

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016129.D
 Acq On : 08 May 2020 18:20
 Operator : JC/SP
 Sample : L2531-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 01:51:40 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	280768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	460818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	451780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234365	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	174432	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
35) Dibromofluoromethane	5.47	113	139185	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	8.70	98	569065	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.12	95	228066	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	

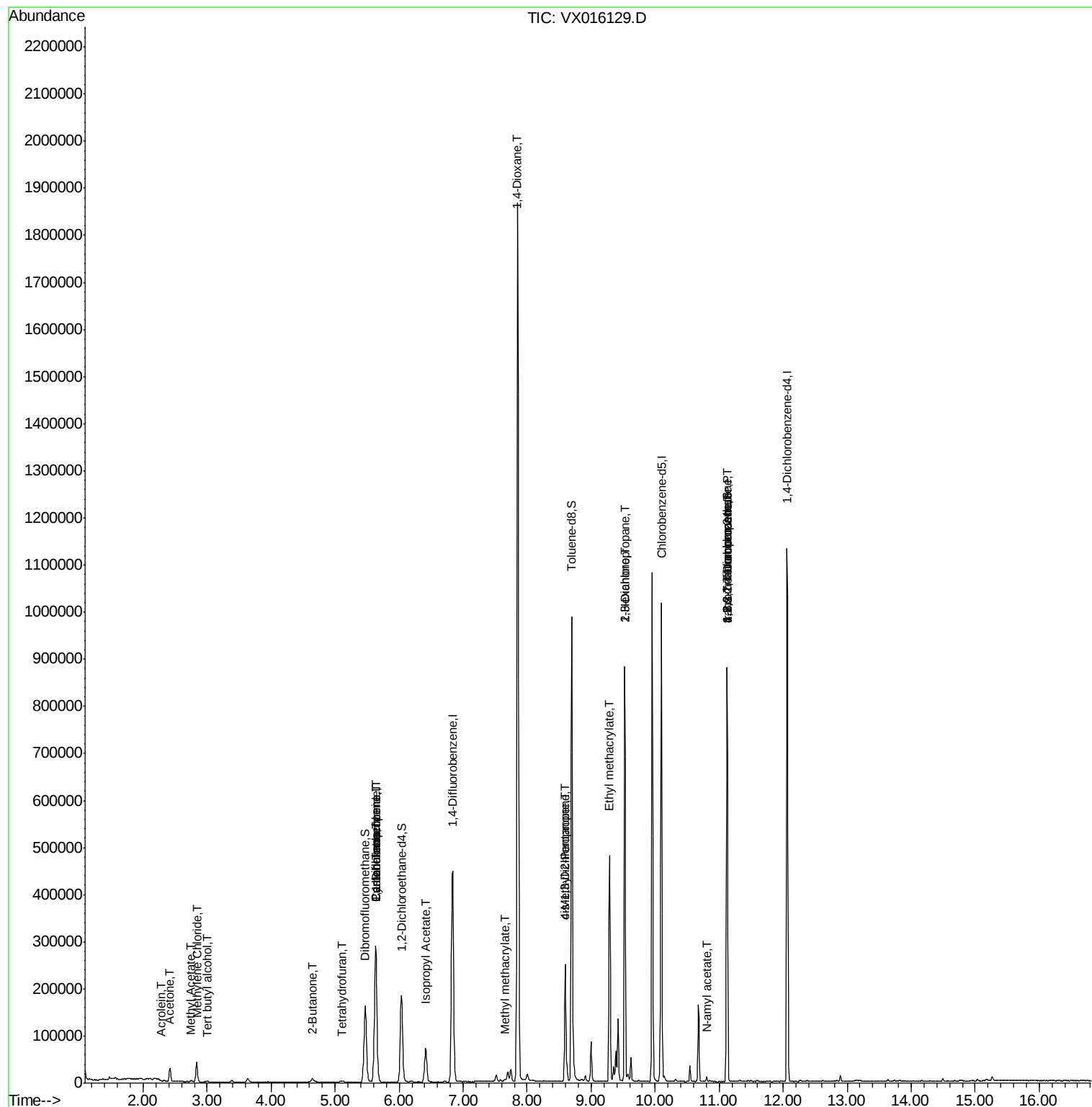
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	1399	1.497	ug/l #	93
13) Acrolein	2.28	56	195	0.334	ug/l #	53
16) Acetone	2.42	43	29009	17.597	ug/l	99
17) Carbon Disulfide	2.56	76	1292	Below Cal	#	79
18) Methyl Acetate	2.75	43	4053	1.000	ug/l	96
20) Methylene Chloride	2.84	84	18738	5.514	ug/l	95
25) 2-Butanone	4.64	43	7924	2.983	ug/l #	89
29) Tetrahydrofuran	5.10	42	2679	1.522	ug/l #	78
31) Cyclohexane	5.64	56	5562	1.084	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20987	4.627	ug/l #	49
38) Carbon Tetrachloride	5.64	117	26699	5.791	ug/l #	15
43) Isopropyl Acetate	6.42	43	96225	11.471	ug/l	99
48) Methyl methacrylate	7.65	41	5744	1.445	ug/l #	14
49) 1,4-Dioxane	7.84	88	374	3.923	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	91805	17.884	ug/l #	43
54) cis-1,3-Dichloropropene	8.60	75	41884	7.235	ug/l #	57
56) Ethyl methacrylate	9.29	69	1134	0.213	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	7327	1.290	ug/l #	47
59) 2-Hexanone	9.52	43	95537	23.699	ug/l #	49
74) N-amyl acetate	10.80	43	4812	0.605	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	11.12	83	169	2.102	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115017	21.627	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115017	51.538	ug/l #	13

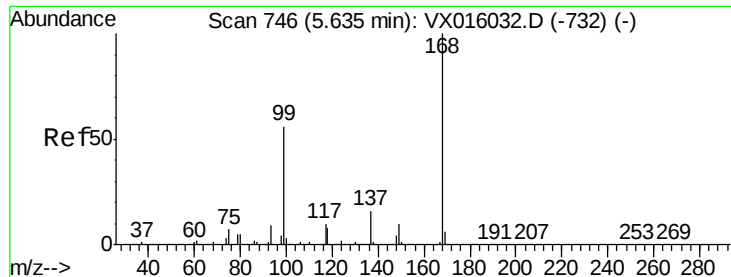
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
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: VX016129.D

Acq: 08 May 2020 18:20

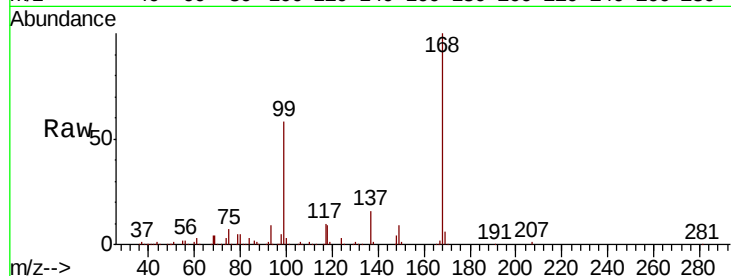
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 280768

Ion Ratio Lower Upper

168 100

99 58.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

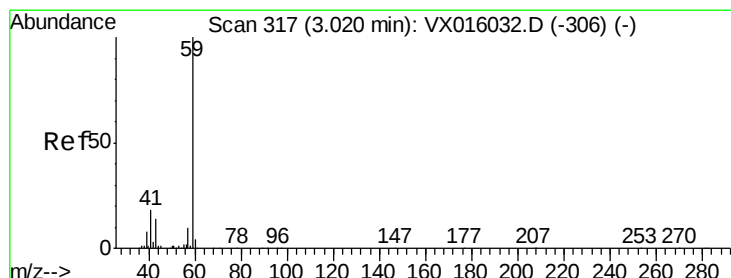
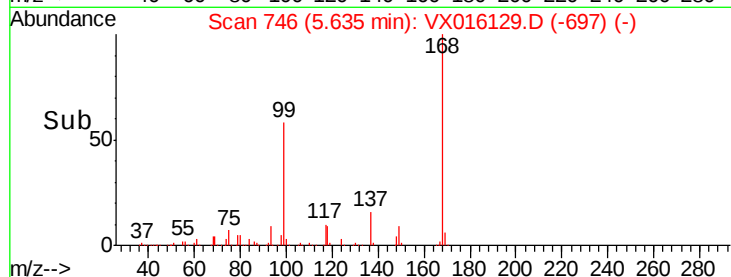
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.497 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016129.D

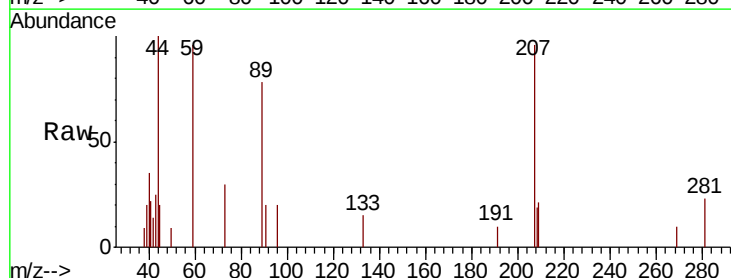
Acq: 08 May 2020 18:20

Tgt Ion: 59 Resp: 1399

Ion Ratio Lower Upper

59 100

57 7.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

600

500

400

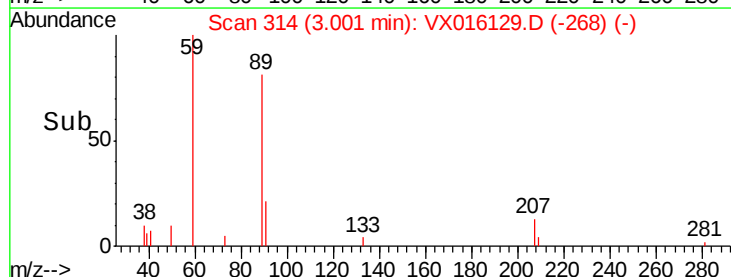
300

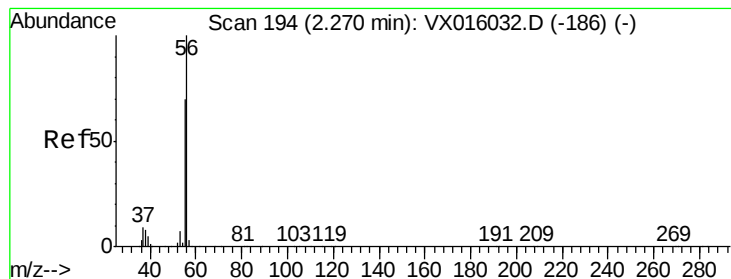
200

100

0

Time-->





#13

Acrolein

Concen: 0.334 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :

MSVOA_X

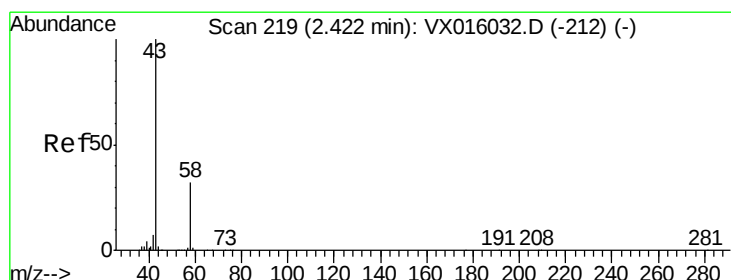
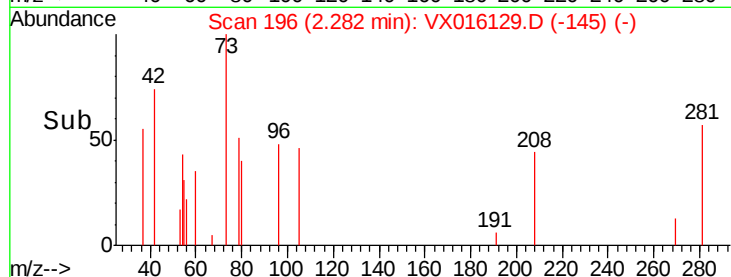
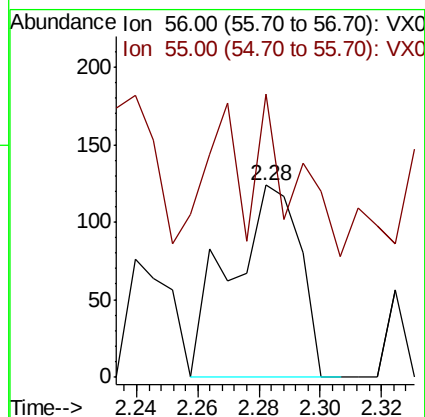
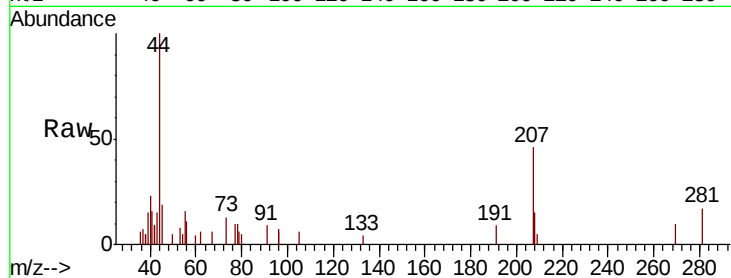
ClientSampleId :

Tot Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 31.8 56.5 84.7#



#16

Acetone

Concen: 17.597 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016129.D

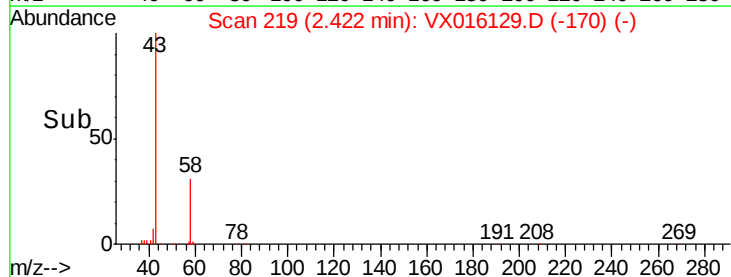
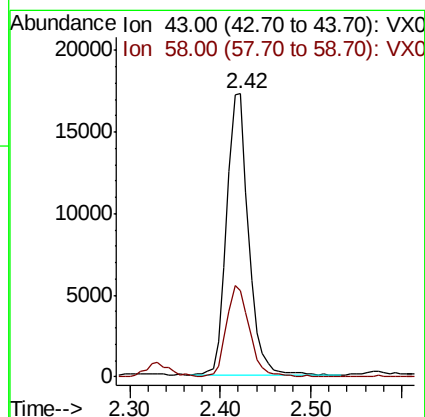
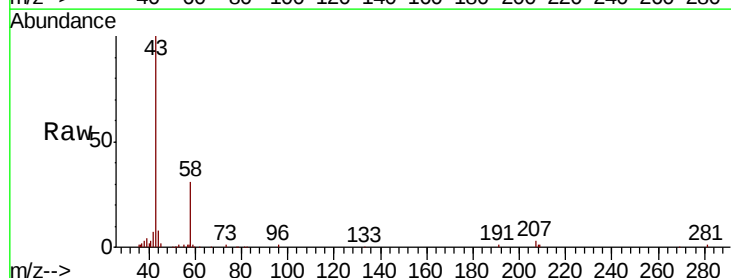
Acq: 08 May 2020 18:20

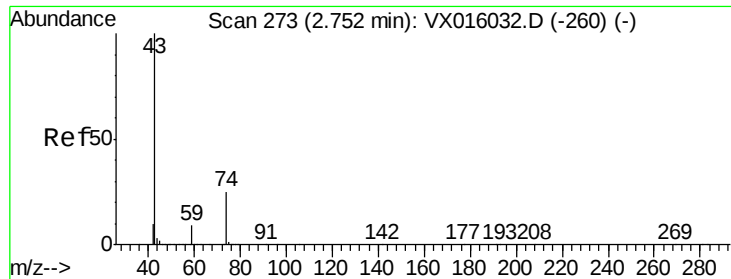
Tgt Ion: 43 Resp: 29009

Ion Ratio Lower Upper

43 100

58 30.9 25.4 38.0

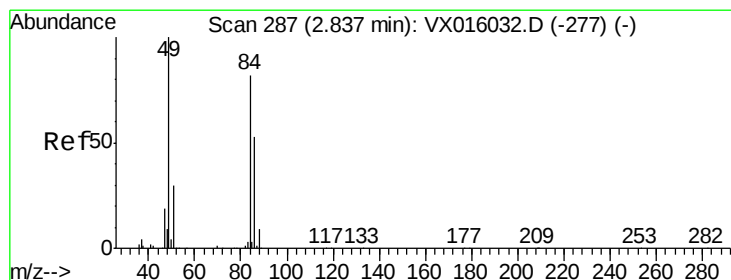
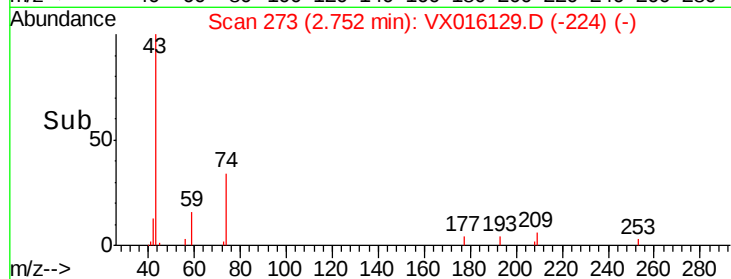
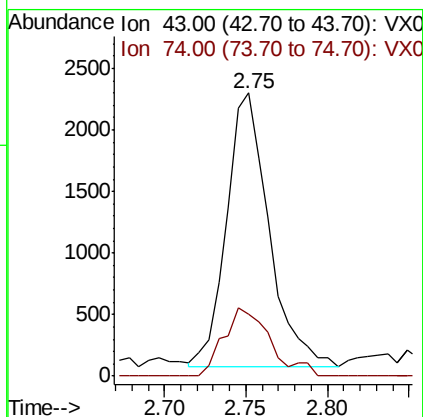
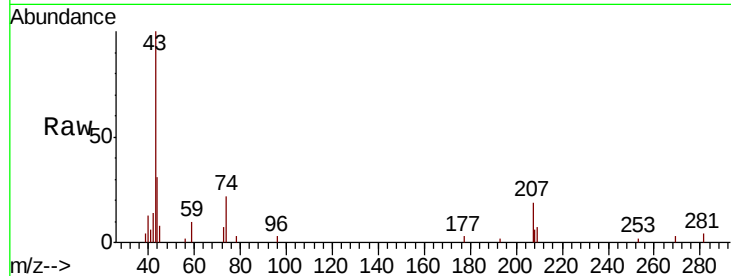




#18
Methvl Acetate
Concen: 1.000 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016129.D
Acq: 08 May 2020 18:20

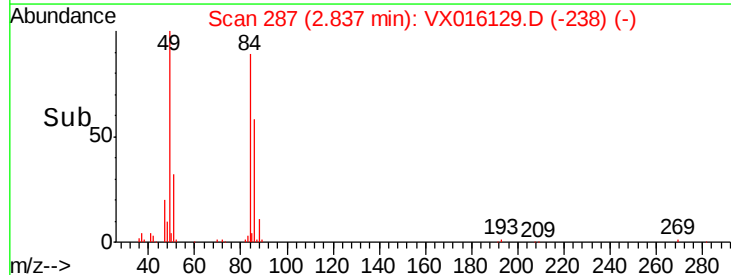
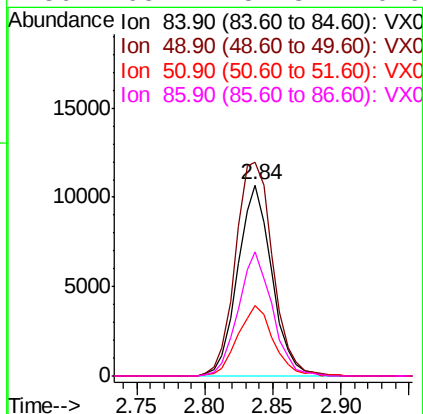
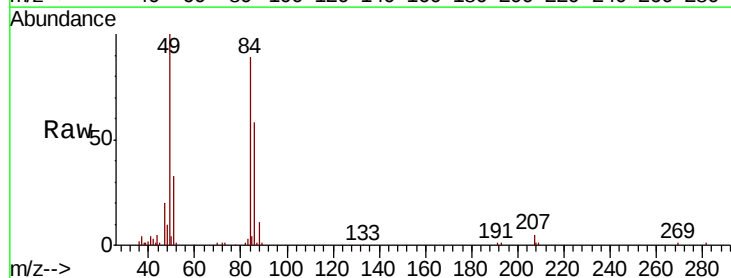
Instrument :
MSVOA_X
ClientSampled :

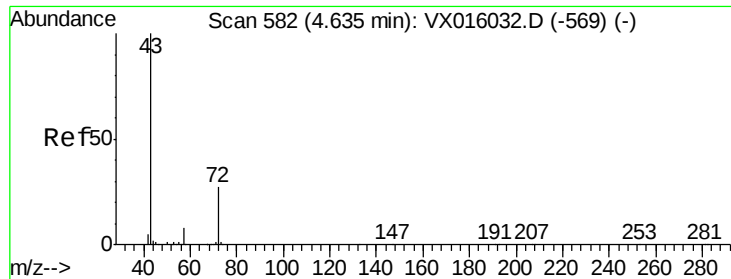
Tot Ion: 43 Resp: 4053
Ion Ratio Lower Upper
43 100
74 27.3 20.2 30.2



#20
Methylene Chloride
Concen: 5.514 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016129.D
Acq: 08 May 2020 18:20

Tgt Ion: 84 Resp: 18738
Ion Ratio Lower Upper
84 100
49 111.9 97.3 145.9
51 37.0 29.3 43.9
86 65.4 51.3 76.9





#25

2-Butanone

Concen: 2.983 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :

MSVOA_X

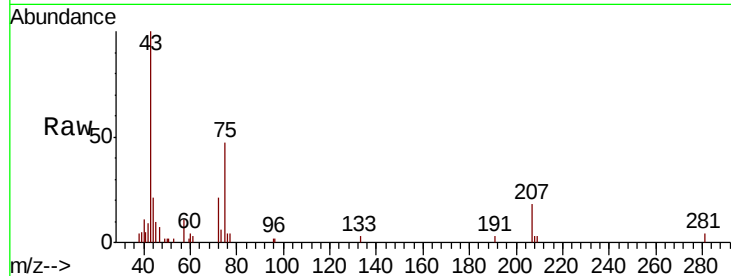
ClientSampleId :

Tot Ion: 43 Resp: 7924

Ion Ratio Lower Upper

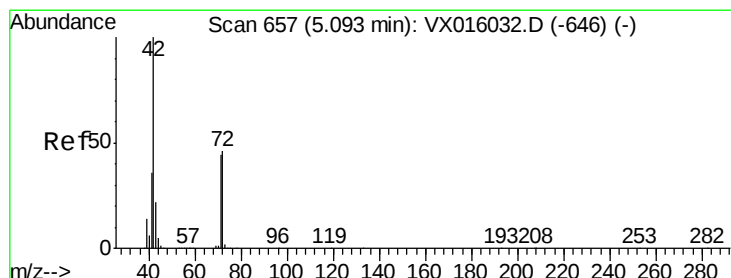
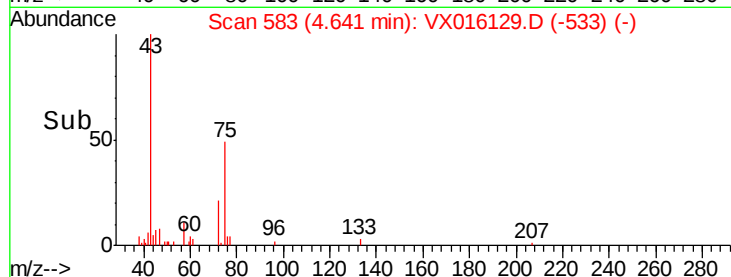
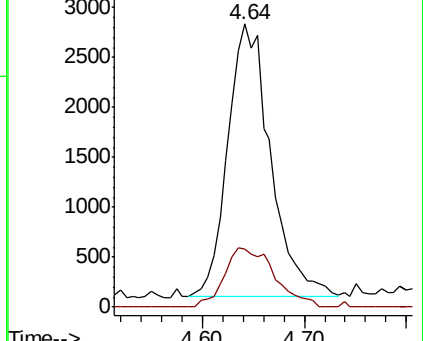
43 100

72 21.4 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.522 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

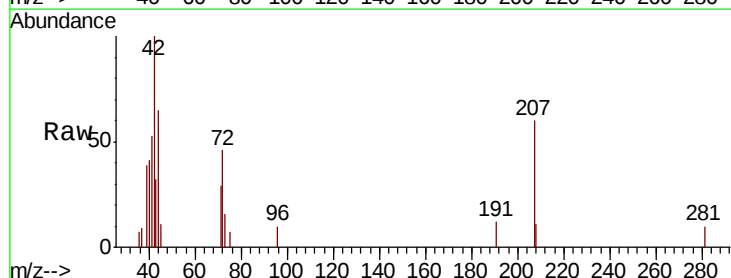
Tgt Ion: 42 Resp: 2679

Ion Ratio Lower Upper

42 100

72 23.3 37.1 55.7#

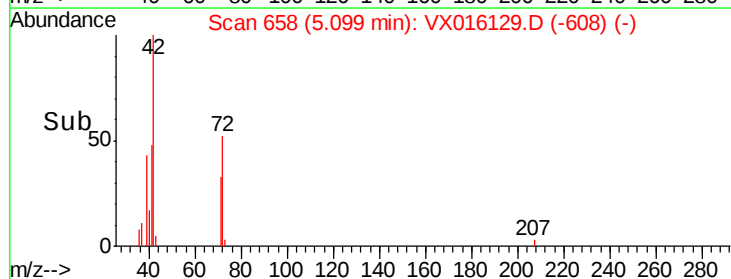
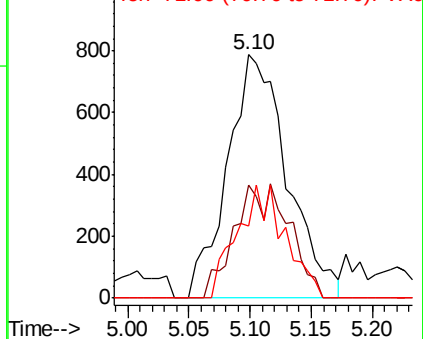
71 37.2 34.5 51.7

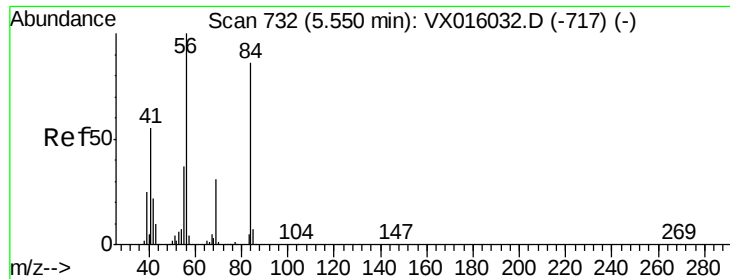


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

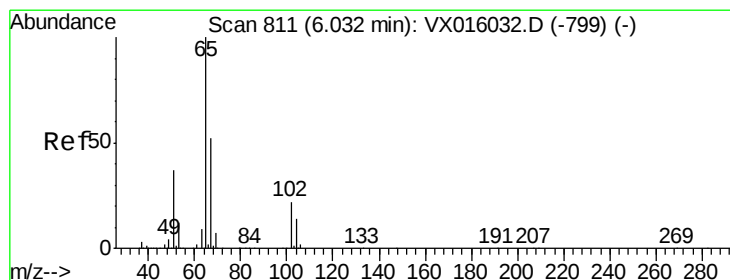
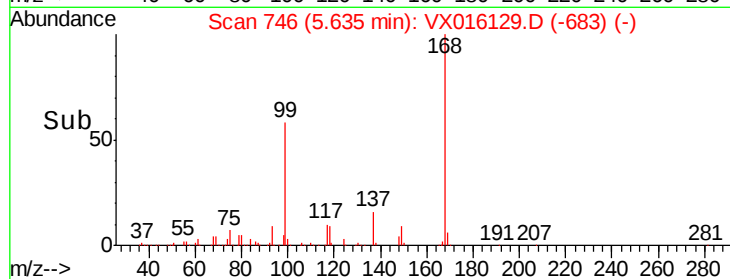
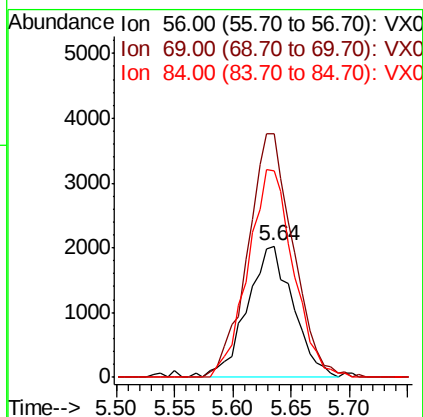
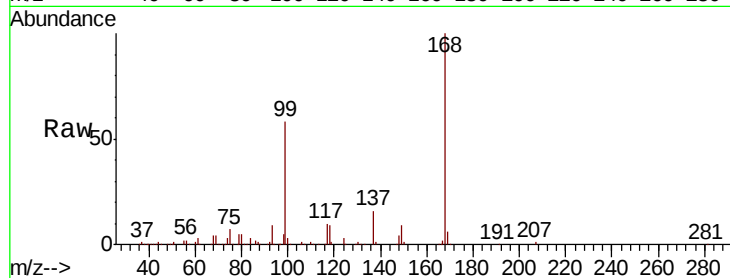




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016129.D
Acq: 08 May 2020 18:20

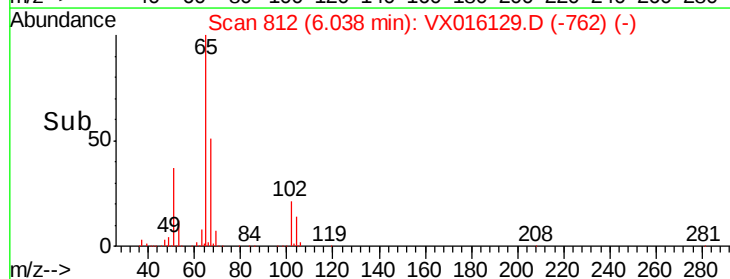
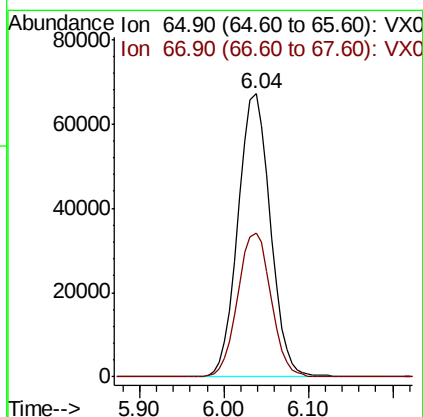
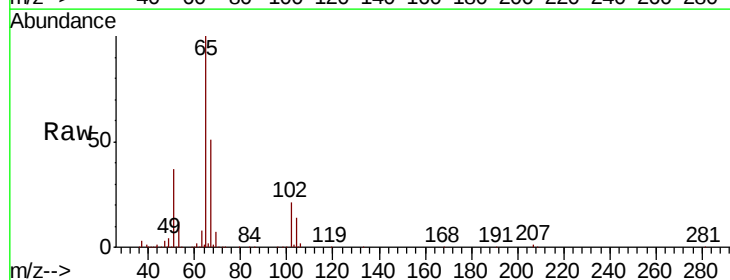
Instrument :
MSVOA_X
ClientSampleId :

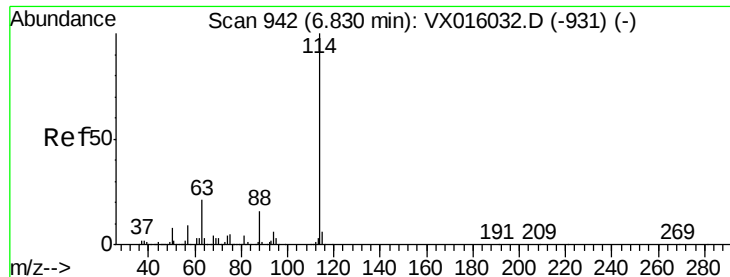
Tot Ion: 56 Resp: 5562
Ion Ratio Lower Upper
56 100
69 185.6 25.0 37.6#
84 157.6 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 47.212 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016129.D
Acq: 08 May 2020 18:20

Tgt Ion: 65 Resp: 174432
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

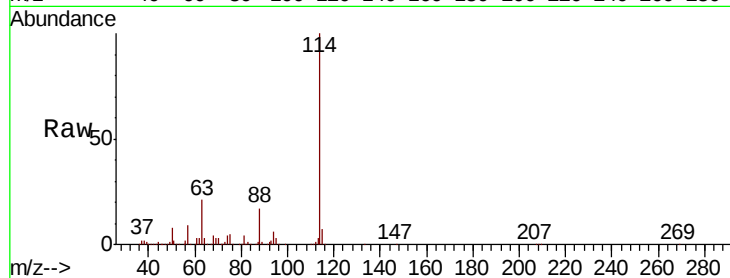
Tot Ion:114 Resp: 460818

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

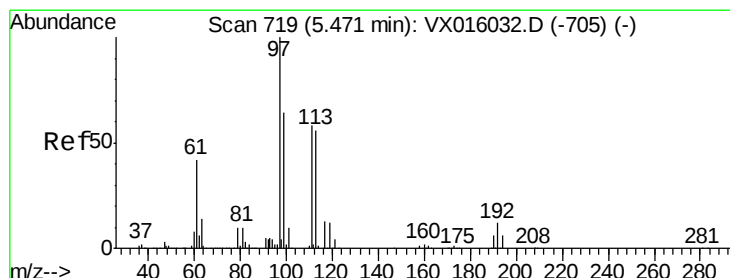
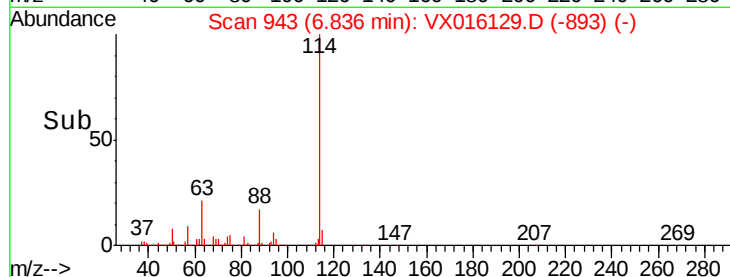
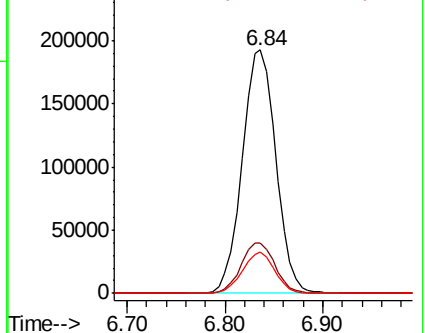
88 16.8 0.0 31.4



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: 47.675 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

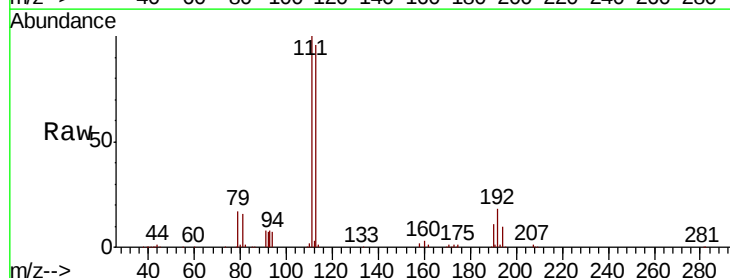
Tgt Ion:113 Resp: 139185

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

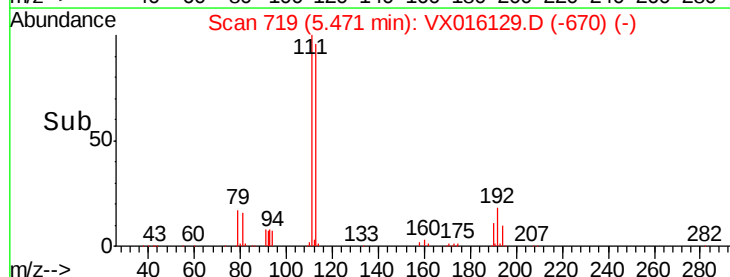
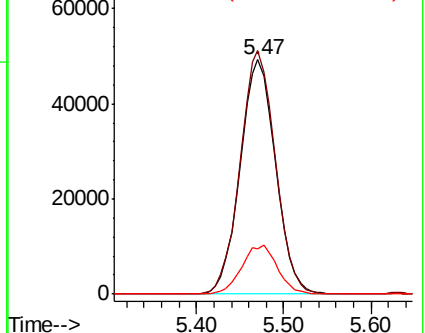
192 21.0 17.0 25.4

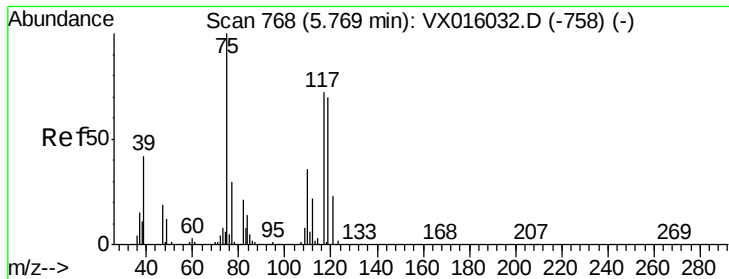


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.627 ug/l

RT: 5.63 min Scan# 745

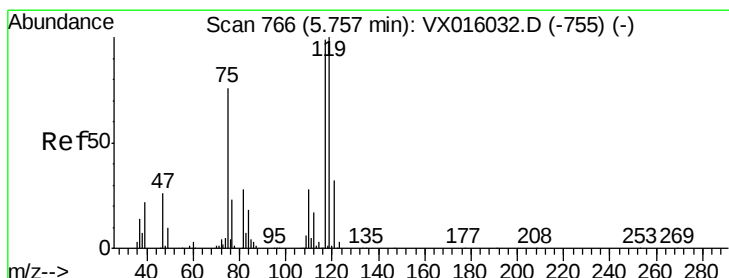
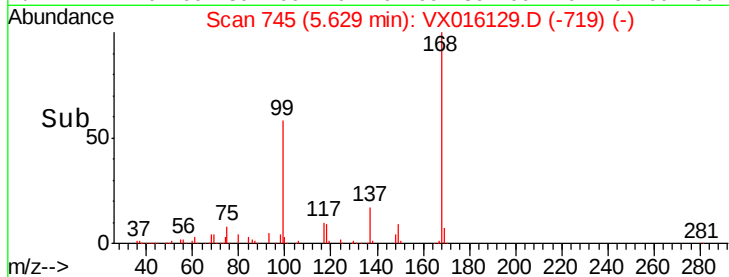
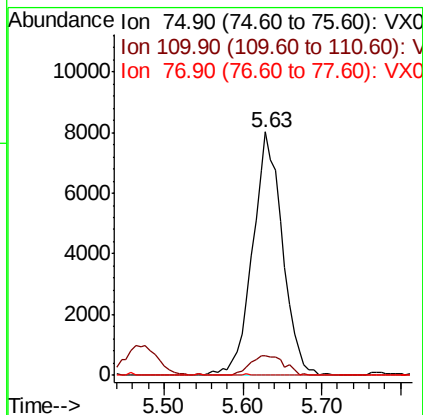
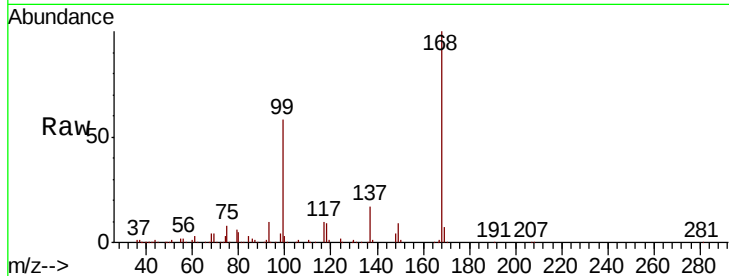
Delta R.T. -0.14 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	20987
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.1#
77	0.0	25.0	37.6#



#38

Carbon Tetrachloride

Concen: 5.791 ug/l

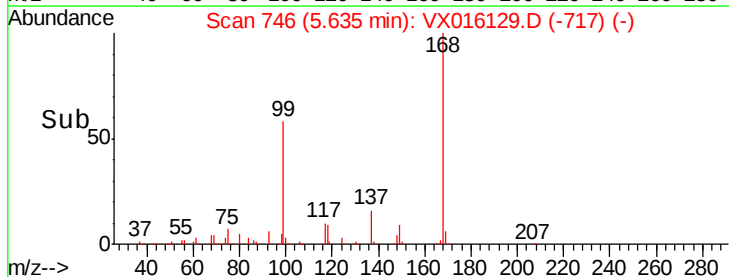
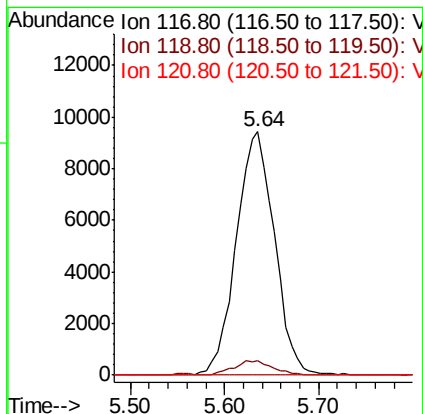
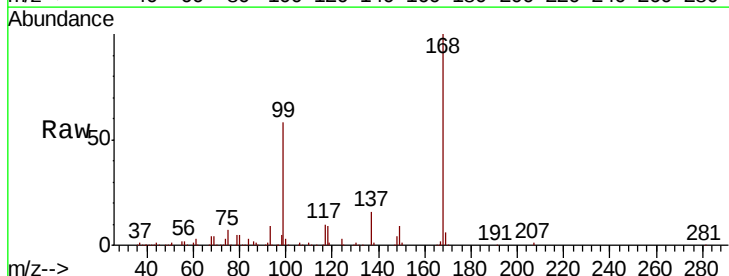
RT: 5.64 min Scan# 746

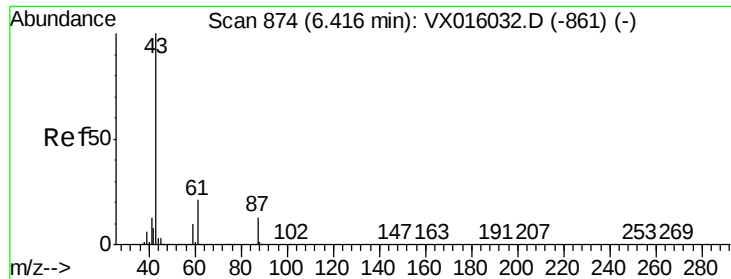
Delta R.T. -0.12 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Tgt Ion:	117	Resp:	26699
Ion	Ratio	Lower	Upper
117	100		
119	5.9	80.3	120.5#
121	0.0	25.7	38.5#



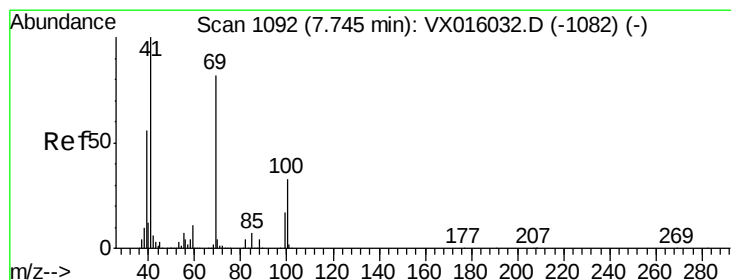
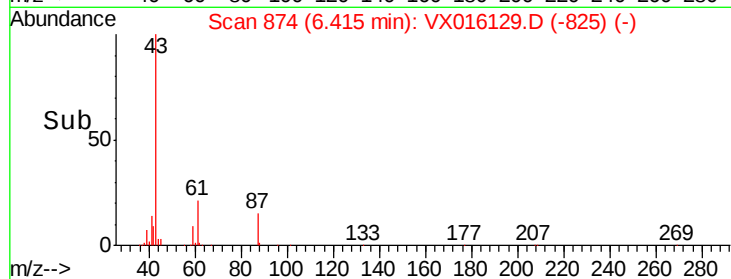
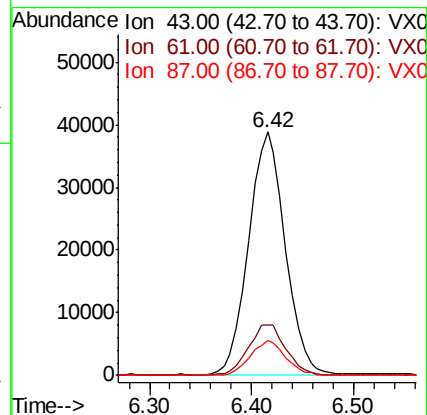
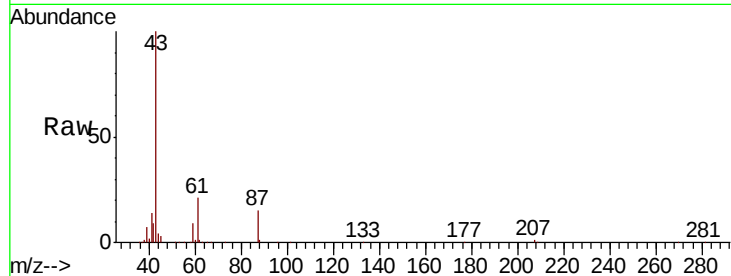


#43

Isopropyl Acetate
 Concen: 11.471 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016129.D
 Acq: 08 May 2020 18:20

Instrument :
 MSVOA_X
 ClientSampled :

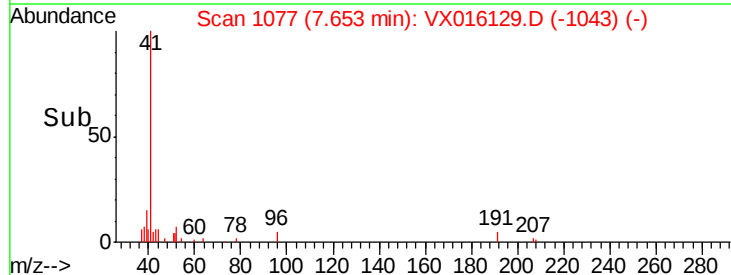
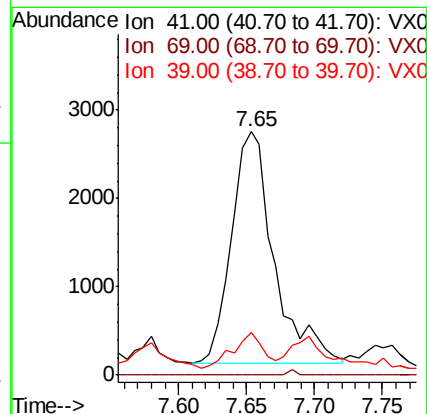
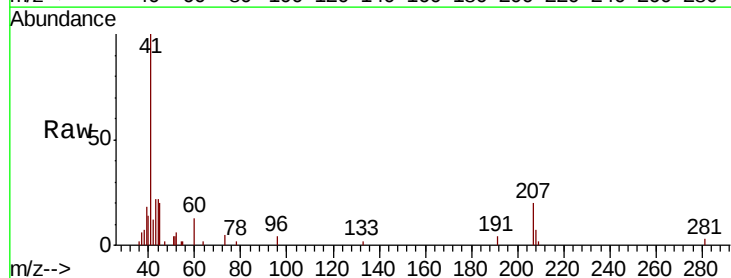
Tot Ion	43	Resp	96225
Ion Ratio	100	Lower	Upper
61	21.6	17.0	25.4
87	14.1	11.0	16.6

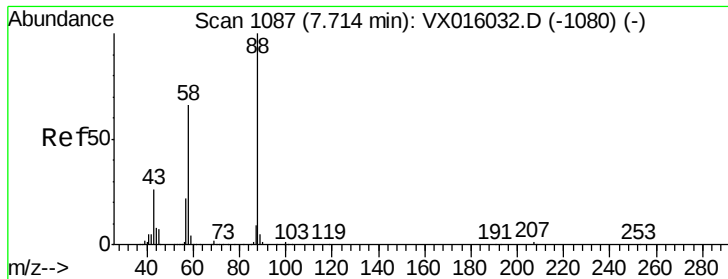


#48

Methyl methacrylate
 Concen: 1.445 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.09 min
 Lab File: VX016129.D
 Acq: 08 May 2020 18:20

Tgt Ion	41	Resp	5744
Ion Ratio	100	Lower	Upper
69	0.0	67.8	101.6#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 3.923 ug/l

RT: 7.84 min Scan# 1108

Delta R.T. 0.13 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

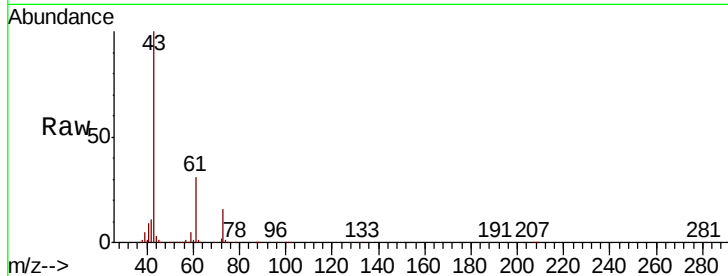
Tot Ion: 88 Resp: 374

Ion Ratio Lower Upper

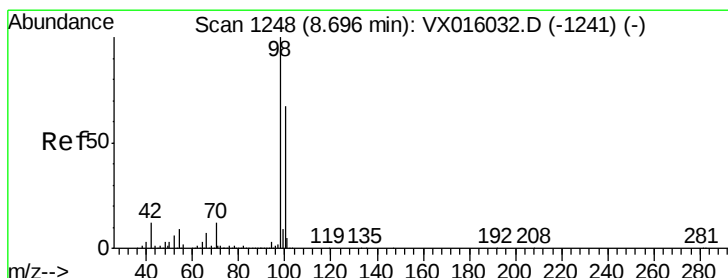
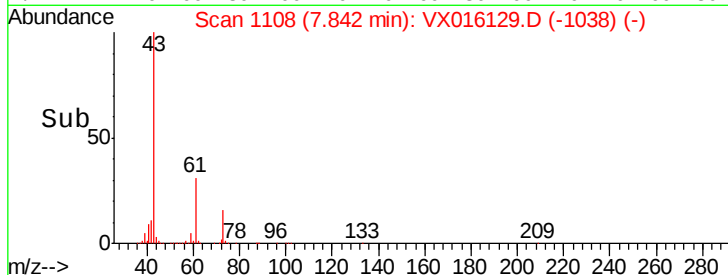
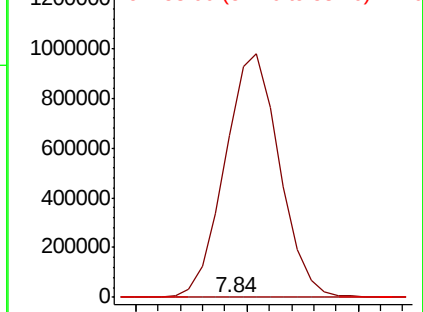
88 100

43 446363.1 25.3 37.9#

58 1902.1 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: 50.588 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016129.D

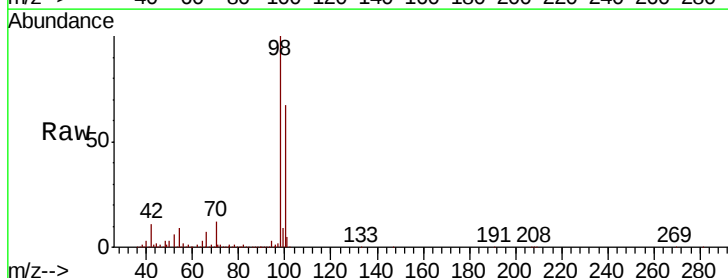
Acq: 08 May 2020 18:20

Tgt Ion: 98 Resp: 569065

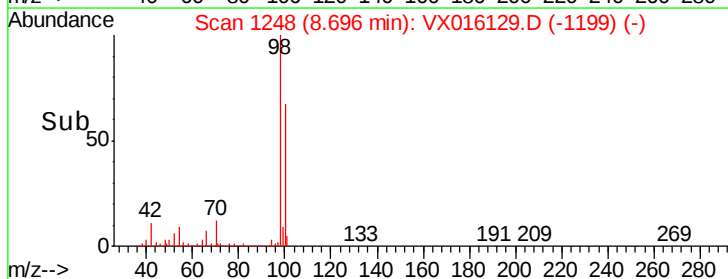
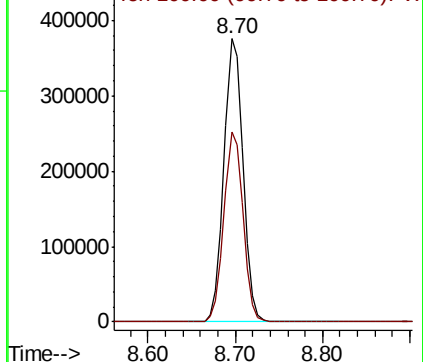
Ion Ratio Lower Upper

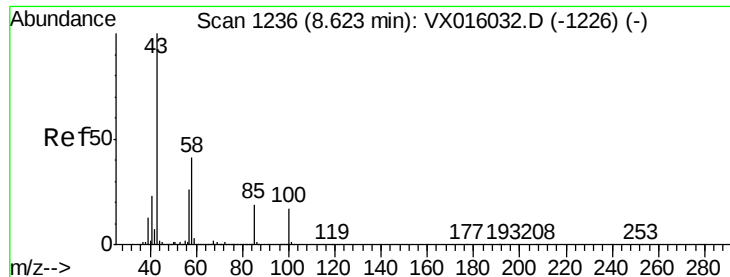
98 100

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): V





#51

4-Methyl-2-Pentanone

Concen: 17.884 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :

MSVOA_X

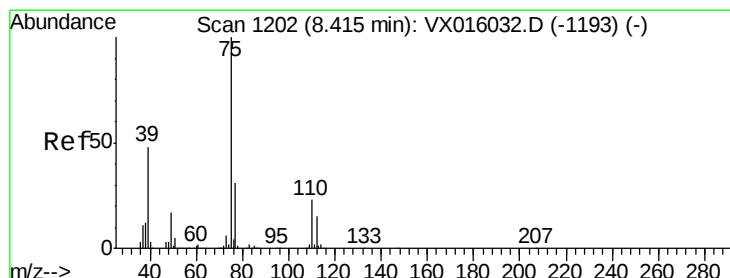
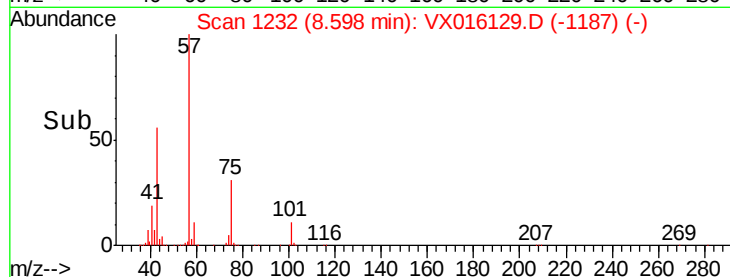
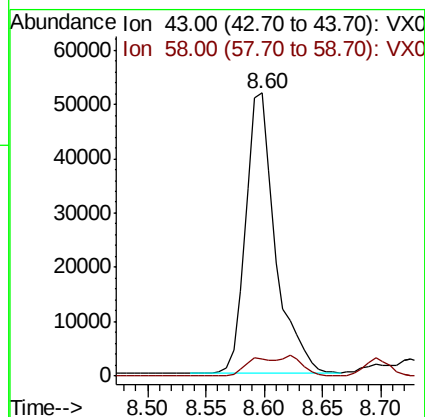
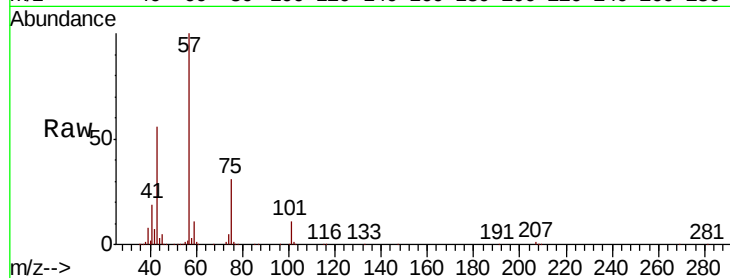
ClientSampleId :

Tot Ion: 43 Resp: 91805

Ion Ratio Lower Upper

43 100

58 5.5 33.0 49.4#



#54

cis-1,3-Dichloropropene

Concen: 7.235 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

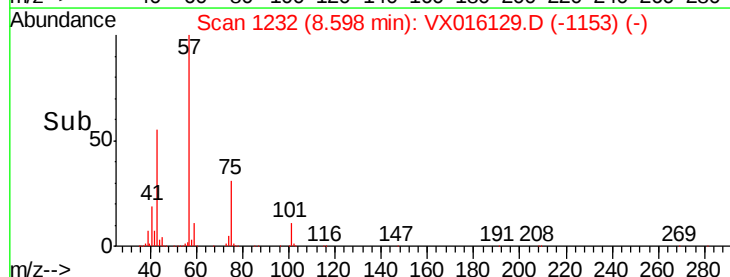
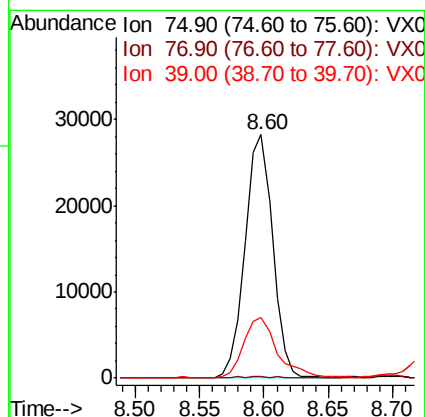
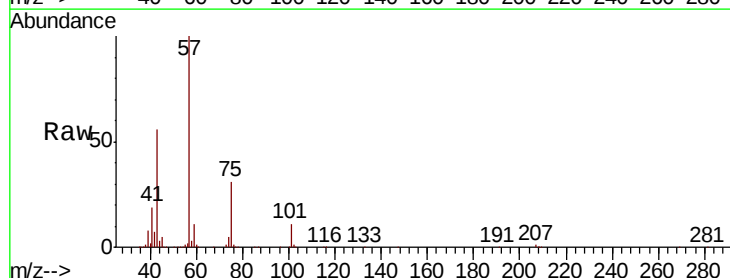
Tgt Ion: 75 Resp: 41884

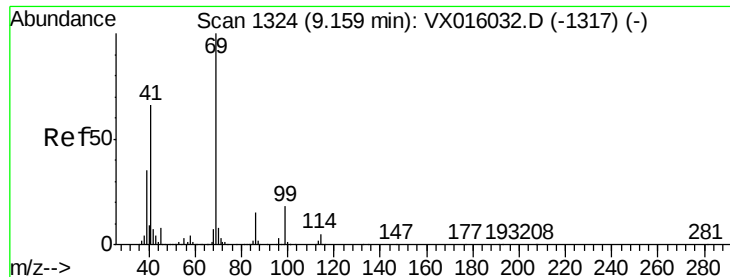
Ion Ratio Lower Upper

75 100

77 0.5 24.7 37.1#

39 24.4 38.7 58.1#





#56

Ethyl methacrylate

Concen: 0.213 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :
MSVOA_X
ClientSampleId :

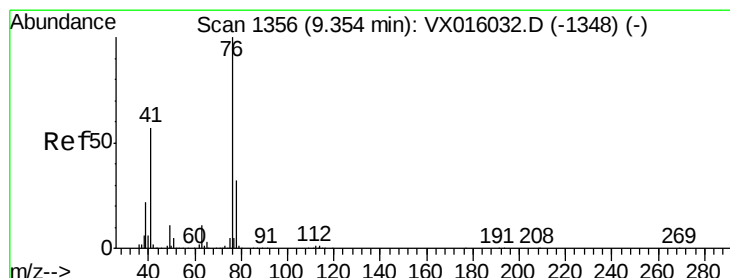
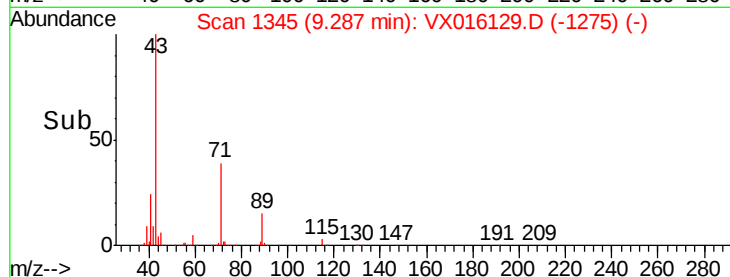
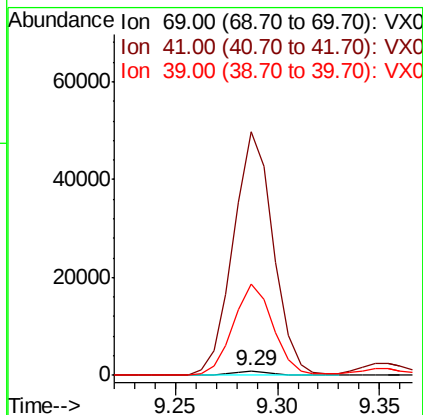
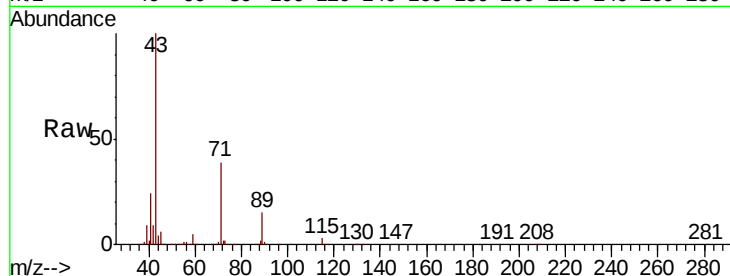
Tot Ion: 69 Resp: 1134

Ion Ratio Lower Upper

69 100

41 5966.6 52.2 78.4#

39 2260.9 28.2 42.4#



#57

1,3-Dichloropropane

Concen: 1.290 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016129.D

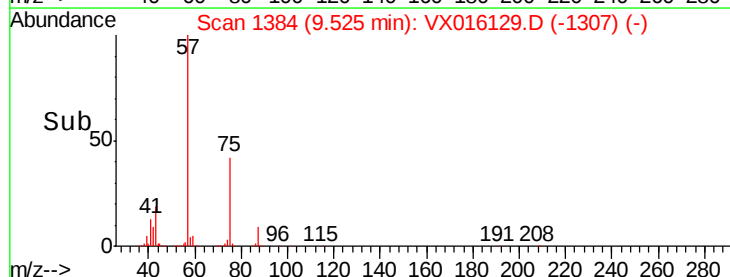
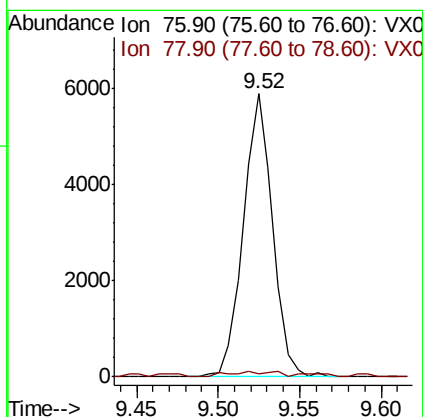
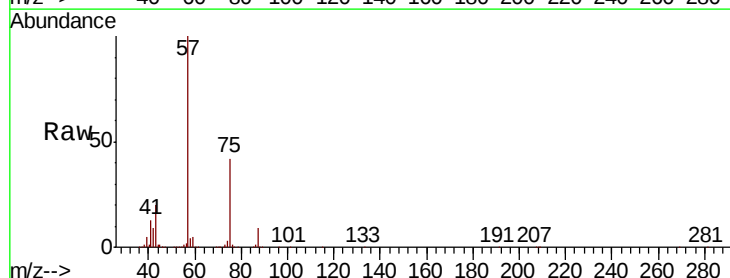
Acq: 08 May 2020 18:20

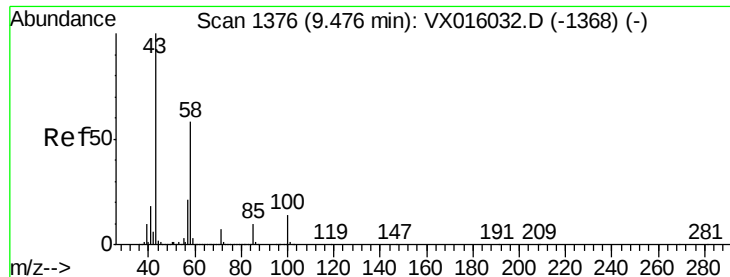
Tgt Ion: 76 Resp: 7327

Ion Ratio Lower Upper

76 100

78 2.9 25.9 38.9#

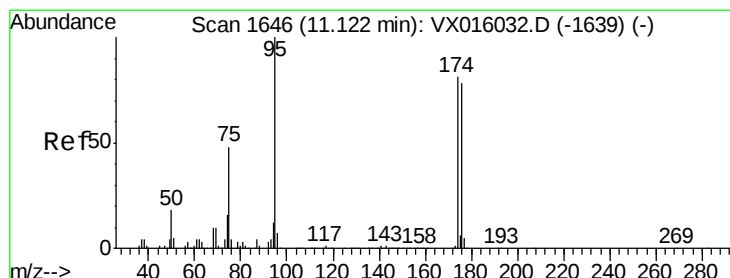
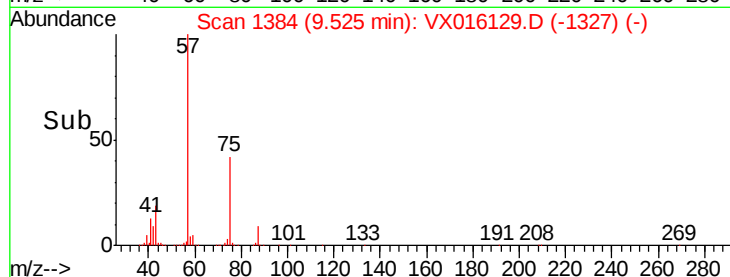
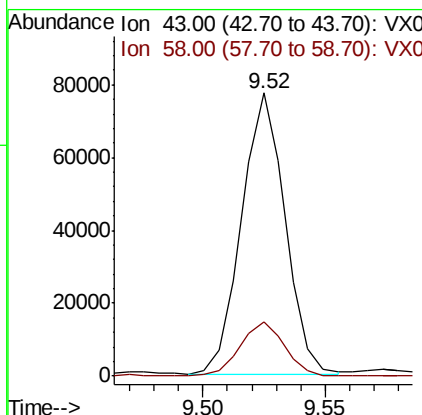
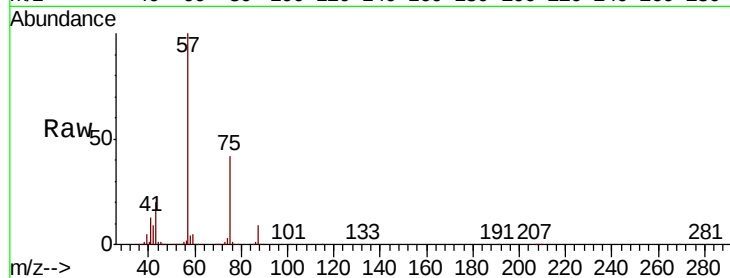




#59
2-Hexanone
Concen: 23.699 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX016129.D
Acq: 08 May 2020 18:20

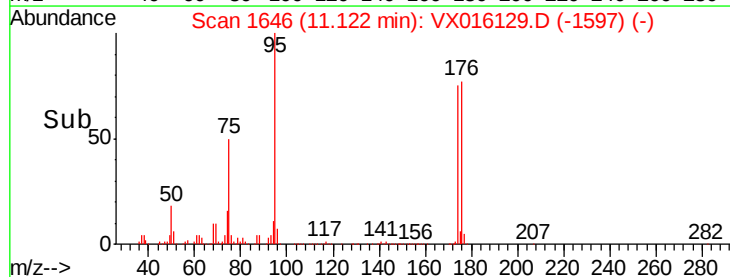
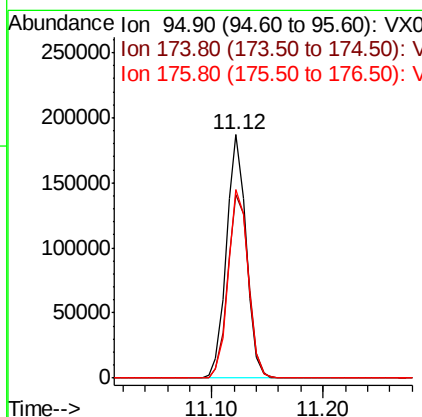
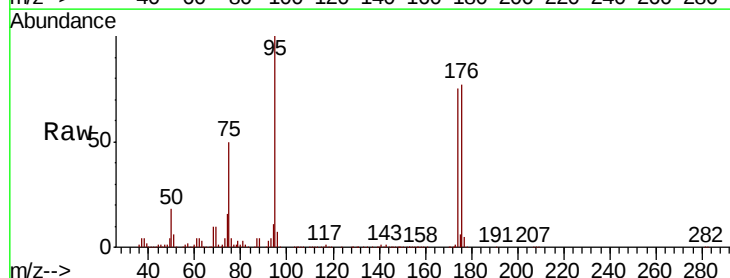
Instrument :
MSVOA_X
ClientSampleId :

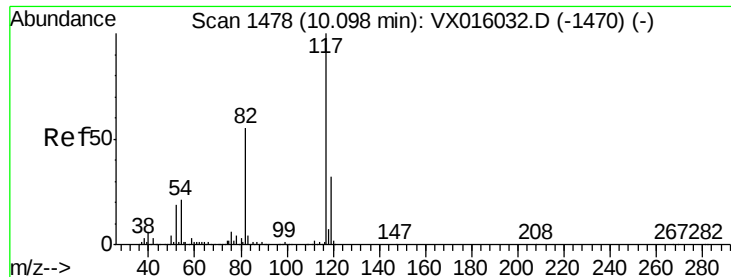
Tot Ion: 43 Resp: 95537
Ion Ratio Lower Upper
43 100
58 19.7 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 53.304 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016129.D
Acq: 08 May 2020 18:20

Tgt Ion: 95 Resp: 228066
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.4
176 78.5 0.0 157.6

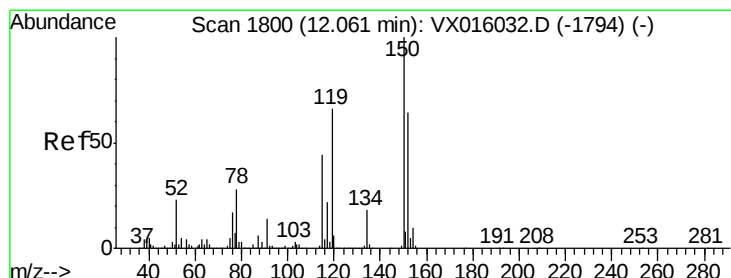
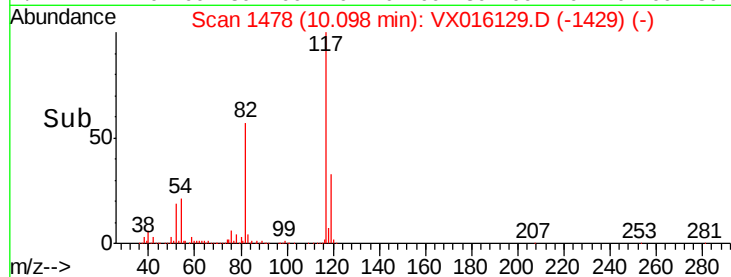
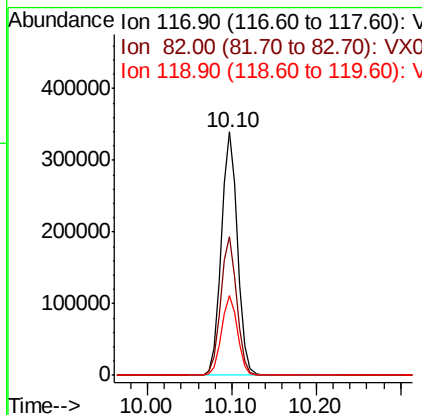
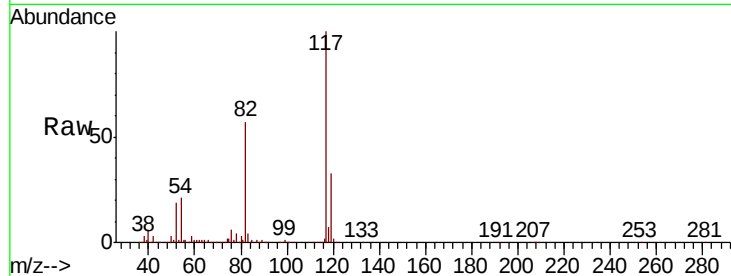




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016129.D
Acq: 08 May 2020 18:20

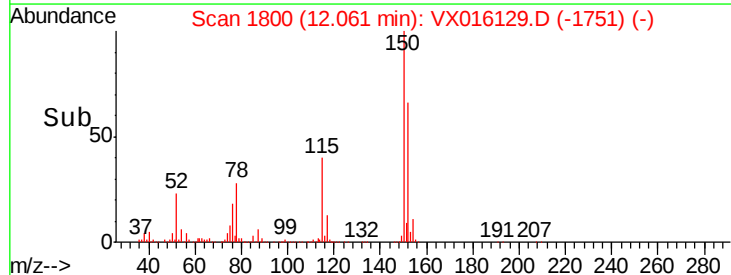
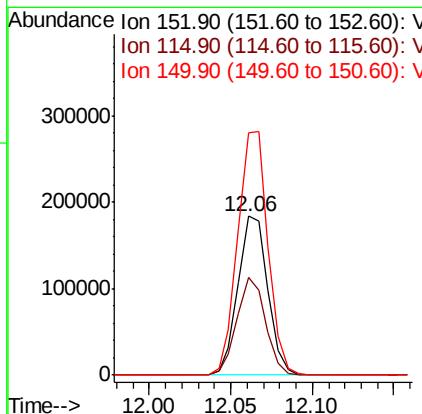
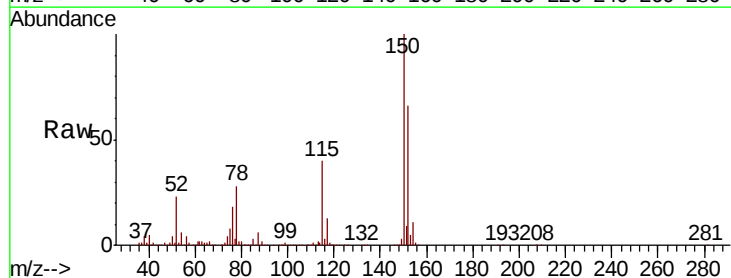
Instrument :
MSVOA_X
ClientSampled :

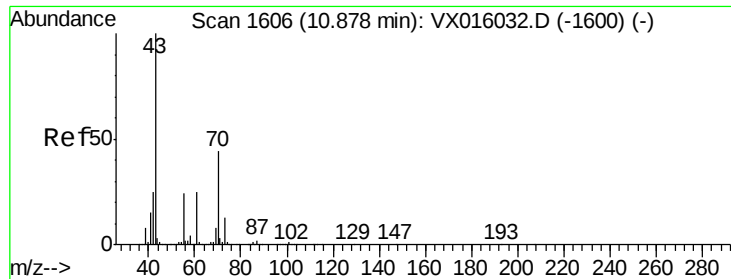
Tot Ion:117 Resp: 451780
Ion Ratio Lower Upper
117 100
82 56.9 44.4 66.6
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016129.D
Acq: 08 May 2020 18:20

Tgt Ion:152 Resp: 234365
Ion Ratio Lower Upper
152 100
115 59.0 41.3 124.1
150 155.7 0.0 352.2





#74

N-amvl acetate

Concen: 0.605 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 4812

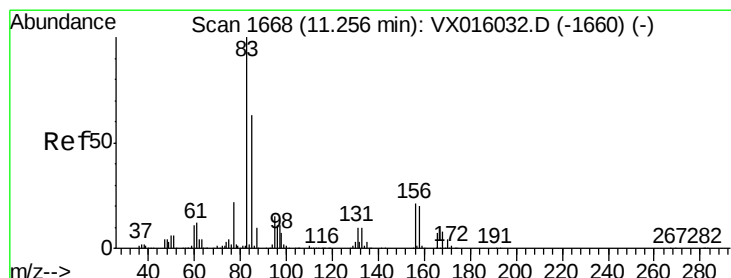
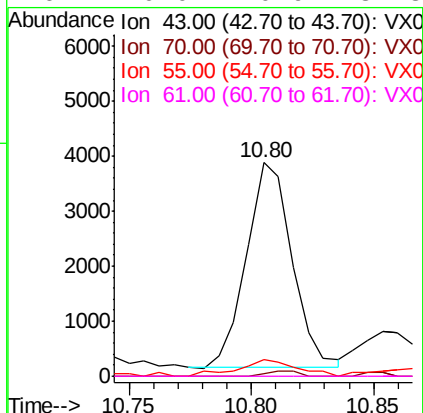
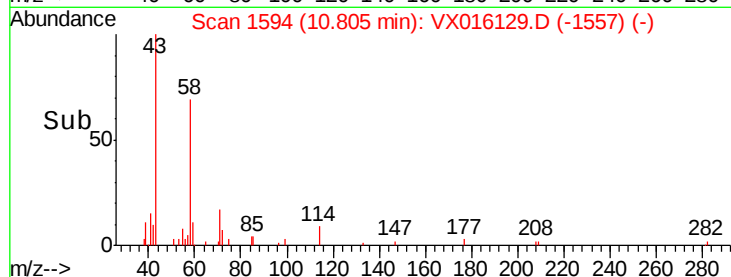
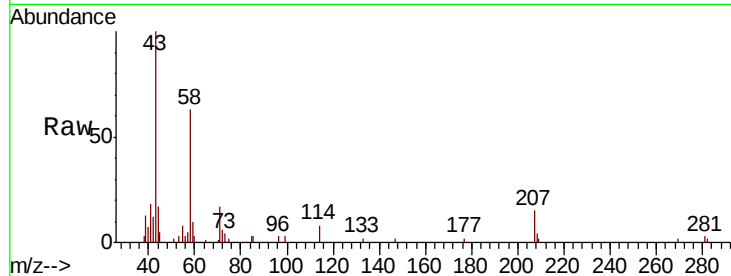
Ion Ratio Lower Upper

43 100

70 1.7 36.5 54.7#

55 10.0 19.7 29.5#

61 0.0 20.9 31.3#



#75

1,1,2,2-Tetrachloroethane

Concen: 2.102 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

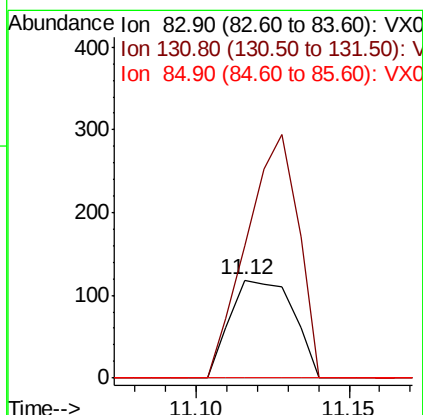
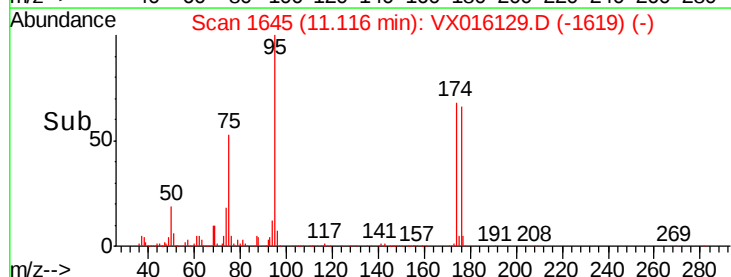
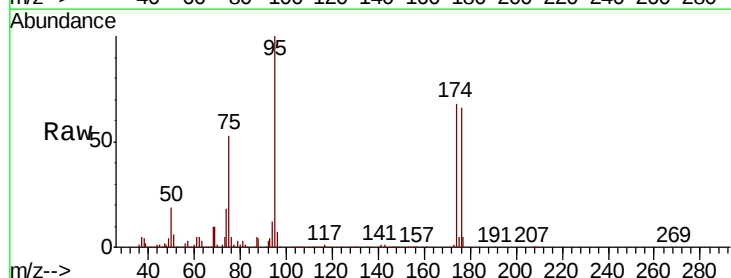
Tgt Ion: 83 Resp: 169

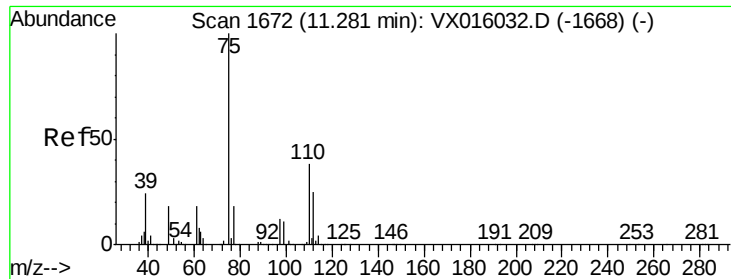
Ion Ratio Lower Upper

83 100

131 205.3 5.1 15.4#

85 0.0 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 21.627 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Instrument :

MSVOA_X

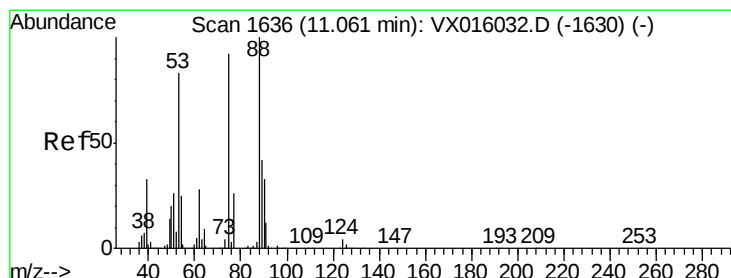
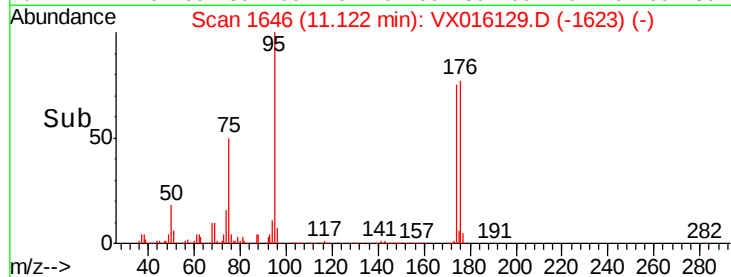
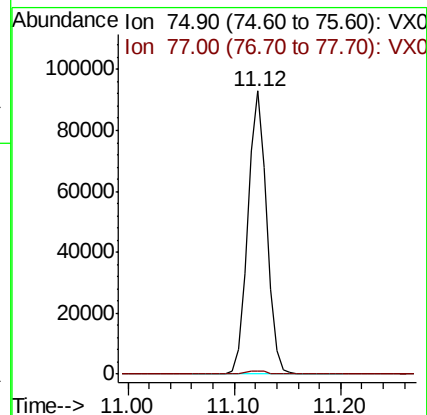
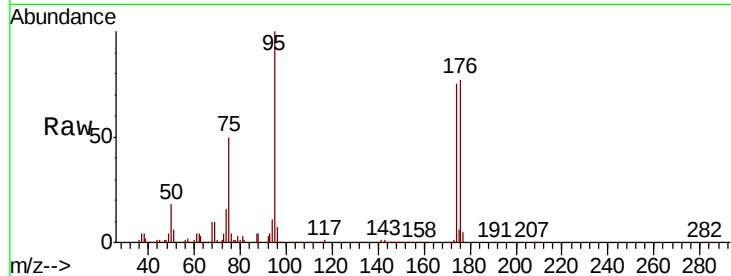
ClientSampleId :

Tot Ion: 75 Resp: 115017

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.538 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016129.D

Acq: 08 May 2020 18:20

Tgt Ion: 75 Resp: 115017

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.1 36.7 55.1#

