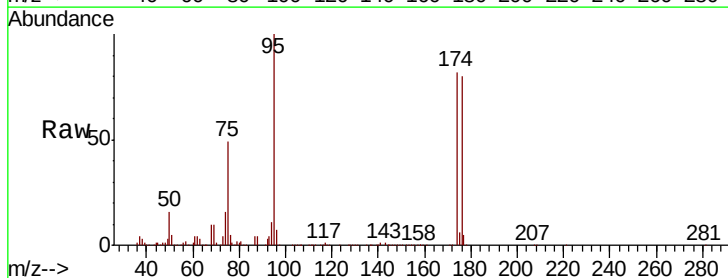
Instrument :
 MSVOA_X
 ClientSampled :

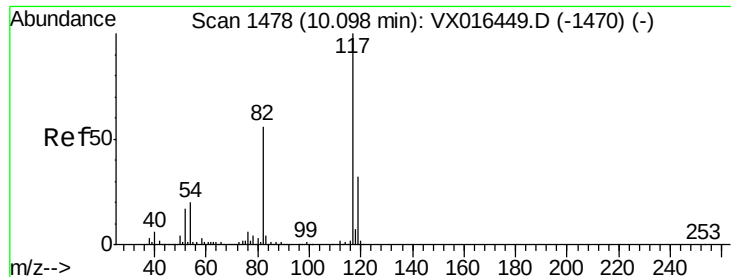
Tot Ion: 43 Resp: 1011
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.0 49.6



#62
 4-Bromofluorobenzene
 Concen: 56.697 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016583.D
 Acq: 04 Jun 2020 15:59

Tgt Ion: 95 Resp: 192333
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 163.0
 176 80.8 0.0 156.8

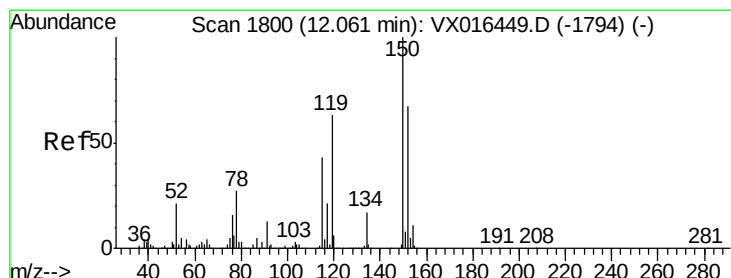
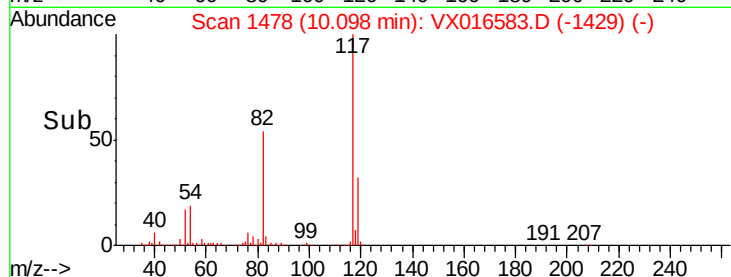
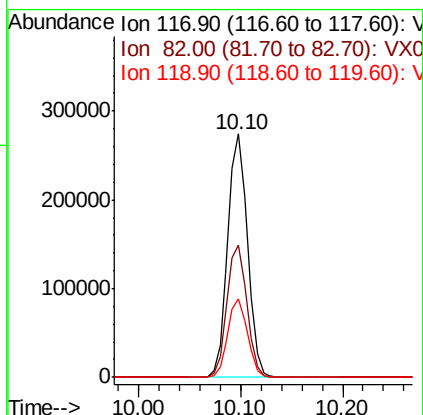
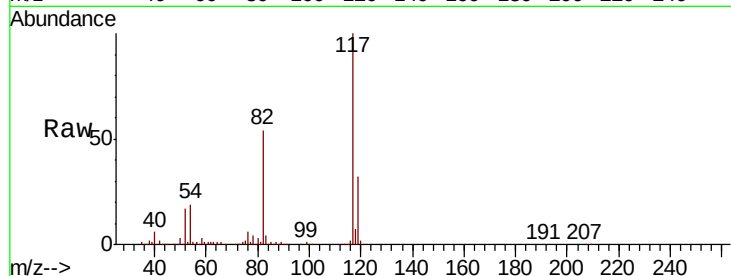




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016583.D
Acq: 04 Jun 2020 15:59

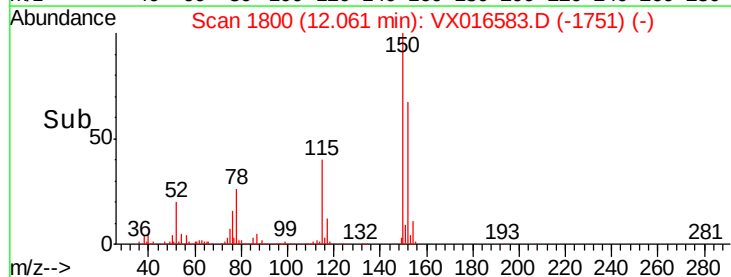
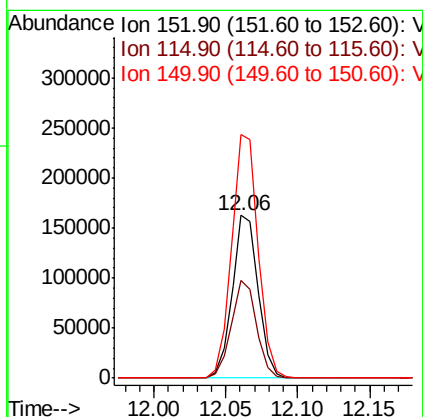
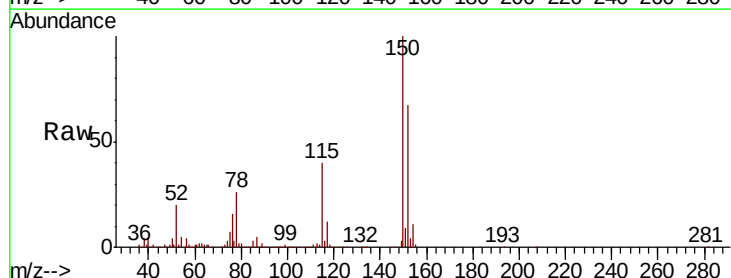
Instrument :
MSVOA_X
ClientSampleId :

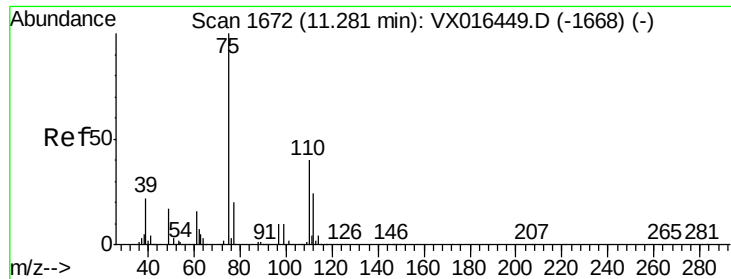
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.0	67.6
119	32.4	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016583.D
Acq: 04 Jun 2020 15:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	39.9	119.6
150	153.8	0.0	341.0





#76

1,2,3-Trichloropropane

Concen: 20.891 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016583.D

Acq: 04 Jun 2020 15:59

Instrument :

MSVOA_X

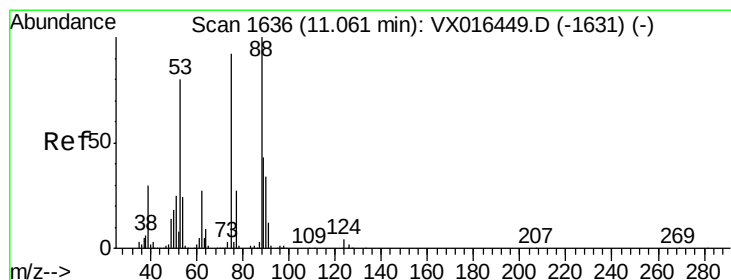
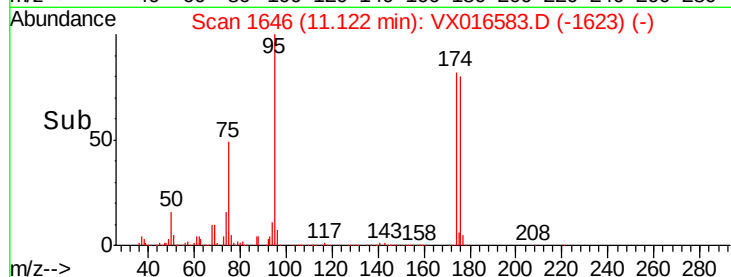
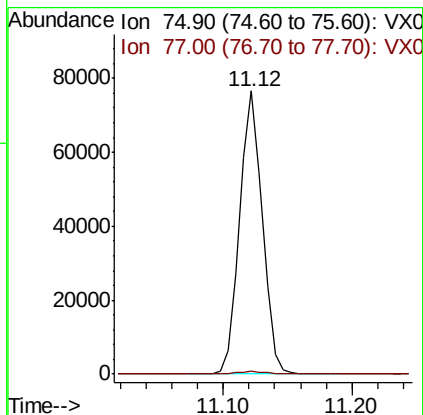
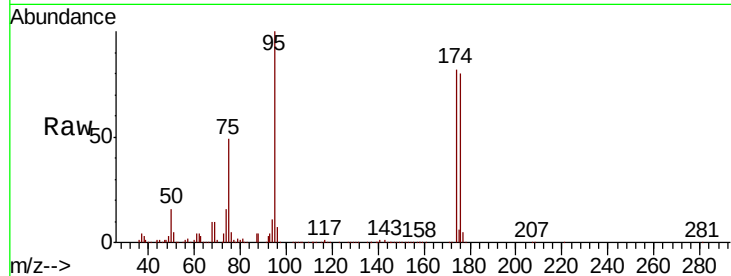
ClientSampleId :

Tot Ion: 75 Resp: 93595

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.389 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016583.D

Acq: 04 Jun 2020 15:59

Tgt Ion: 75 Resp: 93595

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

