

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042120\
 Data File : VX015805.D
 Acq On : 21 Apr 2020 19:17
 Operator : JC/SP
 Sample : L2323-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-19-COMP

Quant Time: Apr 22 04:21:38 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	1021567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1539266	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1473504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	848010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	564932	39.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.42%	
35) Dibromofluoromethane	5.47	113	447953	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
50) Toluene-d8	8.70	98	1881989	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.12	95	786062	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds

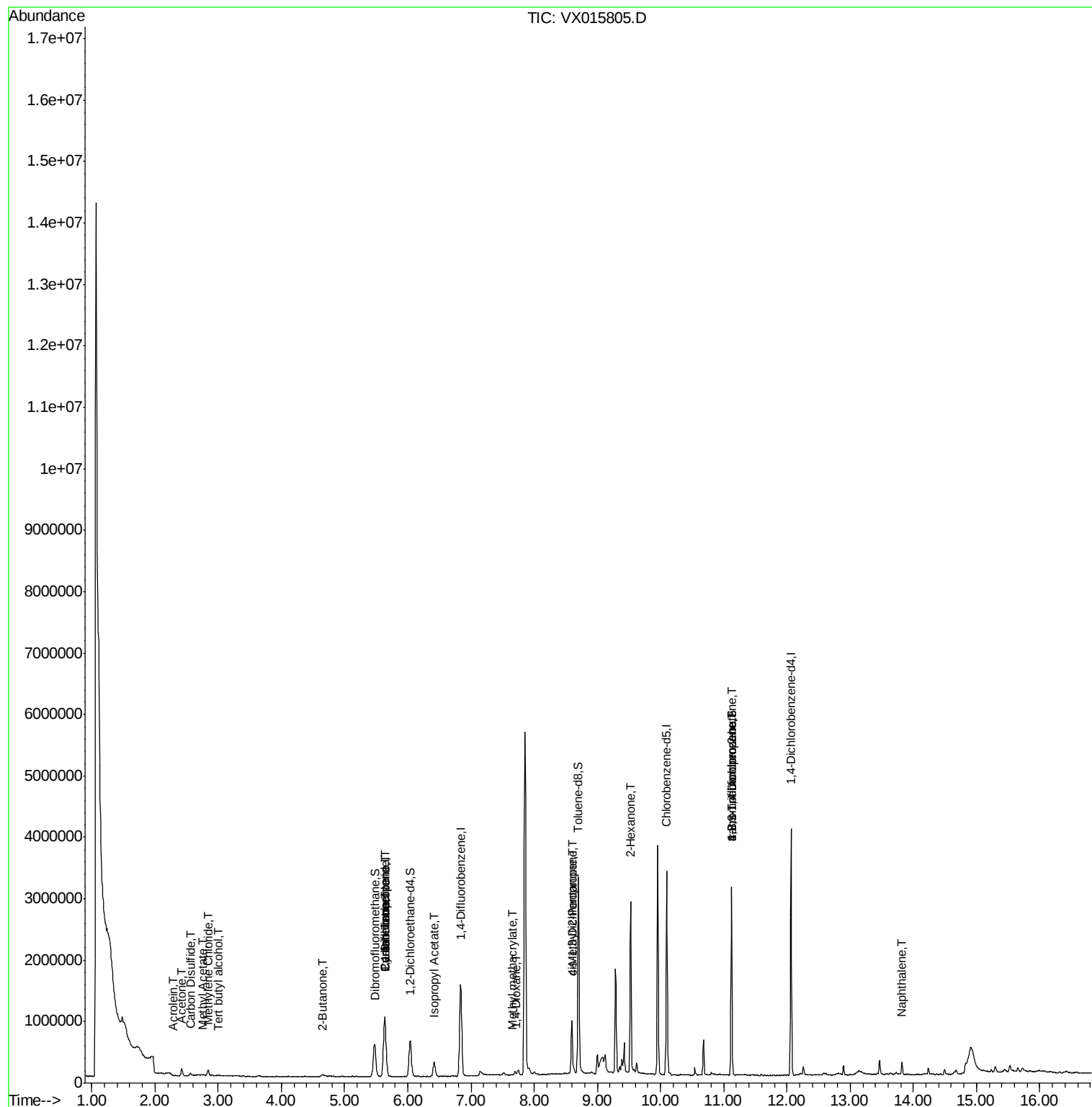
					Qvalue	
5) Bromomethane	1.64	94	312	Below Cal	#	3
11) Tert butyl alcohol	3.01	59	5492	1.593	ug/l	95
13) Acrolein	2.28	56	1098	0.559	ug/l	89
16) Acetone	2.42	43	155525	25.125	ug/l	98
17) Carbon Disulfide	2.56	76	45815	1.557	ug/l #	88
18) Methyl Acetate	2.75	43	18958	1.200	ug/l #	91
20) Methylene Chloride	2.84	84	41844	3.619	ug/l	93
25) 2-Butanone	4.64	43	23997	2.411	ug/l	94
31) Cyclohexane	5.64	56	19157	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	66685	4.702	ug/l #	43
38) Carbon Tetrachloride	5.64	117	89277	5.812	ug/l #	14
43) Isopropyl Acetate	6.42	43	334728	10.737	ug/l	98
48) Methyl methacrylate	7.65	41	17473	1.122	ug/l #	18
49) 1,4-Dioxane	7.72	88	4906	16.889	ug/l #	49
51) 4-Methyl-2-Pentanone	8.59	43	368508	20.859	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	138549	7.300	ug/l #	50
59) 2-Hexanone	9.53	43	331737	24.871	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	383781	22.007	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	383781	52.806	ug/l #	10
95) Naphthalene	13.82	128	128274	2.047	ug/l	99

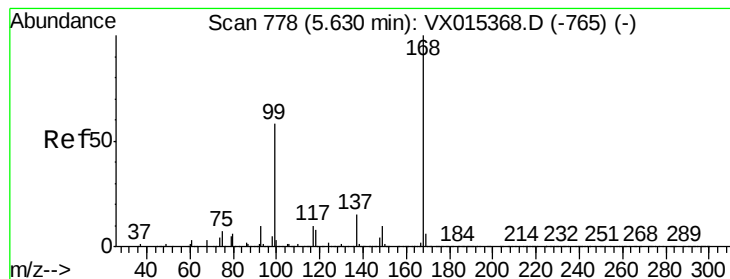
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 22 04:21:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: VX015805.D

Acq: 21 Apr 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

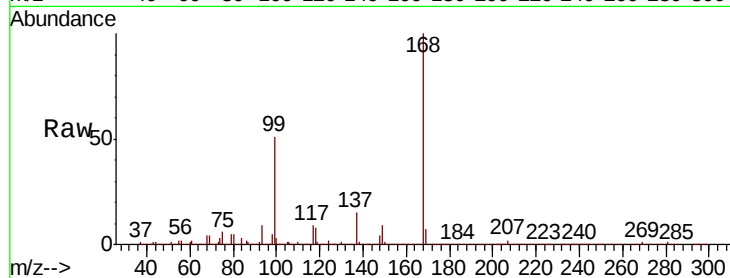
TP-19-COMP

Tot Ion:168 Resp: 1021567

Ion Ratio Lower Upper

168 100

99 51.2 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

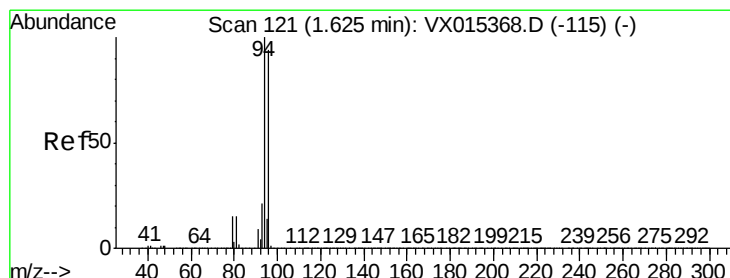
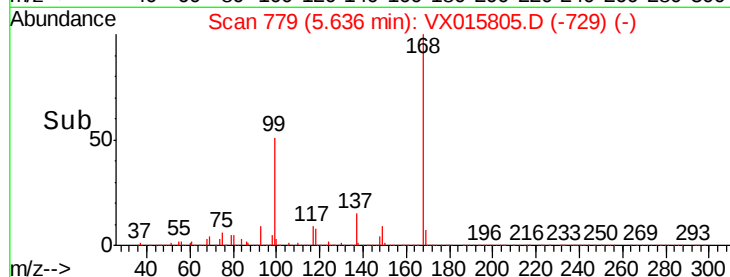
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015805.D

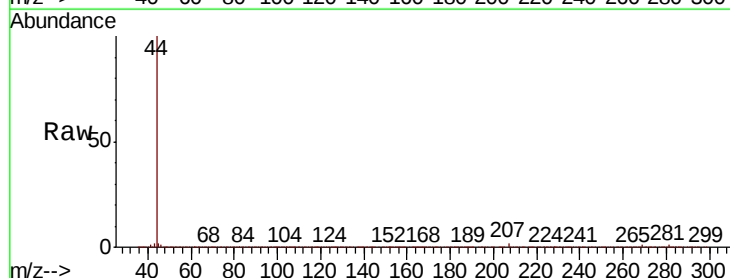
Acq: 21 Apr 2020 19:17

Tgt Ion: 94 Resp: 312

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

1500

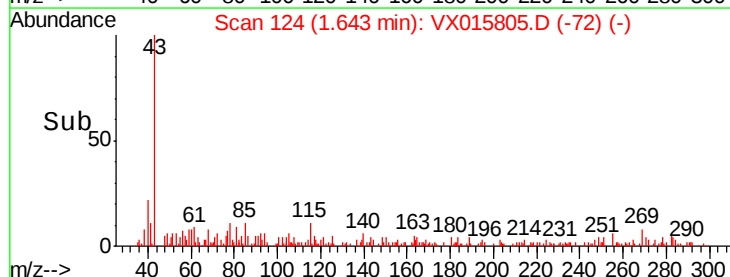
1000

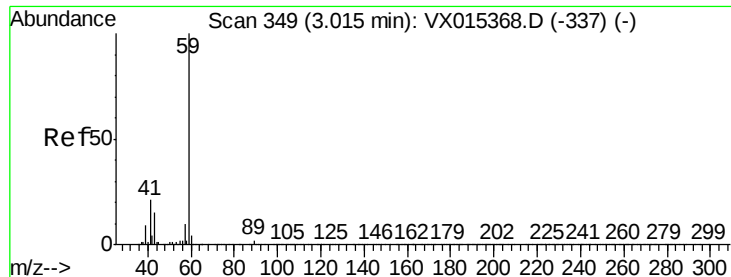
500

0

1.63 1.64 1.65

Time-->

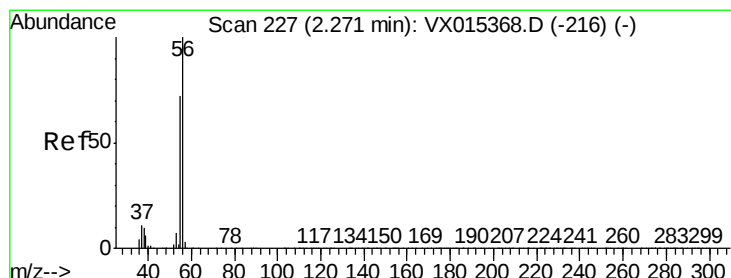
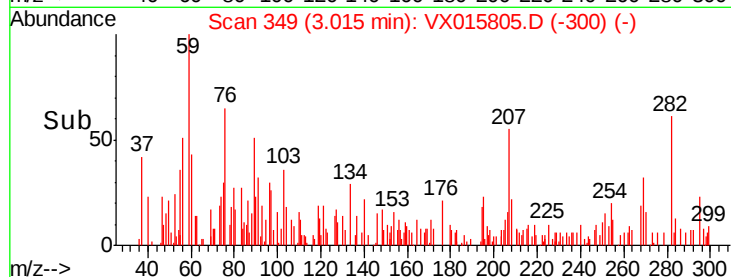
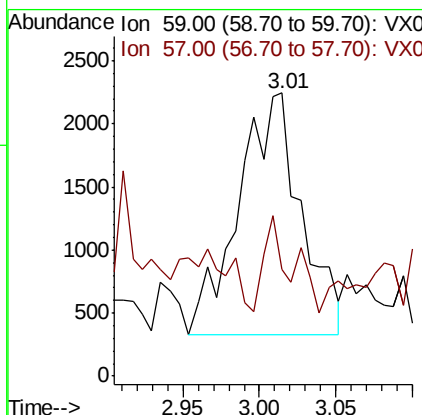
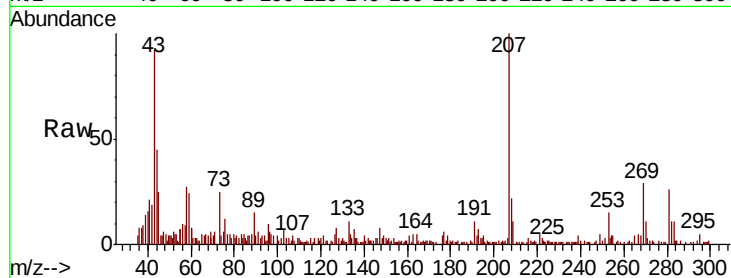




#11
Tert butyl alcohol
Concen: 1.593 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.00 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

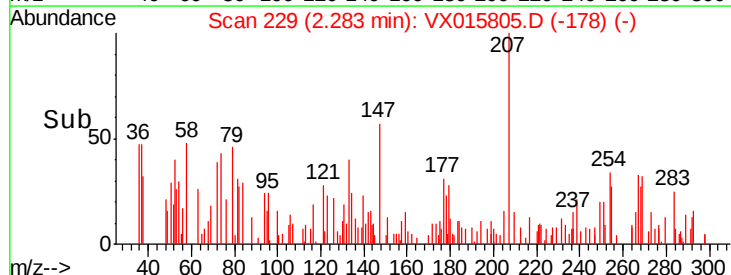
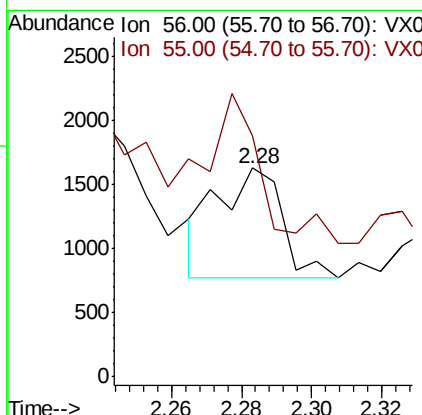
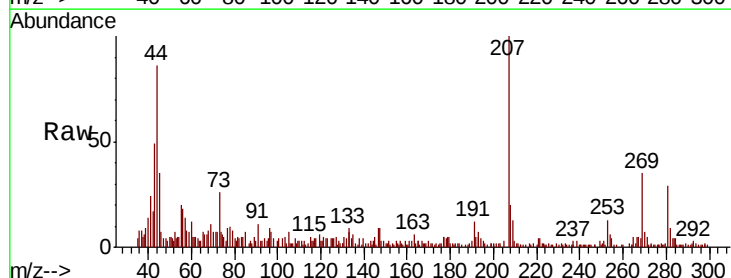
Instrument :
MSVOA_X
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TP-19-COMP

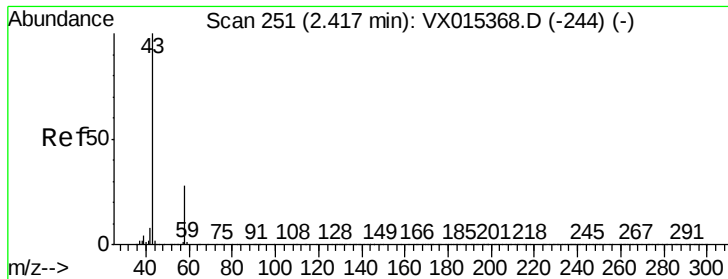
Tot Ion: 59 Resp: 5492
Ion Ratio Lower Upper
59 100
57 12.0 8.1 12.1



#13
Acrolein
Concen: 0.559 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

Tgt Ion: 56 Resp: 1098
Ion Ratio Lower Upper
56 100
55 80.5 57.0 85.4





#16

Acetone

Concen: 25.125 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015805.D

Acq: 21 Apr 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

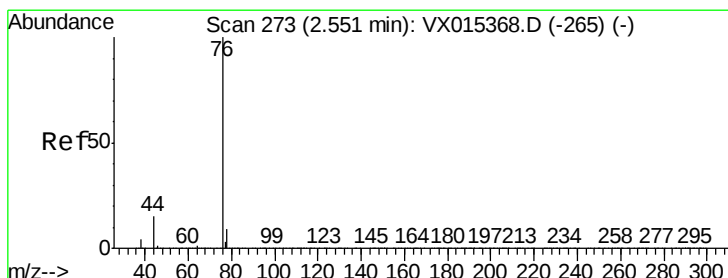
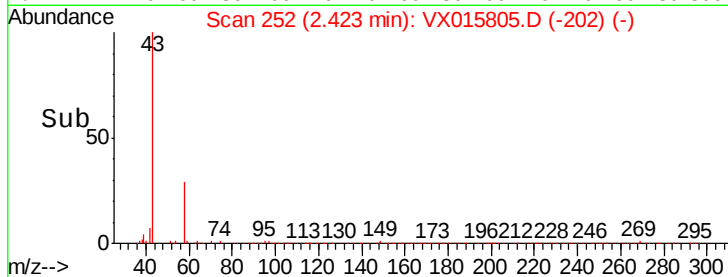
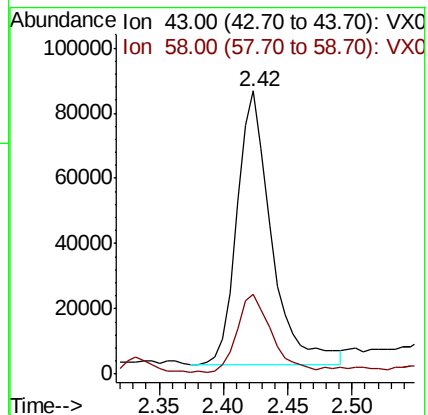
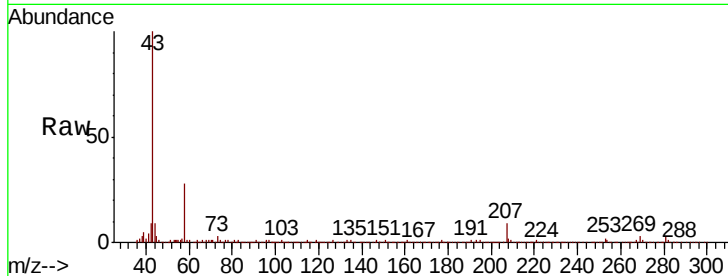
TP-19-COMP

Tot Ion: 43 Resp: 155525

Ion Ratio Lower Upper

43 100

58 28.5 22.1 33.1



#17

Carbon Disulfide

Concen: 1.557 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015805.D

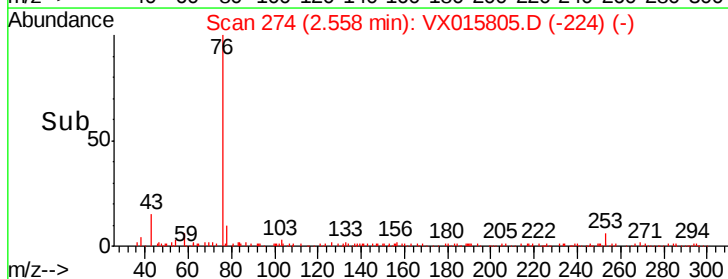
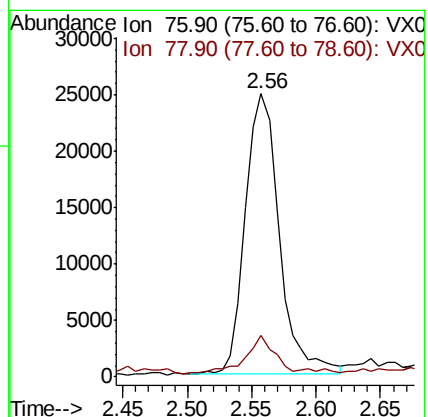
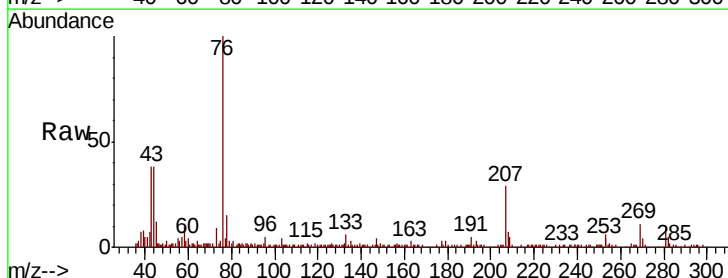
Acq: 21 Apr 2020 19:17

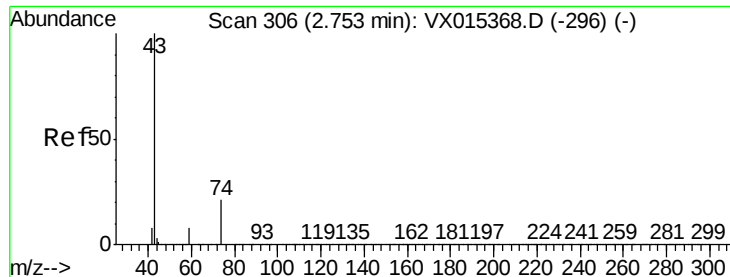
Tgt Ion: 76 Resp: 45815

Ion Ratio Lower Upper

76 100

78 13.1 7.1 10.7#

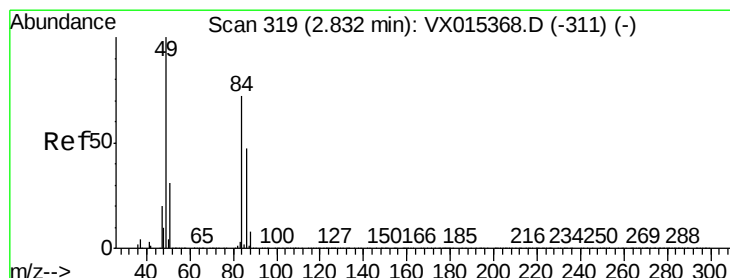
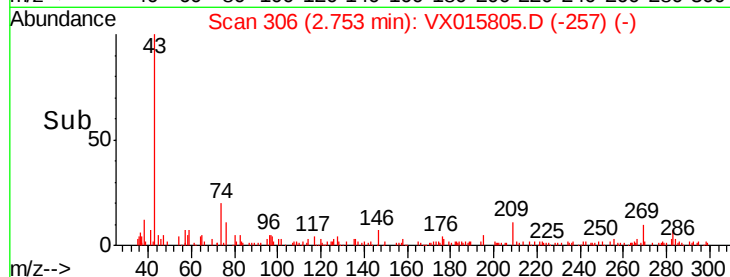
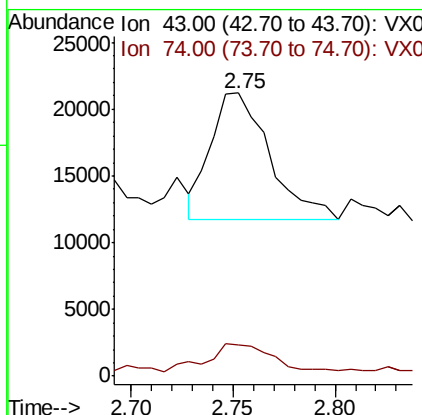
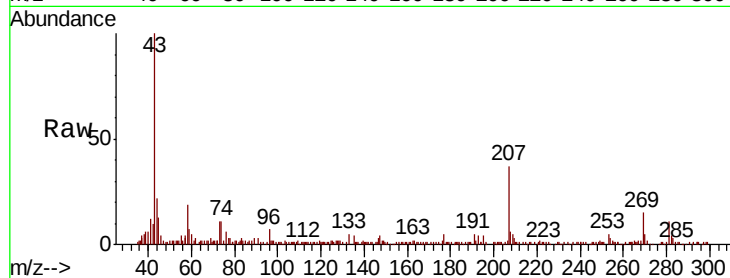




#18
Methyl Acetate
Concen: 1.200 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

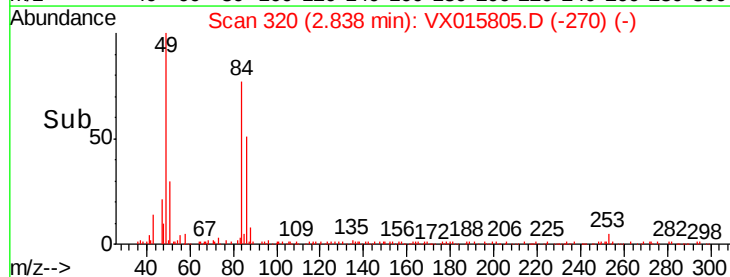
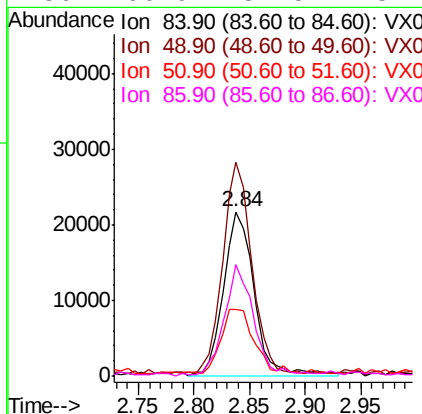
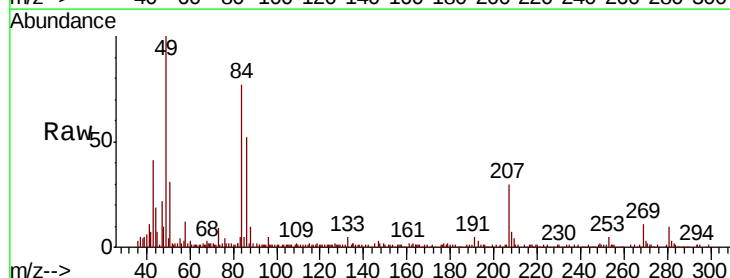
Instrument :
MSVOA_X
ClientSampleId :
TP-19-COMP

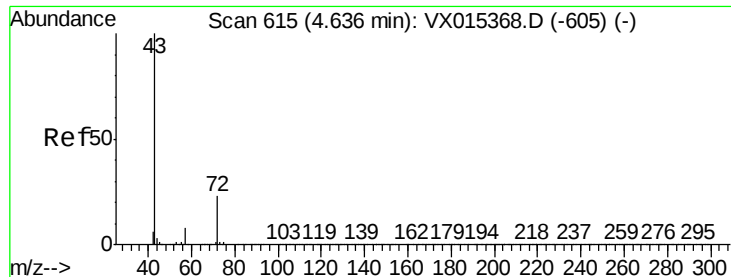
Tot Ion: 43 Resp: 18958
Ion Ratio Lower Upper
43 100
74 24.8 16.5 24.7#



#20
Methylene Chloride
Concen: 3.619 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

Tgt Ion: 84 Resp: 41844
Ion Ratio Lower Upper
84 100
49 128.4 111.3 166.9
51 38.1 34.0 51.0
86 66.9 52.5 78.7





#25

2-Butanone

Concen: 2.411 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015805.D

Acq: 21 Apr 2020 19:17

Instrument :

MSVOA_X

ClientSampled :

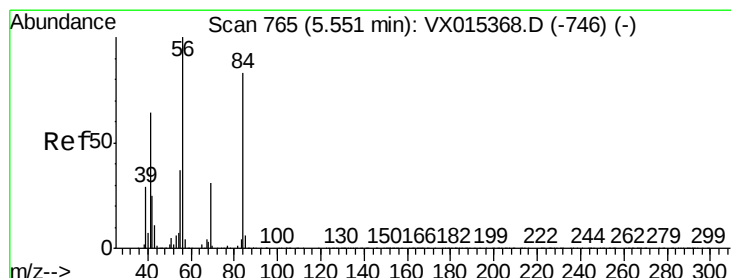
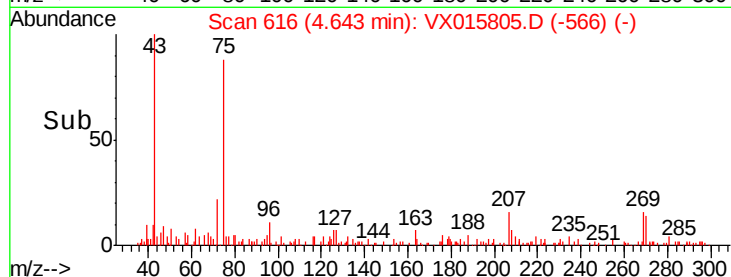
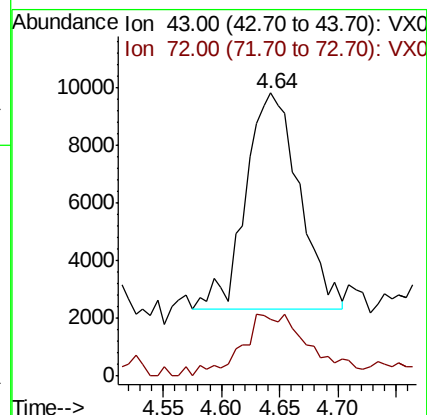
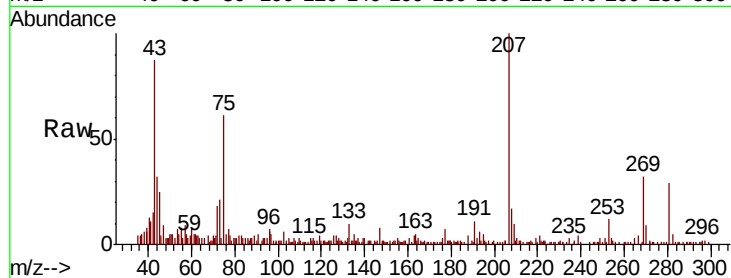
TP-19-COMP

Tot Ion: 43 Resp: 23997

Ion Ratio Lower Upper

43 100

72 26.5 19.0 28.4



#31

Cyclohexane

Concen: 1.050 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.09 min

Lab File: VX015805.D

Acq: 21 Apr 2020 19:17

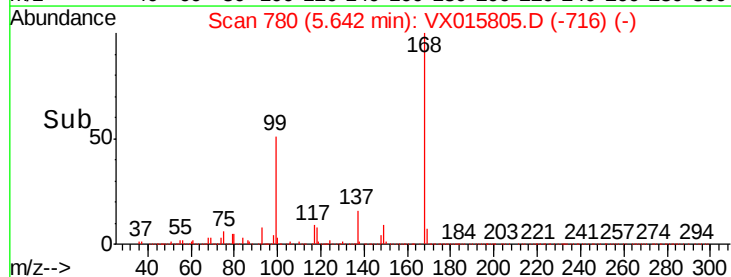
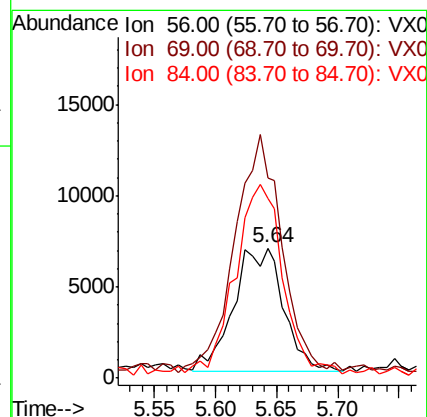
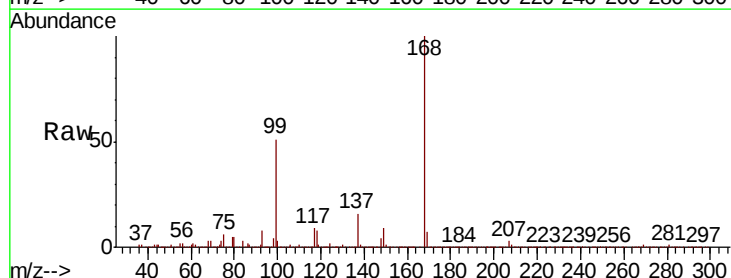
Tgt Ion: 56 Resp: 19157

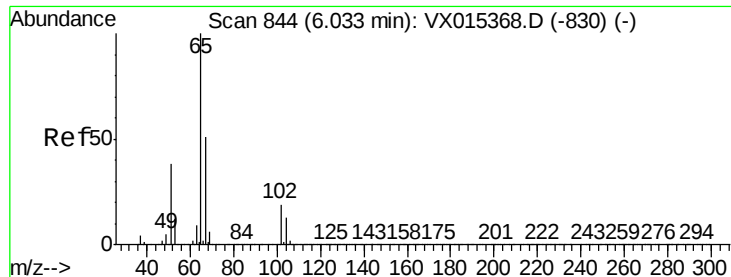
Ion Ratio Lower Upper

56 100

69 153.9 24.6 36.8#

84 142.3 66.1 99.1#

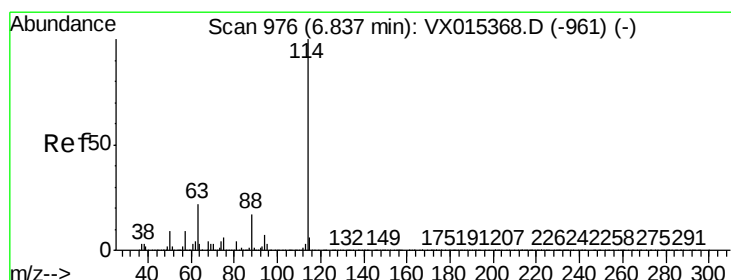
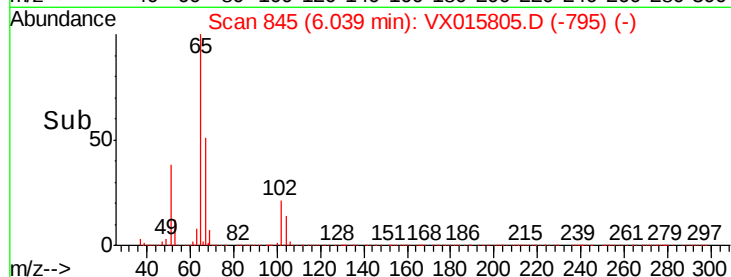
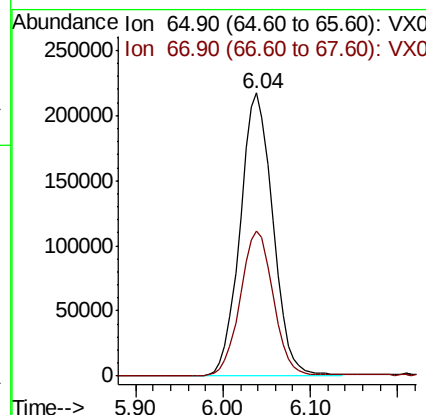
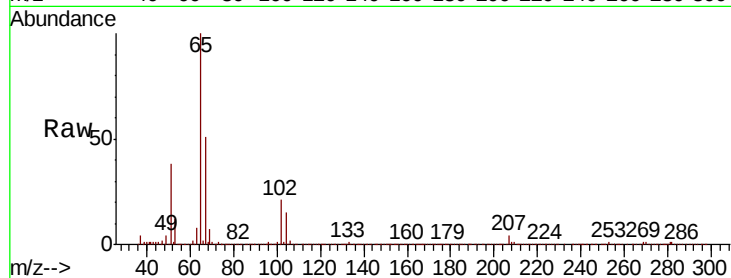




#33
 1,2-Dichloroethane-d4
 Concen: 39.209 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015805.D
 Acq: 21 Apr 2020 19:17

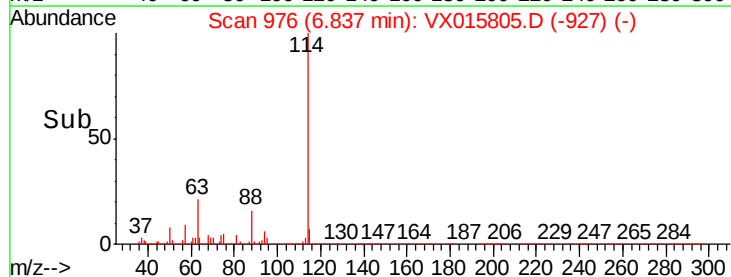
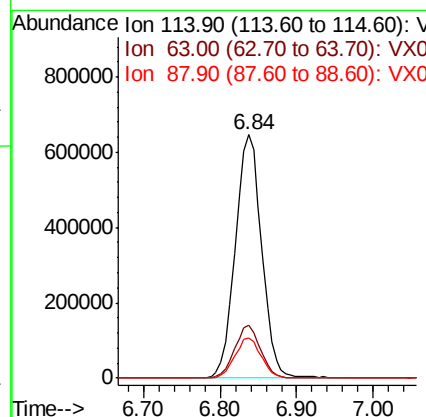
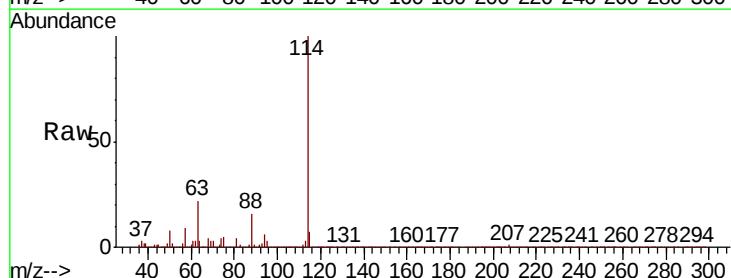
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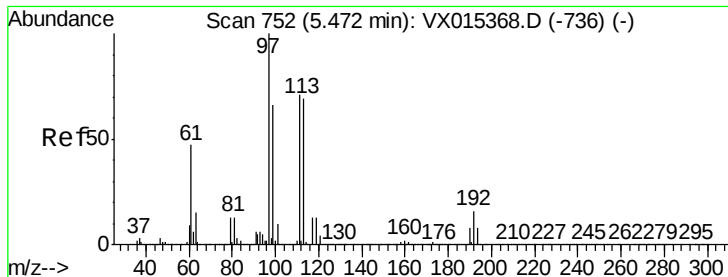
Tot Ion: 65 Resp: 564932
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015805.D
 Acq: 21 Apr 2020 19:17

Tgt Ion: 114 Resp: 1539266
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.2
 88 16.4 0.0 33.8

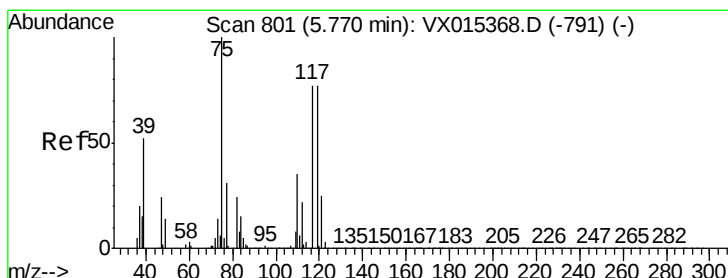
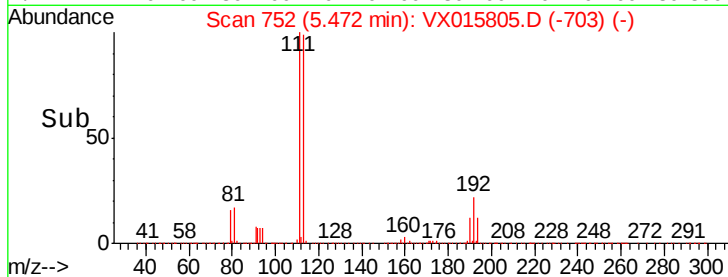
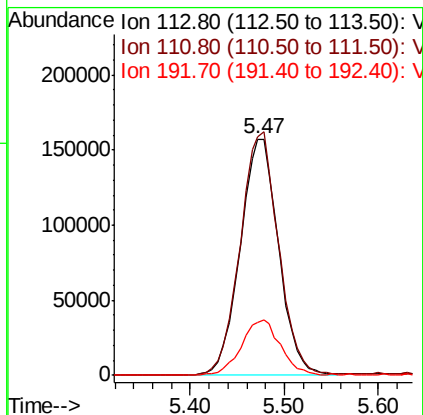
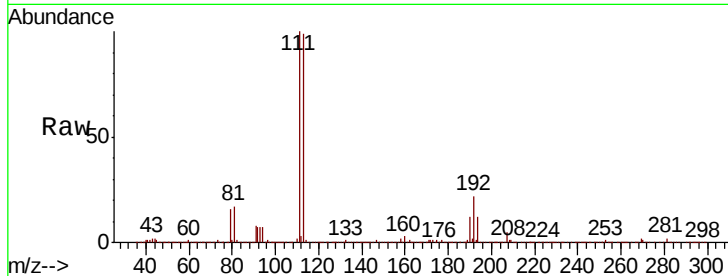




#35
 Dibromofluoromethane
 Concen: 45.526 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015805.D
 Acq: 21 Apr 2020 19:17

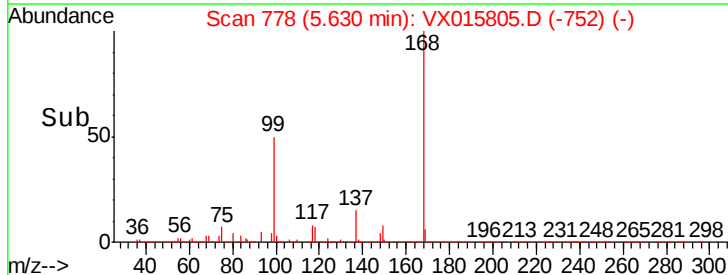
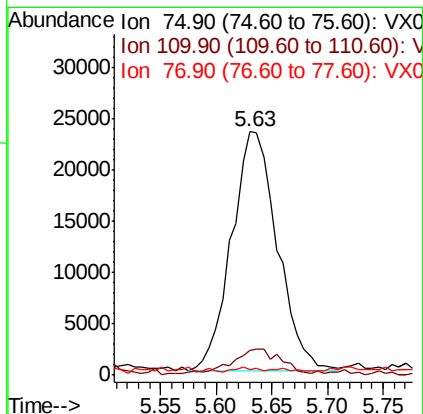
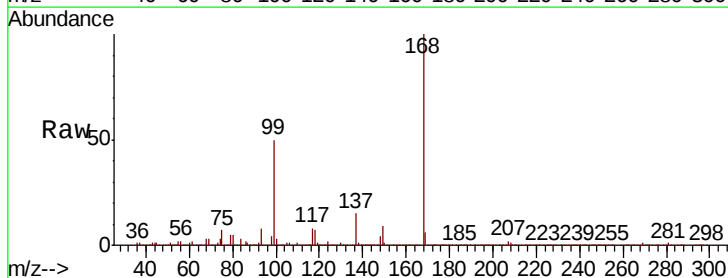
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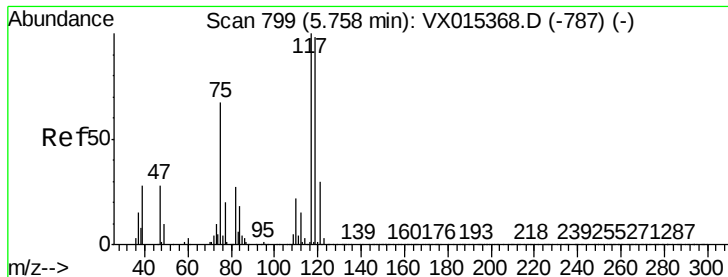
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	23.8	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015805.D
 Acq: 21 Apr 2020 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.3#
77	1.1	24.6	36.8#

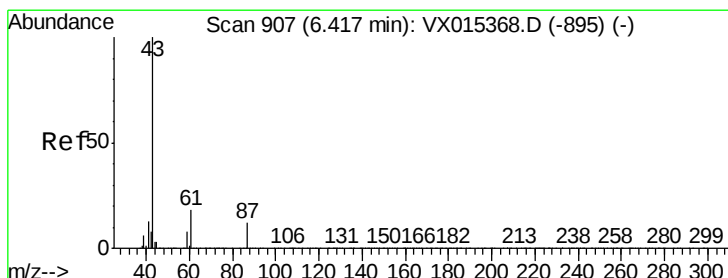
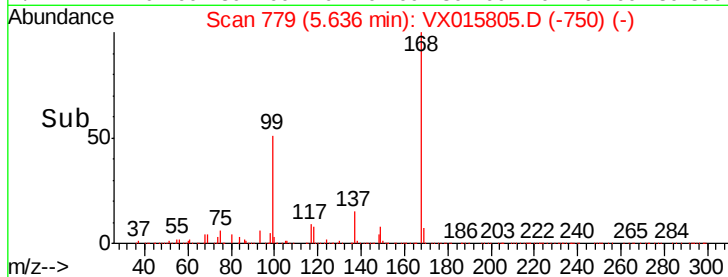
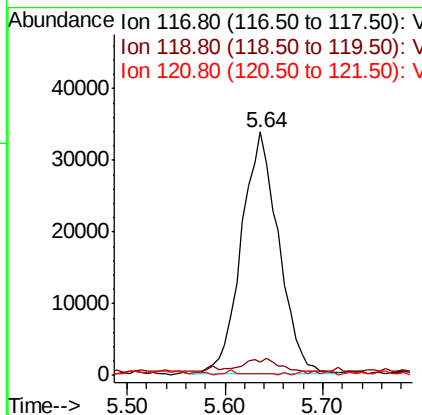
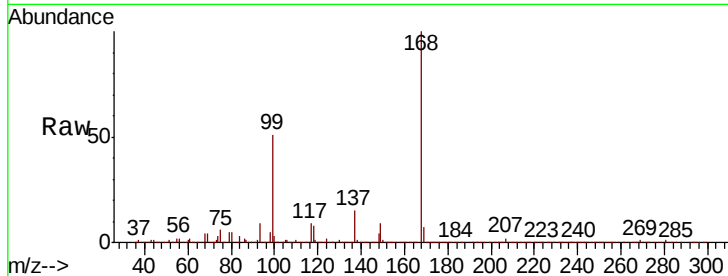




#38
Carbon Tetrachloride
Concen: 5.812 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

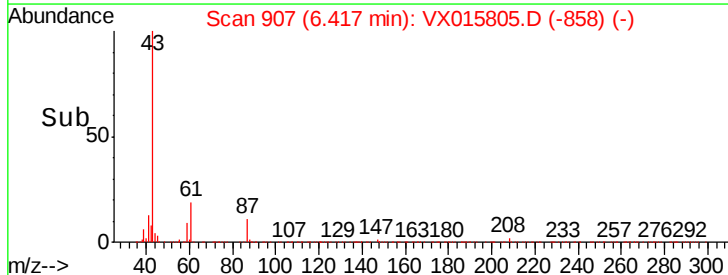
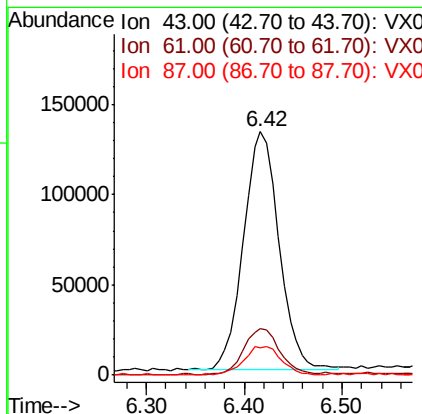
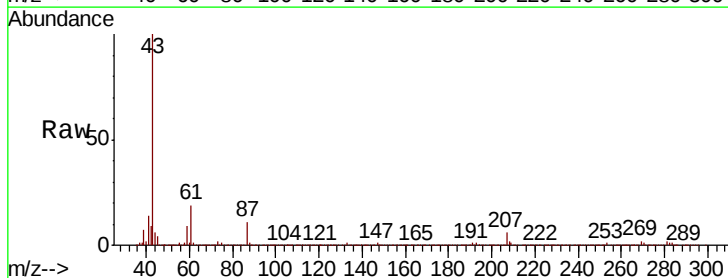
Instrument :
MSVOA_X
ClientSampleId :
TP-19-COMP

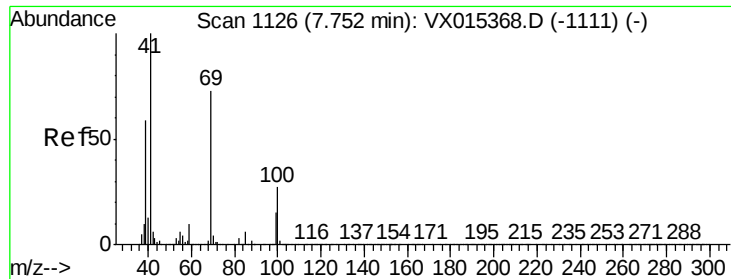
Tot Ion:117 Resp: 89277
Ion Ratio Lower Upper
117 100
119 3.7 78.0 117.0#
121 0.4 23.8 35.8#



#43
Isopropyl Acetate
Concen: 10.737 ug/l
RT: 6.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

Tgt Ion: 43 Resp: 334728
Ion Ratio Lower Upper
43 100
61 19.5 14.8 22.2
87 12.1 9.4 14.0

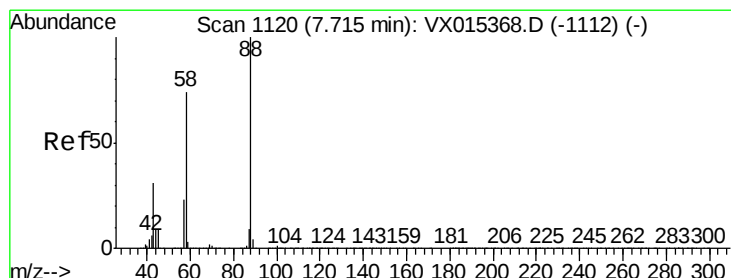
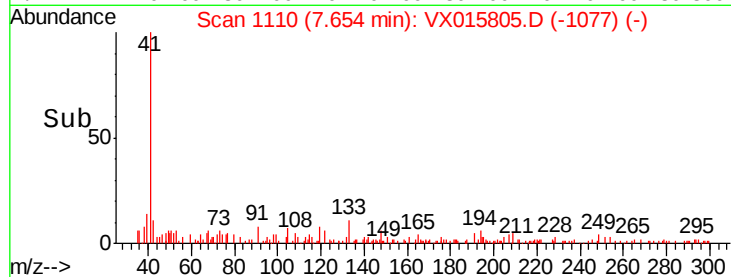
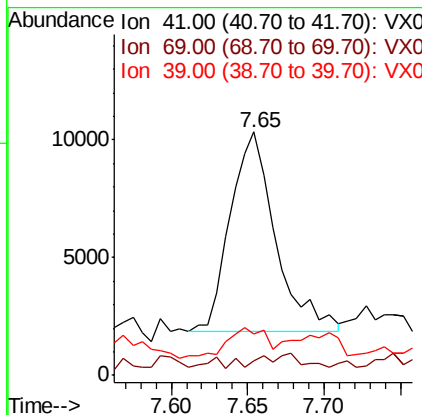
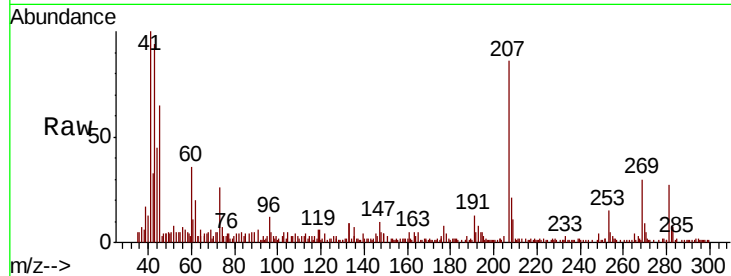




#48
Methvl methacrylate
Concen: 1.122 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

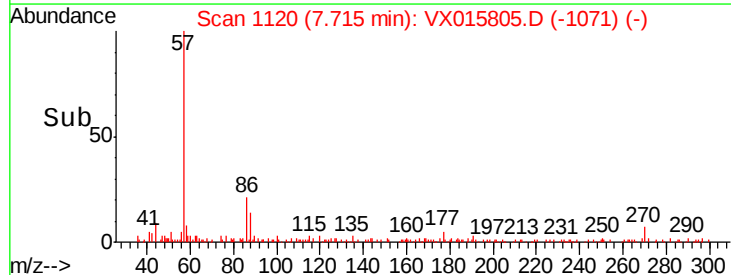
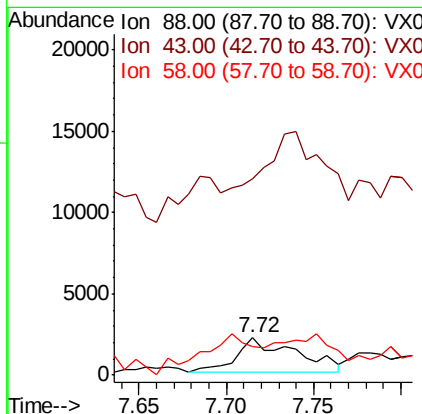
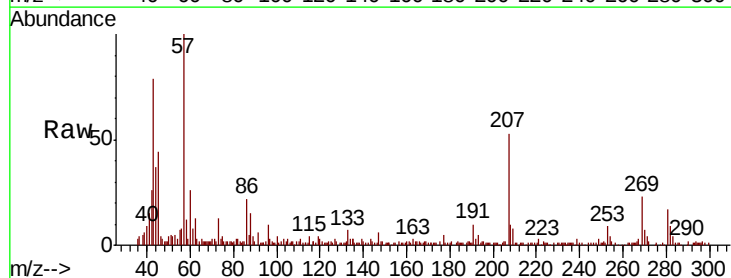
Instrument :
MSVOA_X
ClientSampled :
TP-19-COMP

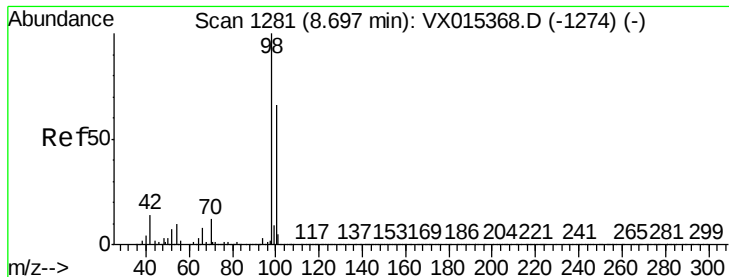
Tot Ion: 41 Resp: 17473
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 16.889 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

Tgt Ion: 88 Resp: 4906
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 114.4 60.6 90.8#

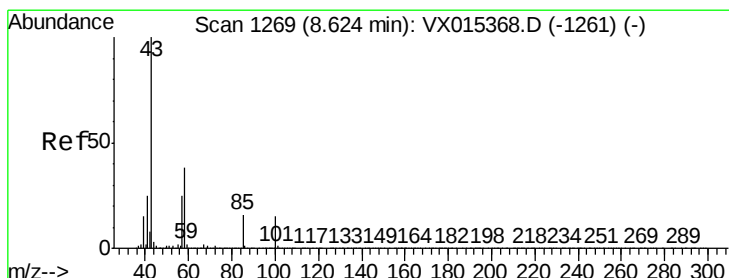
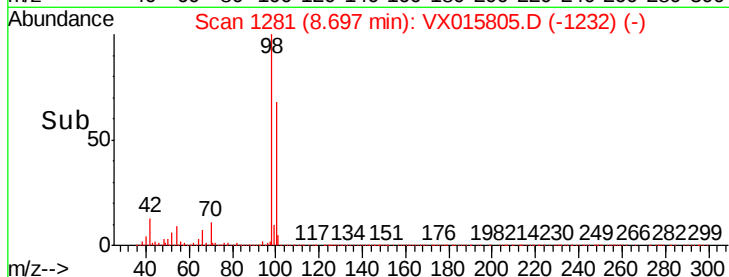
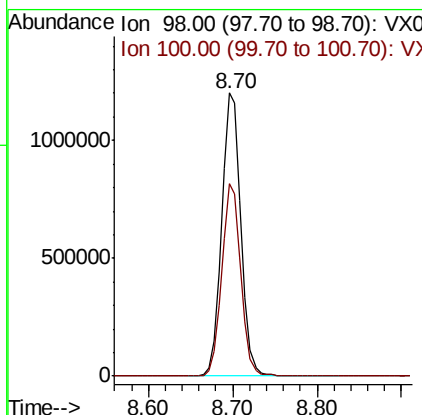
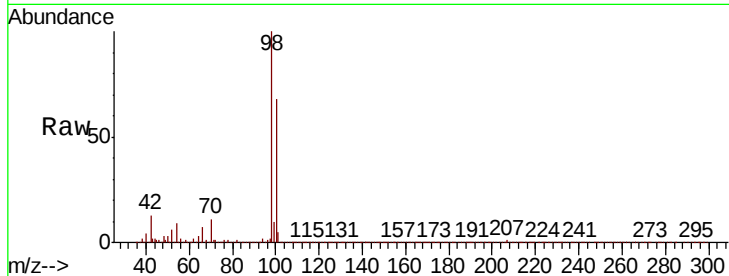




#50
Toluene-d8
Concen: 51.951 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

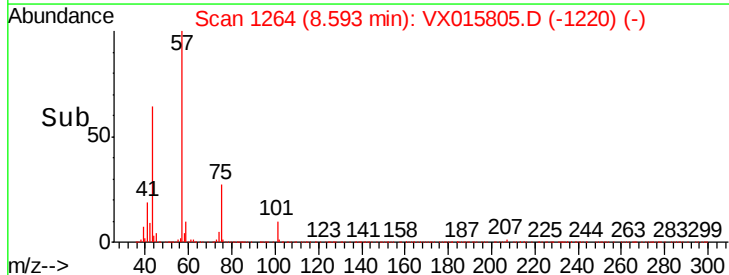
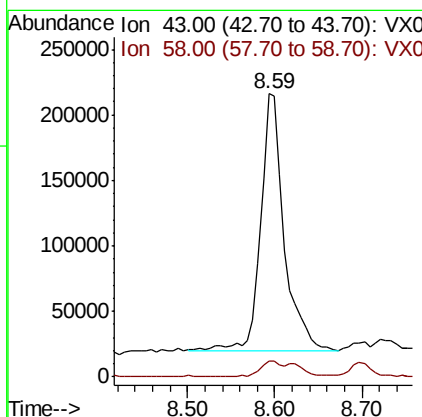
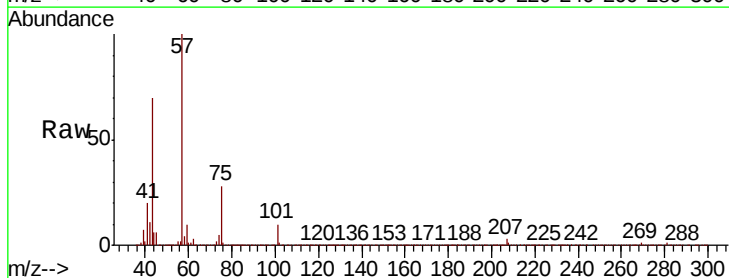
Instrument :
MSVOA_X
ClientSampleId :
TP-19-COMP

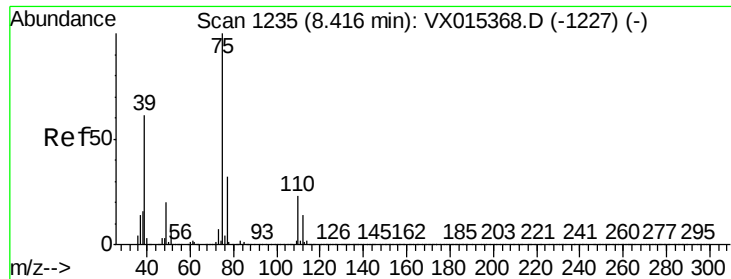
Tot Ion: 98 Resp: 1881989
Ion Ratio Lower Upper
98 100
100 67.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 20.859 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

Tgt Ion: 43 Resp: 368508
Ion Ratio Lower Upper
43 100
58 5.5 29.7 44.5#



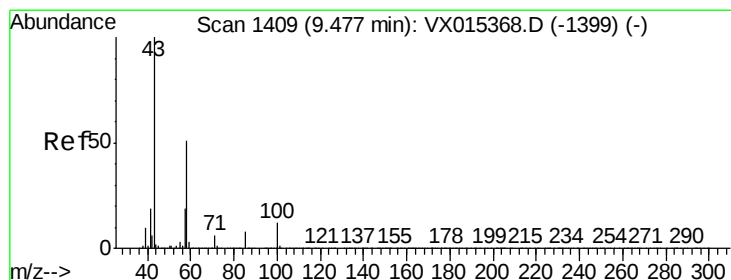
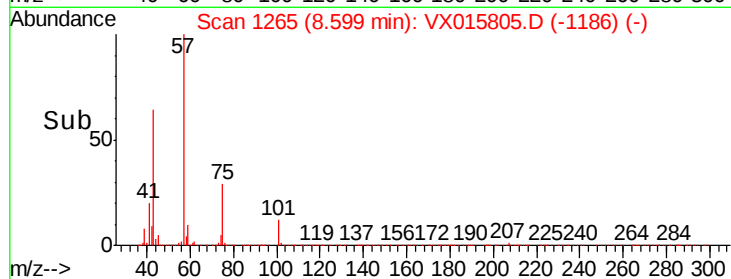
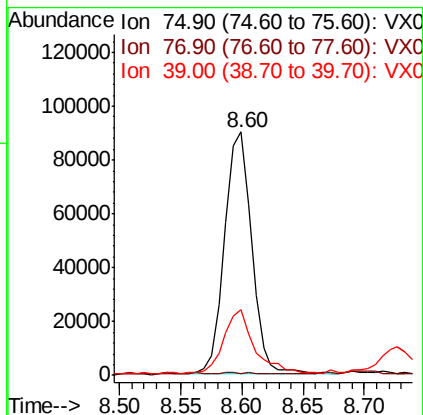
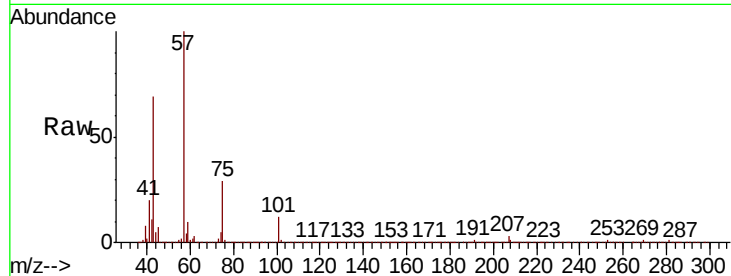


#54

cis-1,3-Dichloropropene
 Concen: 7.300 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015805.D
 Acq: 21 Apr 2020 19:17

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-19-COMP

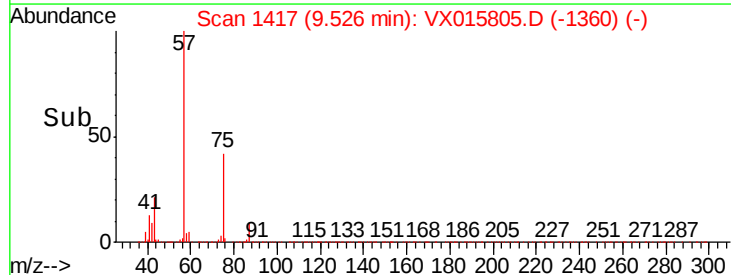
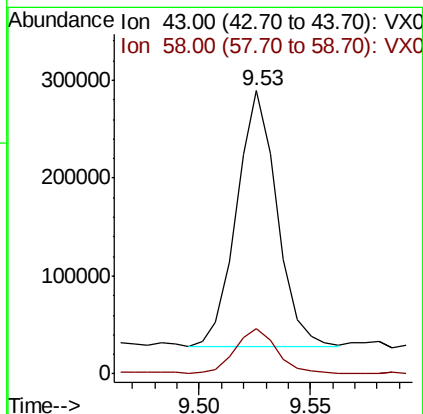
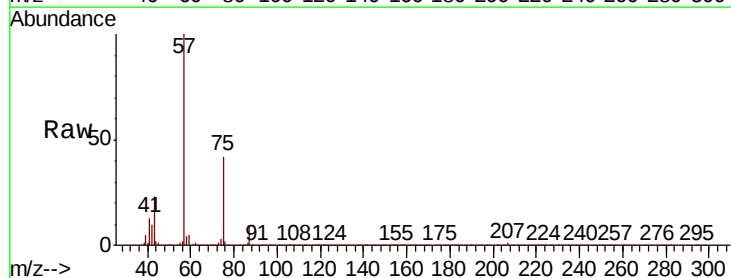
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.2	25.8	38.6#
39	25.7	49.0	73.4#

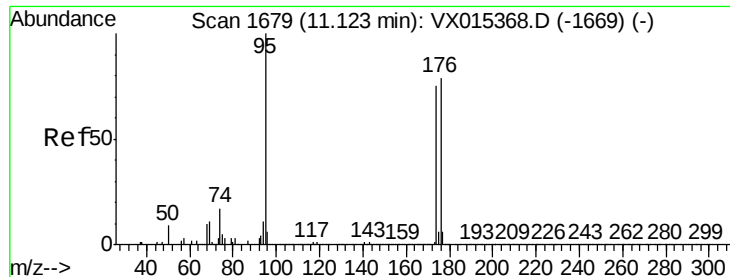


#59

2-Hexanone
 Concen: 24.871 ug/l
 RT: 9.53 min Scan# 1417
 Delta R.T. 0.05 min
 Lab File: VX015805.D
 Acq: 21 Apr 2020 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	17.8	25.6	76.6#





#62

4-Bromofluorobenzene

Concen: 53.392 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015805.D

Acq: 21 Apr 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

TP-19-COMP

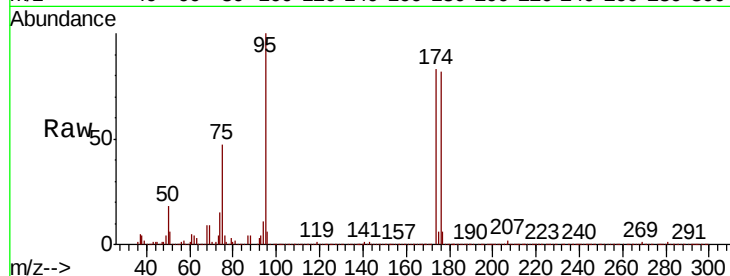
Tot Ion: 95 Resp: 786062

Ion Ratio Lower Upper

95 100

174 86.8 0.0 158.6

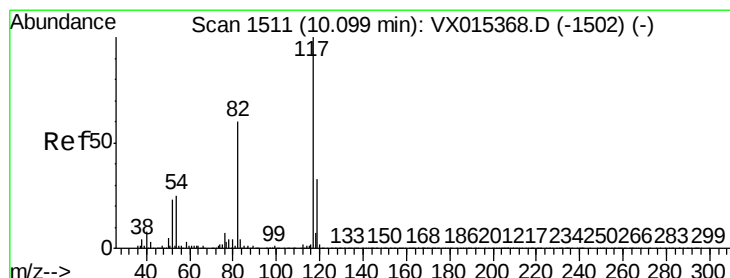
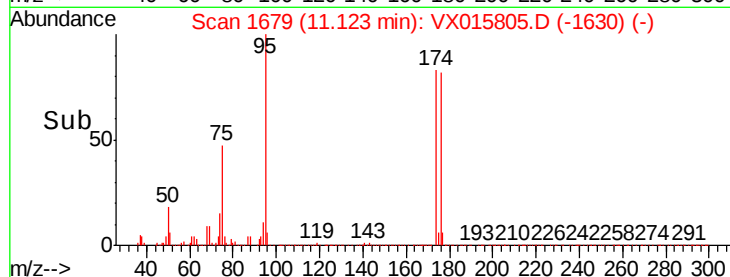
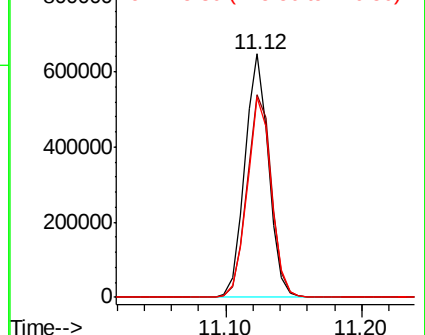
176 84.3 0.0 159.0



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: VX015805.D

Acq: 21 Apr 2020 19:17

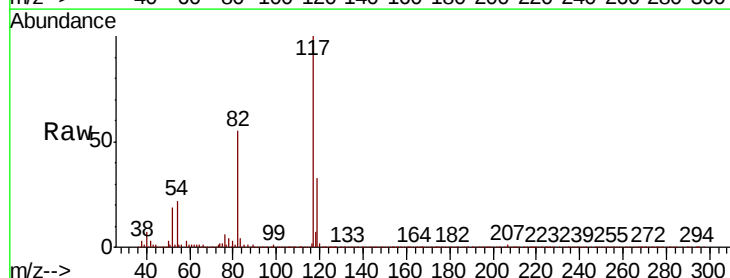
Tgt Ion: 117 Resp: 1473504

Ion Ratio Lower Upper

117 100

82 55.3 47.8 71.8

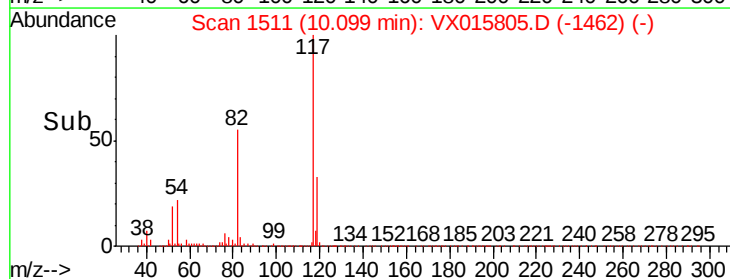
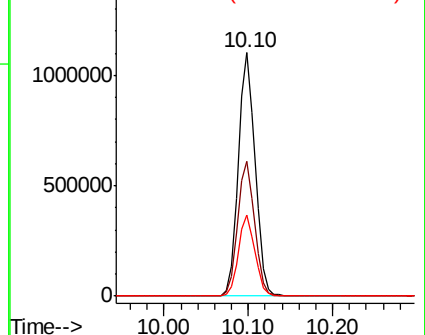
119 33.4 26.8 40.2

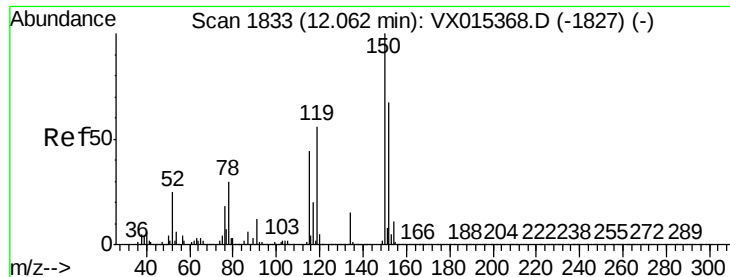


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



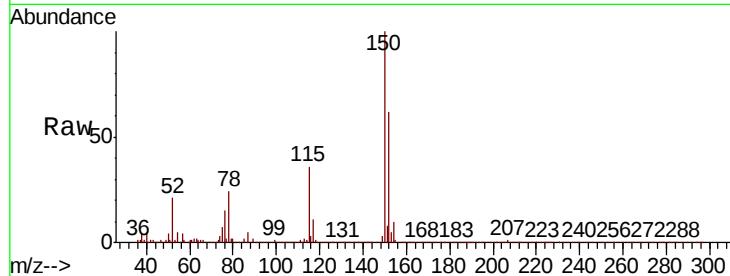


#72

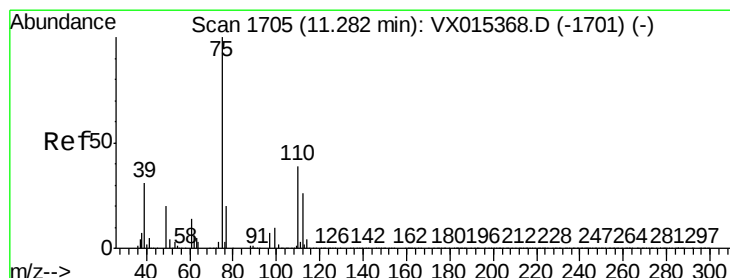
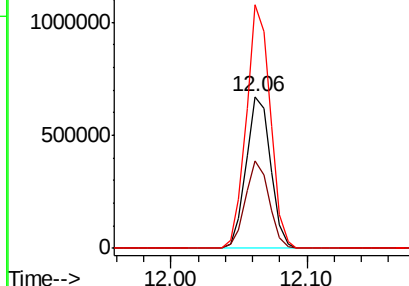
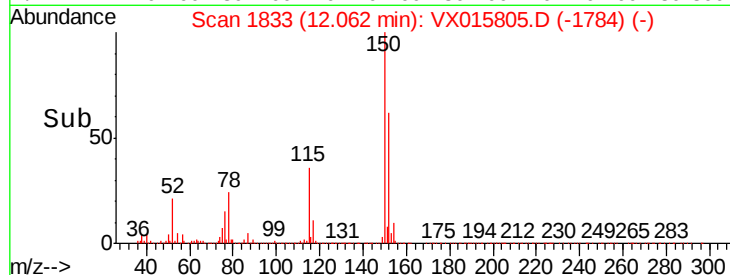
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

Instrument :
MSVOA_X
ClientSampled :
TP-19-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	39.0	116.9
150	156.9	0.0	340.8



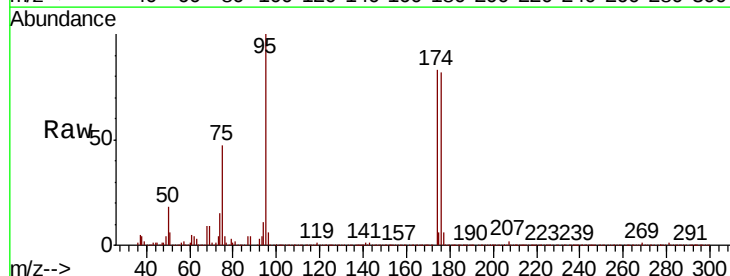
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



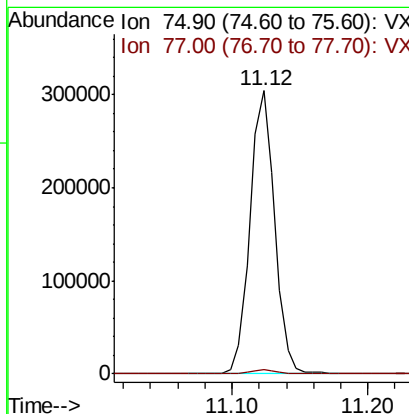
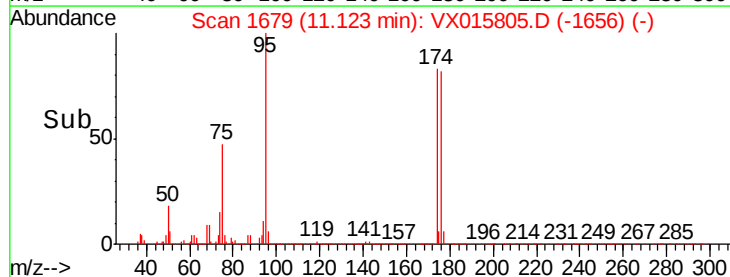
#76

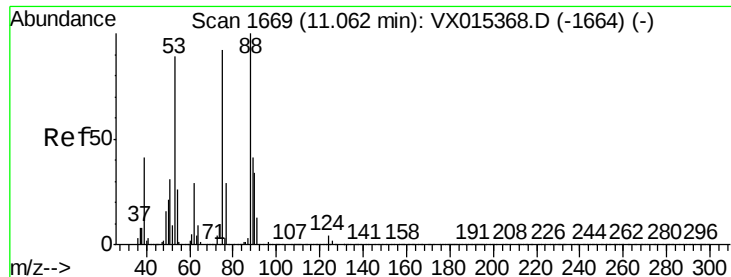
1,2,3-Trichloropropane
Concen: 22.007 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015805.D
Acq: 21 Apr 2020 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.2	63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.806 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015805.D

Acq: 21 Apr 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

TP-19-COMP

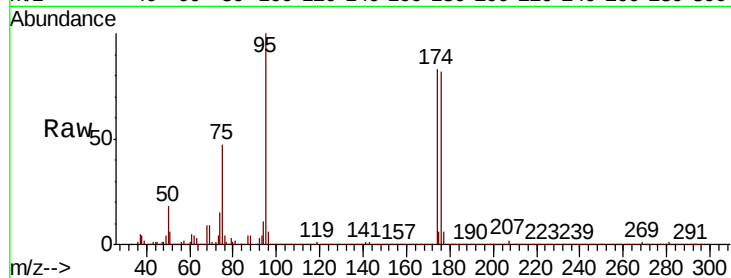
Tot Ion: 75 Resp: 383781

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.3 36.1 54.1#

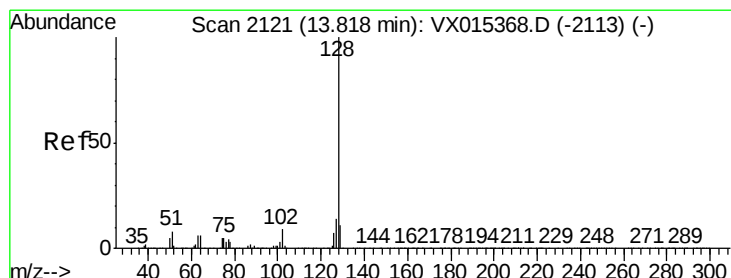
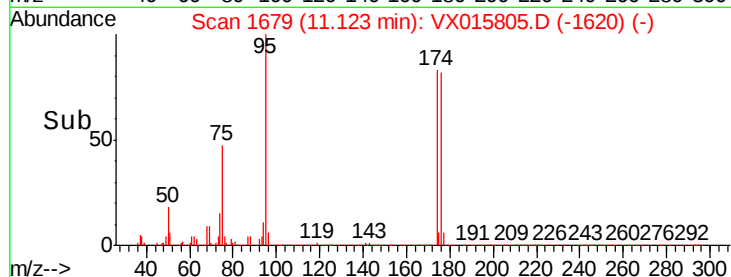
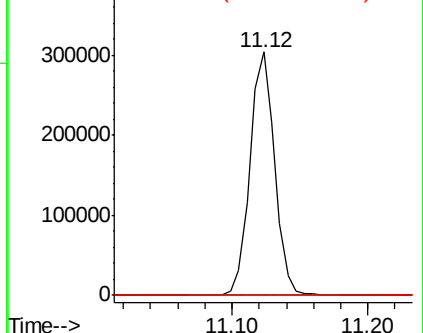


Abundance

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



#95

Naphthalene

Concen: 2.047 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. -0.00 min

Lab File: VX015805.D

Acq: 21 Apr 2020 19:17

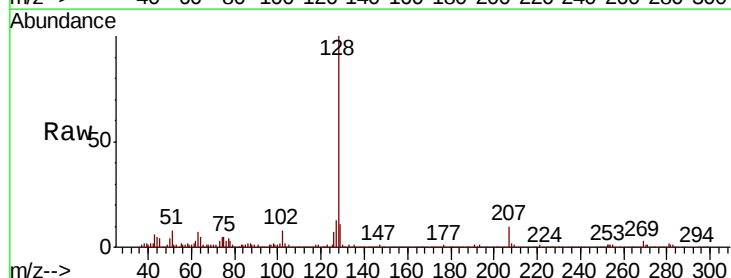
Tgt Ion: 128 Resp: 128274

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 11.6 8.8 13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

