

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051120\
 Data File : VX016154.D
 Acq On : 11 May 2020 17:12
 Operator : JC/SP
 Sample : PB128761ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB128761ZHE#04

Quant Time: May 12 06:59:50 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	288316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	479495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	473004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242297	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	174903	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
35) Dibromofluoromethane	5.47	113	143204	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	8.70	98	592527	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.12	95	237702	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	

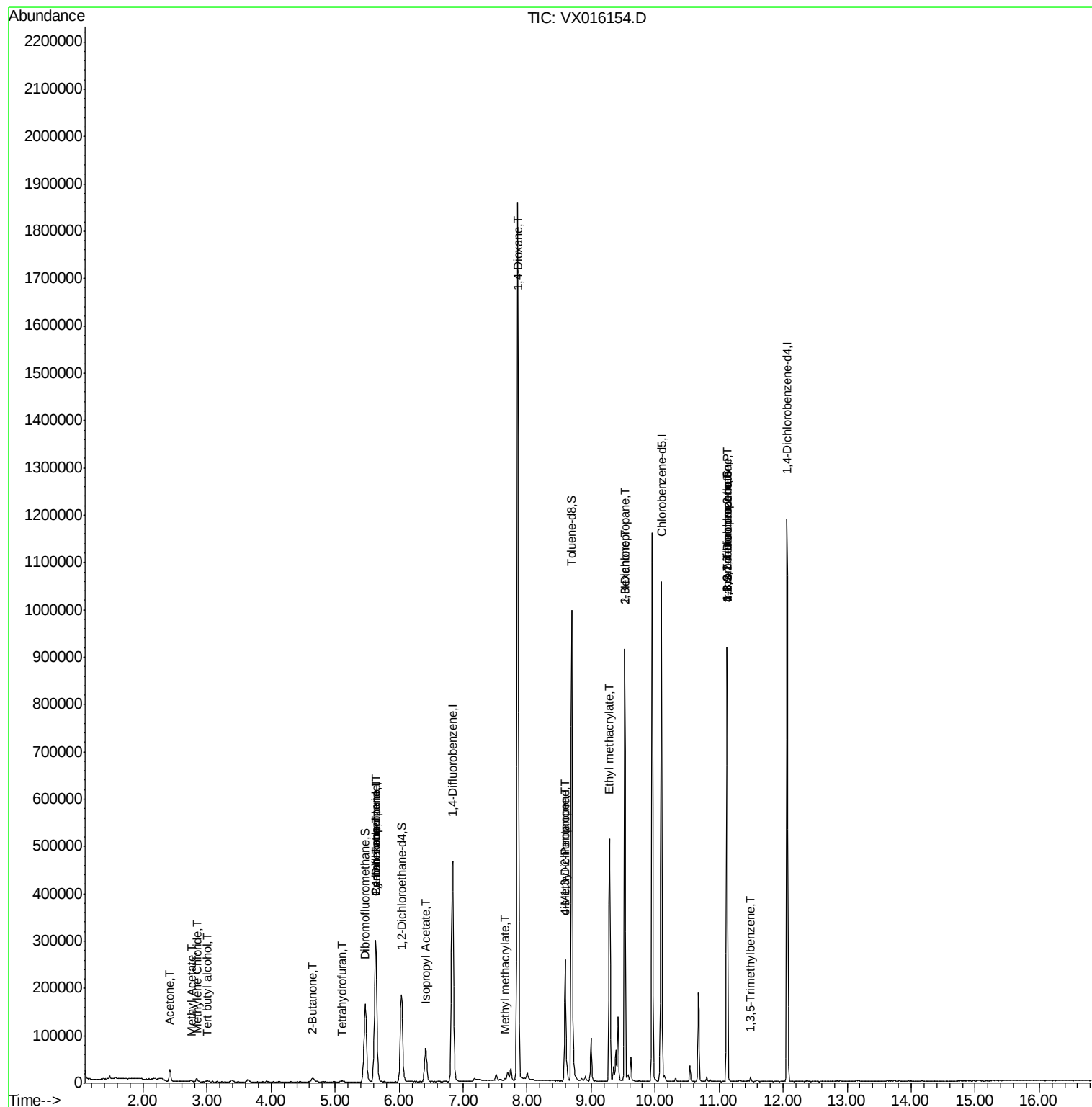
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	1759	1.833	ug/l #	80
16) Acetone	2.42	43	25812	15.248	ug/l	95
17) Carbon Disulfide	2.56	76	1422	Below Cal		97
18) Methyl Acetate	2.75	43	4193	1.007	ug/l	96
20) Methylene Chloride	2.83	84	3670	1.052	ug/l	97
25) 2-Butanone	4.64	43	7687	2.818	ug/l	98
29) Tetrahydrofuran	5.12	42	2733	1.512	ug/l	87
31) Cyclohexane	5.63	56	5513	1.046	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	21610	4.578	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27828	5.801	ug/l #	14
43) Isopropyl Acetate	6.42	43	95927	10.990	ug/l	99
48) Methyl methacrylate	7.65	41	5597	1.353	ug/l #	14
49) 1,4-Dioxane	7.85	88	260	2.621	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	93402	17.487	ug/l #	45
54) cis-1,3-Dichloropropene	8.60	75	43570	7.234	ug/l #	58
56) Ethyl methacrylate	9.29	69	1213	0.219	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	7627	1.291	ug/l #	47
59) 2-Hexanone	9.52	43	98343	23.445	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	11.12	83	115	2.084	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	117837	21.432	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	3925	0.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	117837	51.073	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: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

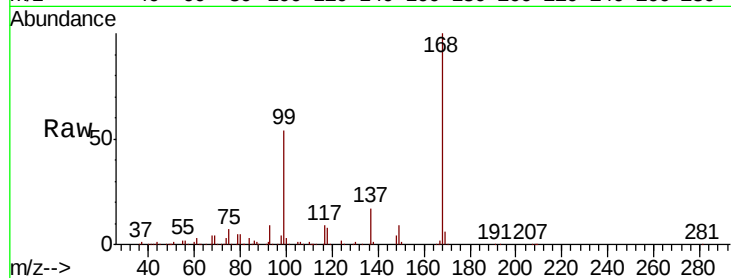
PB128761ZHE#04

Tot Ion:168 Resp: 288316

Ion Ratio Lower Upper

168 100

99 53.9 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

120000

100000

80000

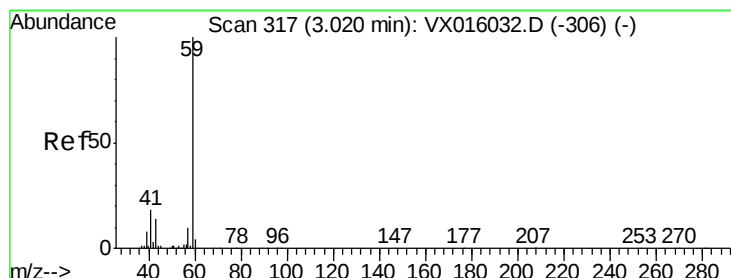
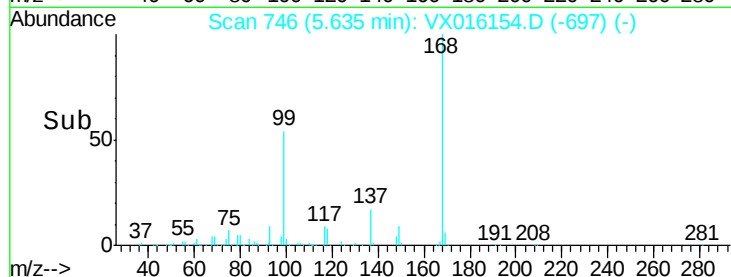
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.833 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016154.D

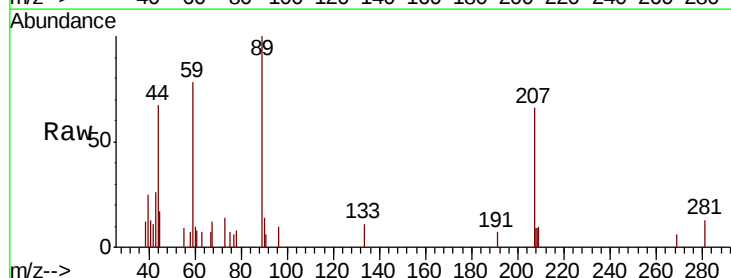
Acq: 11 May 2020 17:12

Tgt Ion: 59 Resp: 1759

Ion Ratio Lower Upper

59 100

57 3.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

800

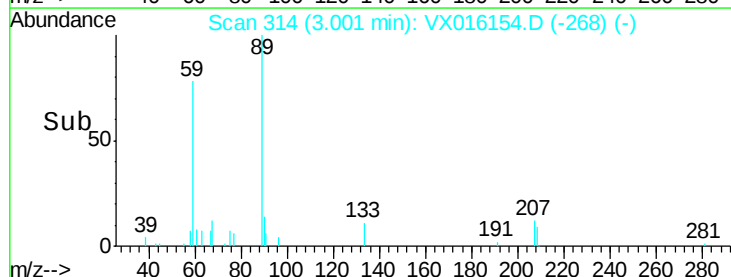
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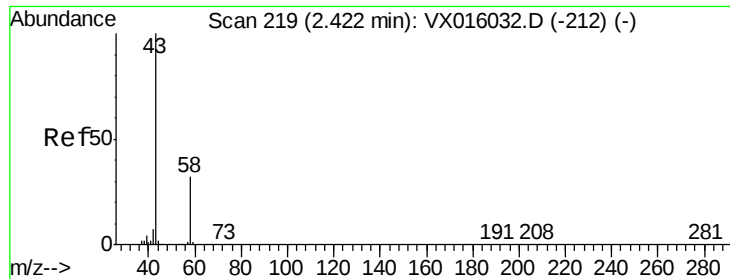
400

200

0

Time-->





#16

Acetone

Concen: 15.248 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

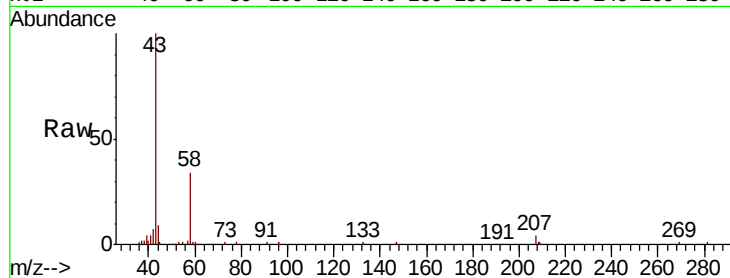
PB128761ZHE#04

Tot Ion: 43 Resp: 25812

Ion Ratio Lower Upper

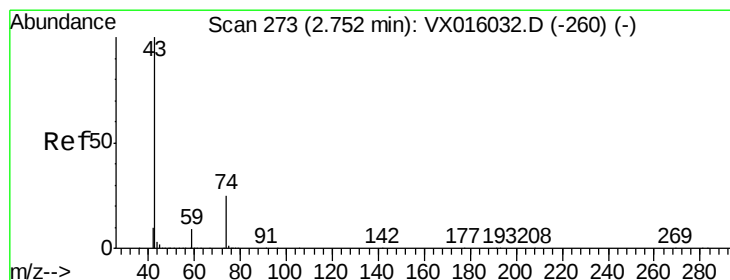
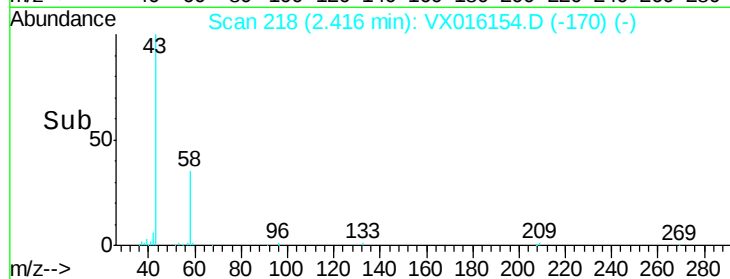
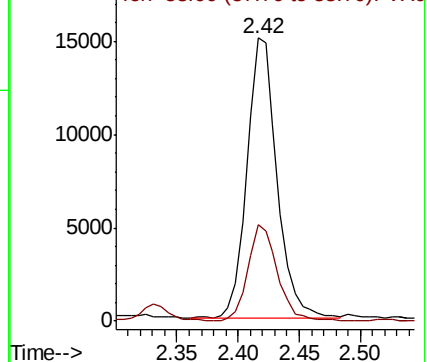
43 100

58 34.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.007 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016154.D

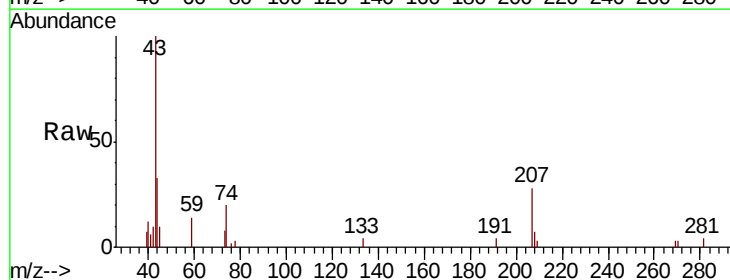
Acq: 11 May 2020 17:12

Tgt Ion: 43 Resp: 4193

Ion Ratio Lower Upper

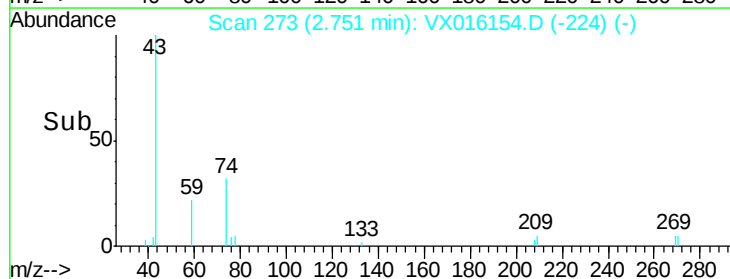
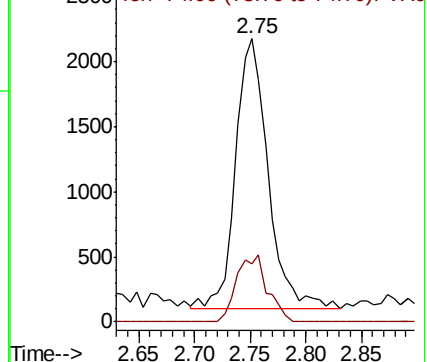
43 100

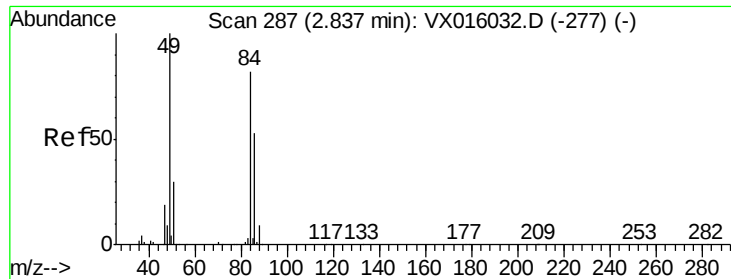
74 23.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

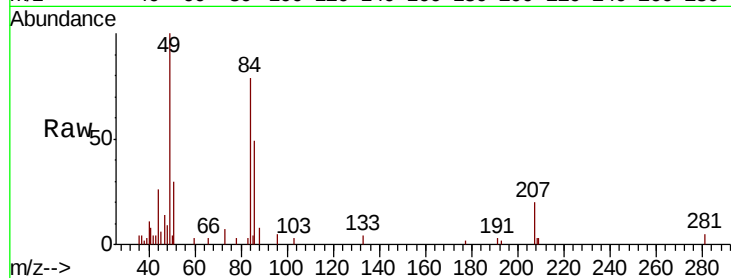




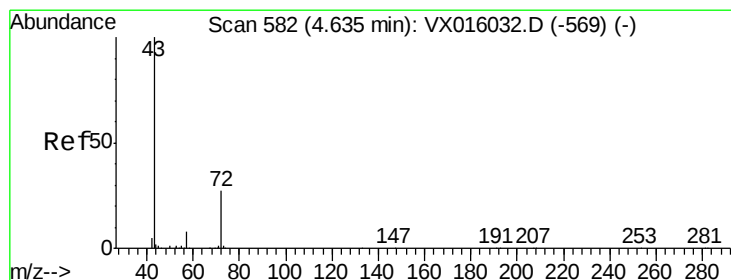
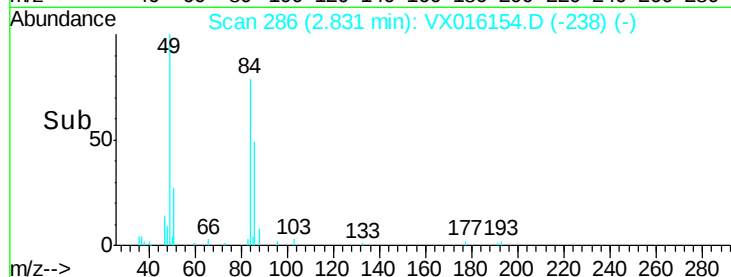
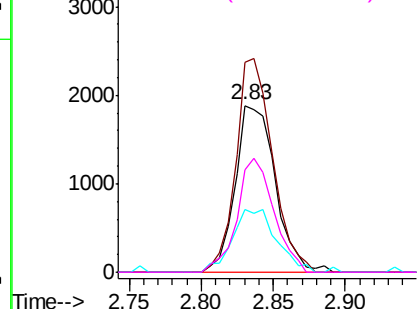
#20
Methvlene Chloride
Concen: 1.052 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016154.D
Acq: 11 May 2020 17:12

Instrument :
MSVOA_X
ClientSampleId :
PB128761ZHE#04

Tot Ion:	84	Resp:	3670
Ion	Ratio	Lower	Upper
84	100		
49	126.0	97.3	145.9
51	37.4	29.3	43.9
86	61.9	51.3	76.9

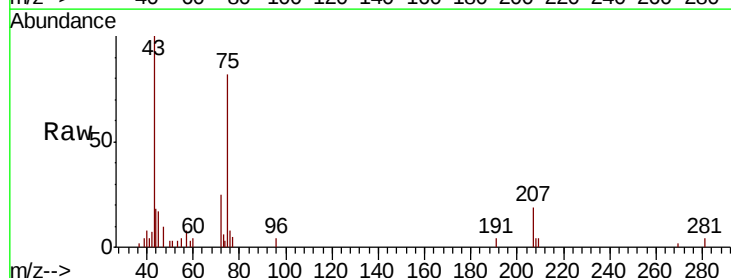


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

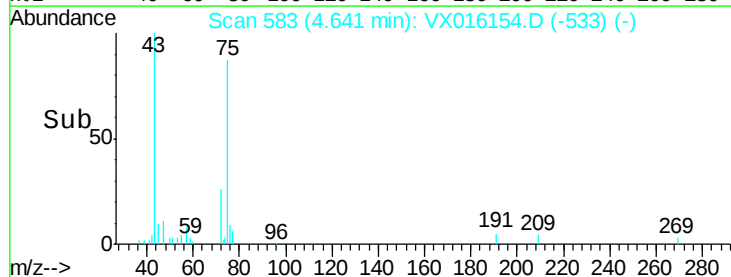
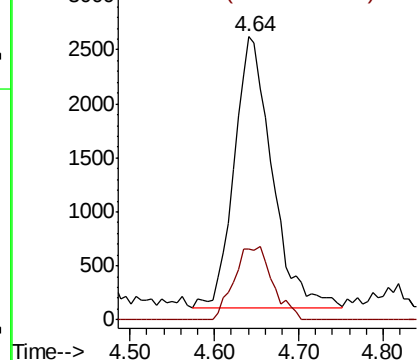


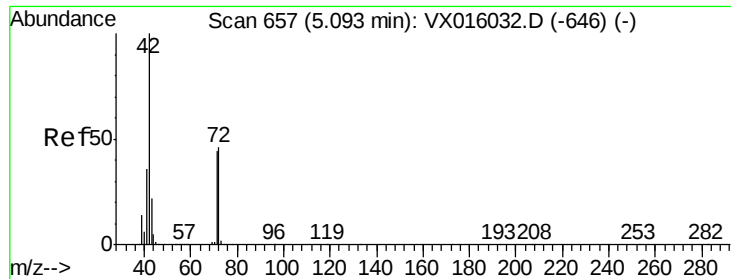
#25
2-Butanone
Concen: 2.818 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016154.D
Acq: 11 May 2020 17:12

Tgt Ion:	43	Resp:	7687
Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.8	32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

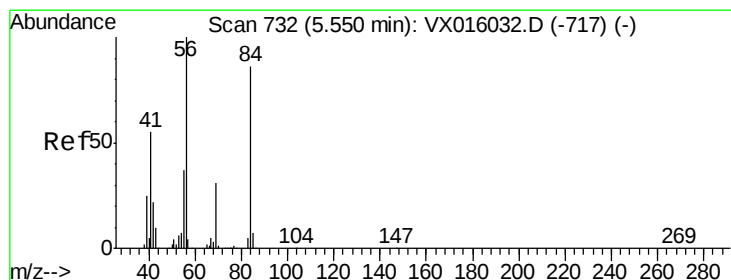
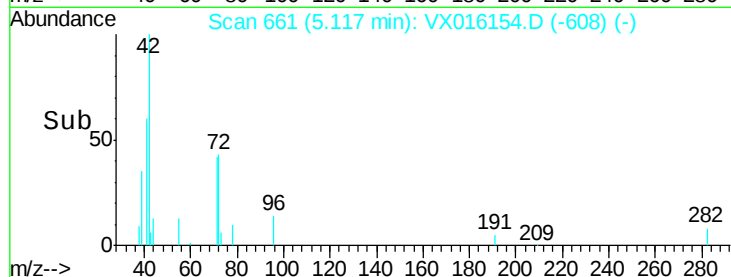
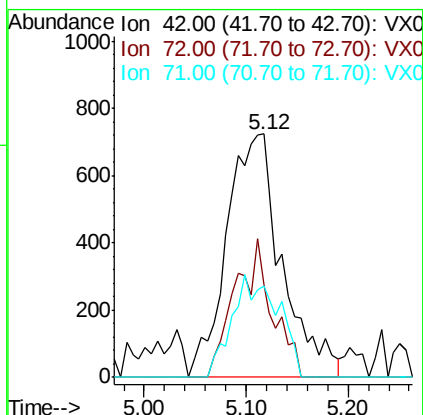
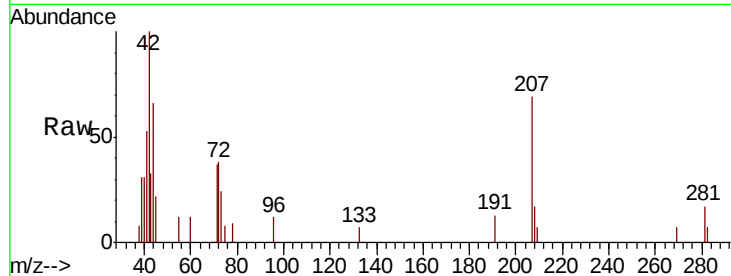




#29
Tetrahydrofuran
Concen: 1.512 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX016154.D
Acq: 11 May 2020 17:12

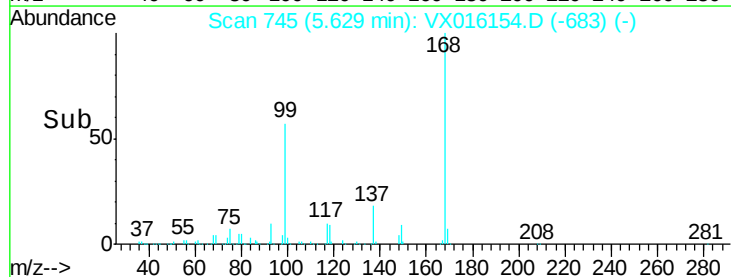
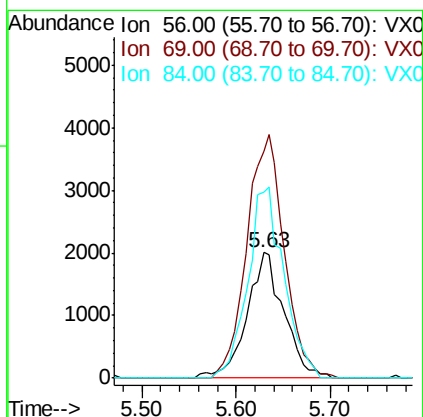
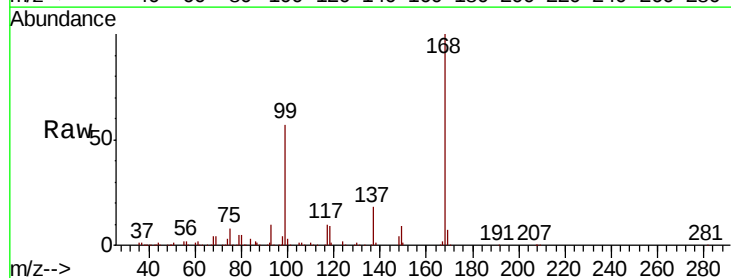
Instrument :
MSVOA_X
ClientSampleId :
PB128761ZHE#04

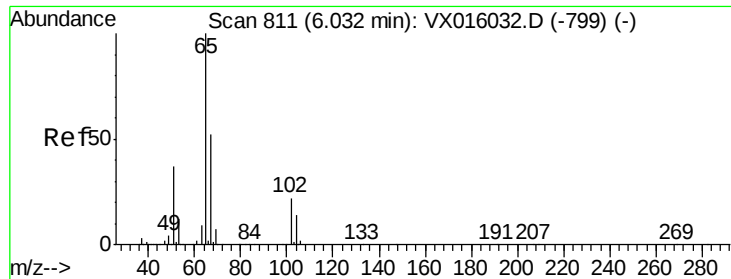
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	37.1	55.7
71	34.8	34.5	51.7



#31
Cyclohexane
Concen: 1.046 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016154.D
Acq: 11 May 2020 17:12

Tgt Ion	Ratio	Lower	Upper
56	100		
69	180.3	25.0	37.6#
84	148.4	69.0	103.6#





#33

1,2-Dichloroethane-d4

Concen: 46.101 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

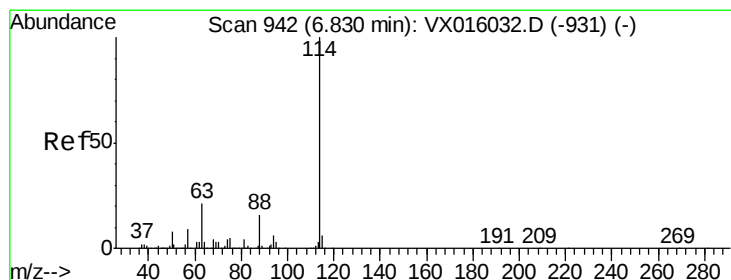
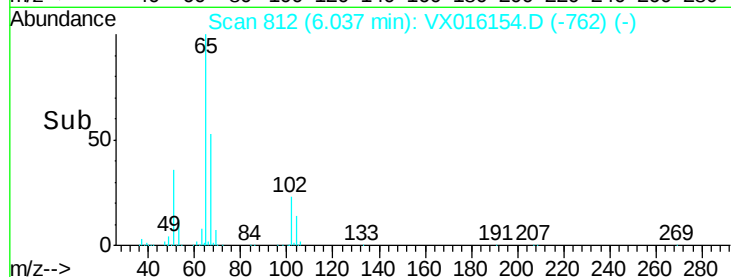
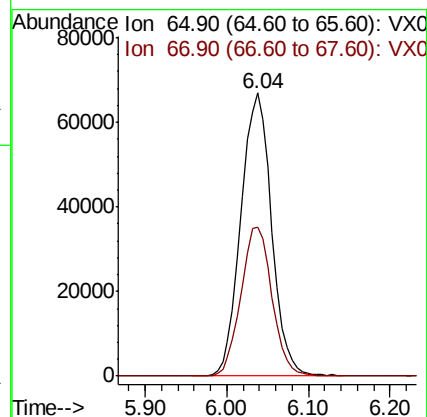
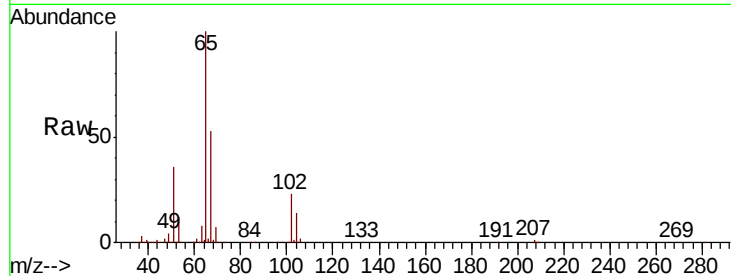
PB128761ZHE#04

Tot Ion: 65 Resp: 174903

Ion Ratio Lower Upper

65 100

67 53.3 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: VX016154.D

Acq: 11 May 2020 17:12

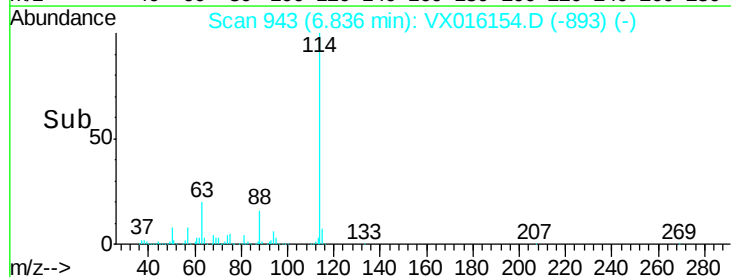
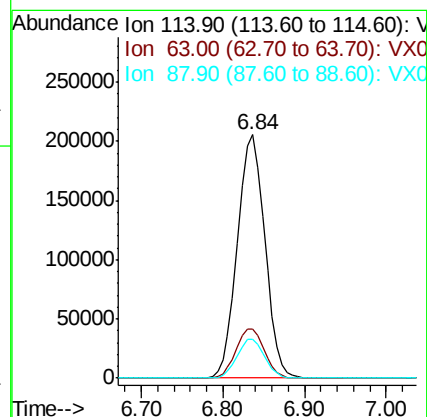
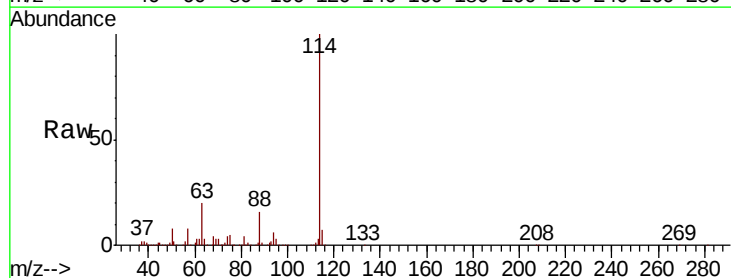
Tgt Ion: 114 Resp: 479495

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

88 15.9 0.0 31.4

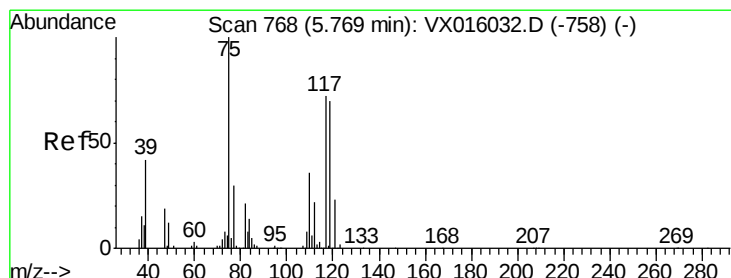
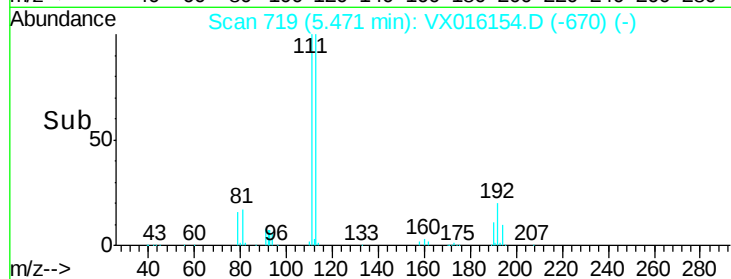
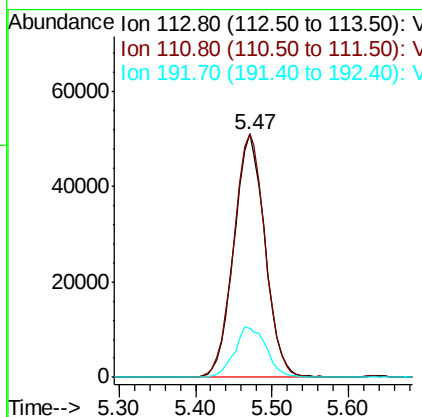
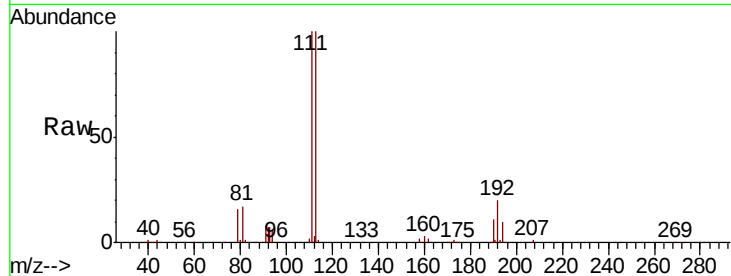




#35
 Dibromofluoromethane
 Concen: 47.141 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016154.D
 Acq: 11 May 2020 17:12

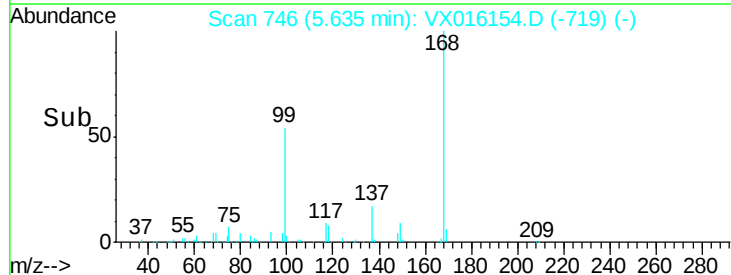
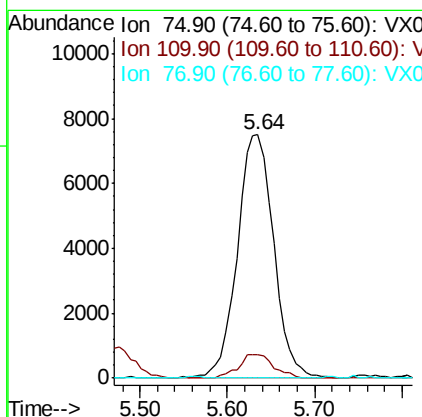
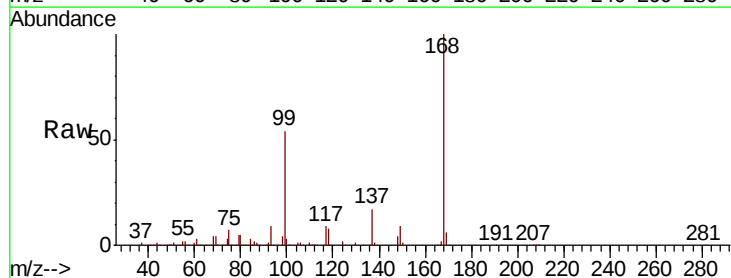
Instrument :
 MSVOA_X
 ClientSampleId :
 PB128761ZHE#04

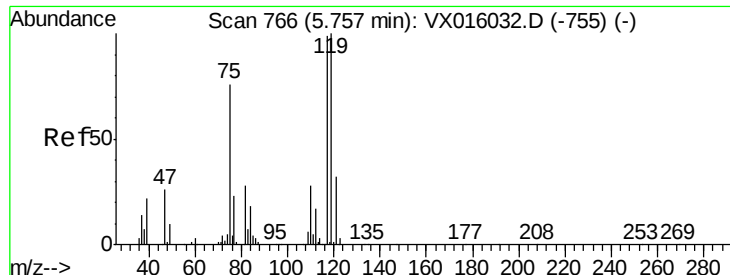
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.6	122.4
192	21.3	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.578 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016154.D
 Acq: 11 May 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.801 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB128761ZHE#04

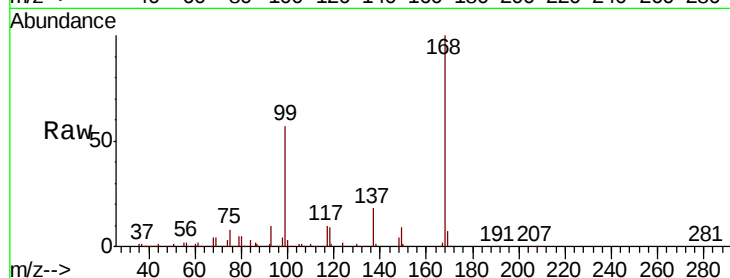
Tot Ion:117 Resp: 27828

Ion Ratio Lower Upper

117 100

119 5.2 80.3 120.5#

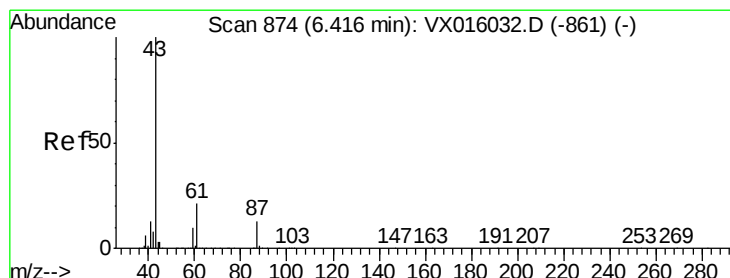
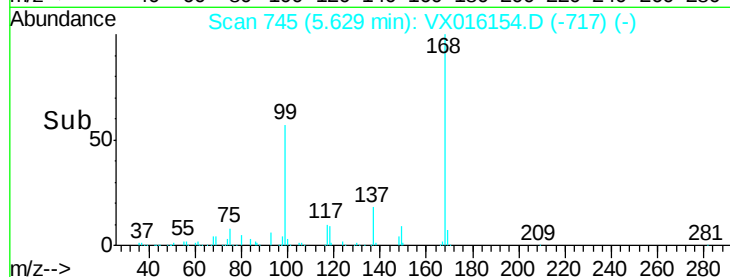
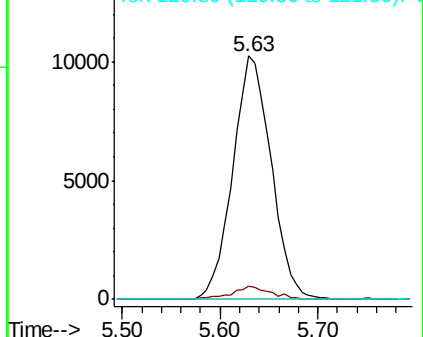
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.990 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

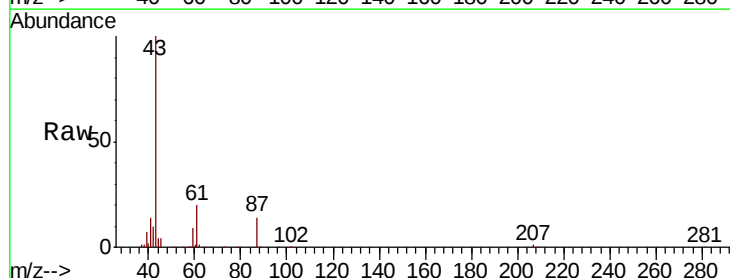
Tgt Ion: 43 Resp: 95927

Ion Ratio Lower Upper

43 100

61 21.6 17.0 25.4

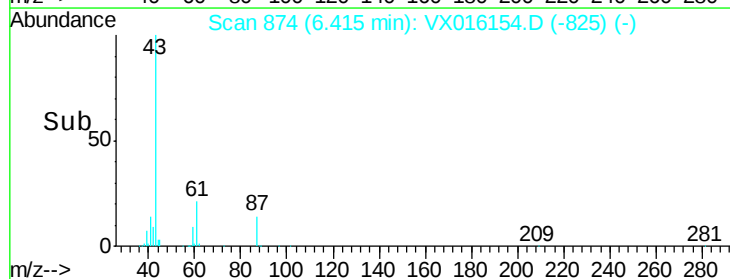
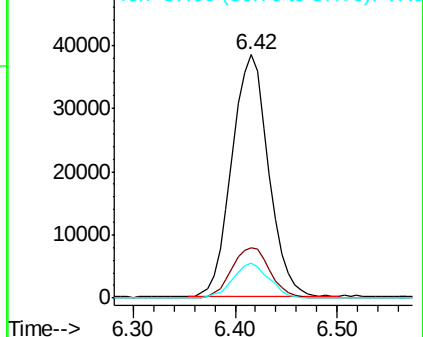
87 14.4 11.0 16.6

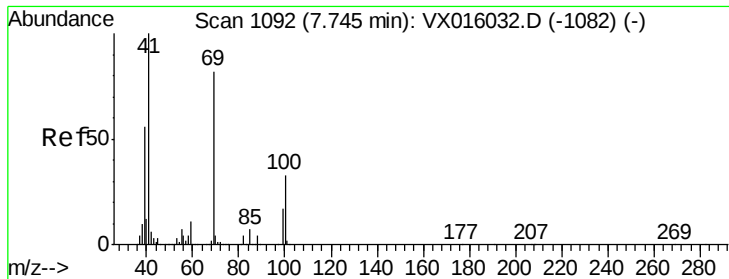


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

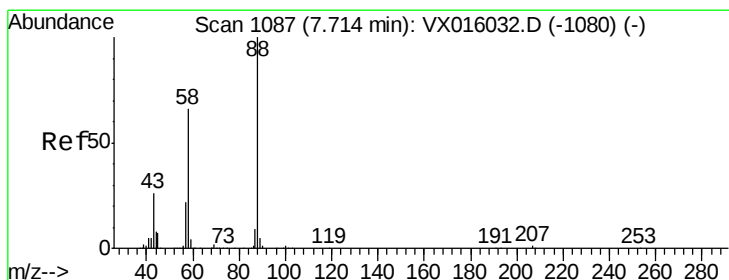
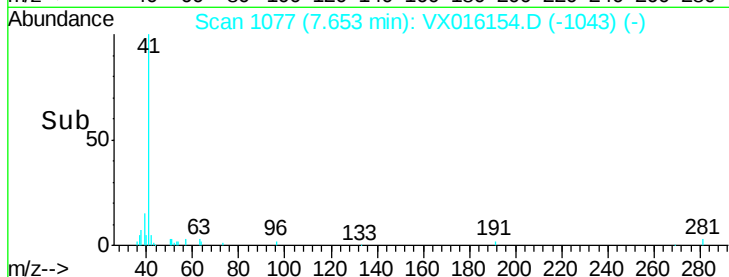
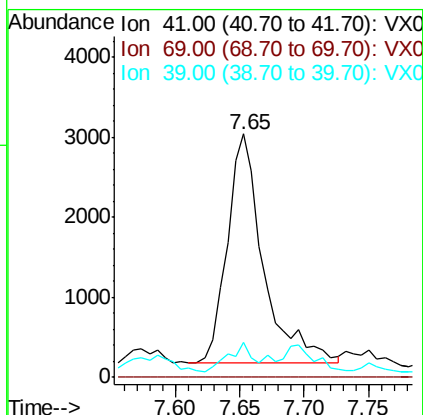
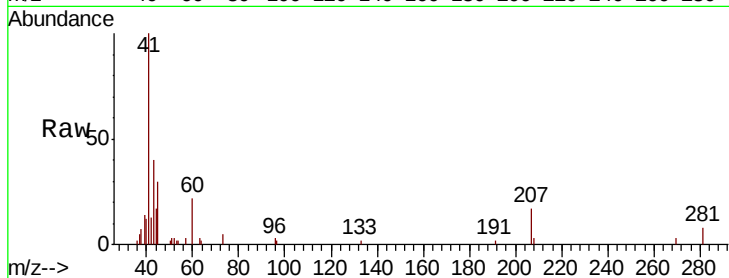




#48
Methvl methacrylate
Concen: 1.353 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX016154.D
Acq: 11 May 2020 17:12

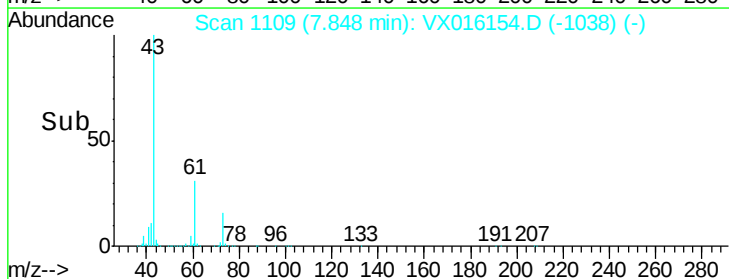
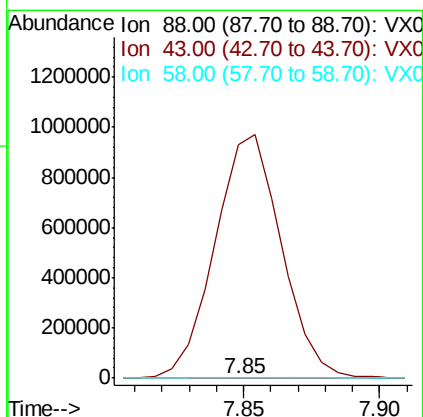
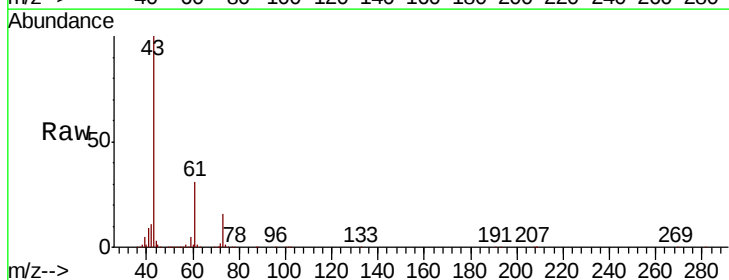
Instrument :
MSVOA_X
ClientSampleId :
PB128761ZHE#04

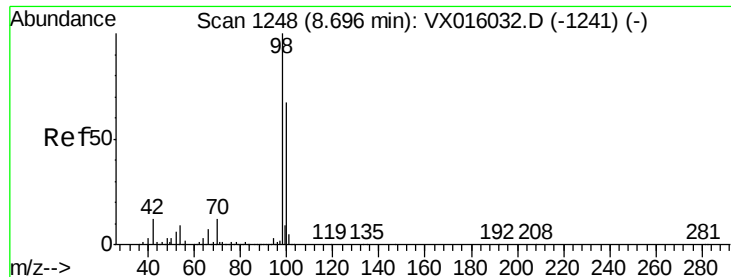
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.8	101.6#
39	0.0	44.6	67.0#



#49
1,4-Dioxane
Concen: 2.621 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.13 min
Lab File: VX016154.D
Acq: 11 May 2020 17:12

Tgt Ion	Ratio	Lower	Upper
88	100		
43	636015.8	25.3	37.9#
58	2689.2	55.9	83.9#





#50

Toluene-d8

Concen: 50.622 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

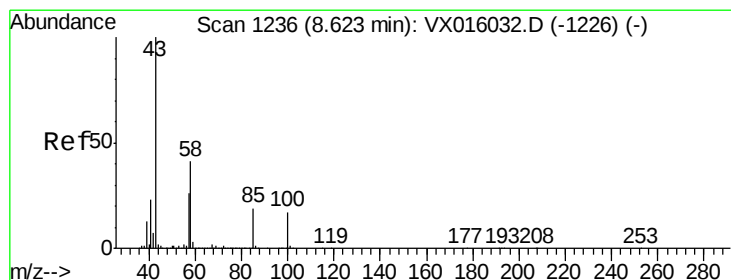
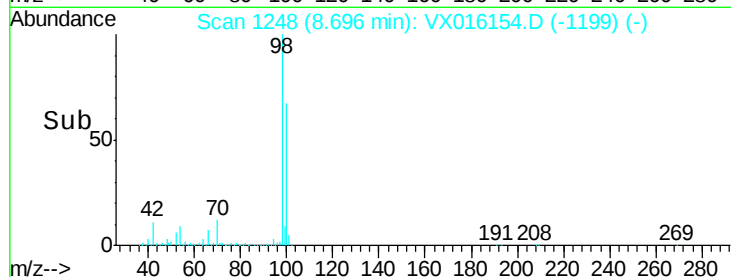
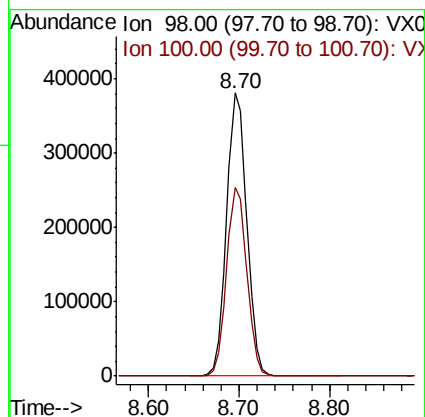
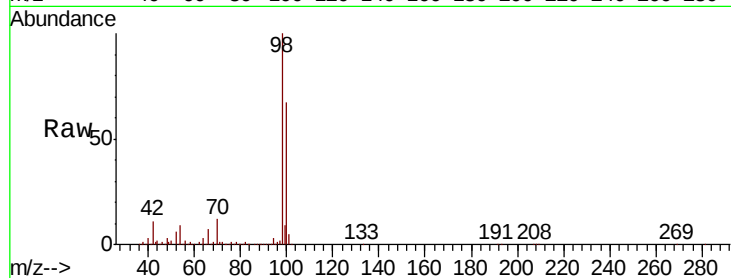
PB128761ZHE#04

Tot Ion: 98 Resp: 592527

Ion Ratio Lower Upper

98 100

100 66.7 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 17.487 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016154.D

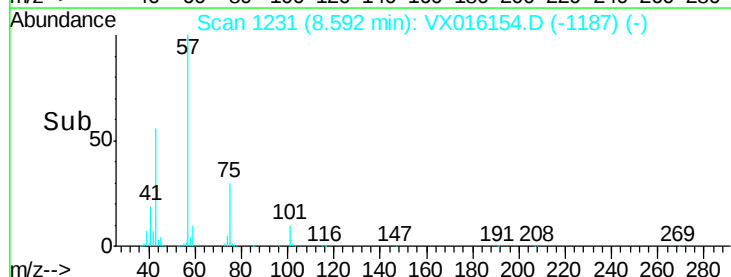
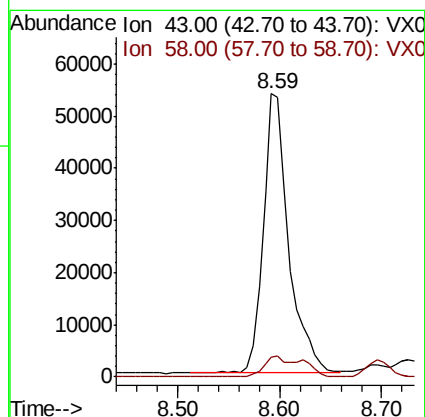
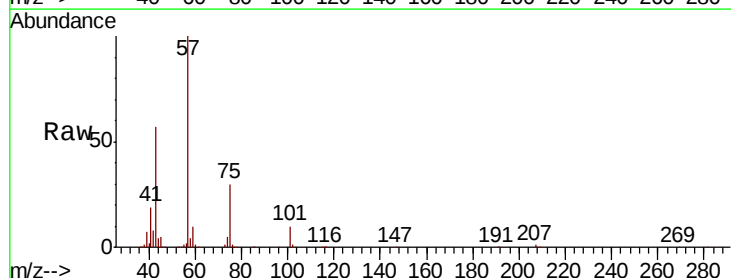
Acq: 11 May 2020 17:12

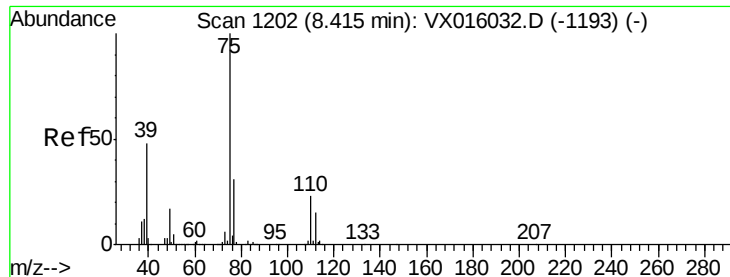
Tgt Ion: 43 Resp: 93402

Ion Ratio Lower Upper

43 100

58 6.9 33.0 49.4#



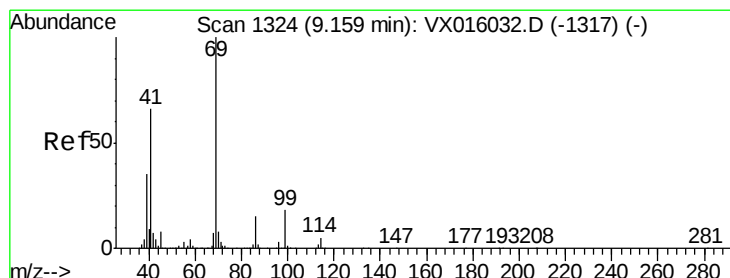
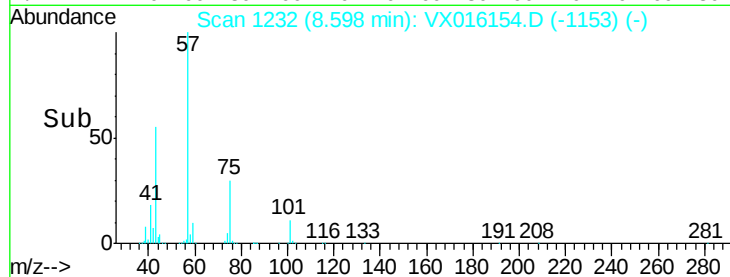
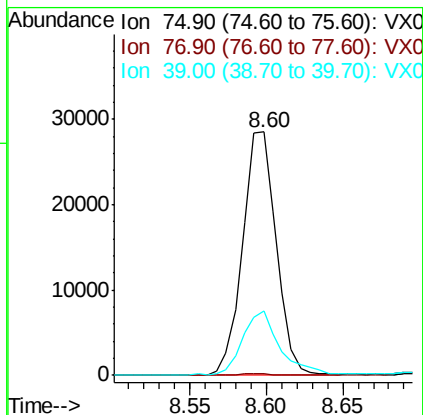
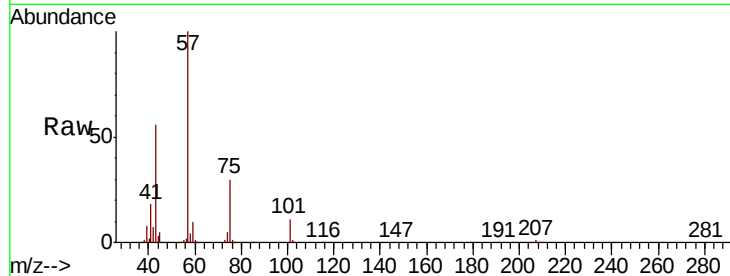


#54

cis-1,3-Dichloropropene
 Concen: 7.234 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX016154.D
 Acq: 11 May 2020 17:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB128761ZHE#04

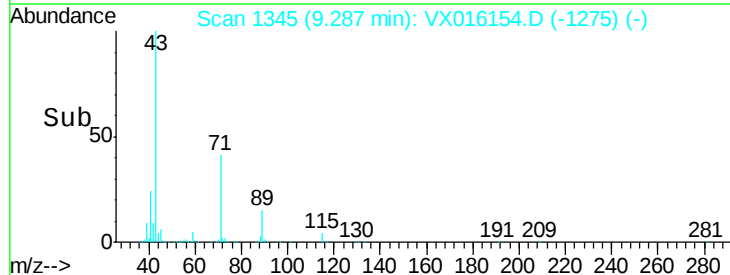
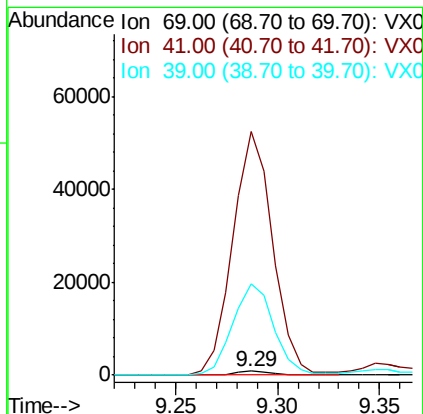
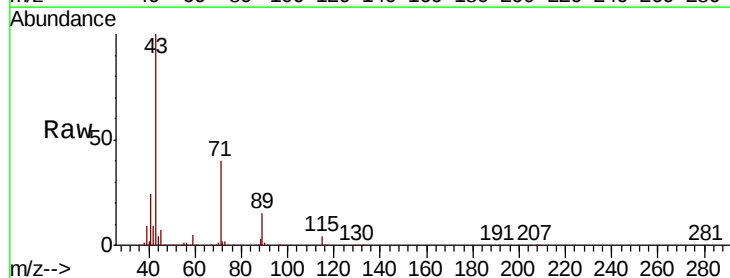
Tot Ion: 75 Resp: 43570
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.7 37.1#
 39 26.3 38.7 58.1#

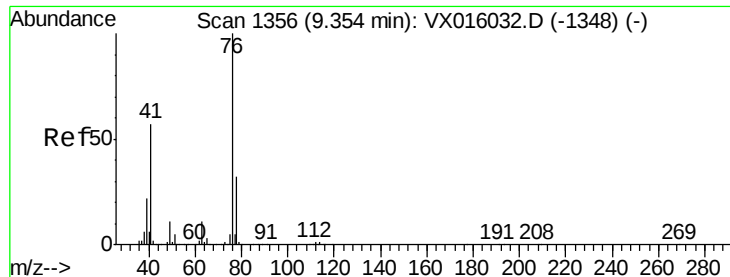


#56

Ethyl methacrylate
 Concen: 0.219 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX016154.D
 Acq: 11 May 2020 17:12

Tgt Ion: 69 Resp: 1213
 Ion Ratio Lower Upper
 69 100
 41 5859.5 52.2 78.4#
 39 2278.8 28.2 42.4#





#57

1,3-Dichloropropane

Concen: 1.291 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

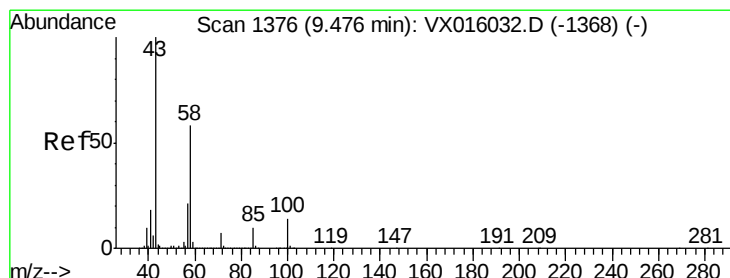
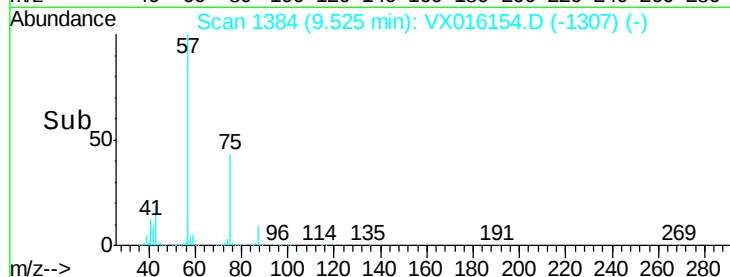
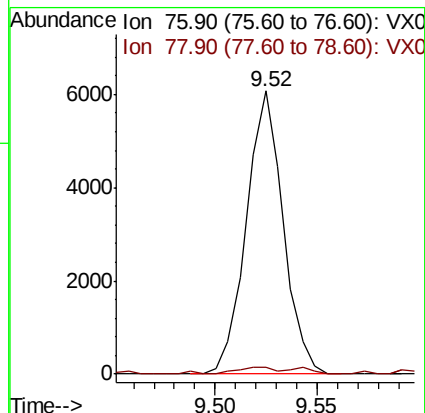
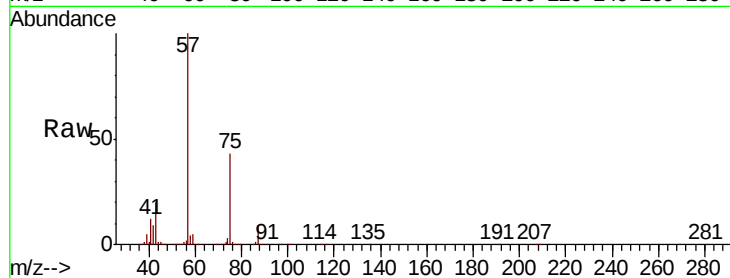
PB128761ZHE#04

Tot Ion: 76 Resp: 7627

Ion Ratio Lower Upper

76 100

78 2.5 25.9 38.9#



#59

2-Hexanone

Concen: 23.445 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016154.D

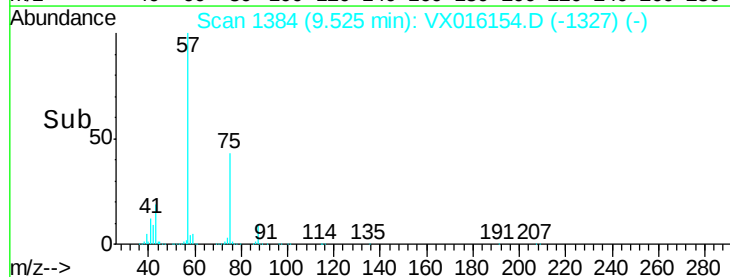
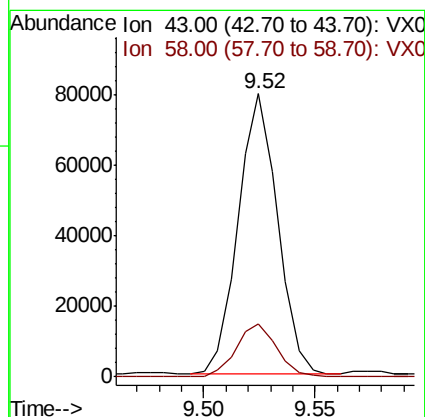
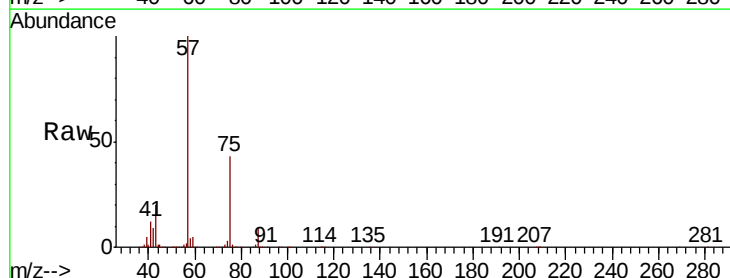
Acq: 11 May 2020 17:12

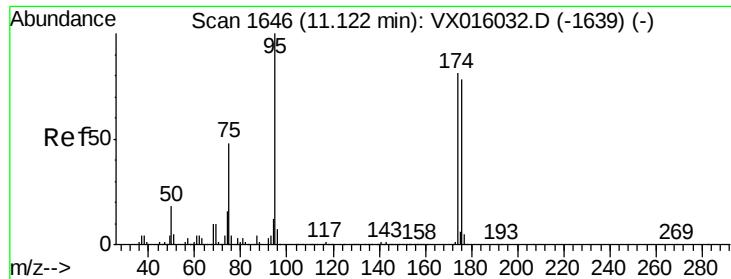
Tgt Ion: 43 Resp: 98343

Ion Ratio Lower Upper

43 100

58 19.4 28.6 85.9#





#62

4-Bromofluorobenzene

Concen: 53.392 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB128761ZHE#04

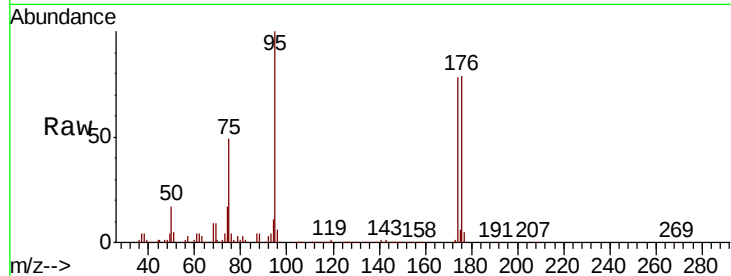
Tot Ion: 95 Resp: 237702

Ion Ratio Lower Upper

95 100

174 81.2 0.0 159.4

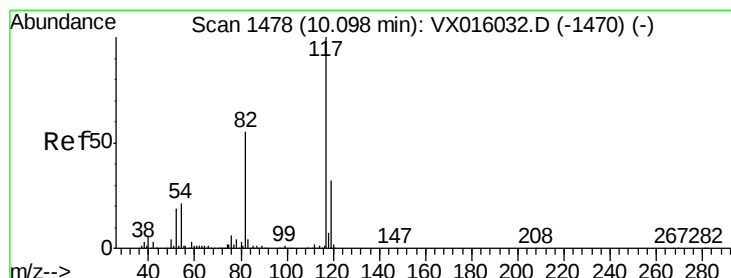
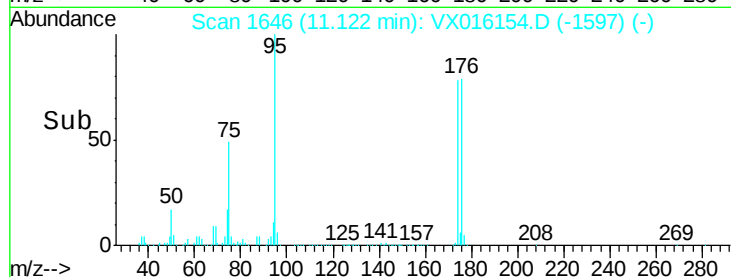
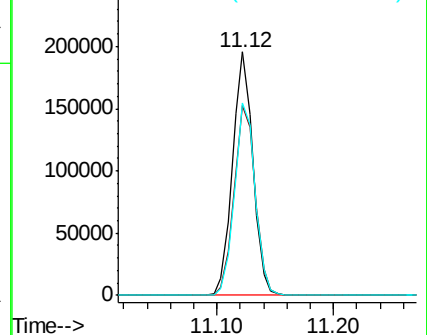
176 80.3 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

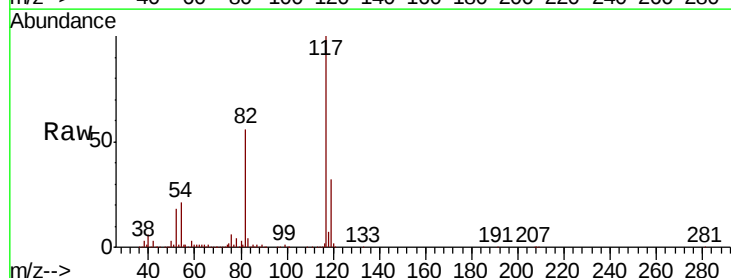
Tgt Ion: 117 Resp: 473004

Ion Ratio Lower Upper

117 100

82 55.9 44.4 66.6

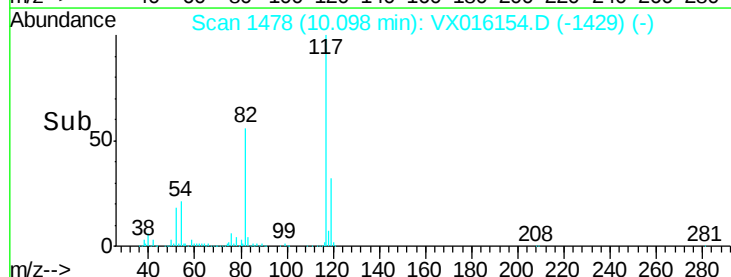
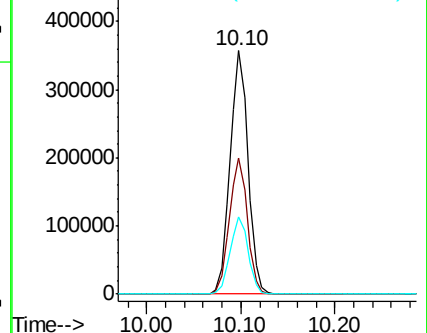
119 31.8 25.5 38.3

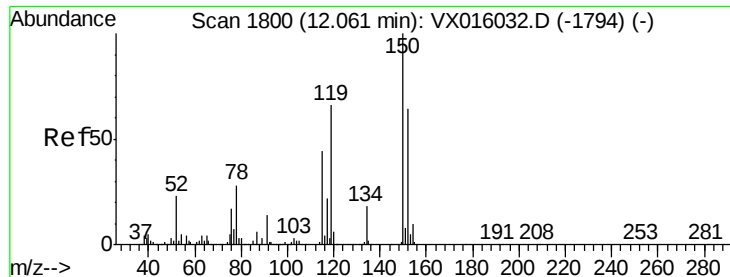


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB128761ZHE#04

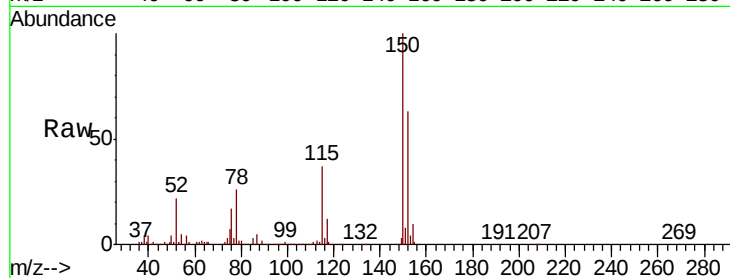
Tot Ion:152 Resp: 242297

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

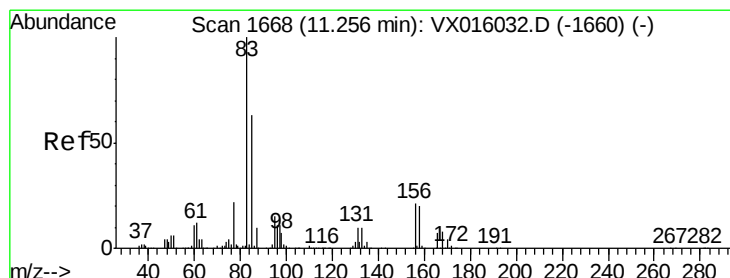
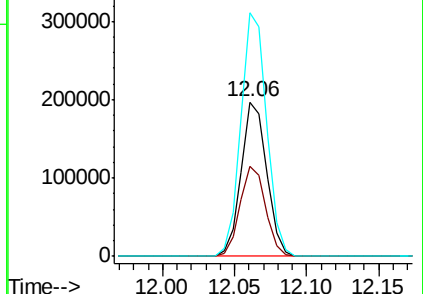
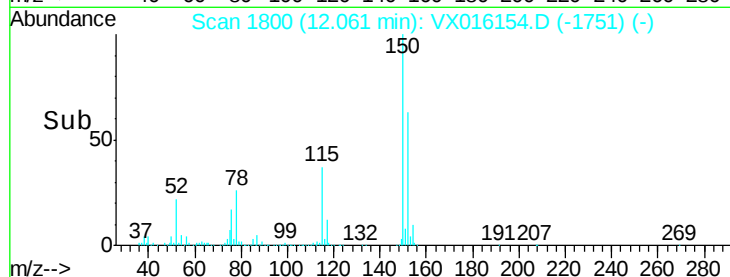
150 159.0 0.0 352.2



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: 2.084 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

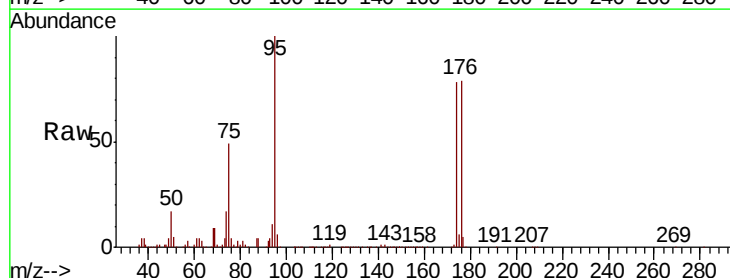
Tgt Ion: 83 Resp: 115

Ion Ratio Lower Upper

83 100

131 294.8 5.1 15.4#

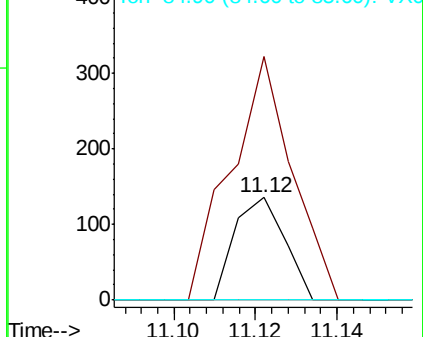
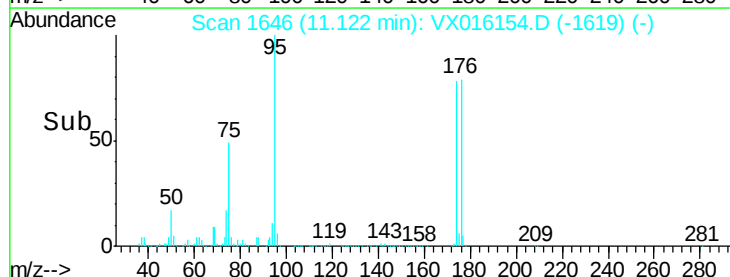
85 0.0 32.0 96.0#

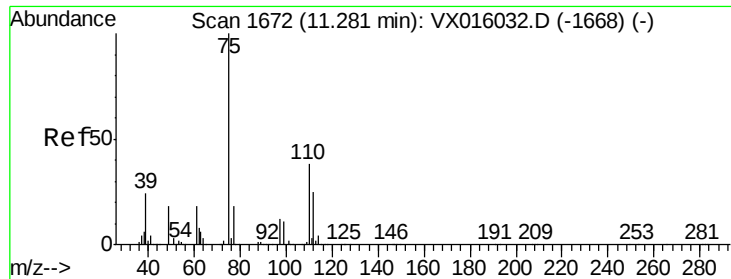


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

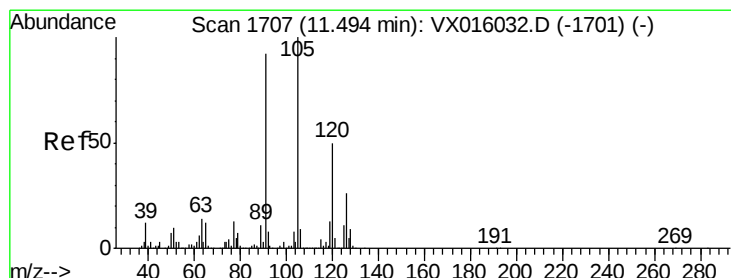
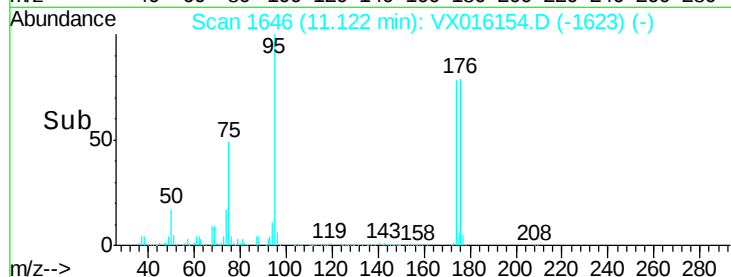
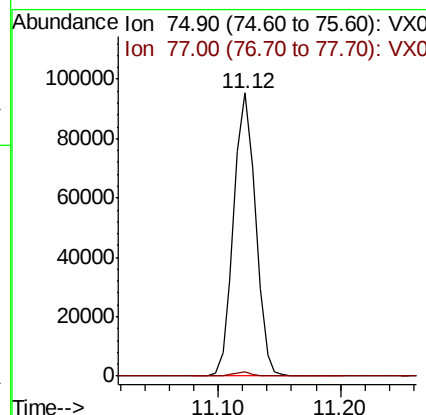
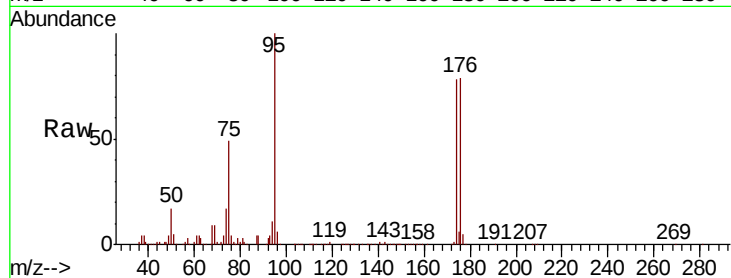




#76
 1,2,3-Trichloropropane
 Concen: 21.432 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016154.D
 Acq: 11 May 2020 17:12

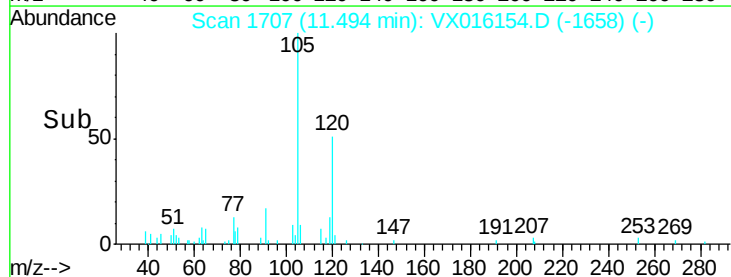
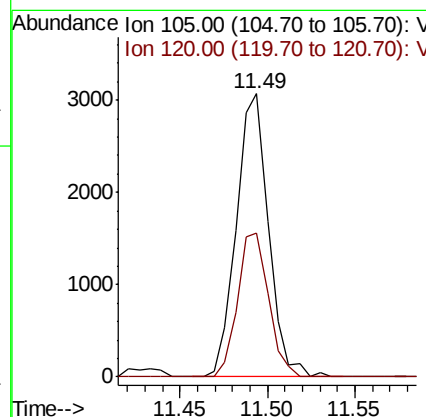
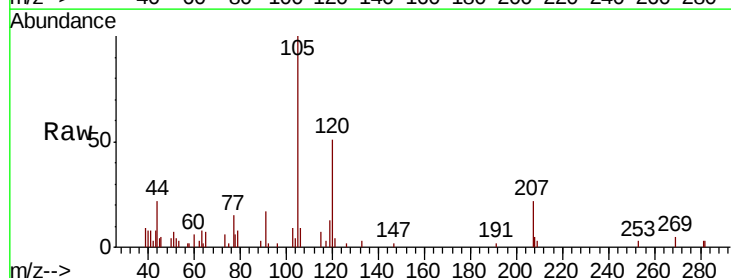
Instrument :
 MSVOA_X
 ClientSampleId :
 PB128761ZHE#04

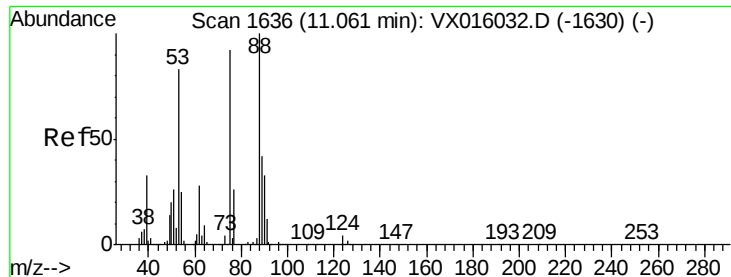
Tot Ion: 75 Resp: 117837
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.2 63.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.264 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016154.D
 Acq: 11 May 2020 17:12

Tgt Ion: 105 Resp: 3925
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.073 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016154.D

Acq: 11 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

PB128761ZHE#04

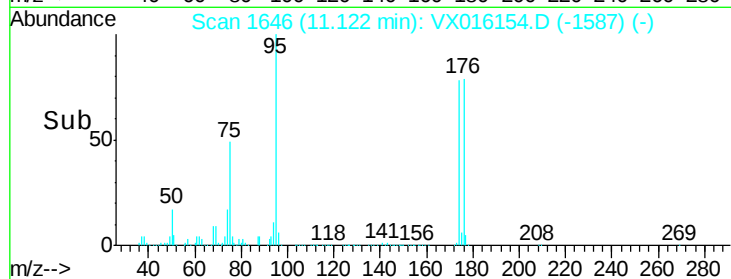
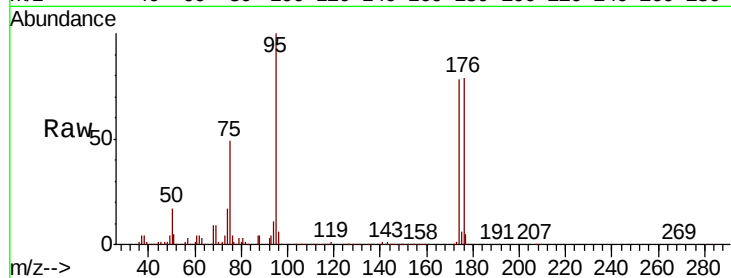
Tot Ion: 75 Resp: 117837

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

