

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052220\
 Data File : VX016409.D
 Acq On : 22 May 2020 14:06
 Operator : JC/SP
 Sample : L2506-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:36:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	222370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	365625	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	368376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	184061	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	128695	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	
35) Dibromofluoromethane	5.47	113	106258	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
50) Toluene-d8	8.70	98	456874	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.12	95	183695	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	

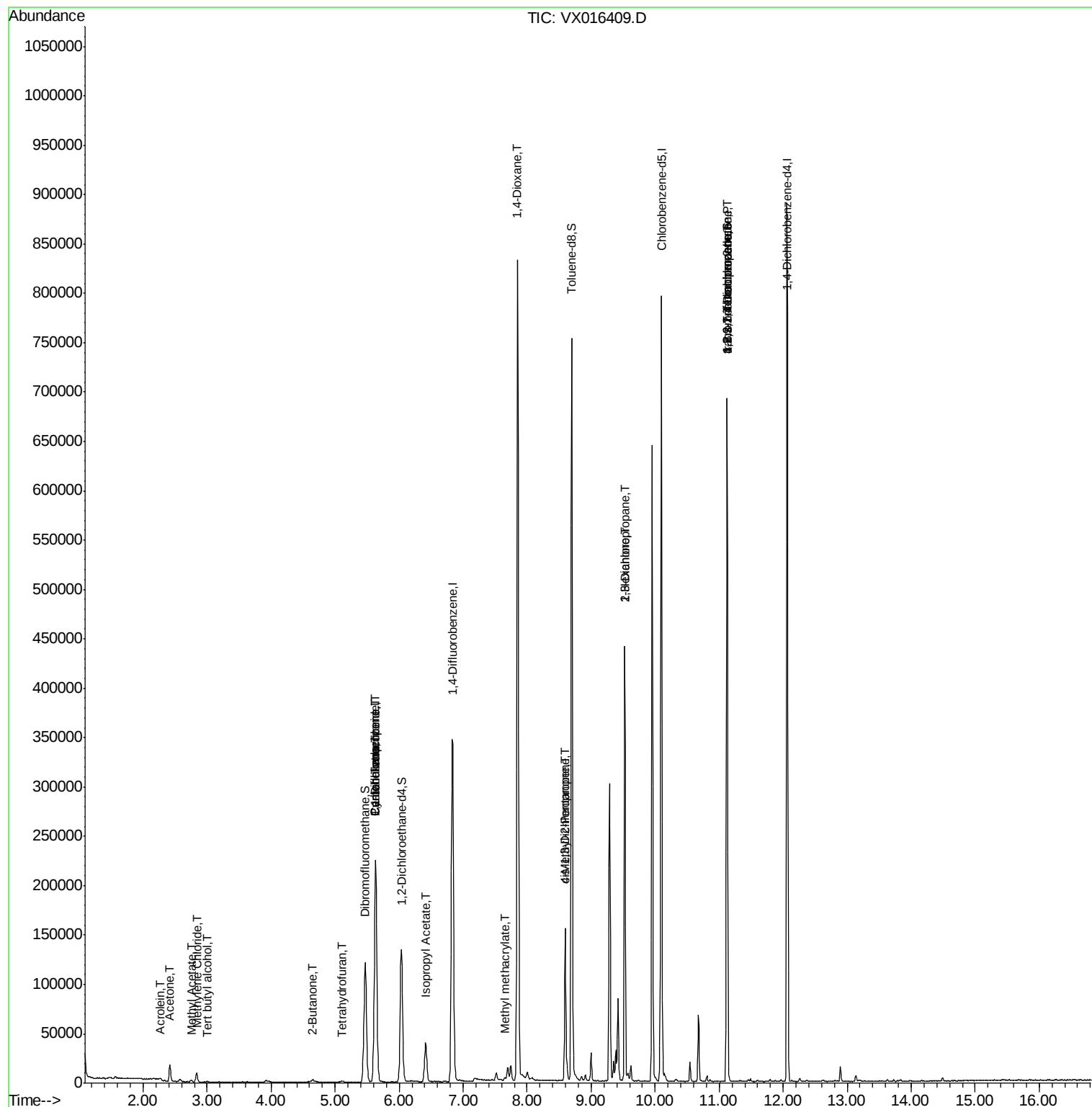
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	380	0.514	ug/l #	72
13) Acrolein	2.28	56	189	0.408	ug/l #	1
16) Acetone	2.42	43	16822	12.884	ug/l	93
17) Carbon Disulfide	2.55	76	669	Below Cal	#	68
18) Methyl Acetate	2.75	43	2455	0.765	ug/l	100
20) Methylene Chloride	2.84	84	4437	1.649	ug/l	88
25) 2-Butanone	4.65	43	2310	1.098	ug/l #	81
29) Tetrahydrofuran	5.10	42	821	0.589	ug/l #	53
31) Cyclohexane	5.64	56	3850	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15791	4.388	ug/l #	49
38) Carbon Tetrachloride	5.64	117	20755	5.674	ug/l #	14
43) Isopropyl Acetate	6.42	43	53317	8.011	ug/l	97
48) Methyl methacrylate	7.65	41	3489	1.106	ug/l #	14
49) 1,4-Dioxane	7.84	88	141	1.864	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	51590	12.667	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	27660	6.022	ug/l #	55
57) 1,3-Dichloropropane	9.52	76	3757	0.834	ug/l #	44
59) 2-Hexanone	9.52	43	44936	14.049	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.13	83	105	2.091	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	86492	20.708	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	86492	49.348	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 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: VX016409.D

Acq: 22 May 2020 14:06

Instrument :

MSVOA_X

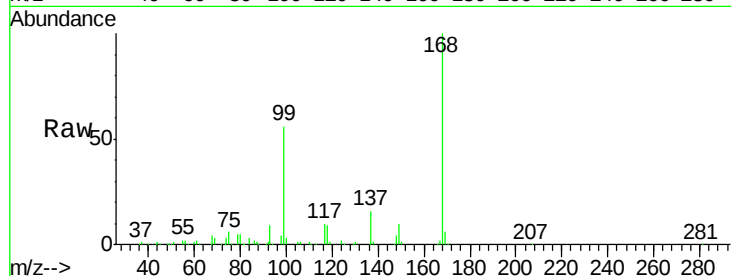
ClientSampled :

Tot Ion:168 Resp: 222370

Ion Ratio Lower Upper

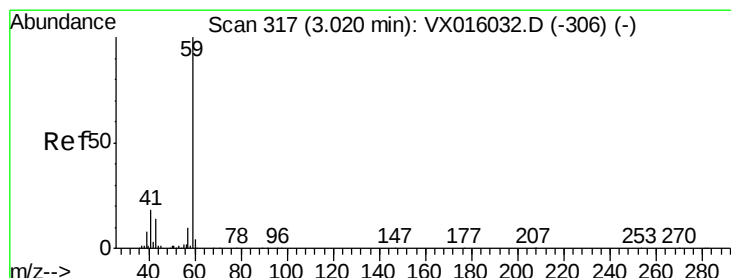
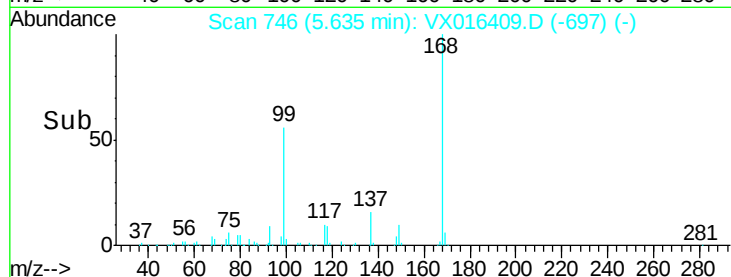
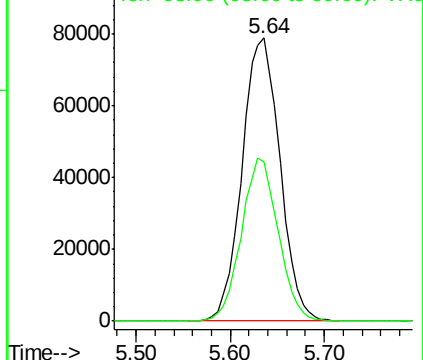
168 100

99 56.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.514 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016409.D

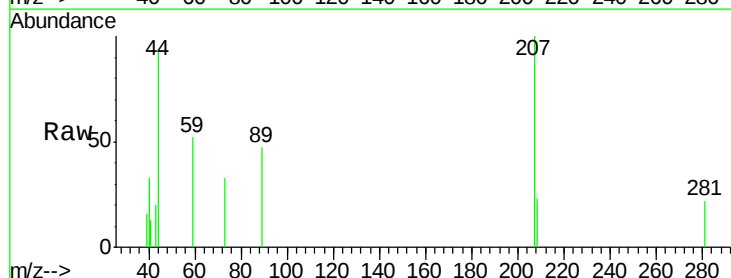
Acq: 22 May 2020 14:06

Tgt Ion: 59 Resp: 380

Ion Ratio Lower Upper

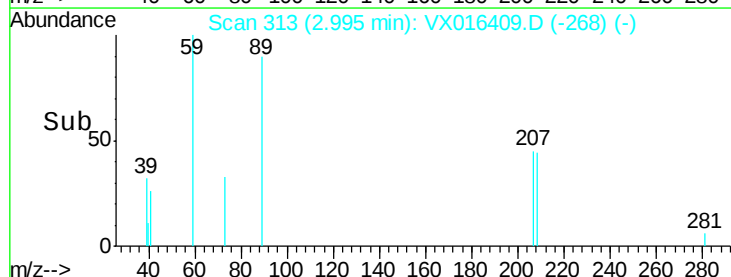
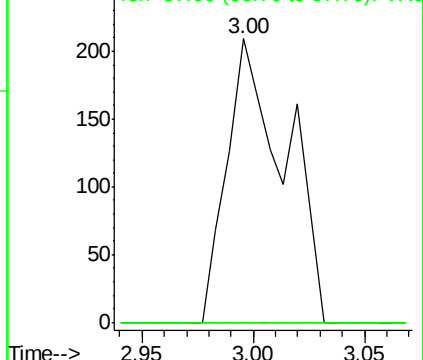
59 100

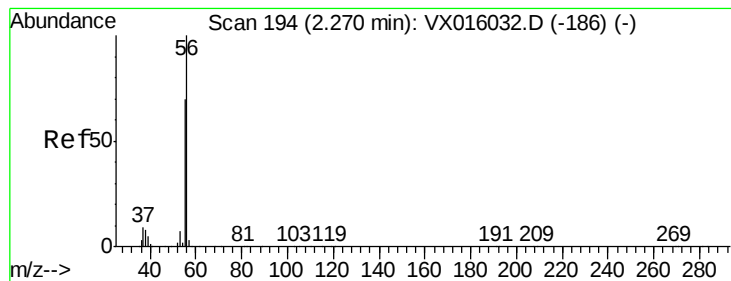
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.408 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

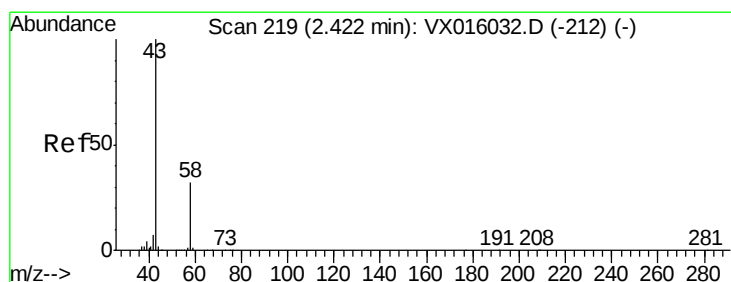
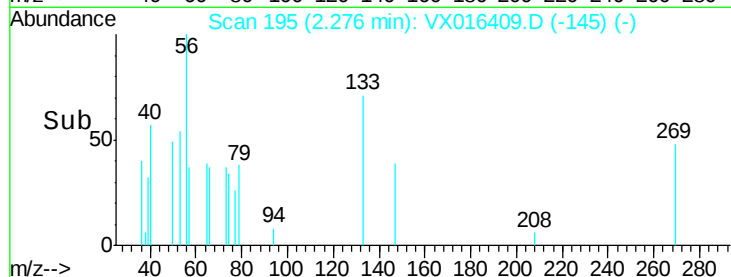
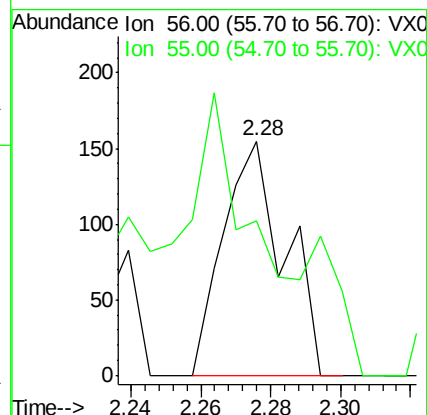
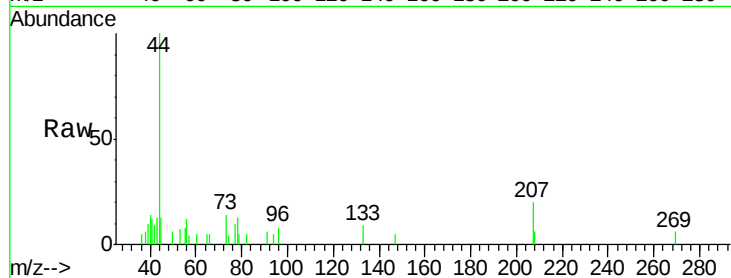
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 189

Ion Ratio Lower Upper

56 100

55 164.6 56.5 84.7#



#16

Acetone

Concen: 12.884 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016409.D

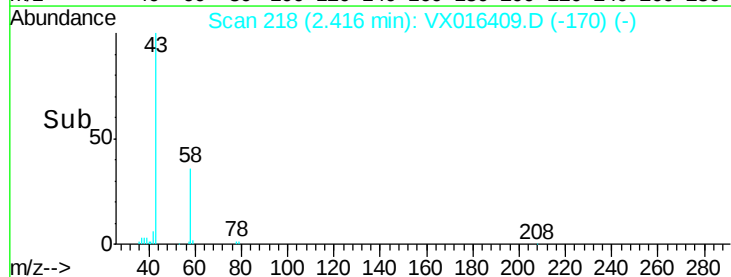
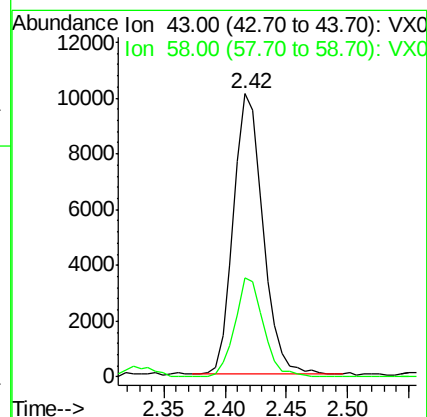
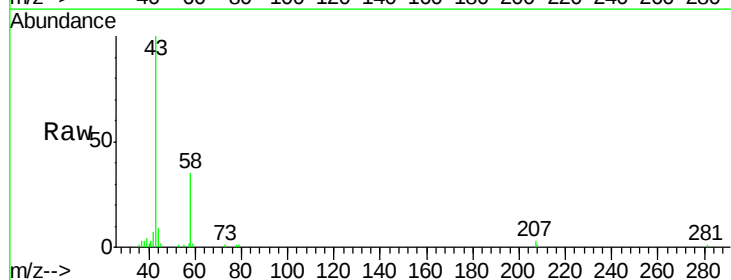
Acq: 22 May 2020 14:06

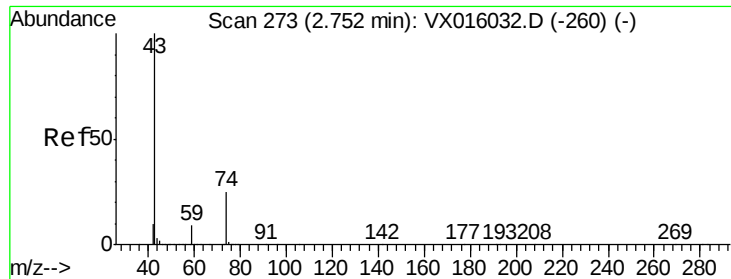
Tgt Ion: 43 Resp: 16822

Ion Ratio Lower Upper

43 100

58 35.3 25.4 38.0

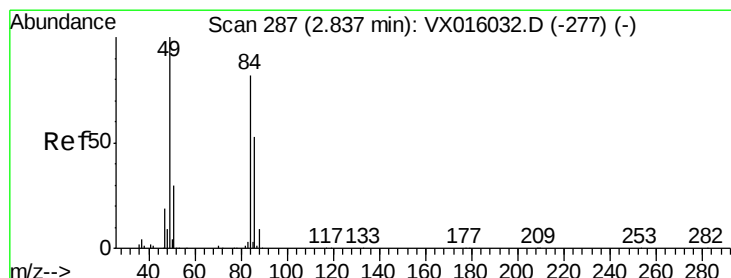
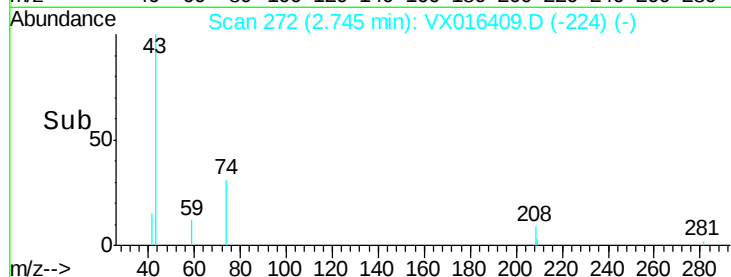
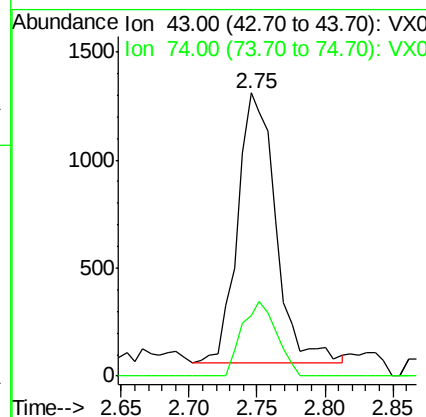
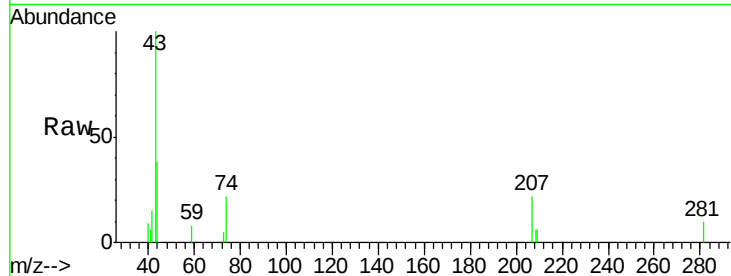




#18
Methvl Acetate
Concen: 0.765 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016409.D
Acq: 22 May 2020 14:06

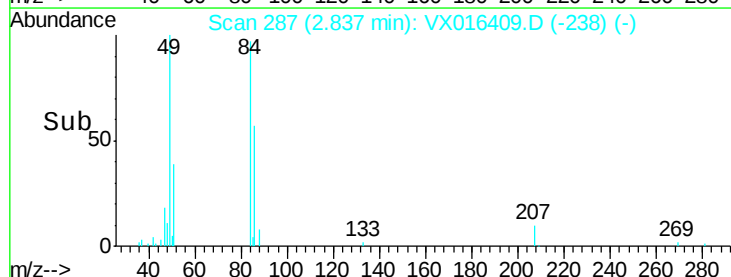
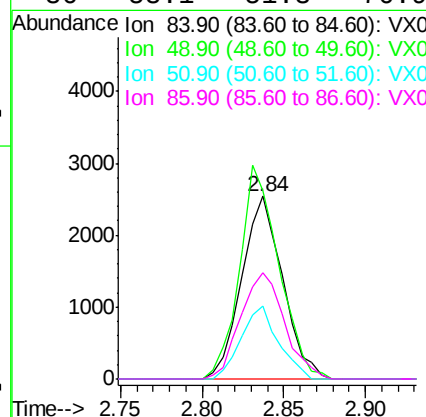
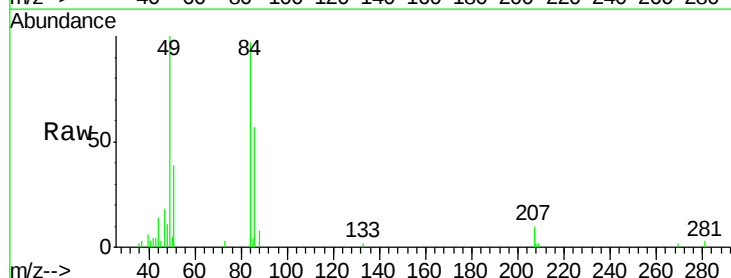
Instrument :
MSVOA_X
ClientSampled :

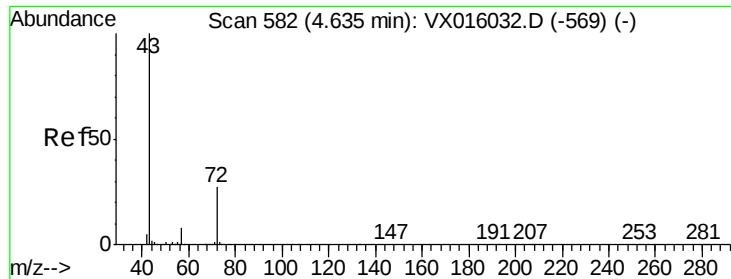
Tot Ion: 43 Resp: 2455
Ion Ratio Lower Upper
43 100
74 25.1 20.2 30.2



#20
Methylene Chloride
Concen: 1.649 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016409.D
Acq: 22 May 2020 14:06

Tgt Ion: 84 Resp: 4437
Ion Ratio Lower Upper
84 100
49 102.7 97.3 145.9
51 39.7 29.3 43.9
86 58.1 51.3 76.9





#25

2-Butanone

Concen: 1.098 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Instrument :

MSVOA_X

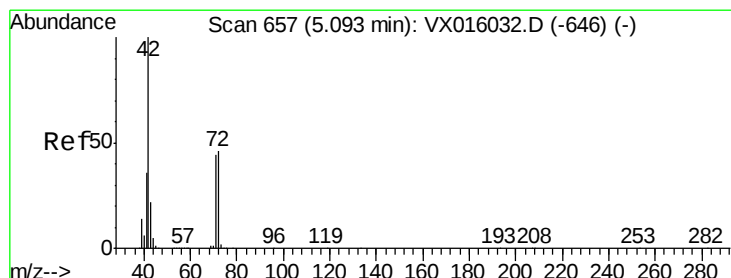
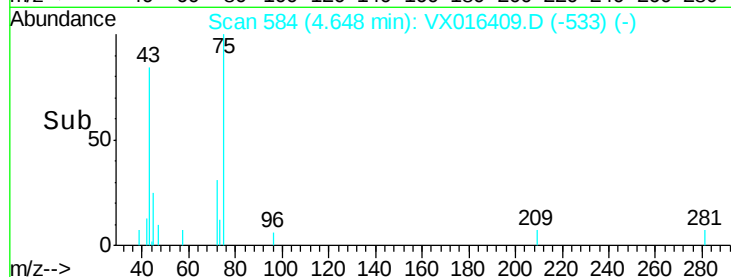
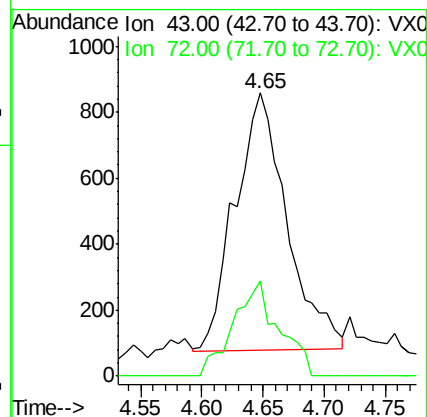
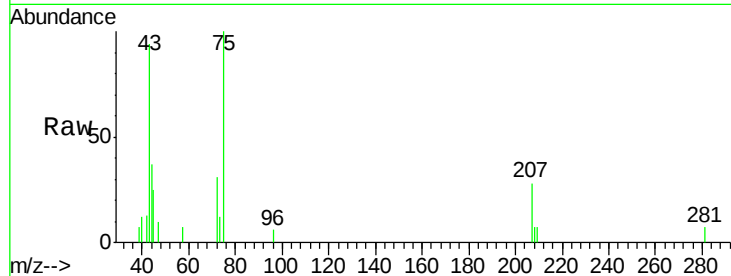
ClientSampleId :

Tot Ion: 43 Resp: 2310

Ion Ratio Lower Upper

43 100

72 37.0 21.8 32.8#



#29

Tetrahydrofuran

Concen: 0.589 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

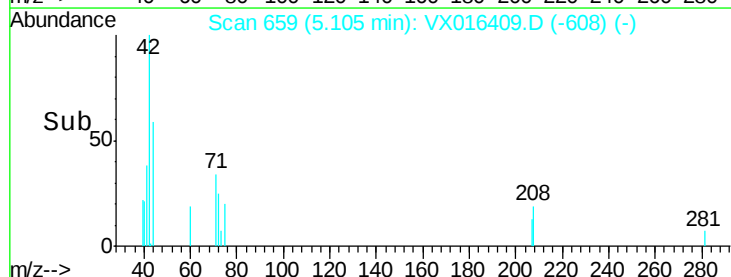
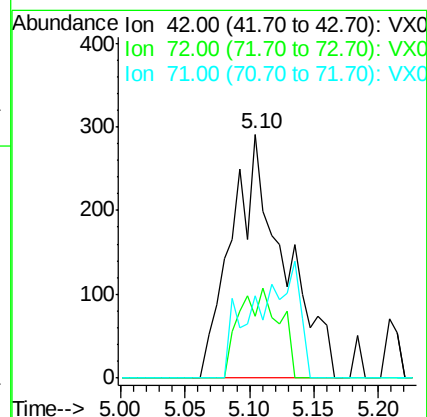
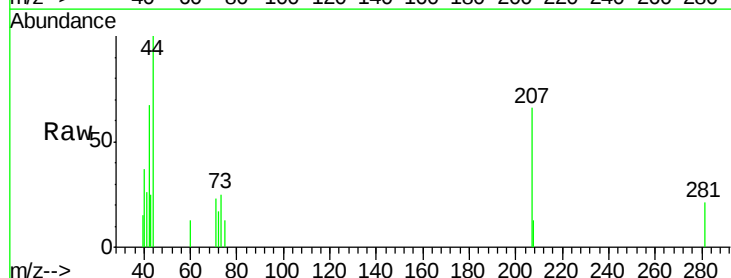
Tgt Ion: 42 Resp: 821

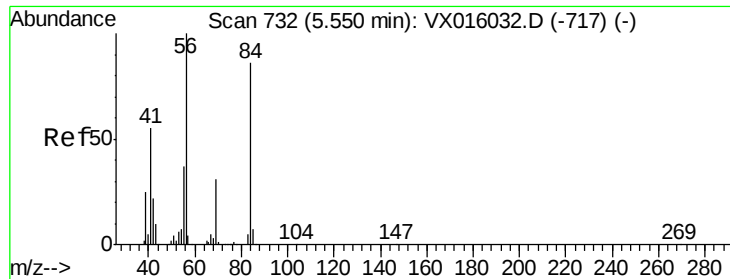
Ion Ratio Lower Upper

42 100

72 28.1 37.1 55.7#

71 0.0 34.5 51.7#

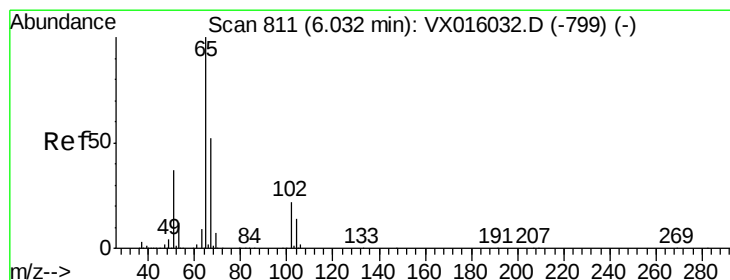
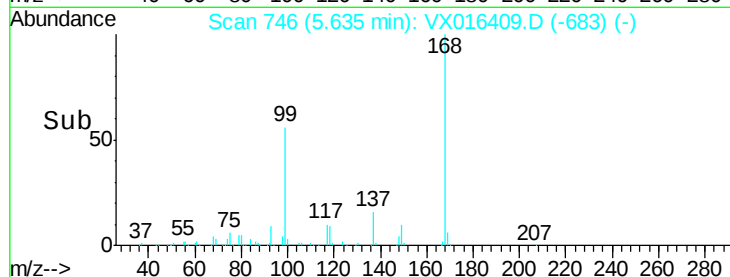
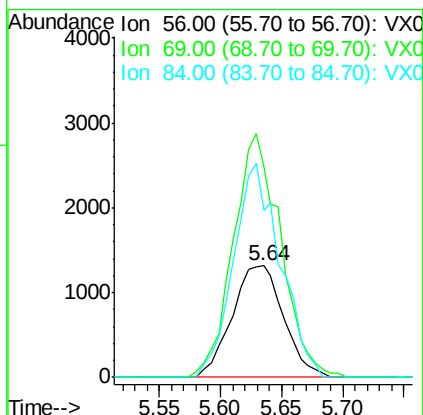
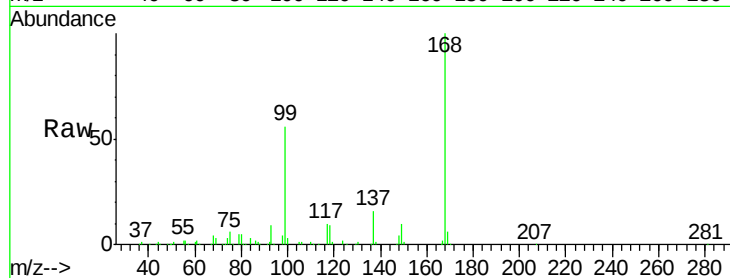




#31
Cyclohexane
Concen: 0.947 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016409.D
Acq: 22 May 2020 14:06

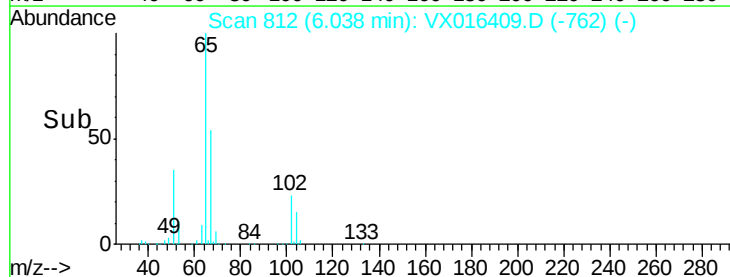
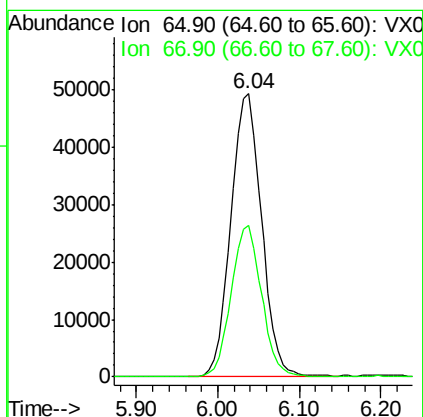
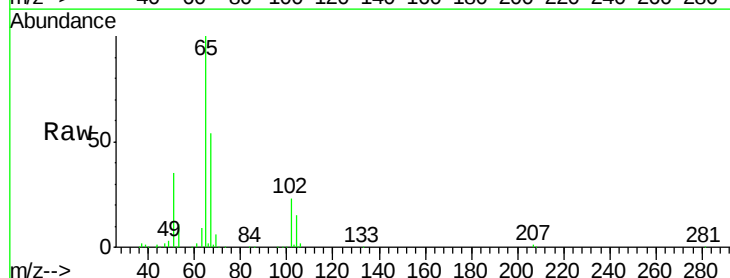
Instrument :
MSVOA_X
ClientSampleId :

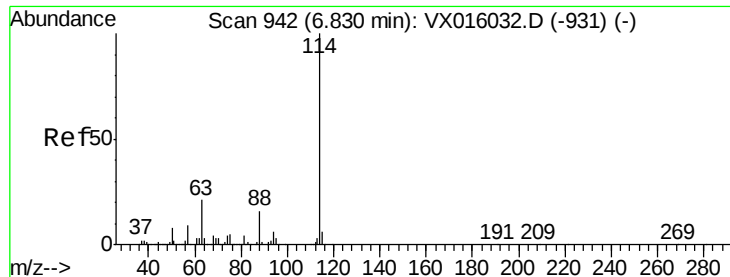
Tot Ion: 56 Resp: 3850
Ion Ratio Lower Upper
56 100
69 188.8 25.0 37.6#
84 150.4 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 43.981 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016409.D
Acq: 22 May 2020 14:06

Tgt Ion: 65 Resp: 128695
Ion Ratio Lower Upper
65 100
67 52.7 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: VX016409.D

Acq: 22 May 2020 14:06

Instrument :

MSVOA_X

ClientSampleId :

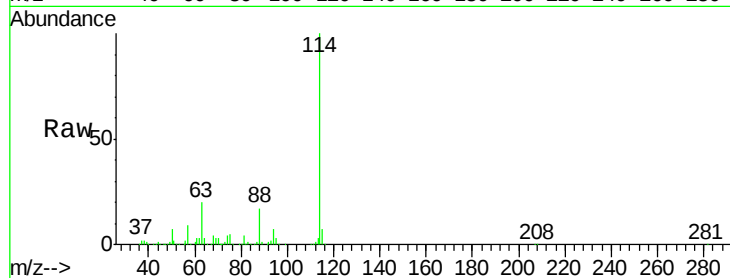
Tot Ion:114 Resp: 365625

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

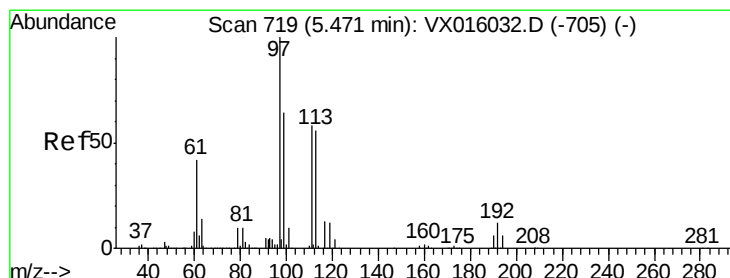
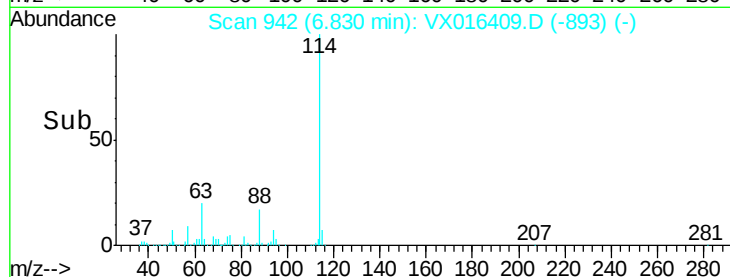
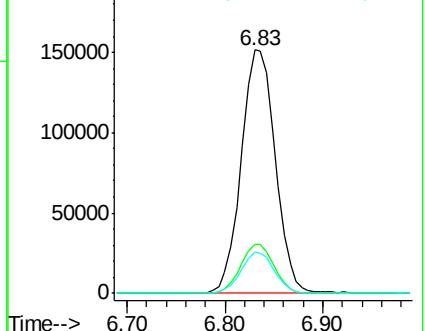
88 17.3 0.0 31.4



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: 45.872 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

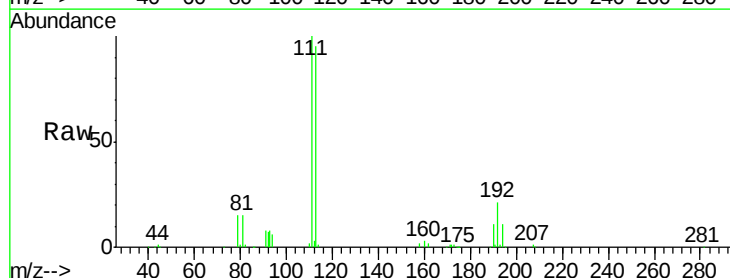
Tgt Ion:113 Resp: 106258

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

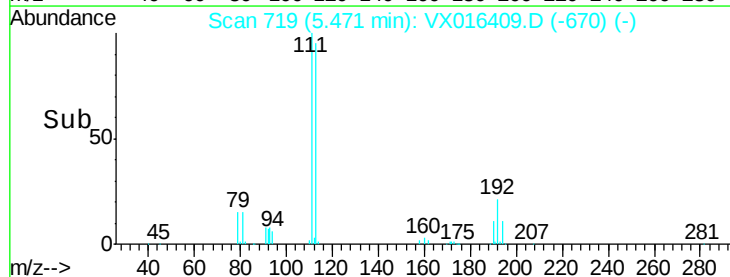
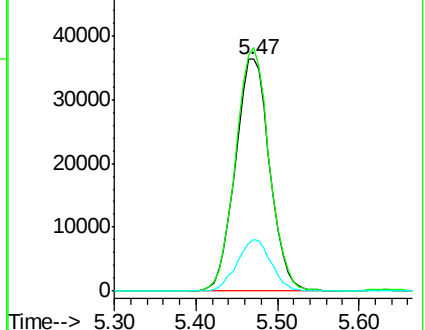
192 22.1 17.0 25.4

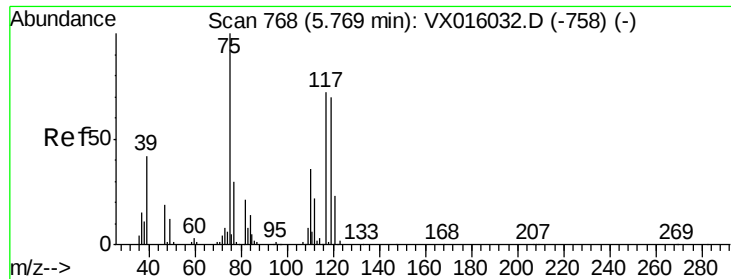


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.388 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Instrument :

MSVOA_X

ClientSampleId :

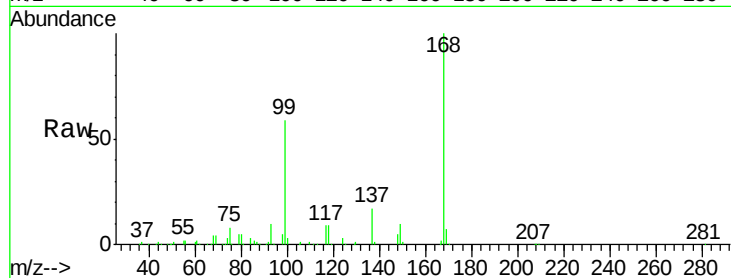
Tot Ion: 75 Resp: 15791

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

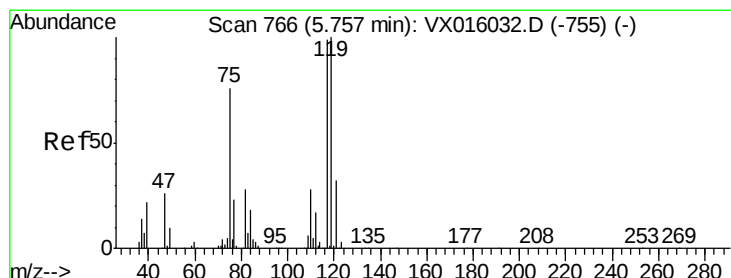
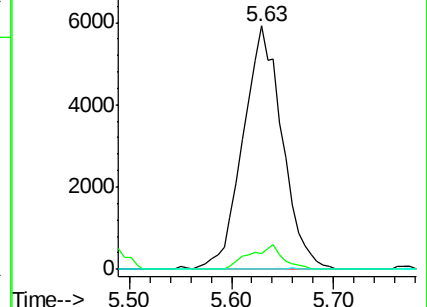
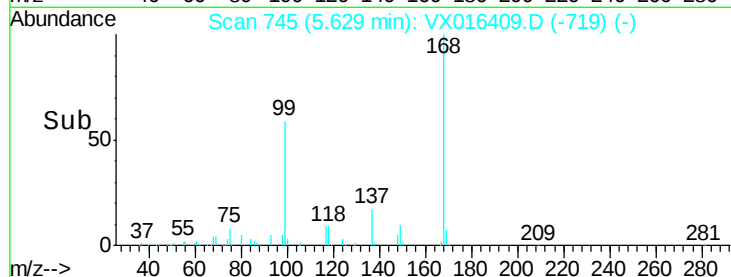
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX016409.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016409.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016409.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.674 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

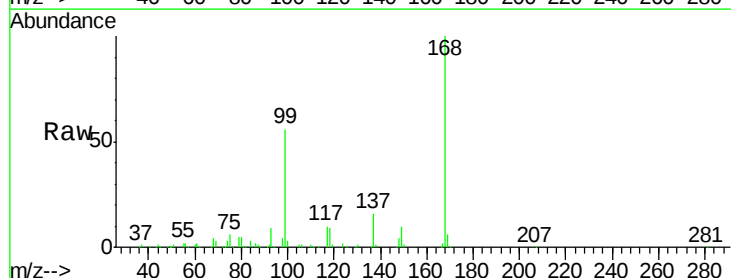
Tgt Ion: 117 Resp: 20755

Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

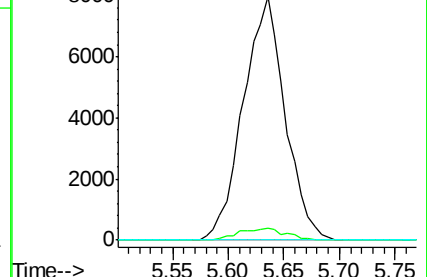
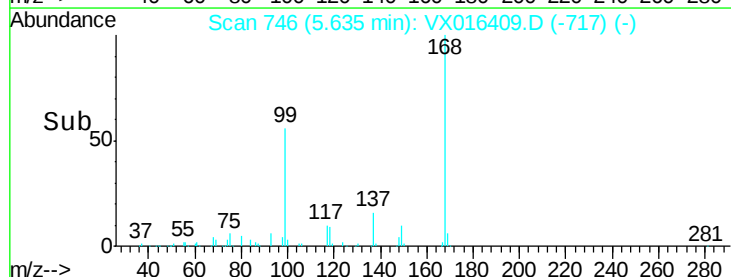
121 0.0 25.7 38.5#

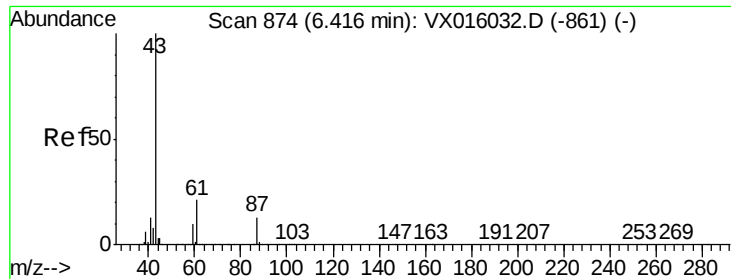


Abundance Ion 116.80 (116.50 to 117.50): VX016409.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016409.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016409.D (-717) (-)





#43

Isopropyl Acetate

Concen: 8.011 ug/l

RT: 6.42 min Scan# 874

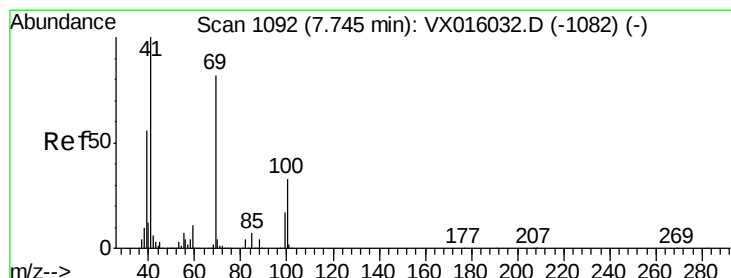
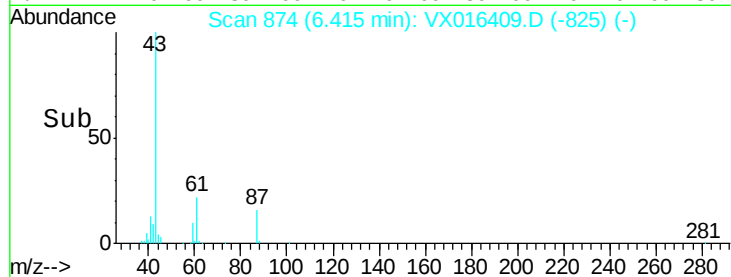
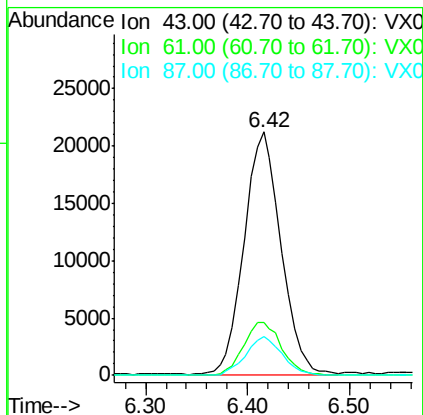
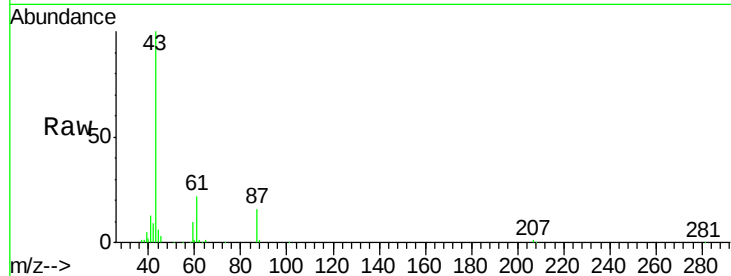
Delta R.T. -0.00 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	43	Resp:	53317
Ion	Ratio	Lower	Upper
43	100		
61	22.3	17.0	25.4
87	15.7	11.0	16.6



#48

Methyl methacrylate

Concen: 1.106 ug/l

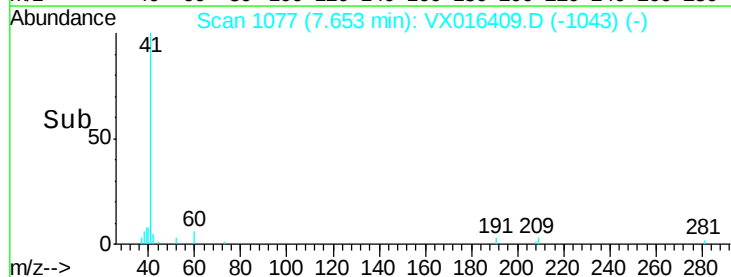
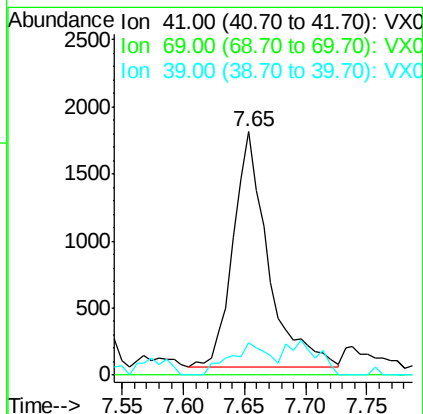
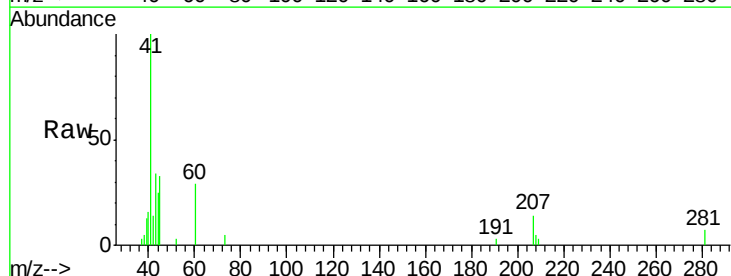
RT: 7.65 min Scan# 1077

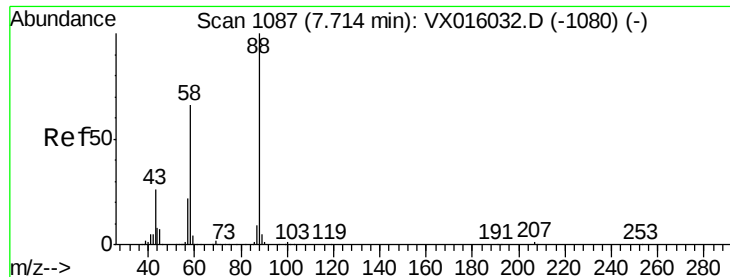
Delta R.T. -0.09 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Tgt Ion:	41	Resp:	3489
Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.8	101.6#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 1.864 ug/l

RT: 7.84 min Scan# 1108

Delta R.T. 0.13 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Instrument :

MSVOA_X

ClientSampleId :

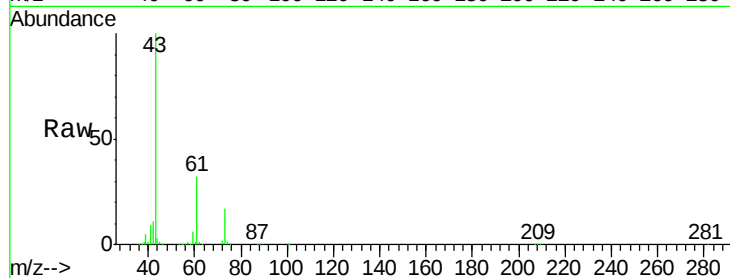
Tot Ion: 88 Resp: 141

Ion Ratio Lower Upper

88 100

43 534446.1 25.3 37.9#

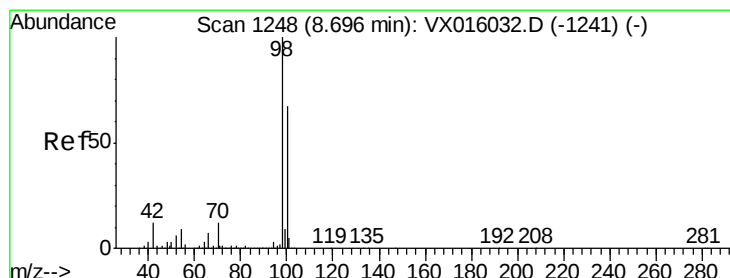
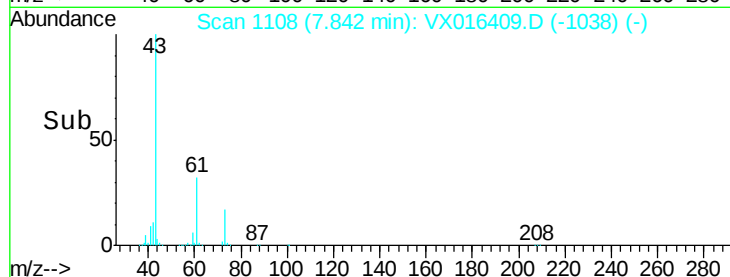
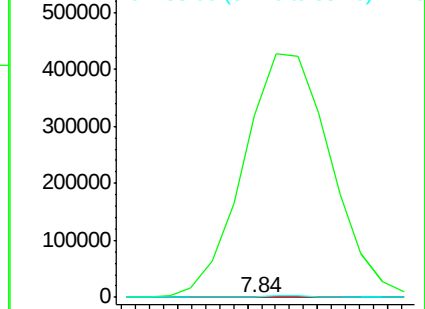
58 2595.0 55.9 83.9#



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: 51.189 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016409.D

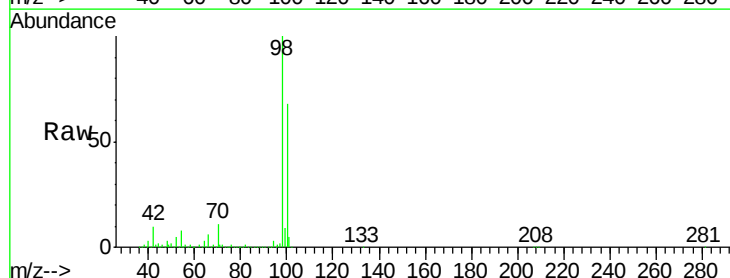
Acq: 22 May 2020 14:06

Tgt Ion: 98 Resp: 456874

Ion Ratio Lower Upper

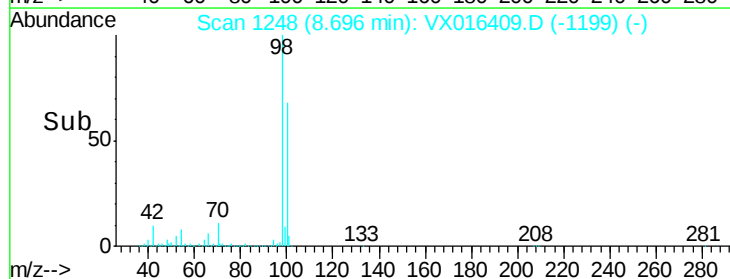
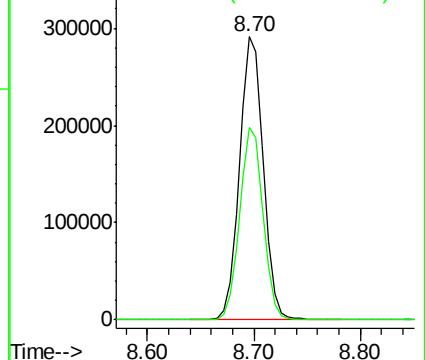
98 100

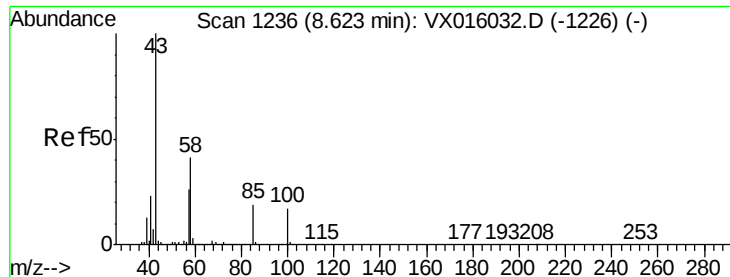
100 67.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 12.667 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

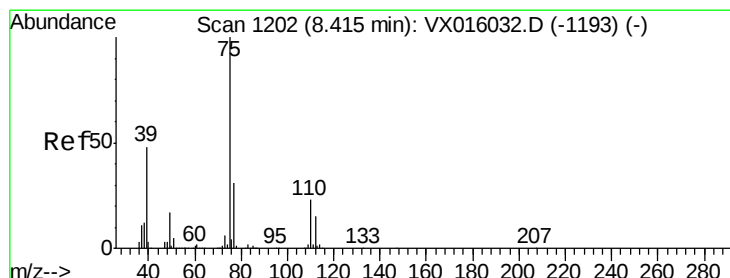
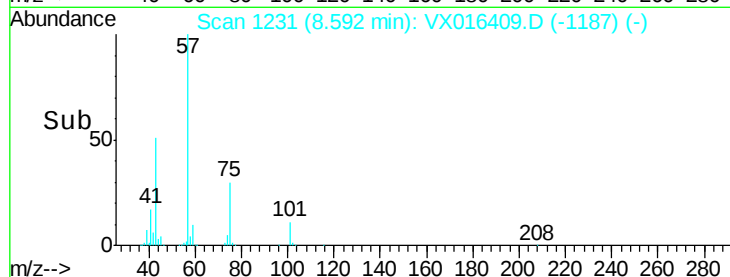
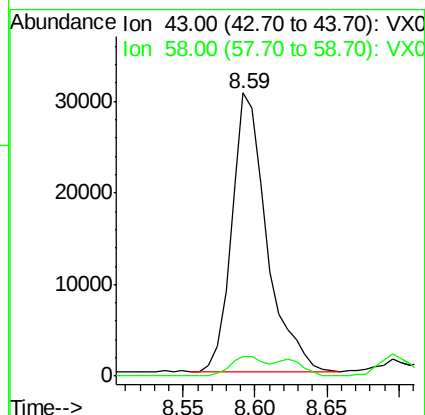
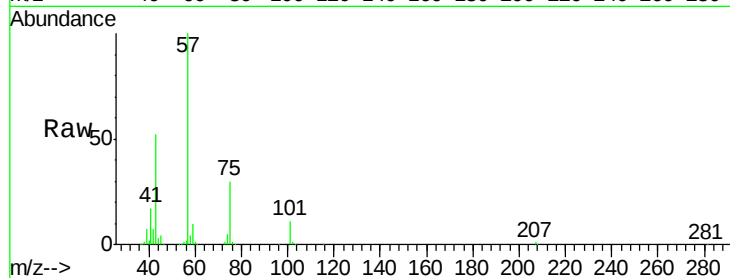
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 51590

Ion Ratio Lower Upper

43 100

58 7.2 33.0 49.4#



#54

cis-1,3-Dichloropropene

Concen: 6.022 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

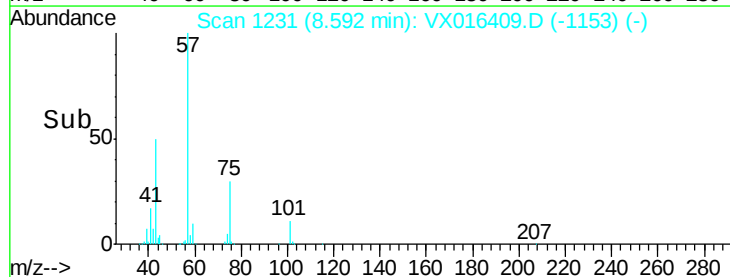
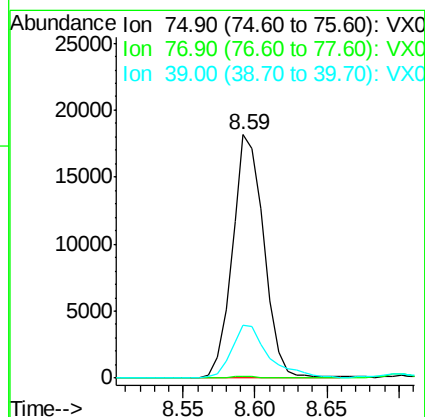
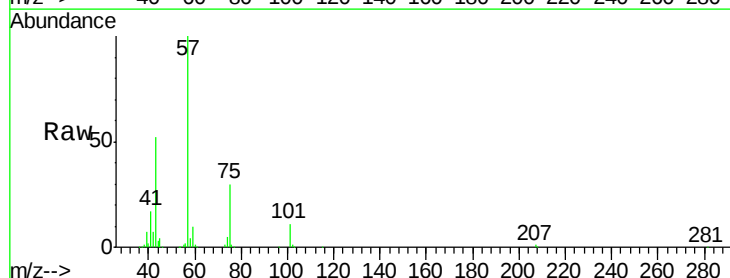
Tgt Ion: 75 Resp: 27660

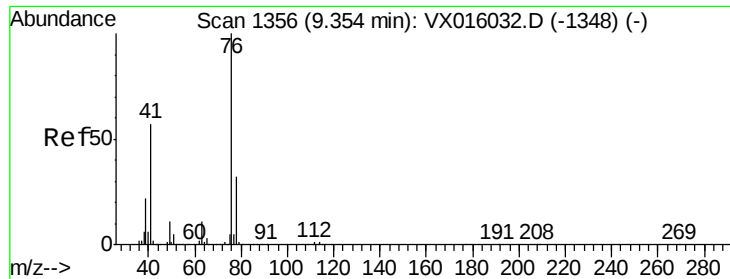
Ion Ratio Lower Upper

75 100

77 0.9 24.7 37.1#

39 22.0 38.7 58.1#





#57

1,3-Dichloropropane

Concen: 0.834 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Instrument :

MSVOA_X

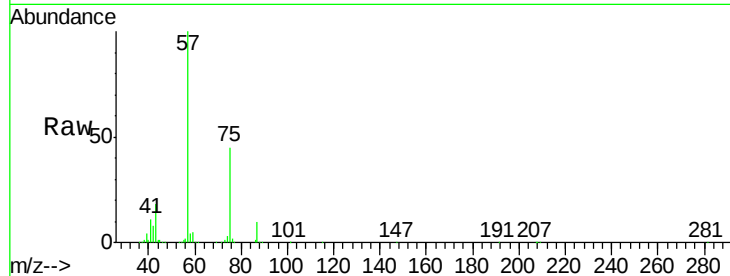
ClientSampleId :

Tot Ion: 76 Resp: 3757

Ion Ratio Lower Upper

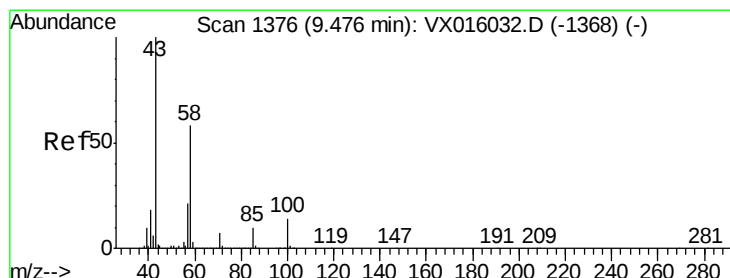
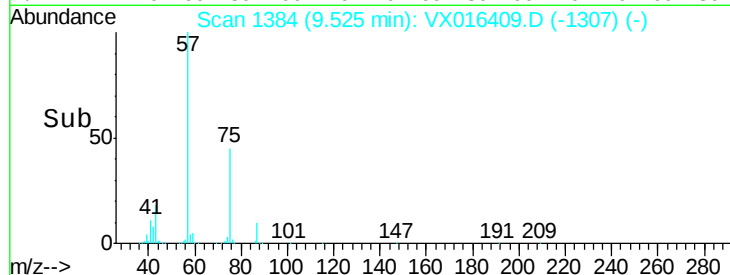
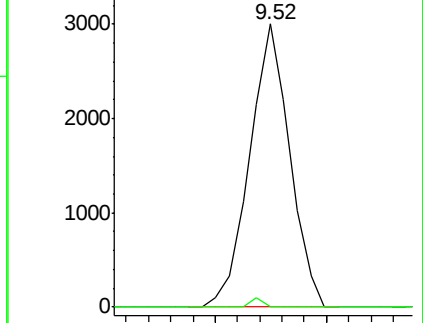
76 100

78 1.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 14.049 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016409.D

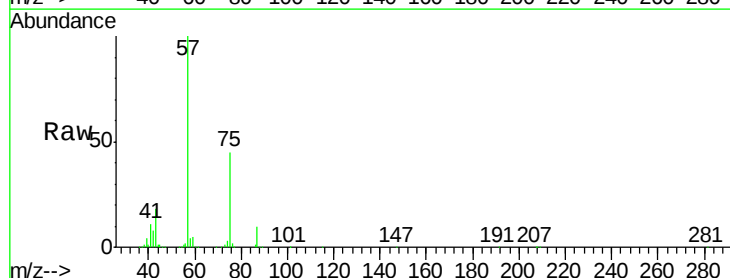
Acq: 22 May 2020 14:06

Tgt Ion: 43 Resp: 44936

Ion Ratio Lower Upper

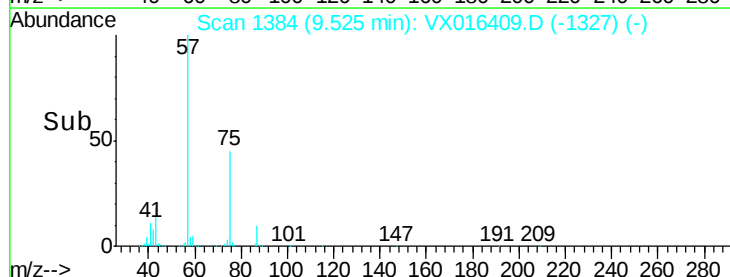
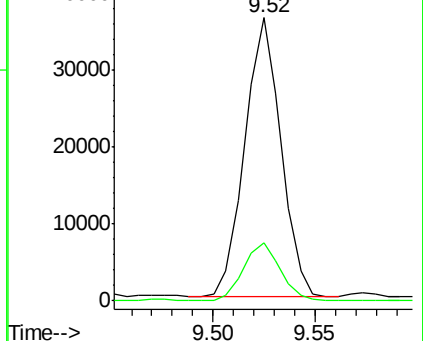
43 100

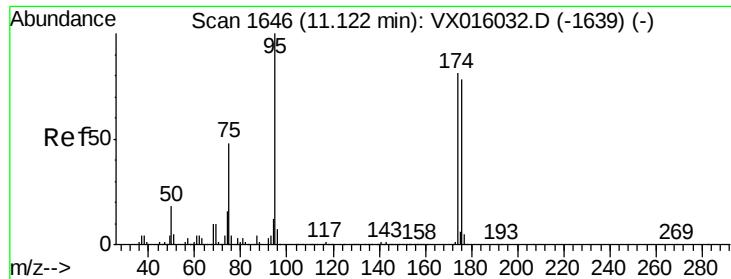
58 21.5 28.6 85.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

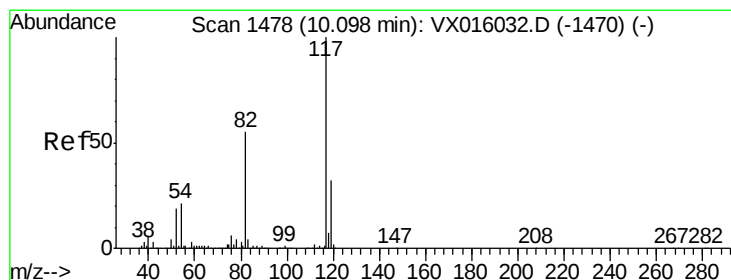
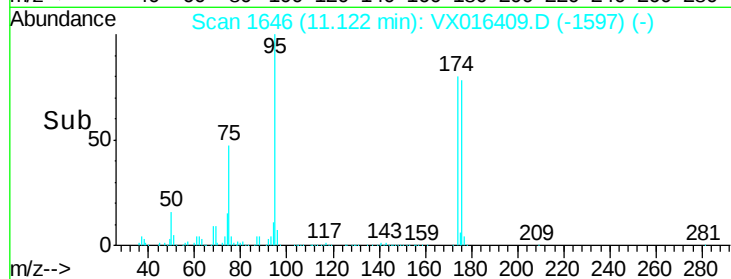
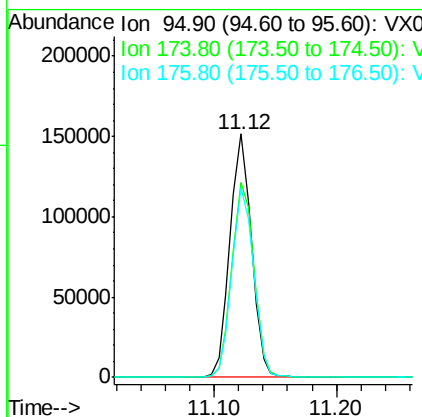
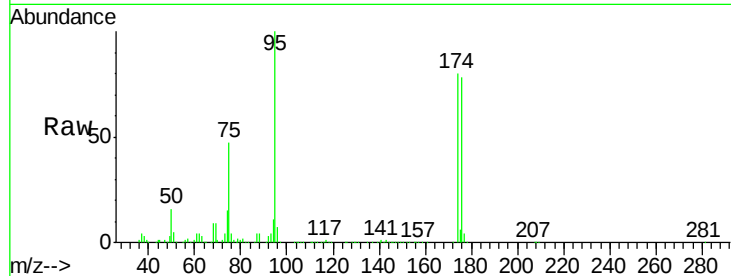




#62
4-Bromofluorobenzene
Concen: 54.112 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016409.D
Acq: 22 May 2020 14:06

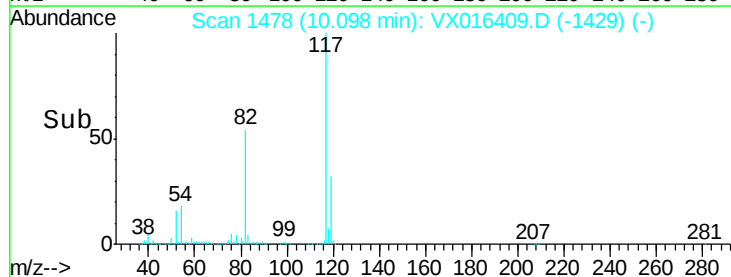
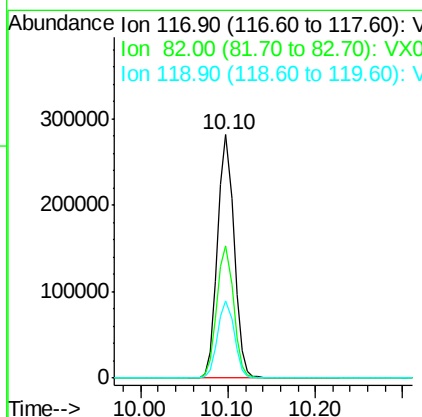
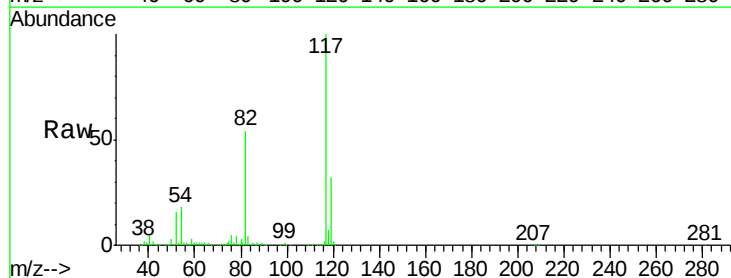
Instrument :
MSVOA_X
ClientSampleId :

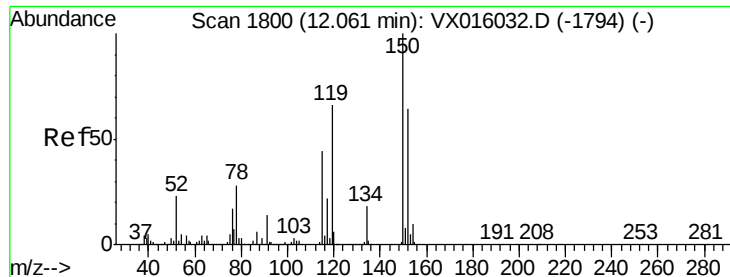
Tot Ion	95	Resp	183695
Ion Ratio	Lower	Upper	
95	100		
174	82.7	0.0	159.4
176	79.1	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016409.D
Acq: 22 May 2020 14:06

Tgt Ion	117	Resp	368376
Ion Ratio	Lower	Upper	
117	100		
82	54.3	44.4	66.6
119	31.8	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Instrument :

MSVOA_X

ClientSampleId :

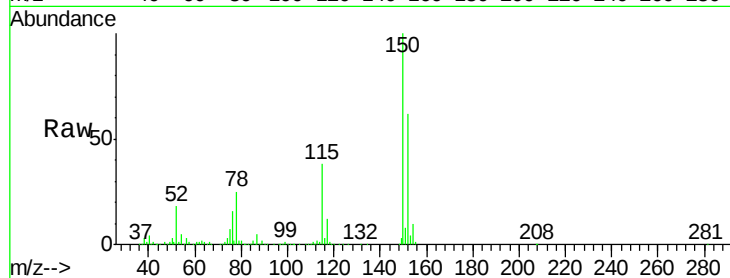
Tot Ion:152 Resp: 184061

Ion Ratio Lower Upper

152 100

115 59.7 41.3 124.1

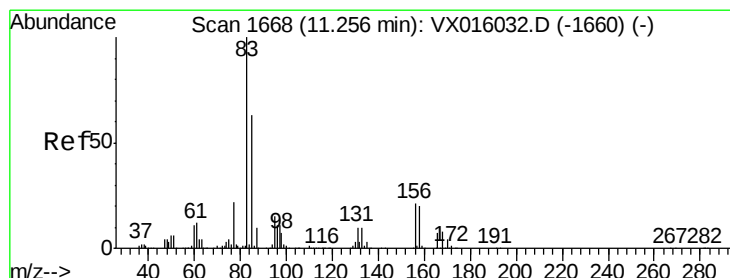
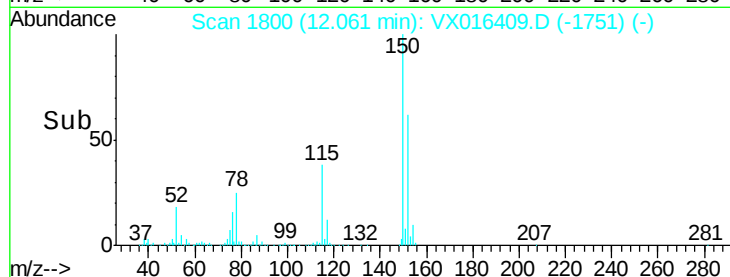
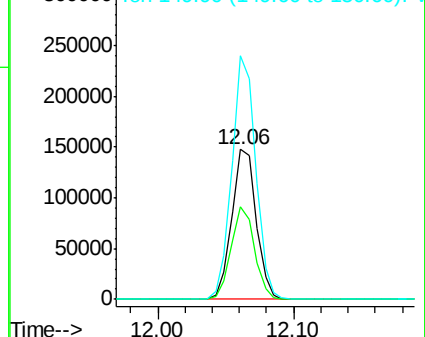
150 158.5 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.091 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

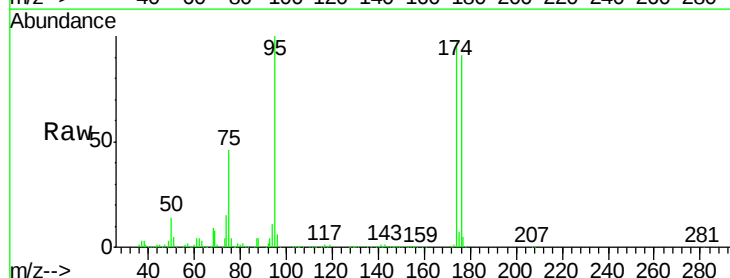
Tgt Ion: 83 Resp: 105

Ion Ratio Lower Upper

83 100

131 228.6 5.1 15.4#

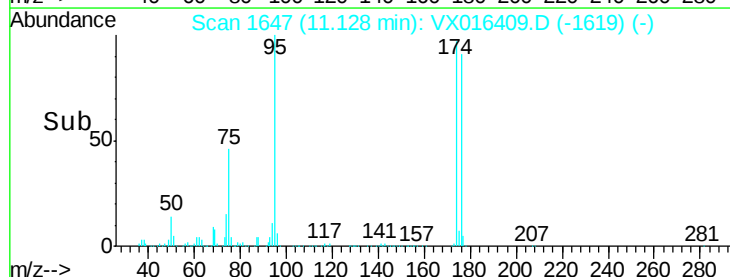
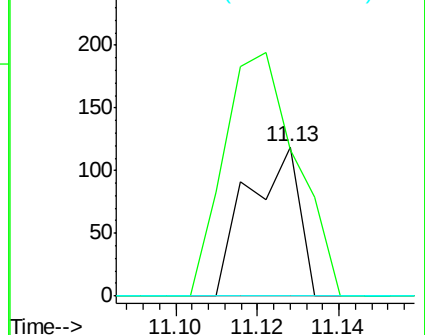
85 0.0 32.0 96.0#

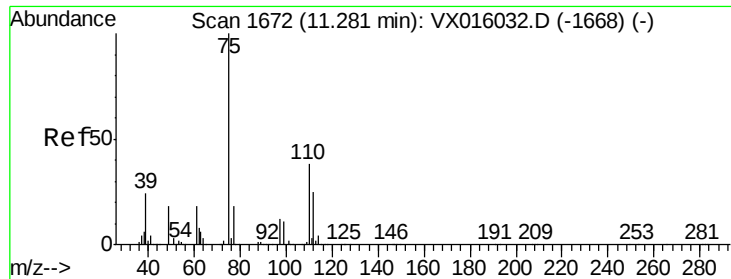


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.708 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Instrument :

MSVOA_X

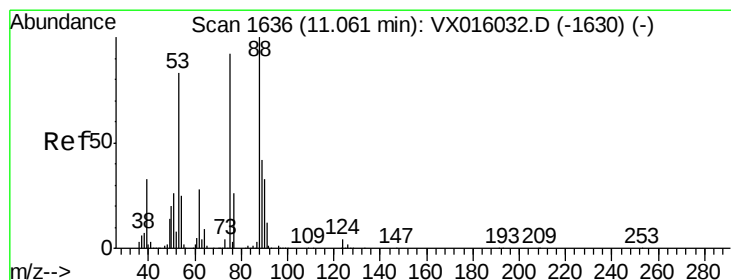
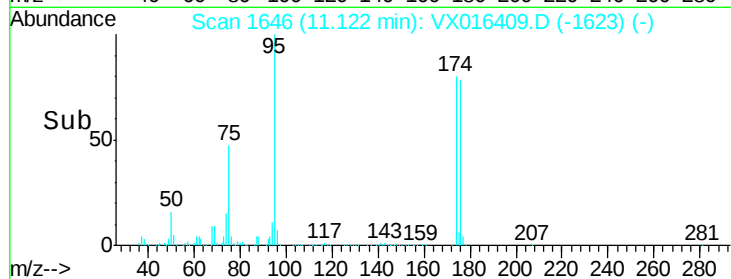
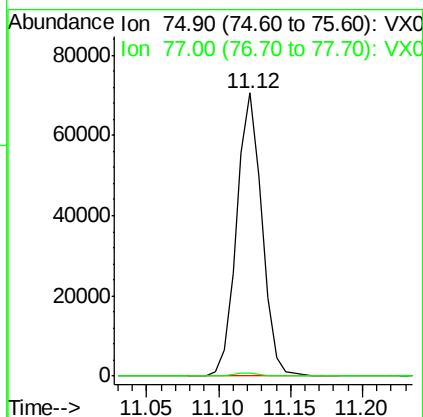
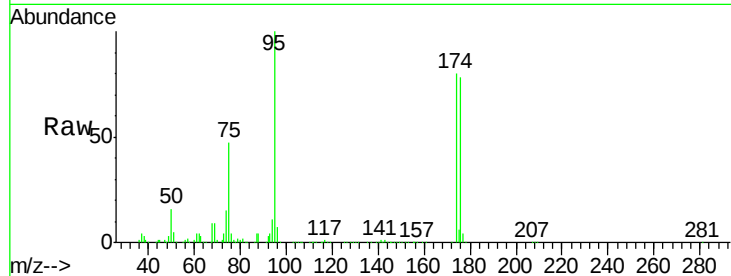
ClientSampleId :

Tot Ion: 75 Resp: 86492

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.348 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016409.D

Acq: 22 May 2020 14:06

Tgt Ion: 75 Resp: 86492

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

