

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015918.D
 Acq On : 24 Apr 2020 02:27
 Operator : JC/SP
 Sample : L2378-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-S

Quant Time: Apr 24 03:43:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	828386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1291340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1250794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	723971	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	481652	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	5.47	113	376073	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	8.70	98	1549742	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.12	95	660308	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	

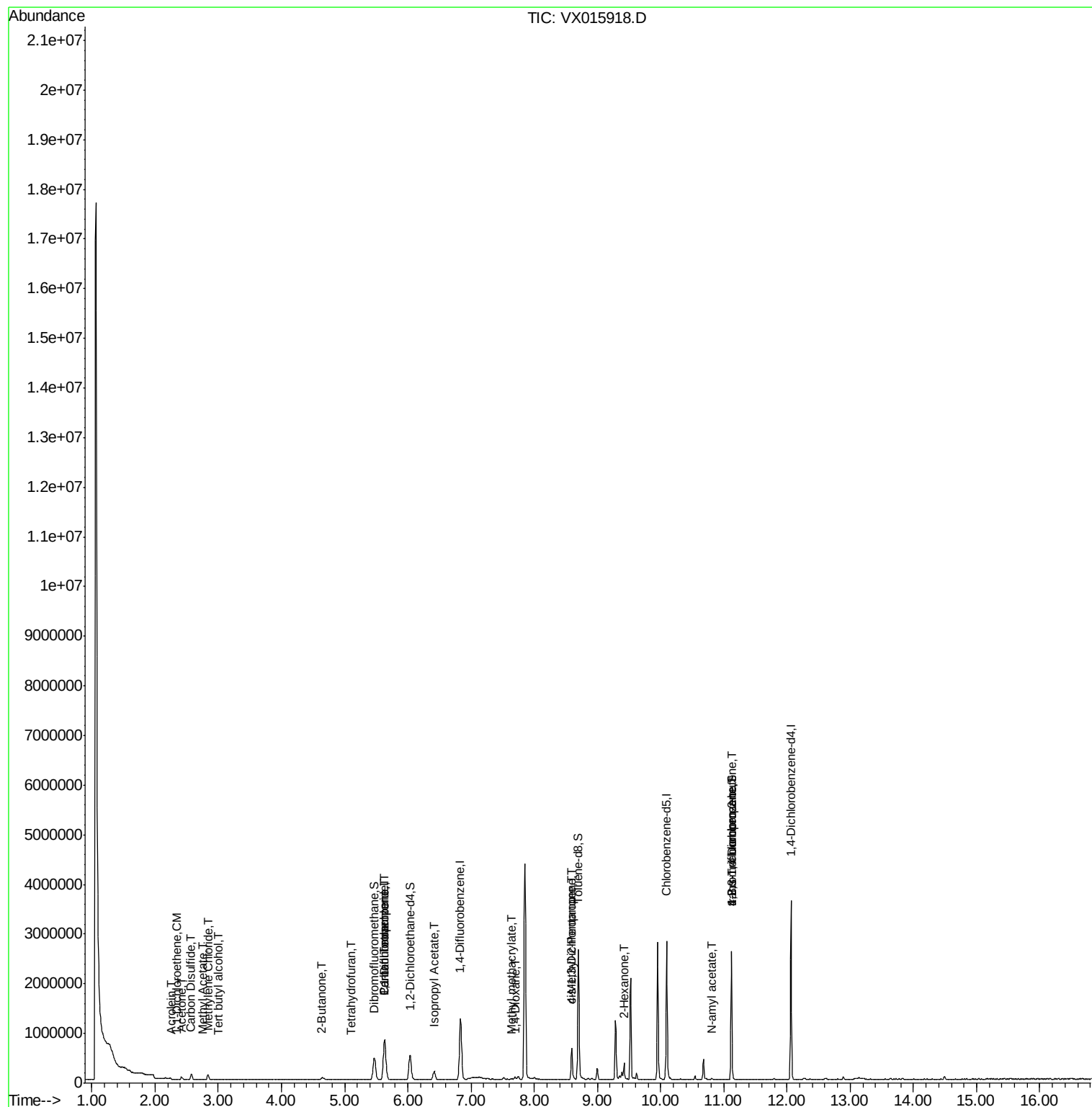
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	3749	1.948	ug/l #	58
12) 1,1-Dichloroethene	2.34	96	1581	0.218	ug/l #	7
13) Acrolein	2.27	56	491	0.431	ug/l #	61
16) Acetone	2.42	43	59440	14.489	ug/l	97
17) Carbon Disulfide	2.56	76	11683	0.443	ug/l	99
18) Methyl Acetate	2.75	43	7954	0.587	ug/l #	55
20) Methylene Chloride	2.84	84	47342	5.684	ug/l	92
25) 2-Butanone	4.64	43	25076	3.867	ug/l	99
29) Tetrahydrofuran	5.11	42	2523	0.588	ug/l #	35
36) 1,1-Dichloropropene	5.63	75	56371	4.924	ug/l #	53
38) Carbon Tetrachloride	5.64	117	73527	6.520	ug/l #	16
43) Isopropyl Acetate	6.42	43	253226	11.018	ug/l	99
48) Methyl methacrylate	7.65	41	15503	1.371	ug/l #	17
49) 1,4-Dioxane	7.71	88	135	0.632	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	244723	18.448	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	102136	6.637	ug/l #	58
59) 2-Hexanone	9.42	43	221895	21.957	ug/l #	25
74) N-amyl acetate	10.81	43	13653	0.575	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	326990	23.752	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	326990	57.136	ug/l #	12

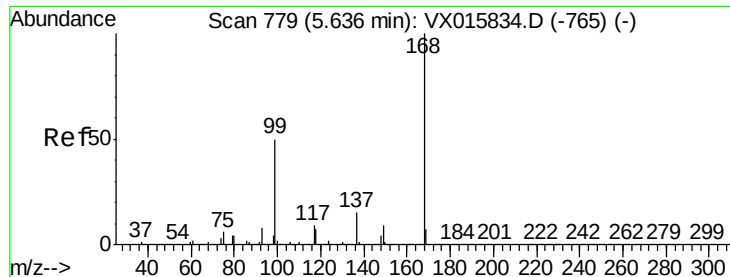
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 24 03:43:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.01 min

Lab File: VX015918.D

Acq: 24 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

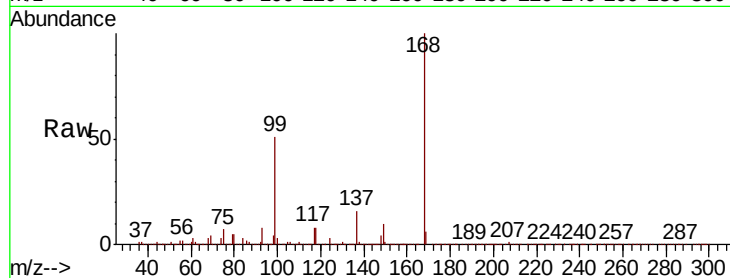
TP-3-S

Tot Ion:168 Resp: 828386

Ion Ratio Lower Upper

168 100

99 50.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

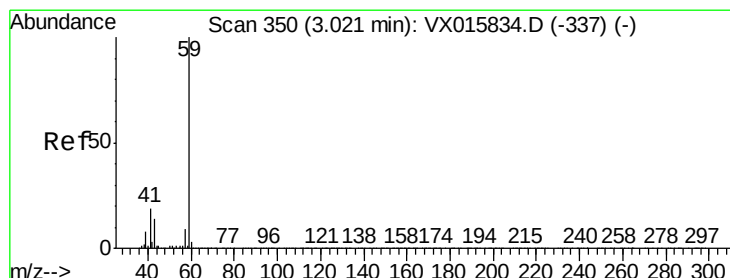
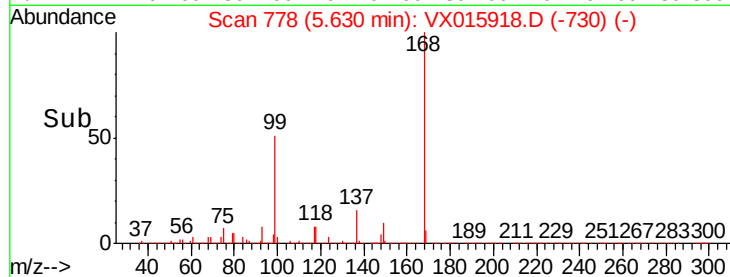
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.948 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015918.D

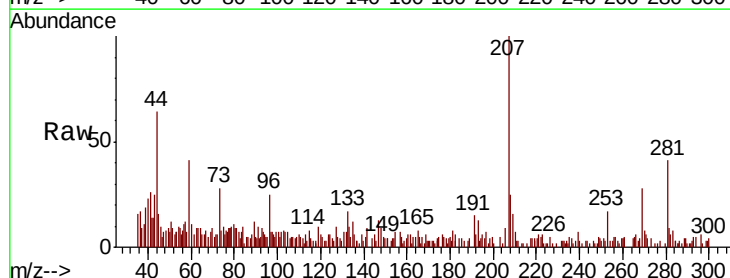
Acq: 24 Apr 2020 02:27

Tgt Ion: 59 Resp: 3749

Ion Ratio Lower Upper

59 100

57 26.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

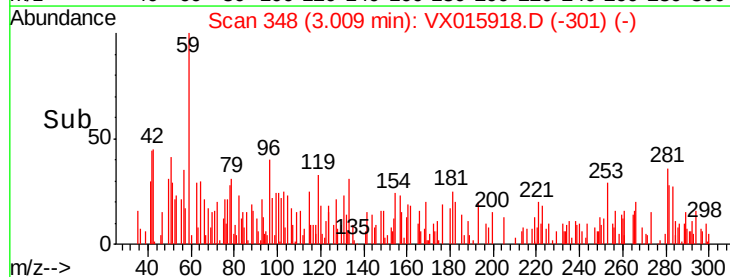
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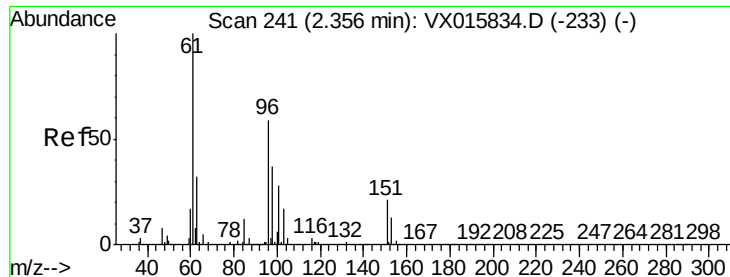
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Time-->

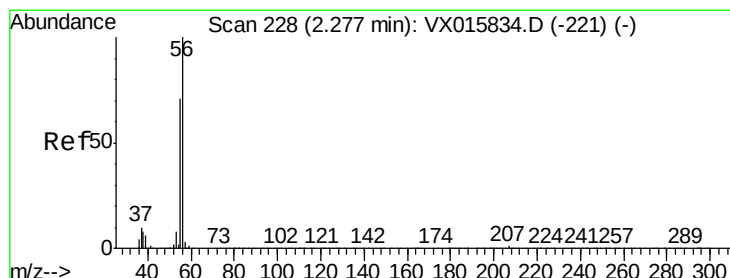
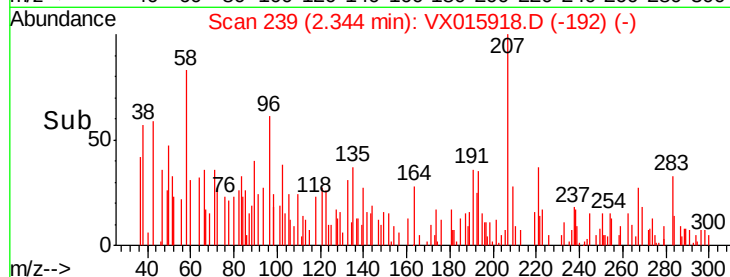
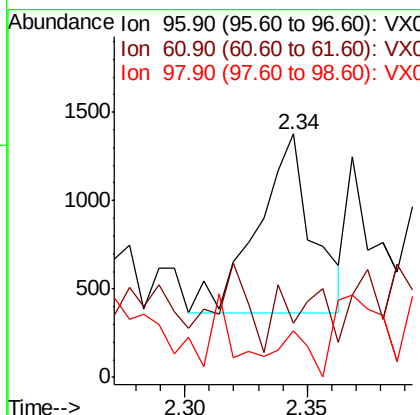
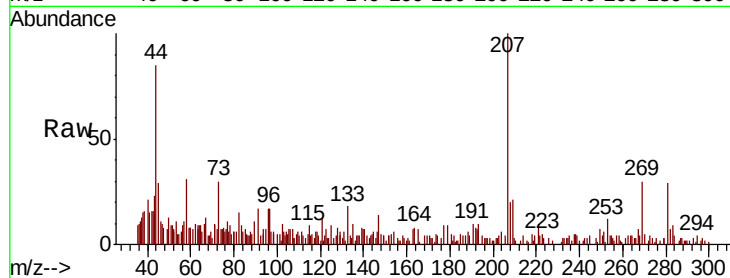




#12
 1,1-Dichloroethene
 Concen: 0.218 ug/l
 RT: 2.34 min Scan# 239
 Delta R.T. -0.01 min
 Lab File: VX015918.D
 Acq: 24 Apr 2020 02:27

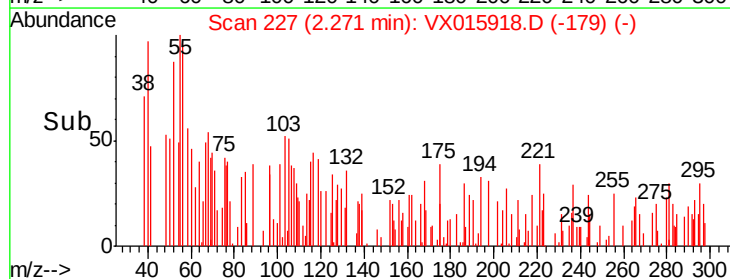
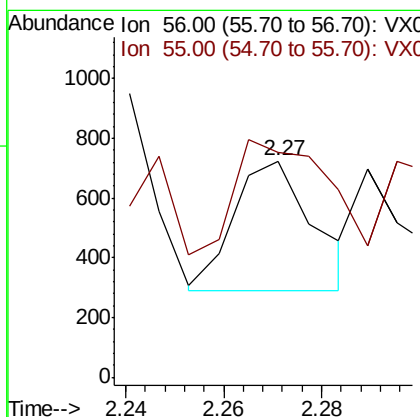
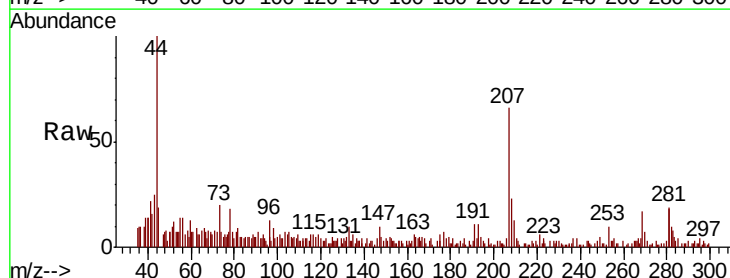
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 MSVOA_X
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 TP-3-S

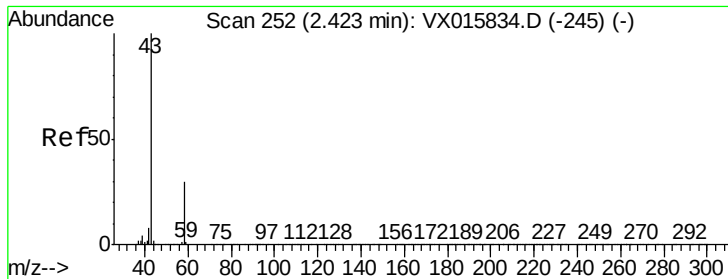
Tot Ion: 96 Resp: 1581
 Ion Ratio Lower Upper
 96 100
 61 15.1 135.0 202.6#
 98 31.8 50.6 76.0#



#13
 Acrolein
 Concen: 0.431 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX015918.D
 Acq: 24 Apr 2020 02:27

Tgt Ion: 56 Resp: 491
 Ion Ratio Lower Upper
 56 100
 55 101.8 56.1 84.1#

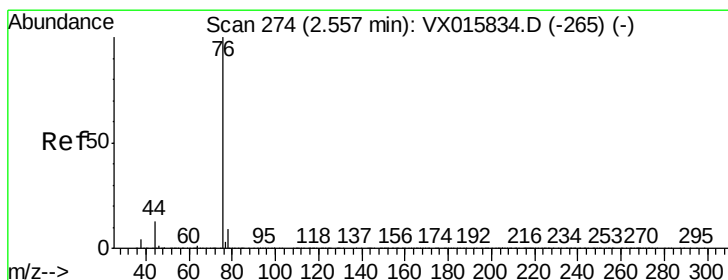
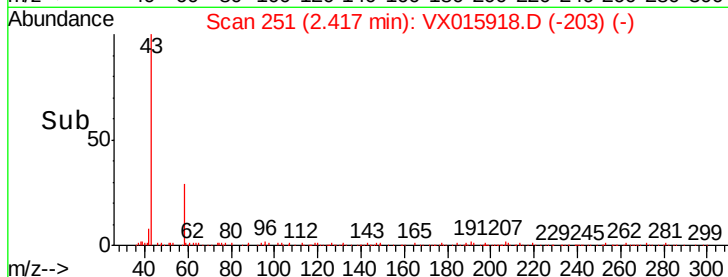
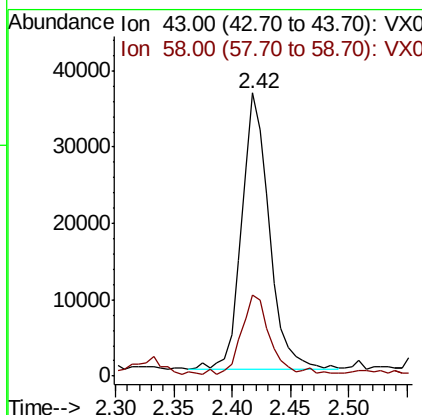
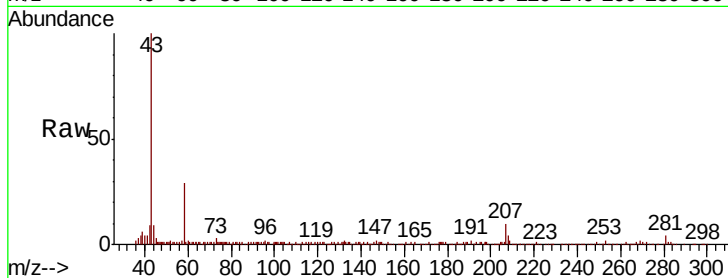




#16
Acetone
Concen: 14.489 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

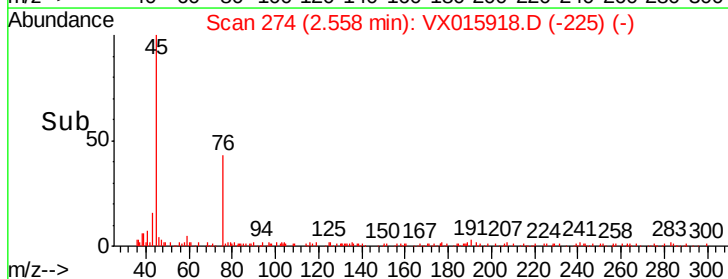
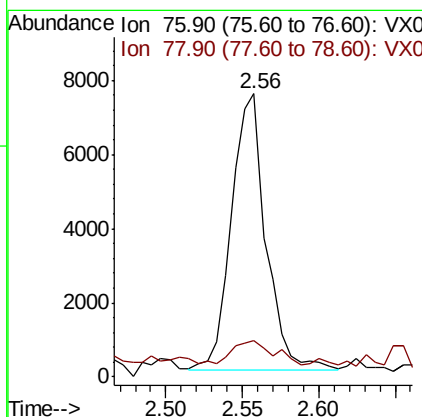
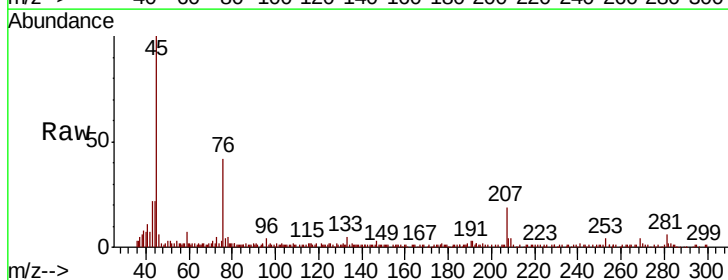
Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

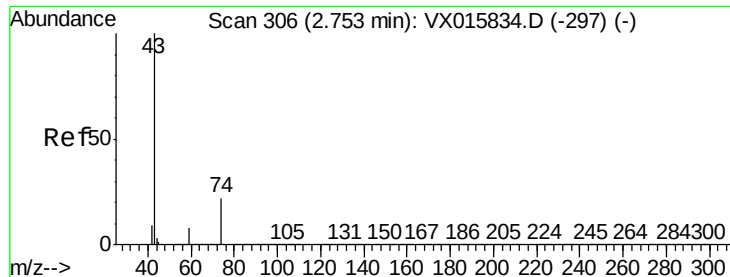
Tot Ion: 43 Resp: 59440
Ion Ratio Lower Upper
43 100
58 28.4 24.0 36.0



#17
Carbon Disulfide
Concen: 0.443 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

Tgt Ion: 76 Resp: 11683
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

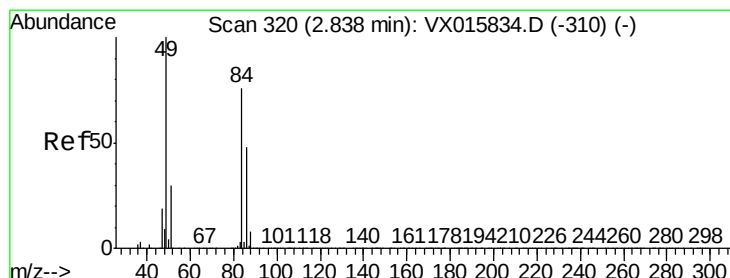
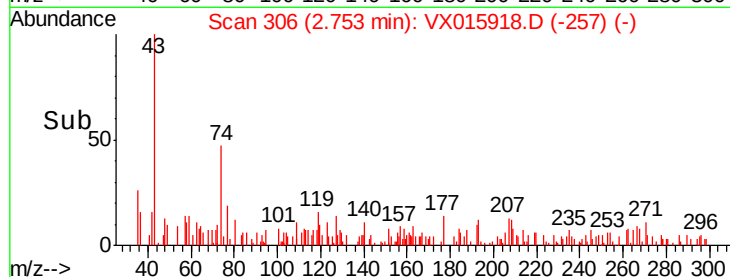
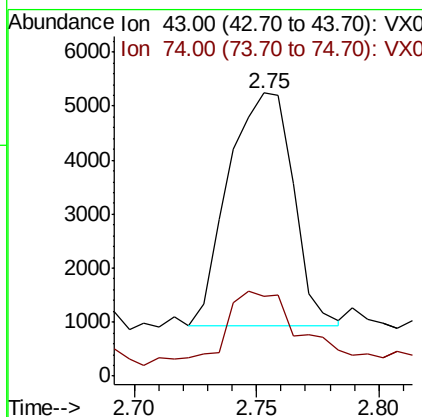
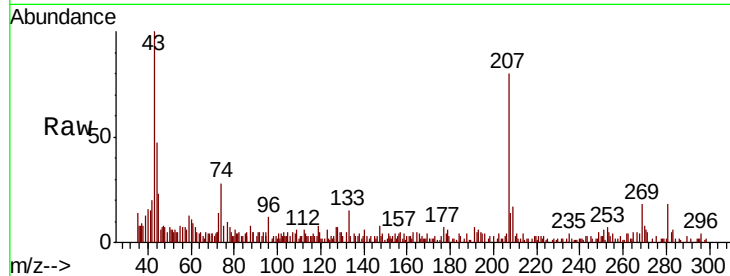




#18
Methyl Acetate
Concen: 0.587 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

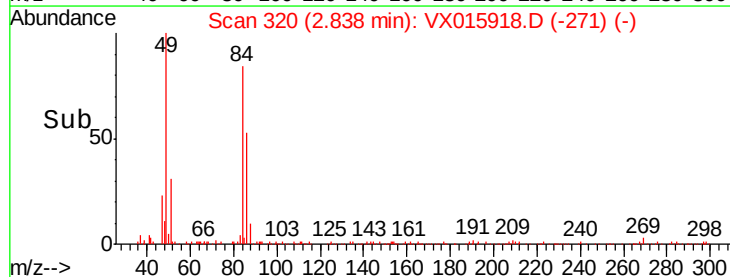
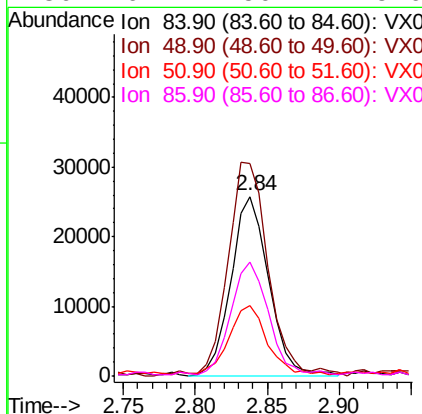
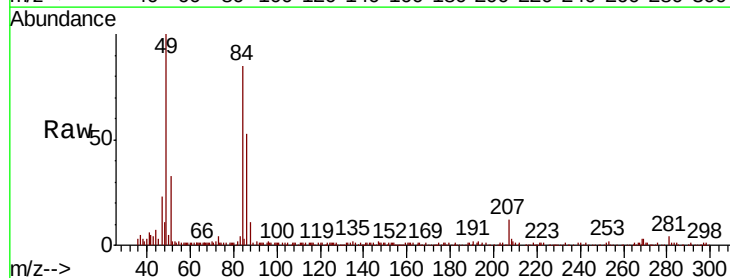
Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

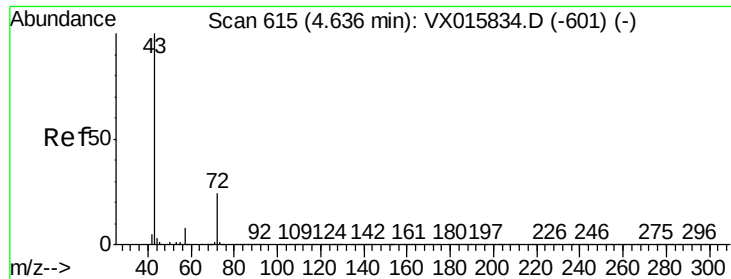
Tot Ion: 43 Resp: 7954
Ion Ratio Lower Upper
43 100
74 43.9 17.9 26.9#



#20
Methylene Chloride
Concen: 5.684 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

Tgt Ion: 84 Resp: 47342
Ion Ratio Lower Upper
84 100
49 116.8 104.9 157.3
51 37.8 32.0 48.0
86 62.1 50.4 75.6

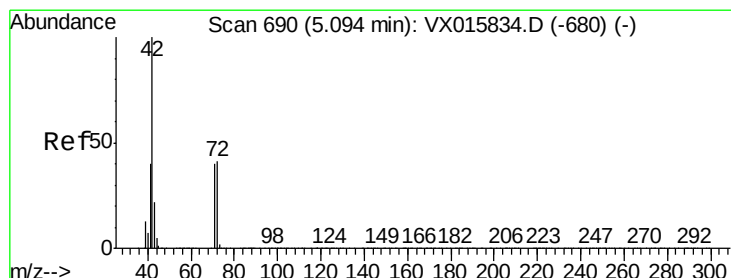
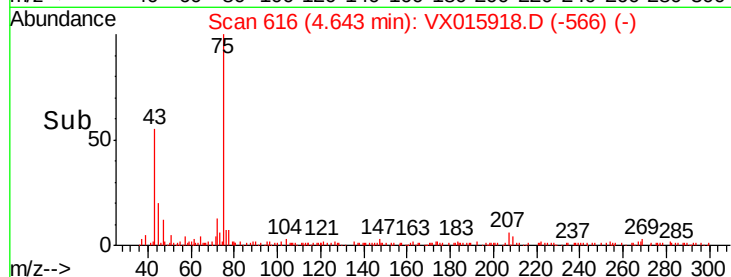
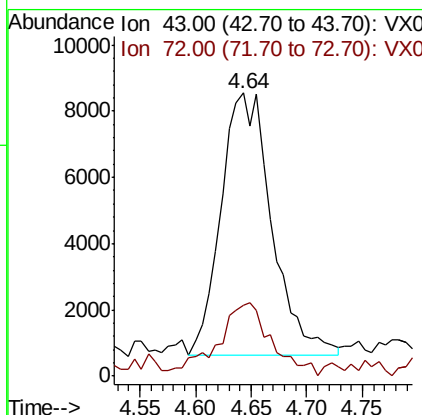
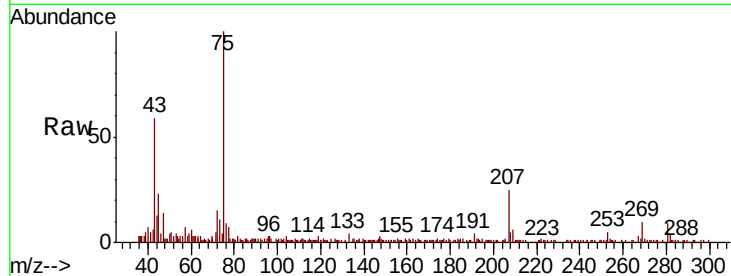




#25
2-Butanone
Concen: 3.867 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

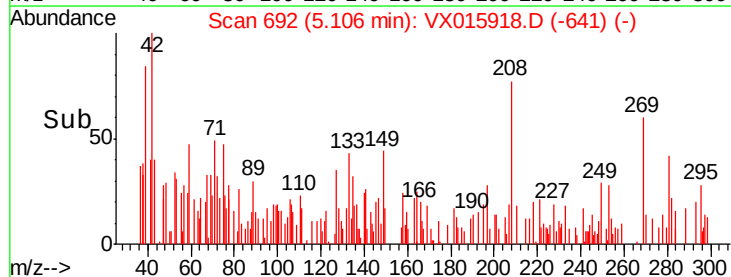
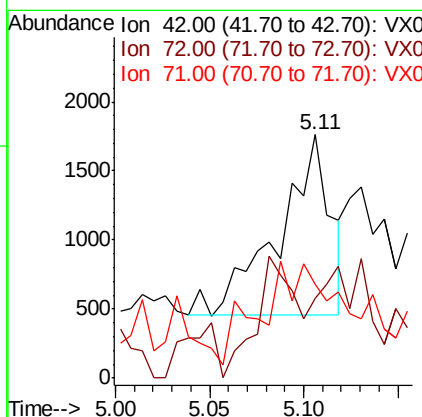
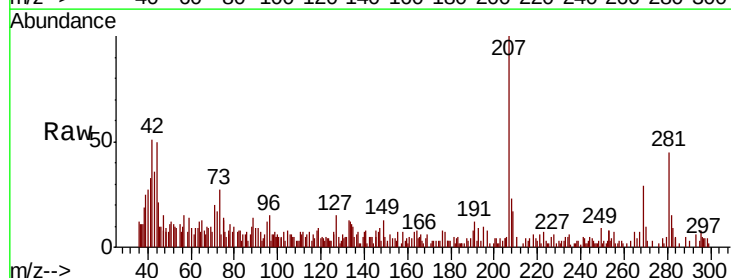
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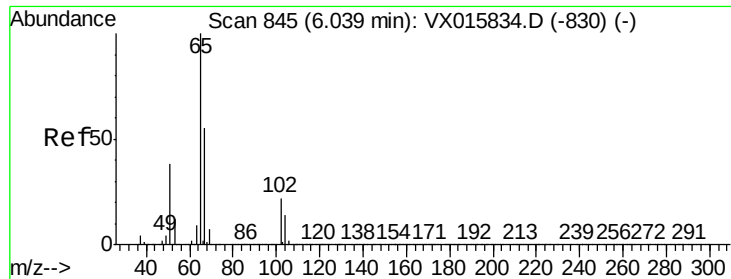
Tot Ion: 43 Resp: 25076
Ion Ratio Lower Upper
43 100
72 23.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.588 ug/l
RT: 5.11 min Scan# 692
Delta R.T. 0.01 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

Tgt Ion: 42 Resp: 2523
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.6#
71 0.0 30.6 45.8#

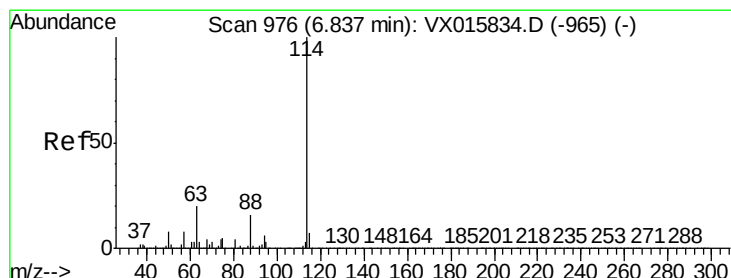
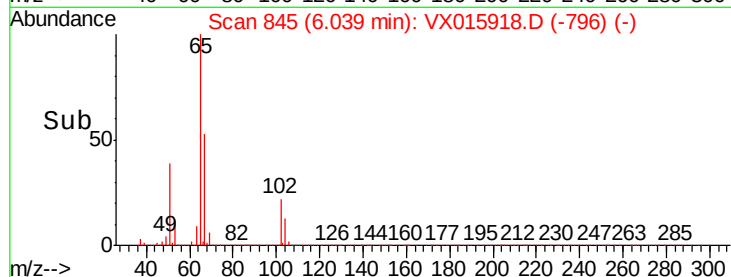
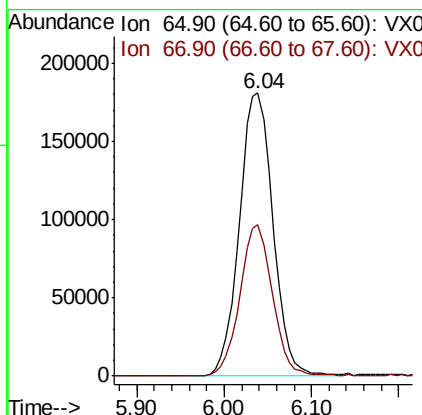
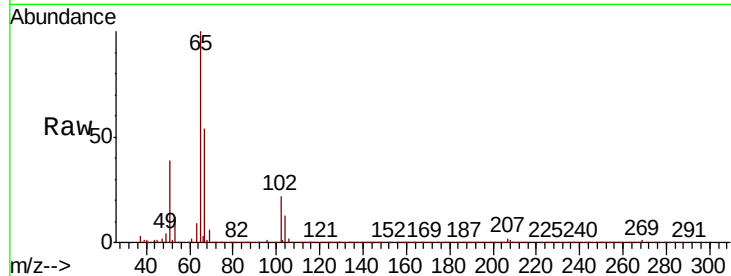




#33
 1,2-Dichloroethane-d4
 Concen: 51.122 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VX015918.D
 Acq: 24 Apr 2020 02:27

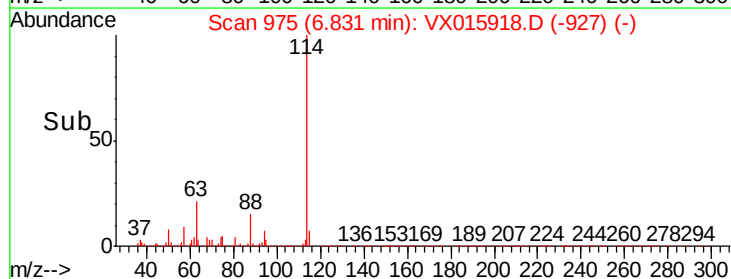
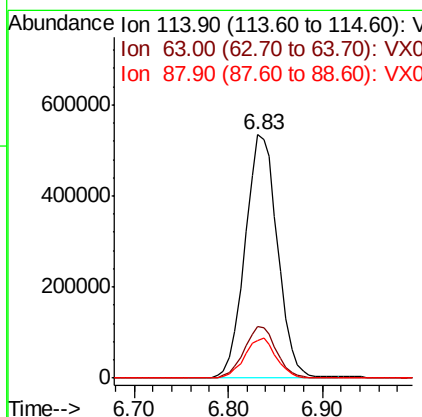
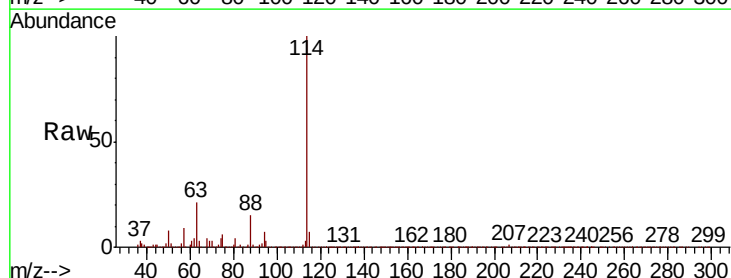
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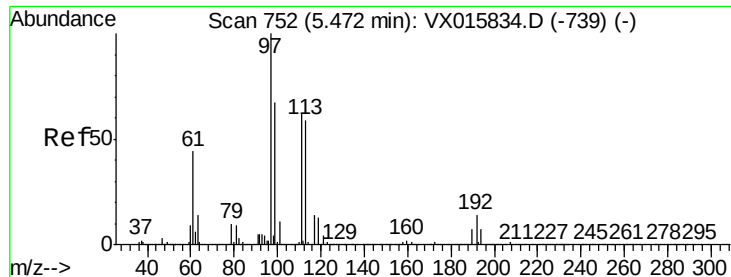
Tot Ion: 65 Resp: 481652
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015918.D
 Acq: 24 Apr 2020 02:27

Tgt Ion: 114 Resp: 1291340
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.6
 88 15.5 0.0 32.8

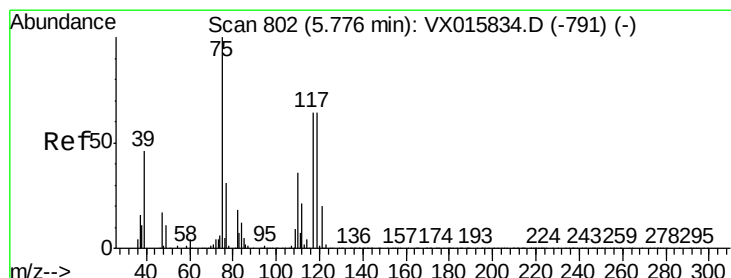
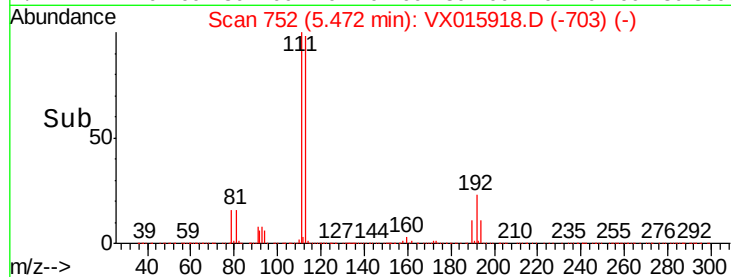
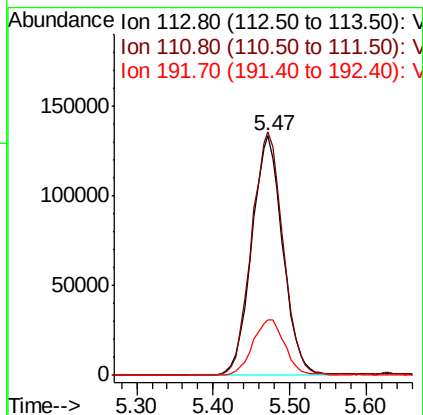
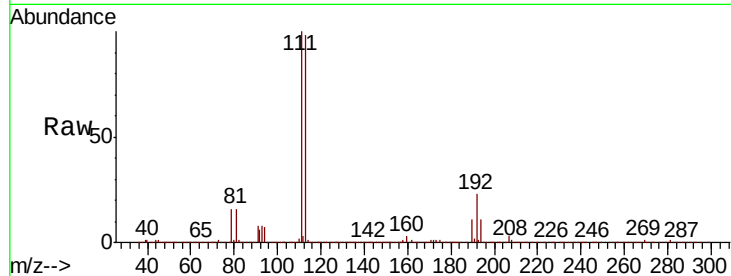




#35
Dibromofluoromethane
Concen: 50.453 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

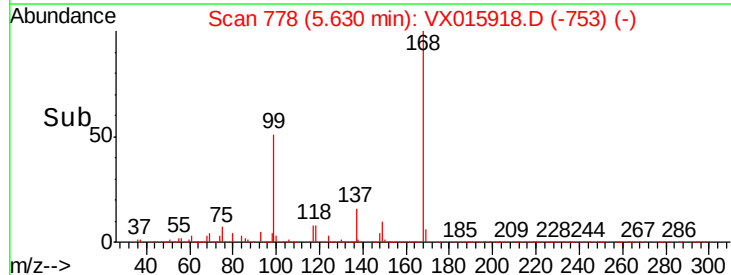
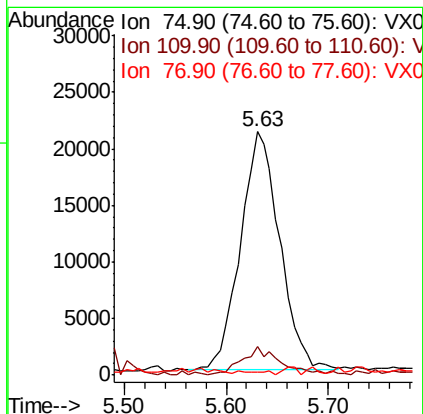
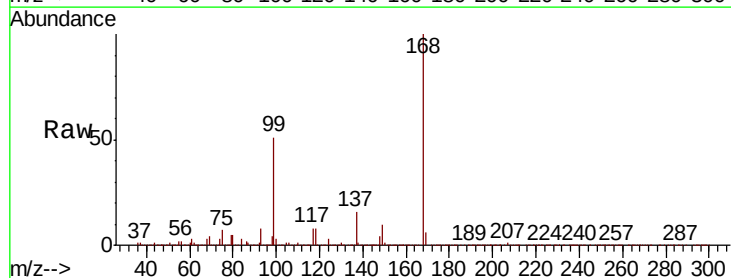
Instrument :
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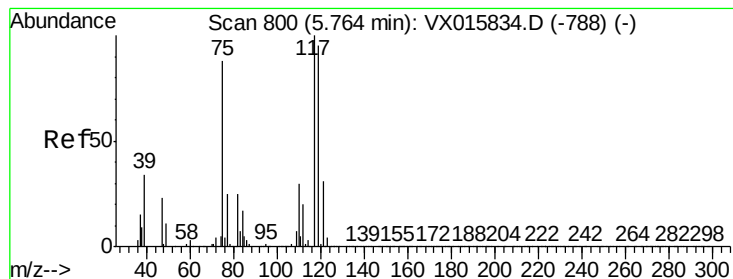
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	24.1	19.3	28.9



#36
1,1-Dichloropropene
Concen: 4.924 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.15 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.1	17.9	53.8#
77	0.6	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.520 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015918.D

Acq: 24 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

TP-3-S

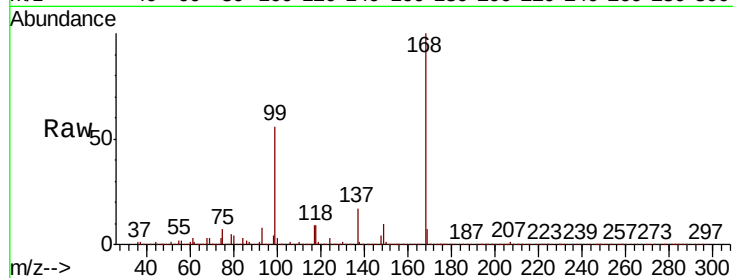
Tot Ion:117 Resp: 73527

Ion Ratio Lower Upper

117 100

119 5.0 75.7 113.5#

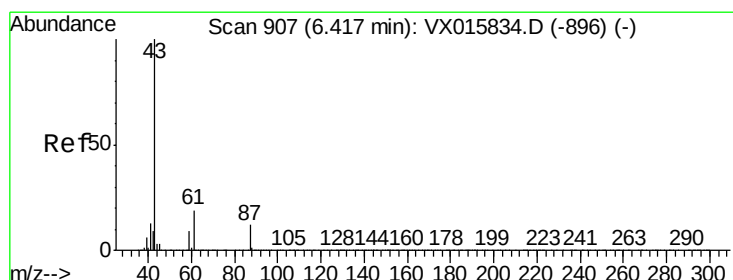
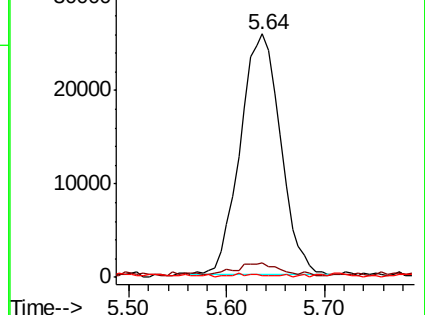
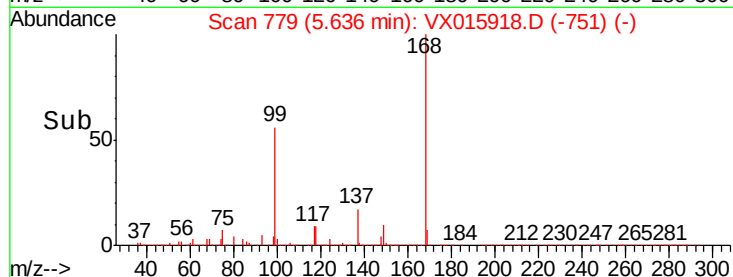
121 0.0 25.0 37.6#



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: 11.018 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015918.D

Acq: 24 Apr 2020 02:27

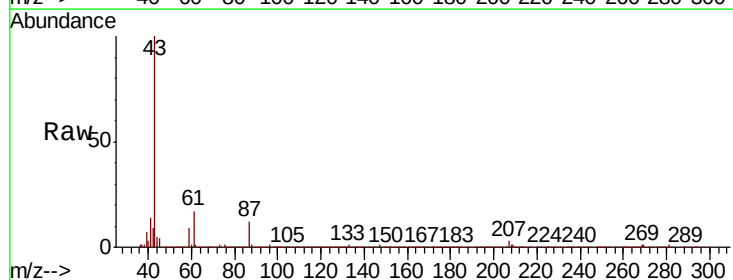
Tgt Ion: 43 Resp: 253226

Ion Ratio Lower Upper

43 100

61 19.9 15.4 23.2

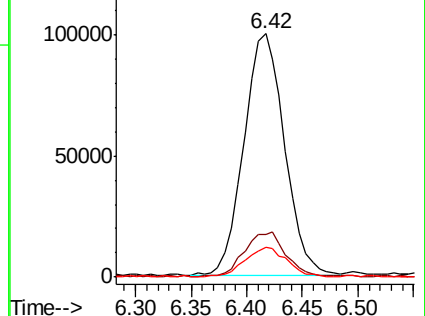
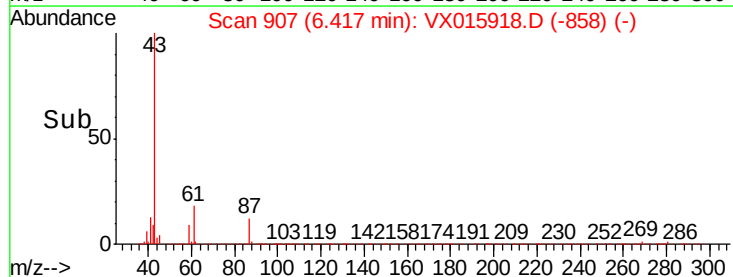
87 12.2 9.8 14.6

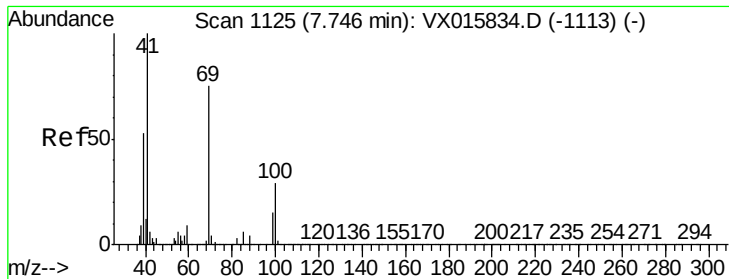


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

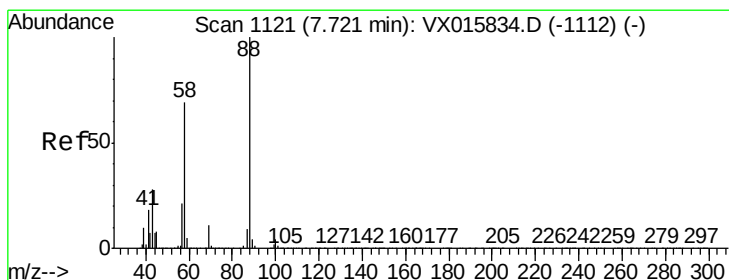
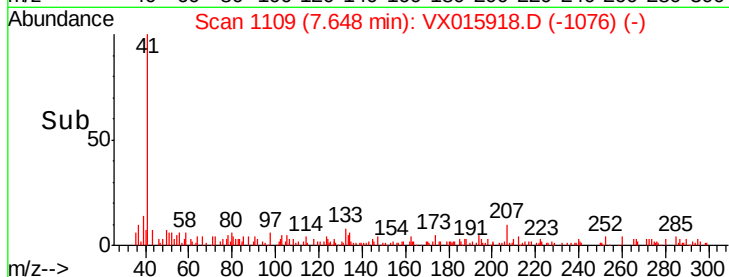
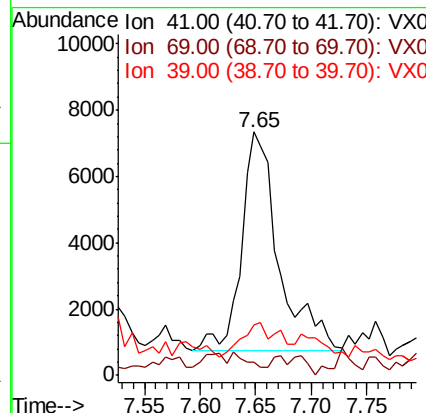
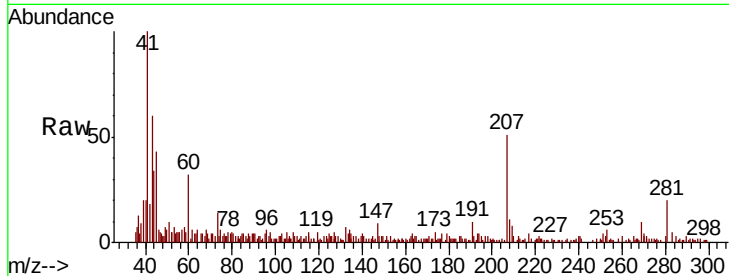




#48
Methvl methacrylate
Concen: 1.371 ug/l
RT: 7.65 min Scan# 1109
Delta R.T. -0.10 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

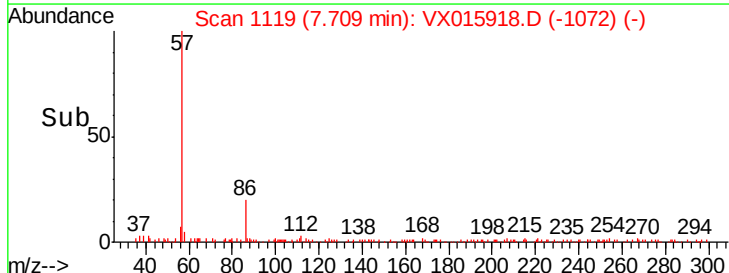
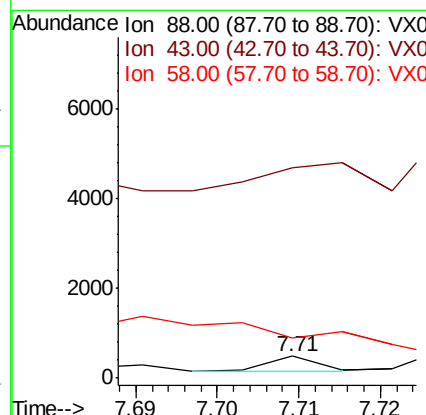
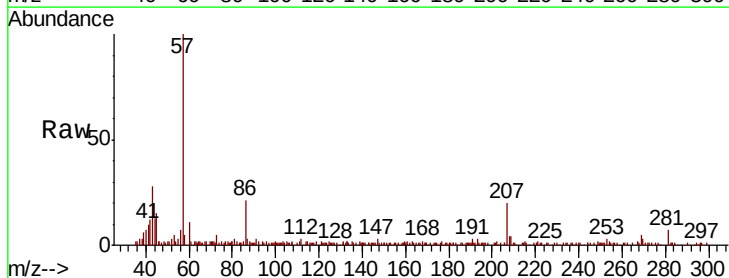
Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

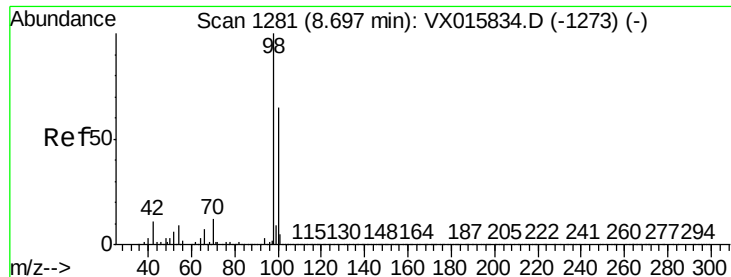
Tot Ion: 41 Resp: 15503
Ion Ratio Lower Upper
41 100
69 0.0 60.5 90.7#
39 0.0 42.1 63.1#



#49
1,4-Dioxane
Concen: 0.632 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 1623.0 58.9 88.3#





#50

Toluene-d8

Concen: 51.646 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015918.D

Acq: 24 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampled :

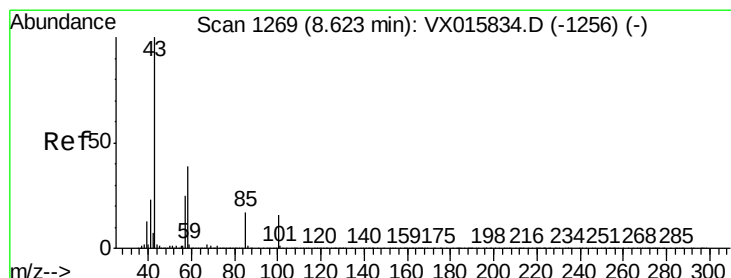
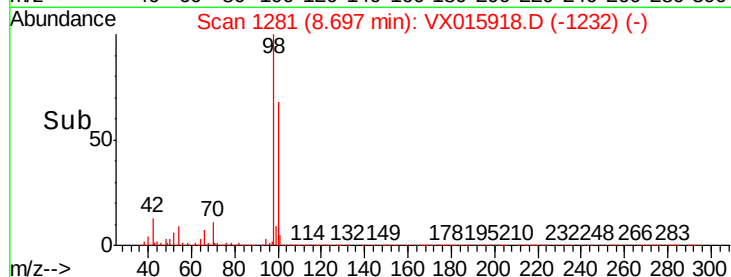
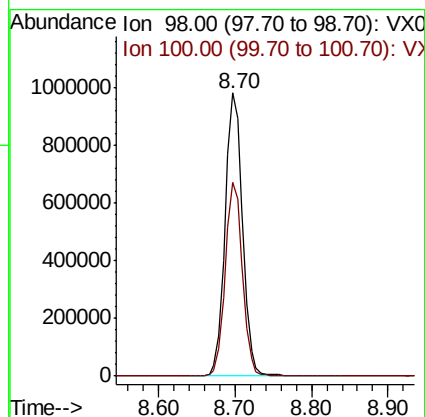
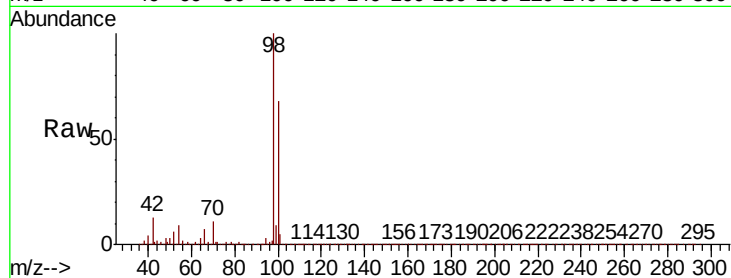
TP-3-S

Tot Ion: 98 Resp: 1549742

Ion Ratio Lower Upper

98 100

100 67.3 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 18.448 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VX015918.D

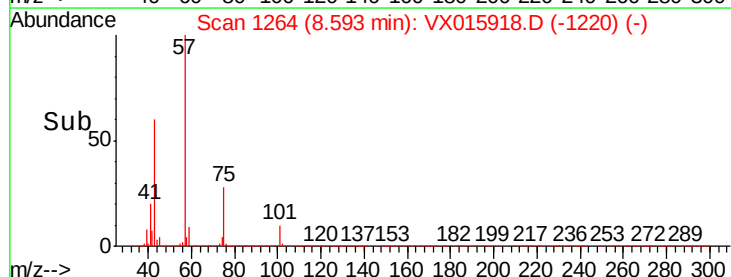
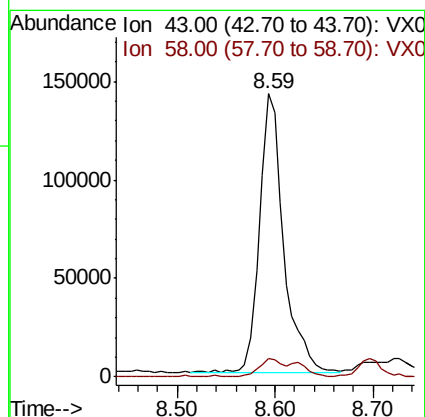
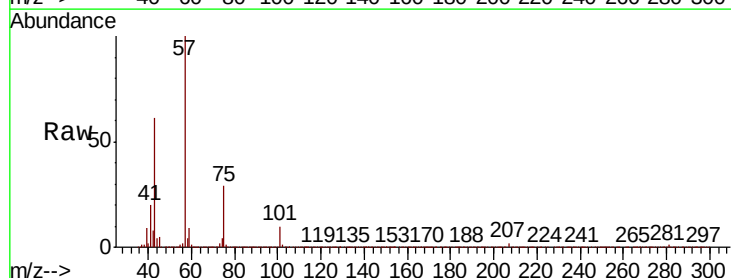
Acq: 24 Apr 2020 02:27

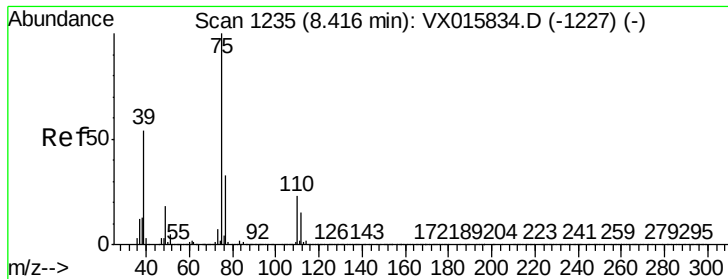
Tgt Ion: 43 Resp: 244723

Ion Ratio Lower Upper

43 100

58 6.2 30.6 45.8#



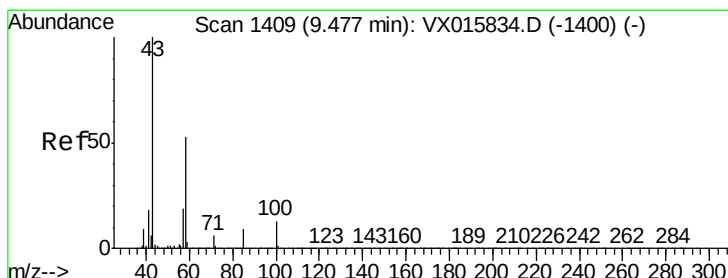
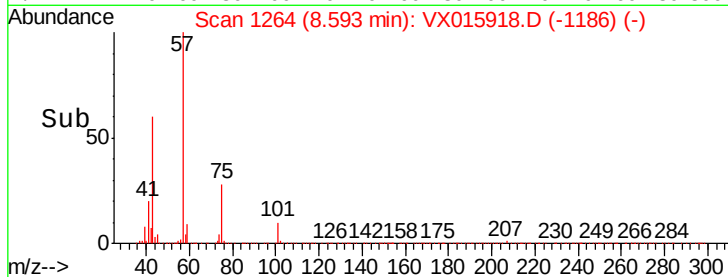
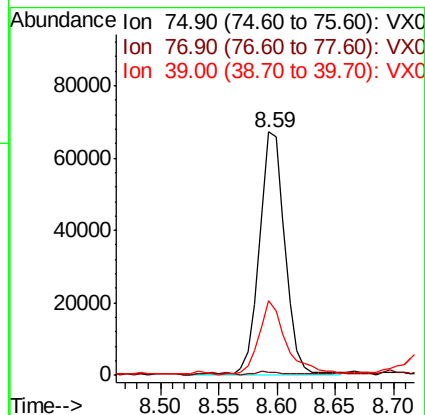
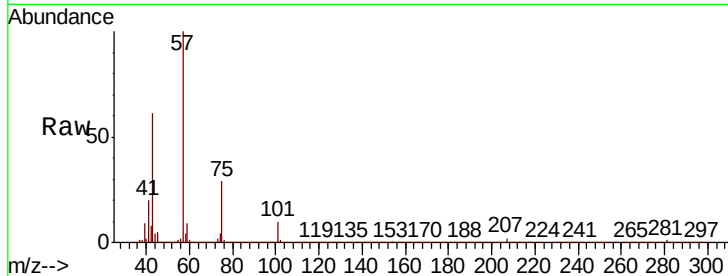


#54

cis-1,3-Dichloropropene
 Concen: 6.637 ug/l
 RT: 8.59 min Scan# 1264
 Delta R.T. 0.18 min
 Lab File: VX015918.D
 Acq: 24 Apr 2020 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-S

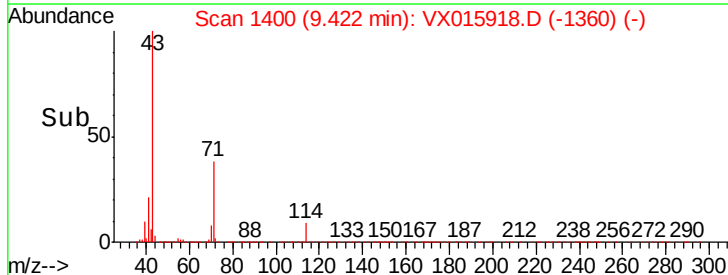
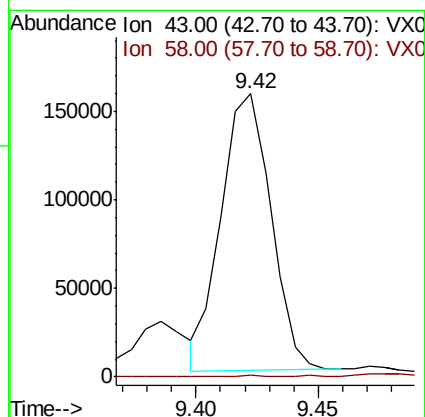
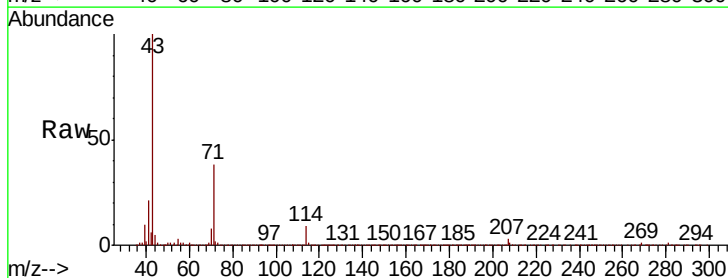
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.7	26.0	39.0#
39	30.1	42.8	64.2#

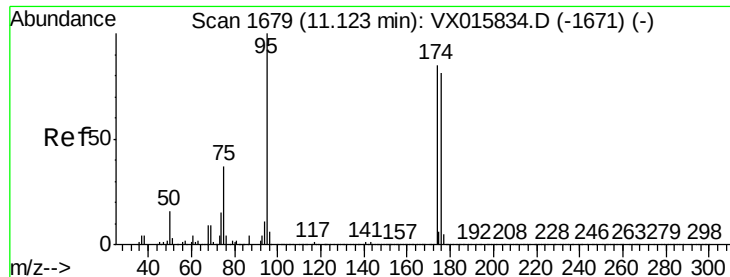


#59

2-Hexanone
 Concen: 21.957 ug/l
 RT: 9.42 min Scan# 1400
 Delta R.T. -0.05 min
 Lab File: VX015918.D
 Acq: 24 Apr 2020 02:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.5	79.4#





#62

4-Bromofluorobenzene

Concen: 53.642 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015918.D

Acq: 24 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

TP-3-S

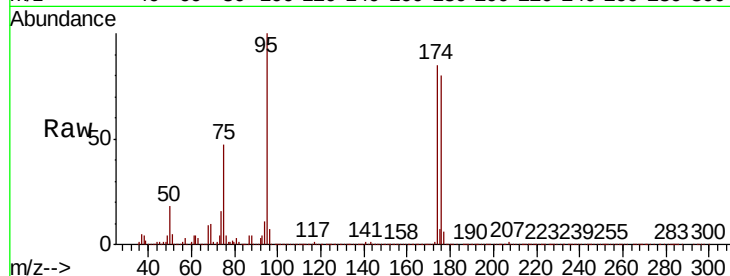
Tot Ion: 95 Resp: 660308

Ion Ratio Lower Upper

95 100

174 86.6 0.0 172.4

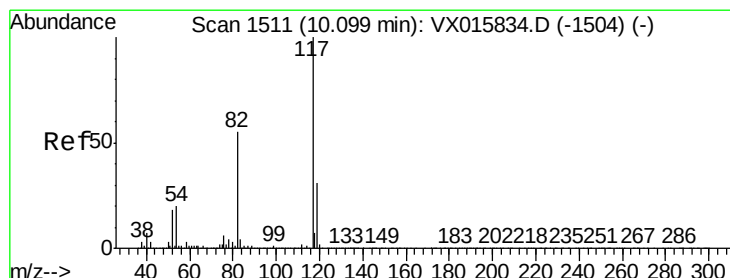
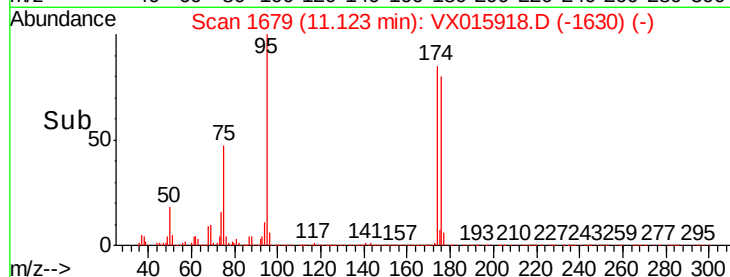
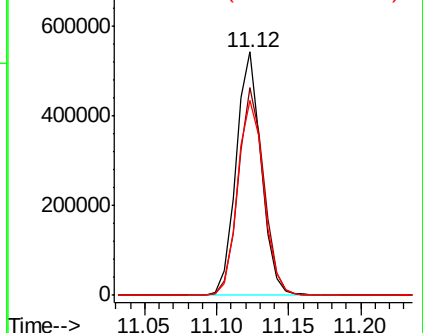
176 84.1 0.0 167.0



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: VX015918.D

Acq: 24 Apr 2020 02:27

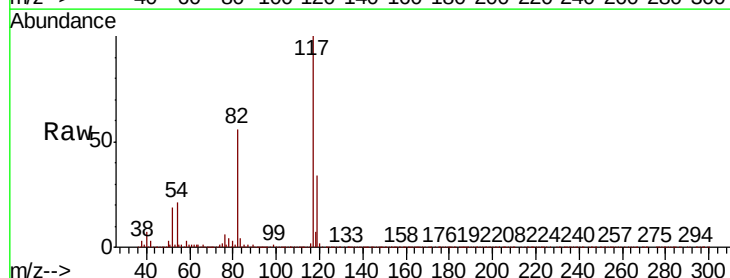
Tgt Ion: 117 Resp: 1250794

Ion Ratio Lower Upper

117 100

82 56.0 43.9 65.9

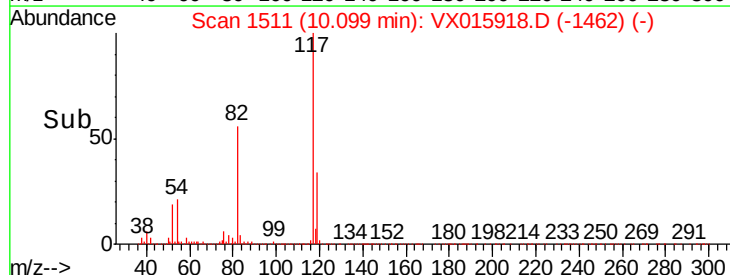
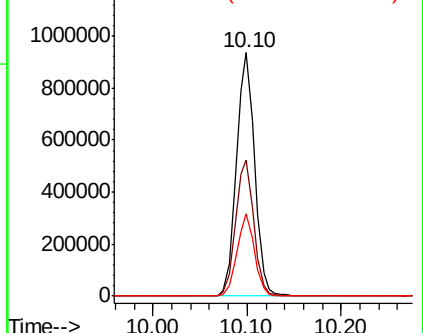
119 33.7 25.1 37.7

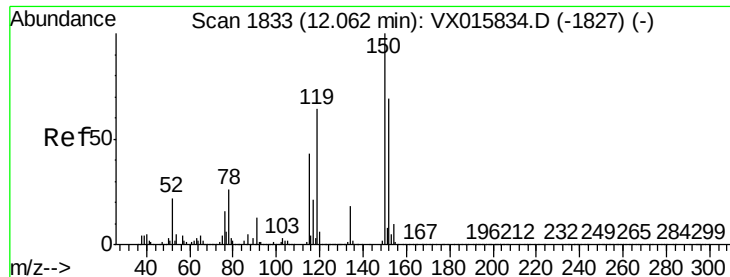


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



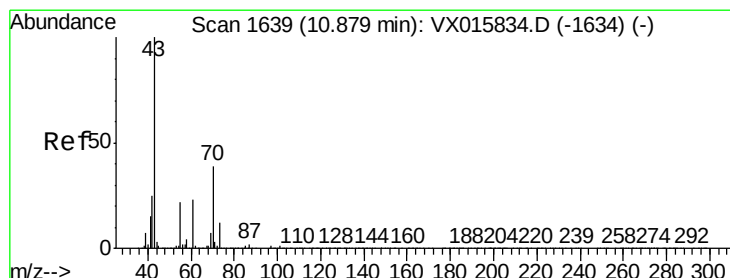
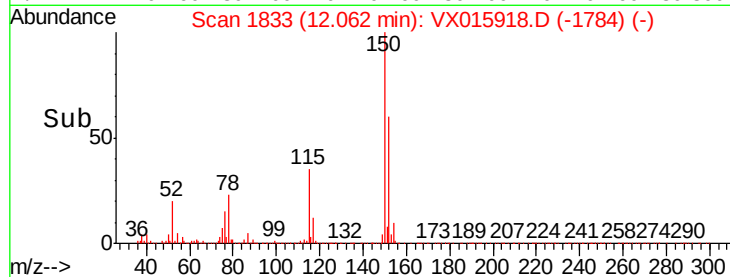
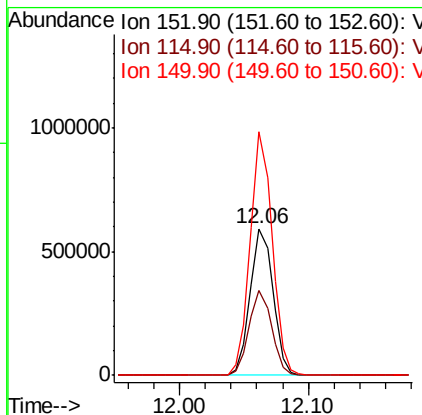
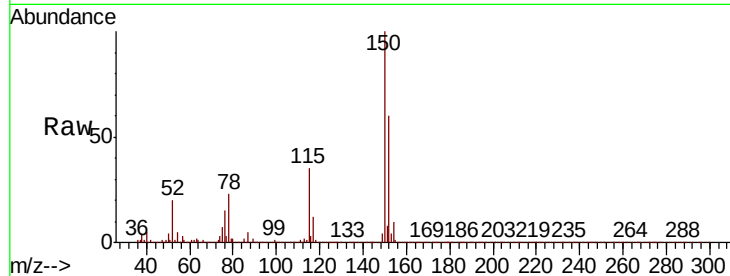


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

Instrument :
MSVOA_X
ClientSampled :
TP-3-S

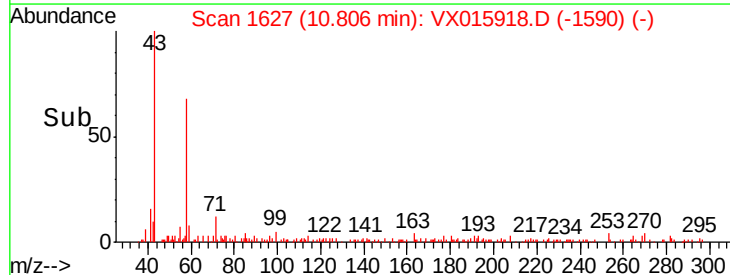
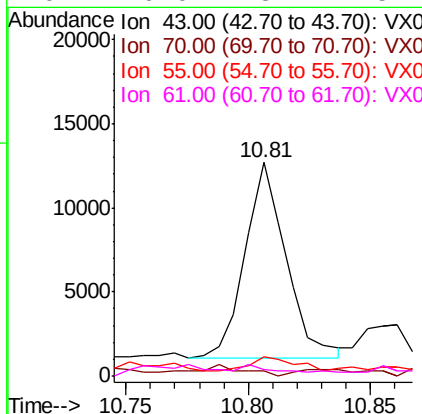
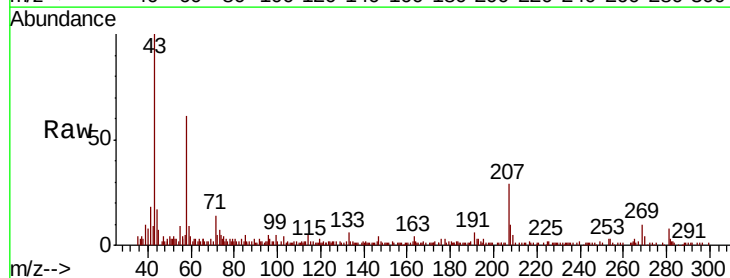
Tot Ion:152 Resp: 723971
Ion Ratio Lower Upper
152 100
115 56.8 39.0 116.9
150 159.0 0.0 336.8

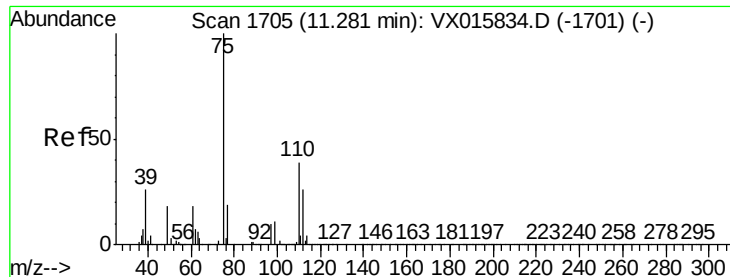


#74

N-amil acetate
Concen: 0.575 ug/l
RT: 10.81 min Scan# 1627
Delta R.T. -0.07 min
Lab File: VX015918.D
Acq: 24 Apr 2020 02:27

Tgt Ion: 43 Resp: 13653
Ion Ratio Lower Upper
43 100
70 5.9 32.6 49.0#
55 8.4 18.3 27.5#
61 0.0 18.7 28.1#





#76

1,2,3-Trichloropropane

Concen: 23.752 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015918.D

Acq: 24 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

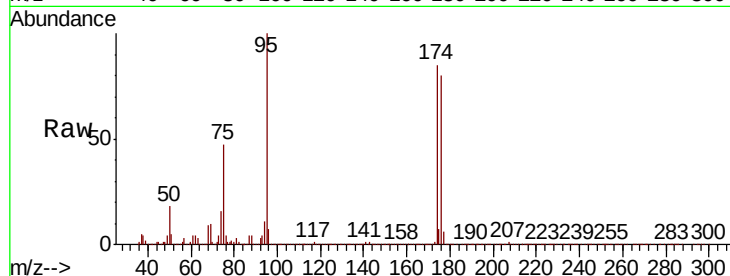
TP-3-S

Tot Ion: 75 Resp: 326990

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

250000

200000

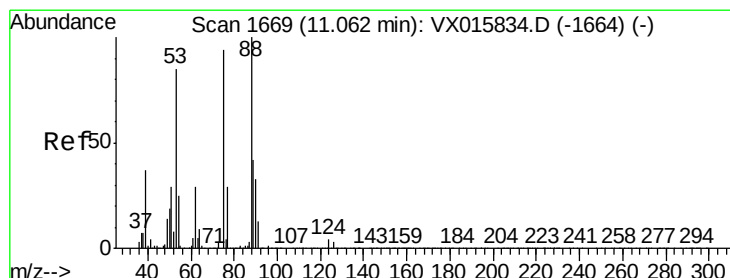
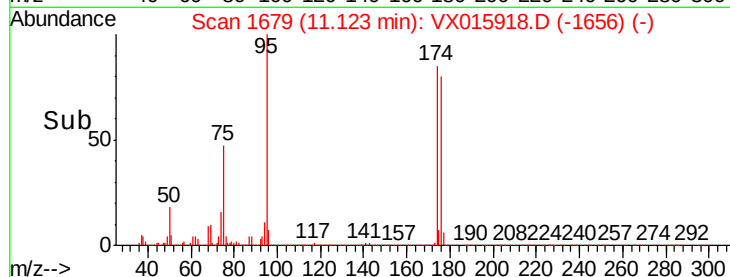
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.136 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015918.D

Acq: 24 Apr 2020 02:27

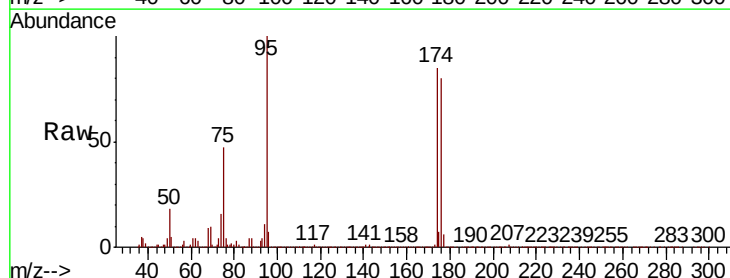
Tgt Ion: 75 Resp: 326990

Ion Ratio Lower Upper

75 100

53 0.1 74.2 111.2#

89 0.5 38.0 57.0#



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

11.12

300000

200000

100000

0

Time-->

