

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052220\
 Data File : VX016407.D
 Acq On : 22 May 2020 13:20
 Operator : JC/SP
 Sample : L2728-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:35:07 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	5.63	168	223728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	367079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	359219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	184151	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	128055	43.50	ug/l	0.00
Spiked Amount			Recovery	=	87.00%	
35) Dibromofluoromethane	5.47	113	107603	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	8.70	98	455799	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.12	95	179548	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	

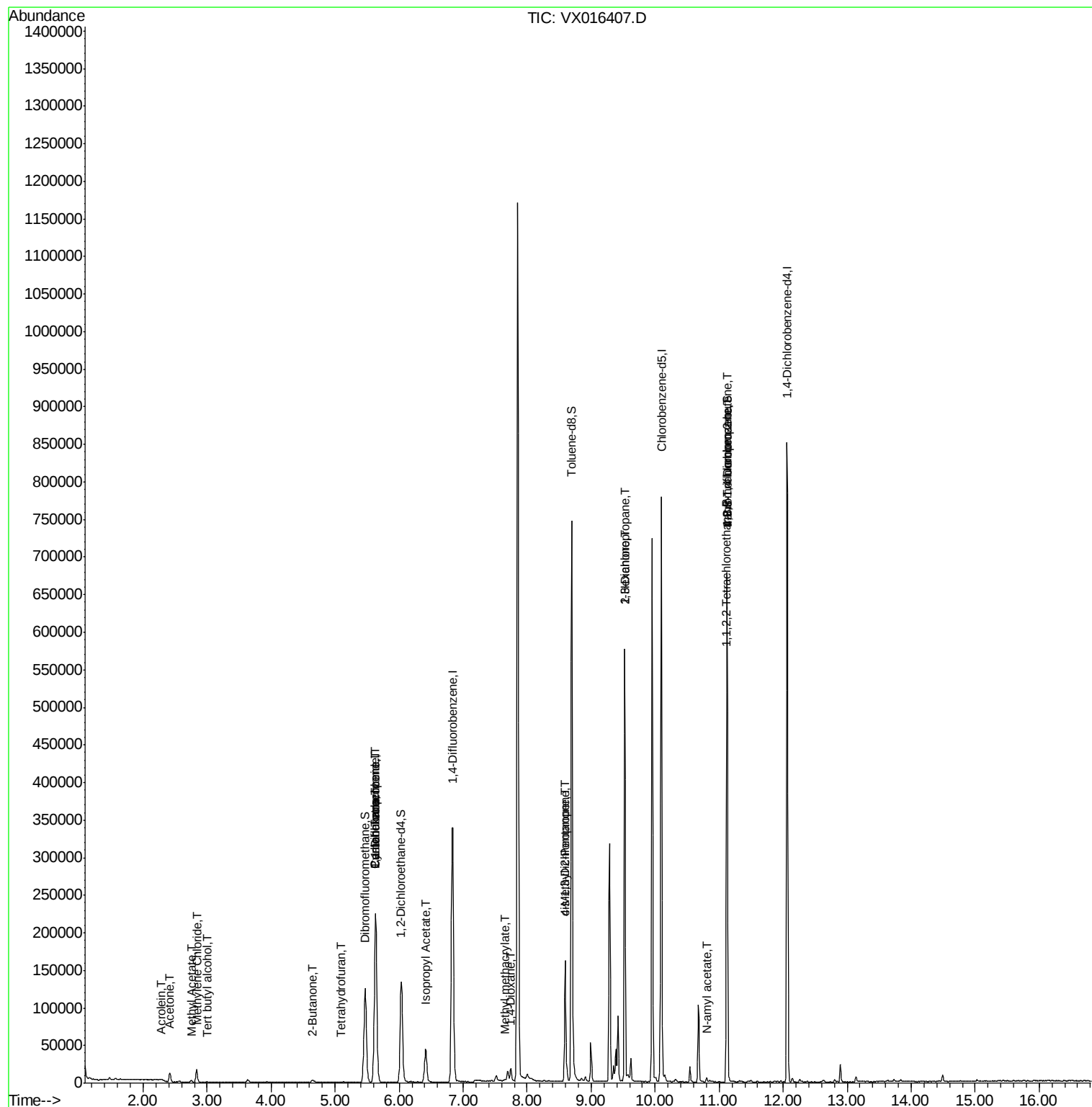
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	688	0.924	ug/l #	72
13) Acrolein	2.29	56	477	1.024	ug/l #	36
16) Acetone	2.42	43	12378	9.423	ug/l	90
17) Carbon Disulfide	2.55	76	725	Below Cal	#	48
18) Methyl Acetate	2.75	43	2842	0.880	ug/l	96
20) Methylene Chloride	2.84	84	8257	3.049	ug/l	95
25) 2-Butanone	4.65	43	2866	1.354	ug/l #	87
29) Tetrahydrofuran	5.09	42	551	0.393	ug/l #	31
31) Cyclohexane	5.62	56	3825	0.935	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15706	4.347	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20489	5.579	ug/l #	16
43) Isopropyl Acetate	6.42	43	60356	9.032	ug/l	96
48) Methyl methacrylate	7.65	41	3573	1.128	ug/l #	14
49) 1,4-Dioxane	7.73	88	20	0.263	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	55715	13.625	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	28820	6.250	ug/l #	54
57) 1,3-Dichloropropane	9.52	76	4909	1.085	ug/l #	42
59) 2-Hexanone	9.52	43	57793	17.997	ug/l #	51
74) N-amyl acetate	10.80	43	2948	0.472	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.11	83	108	2.092	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	85299	20.412	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	85299	48.644	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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :

MSVOA_X

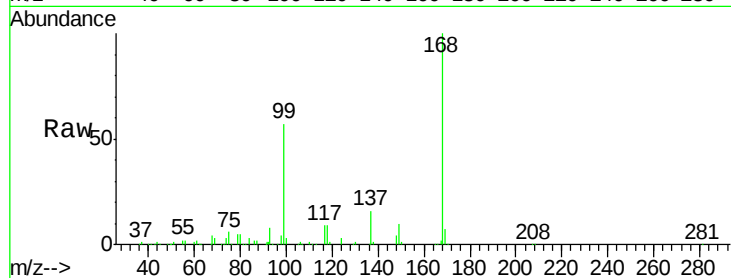
ClientSampleId :

Tot Ion:168 Resp: 223728

Ion Ratio Lower Upper

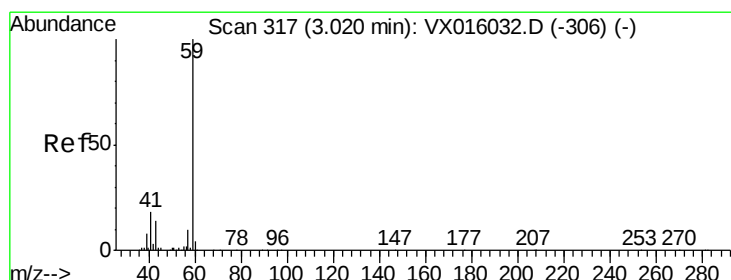
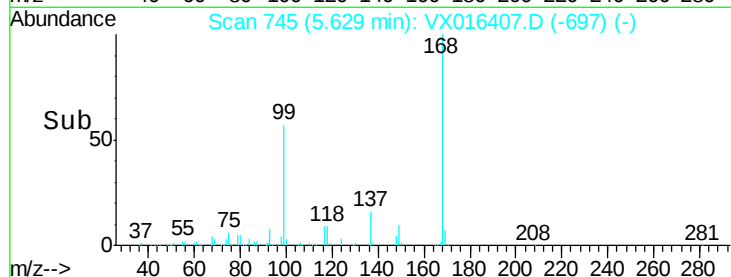
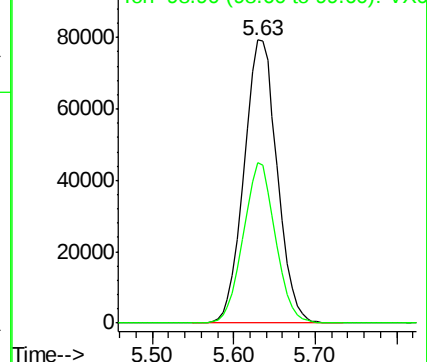
168 100

99 56.9 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: 0.924 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX016407.D

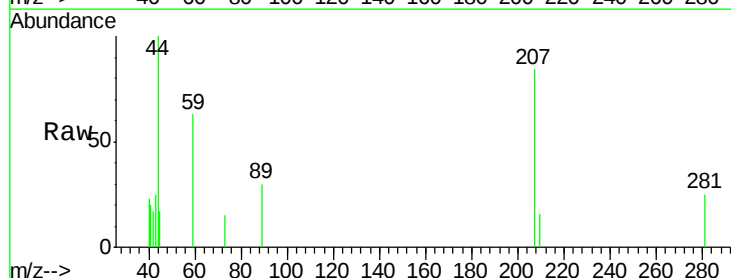
Acq: 22 May 2020 13:20

Tgt Ion: 59 Resp: 688

Ion Ratio Lower Upper

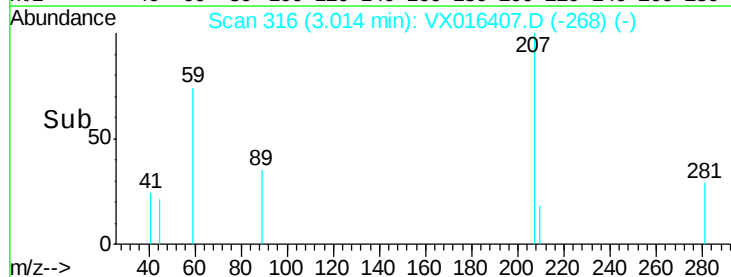
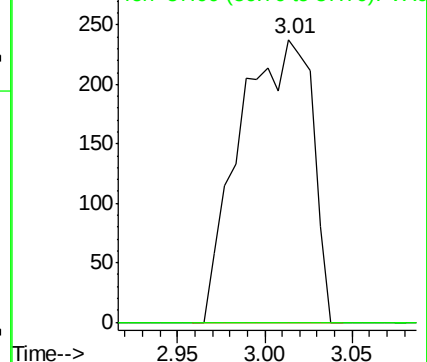
59 100

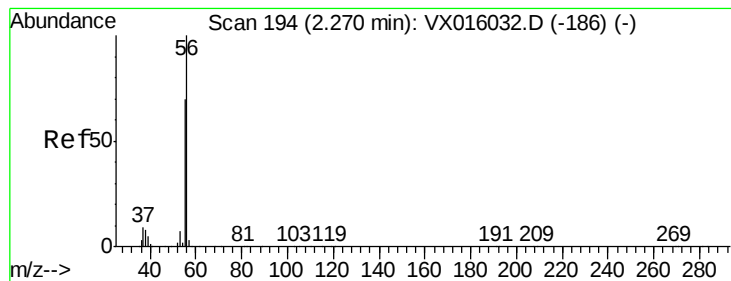
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.024 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

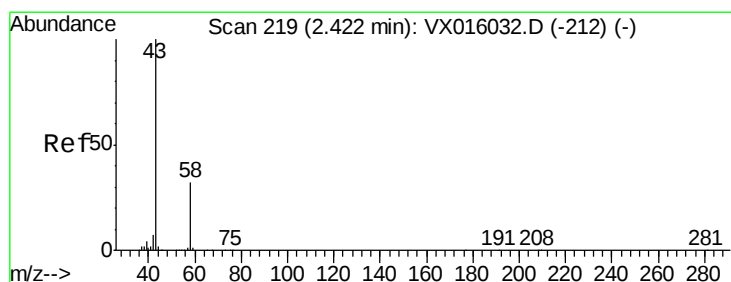
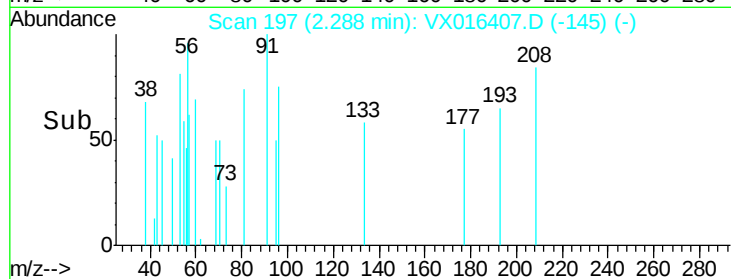
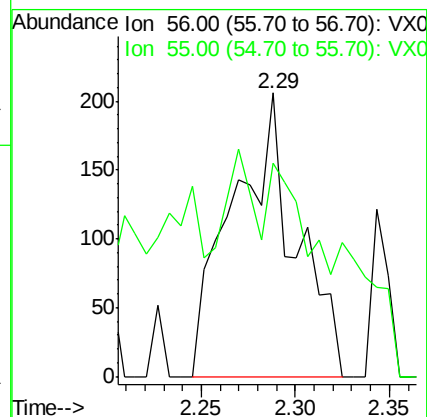
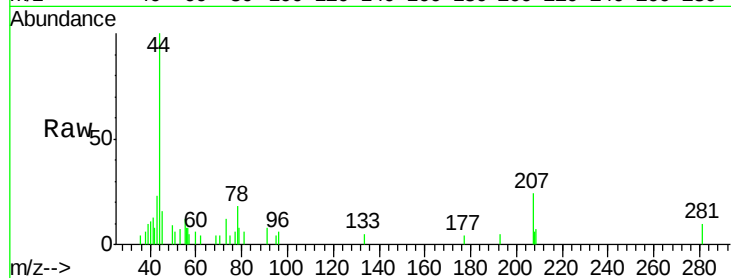
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 477

Ion Ratio Lower Upper

56 100

55 18.2 56.5 84.7#



#16

Acetone

Concen: 9.423 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016407.D

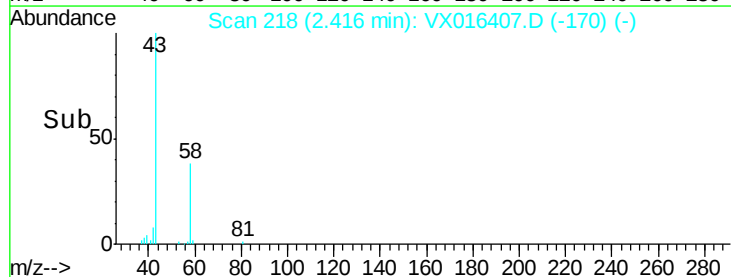
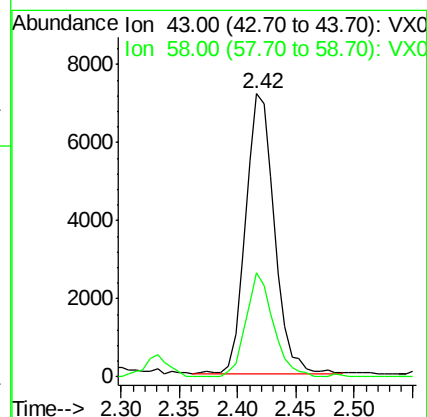
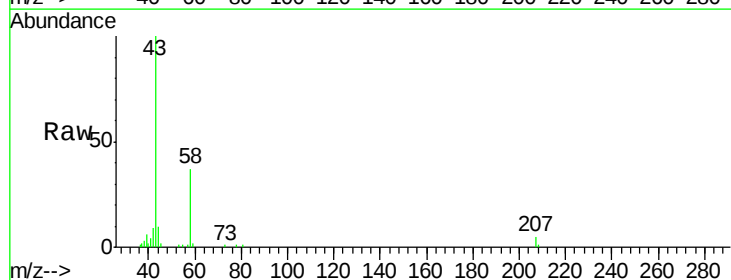
Acq: 22 May 2020 13:20

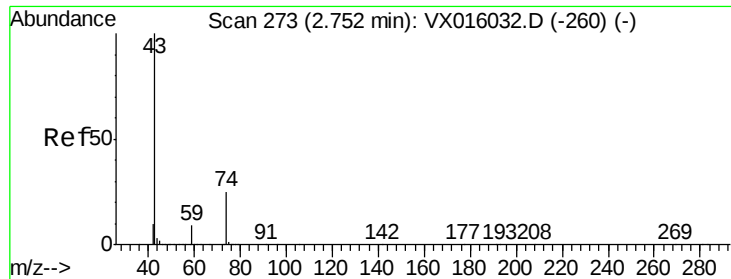
Tgt Ion: 43 Resp: 12378

Ion Ratio Lower Upper

43 100

58 37.1 25.4 38.0

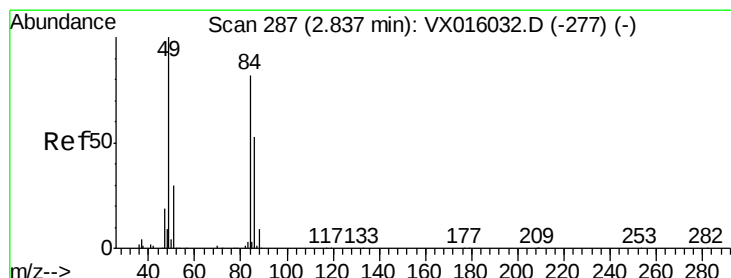
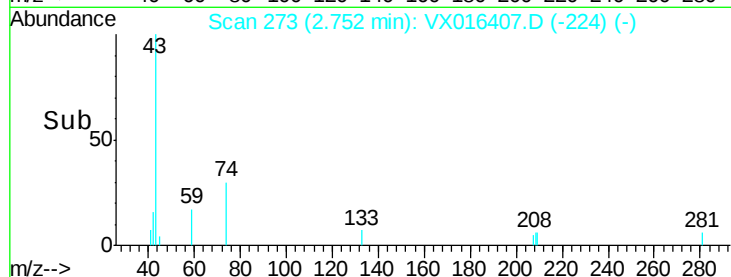
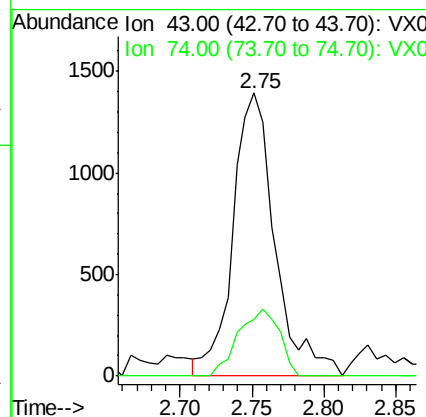
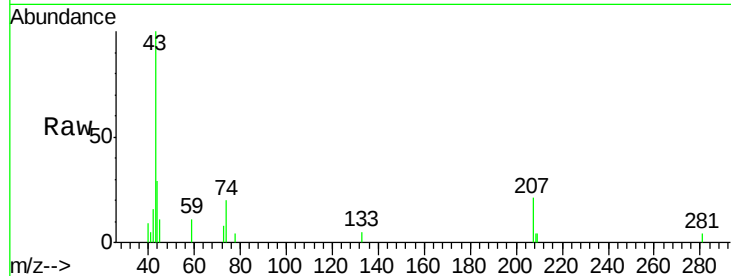




#18
Methvl Acetate
Concen: 0.880 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016407.D
Acq: 22 May 2020 13:20

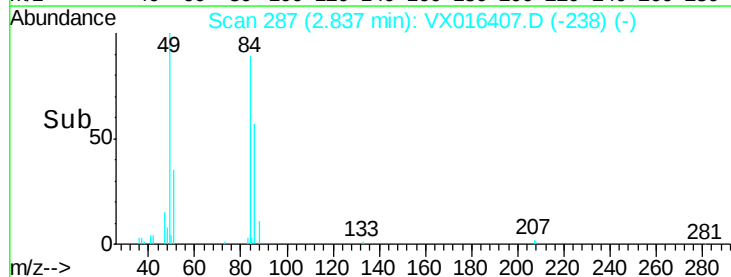
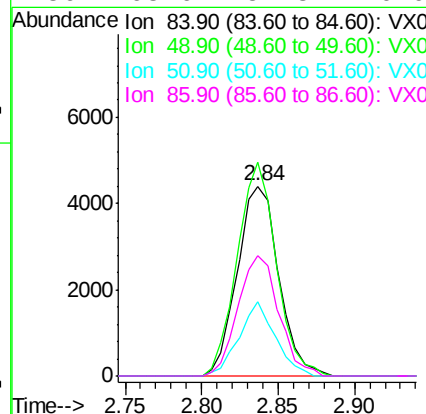
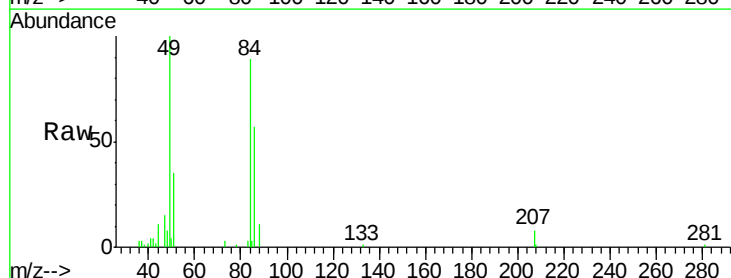
Instrument :
MSVOA_X
ClientSampleId :

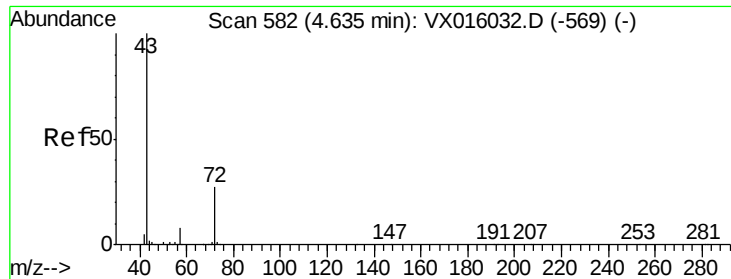
Tot Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
74 23.0 20.2 30.2



#20
Methylene Chloride
Concen: 3.049 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016407.D
Acq: 22 May 2020 13:20

Tgt Ion: 84 Resp: 8257
Ion Ratio Lower Upper
84 100
49 112.5 97.3 145.9
51 39.0 29.3 43.9
86 63.6 51.3 76.9





#25

2-Butanone

Concen: 1.354 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :

MSVOA_X

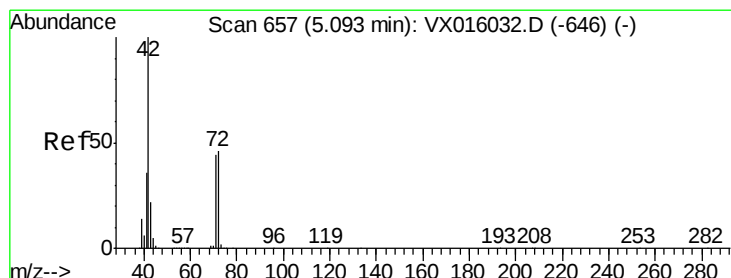
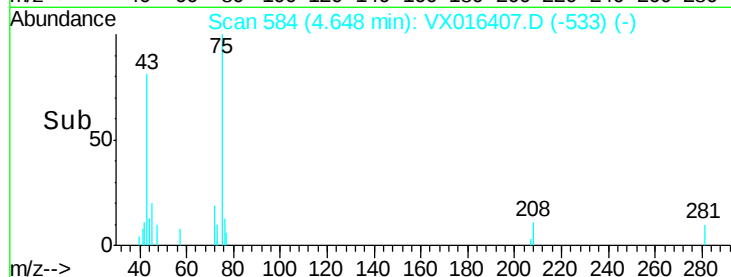
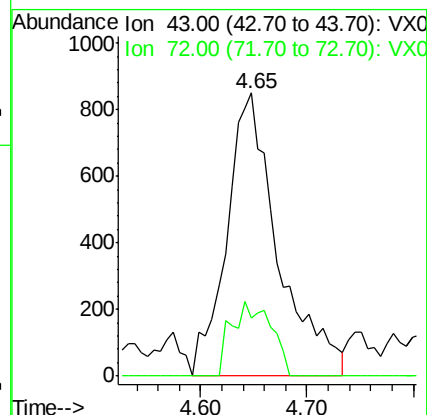
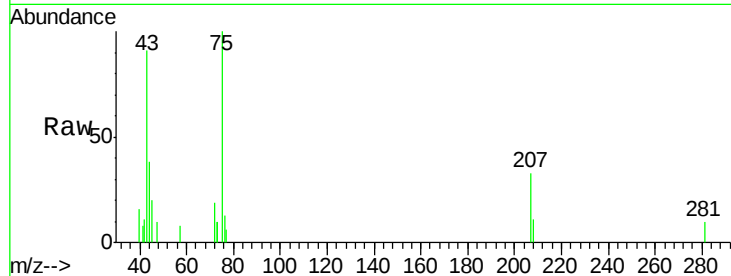
ClientSampled :

Tot Ion: 43 Resp: 2866

Ion Ratio Lower Upper

43 100

72 20.4 21.8 32.8#



#29

Tetrahydrofuran

Concen: 0.393 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

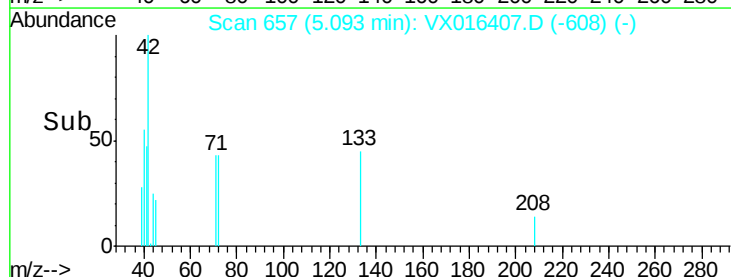
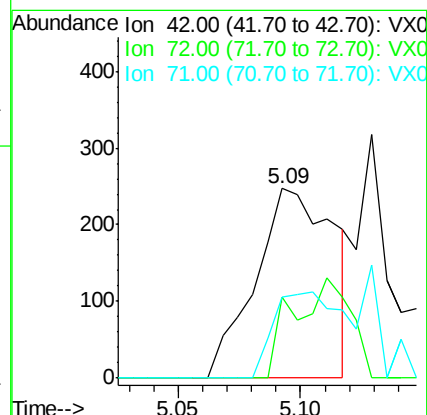
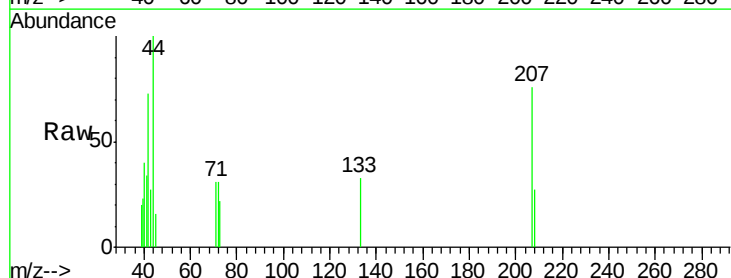
Tgt Ion: 42 Resp: 551

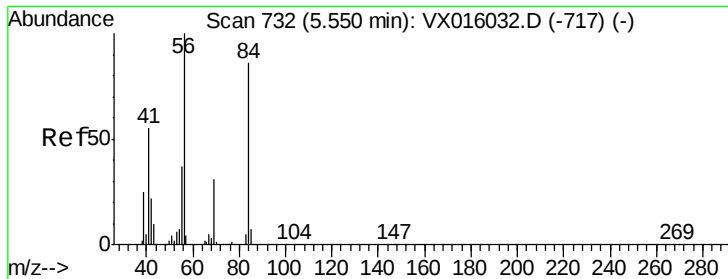
Ion Ratio Lower Upper

42 100

72 0.0 37.1 55.7#

71 0.0 34.5 51.7#

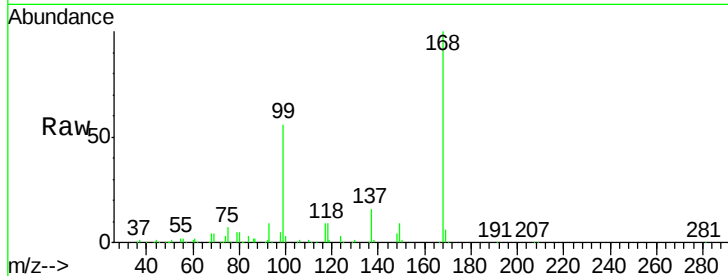




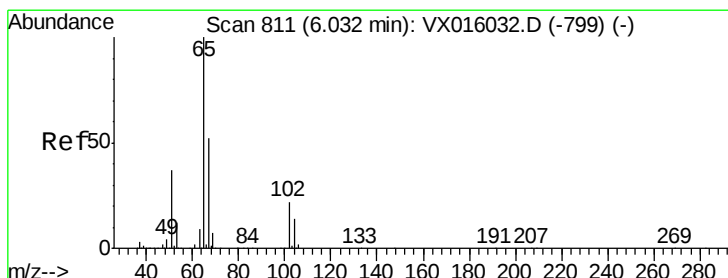
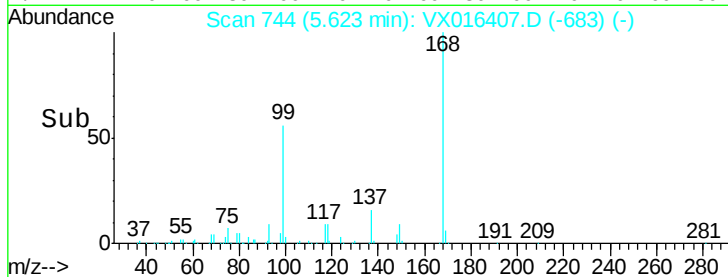
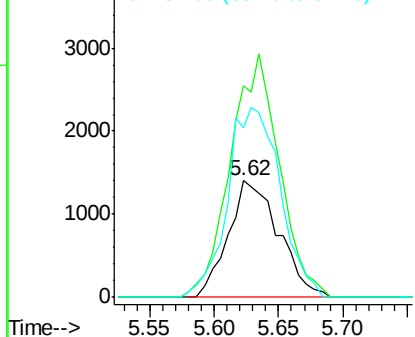
#31
Cvclohexane
Concen: 0.935 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016407.D
Acq: 22 May 2020 13:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 3825
Ion Ratio Lower Upper
56 100
69 182.0 25.0 37.6#
84 145.2 69.0 103.6#

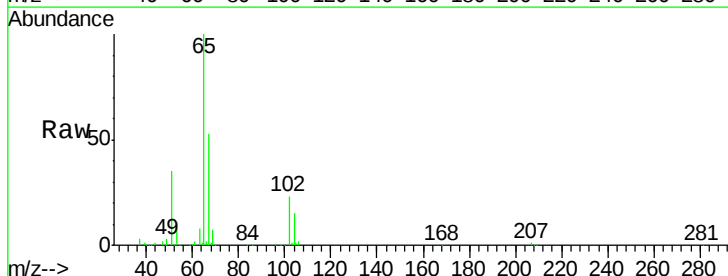


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

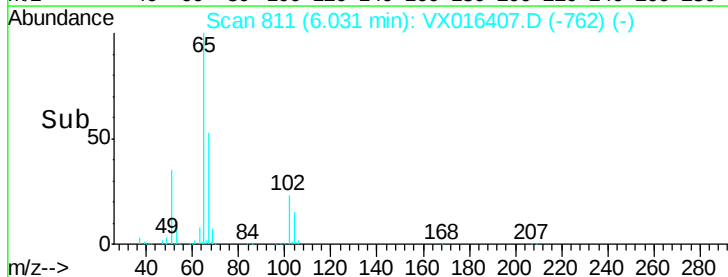
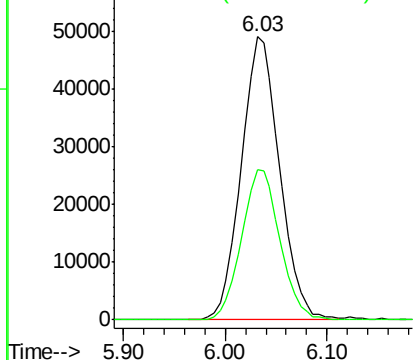


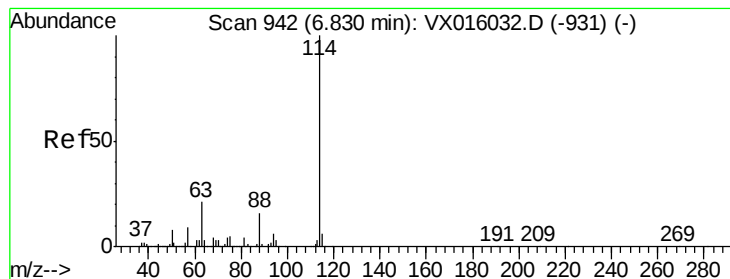
#33
1,2-Dichloroethane-d4
Concen: 43.496 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016407.D
Acq: 22 May 2020 13:20

Tgt Ion: 65 Resp: 128055
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

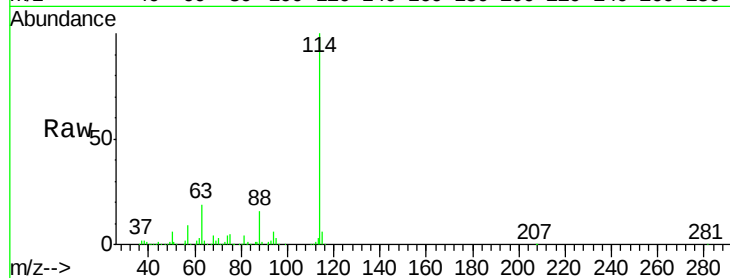
Tot Ion:114 Resp: 367079

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

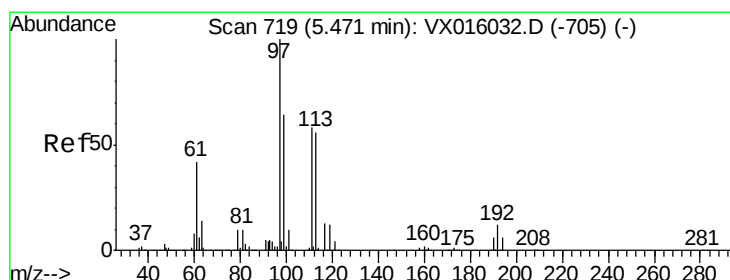
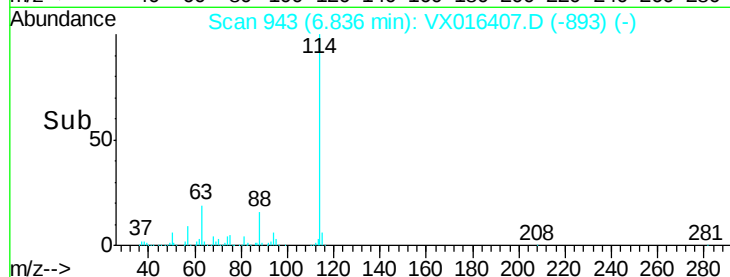
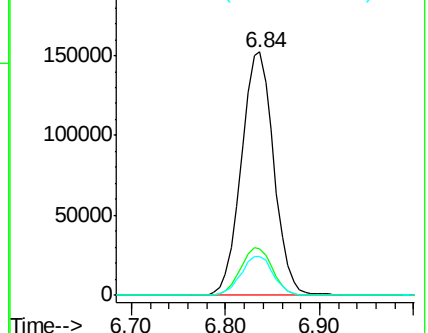
88 16.2 0.0 31.4



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: 46.269 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

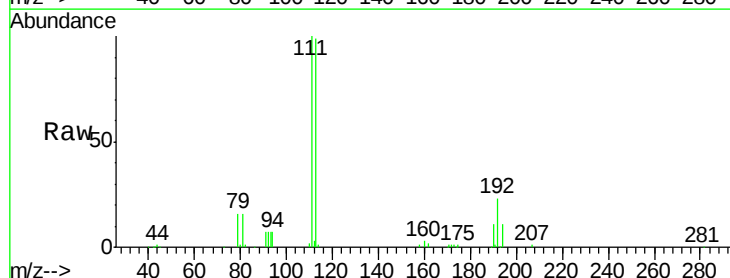
Tgt Ion:113 Resp: 107603

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

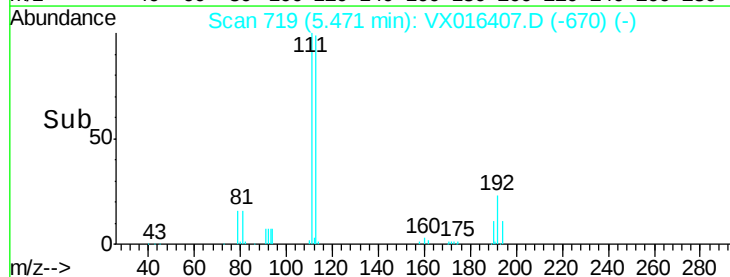
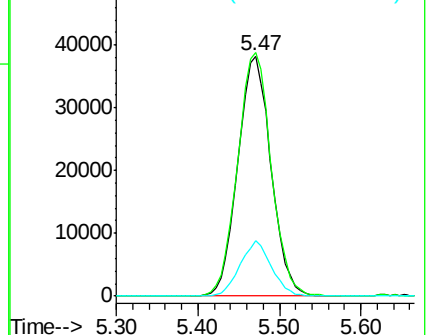
192 21.8 17.0 25.4

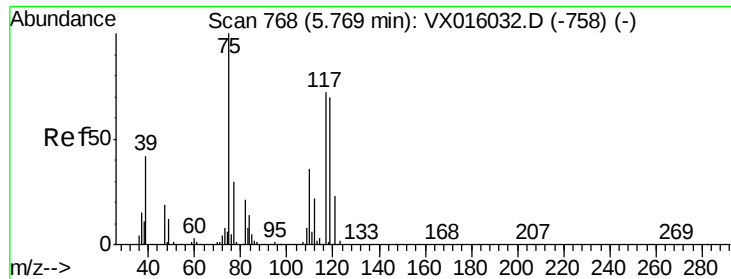


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.347 ug/l

RT: 5.64 min Scan# 746

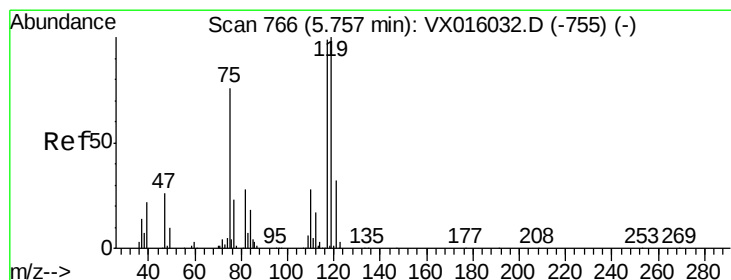
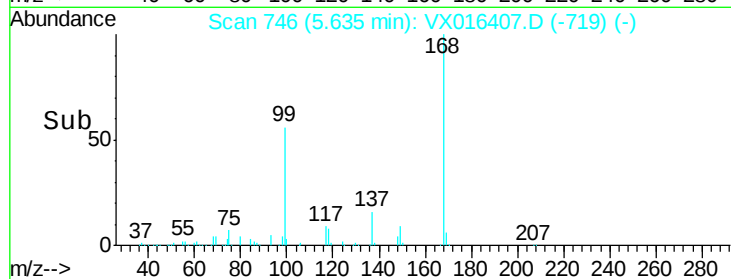
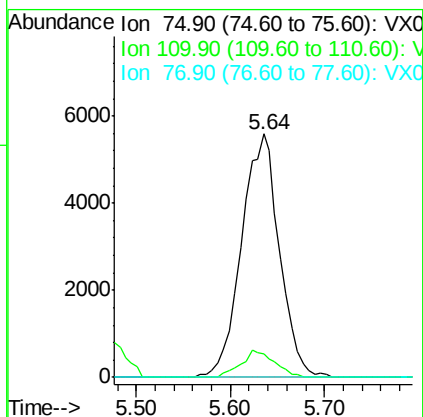
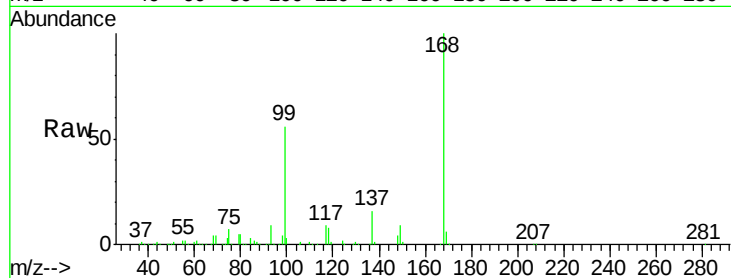
Delta R.T. -0.13 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	15706
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.0	25.0	37.6#



#38

Carbon Tetrachloride

Concen: 5.579 ug/l

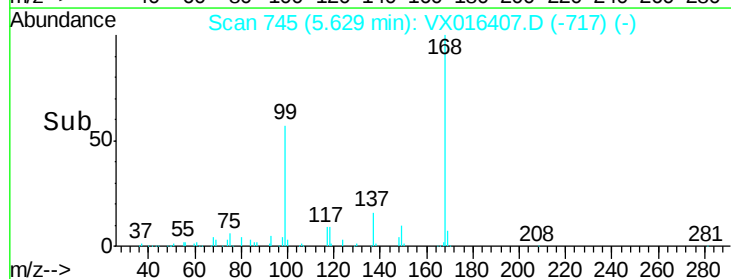
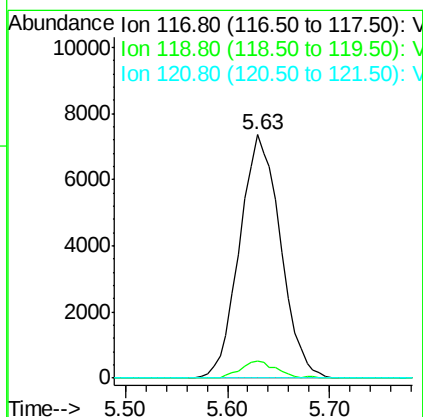
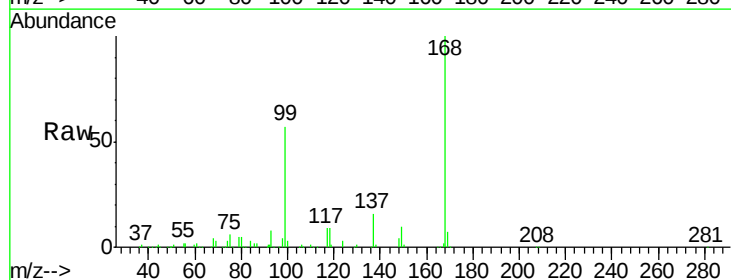
RT: 5.63 min Scan# 745

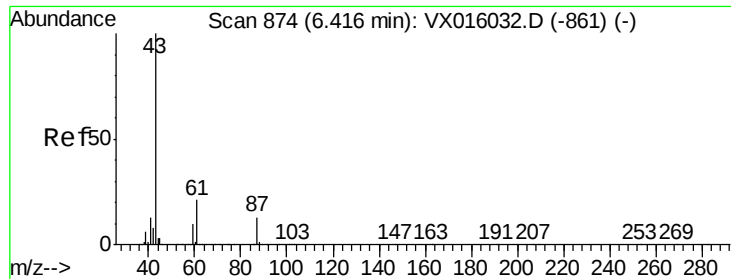
Delta R.T. -0.13 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Tgt Ion:	117	Resp:	20489
Ion	Ratio	Lower	Upper
117	100		
119	7.2	80.3	120.5#
121	0.0	25.7	38.5#





#43

Isopropyl Acetate

Concen: 9.032 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

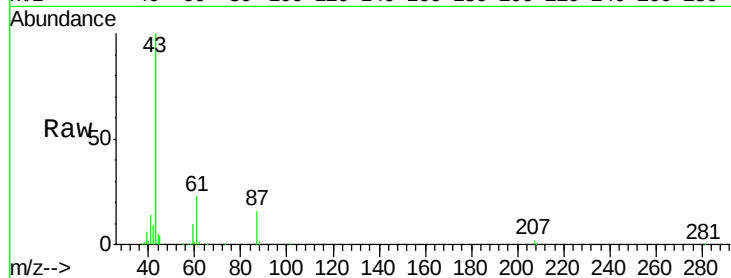
Tot Ion: 43 Resp: 60356

Ion Ratio Lower Upper

43 100

61 22.8 17.0 25.4

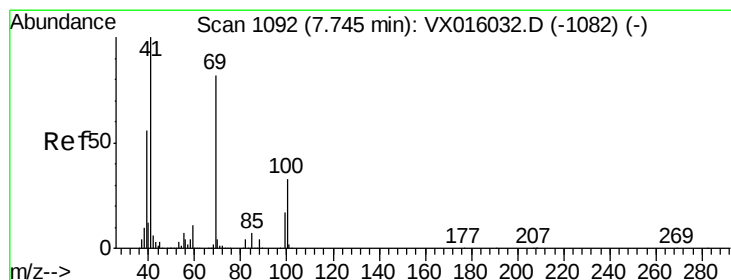
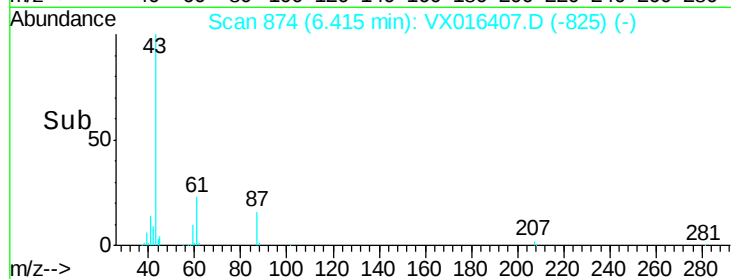
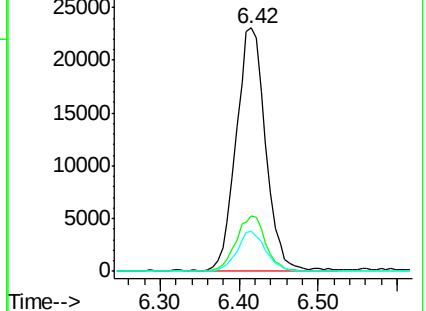
87 15.6 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.128 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

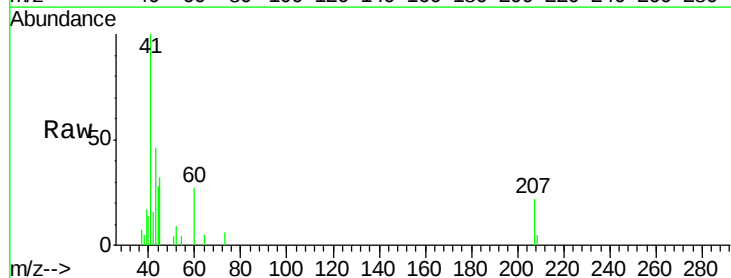
Tgt Ion: 41 Resp: 3573

Ion Ratio Lower Upper

41 100

69 0.0 67.8 101.6#

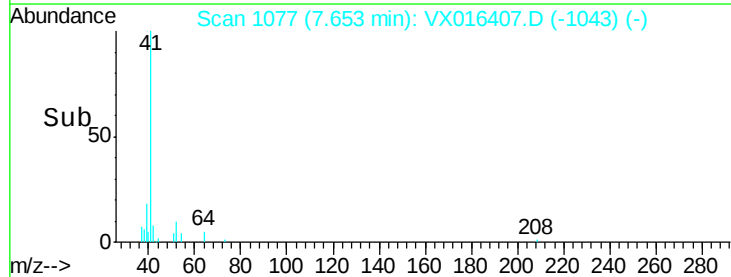
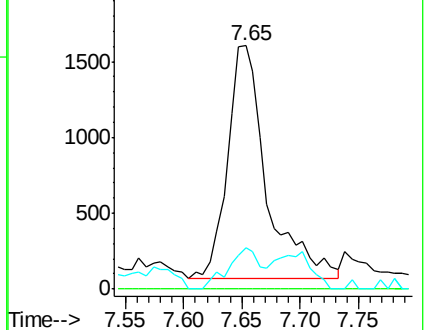
39 0.0 44.6 67.0#

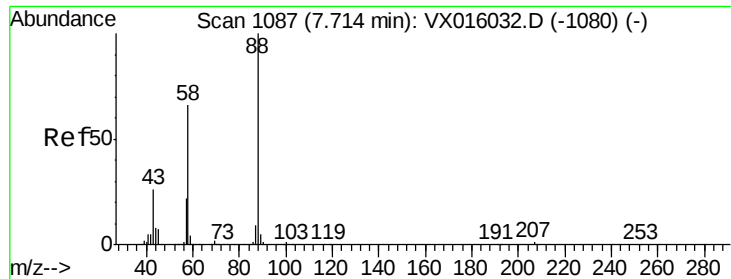


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

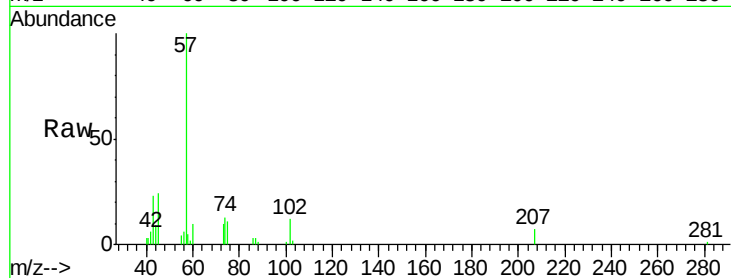




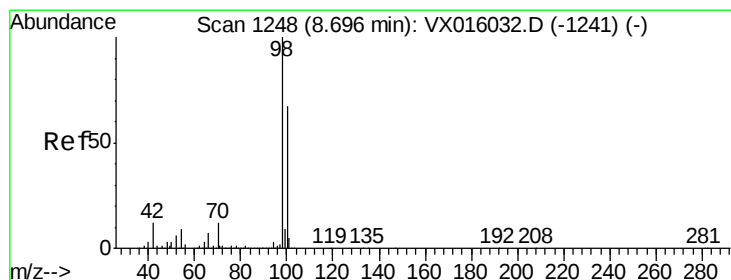
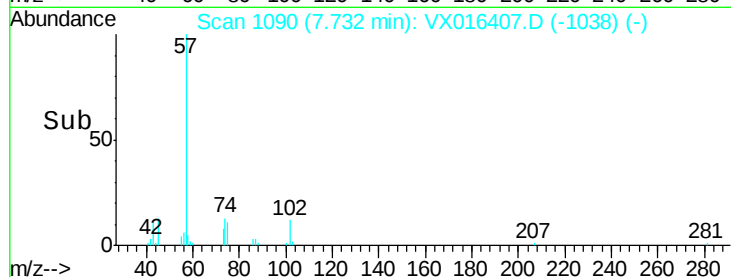
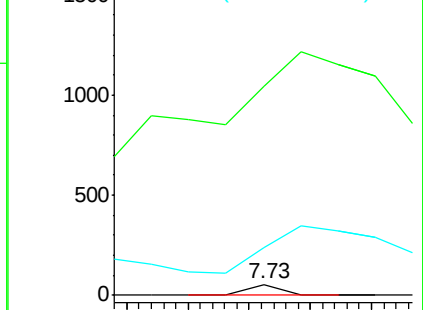
#49
 1,4-Dioxane
 Concen: 0.263 ug/l
 RT: 7.73 min Scan# 1090
 Delta R.T. 0.02 min
 Lab File: VX016407.D
 Acq: 22 May 2020 13:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.3 37.9#
 58 2755.0 55.9 83.9#

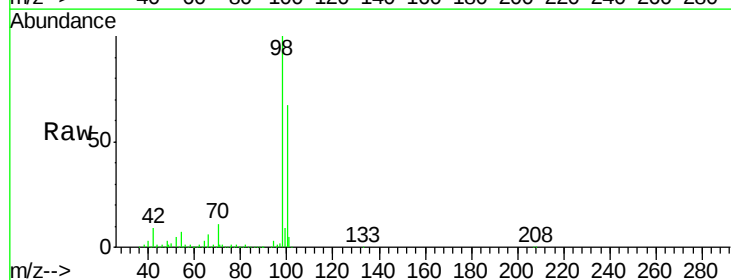


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

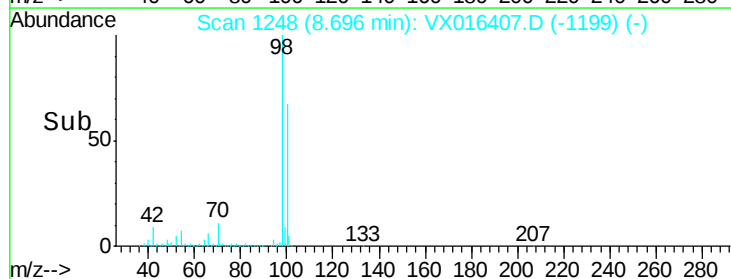
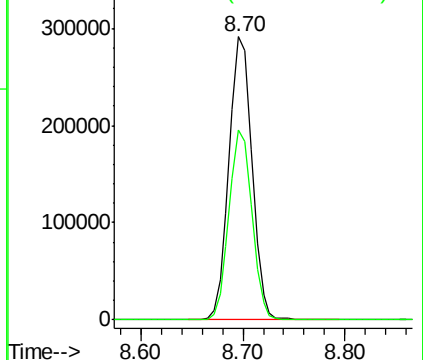


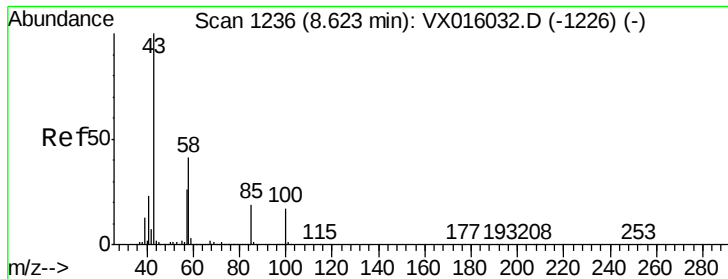
#50
 Toluene-d8
 Concen: 50.866 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016407.D
 Acq: 22 May 2020 13:20

Tgt Ion: 98 Resp: 455799
 Ion Ratio Lower Upper
 98 100
 100 67.0 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: 13.625 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :

MSVOA_X

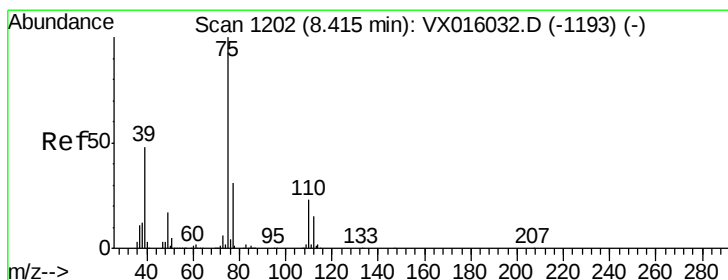
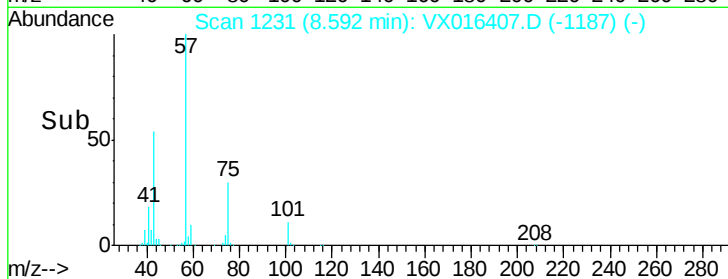
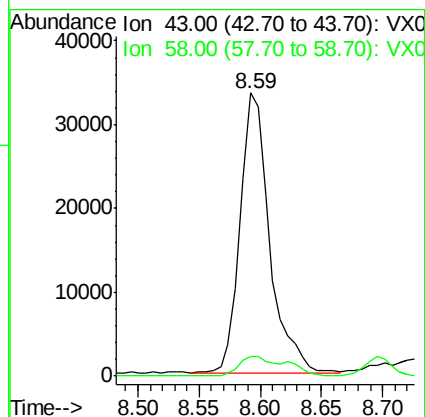
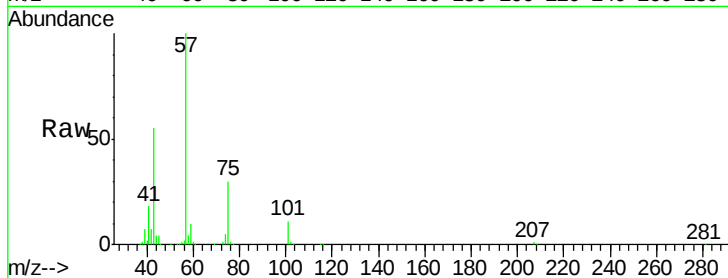
ClientSampleId :

Tot Ion: 43 Resp: 55715

Ion Ratio Lower Upper

43 100

58 11.3 33.0 49.4#



#54

cis-1,3-Dichloropropene

Concen: 6.250 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

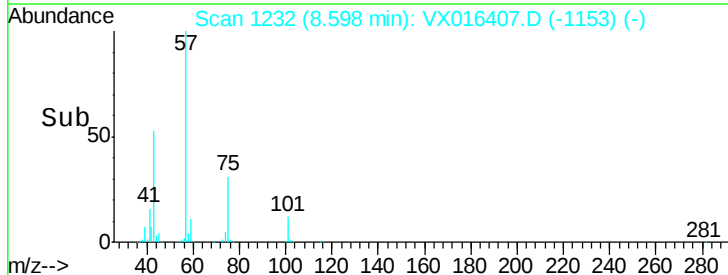
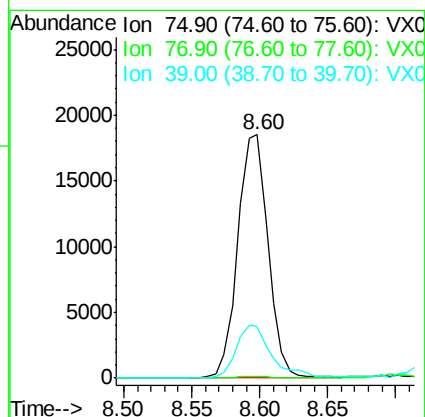
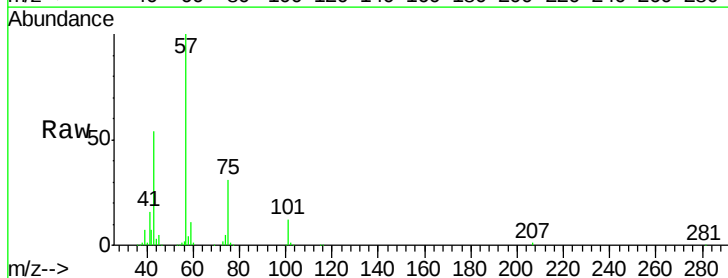
Tgt Ion: 75 Resp: 28820

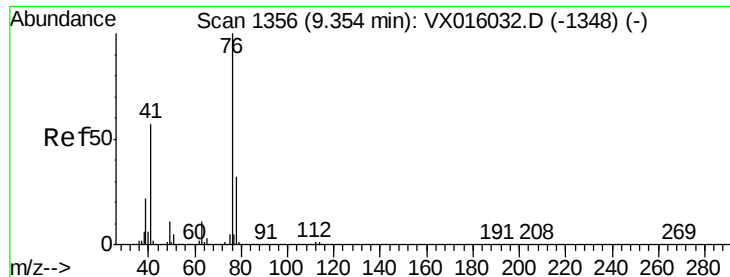
Ion Ratio Lower Upper

75 100

77 0.5 24.7 37.1#

39 21.0 38.7 58.1#





#57

1,3-Dichloropropane

Concen: 1.085 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :

MSVOA_X

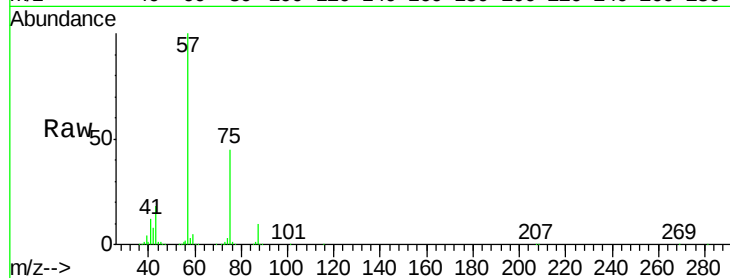
ClientSampleId :

Tot Ion: 76 Resp: 4909

Ion Ratio Lower Upper

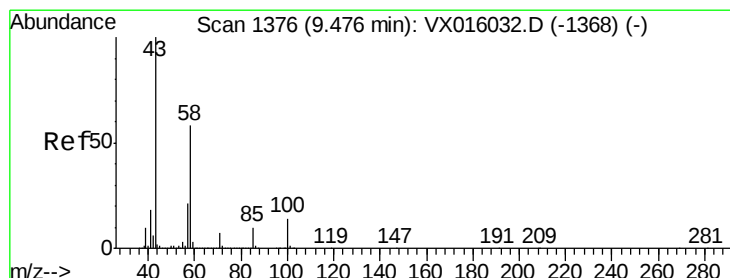
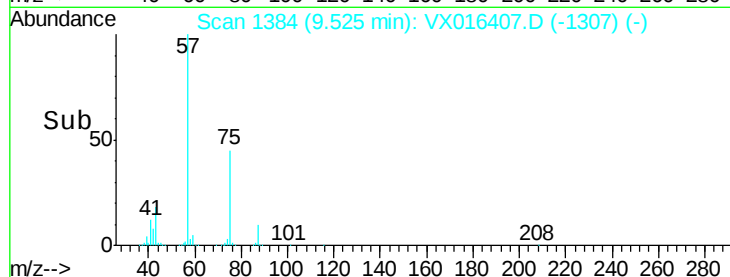
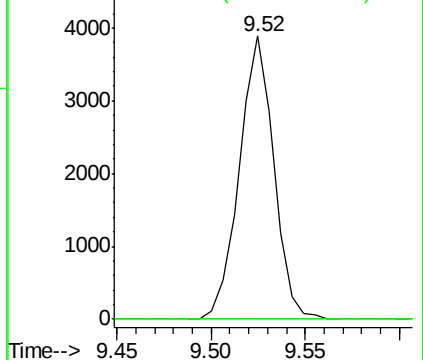
76 100

78 0.0 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: 17.997 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016407.D

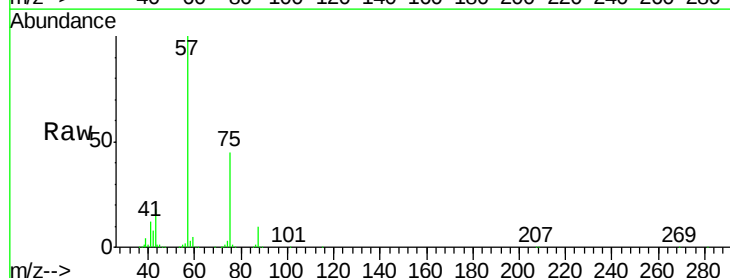
Acq: 22 May 2020 13:20

Tgt Ion: 43 Resp: 57793

Ion Ratio Lower Upper

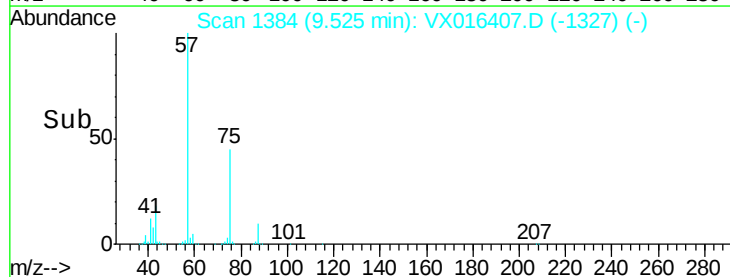
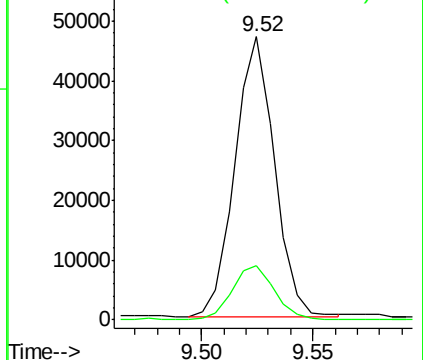
43 100

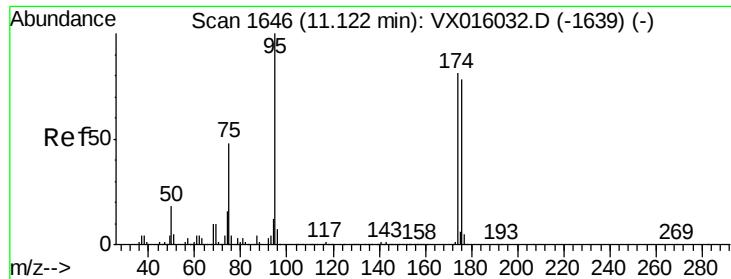
58 21.2 28.6 85.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

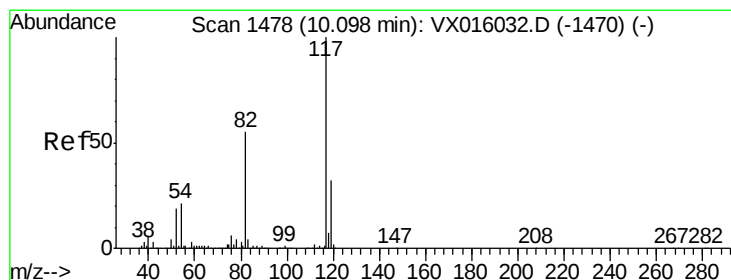
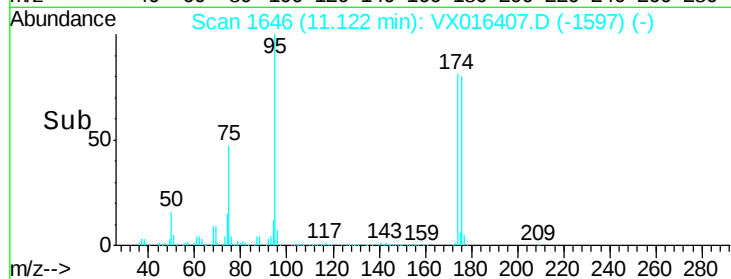
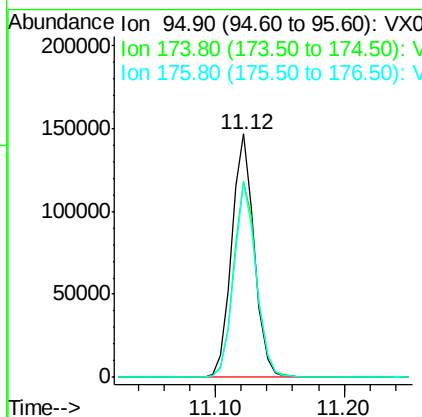
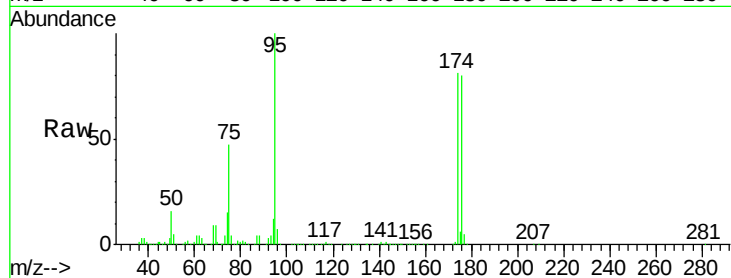




#62
4-Bromofluorobenzene
Concen: 52.681 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016407.D
Acq: 22 May 2020 13:20

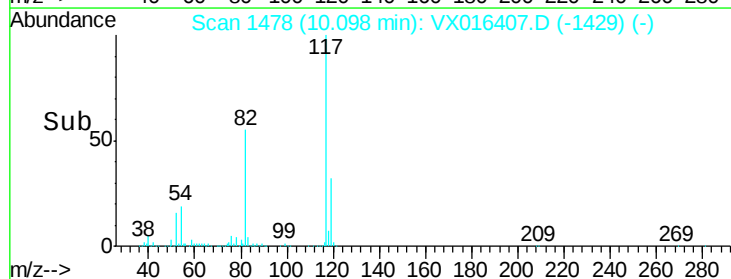
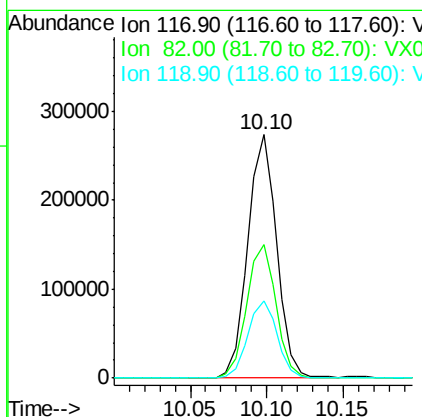
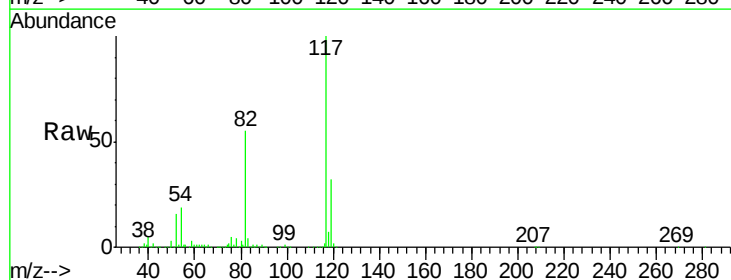
Instrument :
MSVOA_X
ClientSampleId :

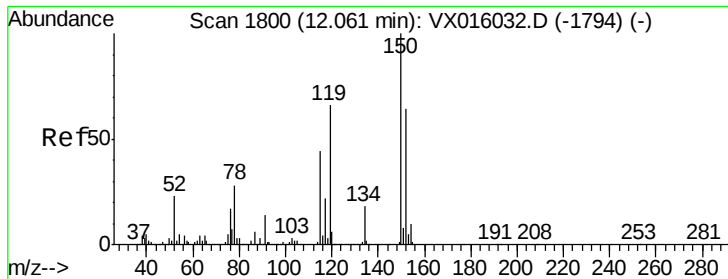
Tot Ion: 95 Resp: 179548
Ion Ratio Lower Upper
95 100
174 81.3 0.0 159.4
176 78.6 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016407.D
Acq: 22 May 2020 13:20

Tgt Ion: 117 Resp: 359219
Ion Ratio Lower Upper
117 100
82 54.6 44.4 66.6
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

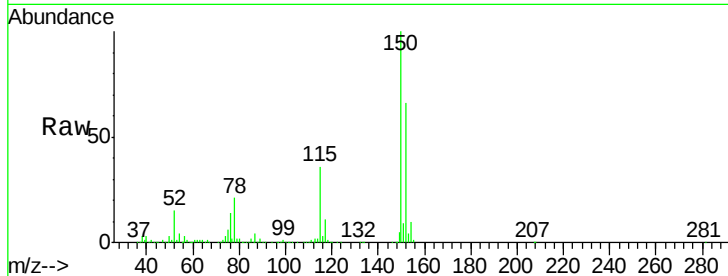
Tot Ion:152 Resp: 184151

Ion Ratio Lower Upper

152 100

115 58.8 41.3 124.1

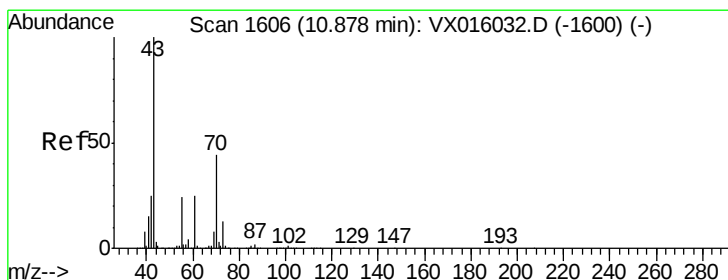
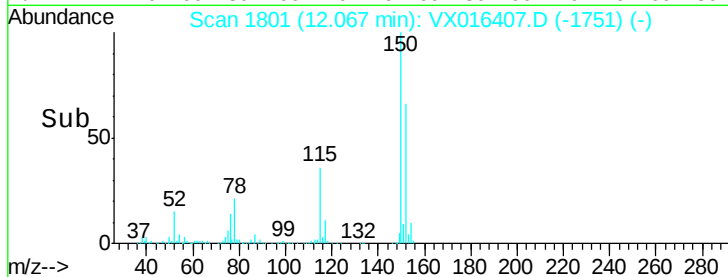
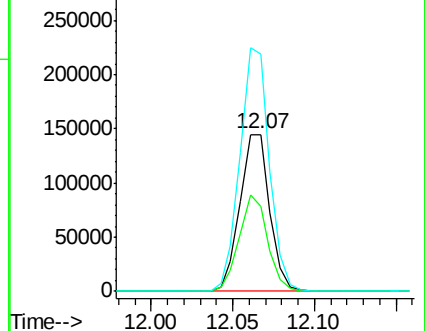
150 153.6 0.0 352.2



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



#74

N-ethyl acetate

Concen: 0.472 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Tgt Ion: 43 Resp: 2948

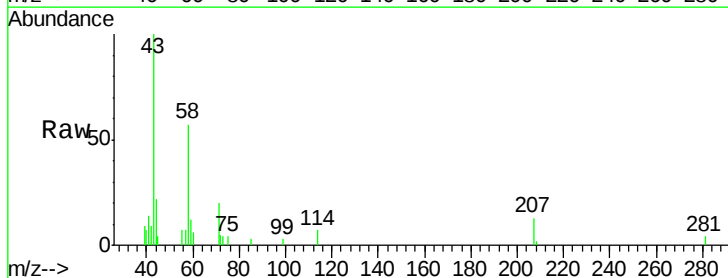
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 8.9 19.7 29.5#

61 0.0 20.9 31.3#

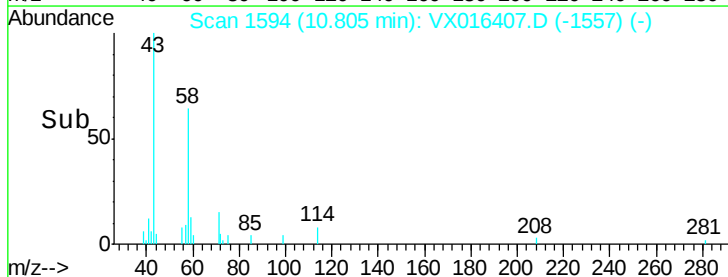
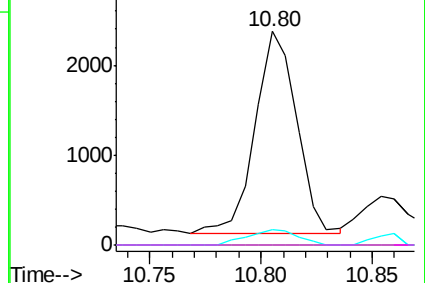


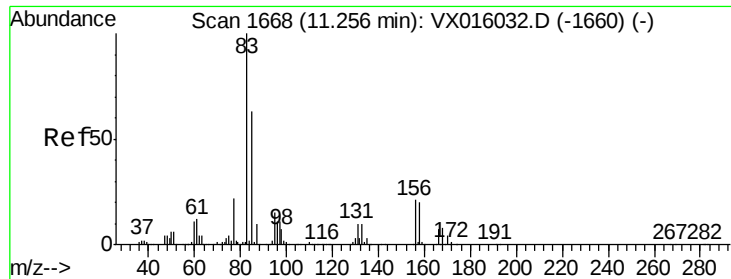
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.092 ug/l

RT: 11.11 min Scan# 1644

Delta R.T. -0.15 min

Lab File: VX016407.D

Acq: 22 May 2020 13:20

Instrument :

MSVOA_X

ClientSampled :

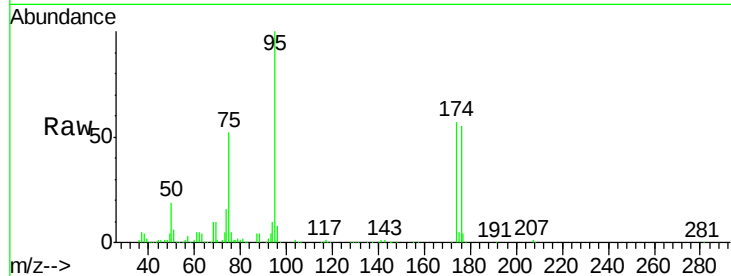
Tot Ion: 83 Resp: 108

Ion Ratio Lower Upper

83 100

131 232.4 5.1 15.4#

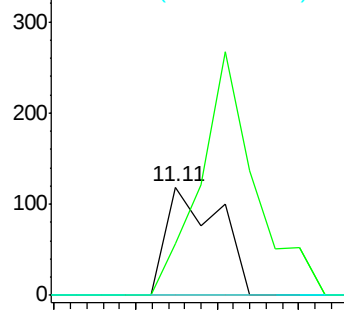
85 0.0 32.0 96.0#



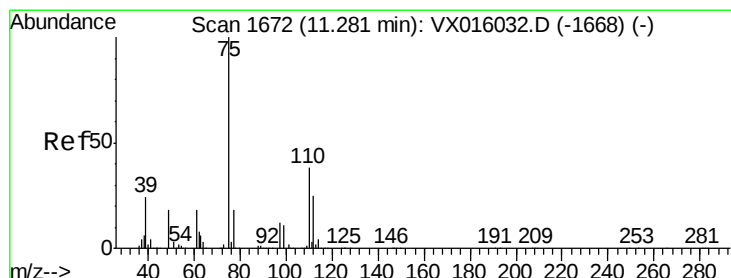
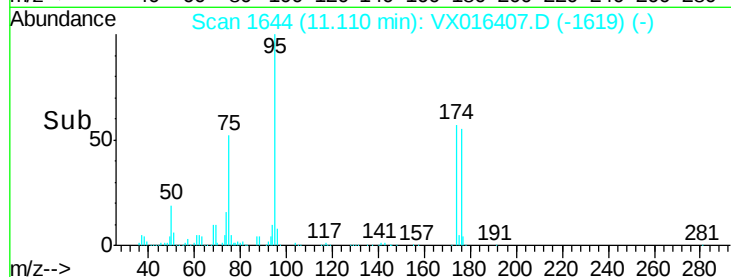
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time--> 11.08 11.10 11.12 11.14



#76

1,2,3-Trichloropropane

Concen: 20.412 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016407.D

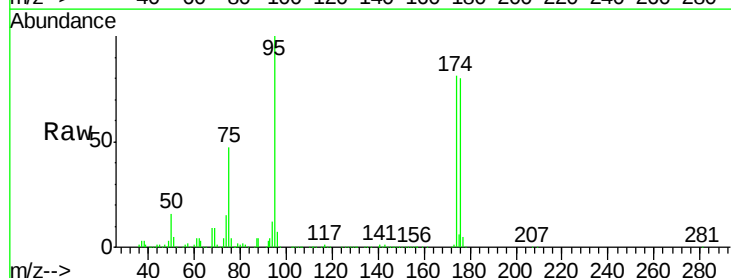
Acq: 22 May 2020 13:20

Tgt Ion: 75 Resp: 85299

Ion Ratio Lower Upper

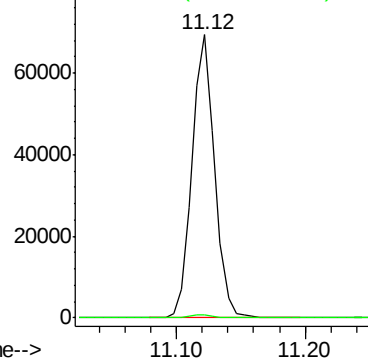
75 100

77 1.3 21.2 63.6#

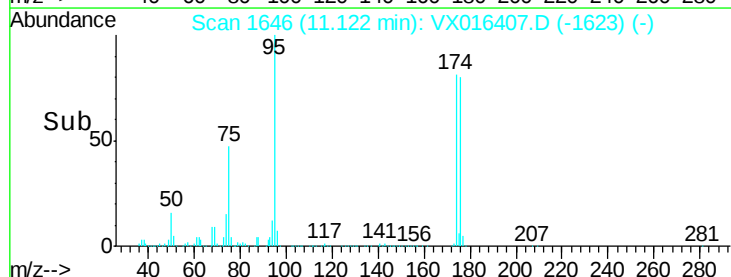


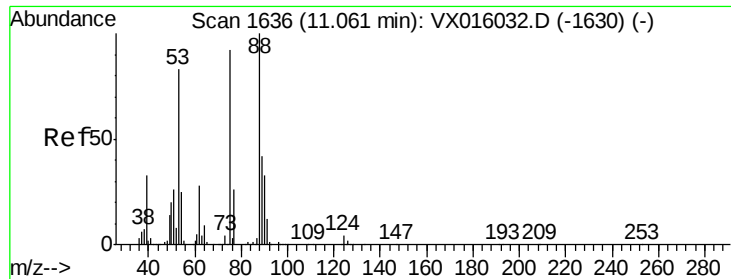
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.10 11.20





#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.644 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016407.D
 Acq: 22 May 2020 13:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 85299
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.1 36.7 55.1#

