

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015806.D
 Acq On : 21 Apr 2020 19:40
 Operator : JC/SP
 Sample : L2327-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-D

Quant Time: Apr 22 04:21:51 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	1048853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1580275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1511088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	866212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	574947	38.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.74%	
35) Dibromofluoromethane	5.47	113	461178	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
50) Toluene-d8	8.70	98	1925569	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.12	95	805667	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

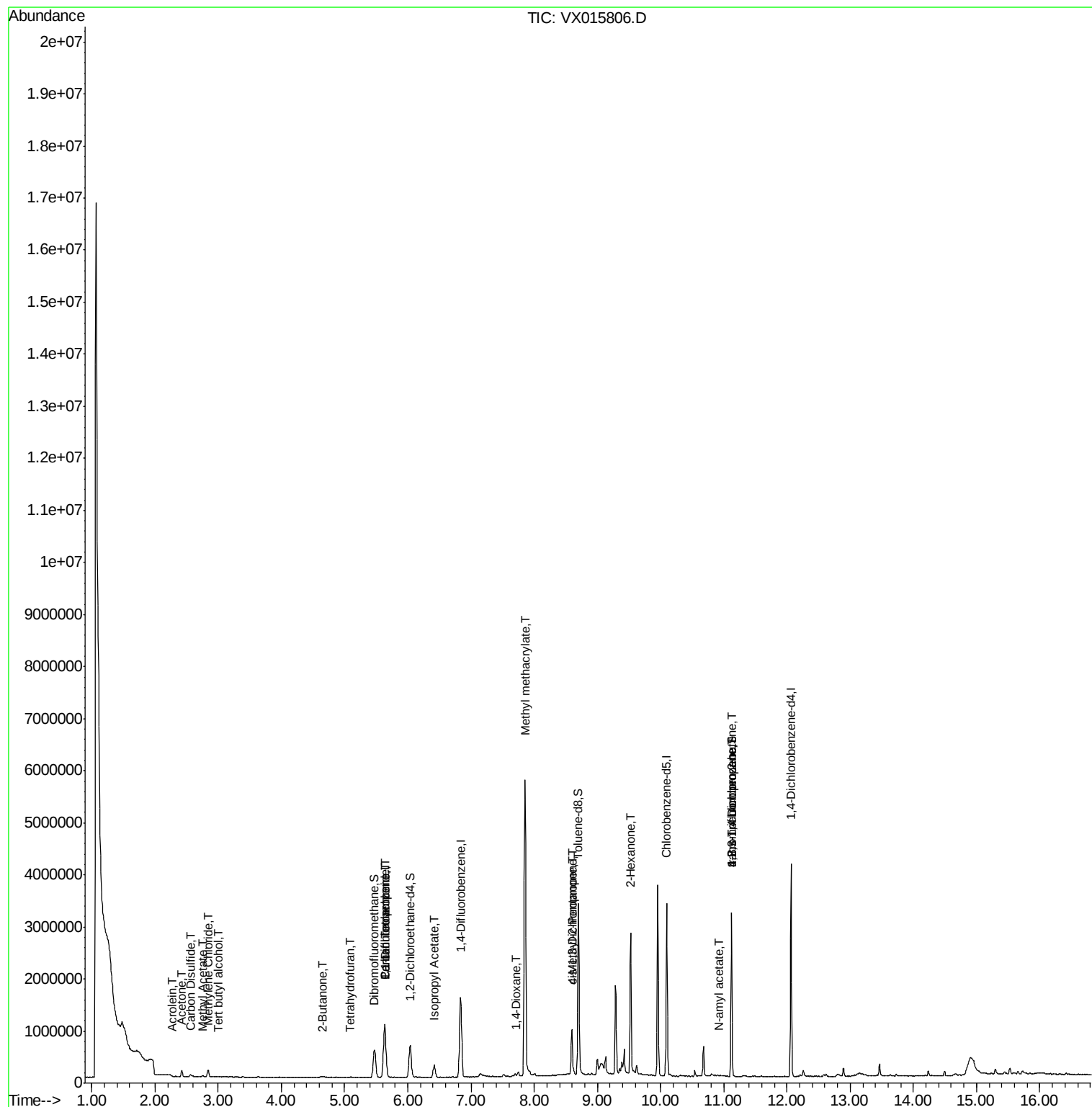
					Qvalue	
5) Bromomethane	1.62	94	186	Below Cal	#	1
11) Tert butyl alcohol	2.99	59	1806	0.510	ug/l #	1
13) Acrolein	2.27	56	950	0.471	ug/l #	47
16) Acetone	2.42	43	169498	26.670	ug/l	96
17) Carbon Disulfide	2.56	76	49560	1.641	ug/l	99
18) Methyl Acetate	2.76	43	22398	1.381	ug/l	99
20) Methylene Chloride	2.84	84	55927	4.711	ug/l	93
25) 2-Butanone	4.65	43	24381	2.385	ug/l	100
29) Tetrahydrofuran	5.09	42	4636	0.706	ug/l #	87
36) 1,1-Dichloropropene	5.64	75	70917	4.871	ug/l #	54
38) Carbon Tetrachloride	5.63	117	92083	5.839	ug/l #	15
43) Isopropyl Acetate	6.42	43	343558	10.735	ug/l	98
48) Methyl methacrylate	7.86	41	498219	31.166	ug/l #	47
49) 1,4-Dioxane	7.72	88	4252	14.258	ug/l #	77
51) 4-Methyl-2-Pentanone	8.60	43	380098	20.956	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	145177	7.451	ug/l #	47
59) 2-Hexanone	9.53	43	328950	24.022	ug/l #	53
74) N-amyl acetate	10.92	43	11233	0.356	ug/l #	54
76) 1,2,3-Trichloropropane	11.12	75	386189	21.680	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	386189	52.021	ug/l #	10

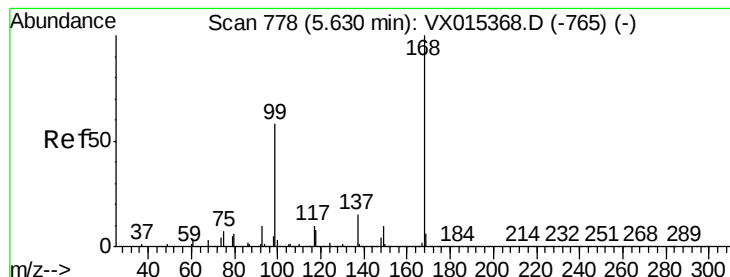
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampled :

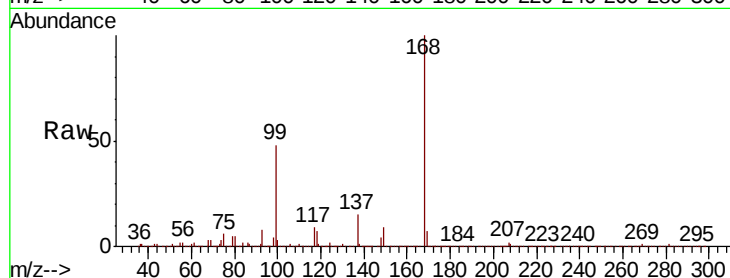
TP-1-D

Tot Ion:168 Resp: 1048853

Ion Ratio Lower Upper

168 100

99 48.2 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

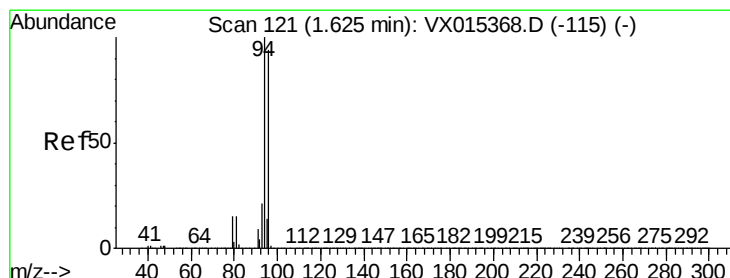
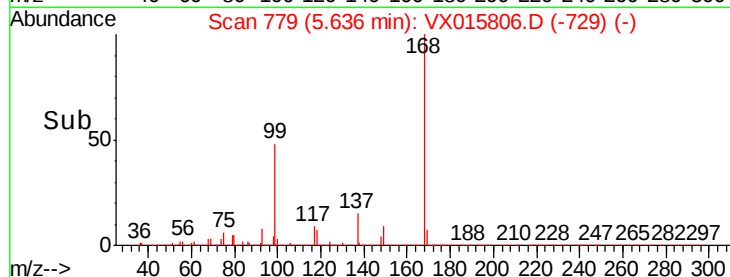
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015806.D

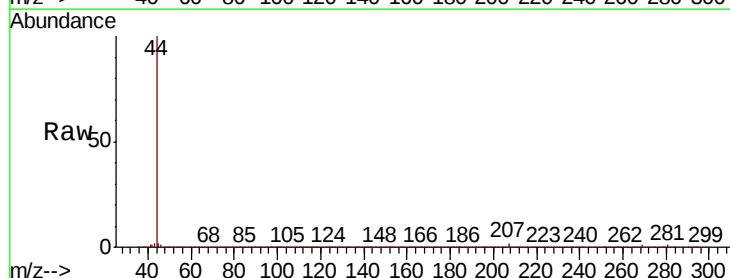
Acq: 21 Apr 2020 19:40

Tgt Ion: 94 Resp: 186

Ion Ratio Lower Upper

94 100

96 210.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

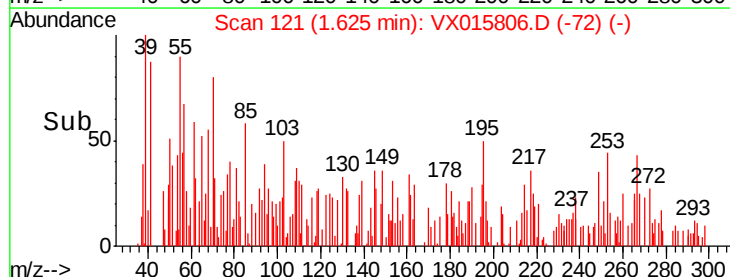
1500

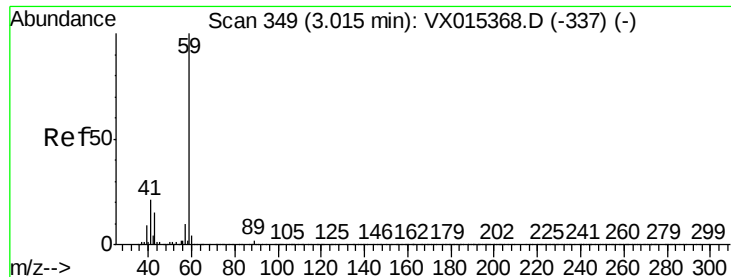
1000

500

0

Time-->

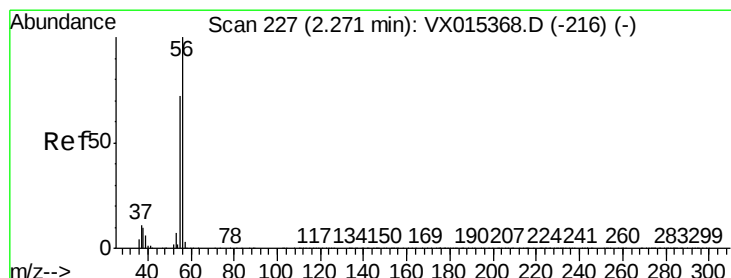
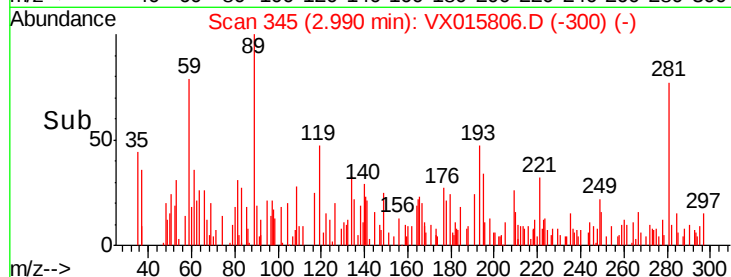
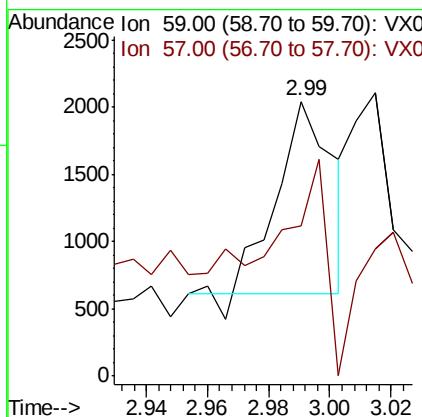
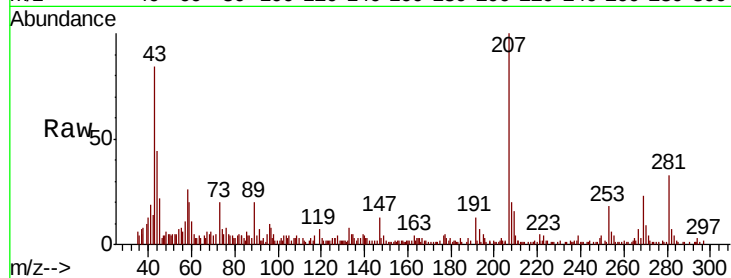




#11
Tert butyl alcohol
Concen: 0.510 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015806.D
Acq: 21 Apr 2020 19:40

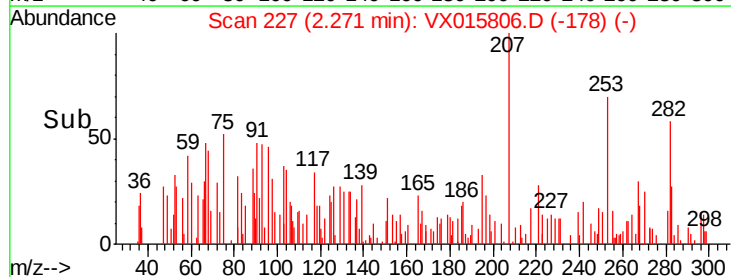
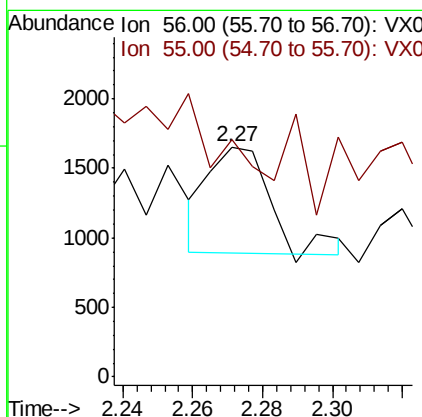
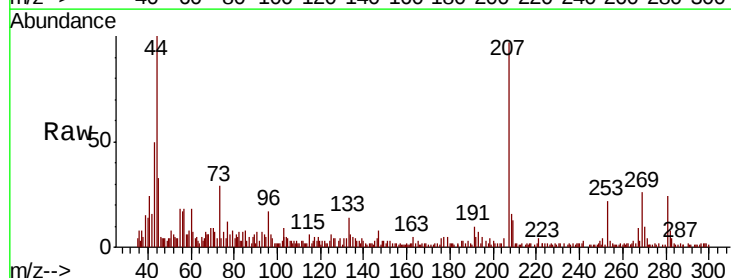
Instrument :
MSVOA_X
ClientSampled :
TP-1-D

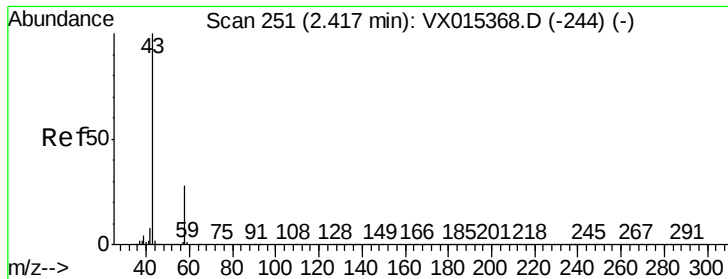
Tot Ion: 59 Resp: 1806
Ion Ratio Lower Upper
59 100
57 77.2 8.1 12.1#



#13
Acrolein
Concen: 0.471 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015806.D
Acq: 21 Apr 2020 19:40

Tgt Ion: 56 Resp: 950
Ion Ratio Lower Upper
56 100
55 115.5 57.0 85.4#





#16

Acetone

Concen: 26.670 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampled :

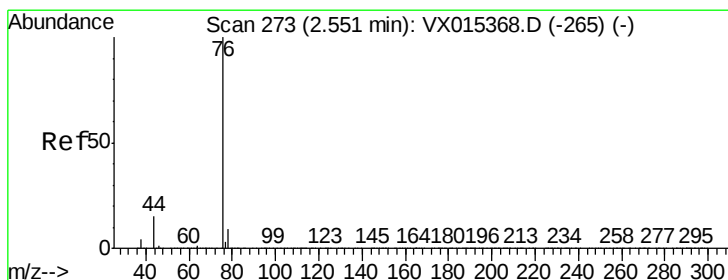
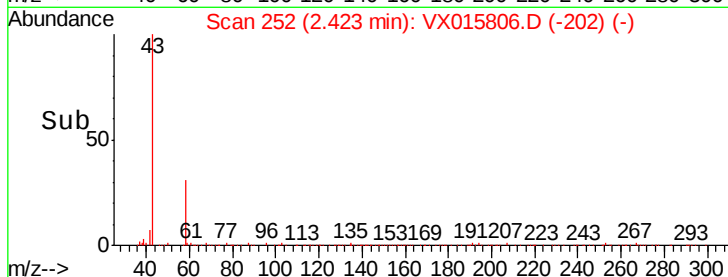
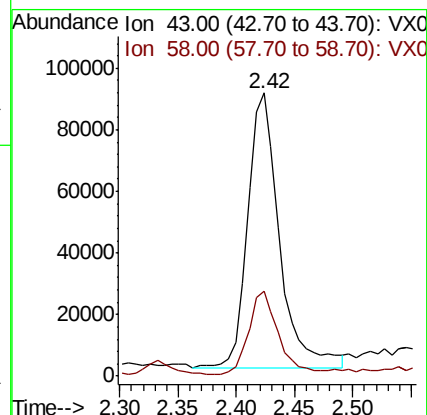
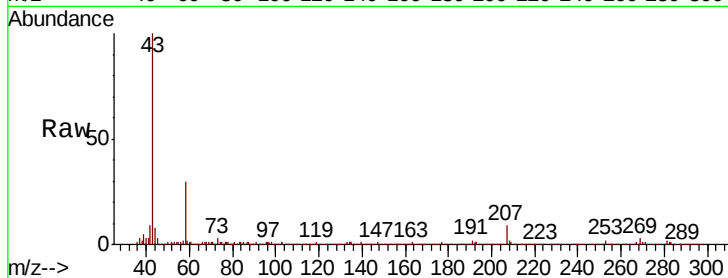
TP-1-D

Tot Ion: 43 Resp: 169498

Ion Ratio Lower Upper

43 100

58 29.7 22.1 33.1



#17

Carbon Disulfide

Concen: 1.641 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015806.D

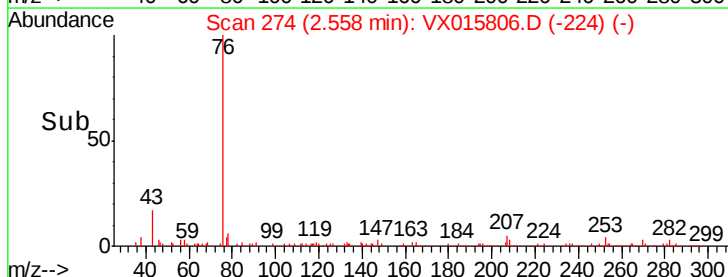
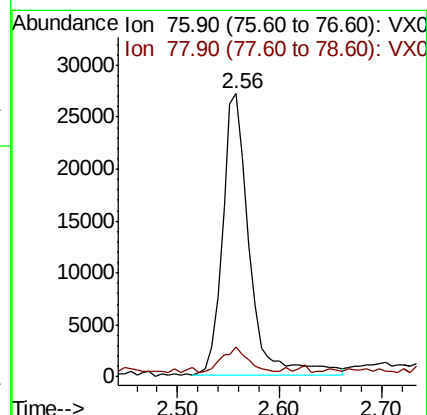
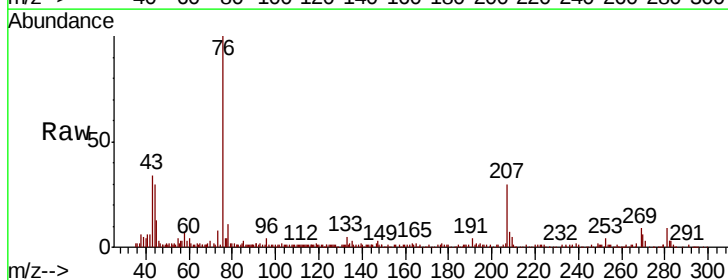
Acq: 21 Apr 2020 19:40

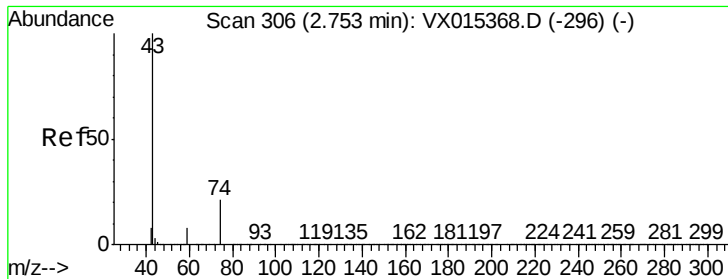
Tgt Ion: 76 Resp: 49560

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

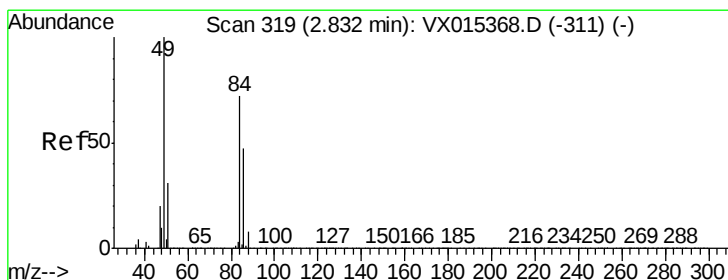
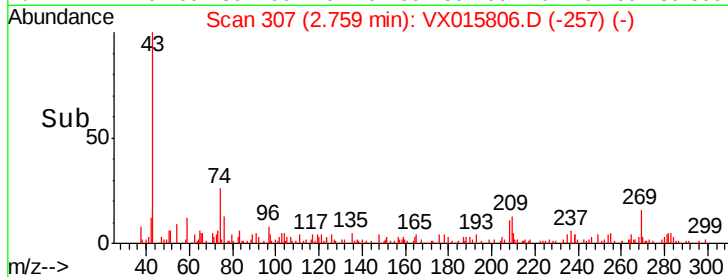
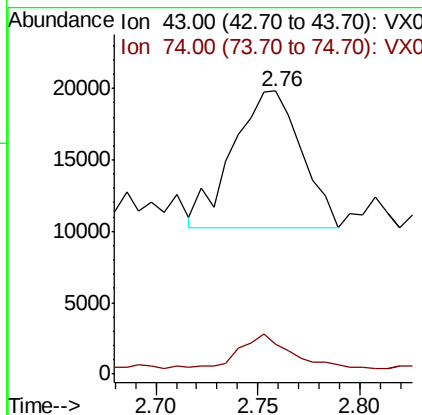
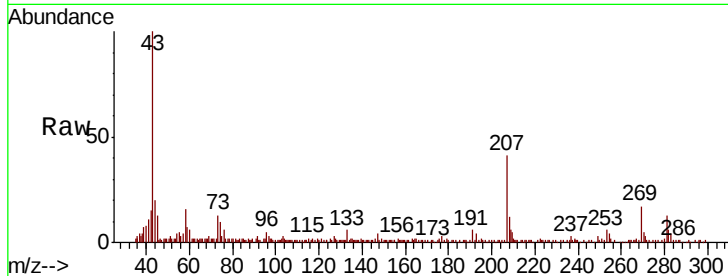




#18
Methvl Acetate
Concen: 1.381 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015806.D
Acq: 21 Apr 2020 19:40

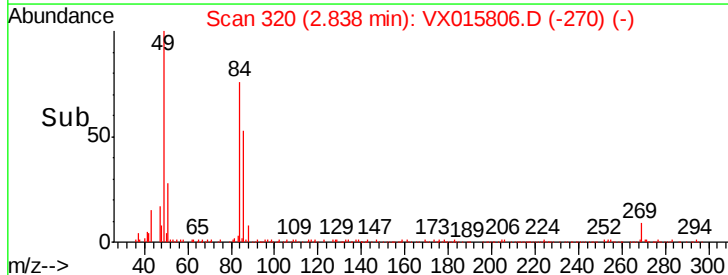
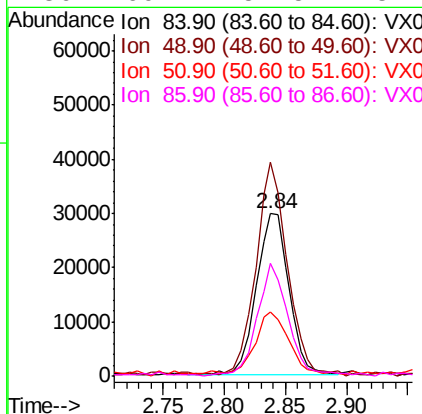
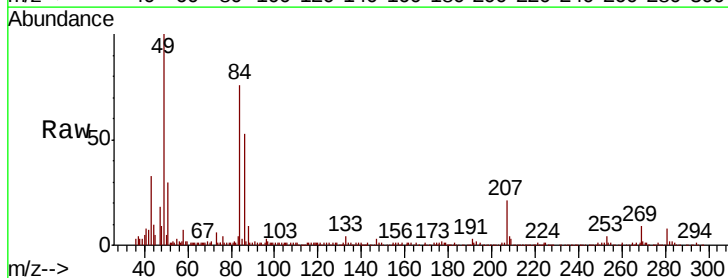
Instrument :
MSVOA_X
ClientSampled :
TP-1-D

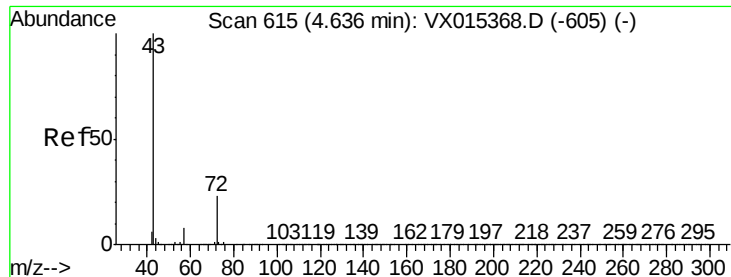
Tot Ion: 43 Resp: 22398
Ion Ratio Lower Upper
43 100
74 20.0 16.5 24.7



#20
Methylene Chloride
Concen: 4.711 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015806.D
Acq: 21 Apr 2020 19:40

Tgt Ion: 84 Resp: 55927
Ion Ratio Lower Upper
84 100
49 130.0 111.3 166.9
51 38.1 34.0 51.0
86 69.2 52.5 78.7

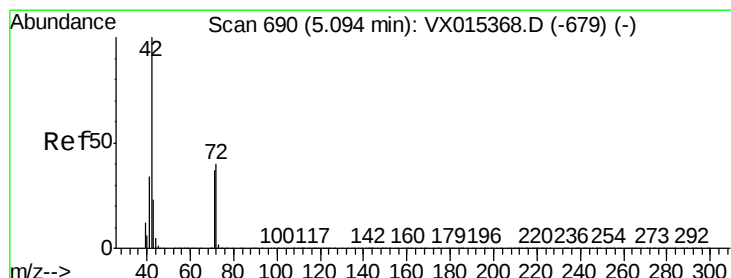
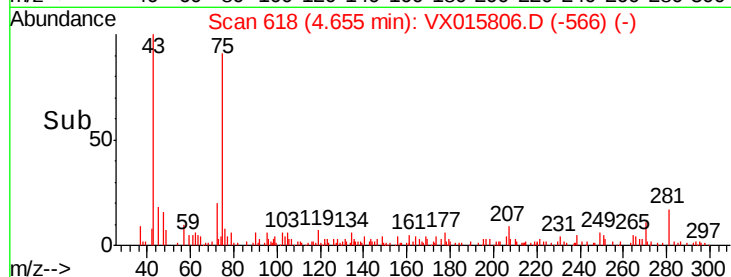
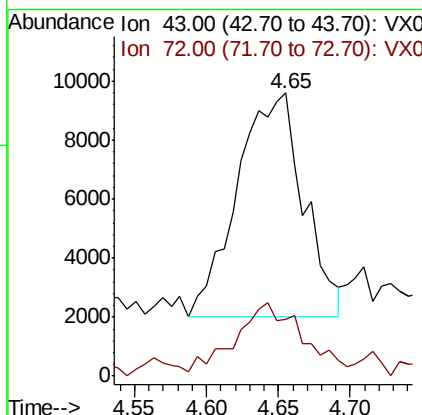
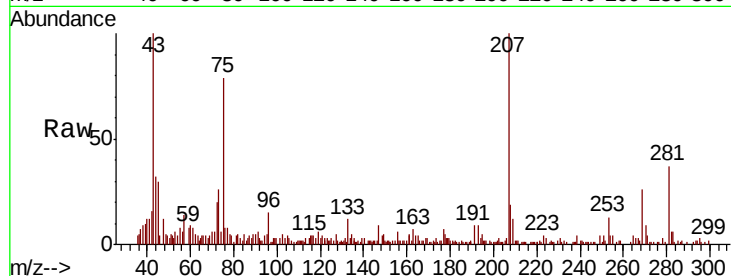




#25
2-Butanone
Concen: 2.385 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015806.D
Acq: 21 Apr 2020 19:40

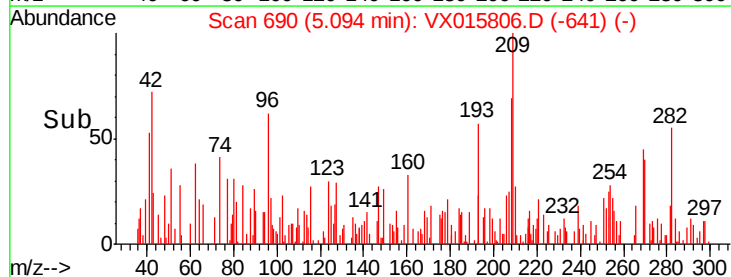
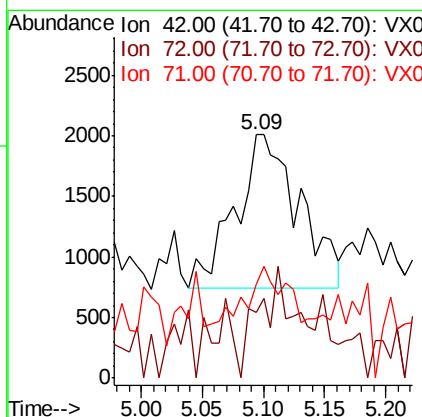
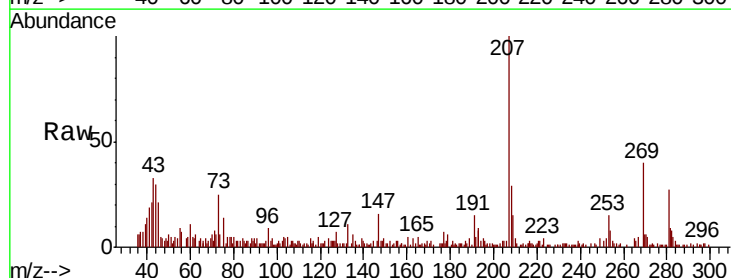
Instrument :
MSVOA_X
ClientSampled :
TP-1-D

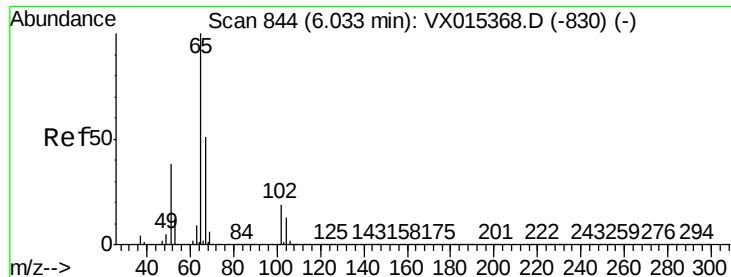
Tot Ion: 43 Resp: 24381
Ion Ratio Lower Upper
43 100
72 23.5 19.0 28.4



#29
Tetrahydrofuran
Concen: 0.706 ug/l
RT: 5.09 min Scan# 690
Delta R.T. 0.00 min
Lab File: VX015806.D
Acq: 21 Apr 2020 19:40

Tgt Ion: 42 Resp: 4636
Ion Ratio Lower Upper
42 100
72 43.3 31.7 47.5
71 25.3 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 38.866 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

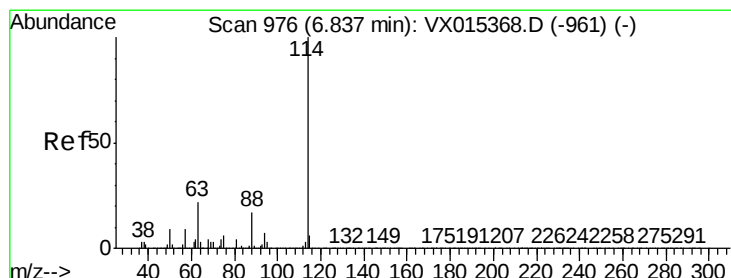
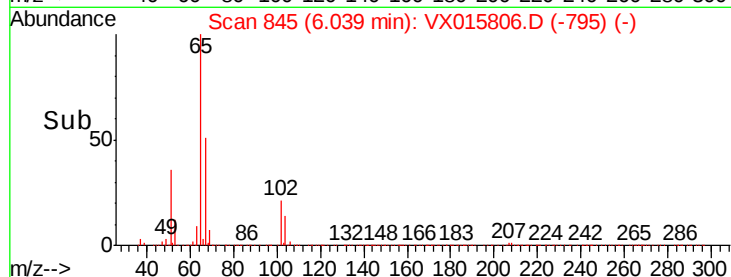
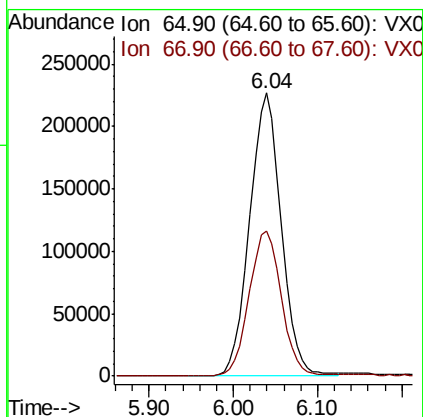
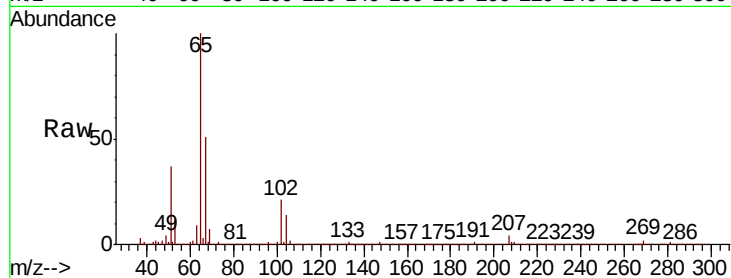
TP-1-D

Tot Ion: 65 Resp: 574947

Ion Ratio Lower Upper

65 100

67 52.2 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: VX015806.D

Acq: 21 Apr 2020 19:40

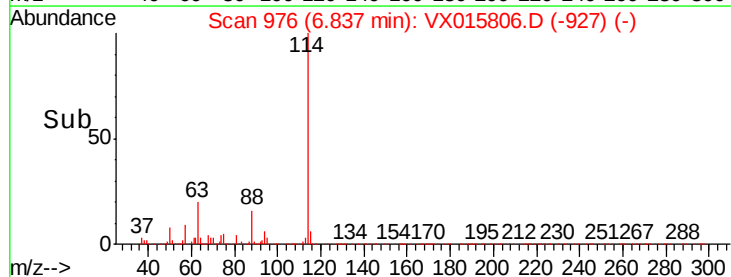
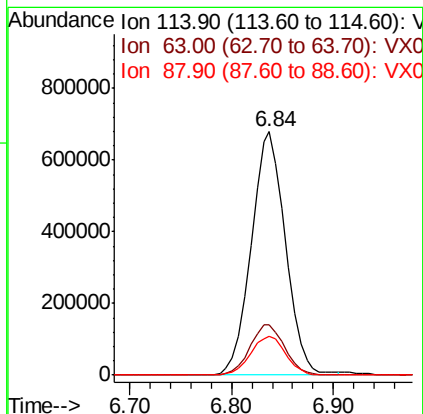
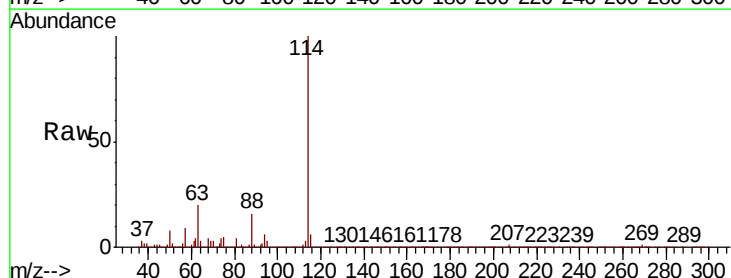
Tgt Ion: 114 Resp: 1580275

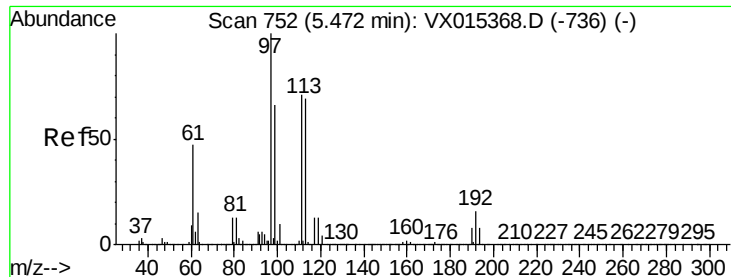
Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 15.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.654 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

TP-1-D

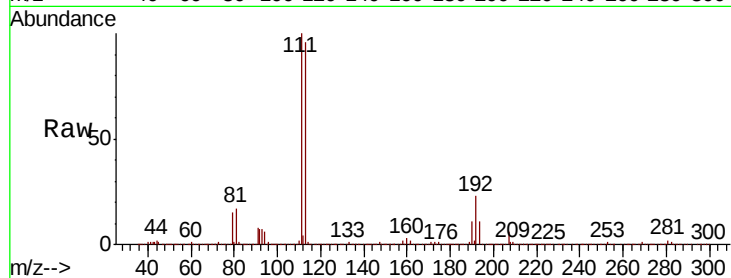
Tot Ion:113 Resp: 461178

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

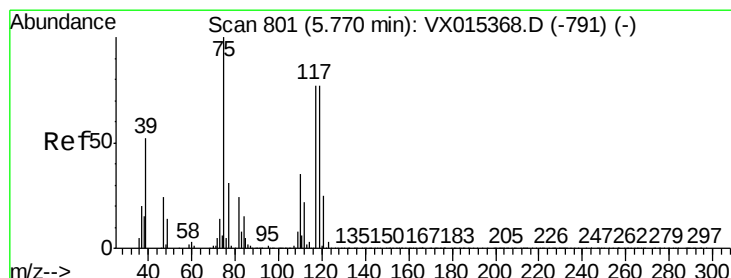
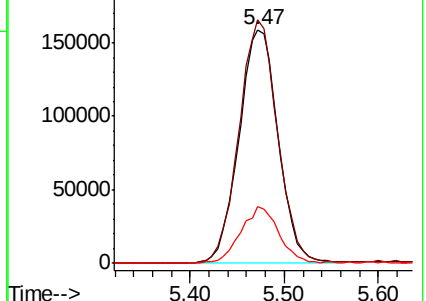
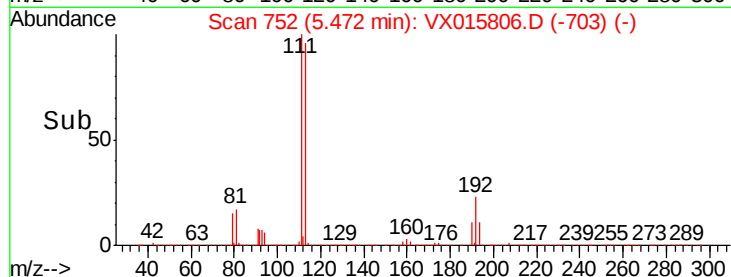
192 23.4 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.871 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

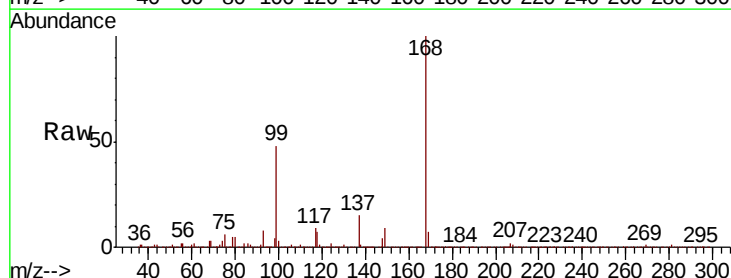
Tgt Ion: 75 Resp: 70917

Ion Ratio Lower Upper

75 100

110 11.6 17.1 51.3#

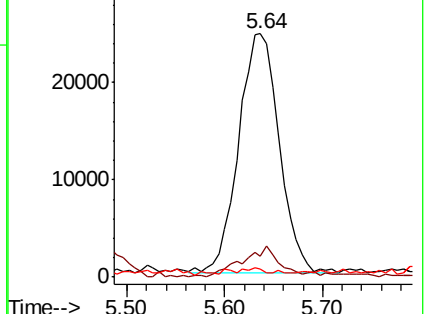
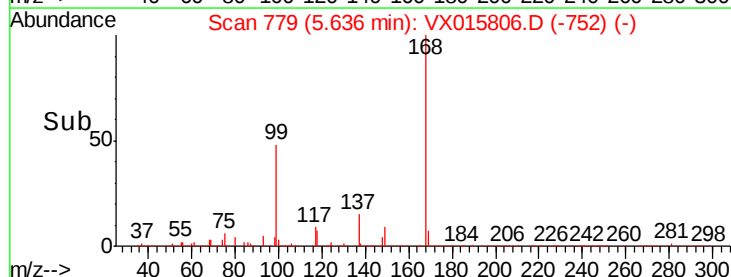
77 1.1 24.6 36.8#

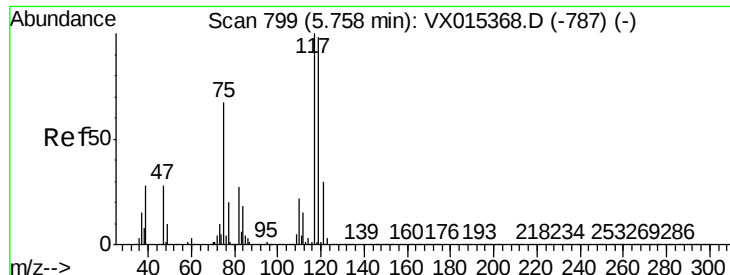


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.839 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

TP-1-D

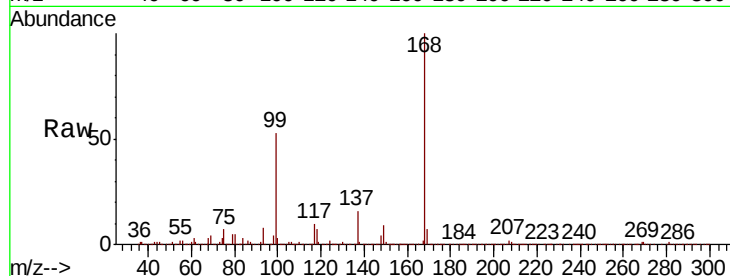
Tot Ion:117 Resp: 92083

Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

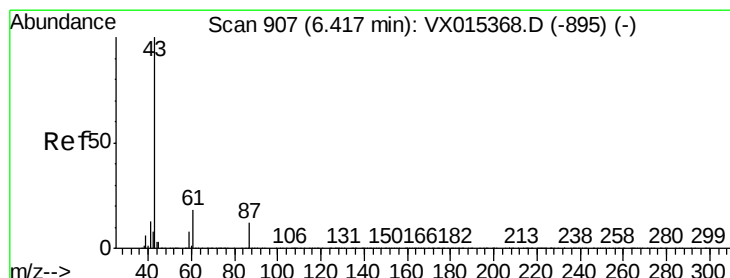
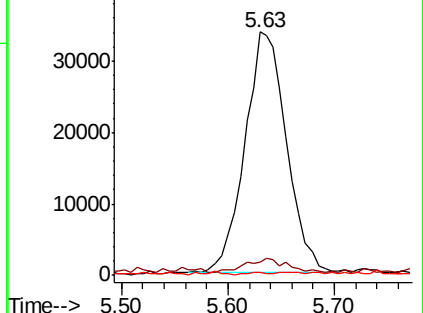
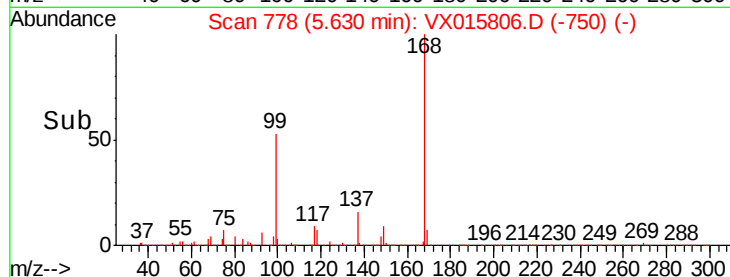
121 0.8 23.8 35.8#



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: 10.735 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

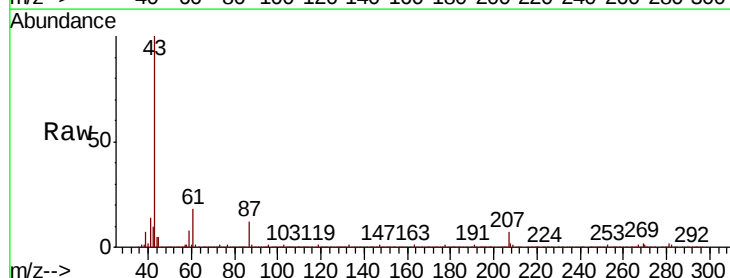
Tgt Ion: 43 Resp: 343558

Ion Ratio Lower Upper

43 100

61 19.2 14.8 22.2

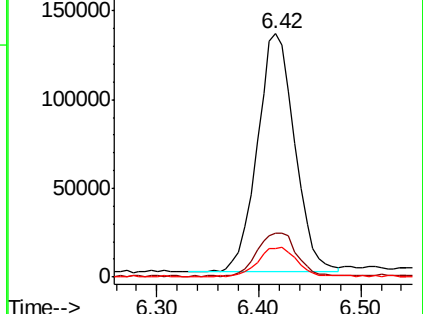
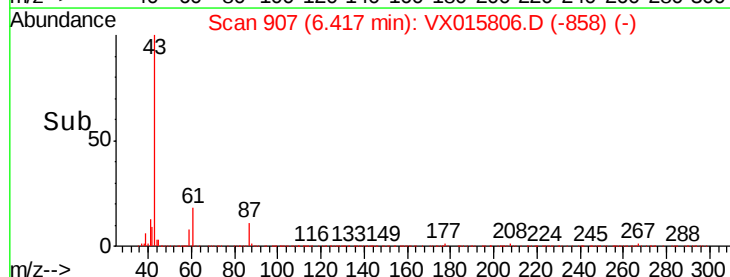
87 12.7 9.4 14.0

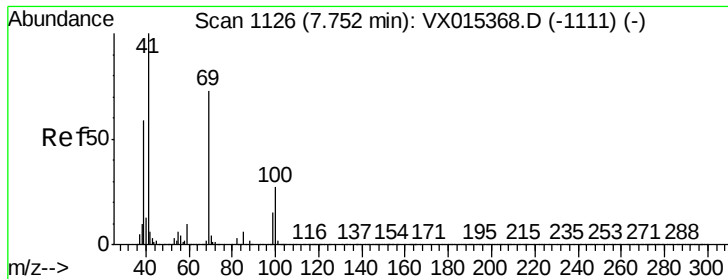


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 31.166 ug/l

RT: 7.86 min Scan# 1143

Delta R.T. 0.10 min

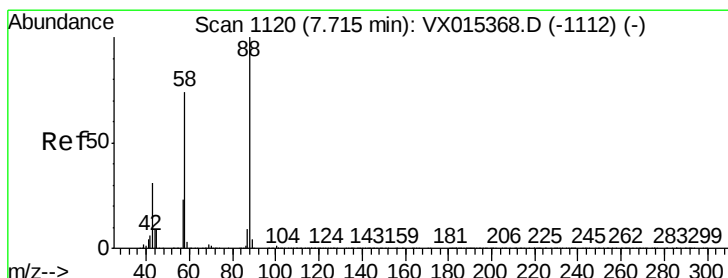
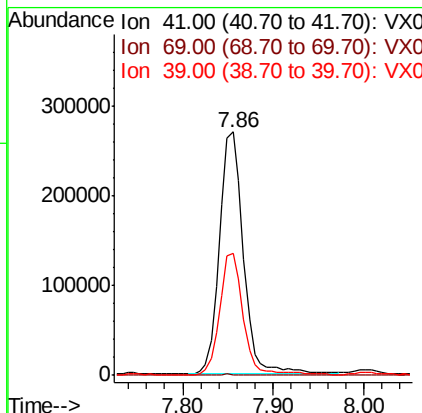
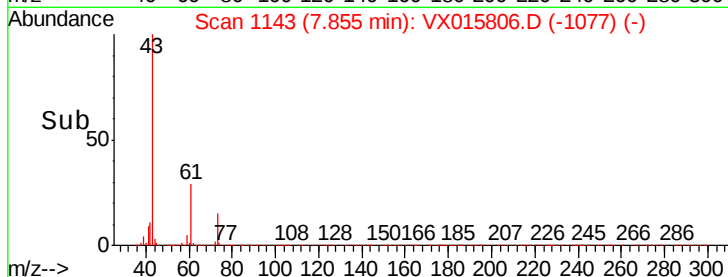
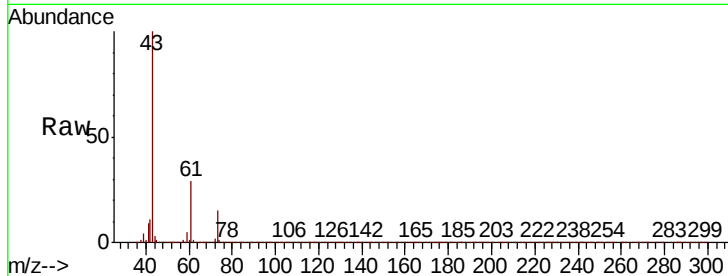
Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
TP-1-D

Tot Ion: 41 Resp: 498219

Ion	Ratio	Lower	Upper
41	100		
69	0.3	56.7	85.1#
39	48.7	46.5	69.7



#49

1,4-Dioxane

Concen: 14.258 ug/l

RT: 7.72 min Scan# 1120

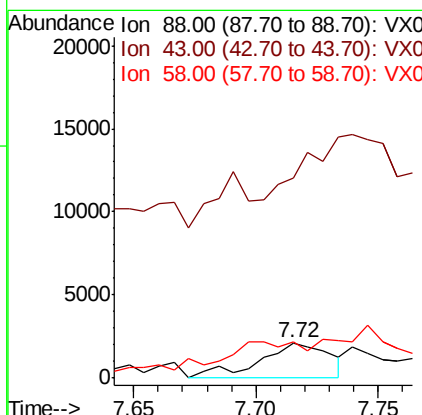
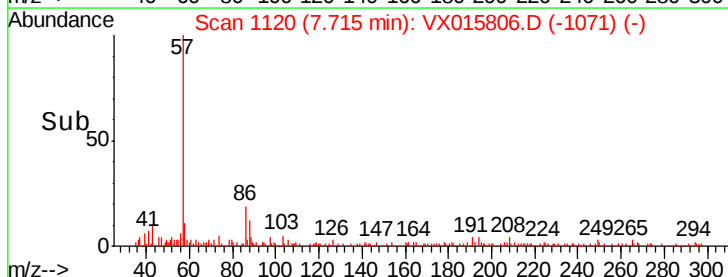
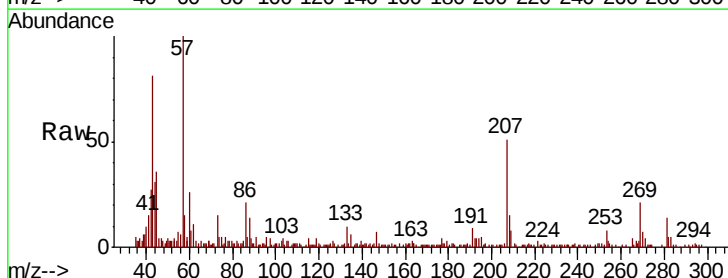
Delta R.T. 0.00 min

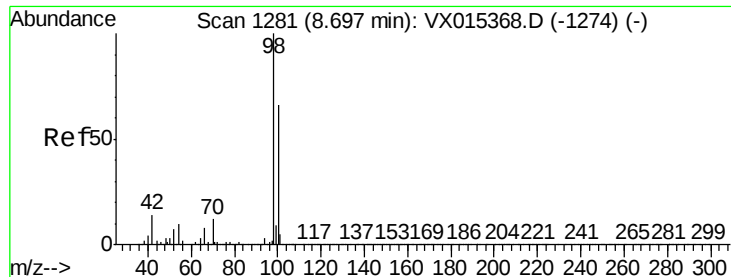
Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Tgt Ion: 88 Resp: 4252

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	73.3	60.6	90.8





#50

Toluene-d8

Concen: 51.775 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampled :

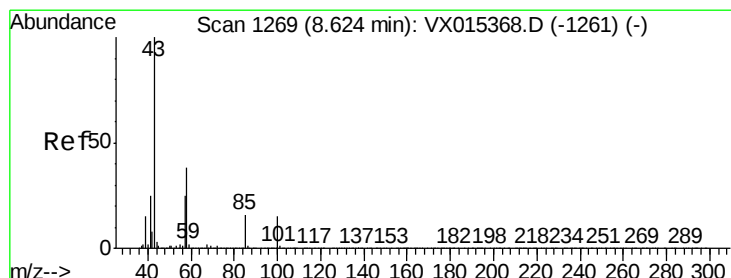
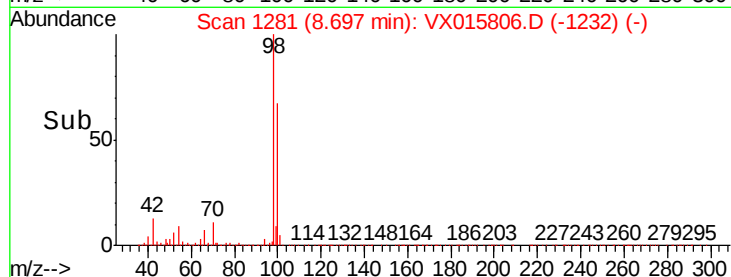
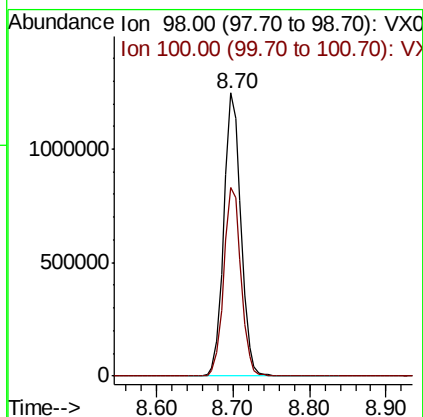
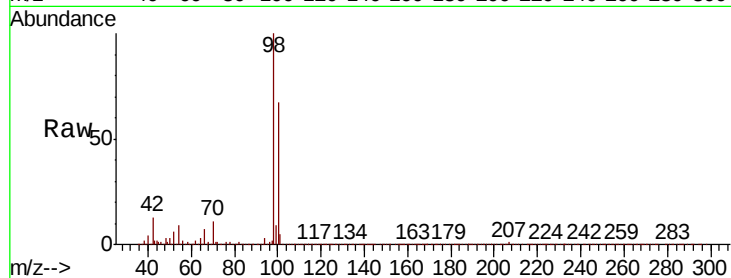
TP-1-D

Tot Ion: 98 Resp: 1925569

Ion Ratio Lower Upper

98 100

100 67.1 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 20.956 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015806.D

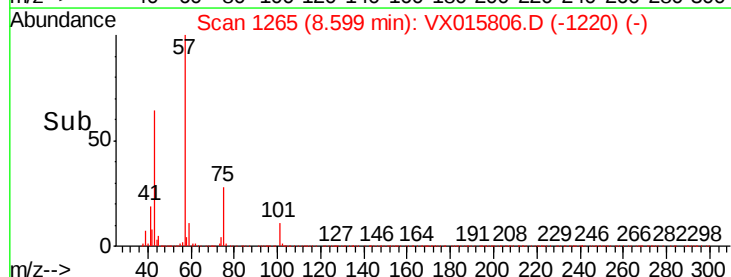
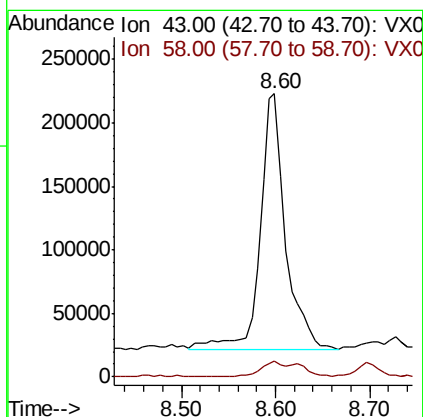
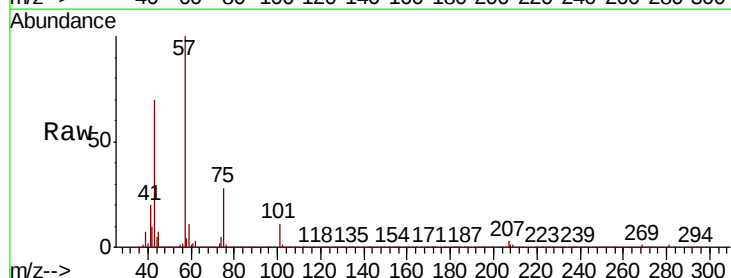
Acq: 21 Apr 2020 19:40

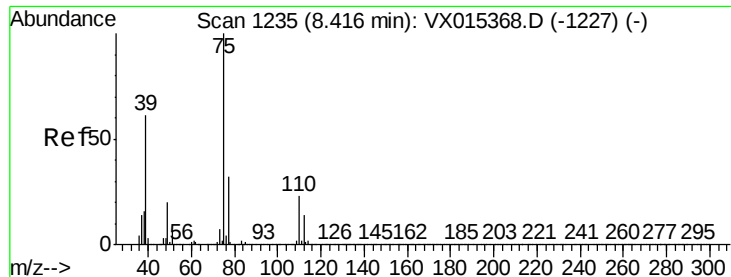
Tgt Ion: 43 Resp: 380098

Ion Ratio Lower Upper

43 100

58 5.3 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 7.451 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. 0.18 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

TP-1-D

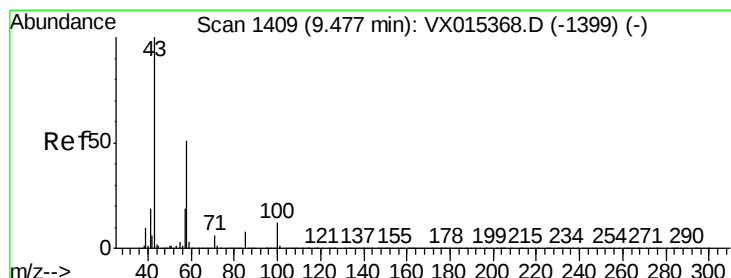
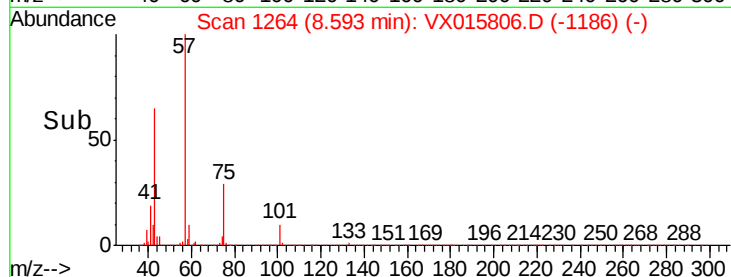
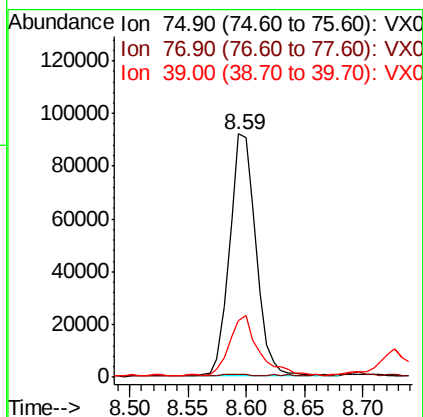
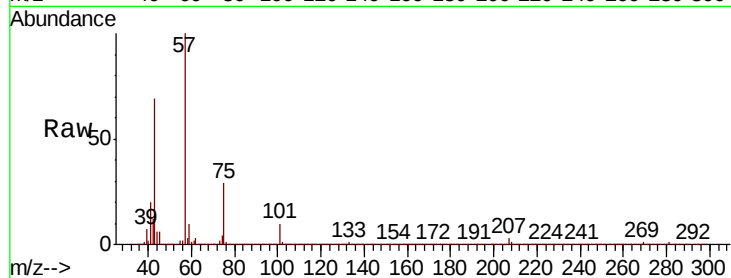
Tot Ion: 75 Resp: 145177

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

39 22.3 49.0 73.4#



#59

2-Hexanone

Concen: 24.022 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015806.D

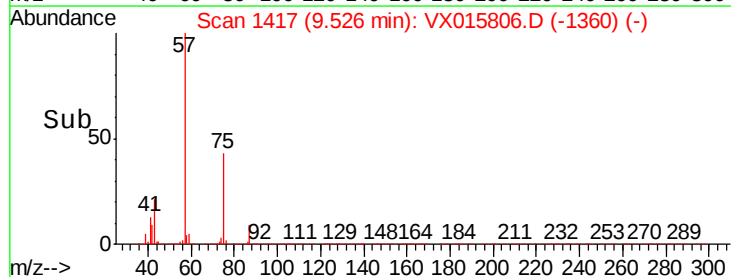
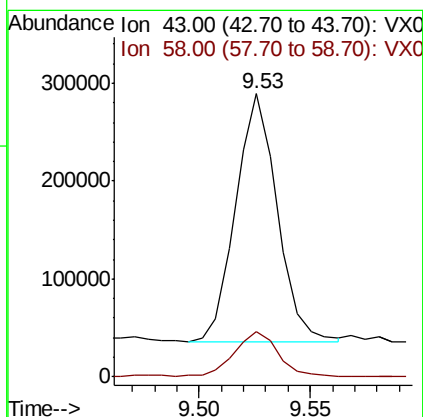
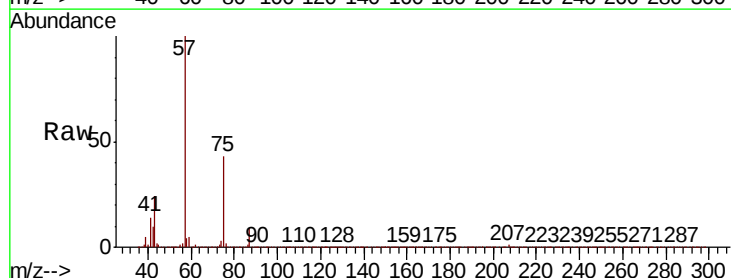
Acq: 21 Apr 2020 19:40

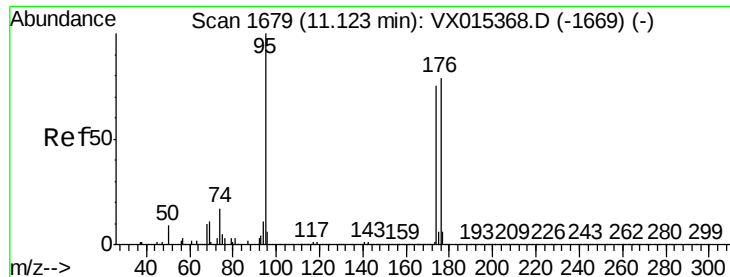
Tgt Ion: 43 Resp: 328950

Ion Ratio Lower Upper

43 100

58 18.5 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 53.304 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

TP-1-D

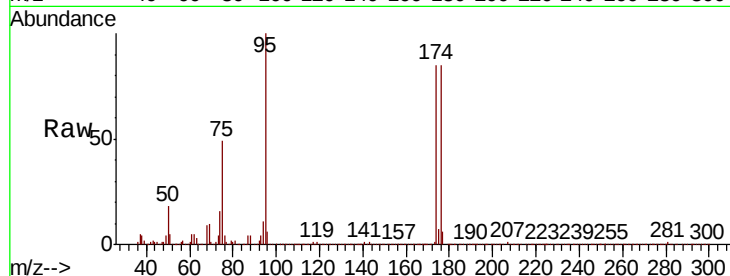
Tot Ion: 95 Resp: 805667

Ion Ratio Lower Upper

95 100

174 87.5 0.0 158.6

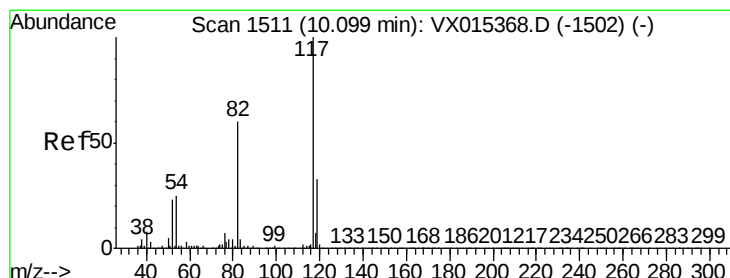
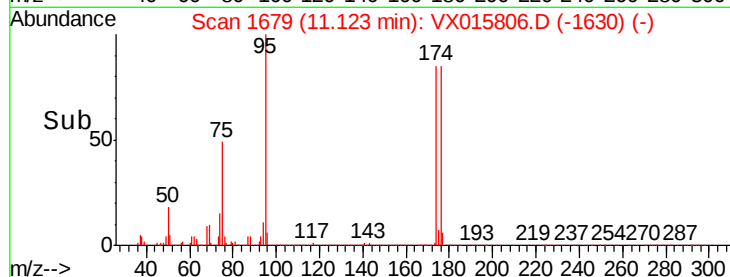
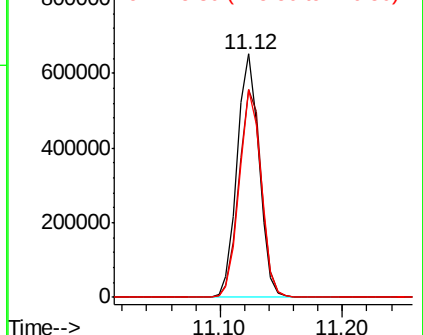
176 84.8 0.0 159.0



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: VX015806.D

Acq: 21 Apr 2020 19:40

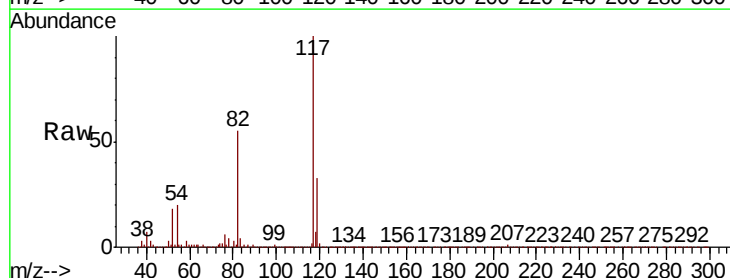
Tgt Ion: 117 Resp: 1511088

Ion Ratio Lower Upper

117 100

82 54.7 47.8 71.8

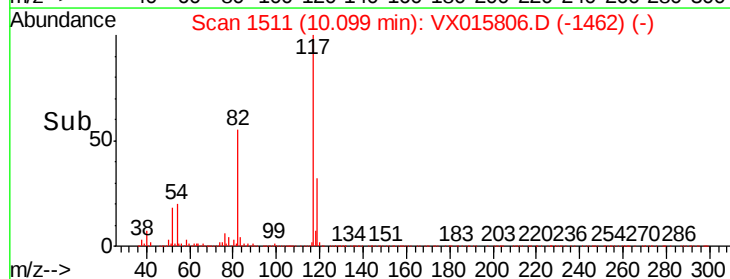
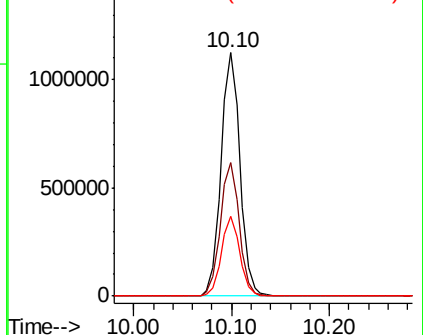
119 32.5 26.8 40.2

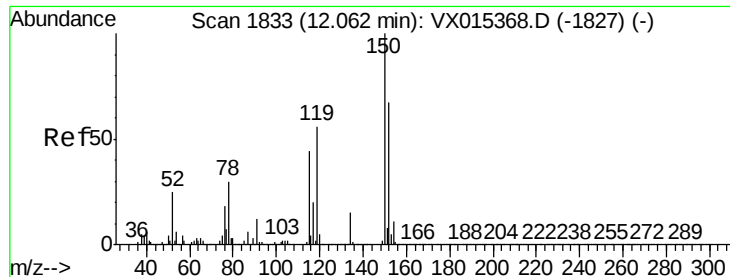


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampled :

TP-1-D

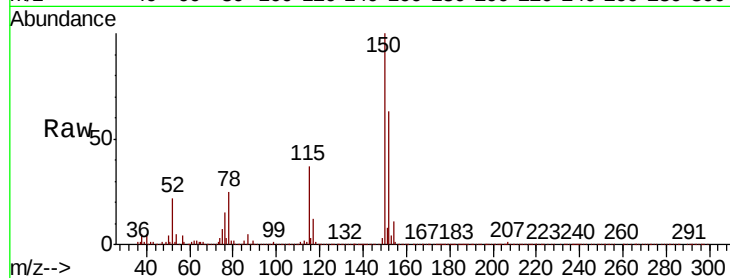
Tot Ion:152 Resp: 866212

Ion Ratio Lower Upper

152 100

115 56.3 39.0 116.9

150 158.0 0.0 340.8

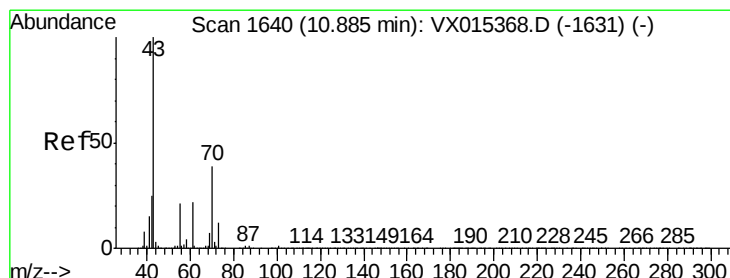
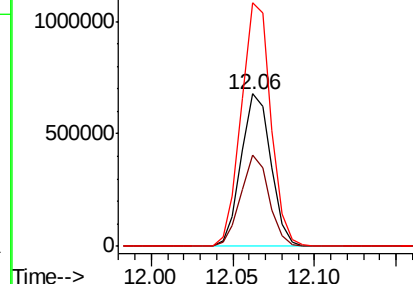
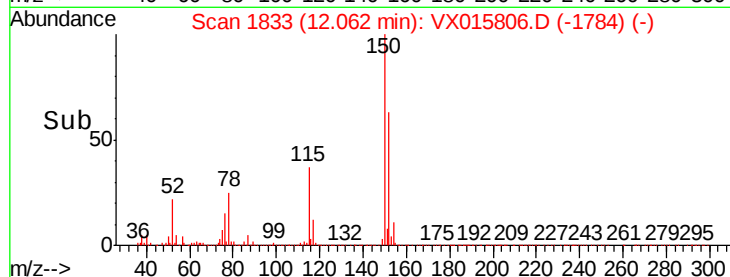


Abundance

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: 0.356 ug/l

RT: 10.92 min Scan# 1646

Delta R.T. 0.04 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Tgt Ion: 43 Resp: 11233

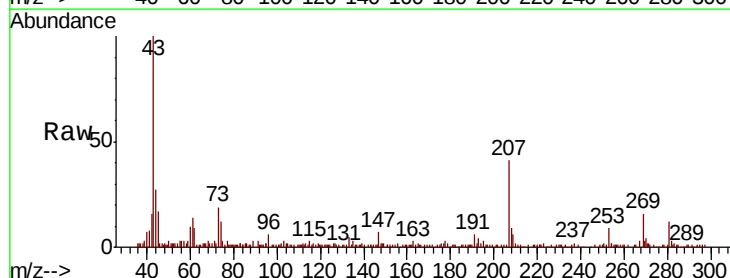
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 3.6 16.8 25.2#

61 10.1 18.2 27.2#



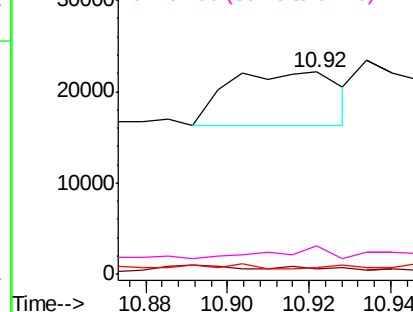
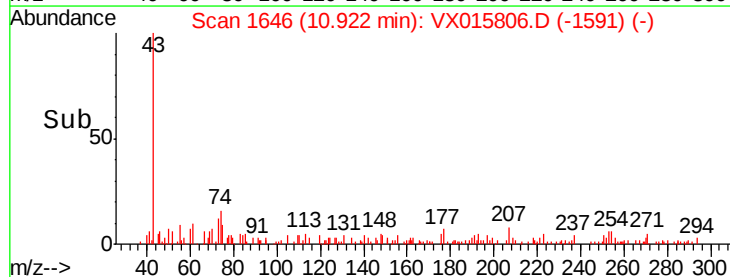
Abundance

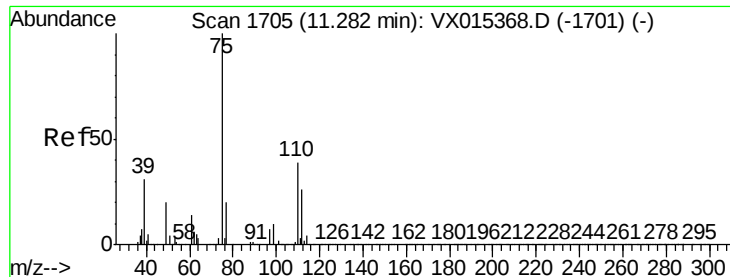
Ion 43.00 (42.70 to 43.70): VX0

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: 21.680 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

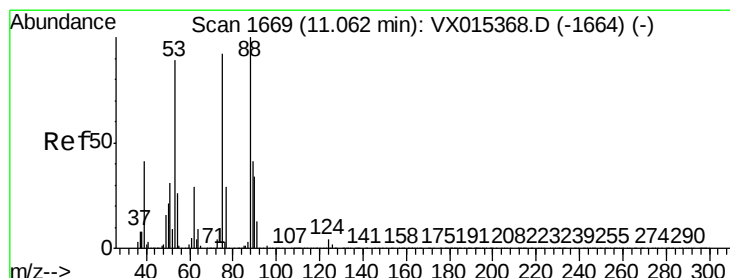
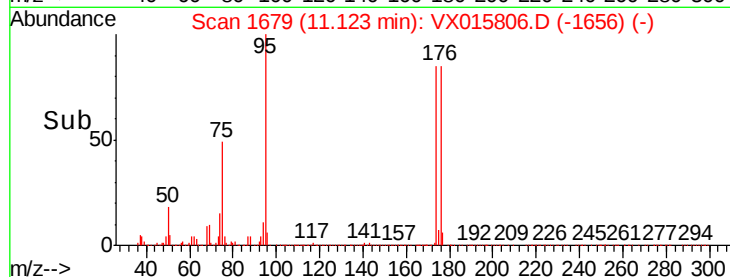
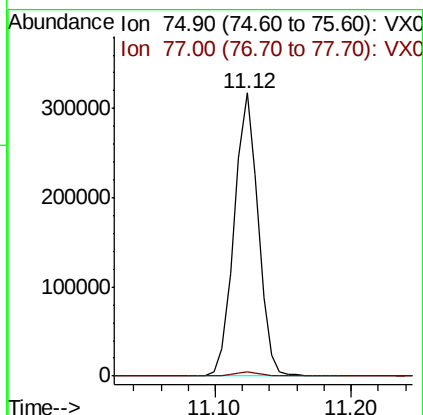
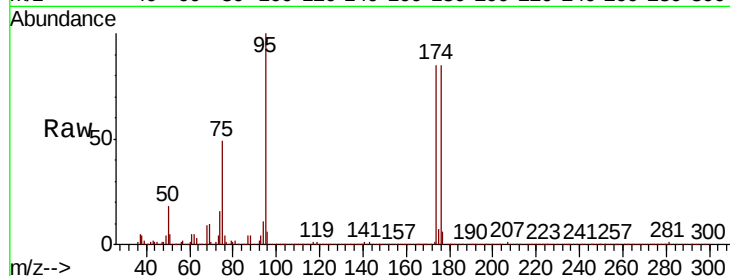
TP-1-D

Tot Ion: 75 Resp: 386189

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.021 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015806.D

Acq: 21 Apr 2020 19:40

Tgt Ion: 75 Resp: 386189

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.2 36.1 54.1#

