

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015487.D
 Acq On : 02 Apr 2020 17:14
 Operator : JC/SP
 Sample : PB127948ZHE#09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#09

Quant Time: Apr 03 08:03:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1118099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1818656	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1743007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	940279	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	769546	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	5.47	113	578027	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	8.70	98	2208158	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.12	95	947964	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	832	Below Cal	#	3
11) Tert butyl alcohol	3.00	59	18280	4.843	ug/l #	83
16) Acetone	2.42	43	47337	6.987	ug/l	99
18) Methyl Acetate	2.75	43	13355	0.772	ug/l	94
20) Methylene Chloride	2.84	84	14548	1.150	ug/l #	82
25) 2-Butanone	4.66	43	12736	1.169	ug/l #	69
31) Cyclohexane	5.63	56	23574	1.181	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	86216	5.145	ug/l #	52
38) Carbon Tetrachloride	5.64	117	112840	6.217	ug/l #	14
43) Isopropyl Acetate	6.42	43	388539	10.549	ug/l	99
48) Methyl methacrylate	7.86	41	583903	31.739	ug/l #	50
49) 1,4-Dioxane	7.75	88	721	2.101	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	377259	18.074	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	153124	6.829	ug/l #	53
59) 2-Hexanone	9.53	43	402593	25.547	ug/l #	51
74) N-amyl acetate	10.86	43	9369	0.273	ug/l #	58
76) 1,2,3-Trichloropropane	11.12	75	490331	25.358	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	46683	0.887	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	490331	60.846	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015487.D

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Instrument :

MSVOA_X

ClientSampleId :

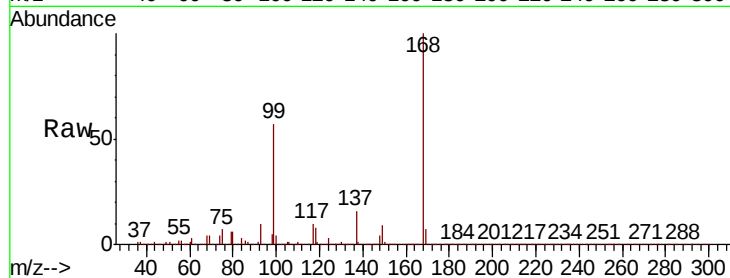
PB127948ZHE#09

Tot Ion:168 Resp: 1118099

Ion Ratio Lower Upper

168 100

99 56.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

400000

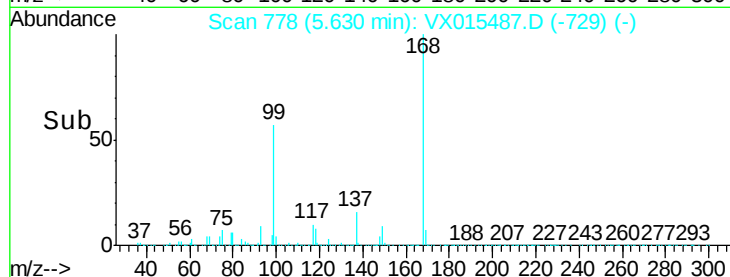
300000

200000

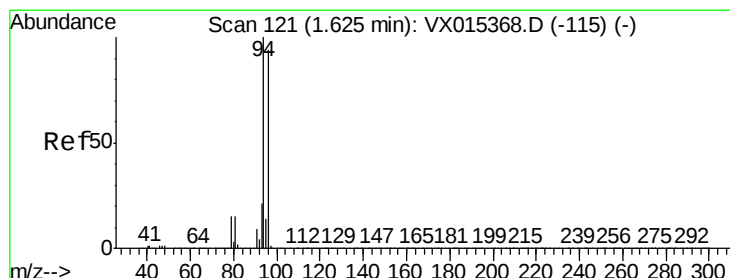
100000

0

5.50 5.60 5.70 5.80



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015487.D

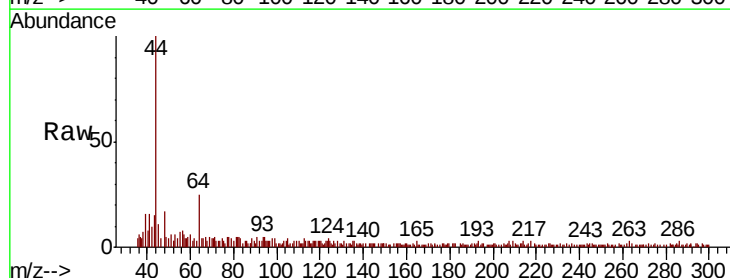
Acq: 02 Apr 2020 17:14

Tgt Ion: 94 Resp: 832

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

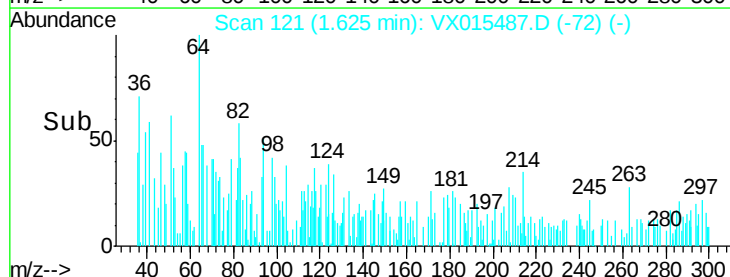
600

400

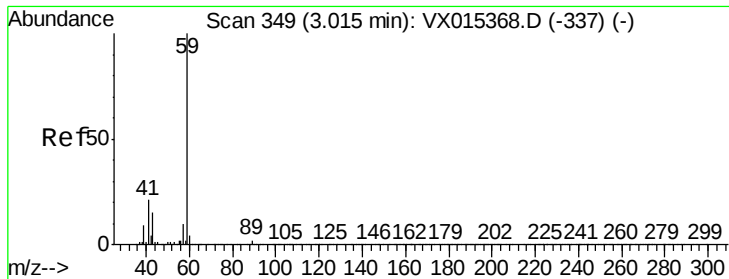
200

0

1.58 1.60 1.62 1.64 1.66



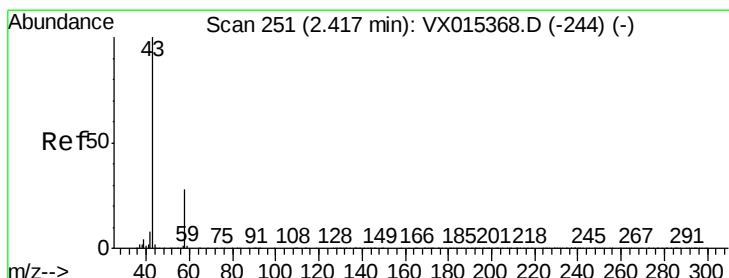
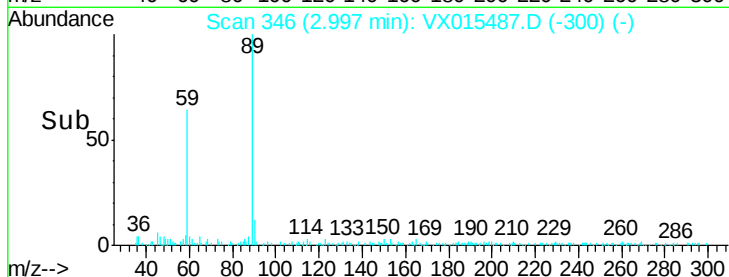
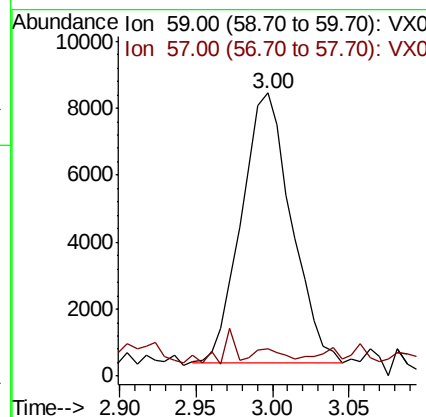
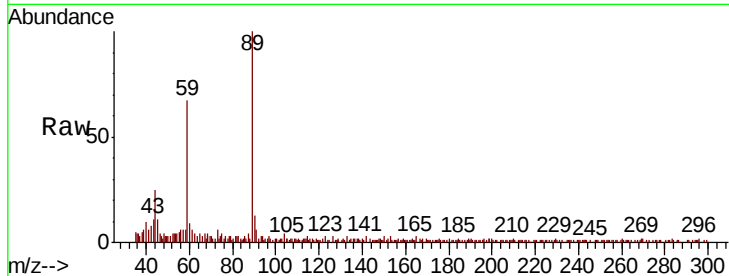
Time-->



#11
Tert butyl alcohol
Concen: 4.843 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

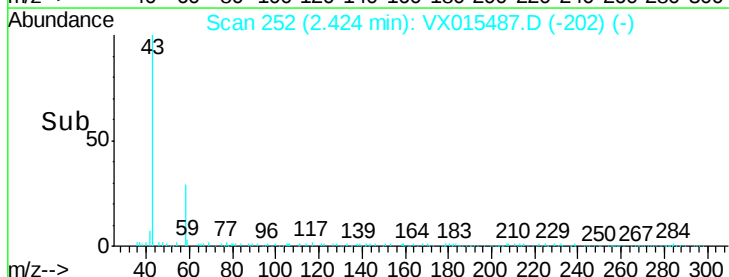
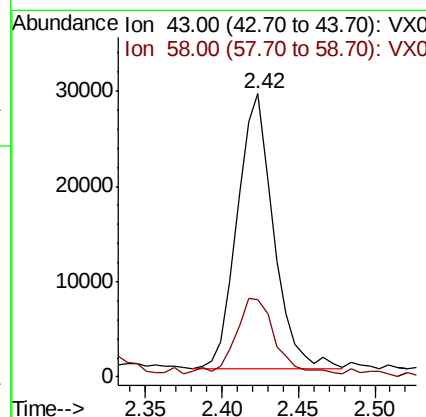
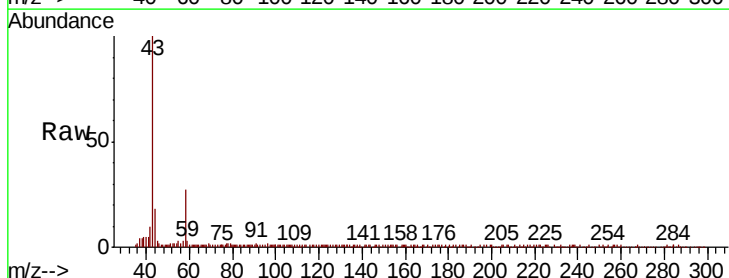
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#09

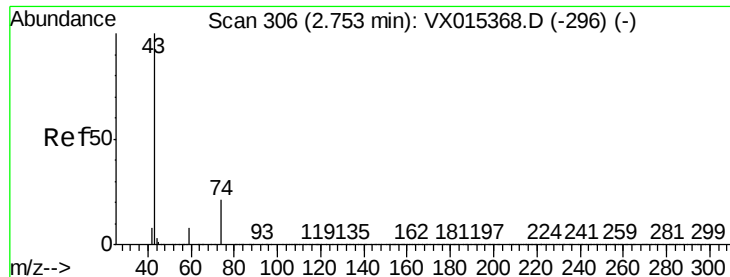
Tot Ion: 59 Resp: 18280
Ion Ratio Lower Upper
59 100
57 3.7 8.1 12.1#



#16
Acetone
Concen: 6.987 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

Tgt Ion: 43 Resp: 47337
Ion Ratio Lower Upper
43 100
58 26.9 22.1 33.1

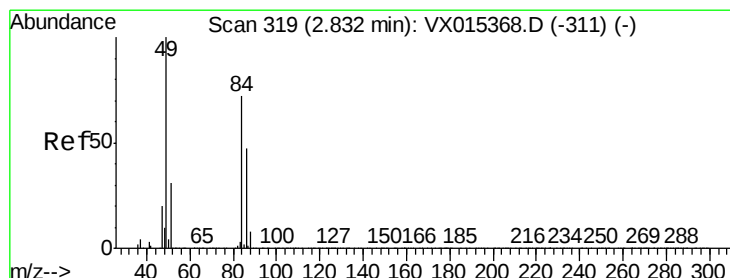
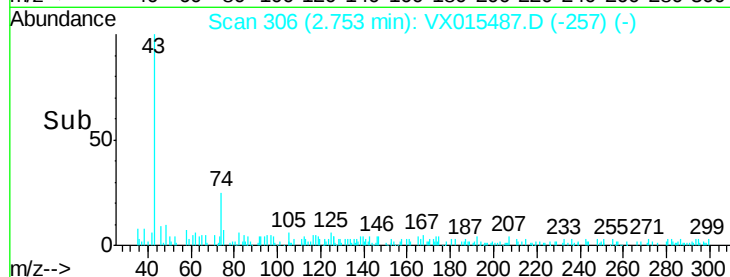
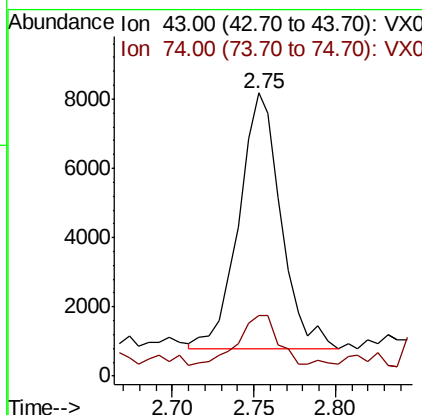
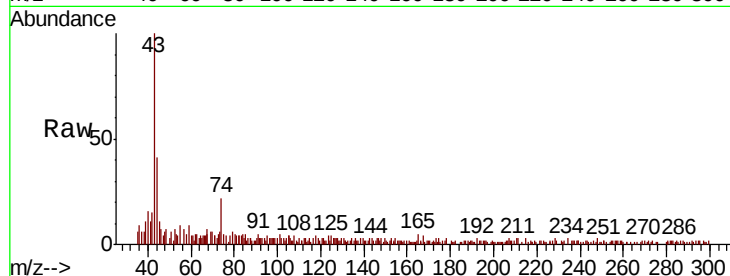




#18
Methyl Acetate
Concen: 0.772 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

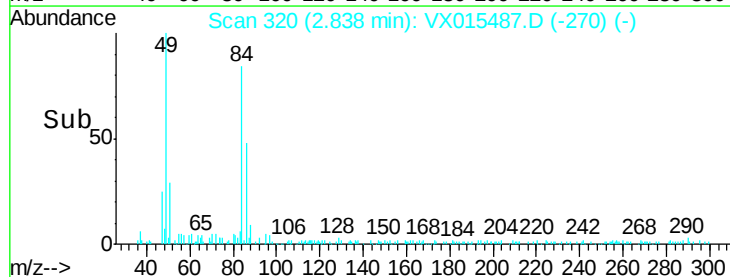
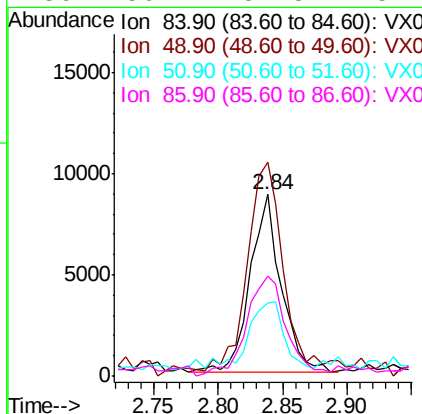
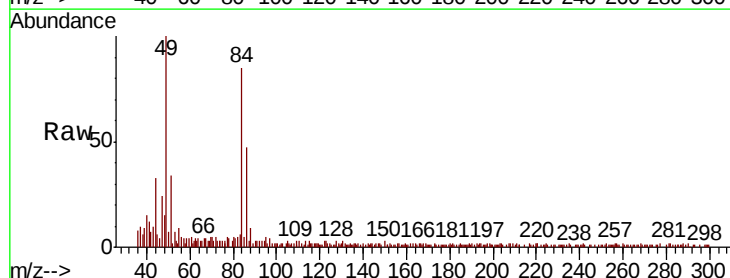
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#09

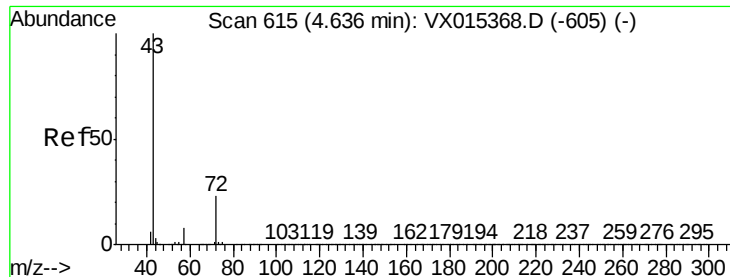
Tot Ion: 43 Resp: 13355
Ion Ratio Lower Upper
43 100
74 17.7 16.5 24.7



#20
Methylene Chloride
Concen: 1.150 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

Tgt Ion: 84 Resp: 14548
Ion Ratio Lower Upper
84 100
49 115.8 111.3 166.9
51 35.8 34.0 51.0
86 50.1 52.5 78.7#





#25

2-Butanone

Concen: 1.169 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

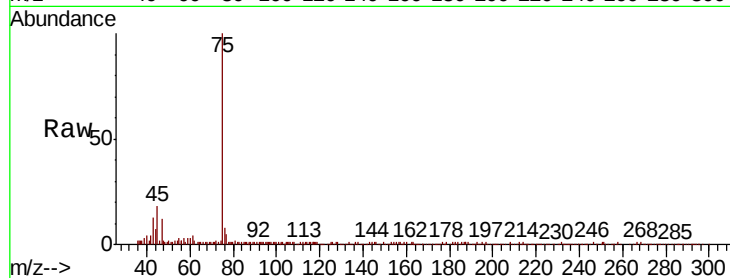
PB127948ZHE#09

Tot Ion: 43 Resp: 12736

Ion Ratio Lower Upper

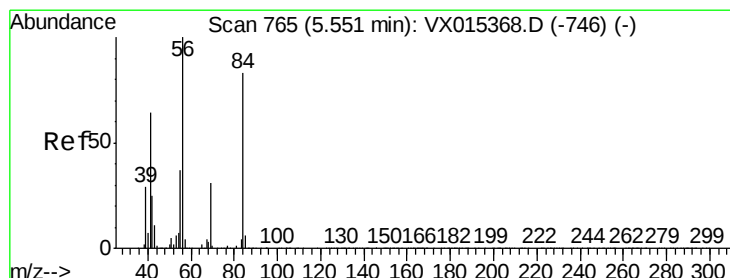
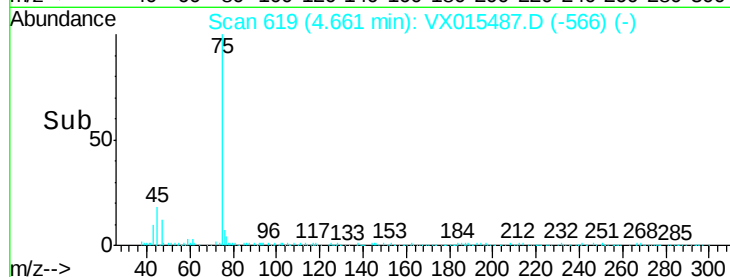
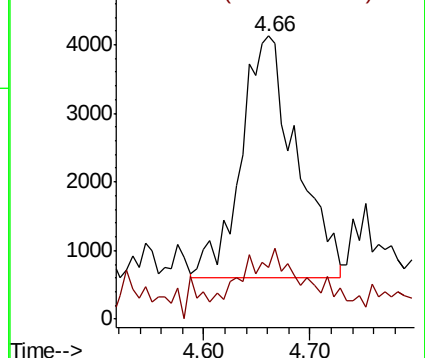
43 100

72 8.3 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.181 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

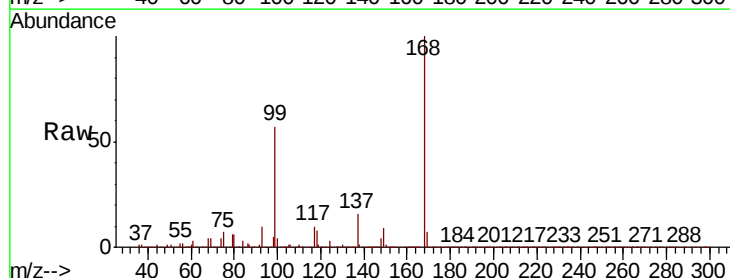
Tgt Ion: 56 Resp: 23574

Ion Ratio Lower Upper

56 100

69 183.2 24.6 36.8#

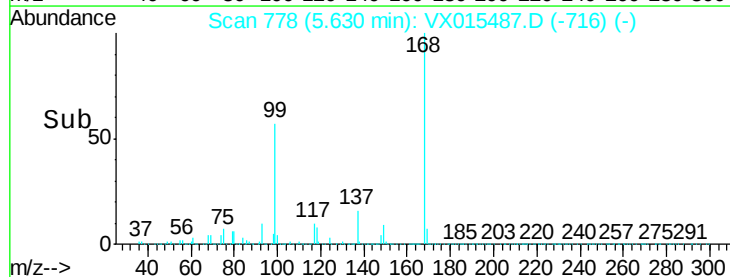
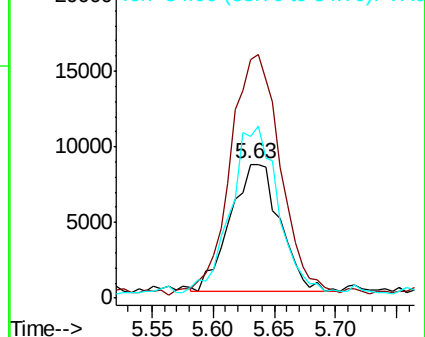
84 121.8 66.1 99.1#

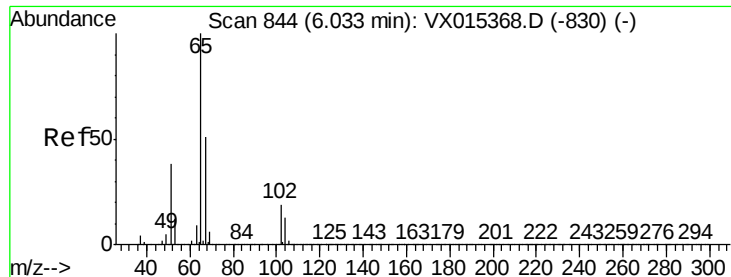


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

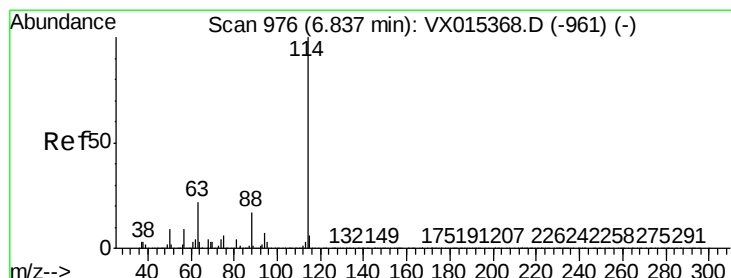
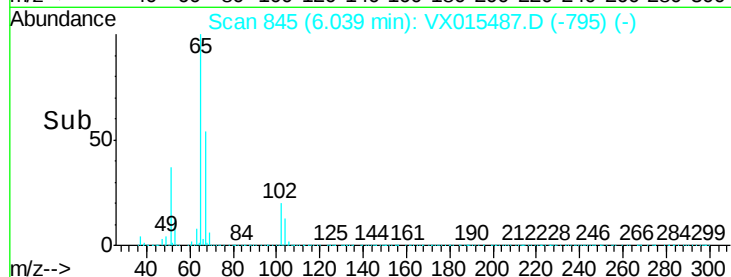
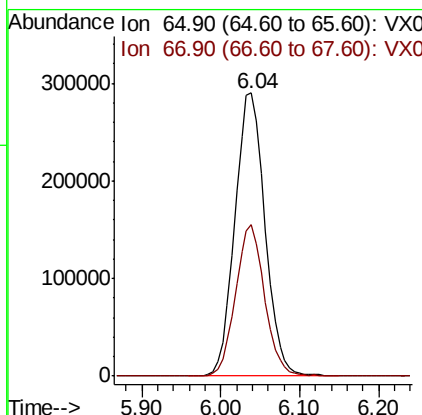
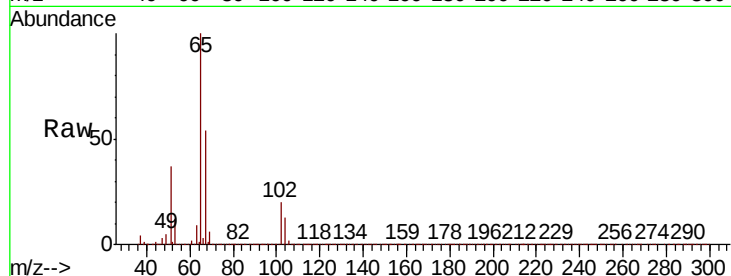




#33
 1,2-Dichloroethane-d4
 Concen: 48.799 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015487.D
 Acq: 02 Apr 2020 17:14

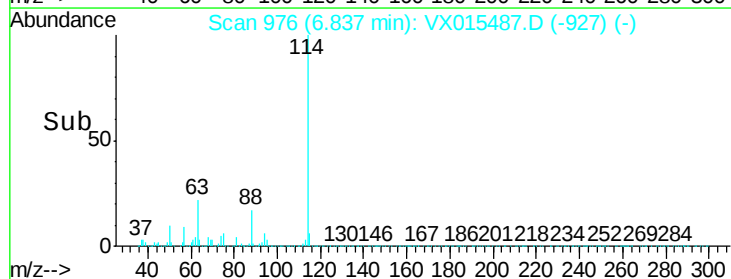
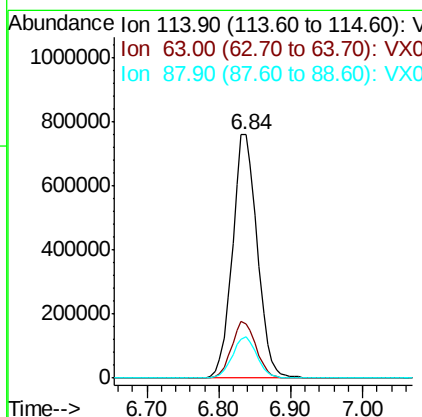
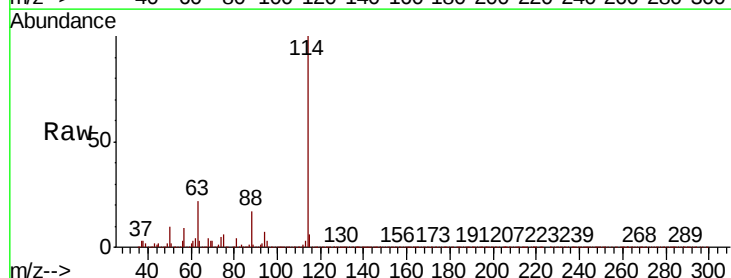
Instrument :
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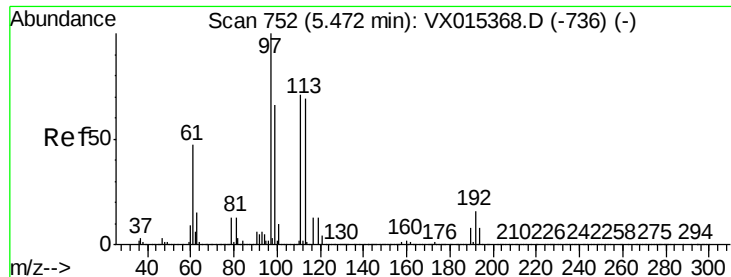
Tot Ion: 65 Resp: 769546
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015487.D
 Acq: 02 Apr 2020 17:14

Tgt Ion: 114 Resp: 1818656
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.2
 88 17.1 0.0 33.8

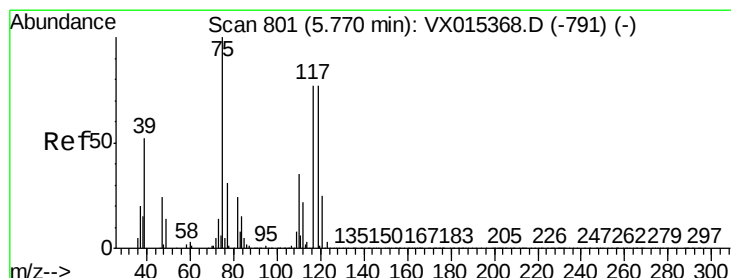
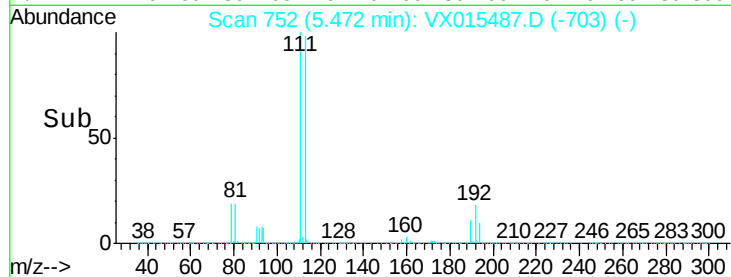
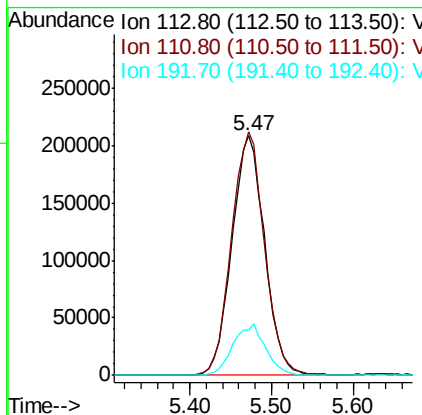
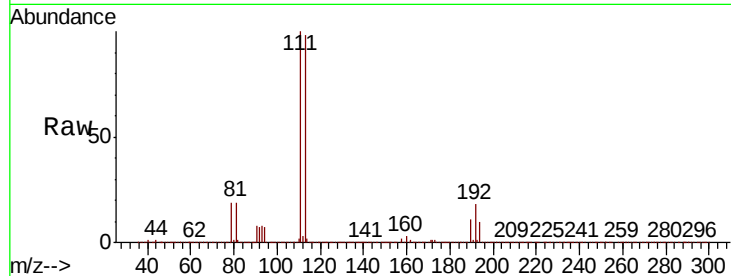




#35
Dibromofluoromethane
Concen: 49.721 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

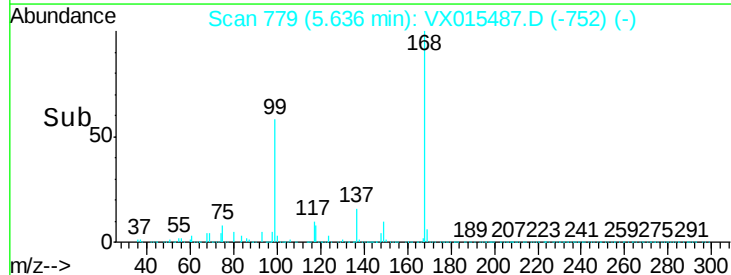
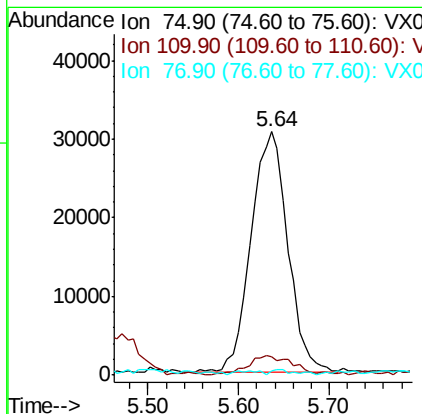
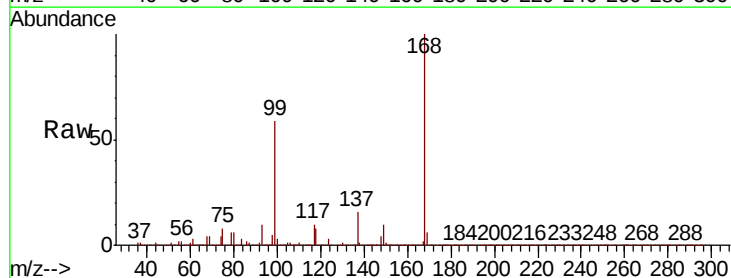
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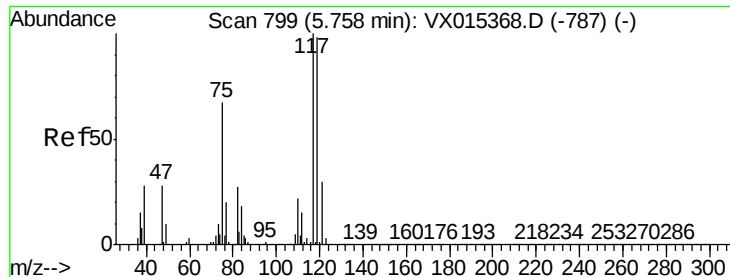
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.5	122.3
192	21.2	17.8	26.6



#36
1,1-Dichloropropene
Concen: 5.145 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.1	51.3#
77	1.2	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.217 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#09

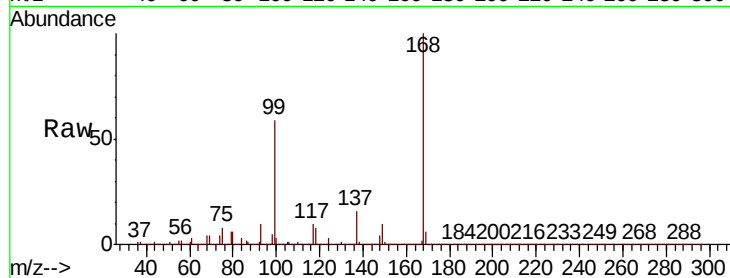
Tot Ion:117 Resp: 112840

Ion Ratio Lower Upper

117 100

119 3.0 78.0 117.0#

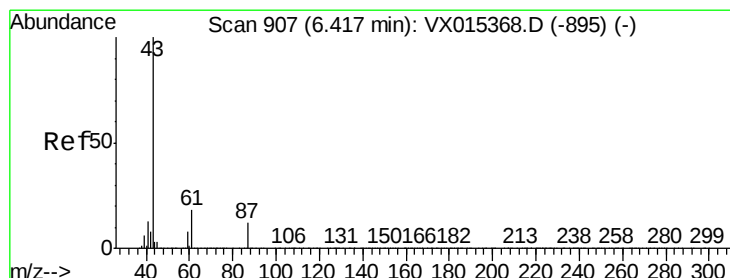
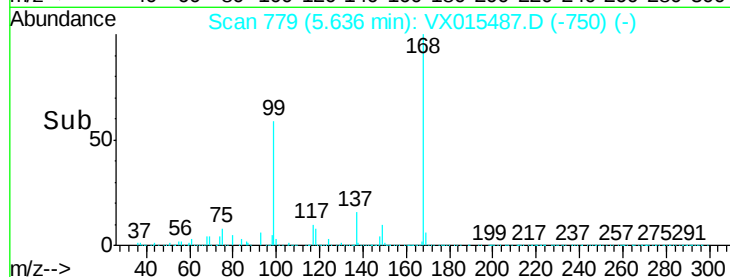
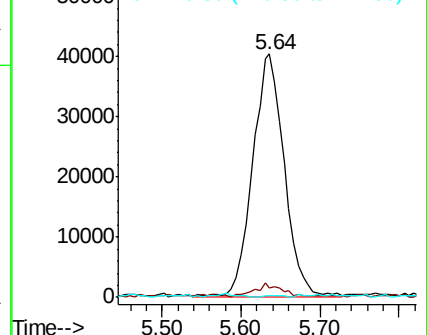
121 0.6 23.8 35.8#



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: 10.549 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

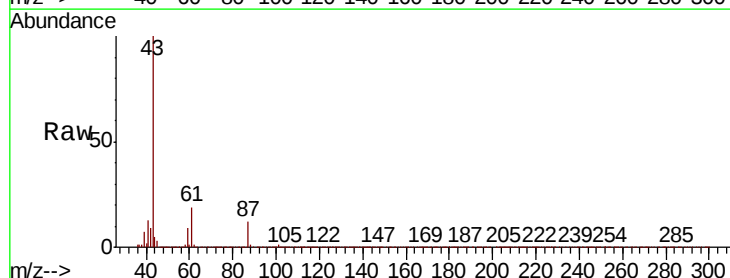
Tgt Ion: 43 Resp: 388539

Ion Ratio Lower Upper

43 100

61 17.7 14.8 22.2

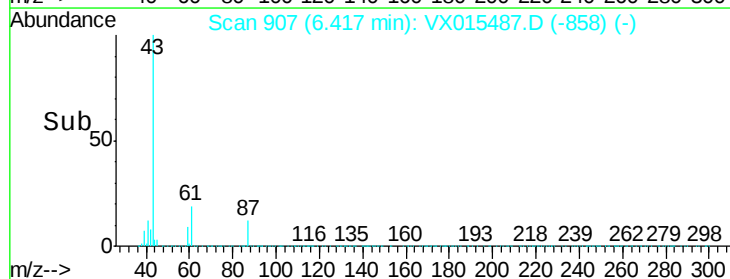
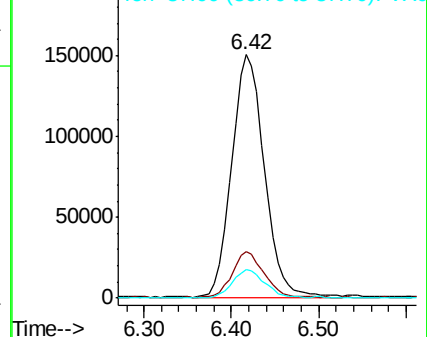
87 11.6 9.4 14.0

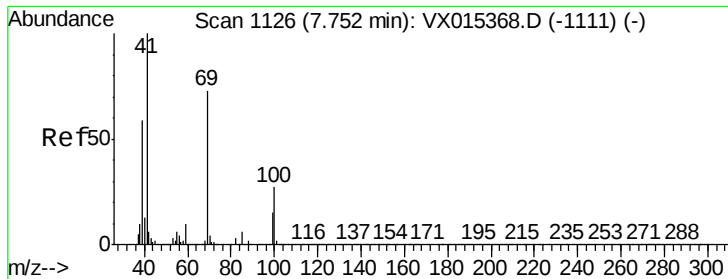


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

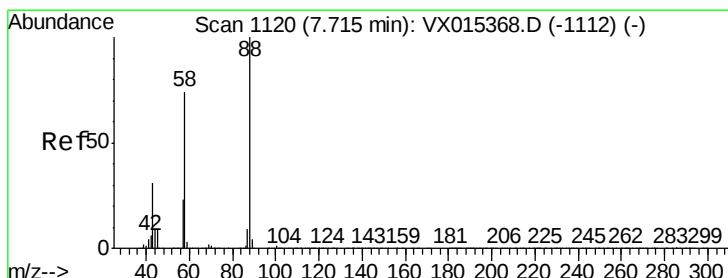
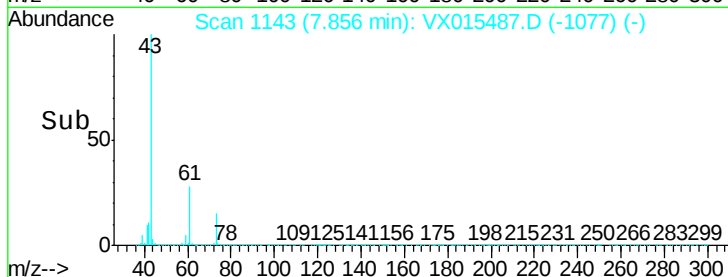
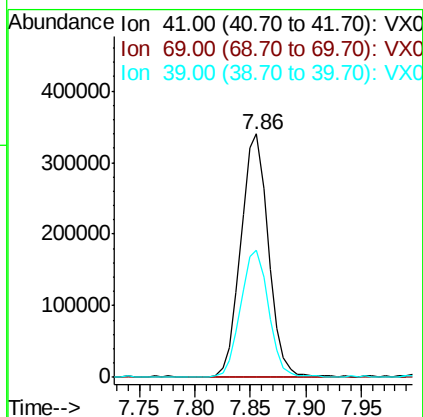
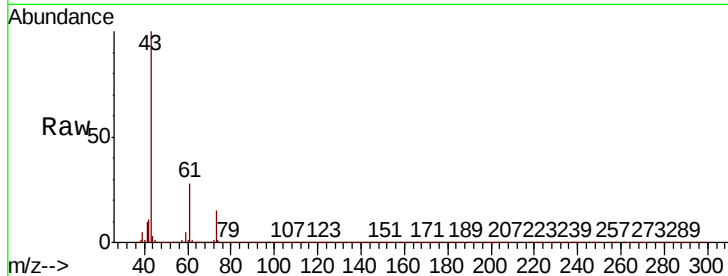




#48
Methvl methacrylate
Concen: 31.739 ug/l
RT: 7.86 min Scan# 1143
Delta R.T. 0.10 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

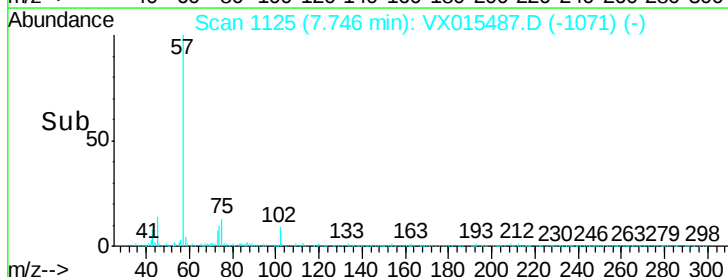
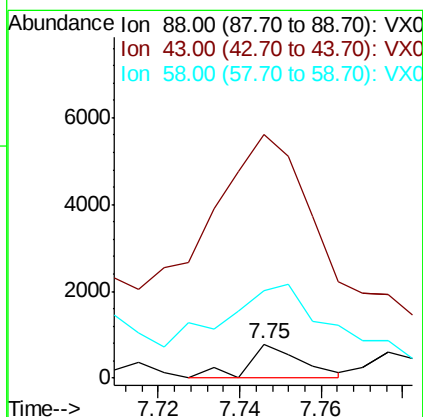
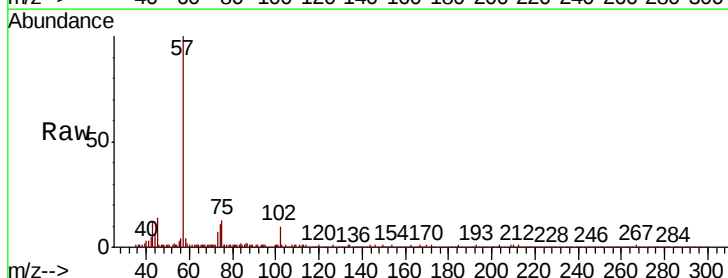
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#09

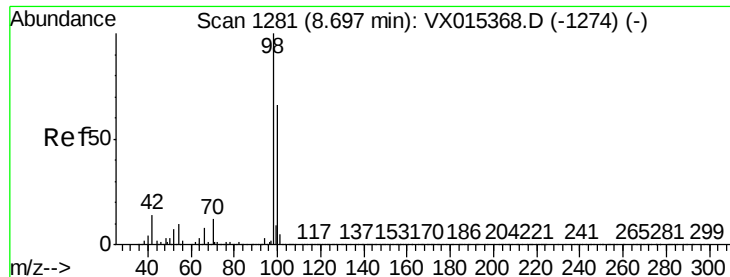
Tot Ion: 41 Resp: 583903
Ion Ratio Lower Upper
41 100
69 0.2 56.7 85.1#
39 52.8 46.5 69.7



#49
1,4-Dioxane
Concen: 2.101 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.03 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

Tgt Ion: 88 Resp: 721
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 602.9 60.6 90.8#

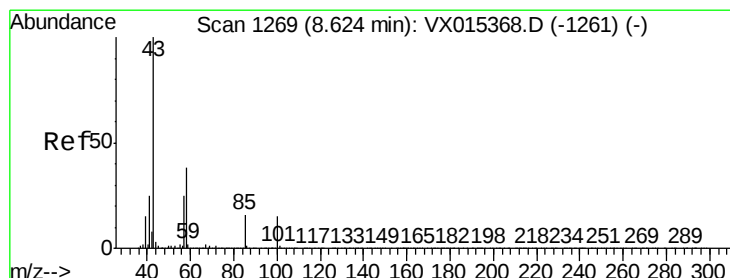
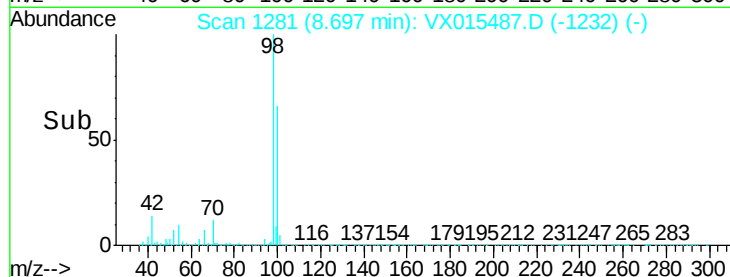
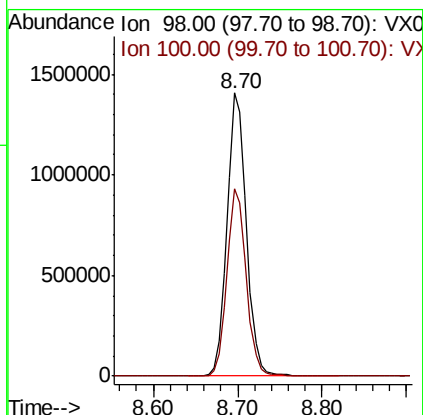
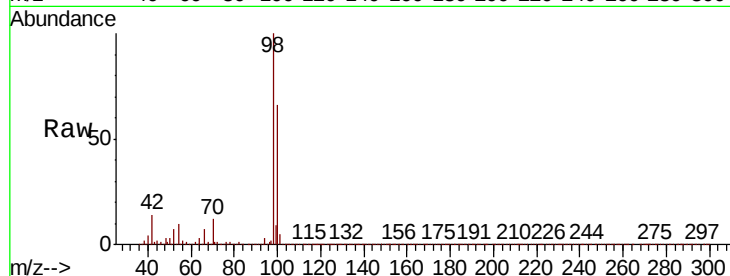




#50
Toluene-d8
Concen: 51.591 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

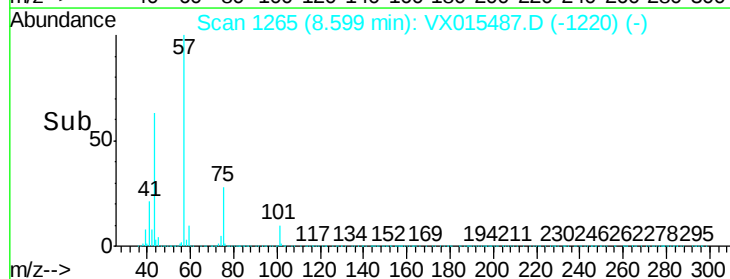
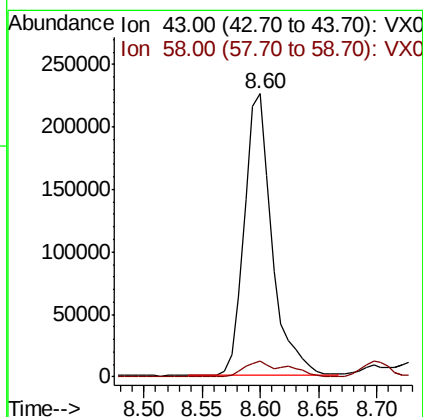
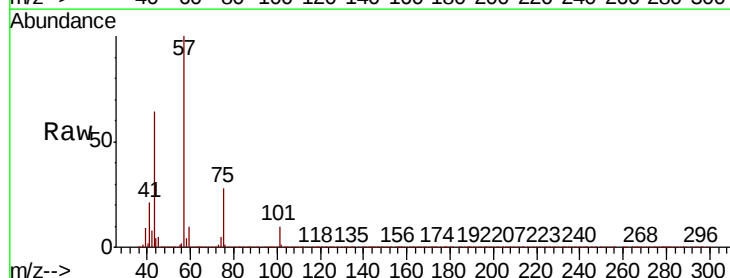
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#09

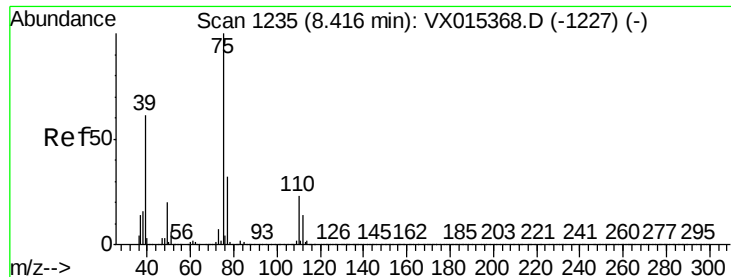
Tot Ion: 98 Resp: 2208158
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 18.074 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

Tgt Ion: 43 Resp: 377259
Ion Ratio Lower Upper
43 100
58 8.7 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 6.829 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#09

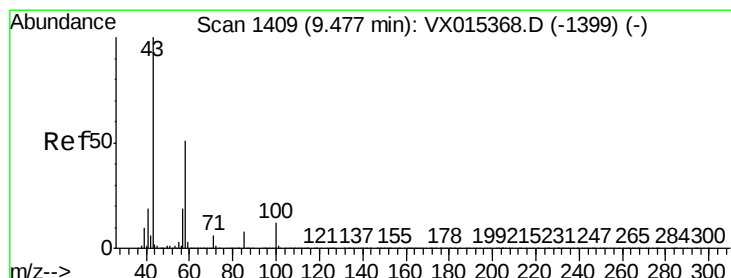
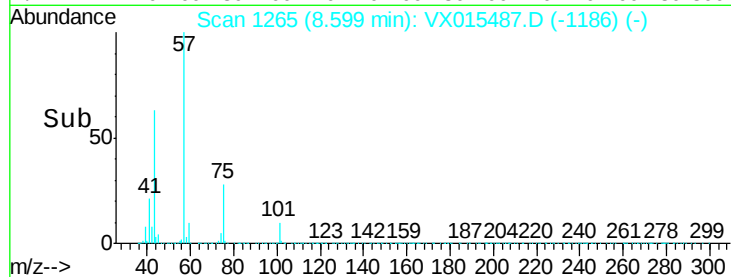
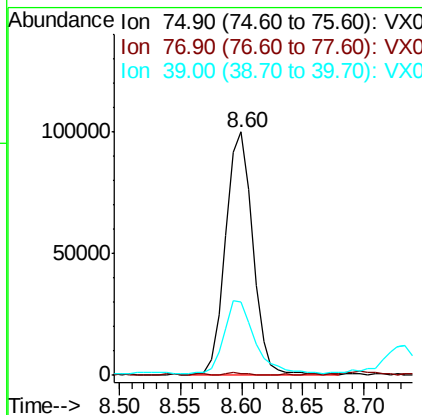
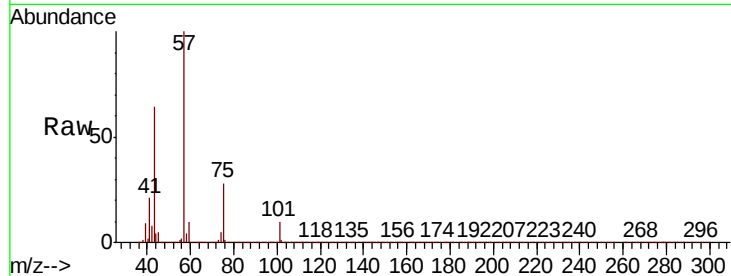
Tot Ion: 75 Resp: 153124

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.6#

39 29.6 49.0 73.4#



#59

2-Hexanone

Concen: 25.547 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015487.D

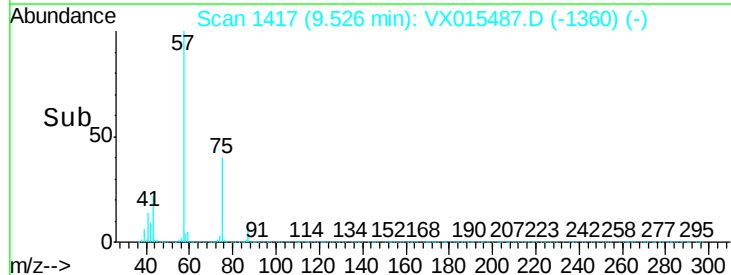
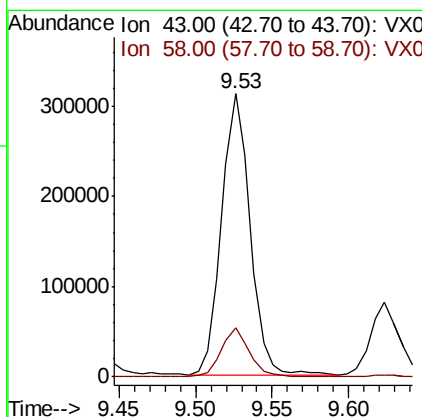
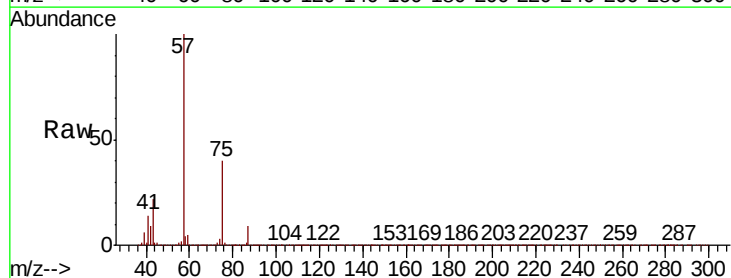
Acq: 02 Apr 2020 17:14

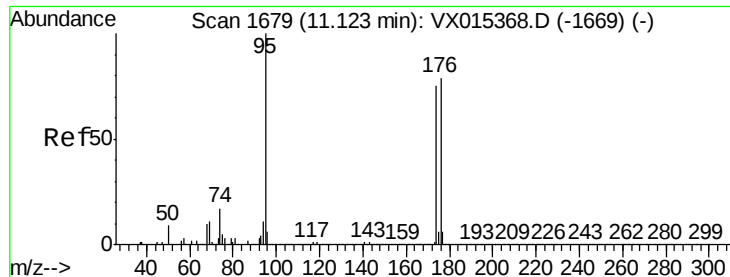
Tgt Ion: 43 Resp: 402593

Ion Ratio Lower Upper

43 100

58 17.1 25.6 76.6#

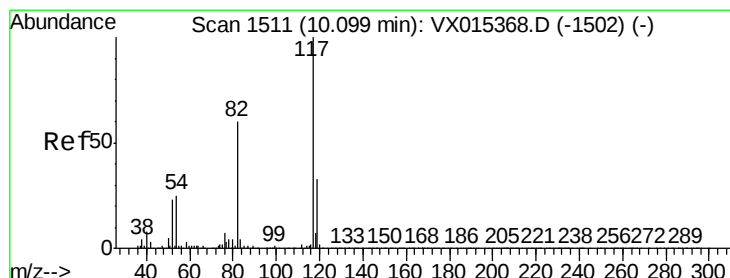
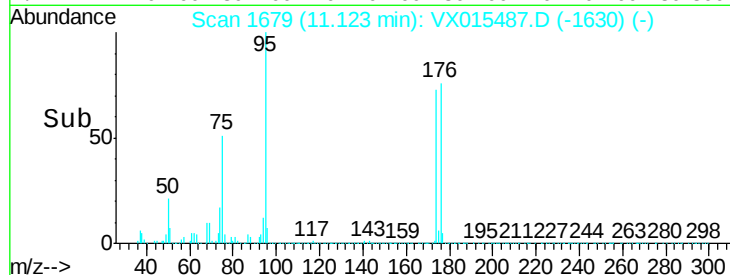
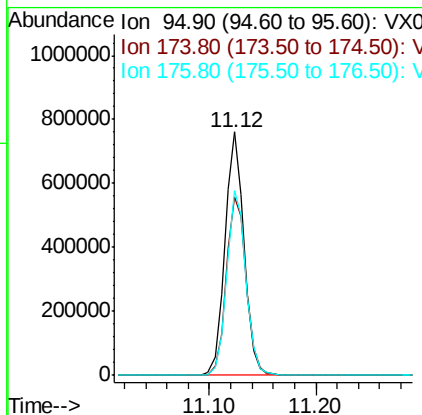
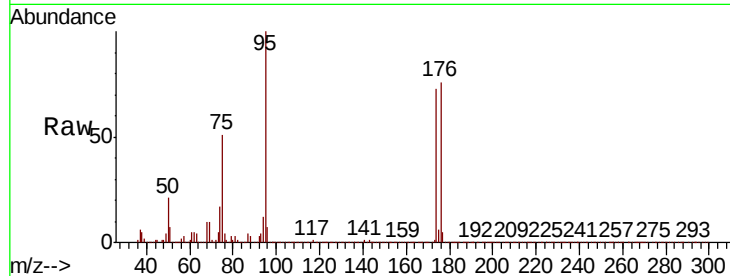




#62
4-Bromofluorobenzene
Concen: 54.498 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

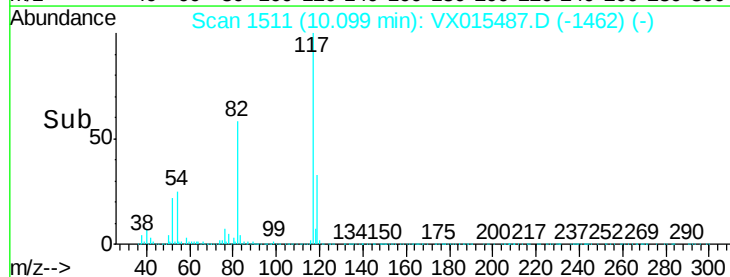
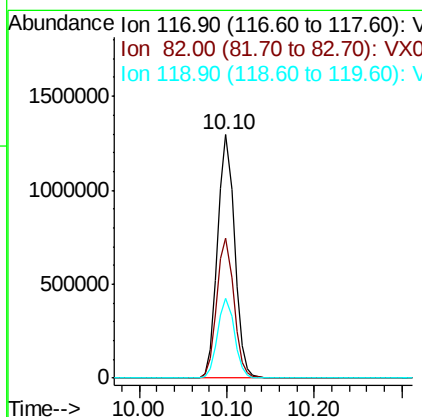
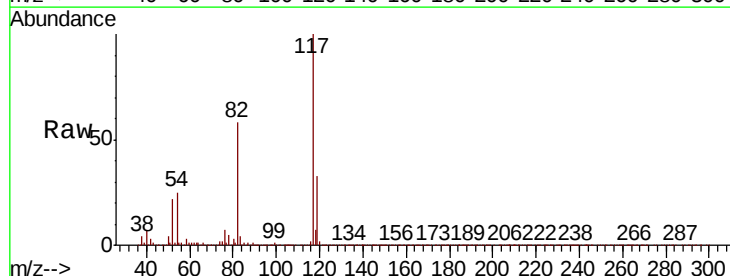
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#09

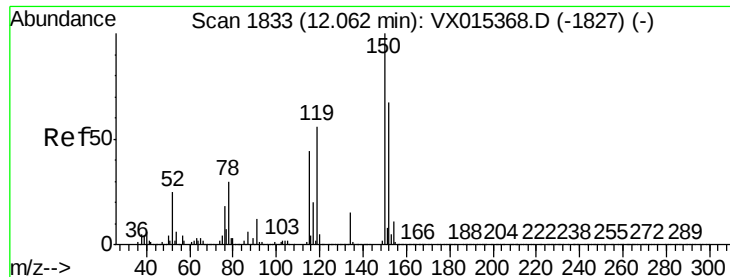
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	158.6
176	76.3	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015487.D
Acq: 02 Apr 2020 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.8
119	32.9	26.8	40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#09

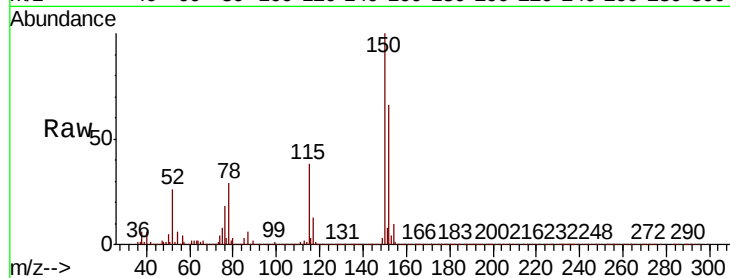
Tot Ion:152 Resp: 940279

Ion Ratio Lower Upper

152 100

115 57.5 39.0 116.9

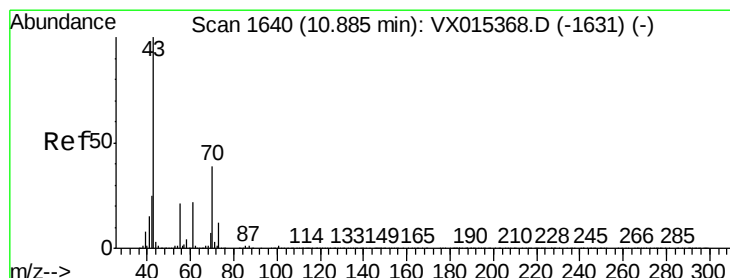
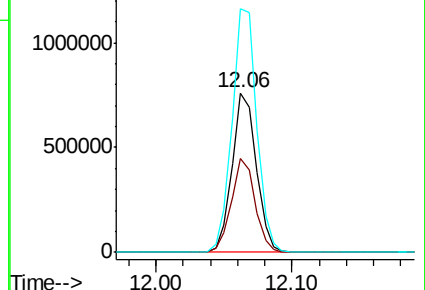
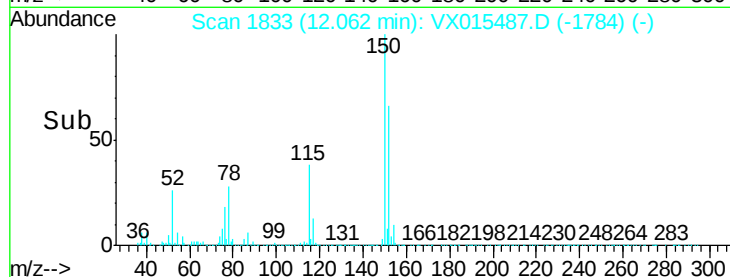
150 156.1 0.0 340.8



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-aryl acetate

Concen: 0.273 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. -0.03 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

Tgt Ion: 43 Resp: 9369

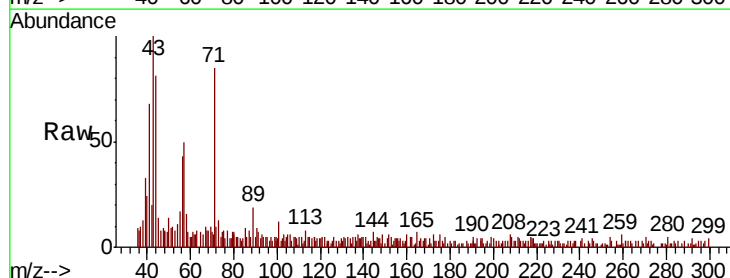
Ion Ratio Lower Upper

43 100

70 14.7 30.2 45.4#

55 0.0 16.8 25.2#

61 0.0 18.2 27.2#

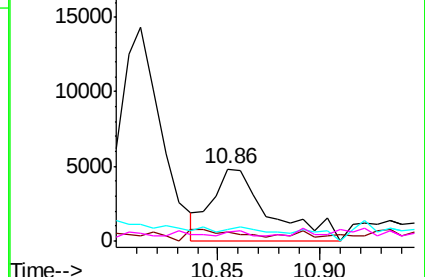
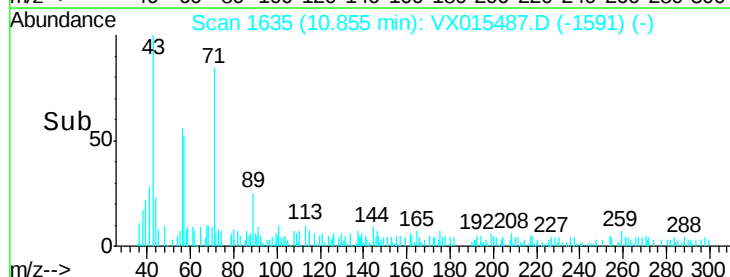


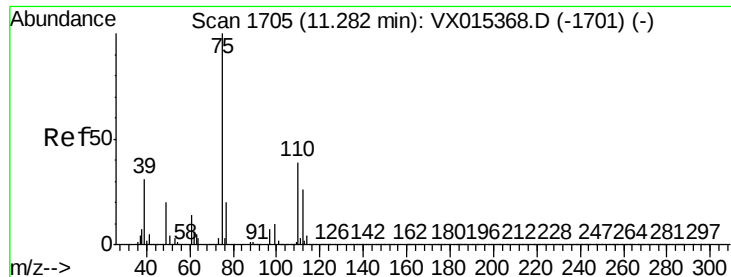
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#76

1,2,3-Trichloropropane

Concen: 25.358 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

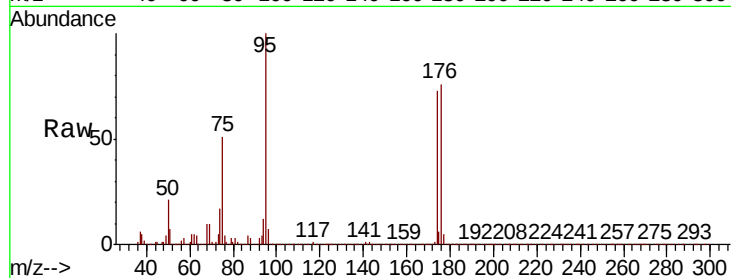
PB127948ZHE#09

Tot Ion: 75 Resp: 490331

Ion Ratio Lower Upper

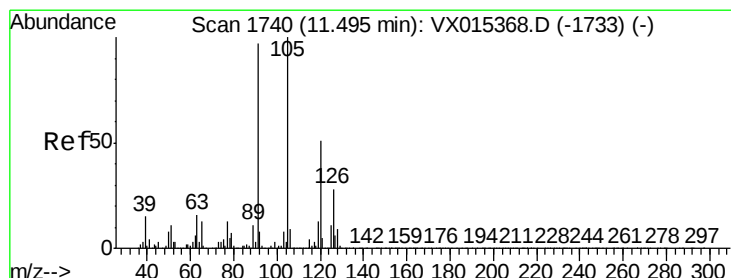
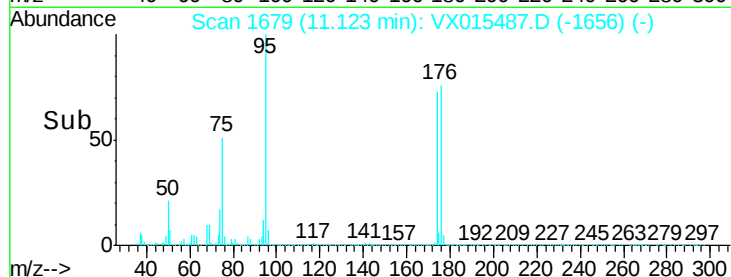
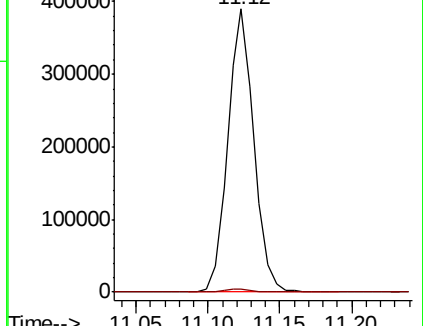
75 100

77 1.2 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.887 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015487.D

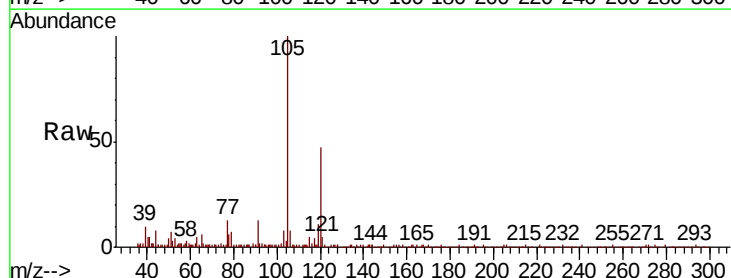
Acq: 02 Apr 2020 17:14

Tgt Ion:105 Resp: 46683

Ion Ratio Lower Upper

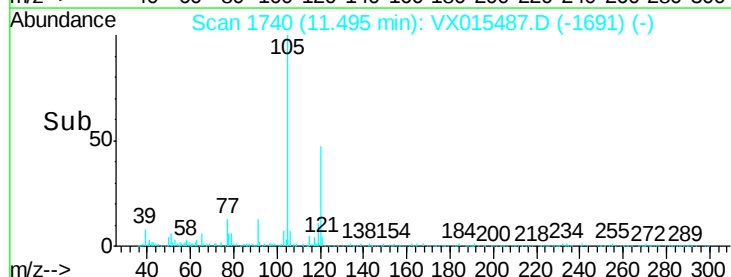
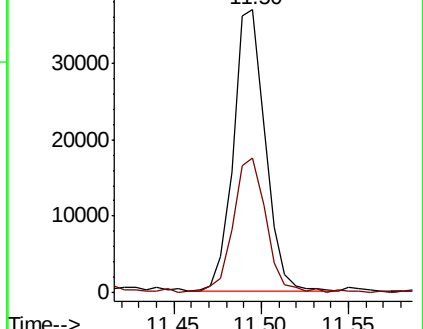
105 100

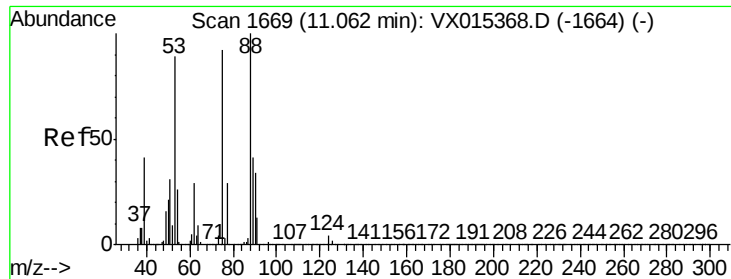
120 48.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 60.846 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015487.D

Acq: 02 Apr 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#09

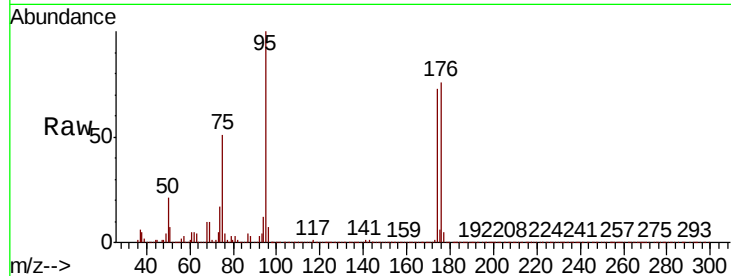
Tot Ion: 75 Resp: 490331

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#



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

