

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040220\
 Data File : VX015489.D
 Acq On : 02 Apr 2020 18:00
 Operator : JC/SP
 Sample : PB127948ZHE#11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127948ZHE#11

Quant Time: Apr 03 08:03:37 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	1111378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1806304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1692945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	945871	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	751476	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	5.47	113	572158	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.70	98	2171292	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.12	95	942113	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	

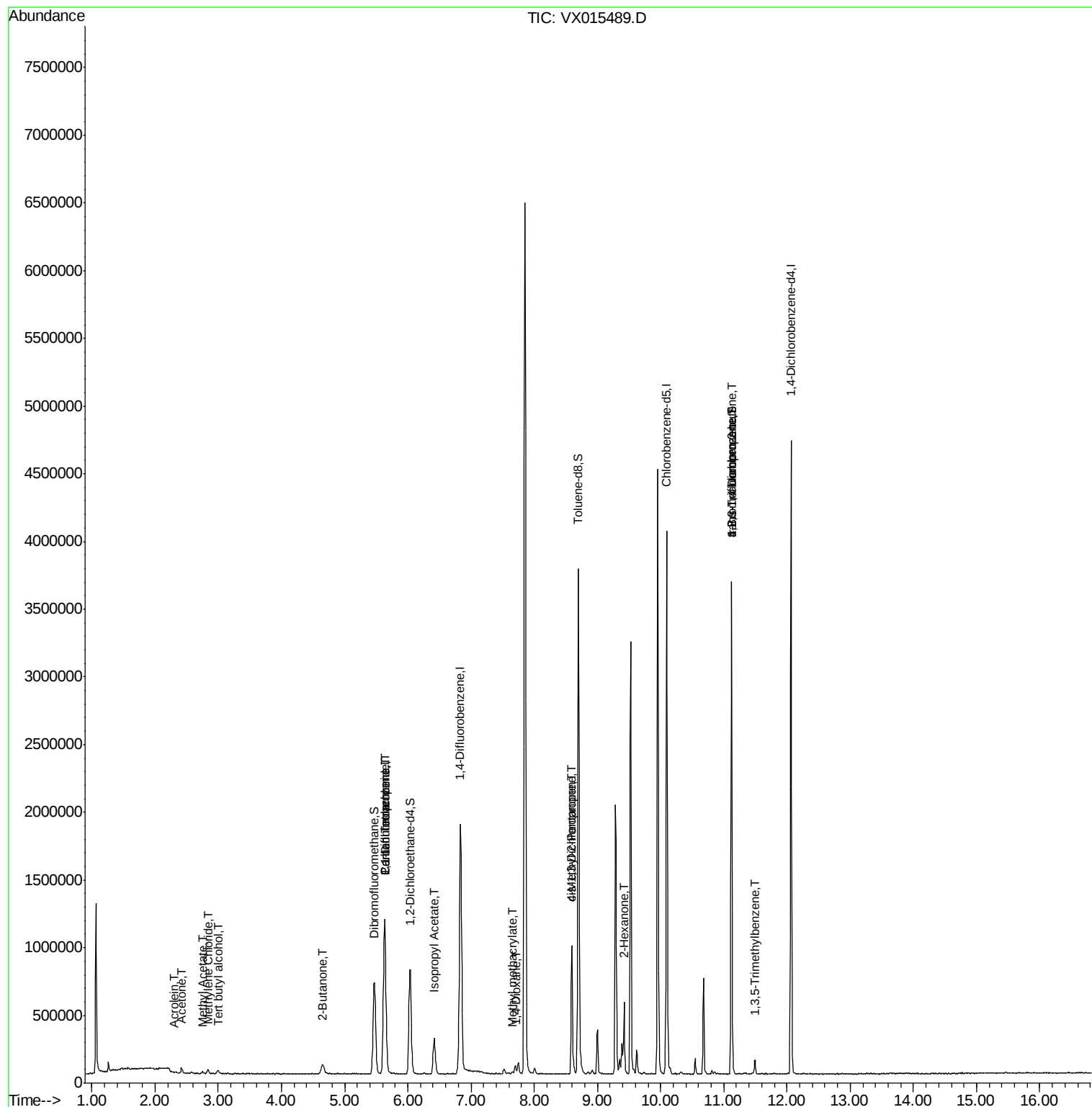
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	208	Below Cal	#	79
11) Tert butyl alcohol	2.99	59	16956	4.519	ug/l #	87
13) Acrolein	2.30	56	551	0.258	ug/l #	14
16) Acetone	2.42	43	47551	7.061	ug/l #	88
18) Methyl Acetate	2.75	43	15469	0.900	ug/l #	86
20) Methylene Chloride	2.84	84	13624	1.083	ug/l	94
25) 2-Butanone	4.65	43	12817	1.183	ug/l	95
36) 1,1-Dichloropropene	5.63	75	82717	4.970	ug/l #	53
38) Carbon Tetrachloride	5.63	117	103423	5.737	ug/l #	14
43) Isopropyl Acetate	6.42	43	391712	10.708	ug/l	99
48) Methyl methacrylate	7.65	41	20015	1.095	ug/l #	19
49) 1,4-Dioxane	7.72	88	1429	4.192	ug/l #	20
51) 4-Methyl-2-Pentanone	8.59	43	374267	18.053	ug/l #	53
54) cis-1,3-Dichloropropene	8.60	75	150791	6.771	ug/l #	54
59) 2-Hexanone	9.42	43	422806	27.013	ug/l #	27
76) 1,2,3-Trichloropropane	11.12	75	488762	25.128	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	45718	0.864	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	488762	60.293	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

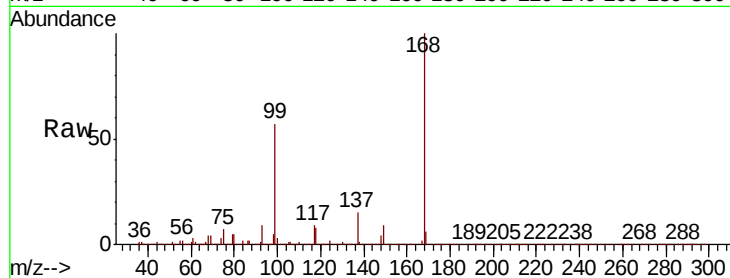
PB127948ZHE#11

Tot Ion:168 Resp: 1111378

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

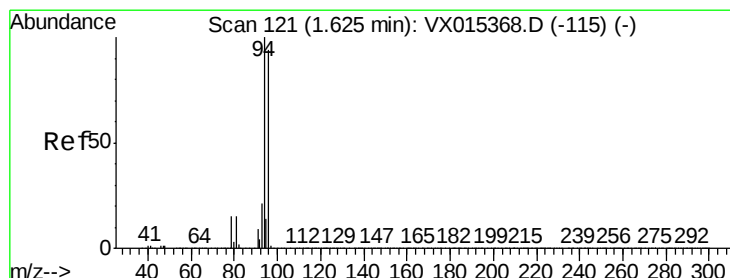
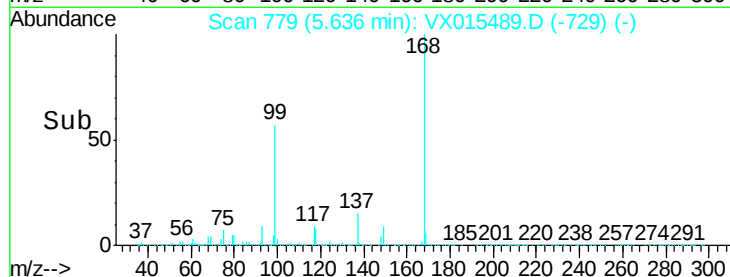
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015489.D

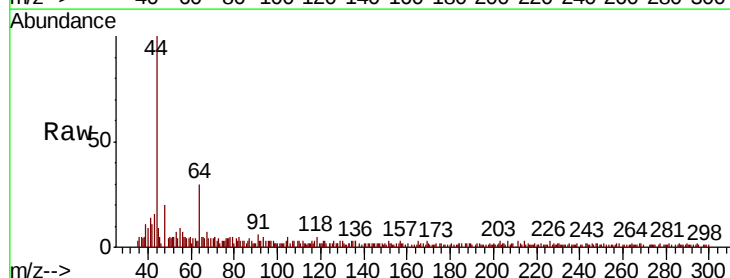
Acq: 02 Apr 2020 18:00

Tgt Ion: 94 Resp: 208

Ion Ratio Lower Upper

94 100

96 114.1 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

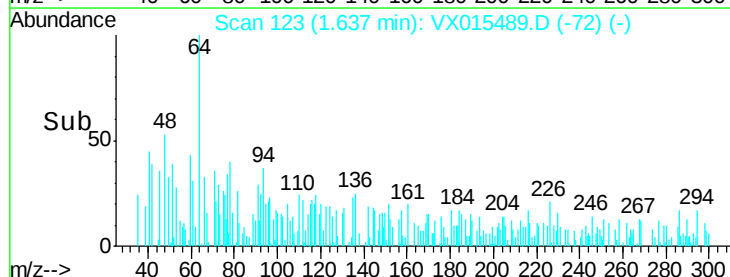
600

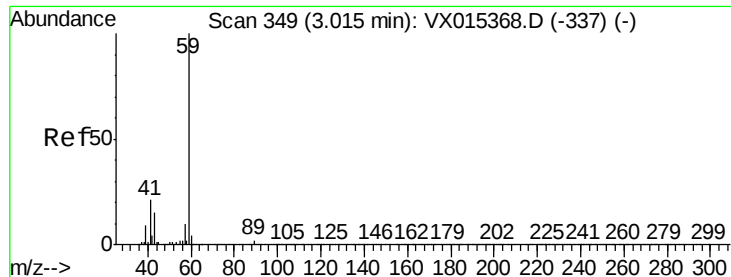
400

200

0

Time-->



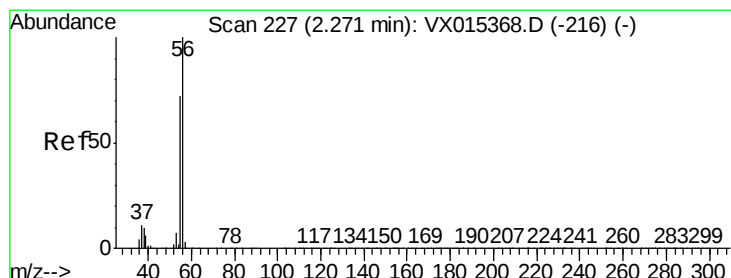
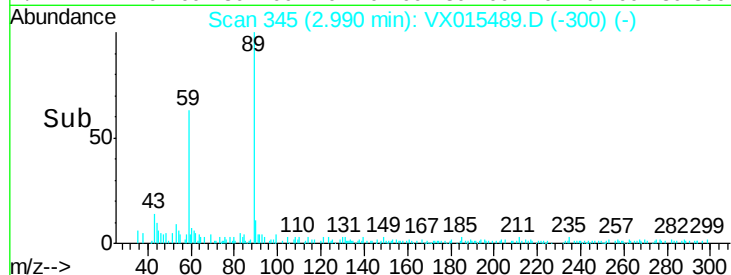
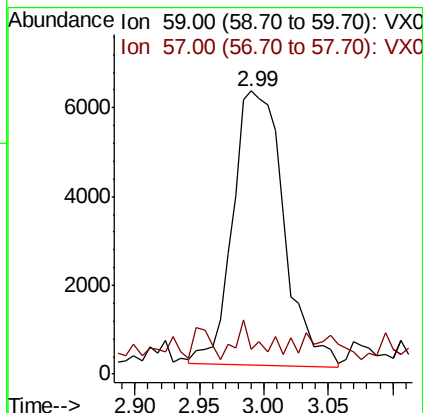
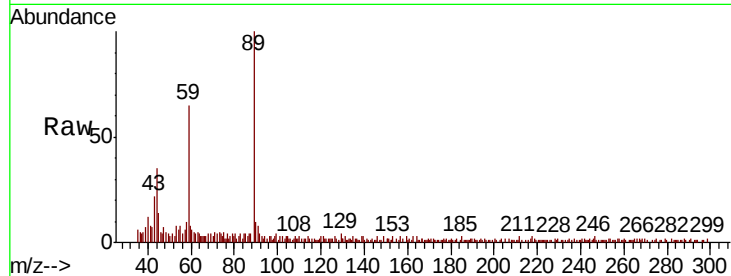


#11

Tert butyl alcohol
Concen: 4.519 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#11

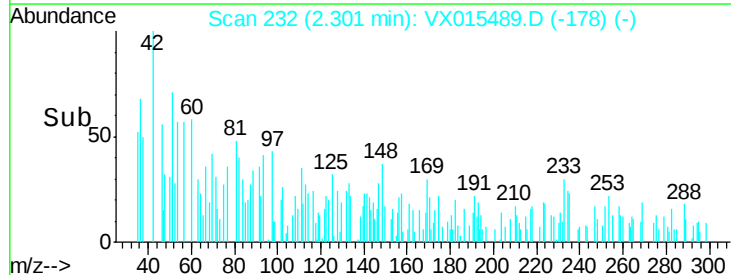
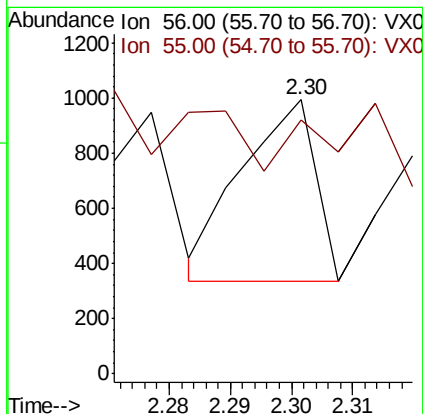
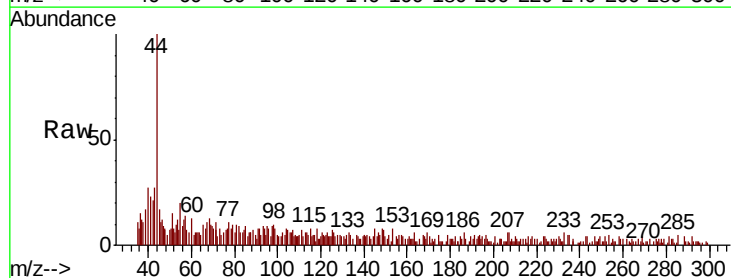
Tot Ion: 59 Resp: 16956
Ion Ratio Lower Upper
59 100
57 5.1 8.1 12.1#

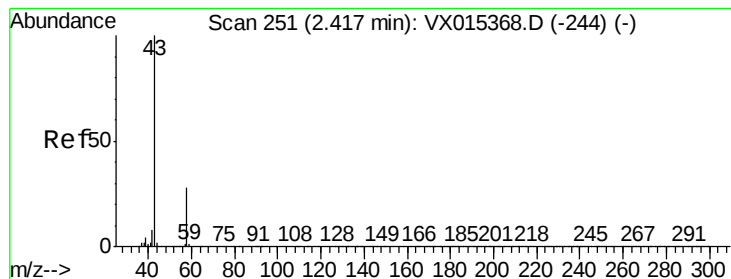


#13

Acrolein
Concen: 0.258 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.03 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

Tgt Ion: 56 Resp: 551
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 7.061 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

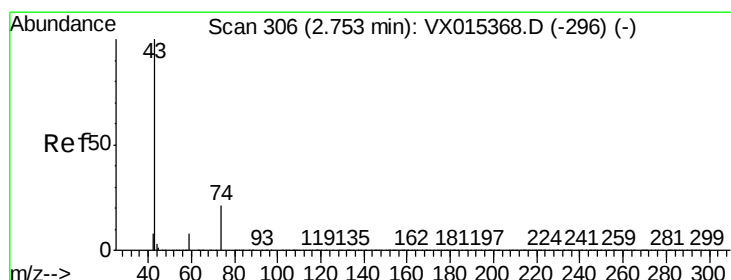
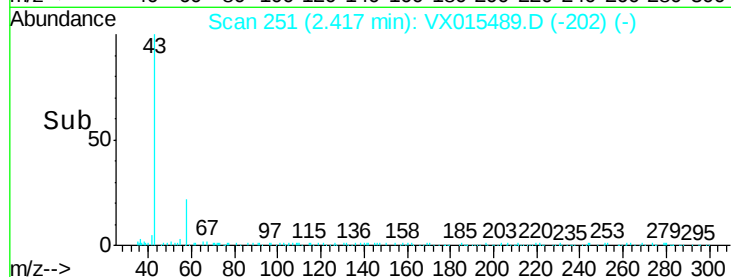
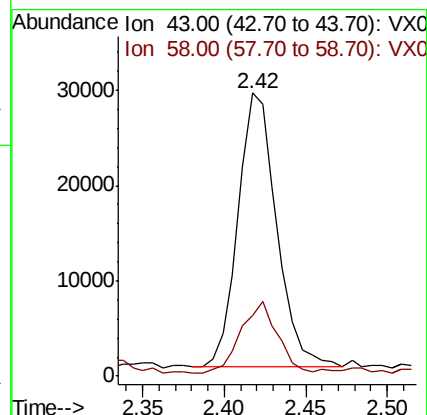
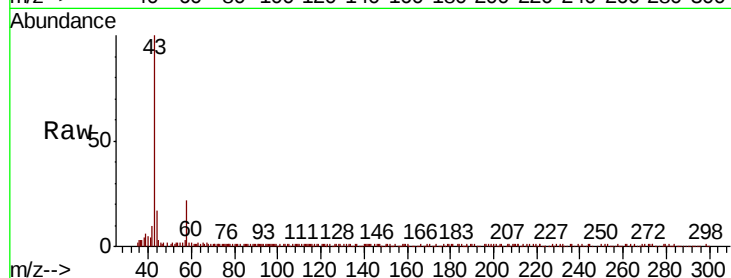
PB127948ZHE#11

Tot Ion: 43 Resp: 47551

Ion Ratio Lower Upper

43 100

58 21.1 22.1 33.1#



#18

Methyl Acetate

Concen: 0.900 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015489.D

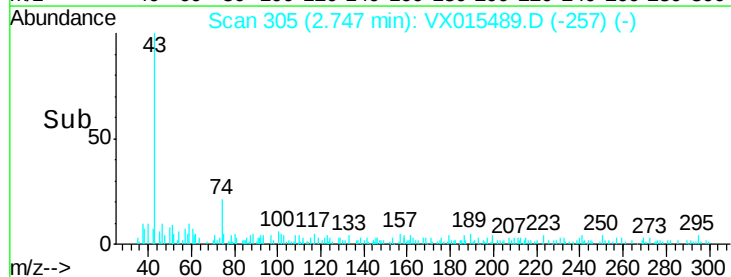
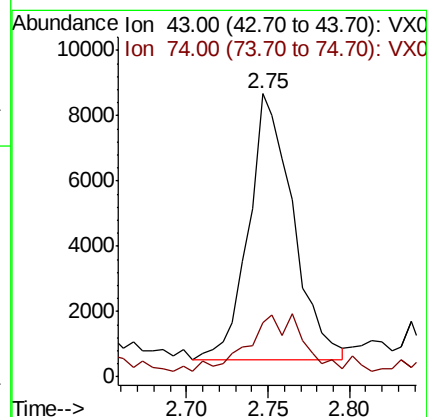
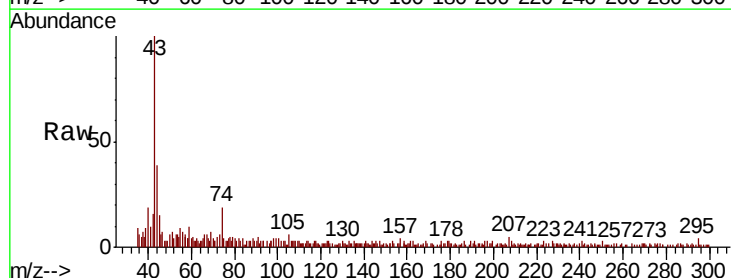
Acq: 02 Apr 2020 18:00

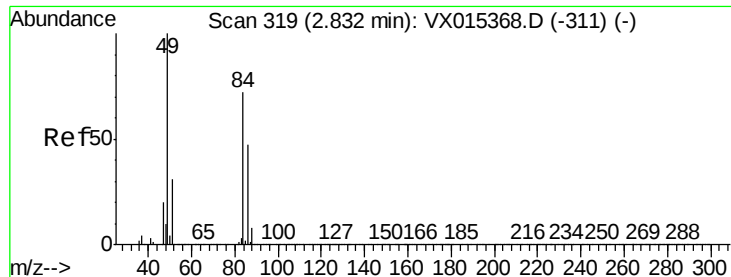
Tgt Ion: 43 Resp: 15469

Ion Ratio Lower Upper

43 100

74 26.9 16.5 24.7#

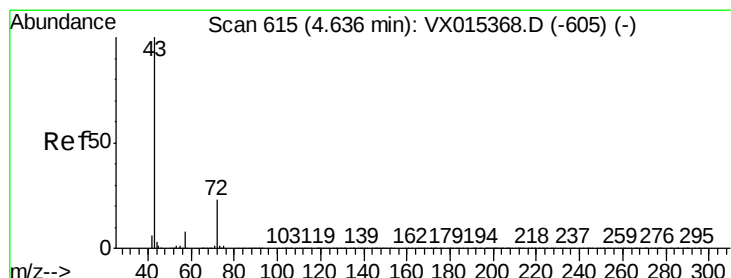
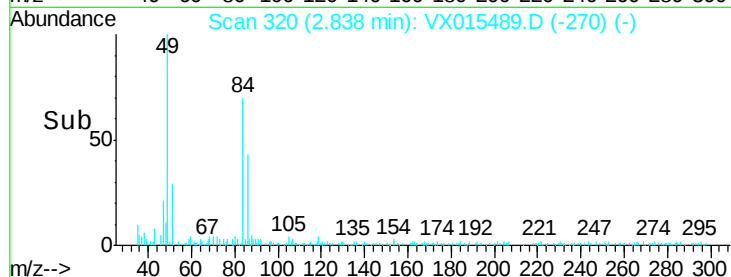
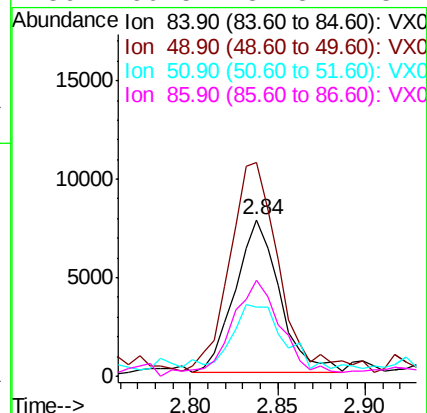
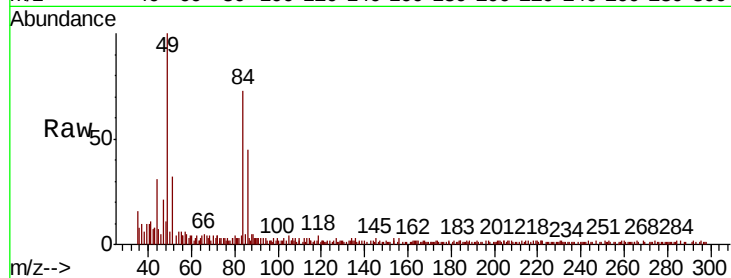




#20
Methvlene Chloride
Concen: 1.083 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

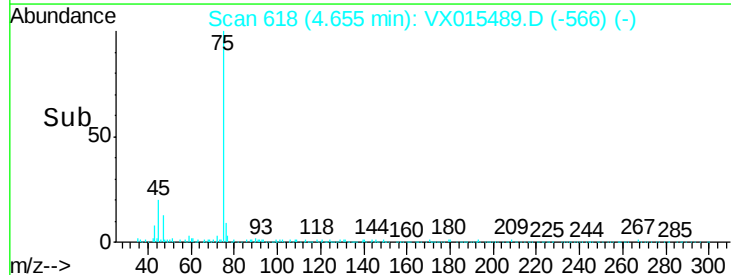
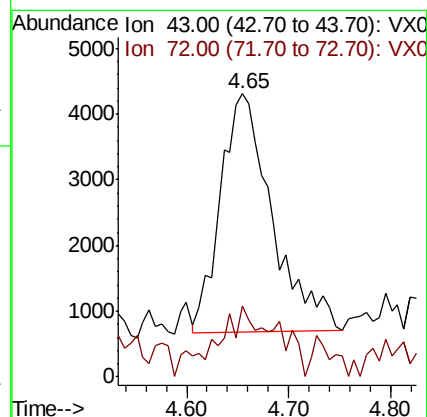
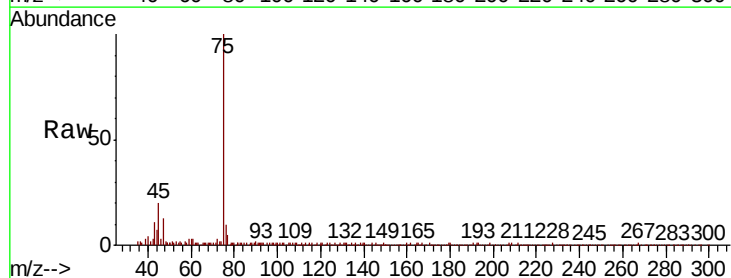
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#11

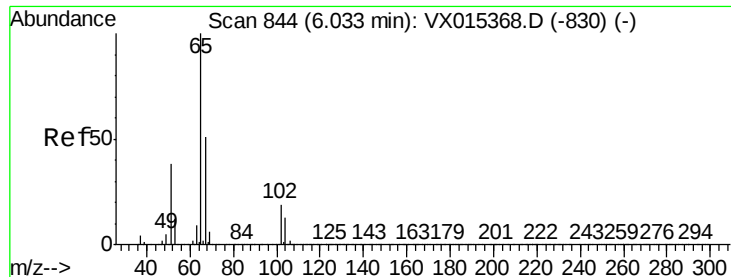
Tot Ion: 84 Resp: 13624
Ion Ratio Lower Upper
84 100
49 133.3 111.3 166.9
51 37.8 34.0 51.0
86 60.5 52.5 78.7



#25
2-Butanone
Concen: 1.183 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

Tgt Ion: 43 Resp: 12817
Ion Ratio Lower Upper
43 100
72 21.0 19.0 28.4





#33

1,2-Dichloroethane-d4

Concen: 47.942 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

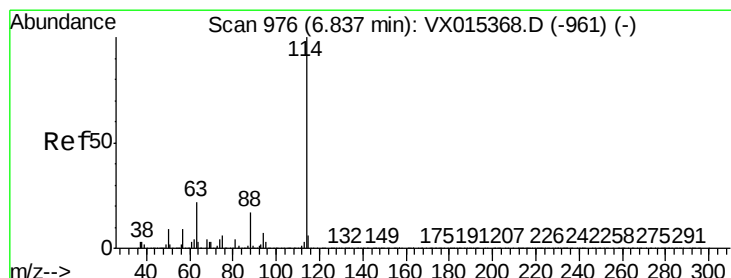
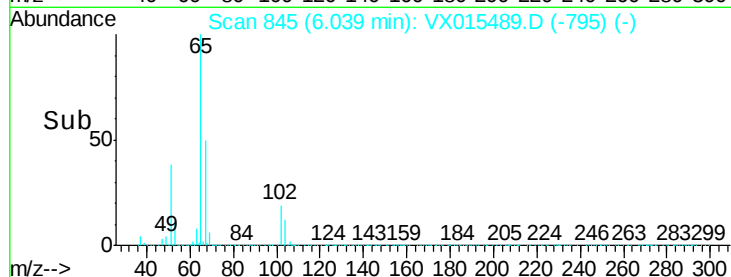
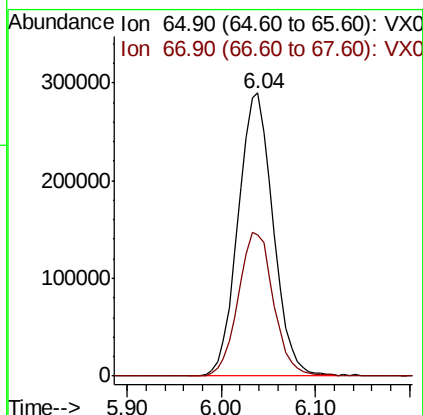
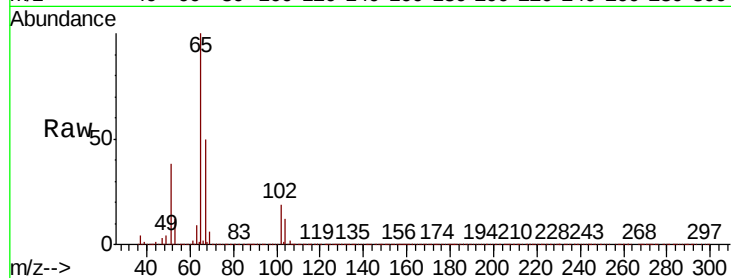
PB127948ZHE#11

Tot Ion: 65 Resp: 751476

Ion Ratio Lower Upper

65 100

67 50.9 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: VX015489.D

Acq: 02 Apr 2020 18:00

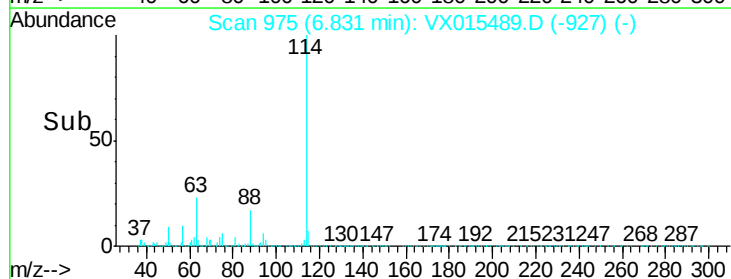
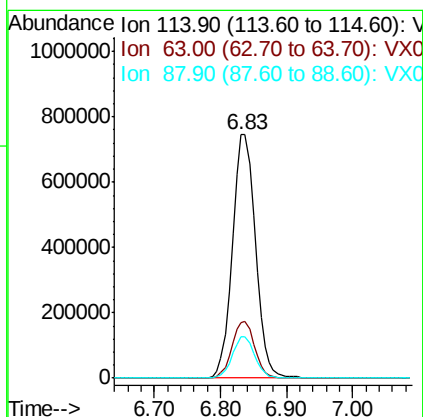
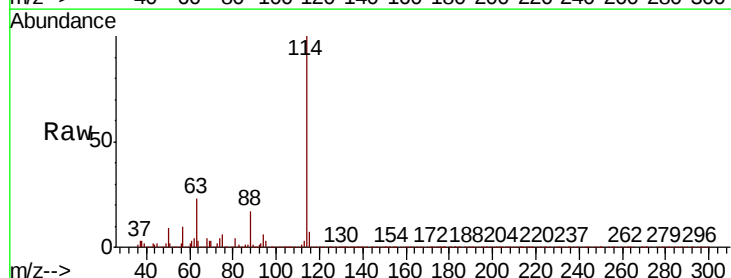
Tgt Ion: 114 Resp: 1806304

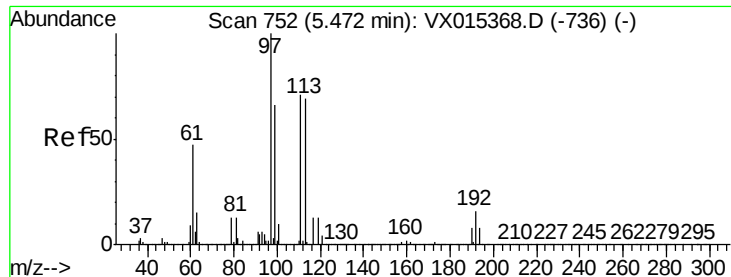
Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.2

88 17.2 0.0 33.8

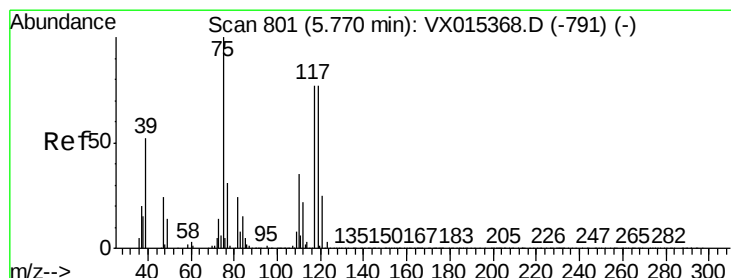
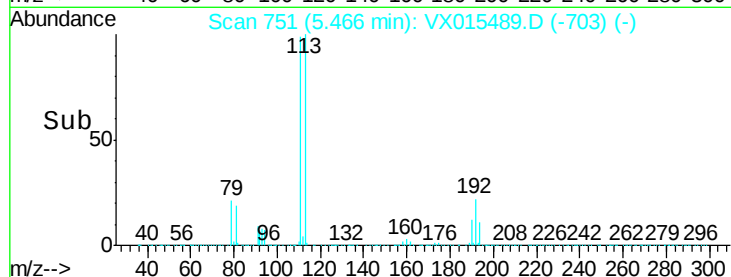
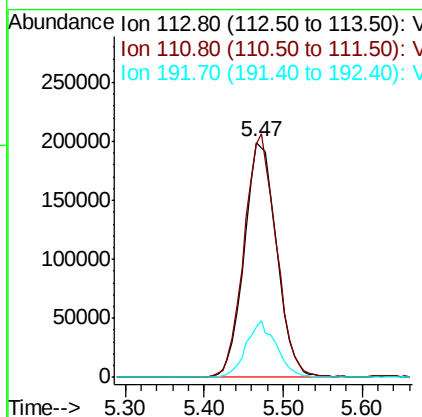
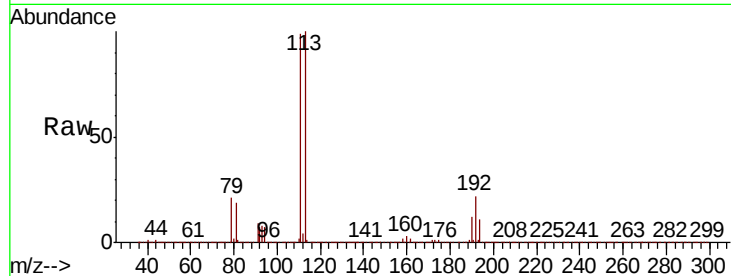




#35
Dibromofluoromethane
Concen: 49.553 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

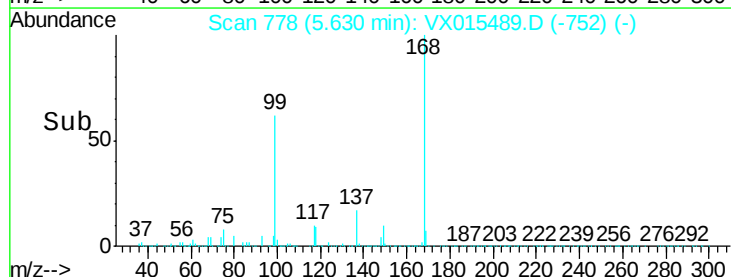
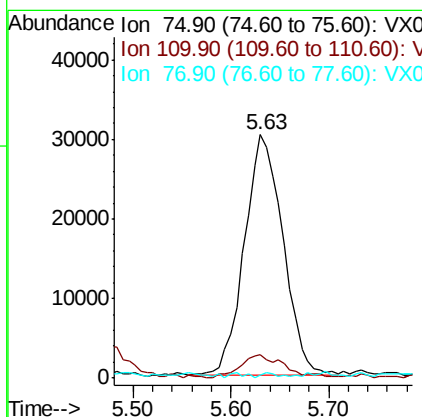
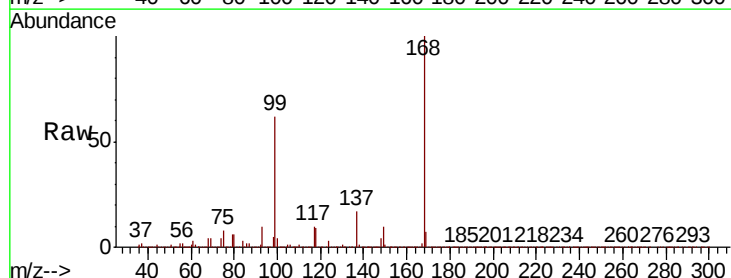
Instrument :
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PB127948ZHE#11

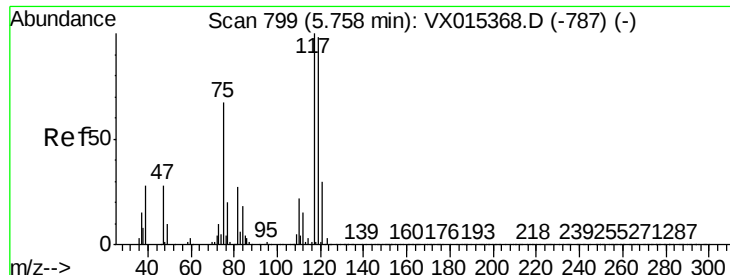
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	22.2	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.970 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.1	51.3#
77	1.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.737 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#11

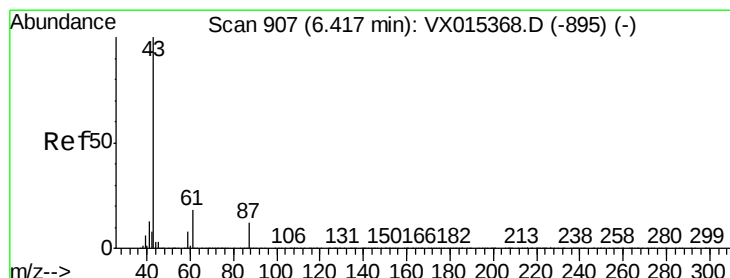
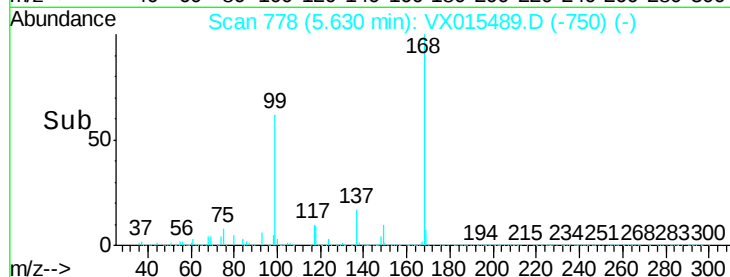
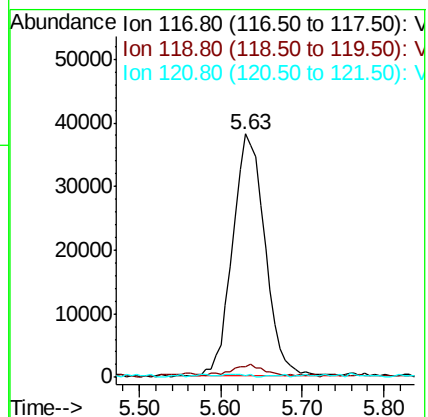
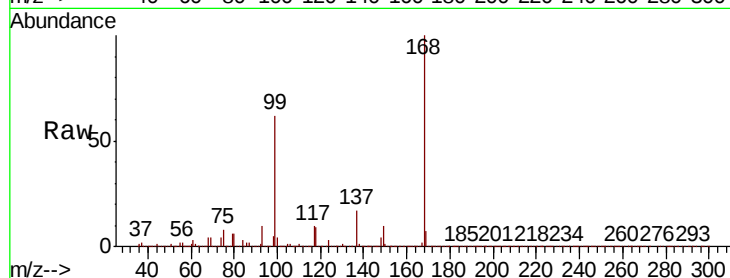
Tot Ion:117 Resp: 103423

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

121 0.0 23.8 35.8#



#43

Isopropyl Acetate

Concen: 10.708 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

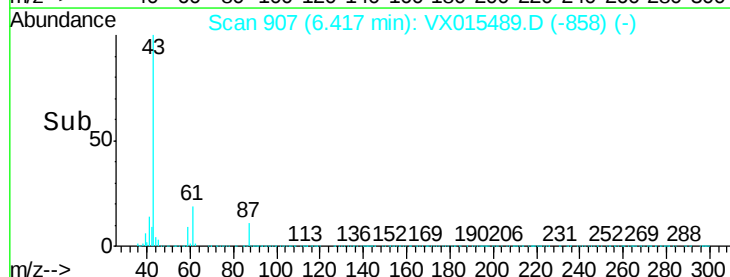
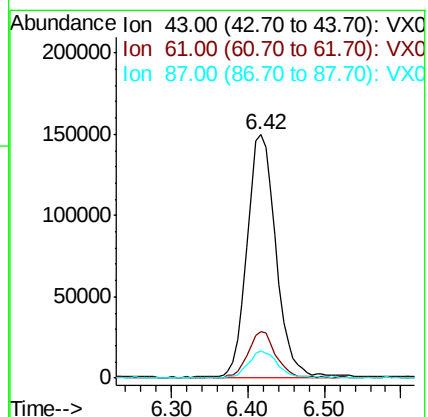
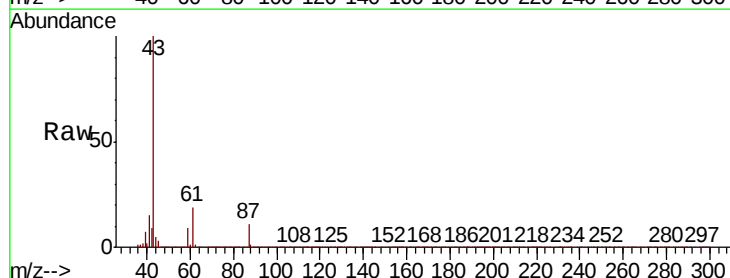
Tgt Ion: 43 Resp: 391712

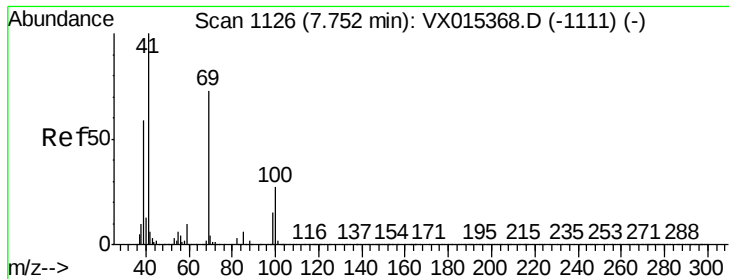
Ion Ratio Lower Upper

43 100

61 18.1 14.8 22.2

87 11.0 9.4 14.0

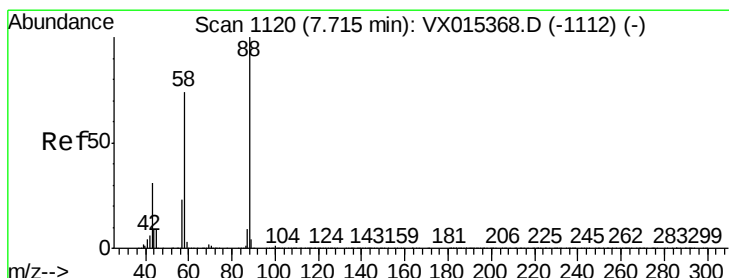
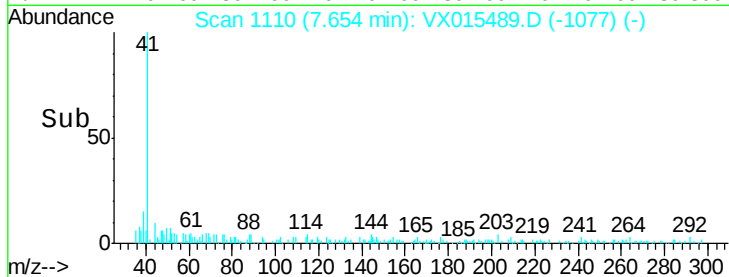
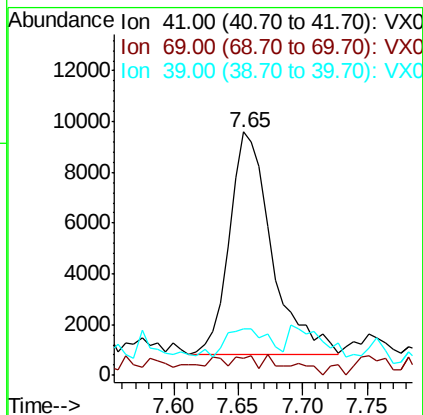
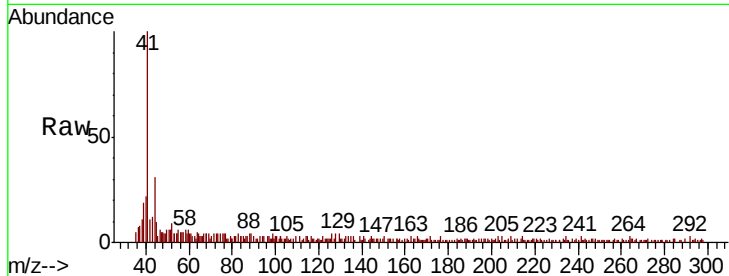




#48
Methvl methacrylate
Concen: 1.095 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

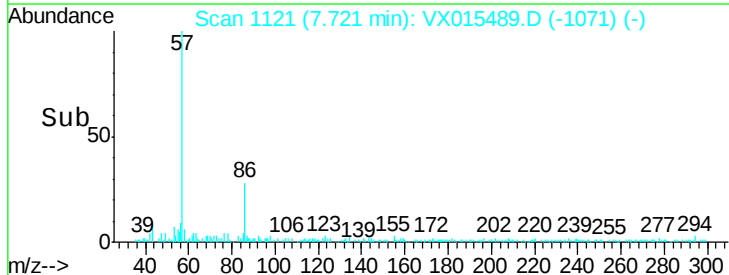
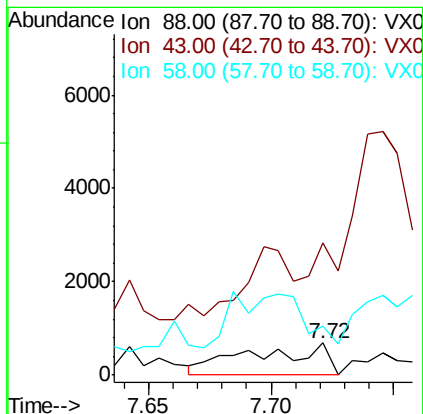
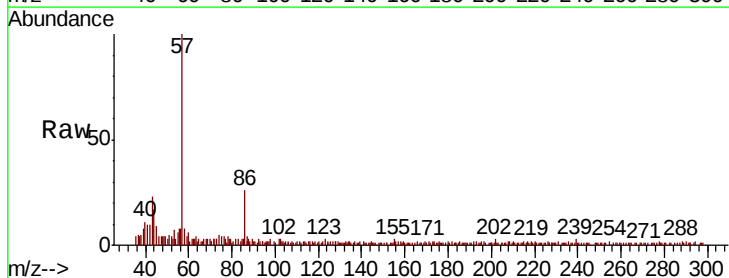
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#11

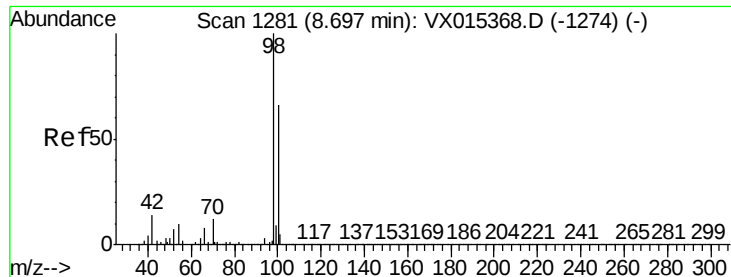
Tot Ion: 41 Resp: 20015
Ion Ratio Lower Upper
41 100
69 2.6 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 4.192 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

Tgt Ion: 88 Resp: 1429
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 60.6 90.8#

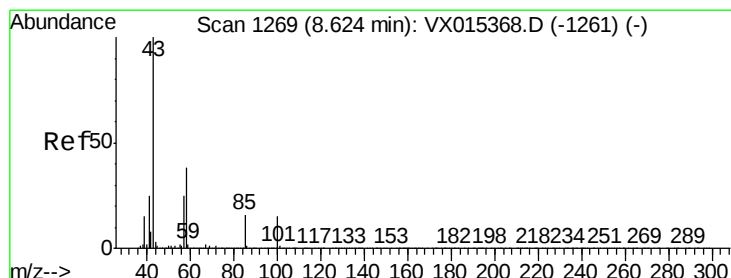
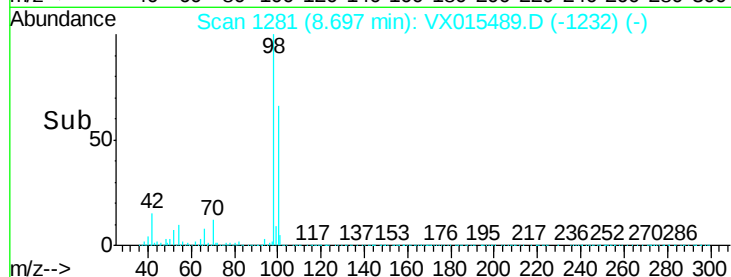
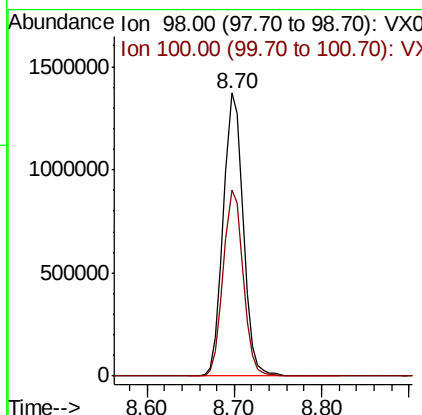
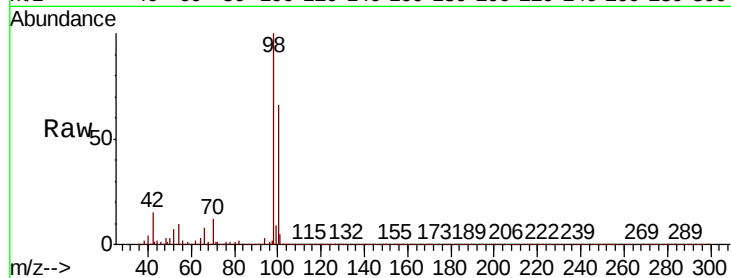




#50
Toluene-d8
Concen: 51.076 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

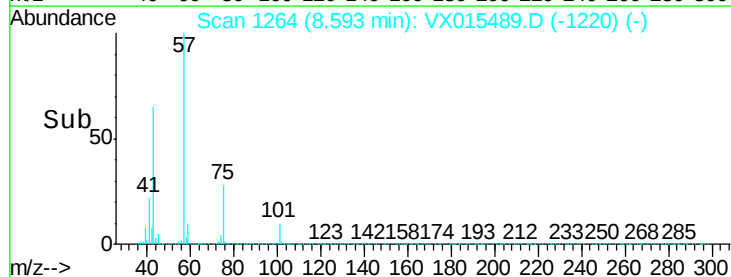
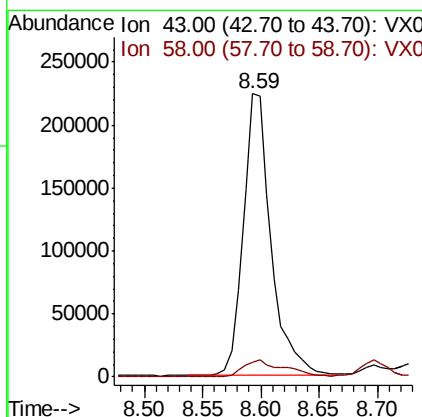
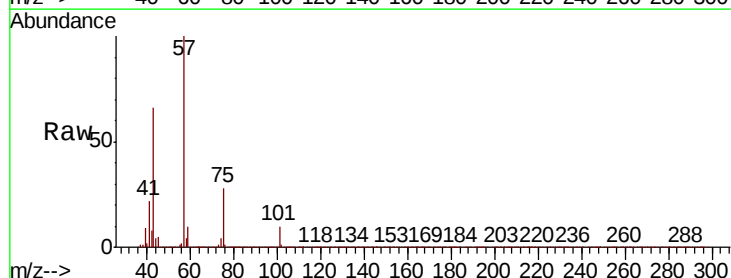
Instrument :
MSVOA_X
ClientSampleId :
PB127948ZHE#11

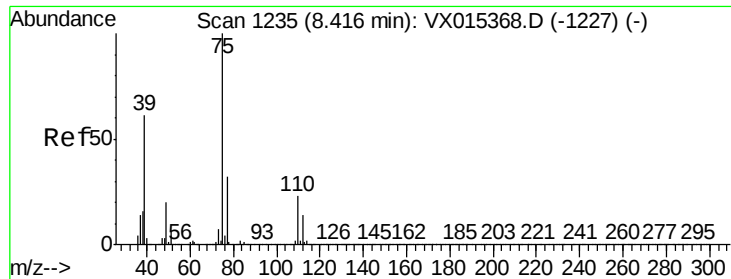
Tot Ion: 98 Resp: 2171292
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 18.053 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015489.D
Acq: 02 Apr 2020 18:00

Tgt Ion: 43 Resp: 374267
Ion Ratio Lower Upper
43 100
58 8.9 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 6.771 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#11

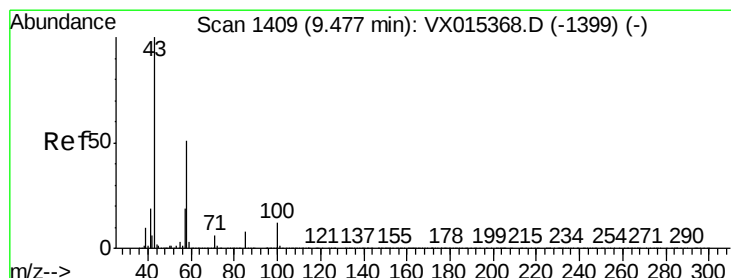
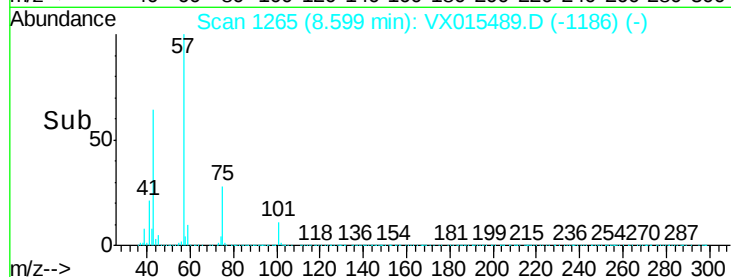
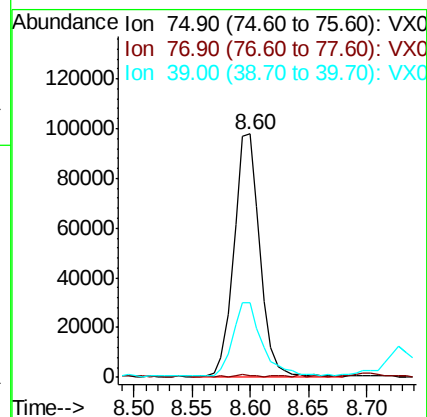
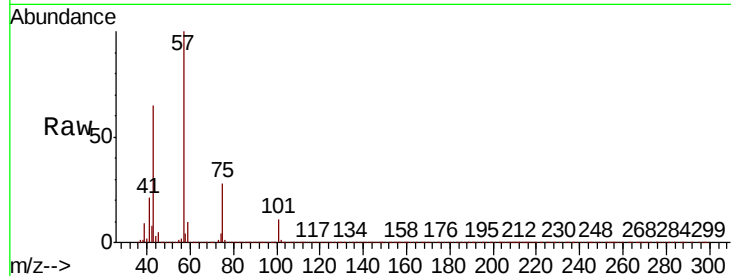
Tot Ion: 75 Resp: 150791

Ion Ratio Lower Upper

75 100

77 0.9 25.8 38.6#

39 29.9 49.0 73.4#



#59

2-Hexanone

Concen: 27.013 ug/l

RT: 9.42 min Scan# 1400

Delta R.T. -0.05 min

Lab File: VX015489.D

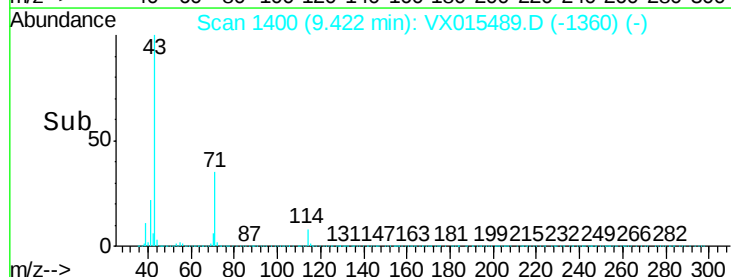
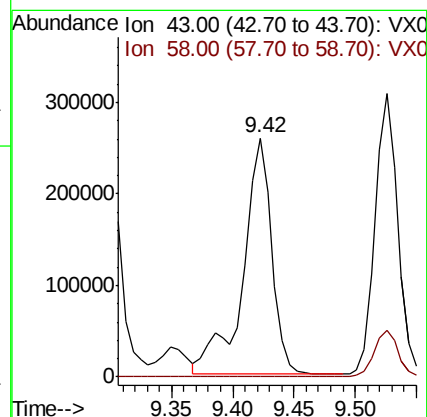
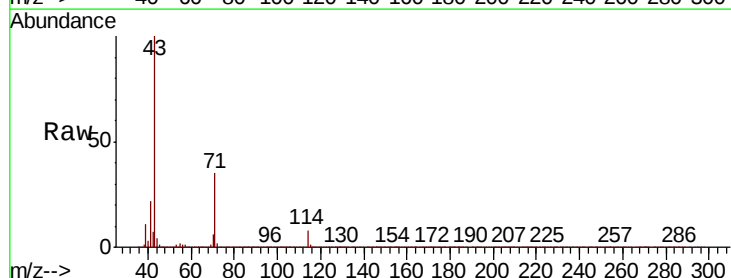
Acq: 02 Apr 2020 18:00

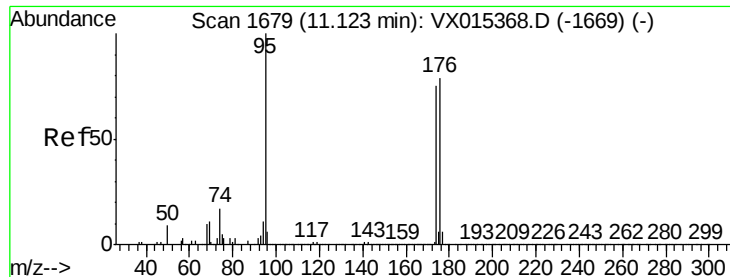
Tgt Ion: 43 Resp: 422806

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 54.532 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#11

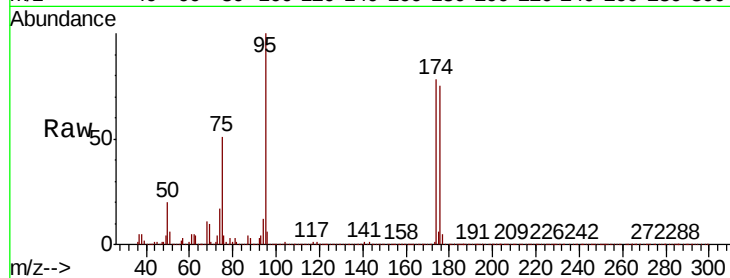
Tot Ion: 95 Resp: 942113

Ion Ratio Lower Upper

95 100

174 78.2 0.0 158.6

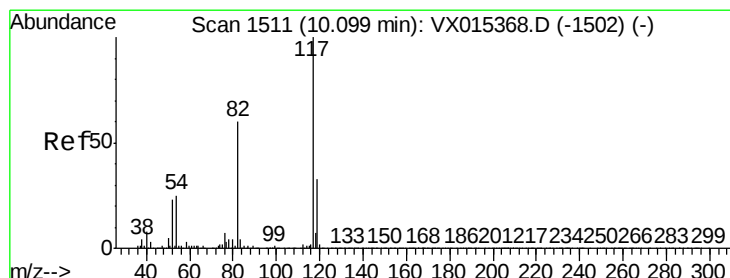
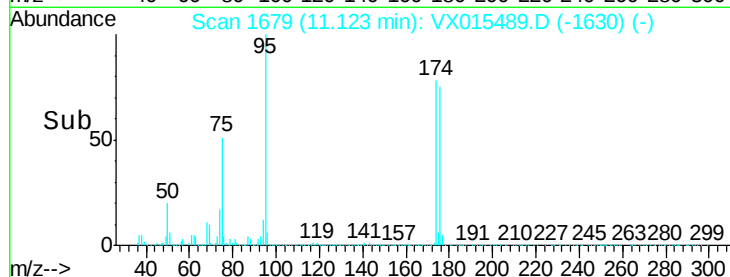
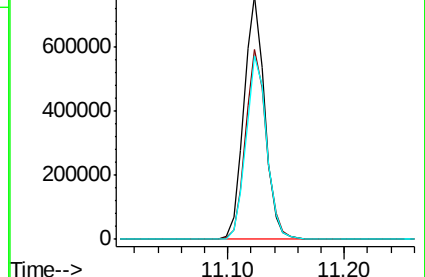
176 76.0 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015368.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015368.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015368.D (-1669) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

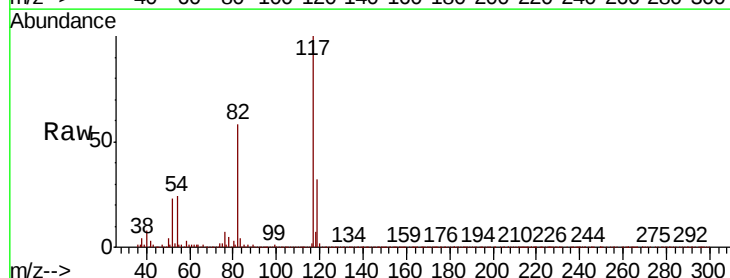
Tgt Ion: 117 Resp: 1692945

Ion Ratio Lower Upper

117 100

82 57.9 47.8 71.8

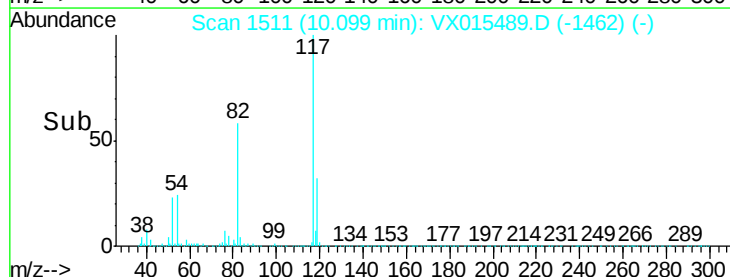
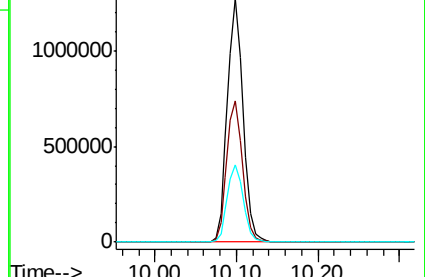
119 31.7 26.8 40.2

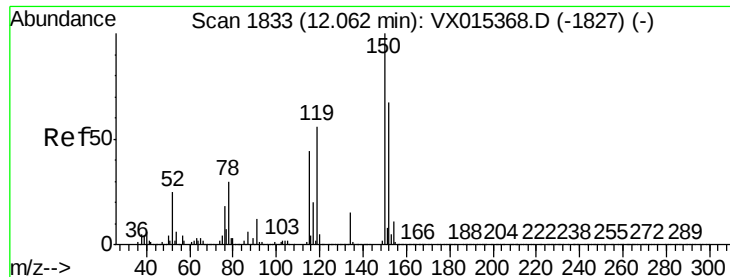


Abundance Ion 116.90 (116.60 to 117.60): VX015368.D (-1502) (-)

Ion 82.00 (81.70 to 82.70): VX015368.D (-1502) (-)

Ion 118.90 (118.60 to 119.60): VX015368.D (-1502) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

PB127948ZHE#11

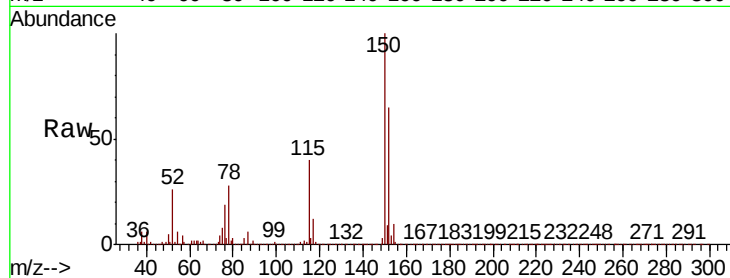
Tot Ion:152 Resp: 945871

Ion Ratio Lower Upper

152 100

115 58.0 39.0 116.9

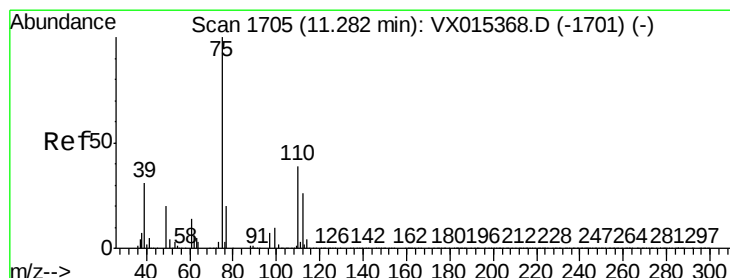
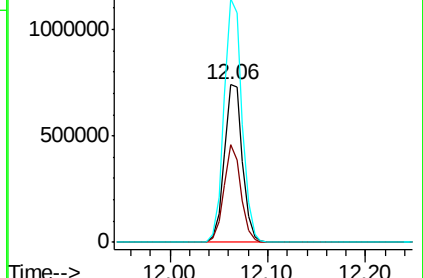
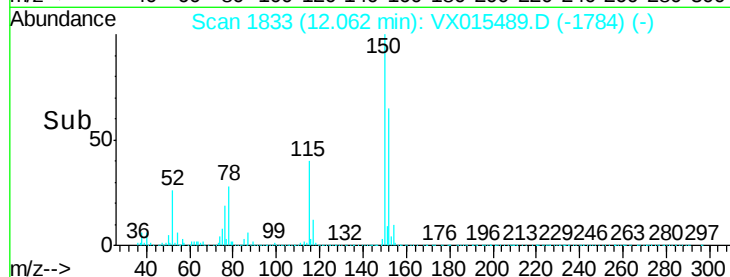
150 153.5 0.0 340.8



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



#76

1,2,3-Trichloropropane

Concen: 25.128 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015489.D

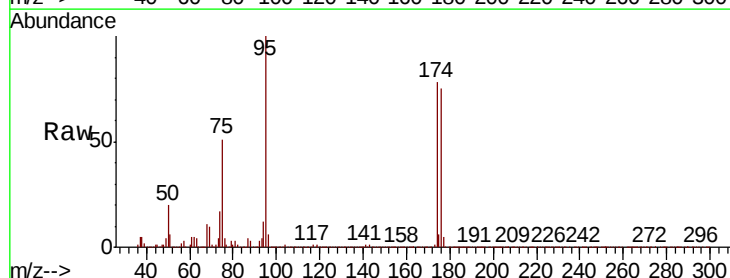
Acq: 02 Apr 2020 18:00

Tgt Ion: 75 Resp: 488762

Ion Ratio Lower Upper

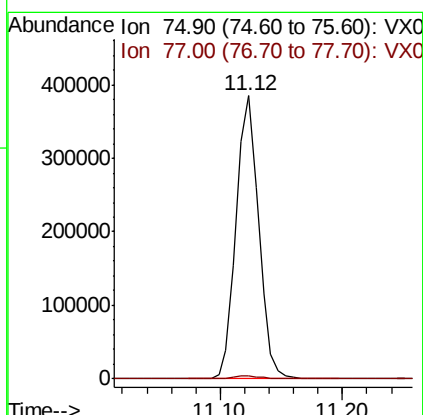
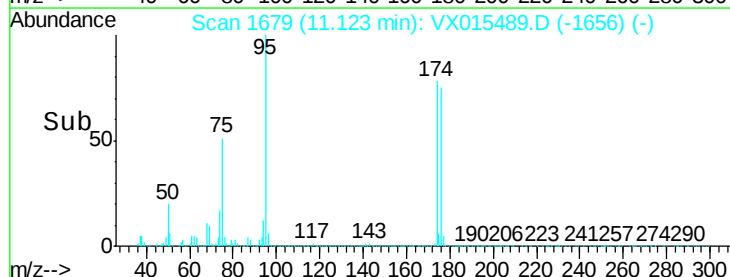
75 100

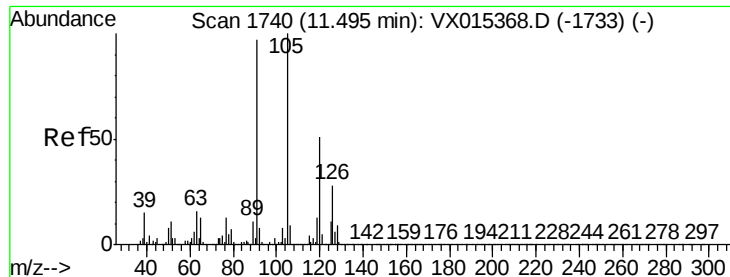
77 1.1 21.2 63.6#



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: 0.864 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

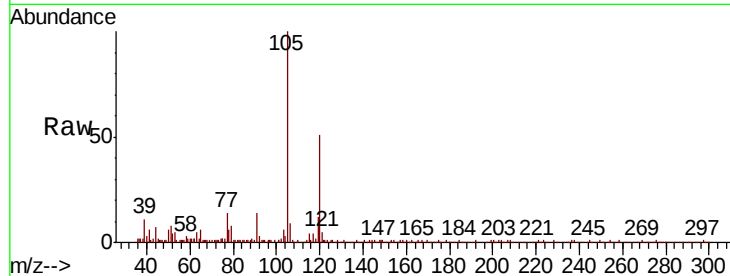
PB127948ZHE#11

Tot Ion:105 Resp: 45718

Ion Ratio Lower Upper

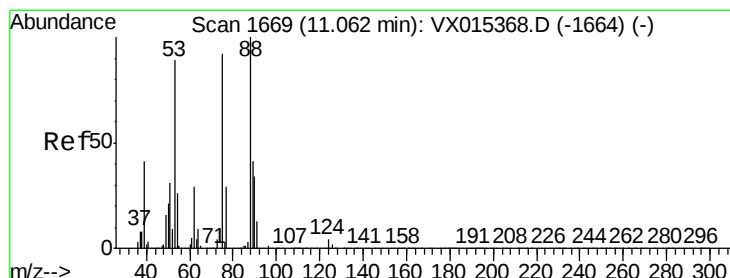
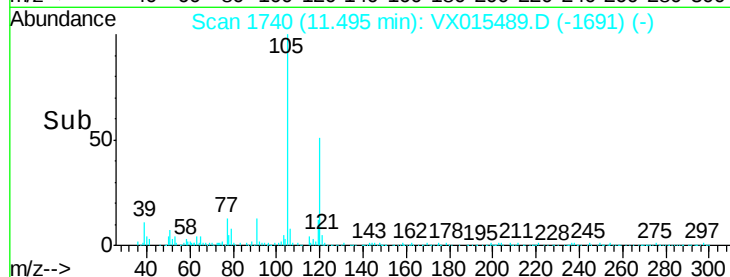
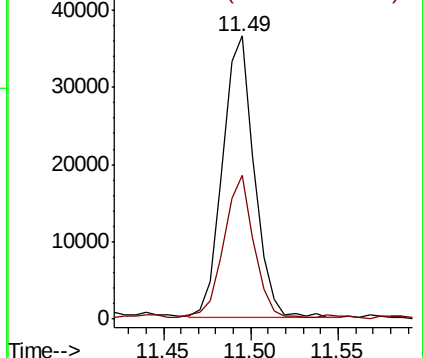
105 100

120 48.6 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: 60.293 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015489.D

Acq: 02 Apr 2020 18:00

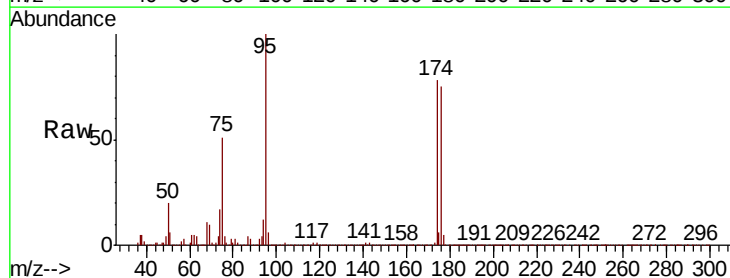
Tgt Ion: 75 Resp: 488762

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

