

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015491.D
 Acq On : 02 Apr 2020 18:45
 Operator : JC/SP
 Sample : PB127948ZHE#13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#13

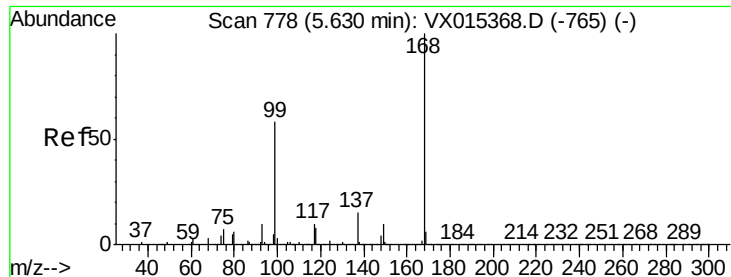
Quant Time: Apr 03 08:04:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1069996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1735020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1655799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	922216	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	735660	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	5.48	113	551241	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.70	98	2087364	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.12	95	913339	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1439	Below Cal	#	8
6) Chloroethane	1.69	64	1779	0.260	ug/l #	71
11) Tert butyl alcohol	3.00	59	23804	6.590	ug/l #	80
16) Acetone	2.42	43	42315	6.527	ug/l	97
18) Methyl Acetate	2.75	43	14364	0.868	ug/l #	81
20) Methylene Chloride	2.84	84	14362	1.186	ug/l	95
25) 2-Butanone	4.66	43	21051	2.019	ug/l #	80
31) Cyclohexane	5.63	56	24282	1.271	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	82543	5.163	ug/l #	52
38) Carbon Tetrachloride	5.64	117	103432	5.974	ug/l #	15
41) Methacrylonitrile	5.00	41	2677	0.232	ug/l #	58
43) Isopropyl Acetate	6.42	43	353116	10.049	ug/l	99
48) Methyl methacrylate	7.65	41	18482	1.053	ug/l #	21
49) 1,4-Dioxane	7.73	88	581	1.774	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	341317	17.140	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	138528	6.476	ug/l #	55
59) 2-Hexanone	9.42	43	323771	21.535	ug/l #	27
74) N-amyl acetate	10.81	43	18355	0.546	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	473533	24.969	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	16827	0.326	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	473533	59.913	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

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MSVOA_X

ClientSampleId :

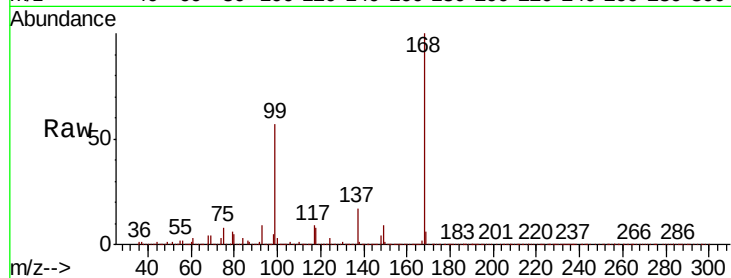
PB127948ZHE#13

Tot Ion:168 Resp: 1069996

Ion Ratio Lower Upper

168 100

99 56.9 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

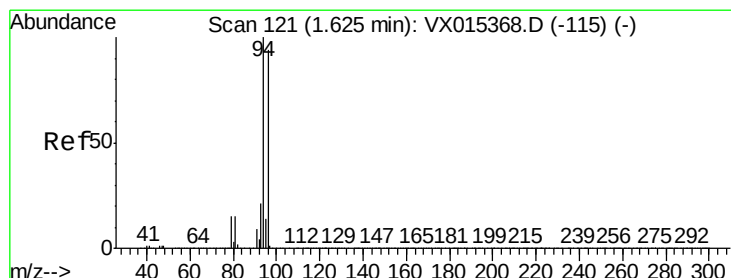
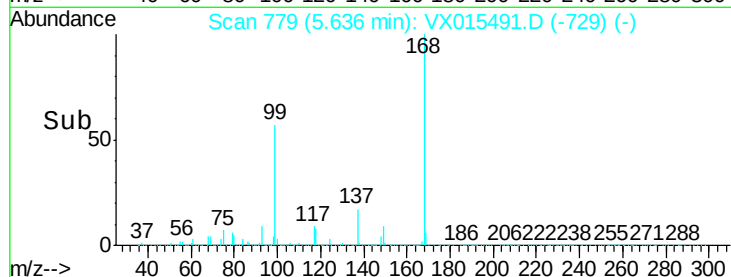
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015491.D

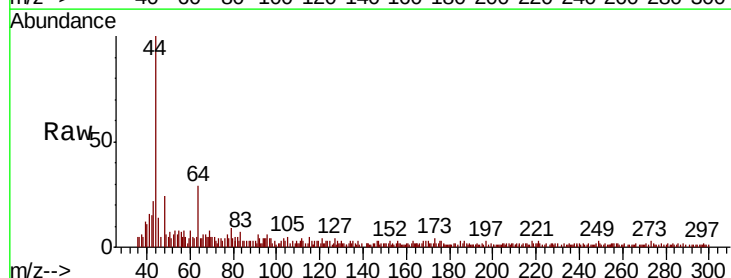
Acq: 02 Apr 2020 18:45

Tgt Ion: 94 Resp: 1439

Ion Ratio Lower Upper

94 100

96 5.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

1000

800

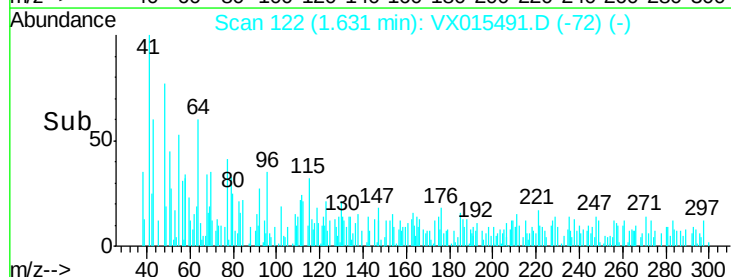
600

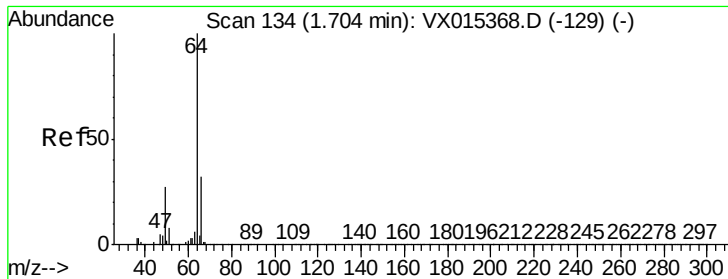
400

200

0

Time-->





#6

Chloroethane

Concen: 0.260 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

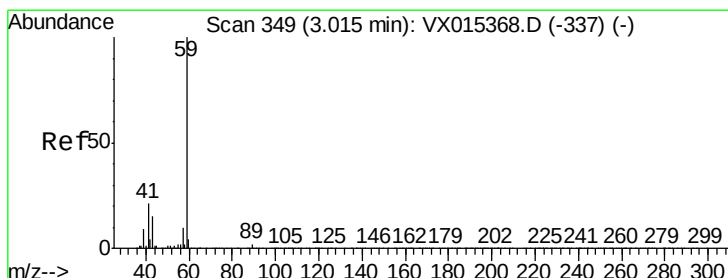
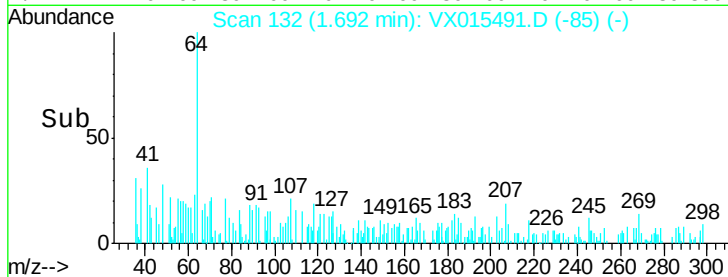
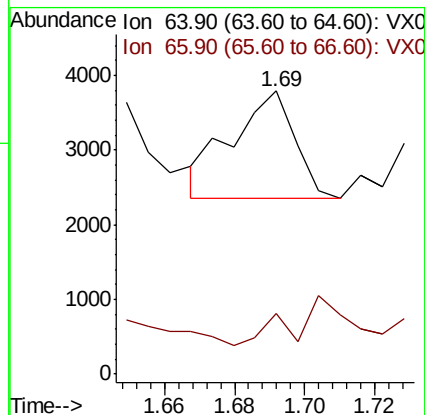
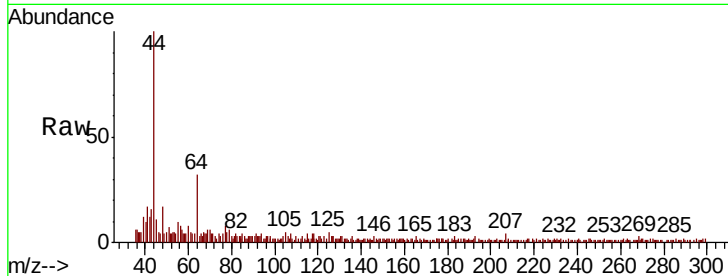
PB127948ZHE#13

Tot Ion: 64 Resp: 1779

Ion Ratio Lower Upper

64 100

66 15.8 25.4 38.2#



#11

Tert butyl alcohol

Concen: 6.590 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015491.D

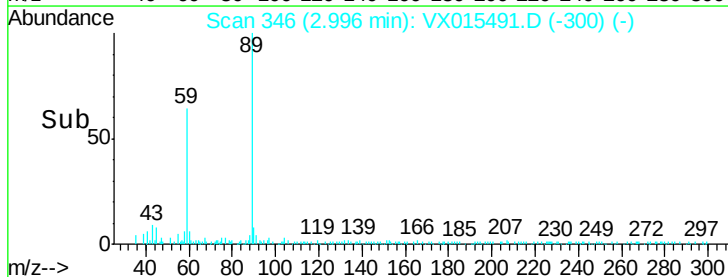
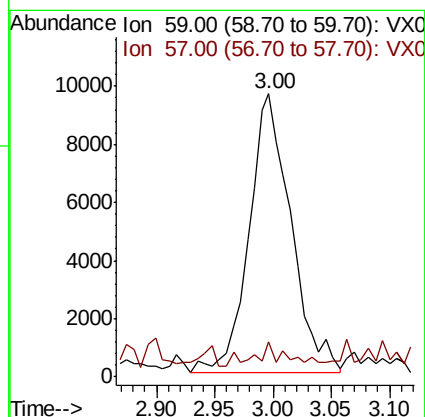
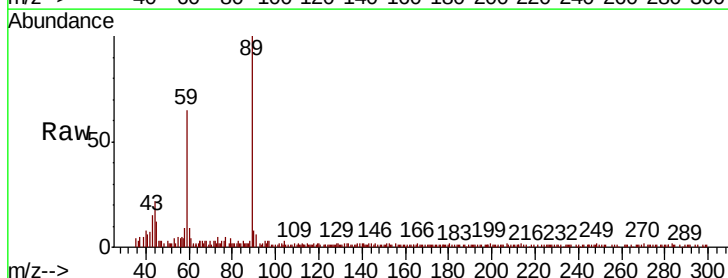
Acq: 02 Apr 2020 18:45

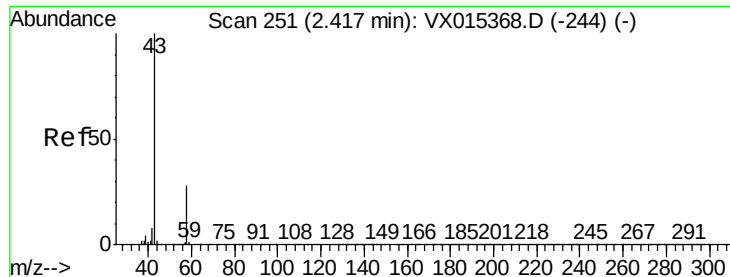
Tgt Ion: 59 Resp: 23804

Ion Ratio Lower Upper

59 100

57 2.8 8.1 12.1#

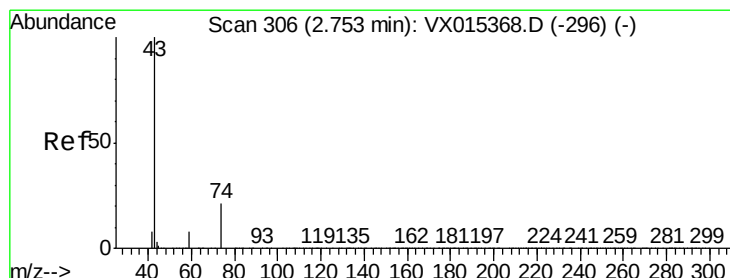
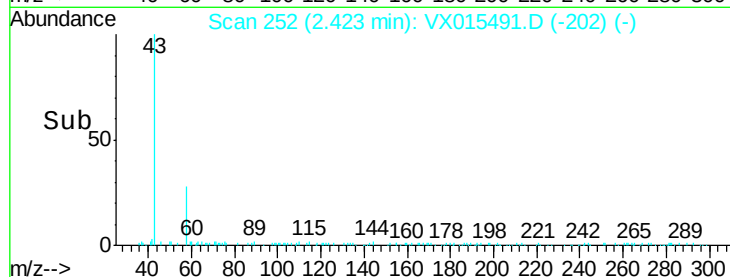
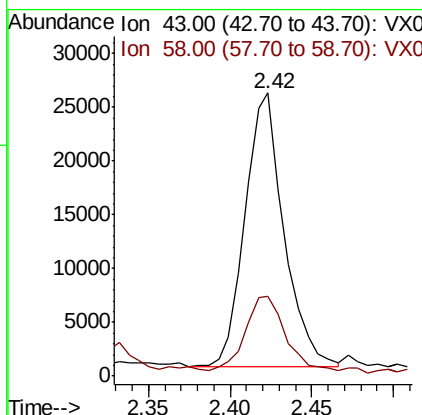
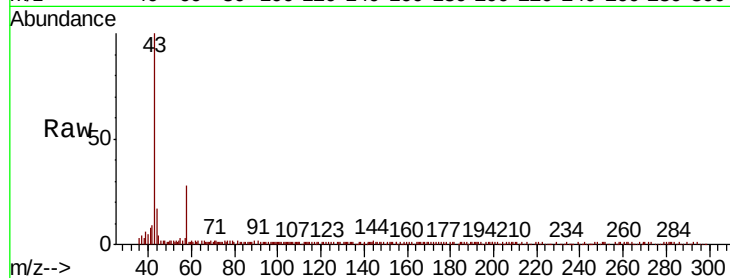




#16
Acetone
Concen: 6.527 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

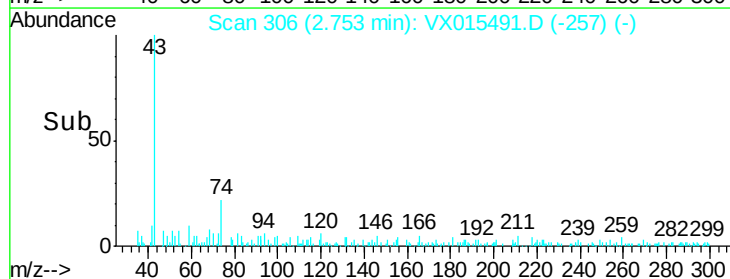
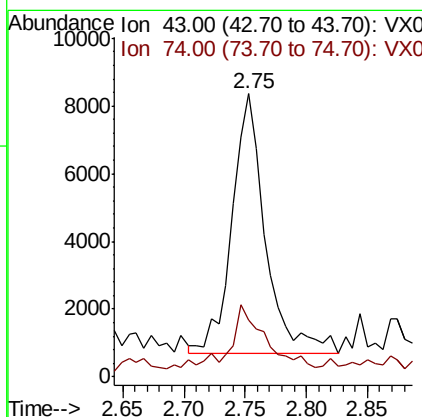
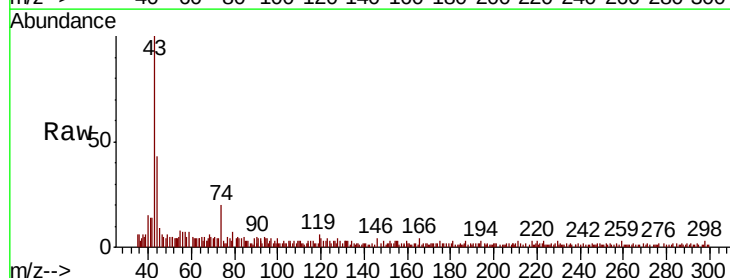
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#13

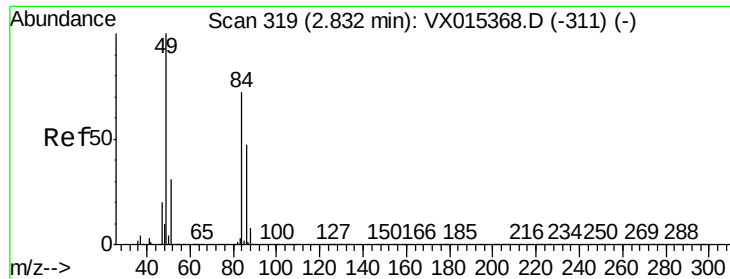
Tot Ion: 43 Resp: 42315
Ion Ratio Lower Upper
43 100
58 26.0 22.1 33.1



#18
Methyl Acetate
Concen: 0.868 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion: 43 Resp: 14364
Ion Ratio Lower Upper
43 100
74 29.2 16.5 24.7#

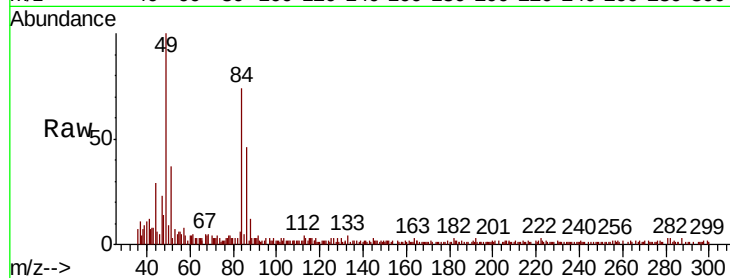




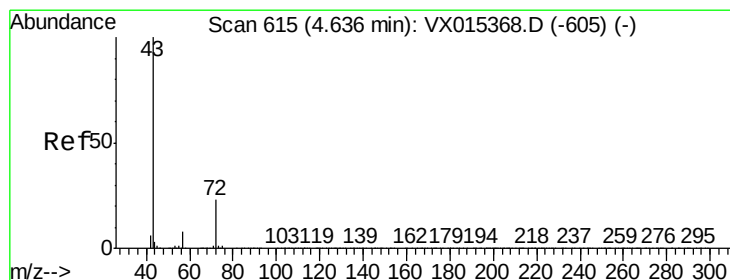
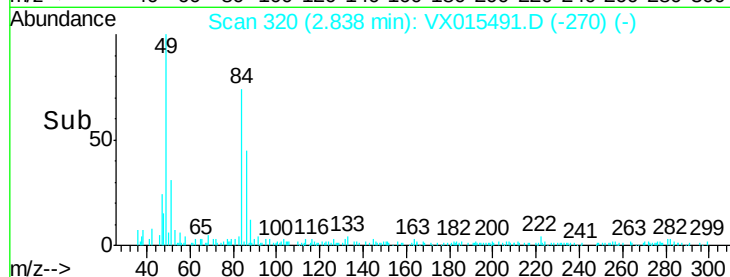
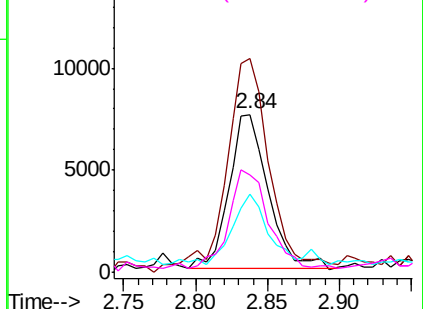
#20
Methylene Chloride
Concen: 1.186 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#13

Tot Ion: 84 Resp: 14362
Ion Ratio Lower Upper
84 100
49 133.5 111.3 166.9
51 44.0 34.0 51.0
86 60.9 52.5 78.7

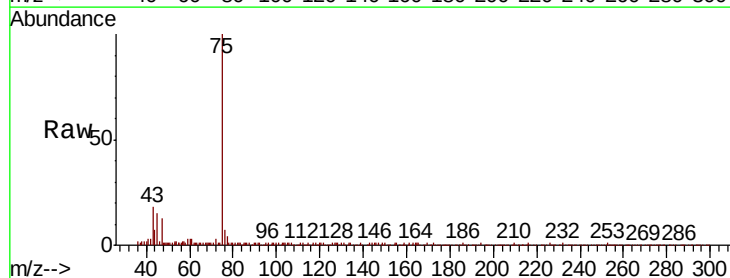


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

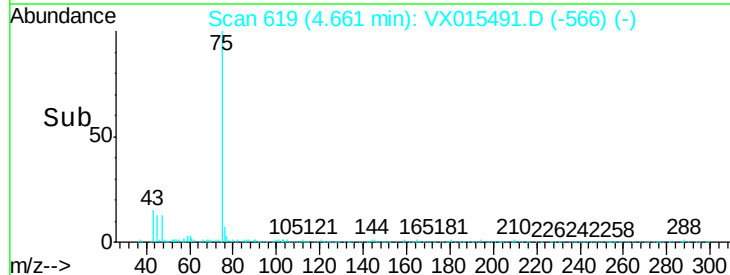
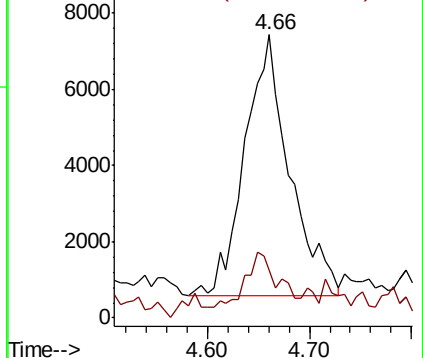


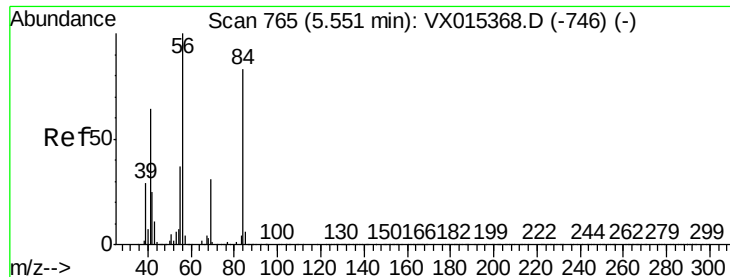
#25
2-Butanone
Concen: 2.019 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.02 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion: 43 Resp: 21051
Ion Ratio Lower Upper
43 100
72 14.0 19.0 28.4#



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

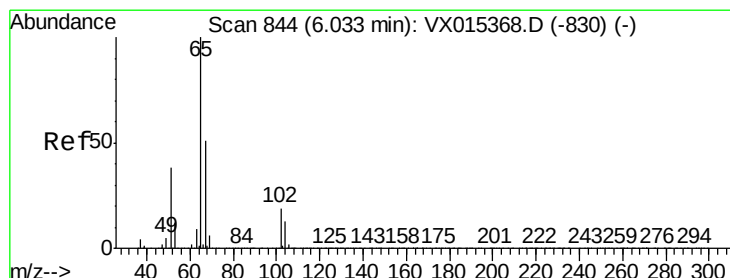
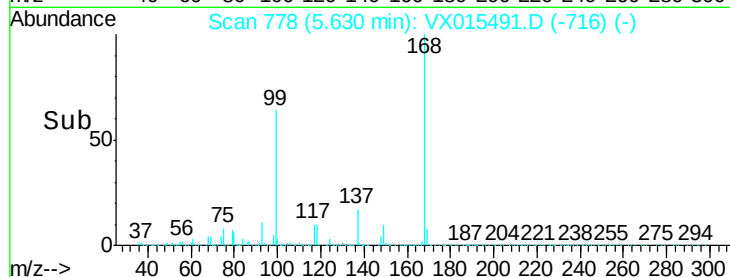
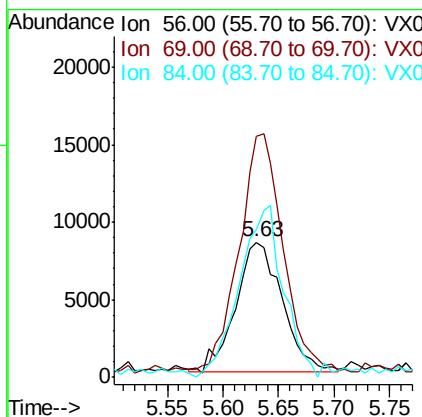
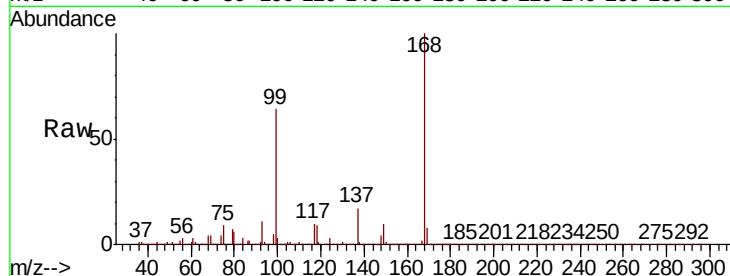




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

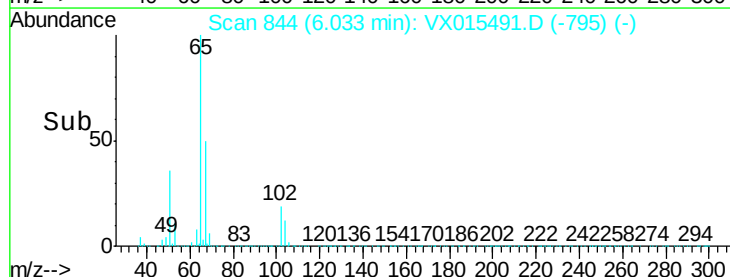
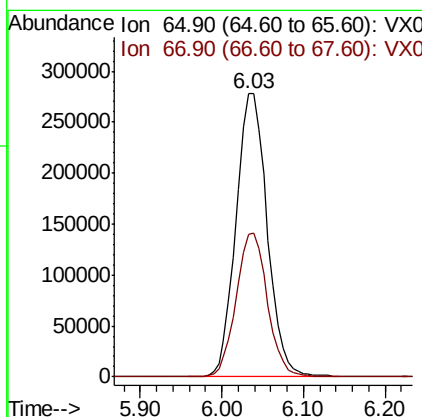
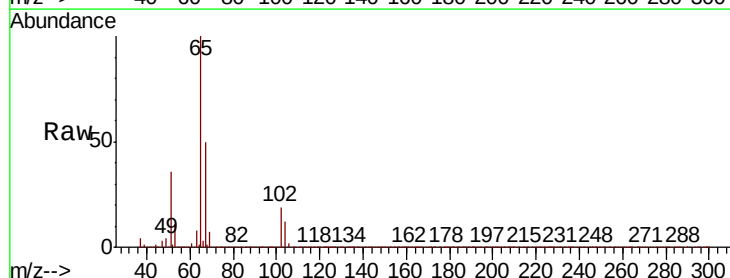
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#13

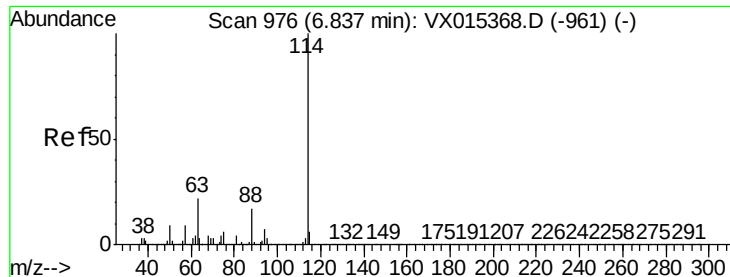
Tot Ion	Ratio	Lower	Upper
56	100		
69	185.6	24.6	36.8#
84	113.4	66.1	99.1#



#33
1,2-Dichloroethane-d4
Concen: 48.748 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.6

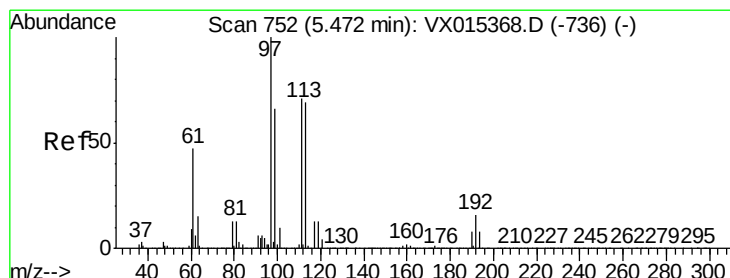
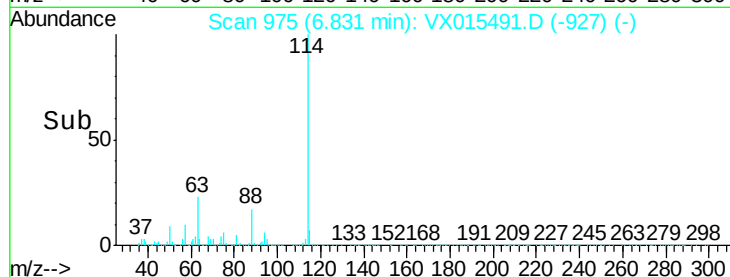
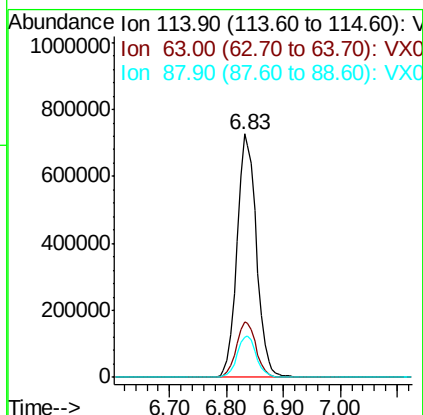
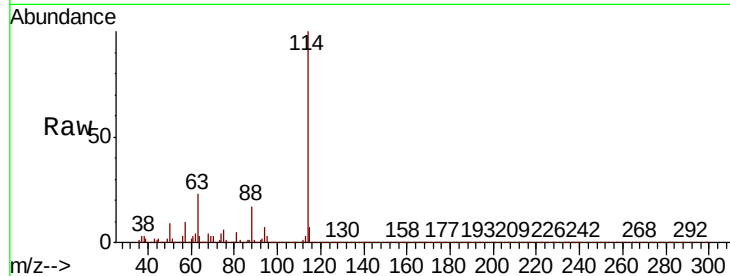




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 975
Delta R.T. -0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

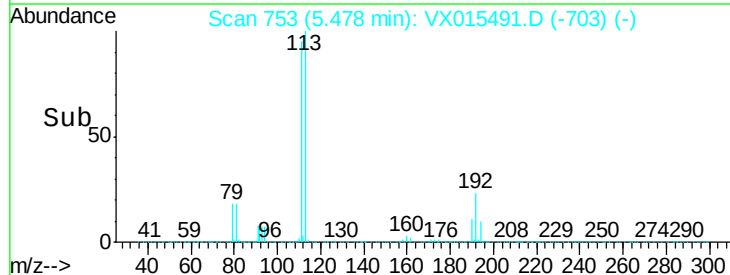
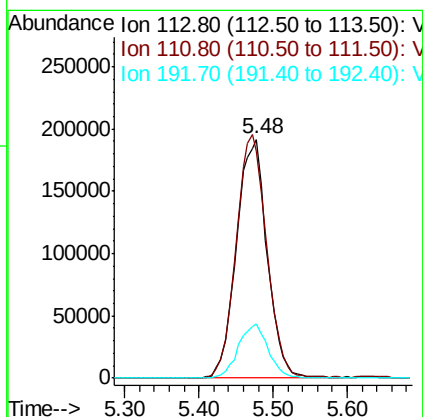
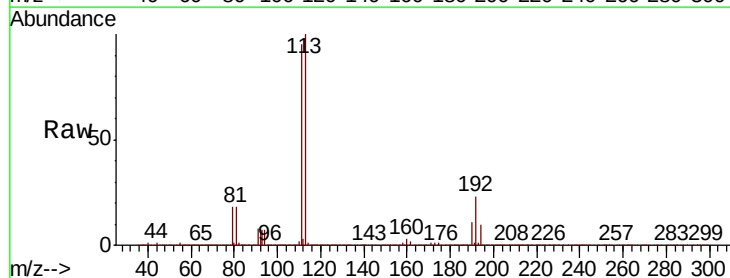
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#13

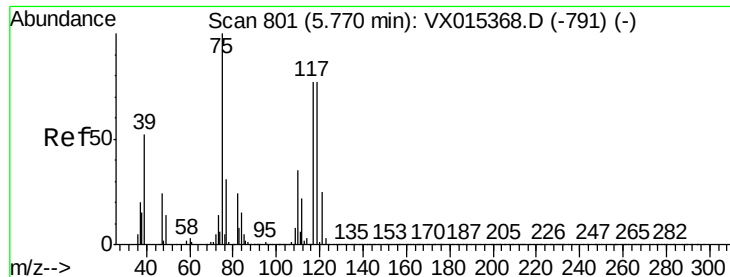
Tot Ion:114 Resp: 1735020
Ion Ratio Lower Upper
114 100
63 22.7 0.0 44.2
88 16.7 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.703 ug/l
RT: 5.48 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion:113 Resp: 551241
Ion Ratio Lower Upper
113 100
111 101.8 81.5 122.3
192 22.1 17.8 26.6





#36

1,1-Dichloropropene

Concen: 5.163 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#13

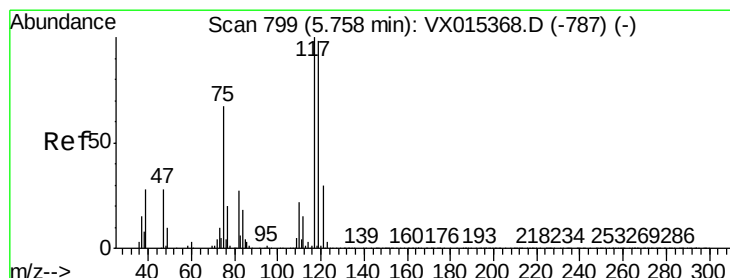
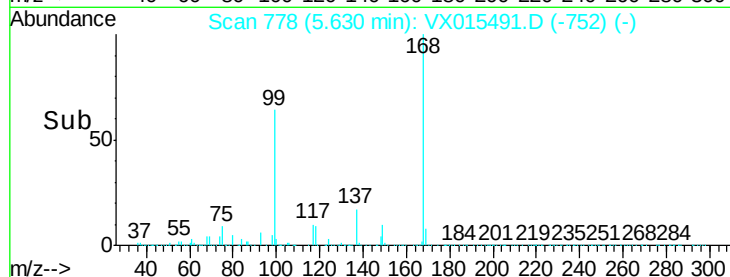
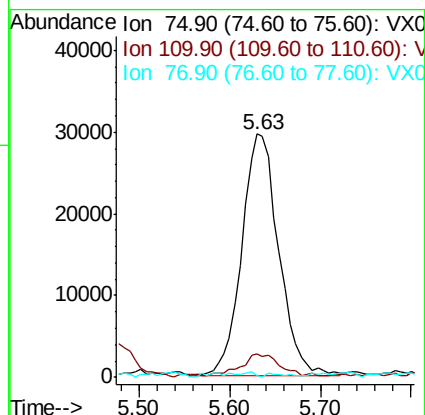
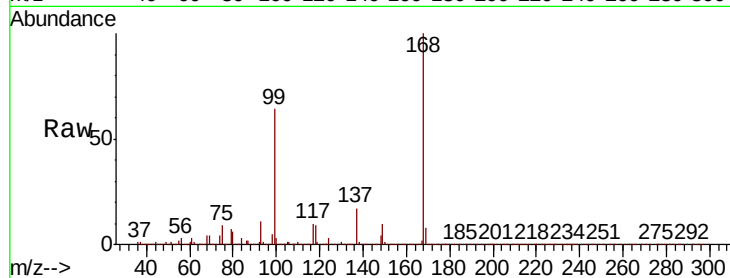
Tot Ion: 75 Resp: 82543

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.3#

77 0.6 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.974 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

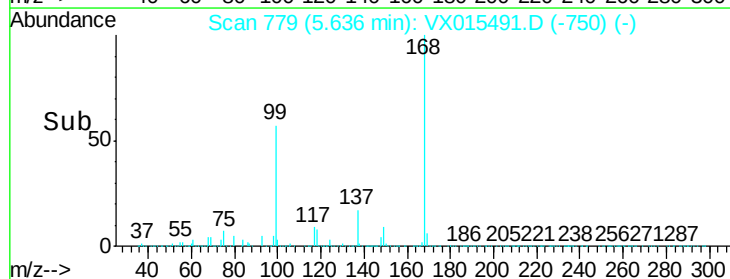
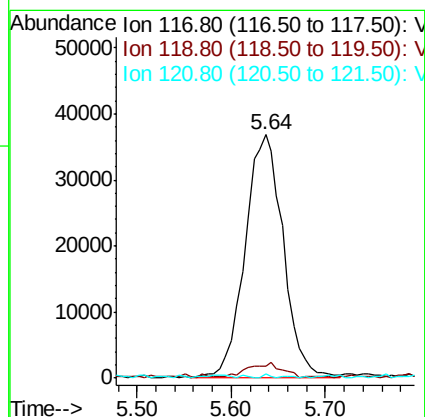
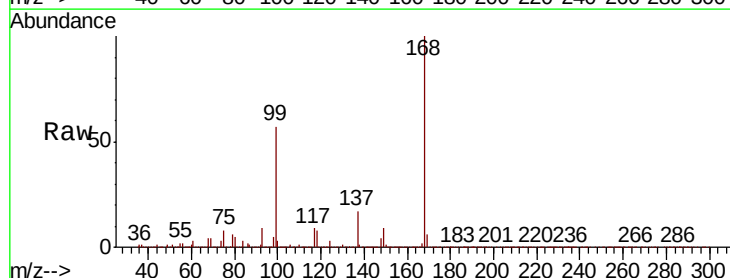
Tgt Ion: 117 Resp: 103432

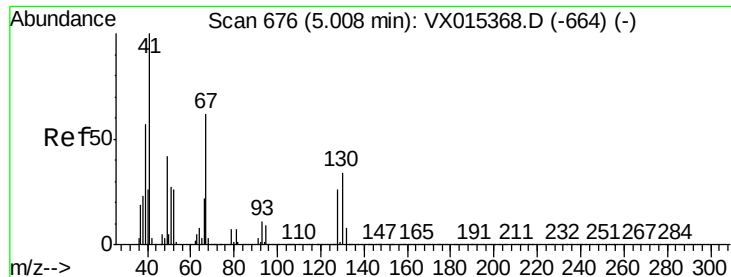
Ion Ratio Lower Upper

117 100

119 3.9 78.0 117.0#

121 1.4 23.8 35.8#





#41

Methacrylonitrile

Concen: 0.232 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#13

Tot Ion: 41 Resp: 2677

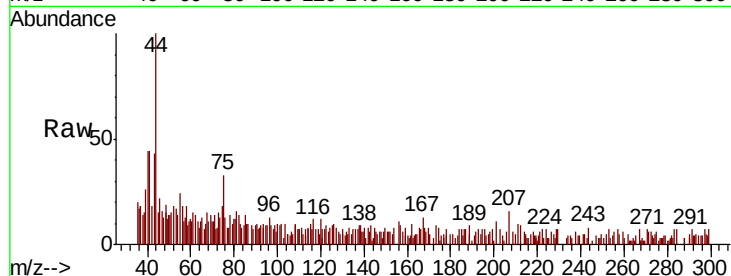
Ion Ratio Lower Upper

41 100

39 32.5 44.5 66.7#

67 13.2 48.9 73.3#

52 17.6 21.8 32.6#



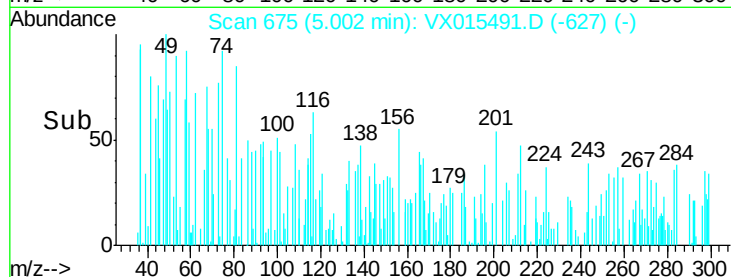
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

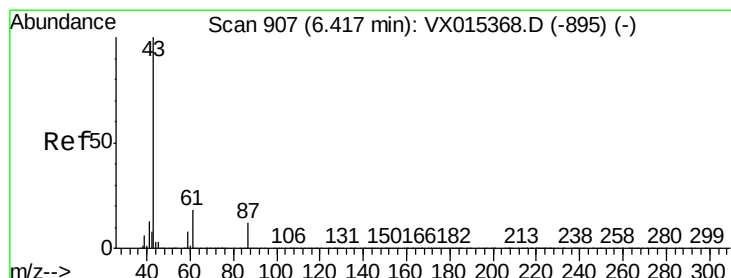
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Time-->



Time-->



#43

Isopropyl Acetate

Concen: 10.049 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

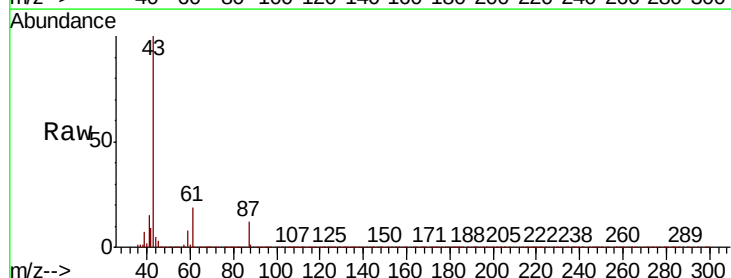
Tgt Ion: 43 Resp: 353116

Ion Ratio Lower Upper

43 100

61 19.3 14.8 22.2

87 11.6 9.4 14.0

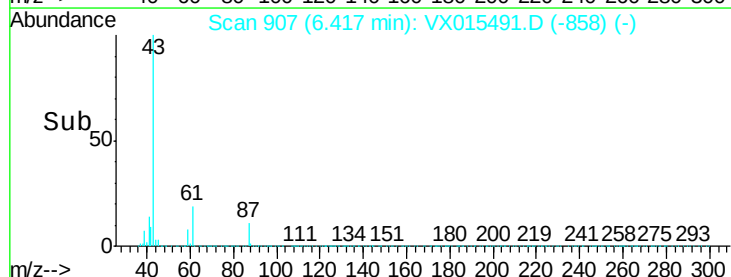


Abundance Ion 43.00 (42.70 to 43.70): VX0

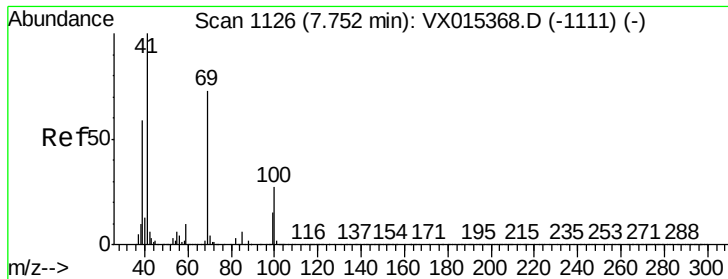
Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Time-->



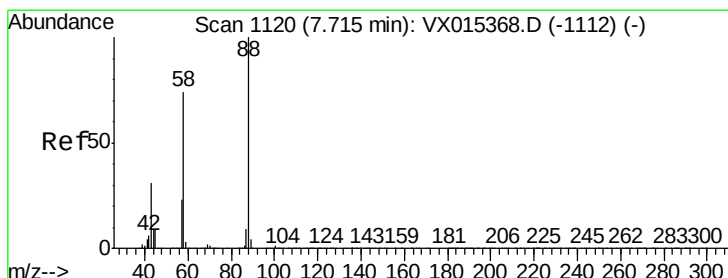
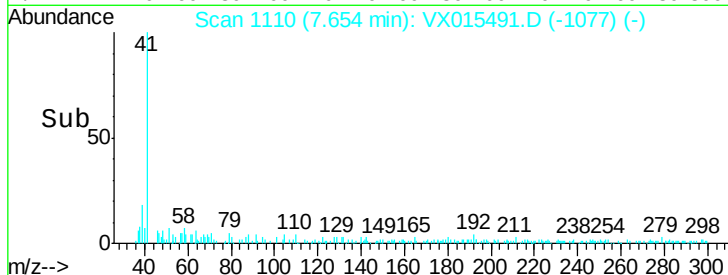
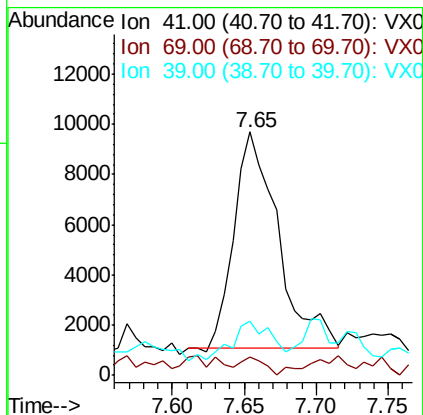
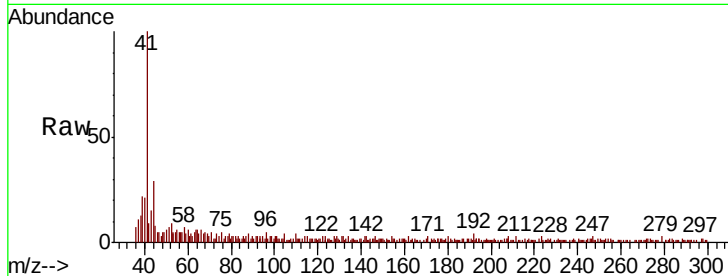
Time-->



#48
Methvl methacrylate
Concen: 1.053 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

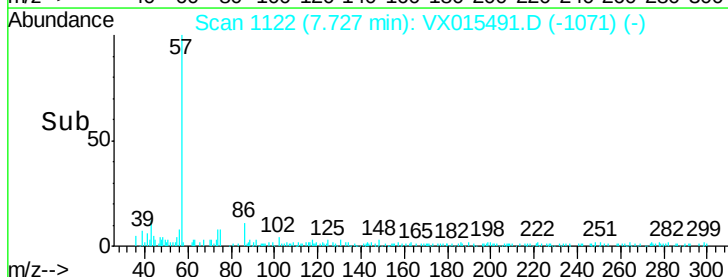
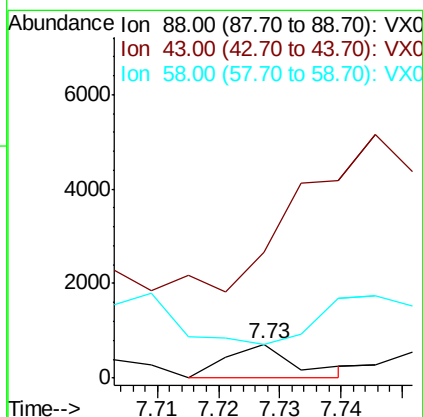
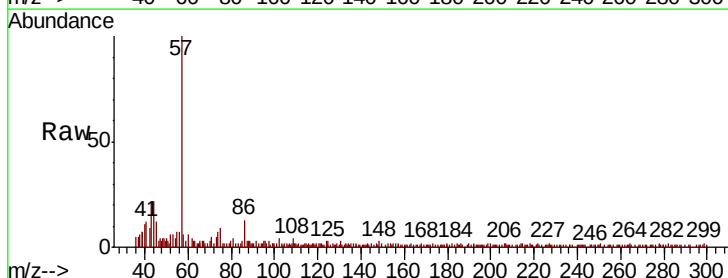
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#13

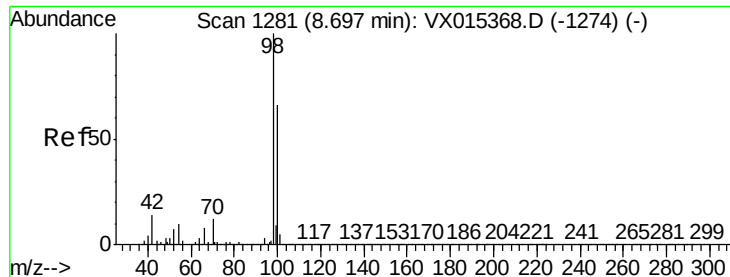
Tot Ion: 41 Resp: 18482
Ion Ratio Lower Upper
41 100
69 4.3 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 1.774 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015491.D
Acq: 02 Apr 2020 18:45

Tgt Ion: 88 Resp: 581
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 553.2 60.6 90.8#





#50

Toluene-d8

Concen: 51.119 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

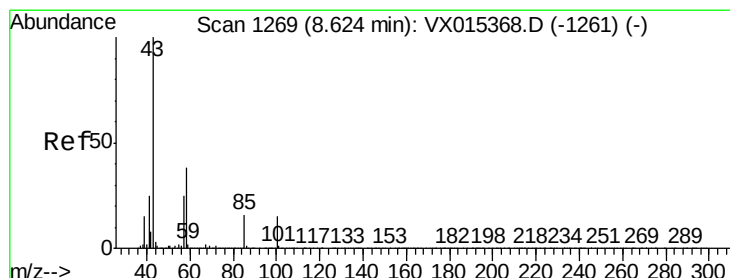
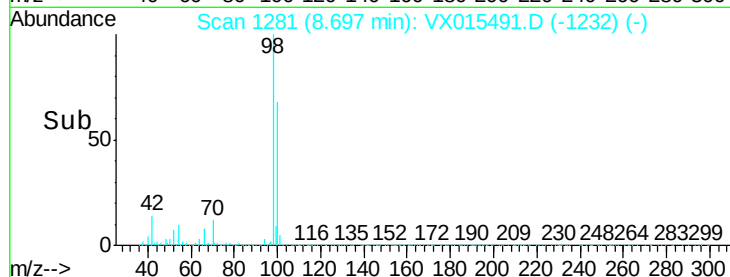
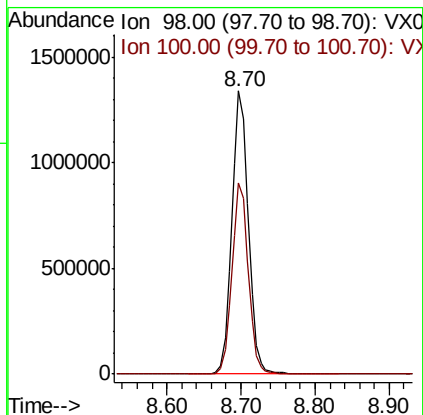
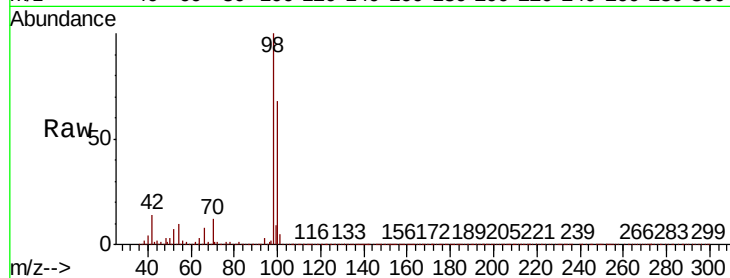
PB127948ZHE#13

Tot Ion: 98 Resp: 2087364

Ion Ratio Lower Upper

98 100

100 67.0 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 17.140 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VX015491.D

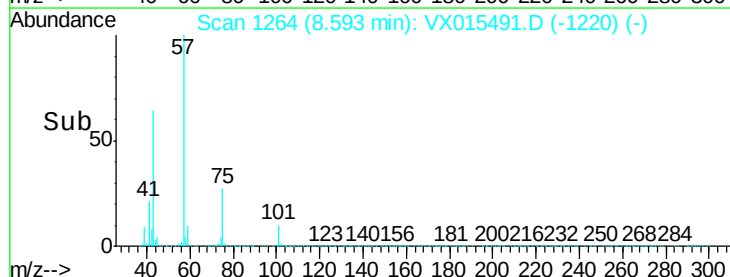
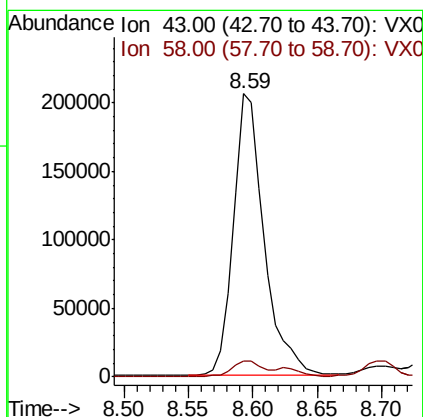
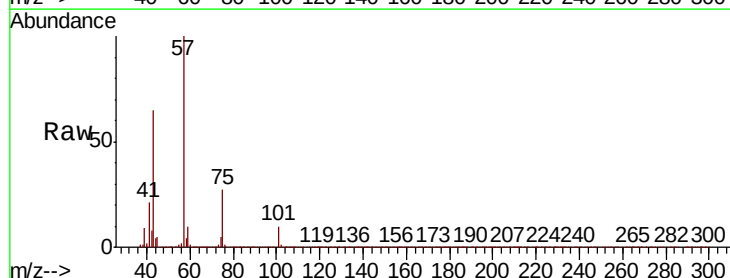
Acq: 02 Apr 2020 18:45

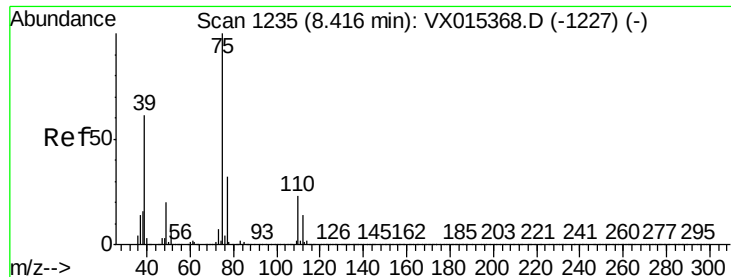
Tgt Ion: 43 Resp: 341317

Ion Ratio Lower Upper

43 100

58 5.8 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 6.476 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#13

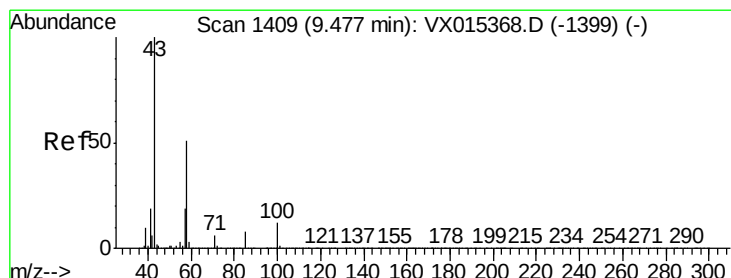
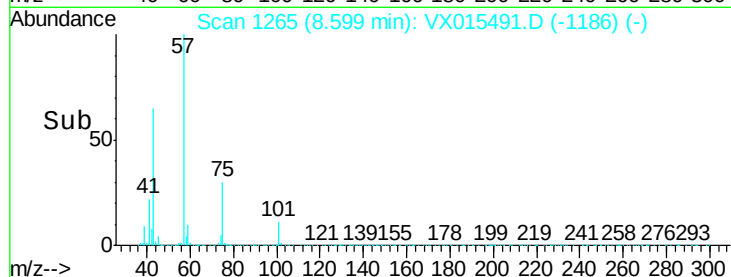
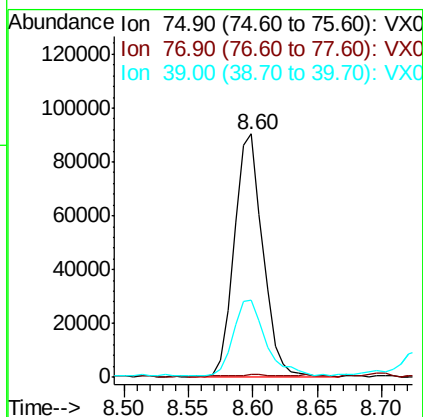
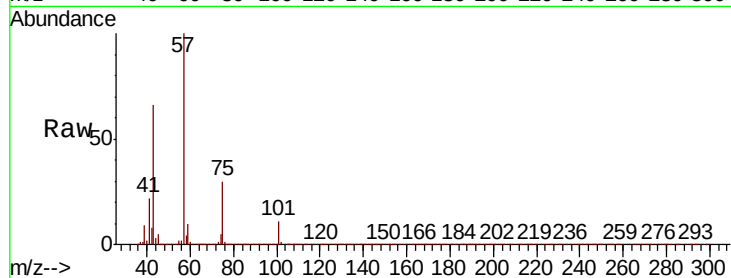
Tot Ion: 75 Resp: 138528

Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.6#

39 31.2 49.0 73.4#



#59

2-Hexanone

Concen: 21.535 ug/l

RT: 9.42 min Scan# 1400

Delta R.T. -0.05 min

Lab File: VX015491.D

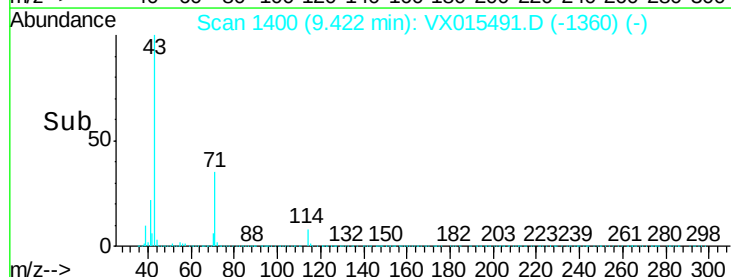
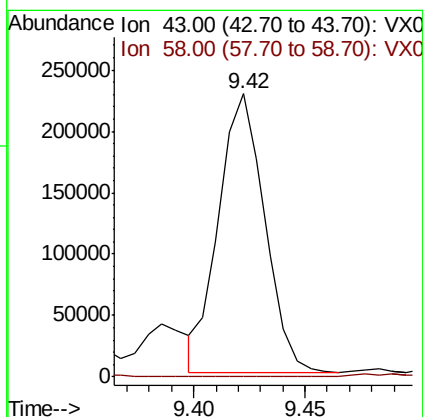
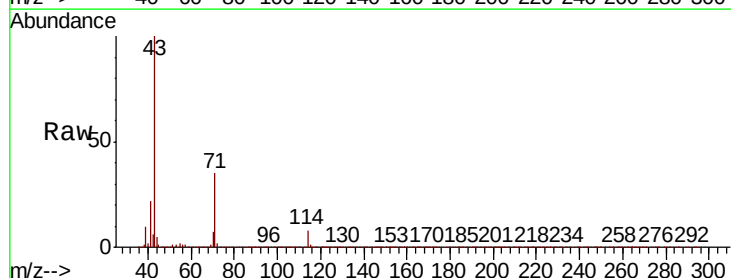
Acq: 02 Apr 2020 18:45

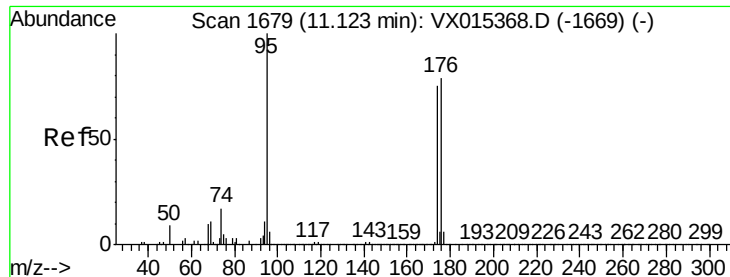
Tgt Ion: 43 Resp: 323771

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 55.038 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#13

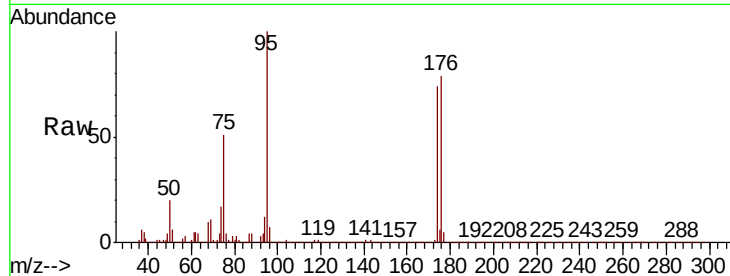
Tot Ion: 95 Resp: 913339

Ion Ratio Lower Upper

95 100

174 77.3 0.0 158.6

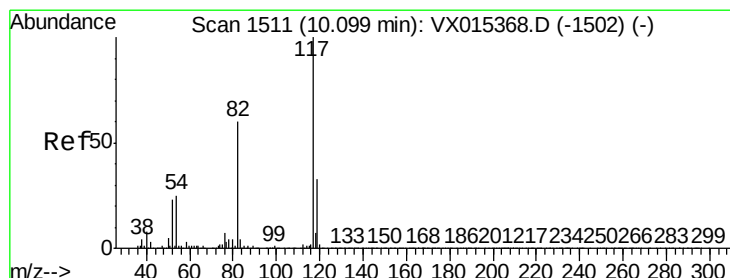
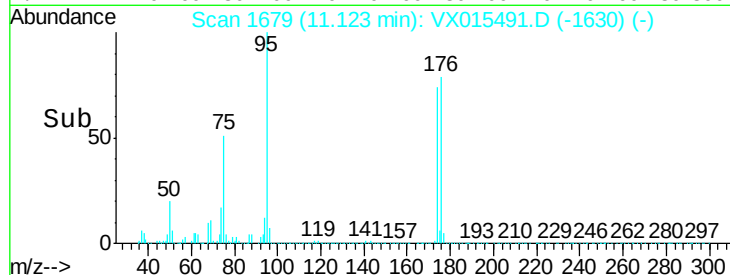
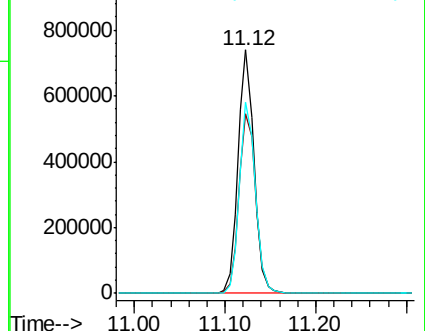
176 78.3 0.0 159.0



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# 1511

Delta R.T. -0.00 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

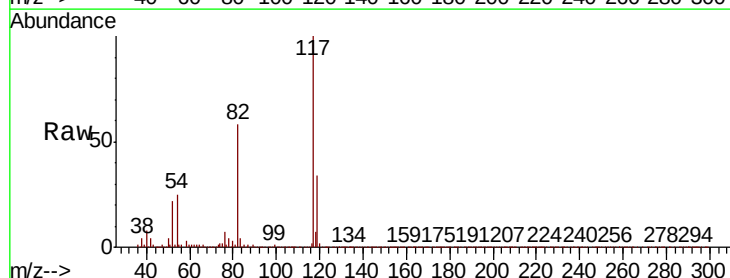
Tgt Ion: 117 Resp: 1655799

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.8

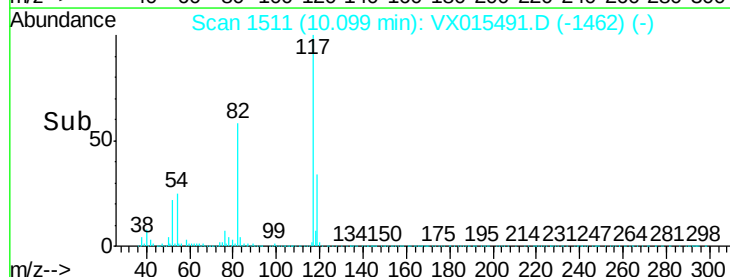
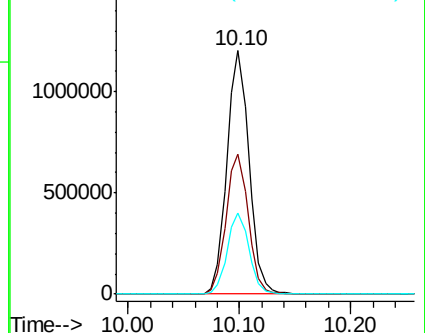
119 33.5 26.8 40.2

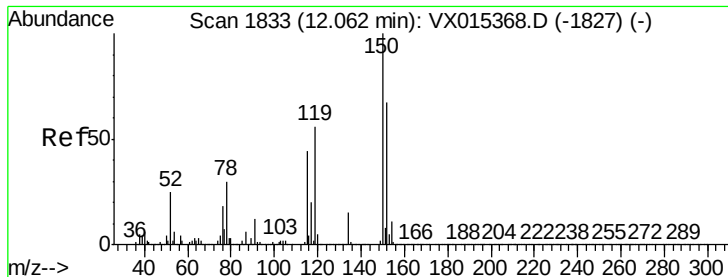


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1833

Delta R.T. -0.00 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#13

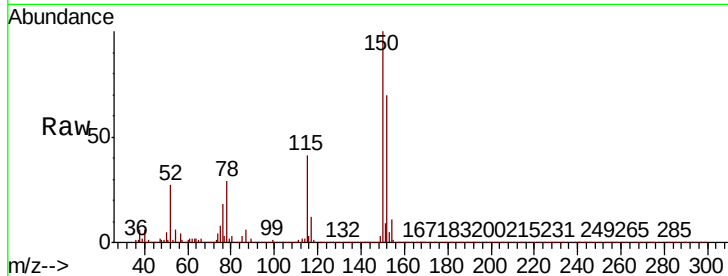
Tot Ion:152 Resp: 922216

Ion Ratio Lower Upper

152 100

115 58.1 39.0 116.9

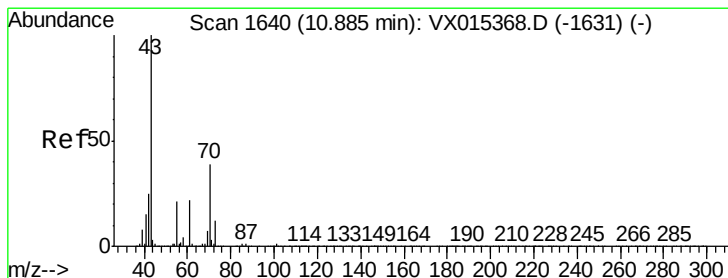
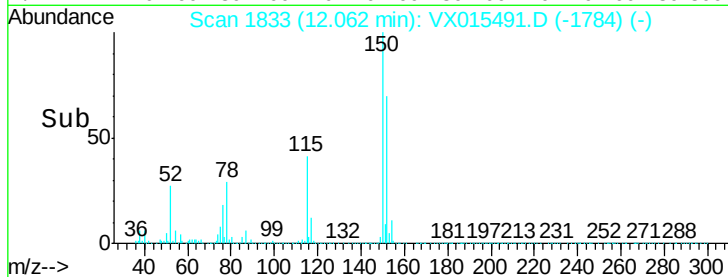
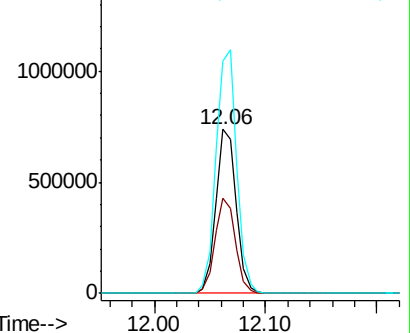
150 151.5 0.0 340.8



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-amyl acetate

Concen: 0.546 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Tgt Ion: 43 Resp: 18355

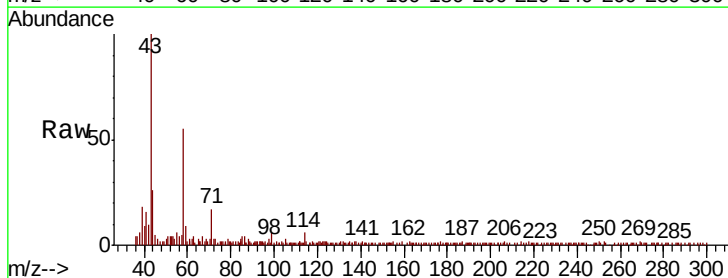
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 5.4 16.8 25.2#

61 0.0 18.2 27.2#

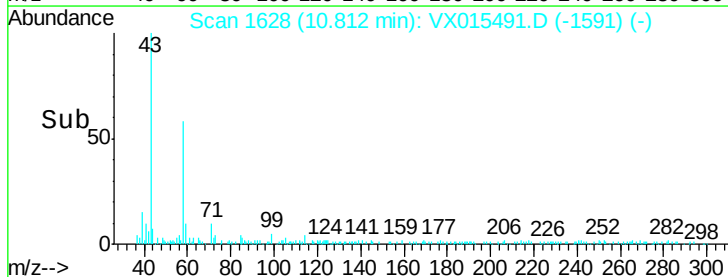
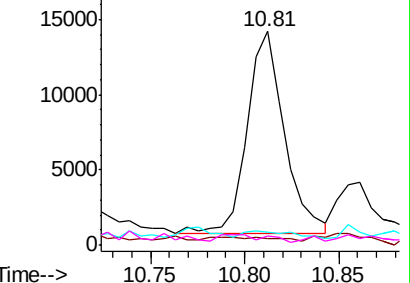


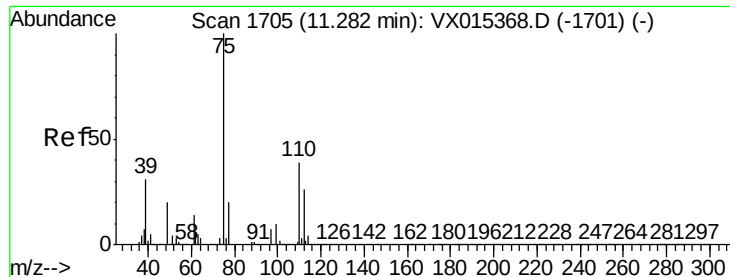
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.969 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

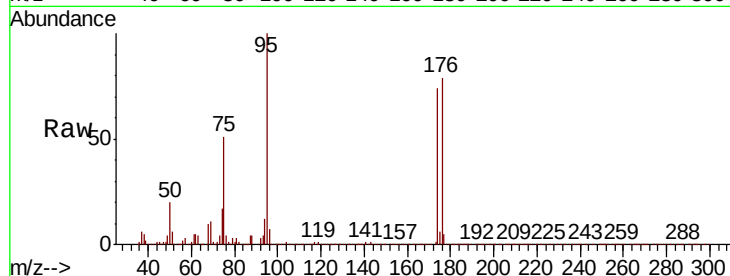
PB127948ZHE#13

Tot Ion: 75 Resp: 473533

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

11.12

400000

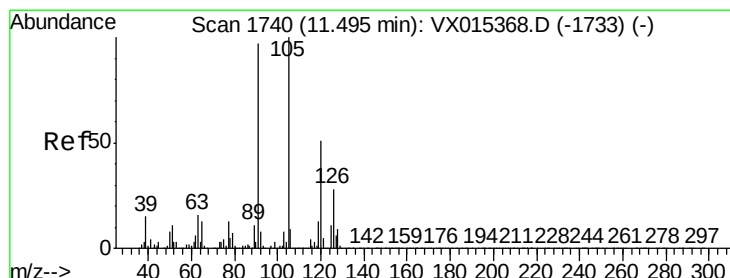
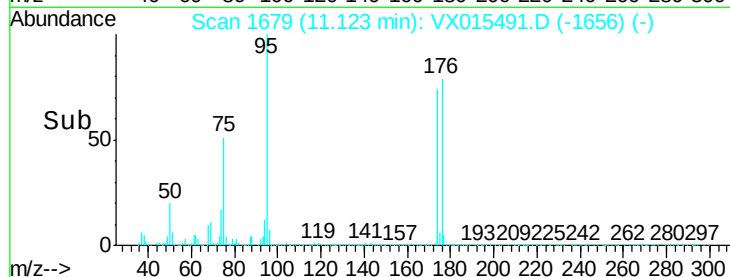
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.326 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VX015491.D

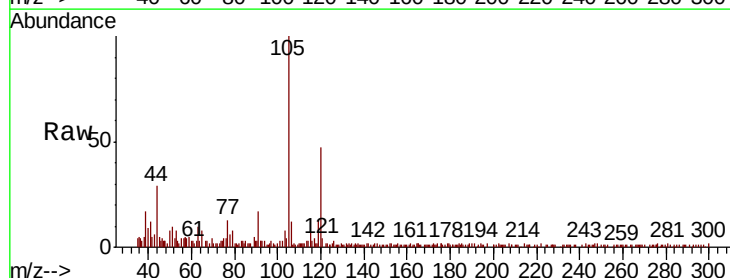
Acq: 02 Apr 2020 18:45

Tgt Ion: 105 Resp: 16827

Ion Ratio Lower Upper

105 100

120 50.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

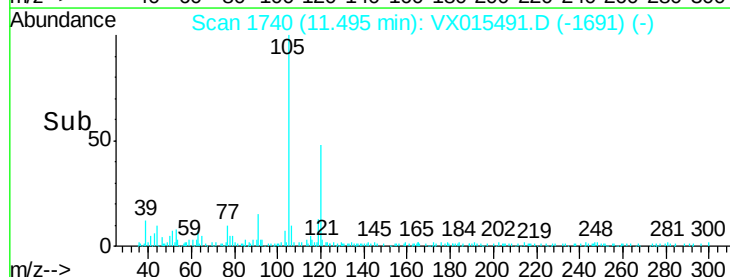
15000

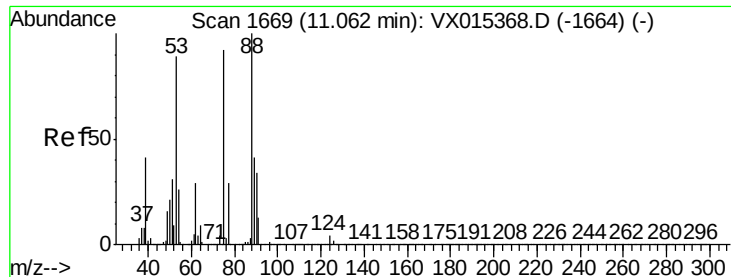
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 59.913 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015491.D

Acq: 02 Apr 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#13

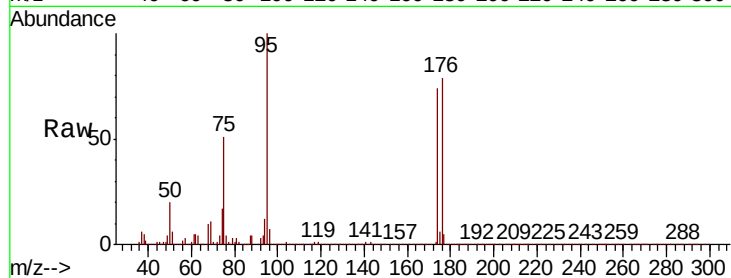
Tot Ion: 75 Resp: 473533

Ion Ratio Lower Upper

75 100

53 0.1 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

