

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015819.D
 Acq On : 22 Apr 2020 01:42
 Operator : JC/SP
 Sample : L2123-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-042020

Quant Time: Apr 22 04:26:36 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	5.63	168	986563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1567379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1484798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	827381	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	550014	39.53	ug/l	0.00
Spiked Amount			Recovery	=	79.06%	
35) Dibromofluoromethane	5.47	113	447984	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	
50) Toluene-d8	8.70	98	1846959	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.12	95	779184	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

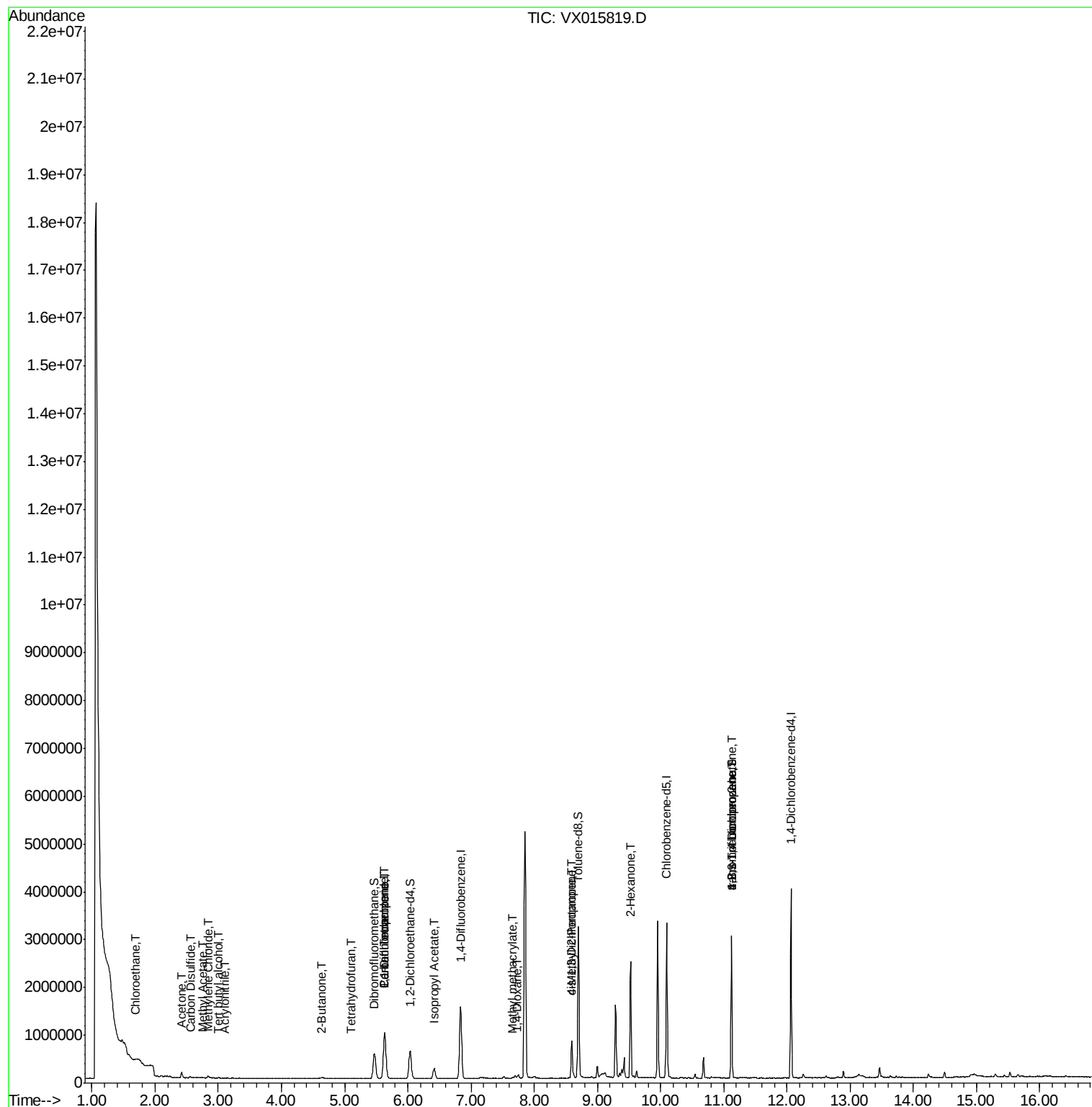
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	234	Below Cal	#	25
6) Chloroethane	1.69	64	1311	0.208	ug/l #	43
11) Tert butyl alcohol	3.01	59	2135	0.641	ug/l #	73
15) Acrylonitrile	3.11	53	2498	0.393	ug/l #	23
16) Acetone	2.42	43	139817	23.389	ug/l	90
17) Carbon Disulfide	2.56	76	28824	1.014	ug/l #	90
18) Methyl Acetate	2.75	43	16686	1.094	ug/l	99
20) Methylene Chloride	2.84	84	16471	1.475	ug/l	94
25) 2-Butanone	4.64	43	25920	2.696	ug/l	96
29) Tetrahydrofuran	5.10	42	11291	1.827	ug/l #	51
36) 1,1-Dichloropropene	5.64	75	67693	4.687	ug/l #	51
38) Carbon Tetrachloride	5.64	117	94486	6.041	ug/l #	14
43) Isopropyl Acetate	6.42	43	317401	9.999	ug/l	97
48) Methyl methacrylate	7.65	41	18534	1.169	ug/l #	19
49) 1,4-Dioxane	7.72	88	2807	9.490	ug/l #	76
51) 4-Methyl-2-Pentanone	8.59	43	309294	17.193	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	126111	6.526	ug/l #	49
59) 2-Hexanone	9.53	43	292553	21.540	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	376314	22.117	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	376314	53.070	ug/l #	10

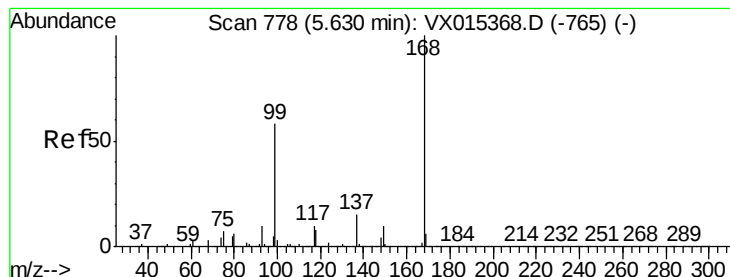
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

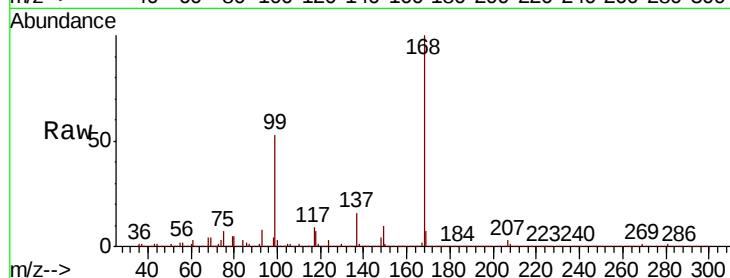
TR-05-042020

Tot Ion:168 Resp: 986563

Ion Ratio Lower Upper

168 100

99 52.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

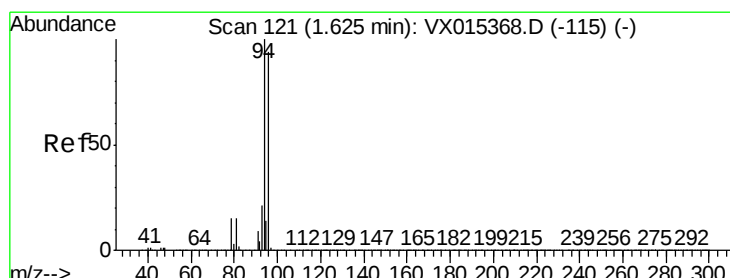
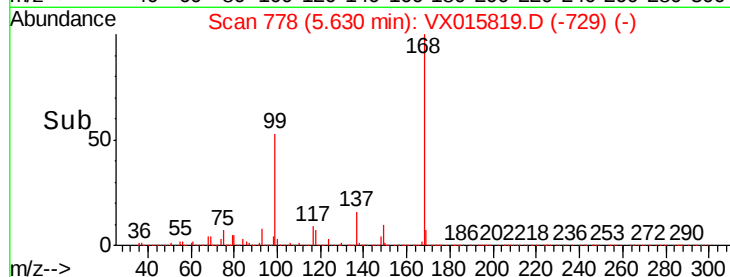
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015819.D

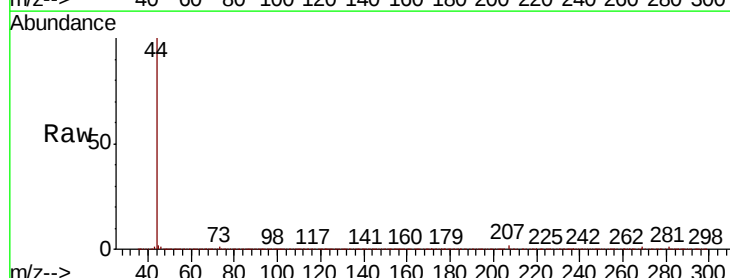
Acq: 22 Apr 2020 01:42

Tgt Ion: 94 Resp: 234

Ion Ratio Lower Upper

94 100

96 21.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

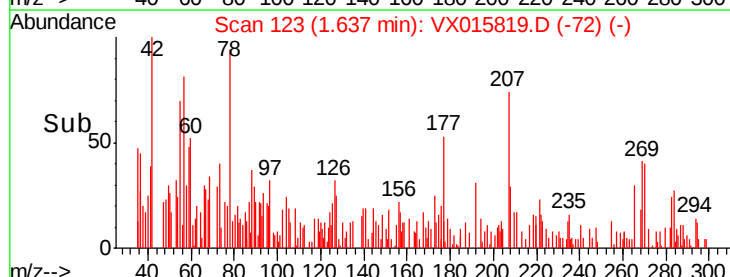
1000

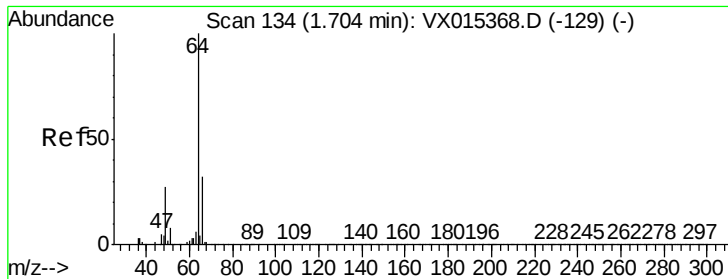
500

0

Time-->

1.62 1.63 1.64 1.65





#6

Chloroethane

Concen: 0.208 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampled :

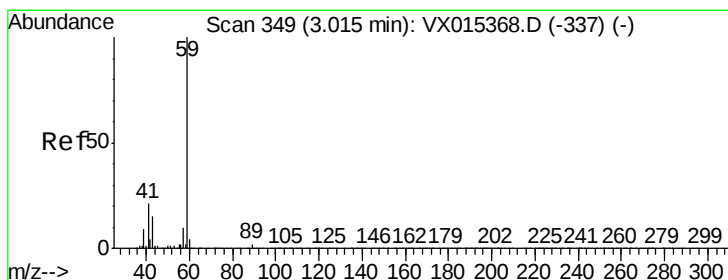
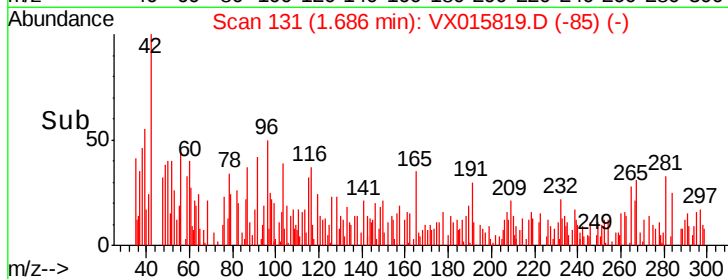
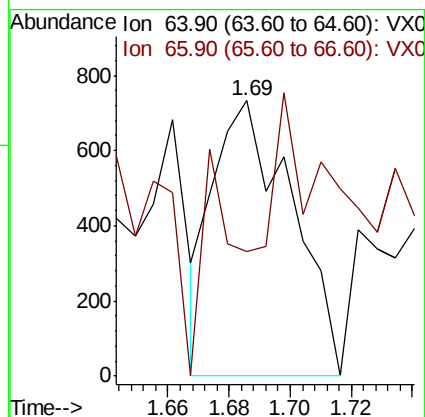
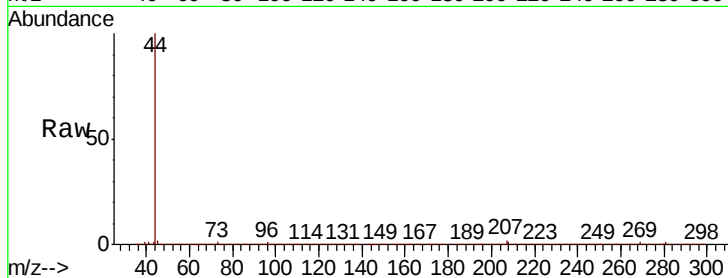
TR-05-042020

Tot Ion: 64 Resp: 1311

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: 0.641 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015819.D

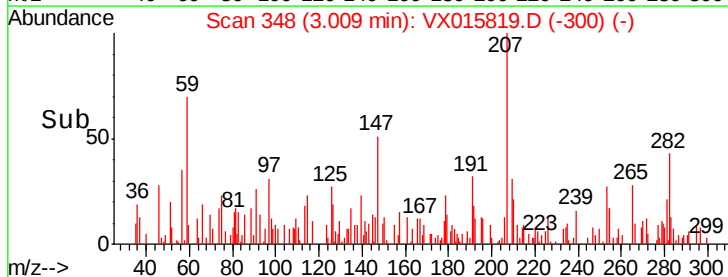
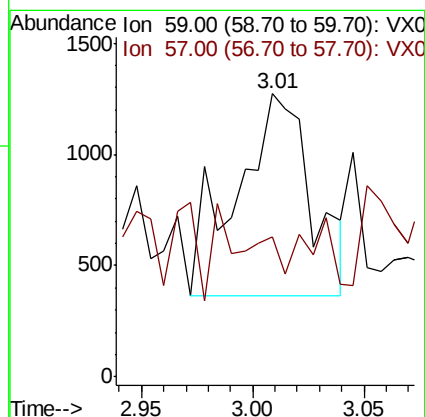
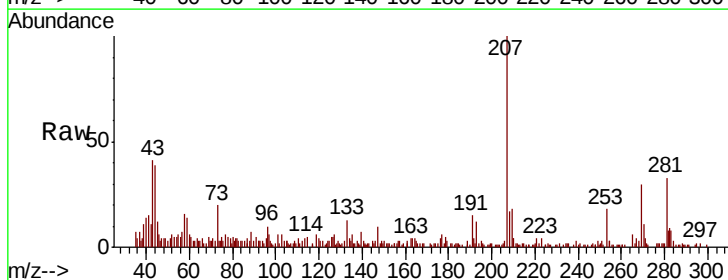
Acq: 22 Apr 2020 01:42

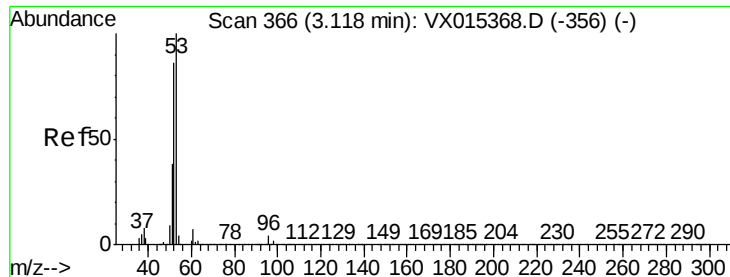
Tgt Ion: 59 Resp: 2135

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#15

Acrylonitrile

Concen: 0.393 ug/l

RT: 3.11 min Scan# 364

Delta R.T. -0.01 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

TR-05-042020

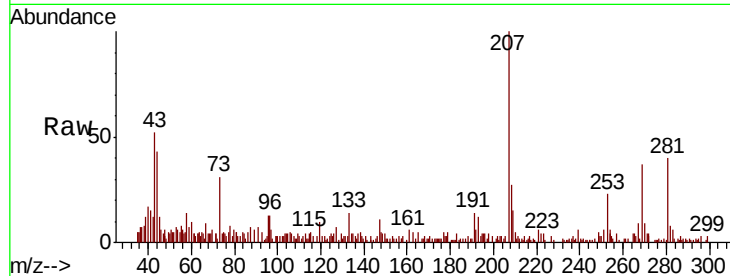
Tot Ion: 53 Resp: 2498

Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

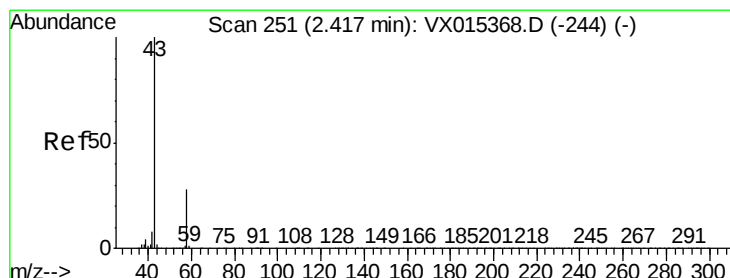
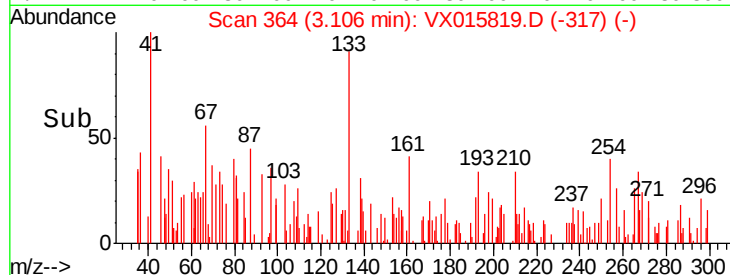
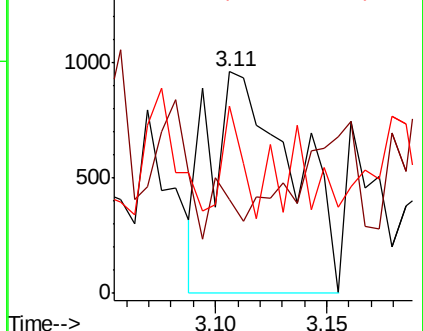
51 11.5 29.5 44.3#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 23.389 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015819.D

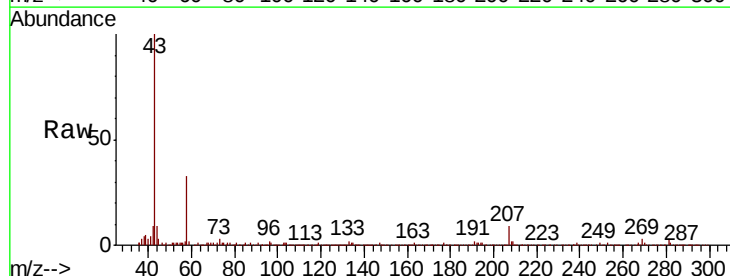
Acq: 22 Apr 2020 01:42

Tgt Ion: 43 Resp: 139817

Ion Ratio Lower Upper

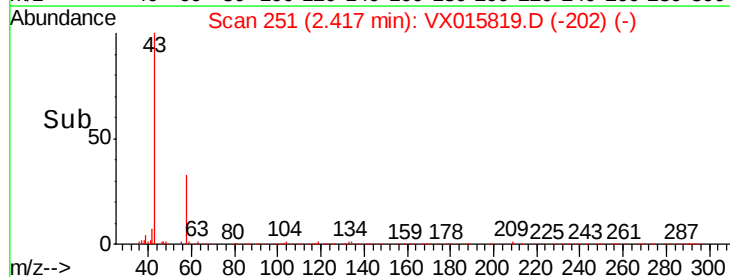
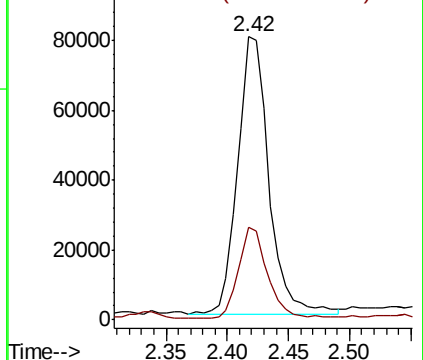
43 100

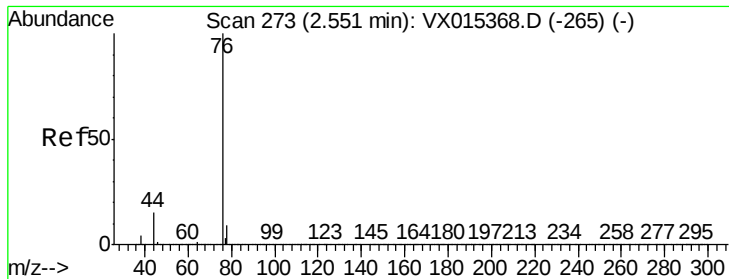
58 32.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.014 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

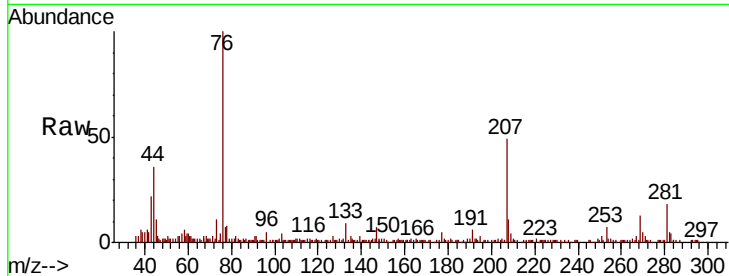
TR-05-042020

Tot Ion: 76 Resp: 28824

Ion Ratio Lower Upper

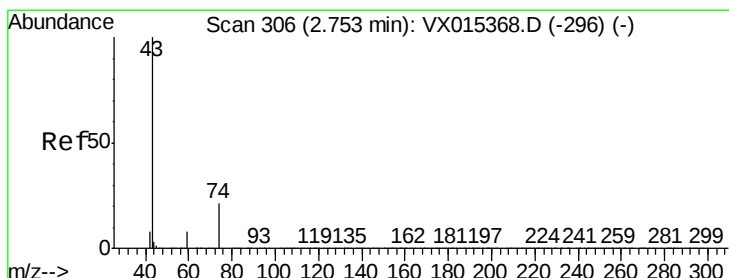
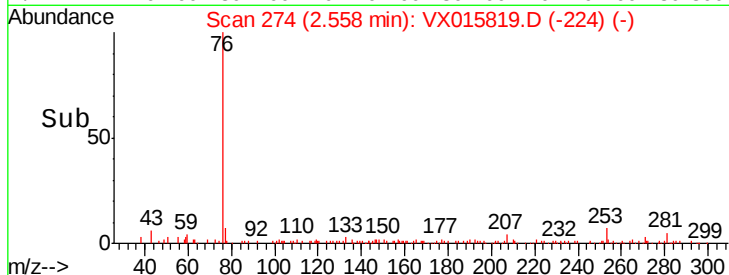
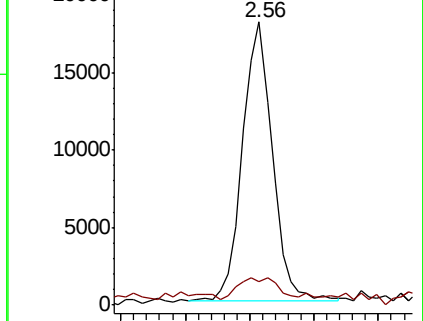
76 100

78 5.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.094 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015819.D

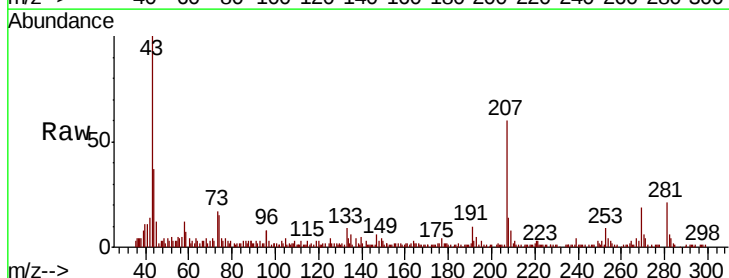
Acq: 22 Apr 2020 01:42

Tgt Ion: 43 Resp: 16686

Ion Ratio Lower Upper

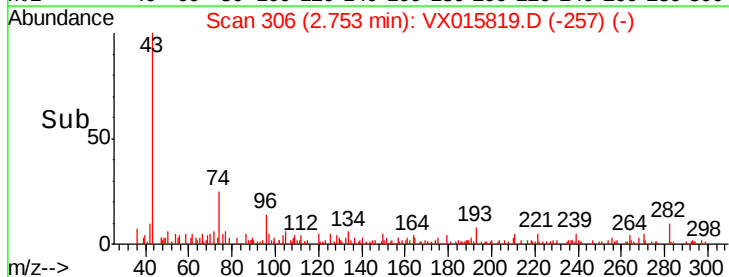
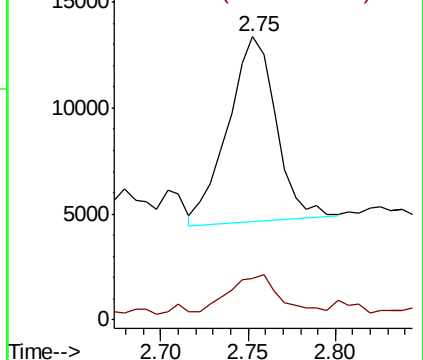
43 100

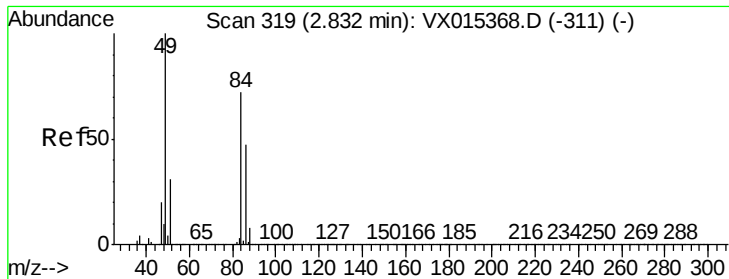
74 21.1 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

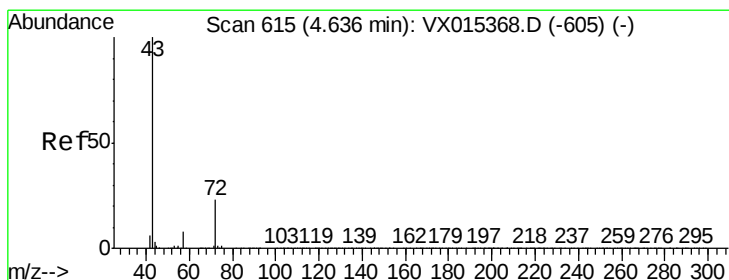
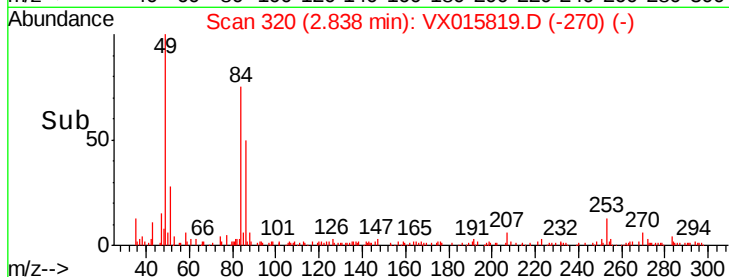
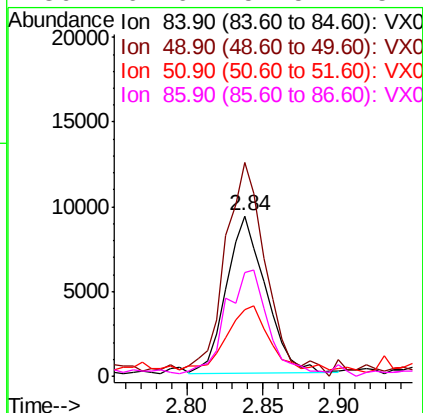
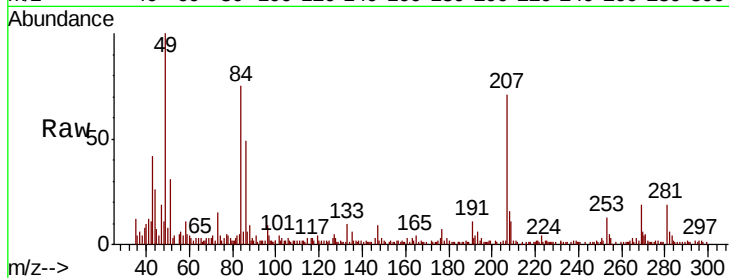




#20
Methvlene Chloride
Concen: 1.475 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015819.D
Acq: 22 Apr 2020 01:42

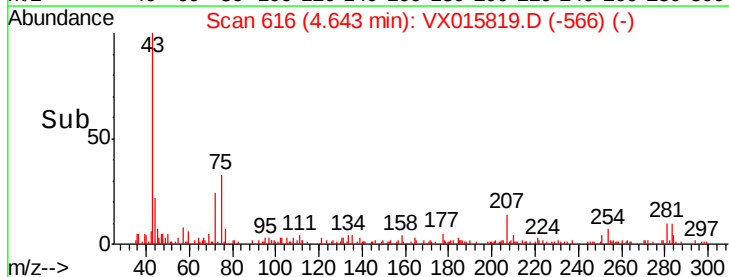
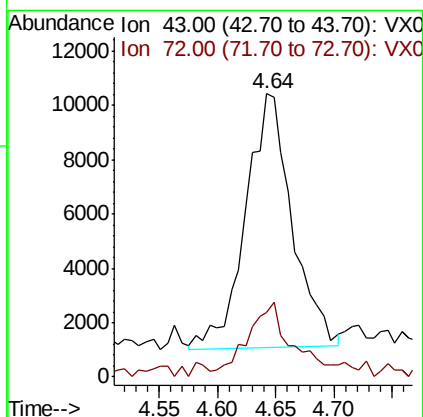
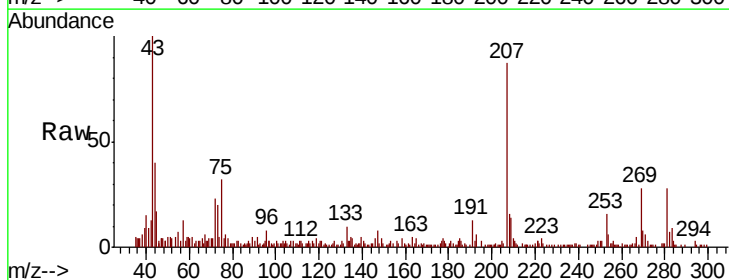
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TR-05-042020

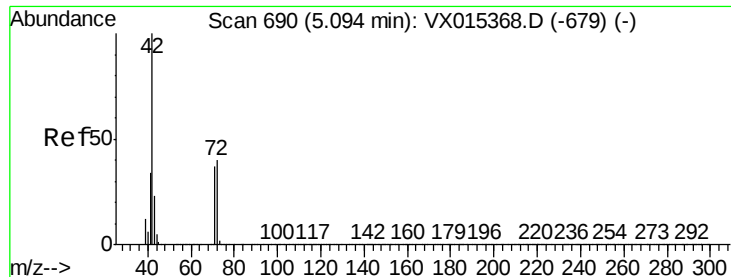
Tot Ion:	84	Resp:	16471
Ion	Ratio	Lower	Upper
84	100		
49	130.2	111.3	166.9
51	38.1	34.0	51.0
86	62.6	52.5	78.7



#25
2-Butanone
Concen: 2.696 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015819.D
Acq: 22 Apr 2020 01:42

Tgt Ion:	43	Resp:	25920
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.0	28.4





#29

Tetrahydrofuran

Concen: 1.827 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

TR-05-042020

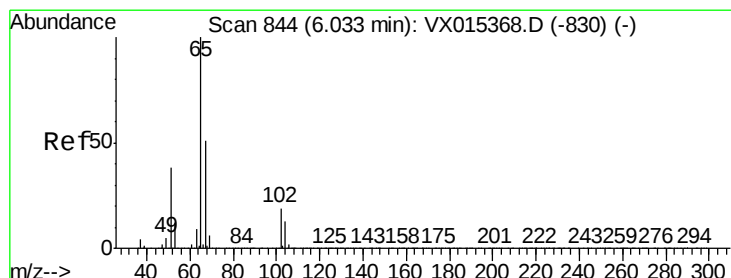
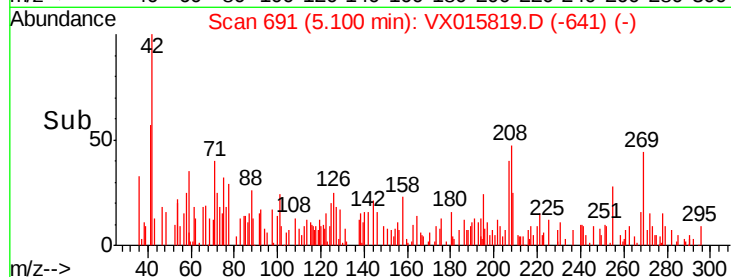
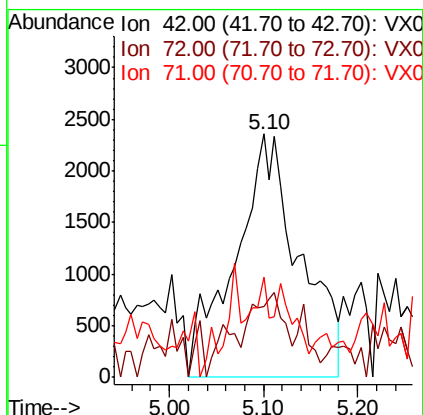
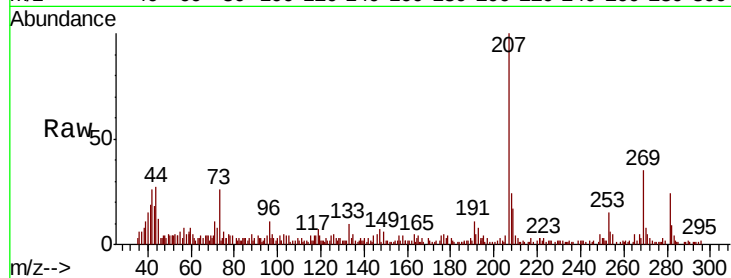
Tot Ion: 42 Resp: 11291

Ion Ratio Lower Upper

42 100

72 15.1 31.7 47.5#

71 2.2 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 39.528 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015819.D

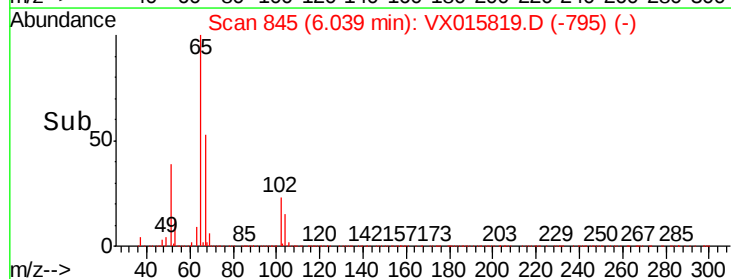
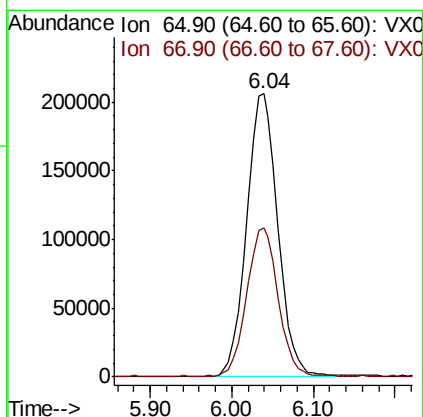
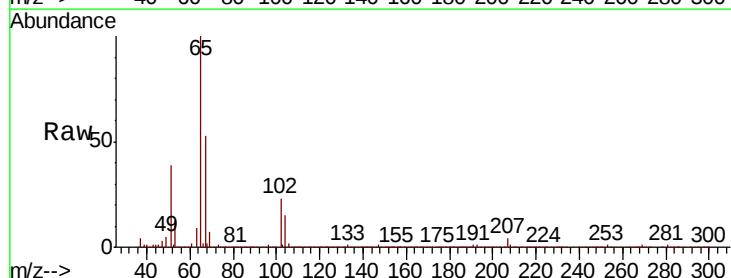
Acq: 22 Apr 2020 01:42

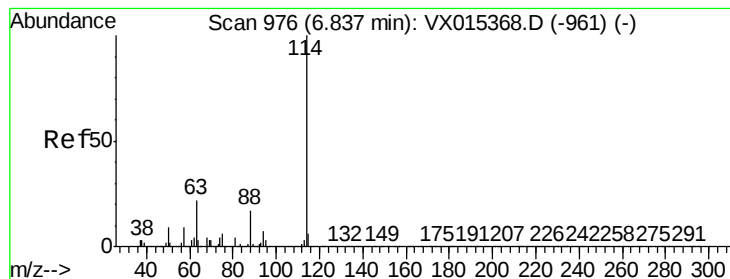
Tgt Ion: 65 Resp: 550014

Ion Ratio Lower Upper

65 100

67 52.6 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: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

TR-05-042020

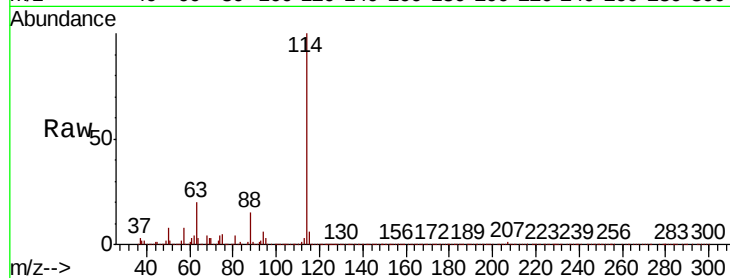
Tot Ion:114 Resp: 1567379

Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.2

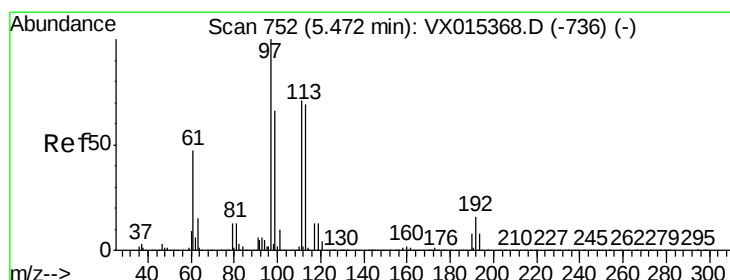
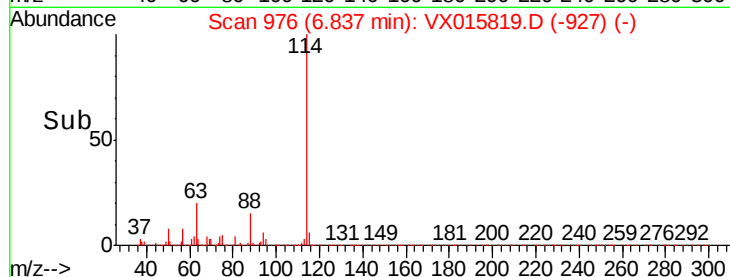
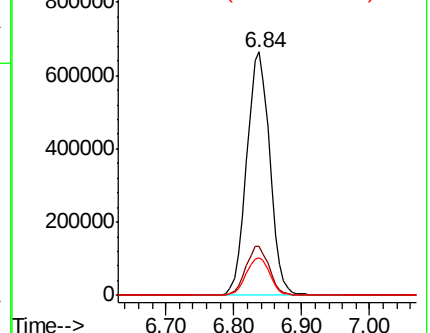
88 15.3 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 44.713 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

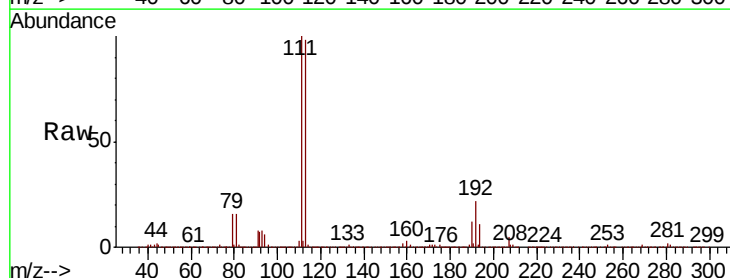
Tgt Ion:113 Resp: 447984

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

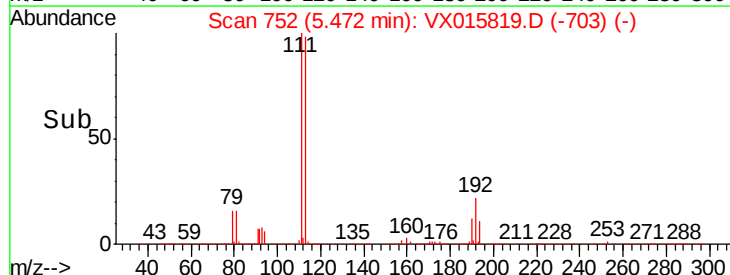
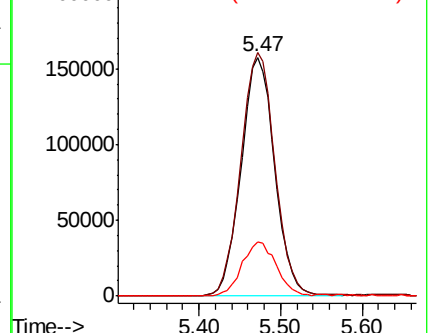
192 23.0 17.8 26.6

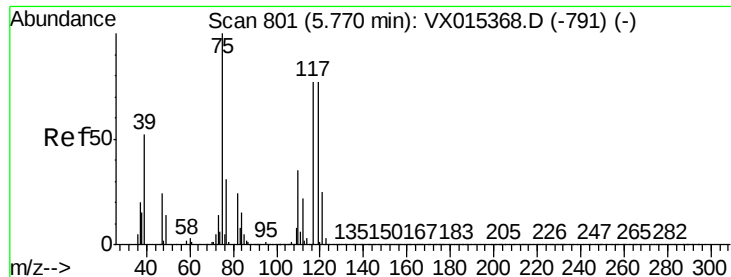


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

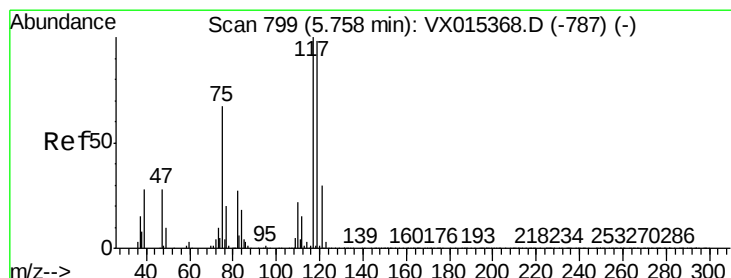
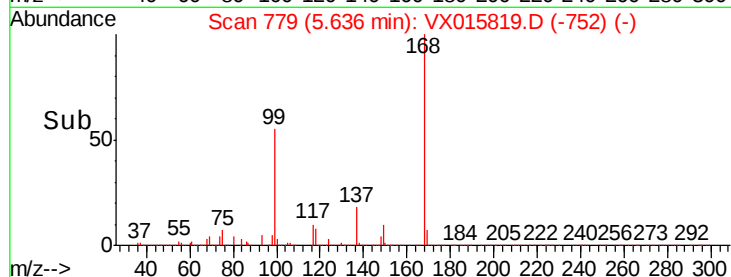
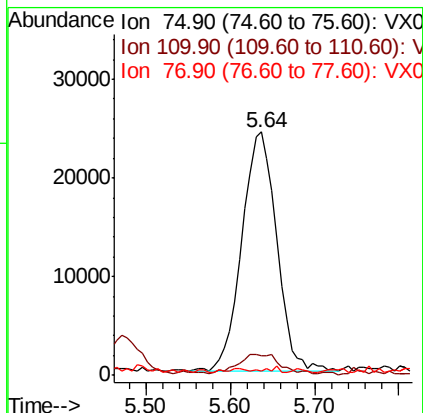
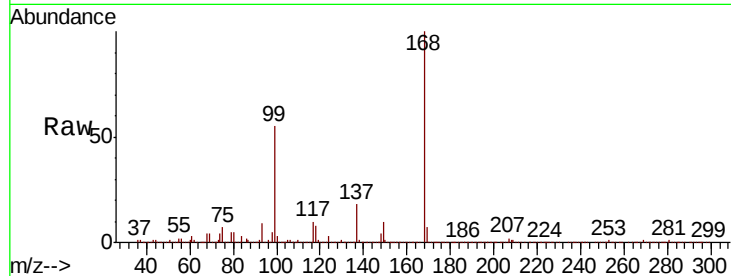




#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015819.D
 Acq: 22 Apr 2020 01:42

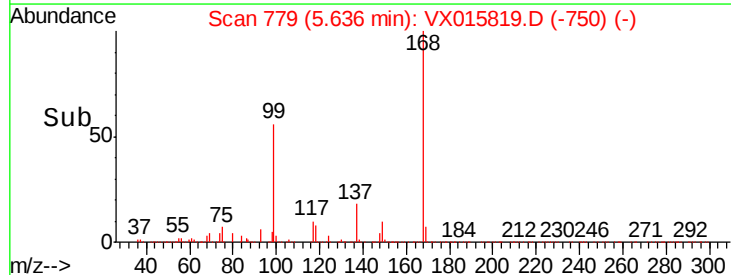
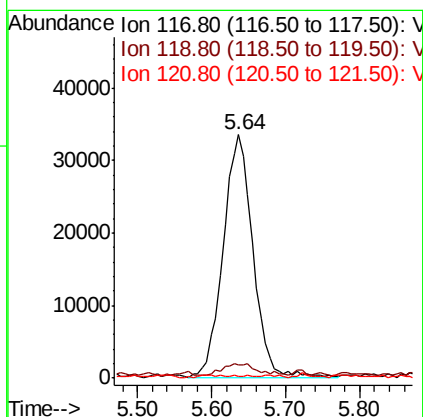
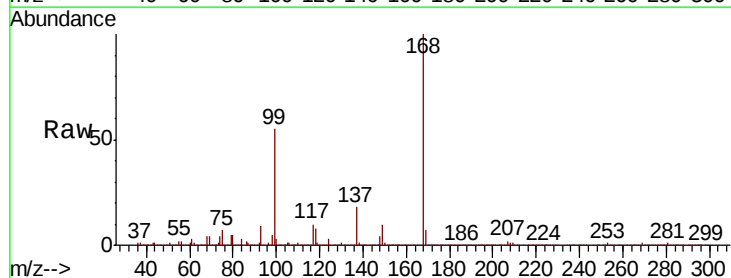
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-042020

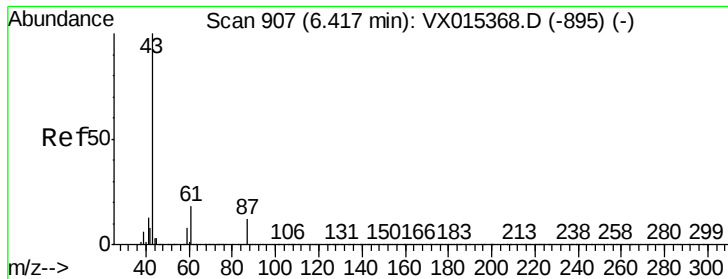
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.1	51.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.041 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015819.D
 Acq: 22 Apr 2020 01:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	78.0	117.0#
121	0.2	23.8	35.8#



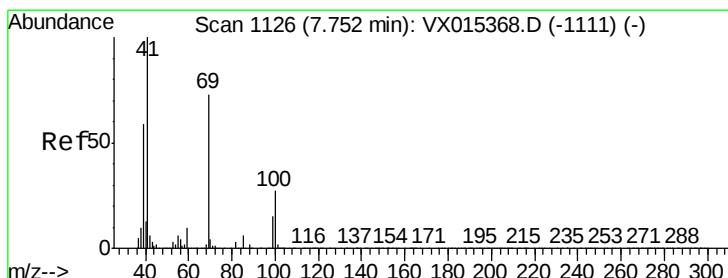
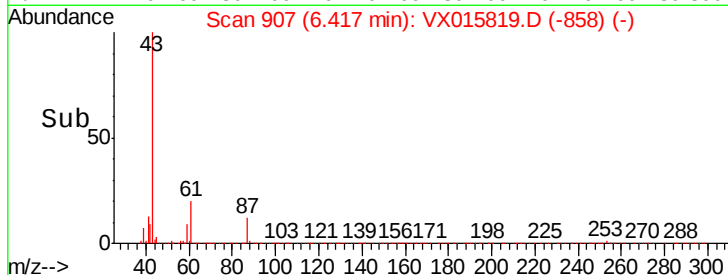
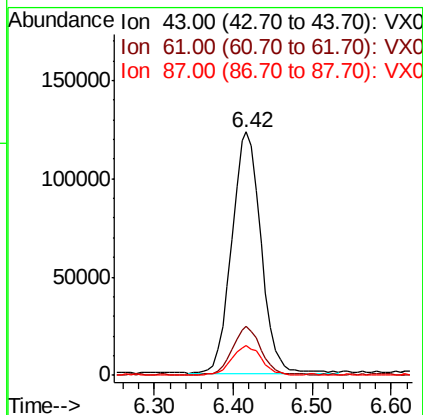
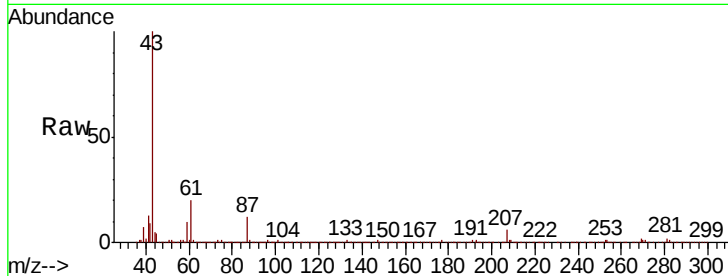


#43

Isopropyl Acetate
 Concen: 9.999 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015819.D
 Acq: 22 Apr 2020 01:42

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-042020

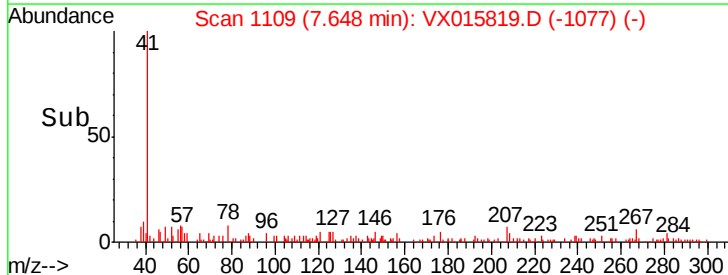
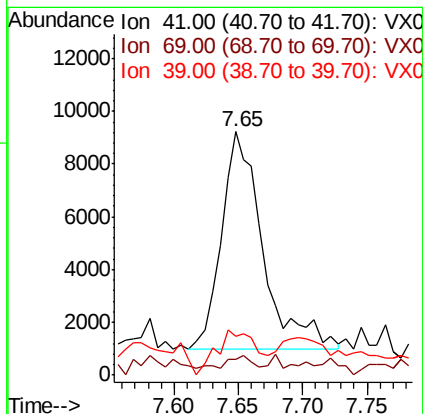
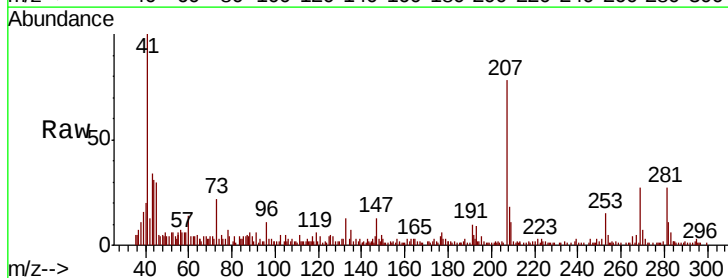
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.8	22.2
87	12.0	9.4	14.0

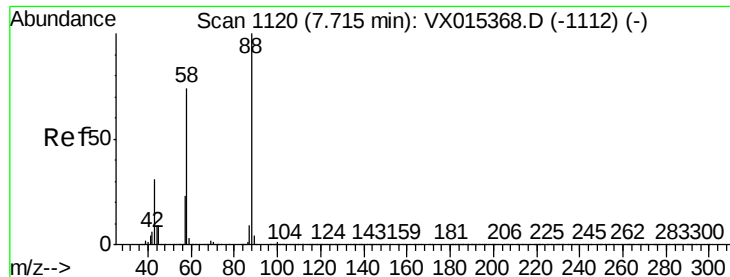


#48

Methyl methacrylate
 Concen: 1.169 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.10 min
 Lab File: VX015819.D
 Acq: 22 Apr 2020 01:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	2.3	56.7	85.1#
39	0.0	46.5	69.7#





#49

1,4-Dioxane

Concen: 9.490 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

TR-05-042020

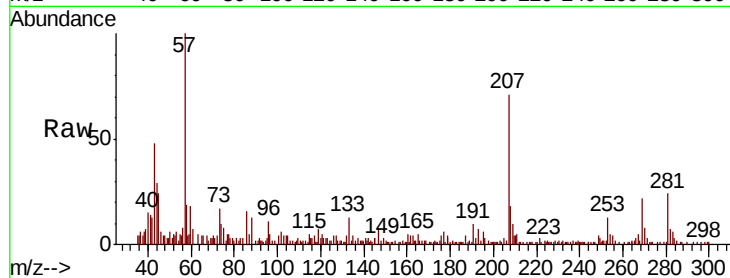
Tot Ion: 88 Resp: 2807

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

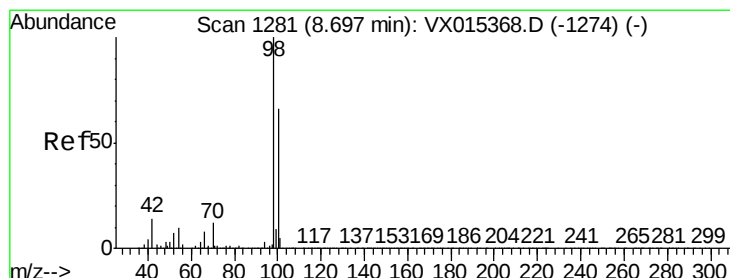
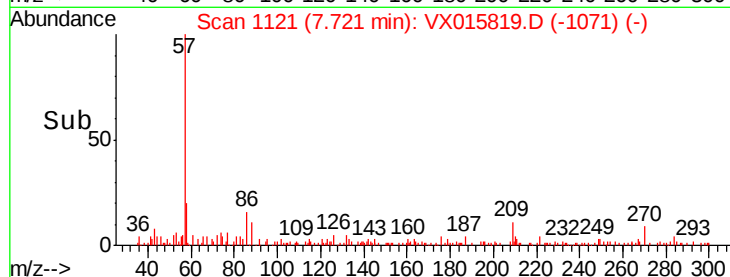
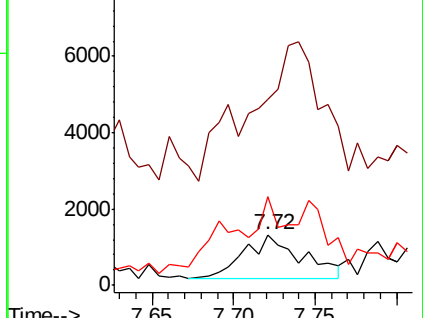
58 80.4 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.070 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015819.D

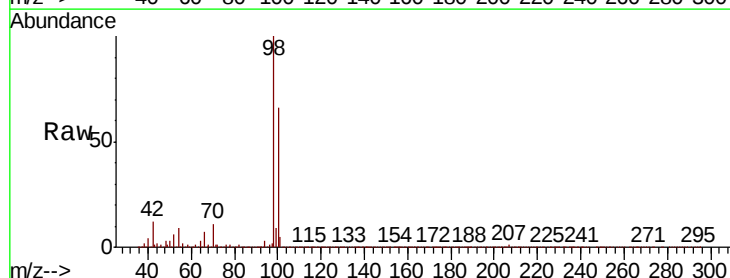
Acq: 22 Apr 2020 01:42

Tgt Ion: 98 Resp: 1846959

Ion Ratio Lower Upper

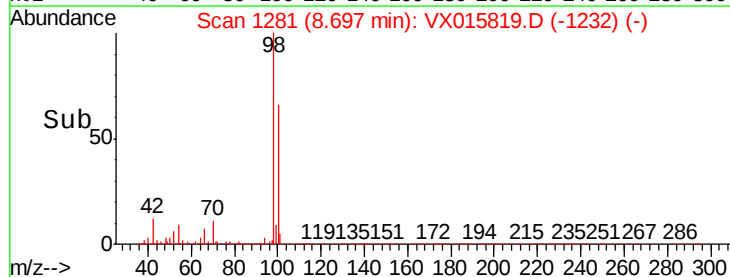
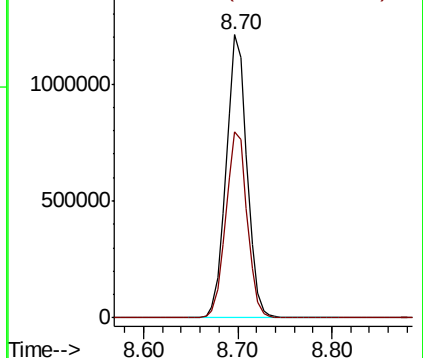
98 100

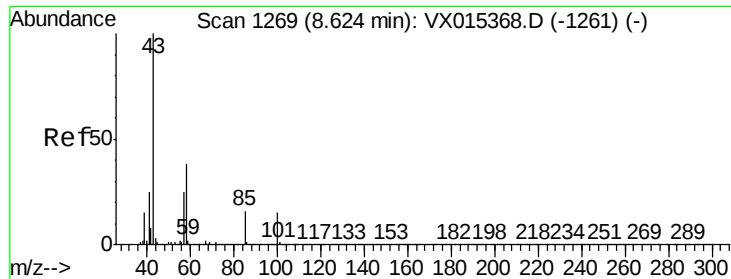
100 67.8 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

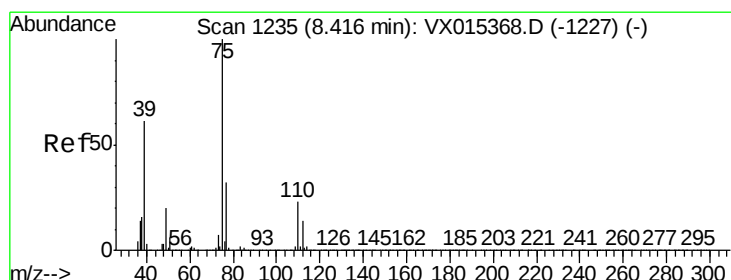
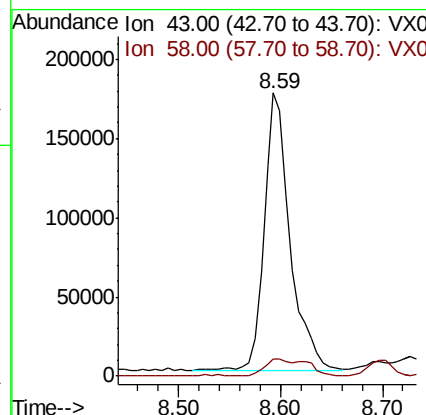
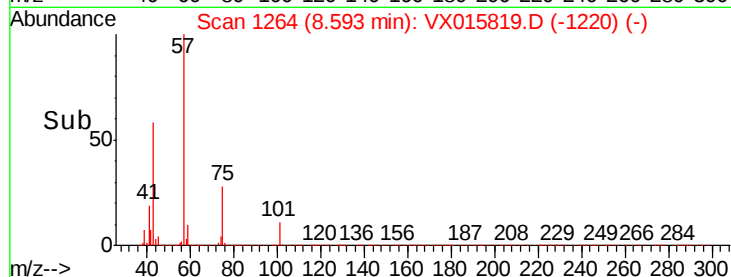
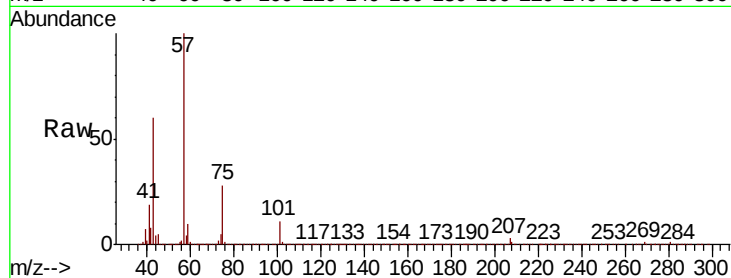




#51
4-Methyl-2-Pentanone
Concen: 17.193 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015819.D
Acq: 22 Apr 2020 01:42

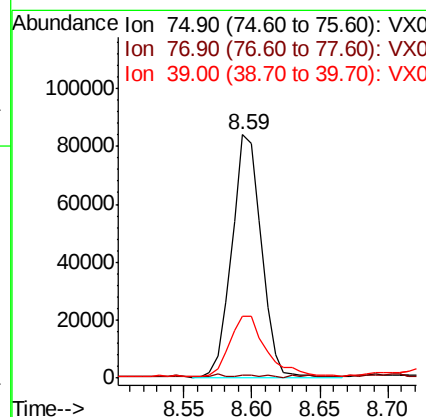
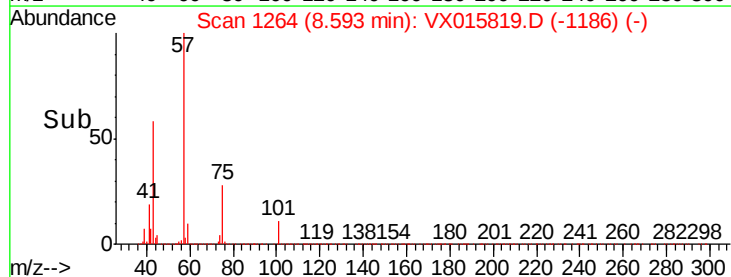
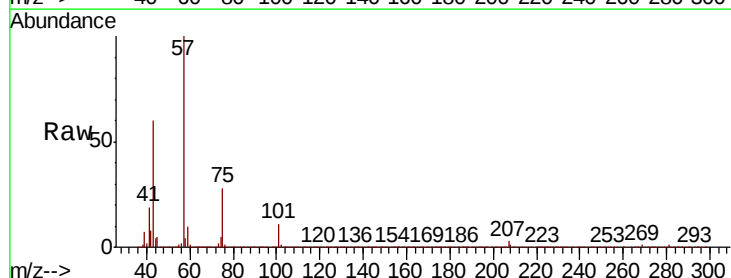
Instrument :
MSVOA_X
ClientSampleId :
TR-05-042020

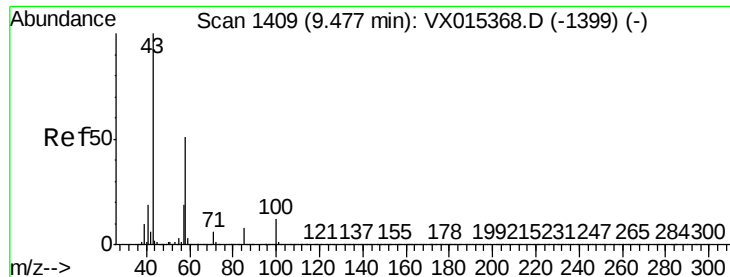
Tot Ion: 43 Resp: 309294
Ion Ratio Lower Upper
43 100
58 6.1 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 6.526 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. 0.18 min
Lab File: VX015819.D
Acq: 22 Apr 2020 01:42

Tgt Ion: 75 Resp: 126111
Ion Ratio Lower Upper
75 100
77 0.2 25.8 38.6#
39 25.1 49.0 73.4#





#59

2-Hexanone

Concen: 21.540 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampled :

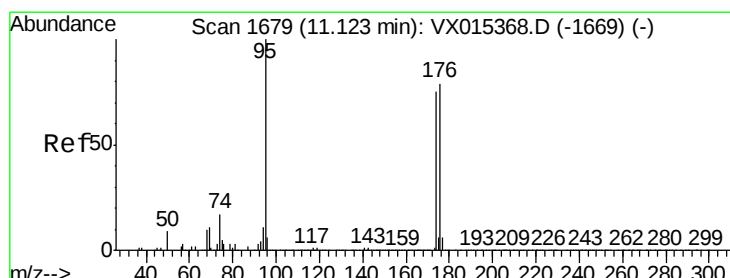
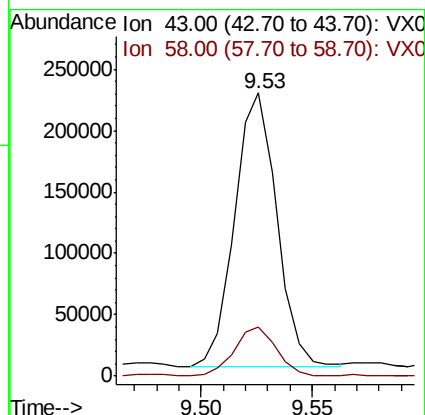
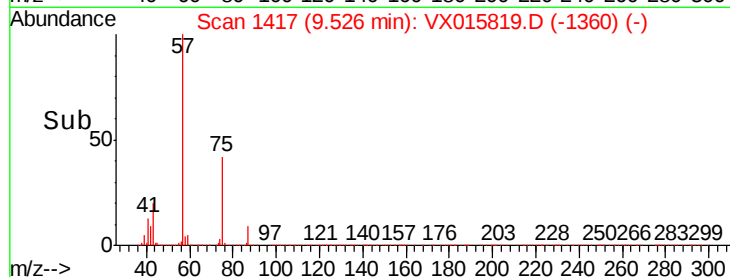
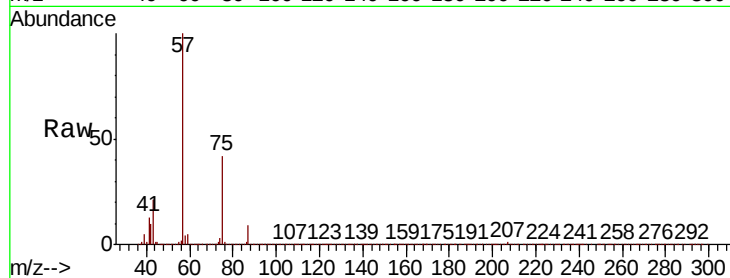
TR-05-042020

Tot Ion: 43 Resp: 292553

Ion Ratio Lower Upper

43 100

58 17.4 25.6 76.6#



#62

4-Bromofluorobenzene

Concen: 51.976 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

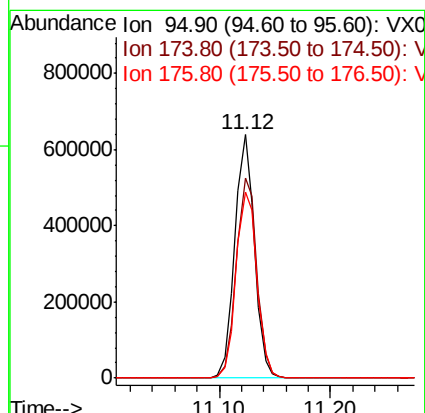
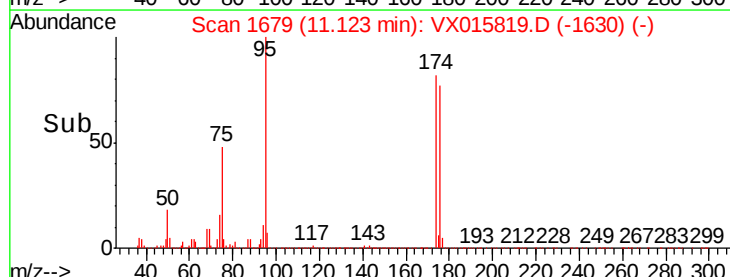
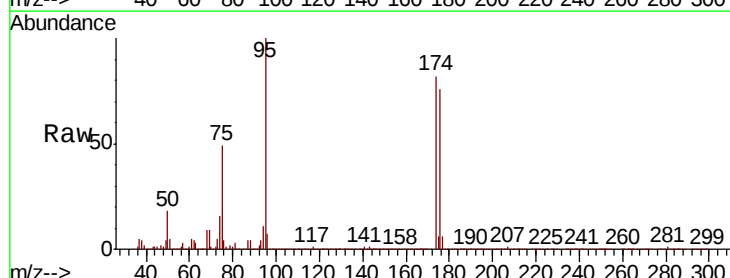
Tgt Ion: 95 Resp: 779184

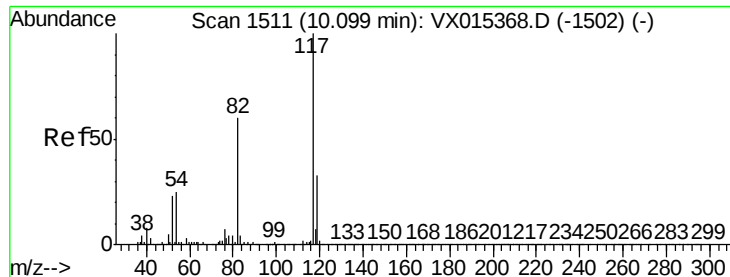
Ion Ratio Lower Upper

95 100

174 86.6 0.0 158.6

176 81.5 0.0 159.0

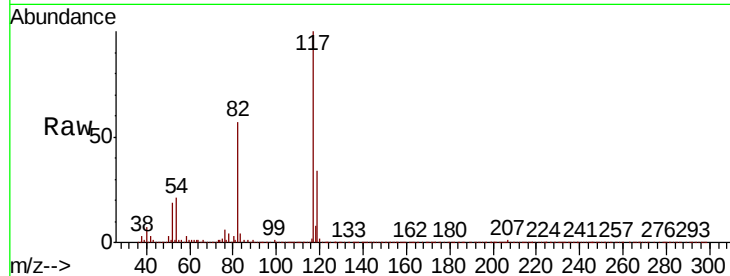




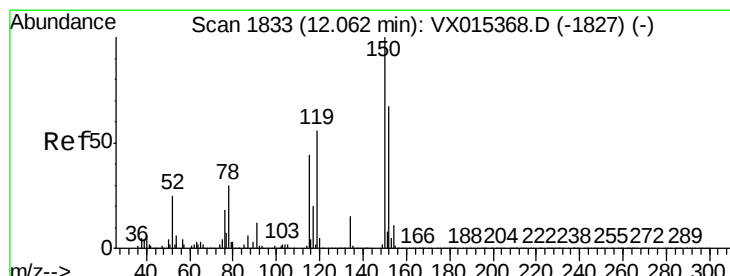
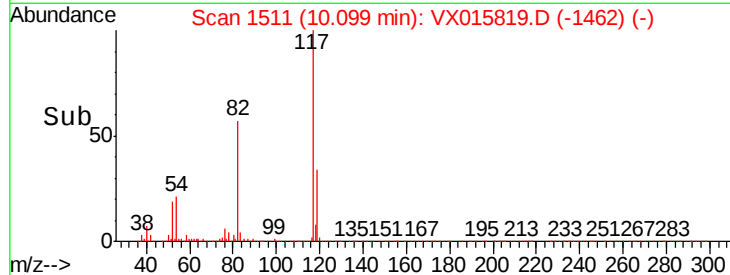
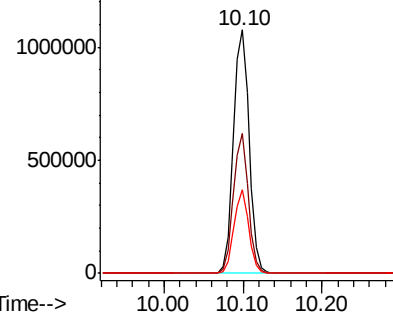
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015819.D
Acq: 22 Apr 2020 01:42

Instrument :
MSVOA_X
ClientSampleId :
TR-05-042020

Tot Ion:117 Resp: 1484798
Ion Ratio Lower Upper
117 100
82 57.3 47.8 71.8
119 34.1 26.8 40.2

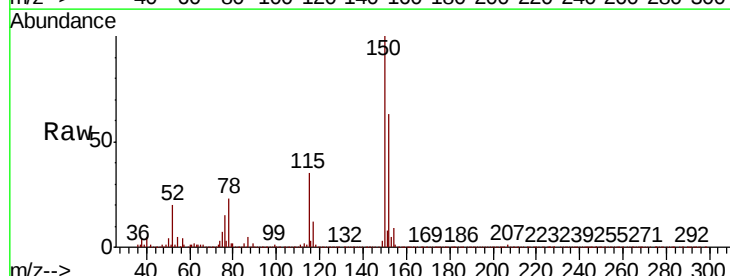


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

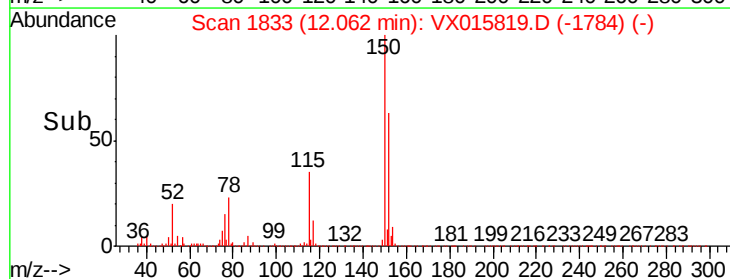
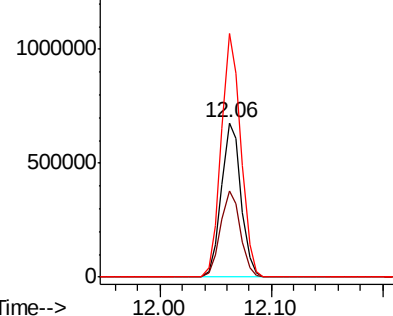


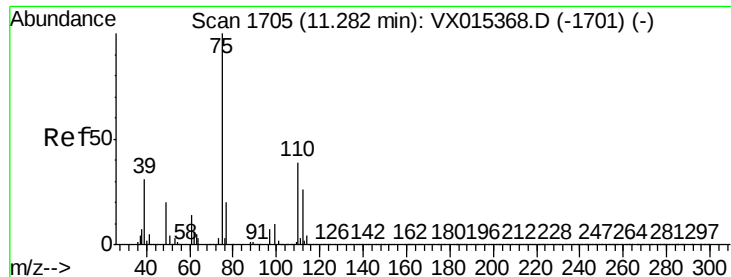
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015819.D
Acq: 22 Apr 2020 01:42

Tgt Ion:152 Resp: 827381
Ion Ratio Lower Upper
152 100
115 56.4 39.0 116.9
150 157.2 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: 22.117 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

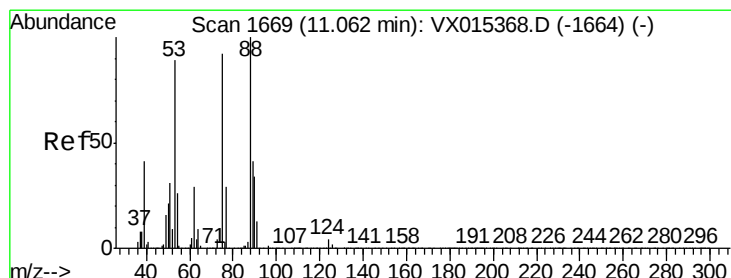
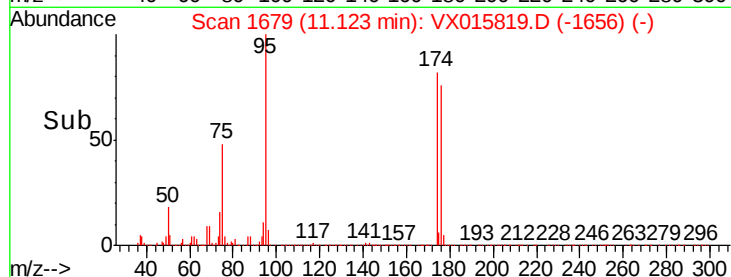
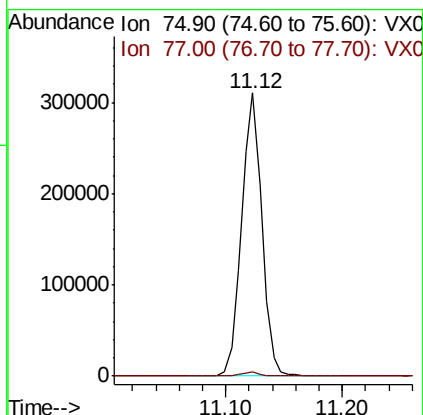
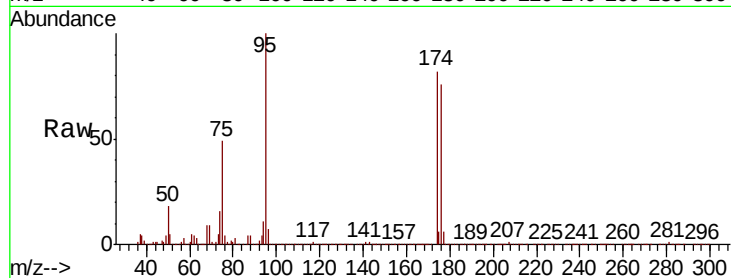
TR-05-042020

Tot Ion: 75 Resp: 376314

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.070 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015819.D

Acq: 22 Apr 2020 01:42

Tgt Ion: 75 Resp: 376314

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#

