

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015808.D
 Acq On : 21 Apr 2020 20:25
 Operator : JC/SP
 Sample : L2347-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-COMP

Quant Time: Apr 22 04:22:17 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	1036641	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.84	114	1589133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1562392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	875112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	579326	39.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.24%	
35) Dibromofluoromethane	5.47	113	461805	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
50) Toluene-d8	8.70	98	1957665	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.12	95	826523	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	

Target Compounds

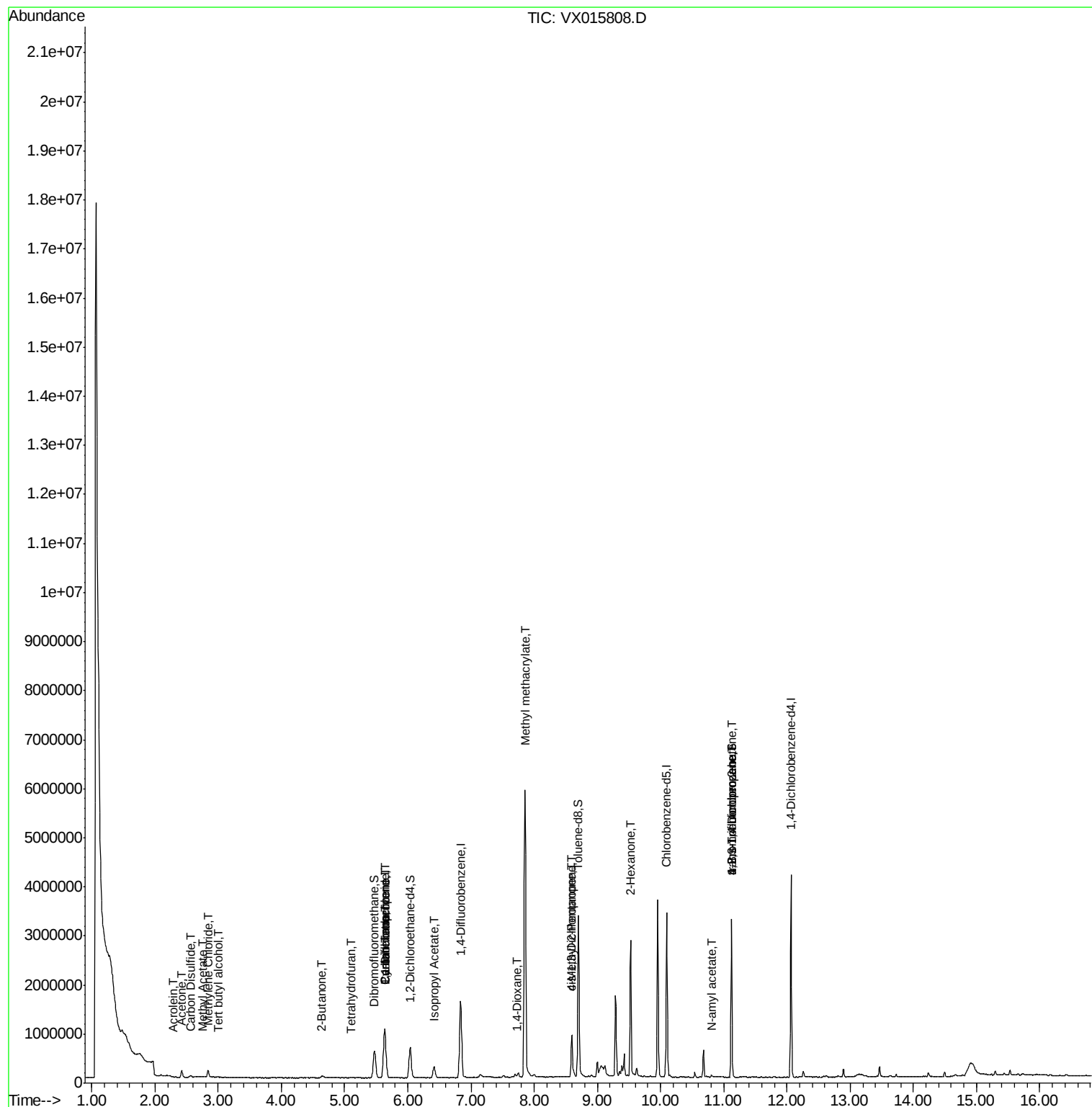
					Qvalue	
5) Bromomethane	1.64	94	768	Below Cal	#	37
11) Tert butyl alcohol	3.00	59	11176	3.194	ug/l	100
13) Acrolein	2.29	56	1017	0.510	ug/l #	73
16) Acetone	2.42	43	167445	26.657	ug/l	97
17) Carbon Disulfide	2.56	76	40769	1.366	ug/l	97
18) Methyl Acetate	2.75	43	25916	1.617	ug/l	94
20) Methylene Chloride	2.84	84	59457	5.068	ug/l	95
25) 2-Butanone	4.64	43	47533	4.705	ug/l	98
29) Tetrahydrofuran	5.10	42	6353	0.978	ug/l #	57
31) Cyclohexane	5.63	56	17286	0.934	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	68447	4.675	ug/l #	54
38) Carbon Tetrachloride	5.64	117	91676	5.781	ug/l #	14
43) Isopropyl Acetate	6.42	43	341079	10.598	ug/l	98
48) Methyl methacrylate	7.86	41	505930	31.472	ug/l #	47
49) 1,4-Dioxane	7.72	88	5461	18.210	ug/l #	79
51) 4-Methyl-2-Pentanone	8.60	43	351548	19.274	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	139311	7.110	ug/l #	48
59) 2-Hexanone	9.53	43	341781	24.820	ug/l #	53
74) N-amyl acetate	10.81	43	32393	1.016	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	395830	21.995	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	395830	52.777	ug/l #	10

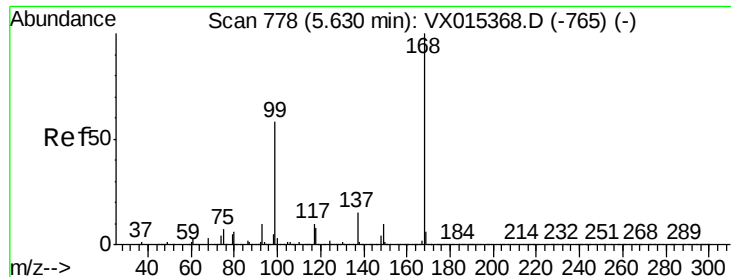
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 22 04:22:17 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# 780

Delta R.T. 0.01 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

Instrument :

MSVOA_X

ClientSampleId :

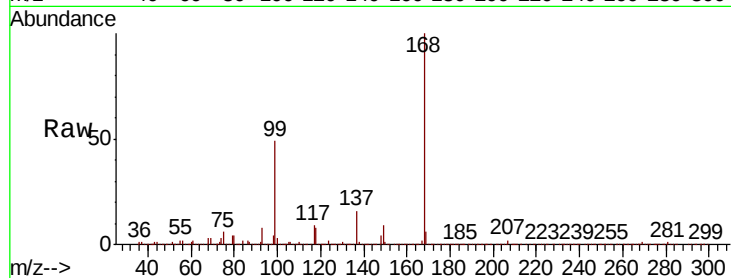
TP-4-COMP

Tot Ion:168 Resp: 1036641

Ion Ratio Lower Upper

168 100

99 49.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

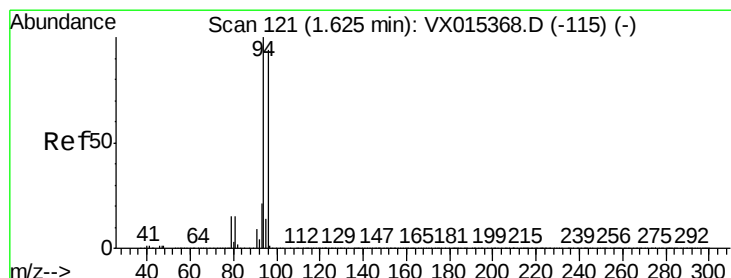
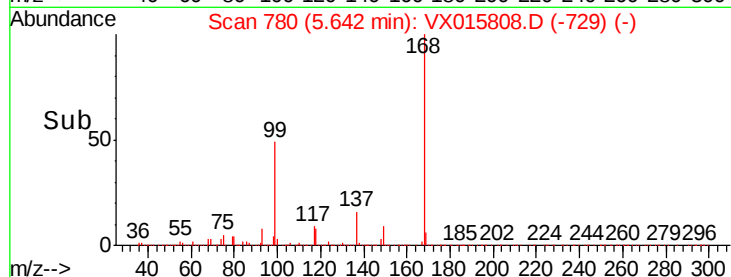
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015808.D

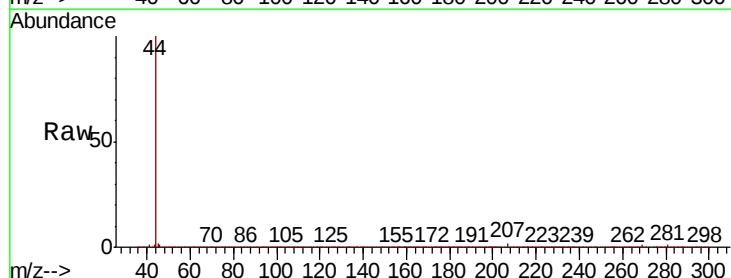
Acq: 21 Apr 2020 20:25

Tgt Ion: 94 Resp: 768

Ion Ratio Lower Upper

94 100

96 33.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

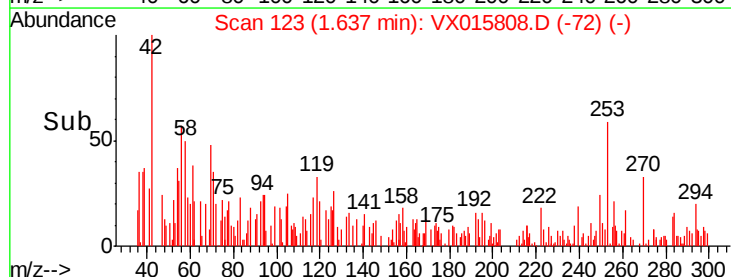
1500

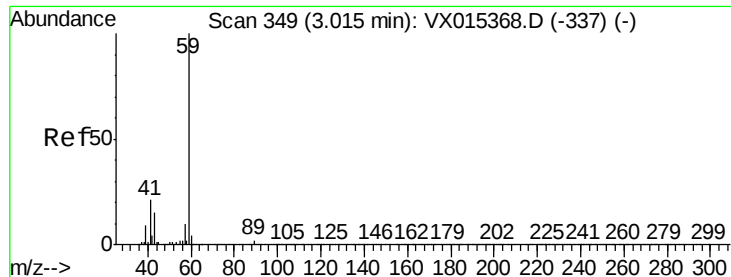
1000

500

0

Time-->

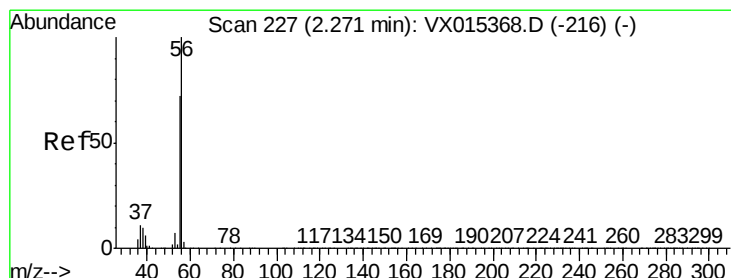
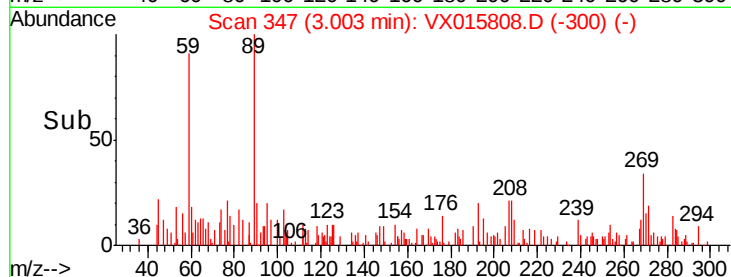
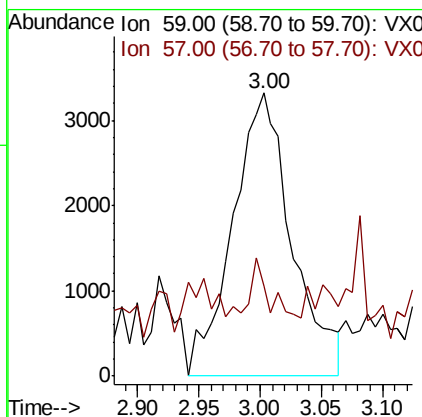
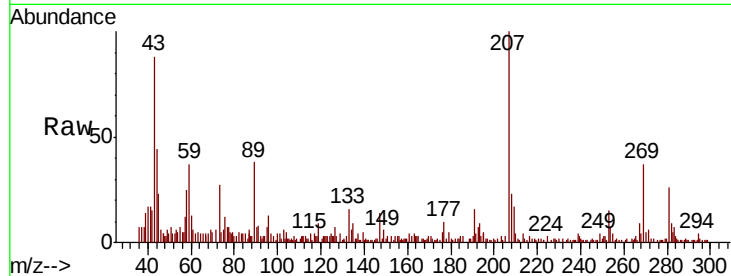




#11
Tert butvl alcohol
Concen: 3.194 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

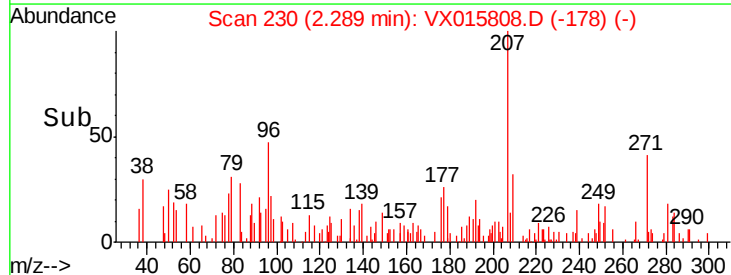
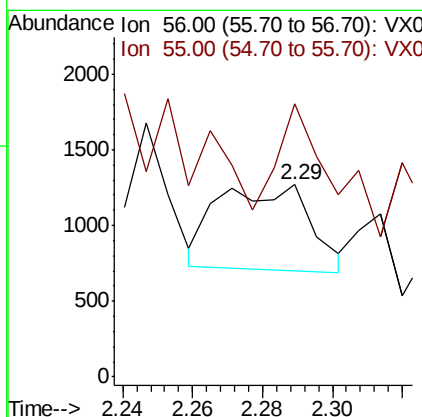
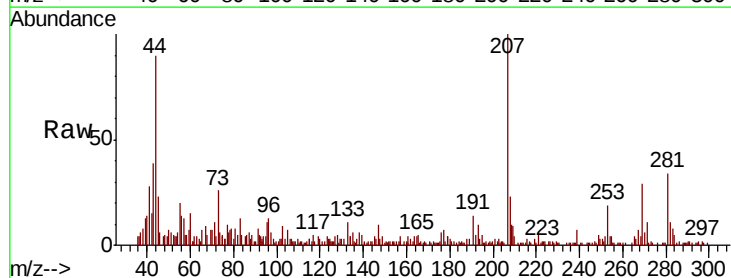
Instrument :
MSVOA_X
ClientSampleId :
TP-4-COMP

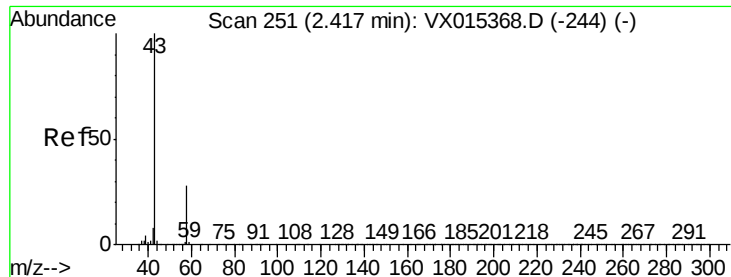
Tot Ion: 59 Resp: 11176
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#13
Acrolein
Concen: 0.510 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.02 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

Tgt Ion: 56 Resp: 1017
Ion Ratio Lower Upper
56 100
55 93.4 57.0 85.4#





#16

Acetone

Concen: 26.657 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

Instrument :

MSVOA_X

ClientSampleId :

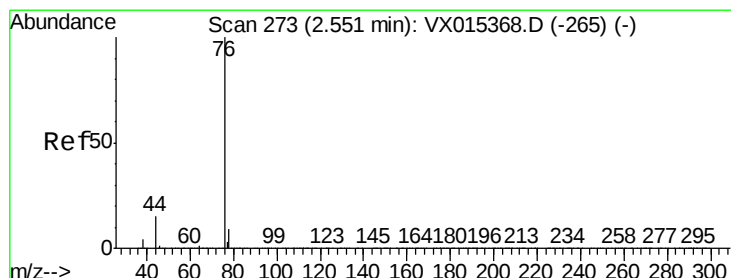
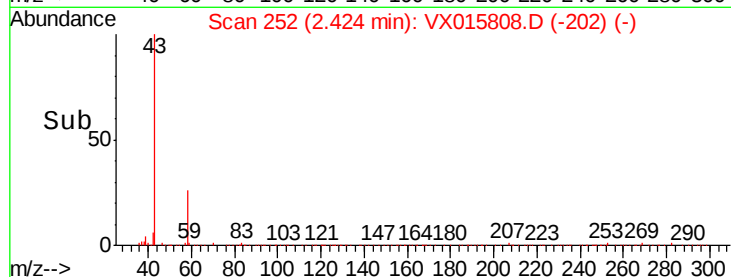
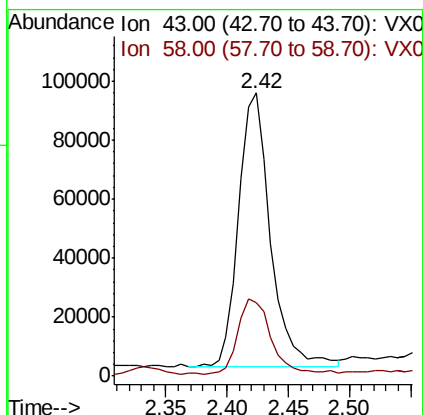
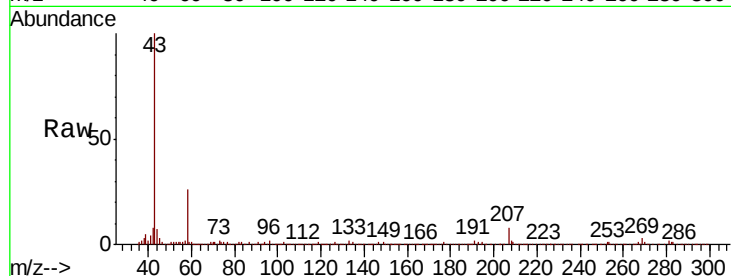
TP-4-COMP

Tot Ion: 43 Resp: 167445

Ion Ratio Lower Upper

43 100

58 26.0 22.1 33.1



#17

Carbon Disulfide

Concen: 1.366 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015808.D

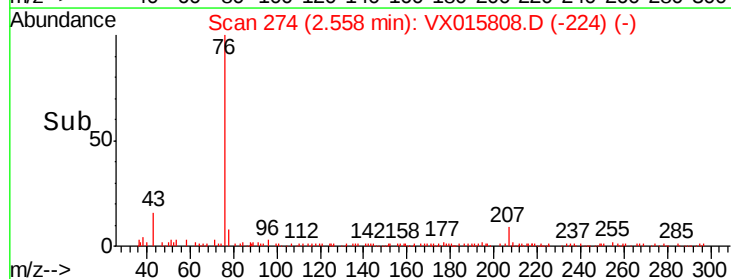
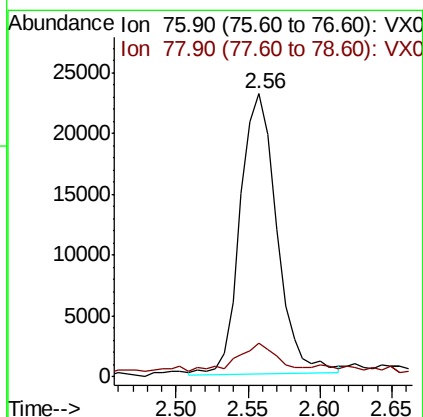
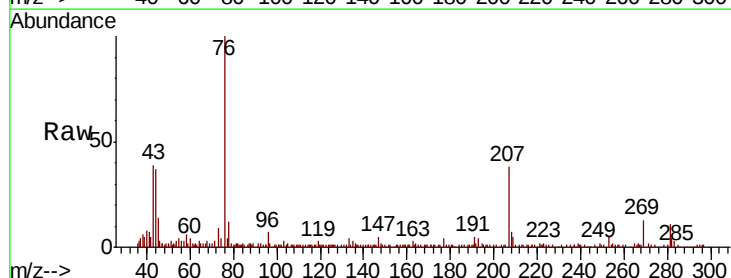
Acq: 21 Apr 2020 20:25

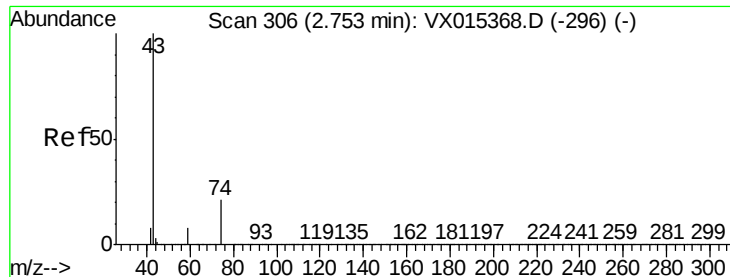
Tgt Ion: 76 Resp: 40769

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7

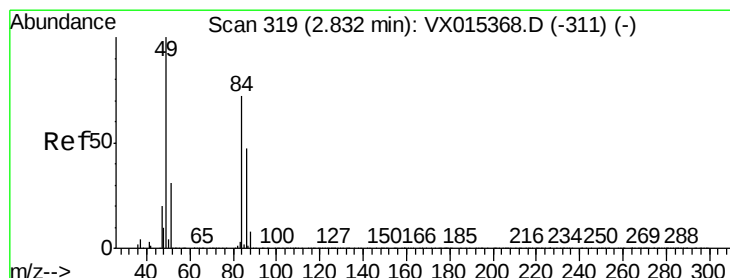
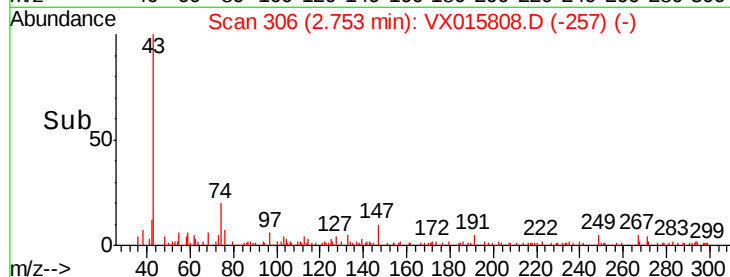
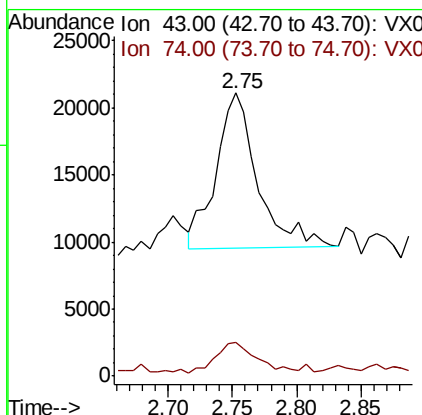
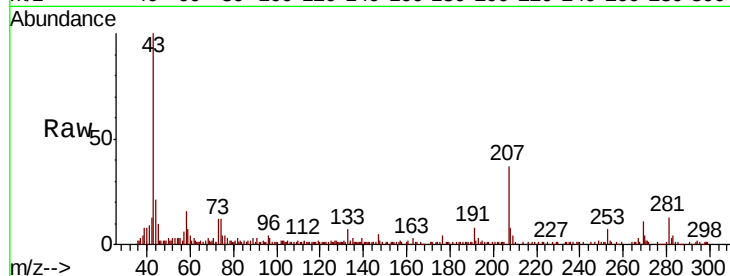




#18
Methvl Acetate
Concen: 1.617 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

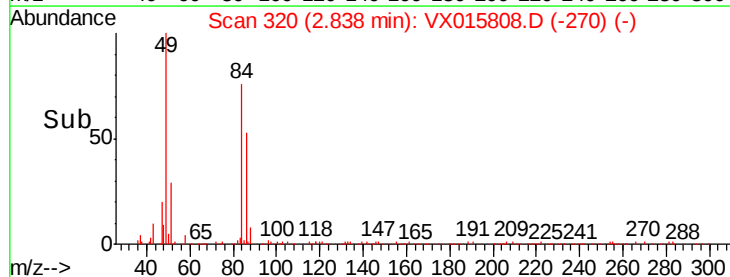
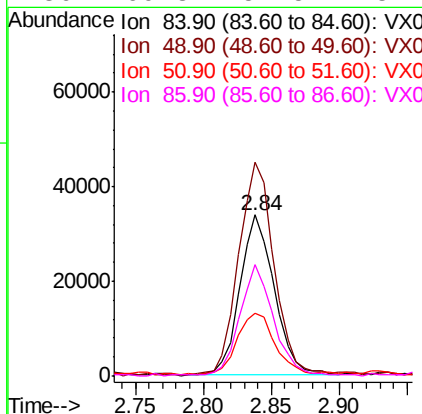
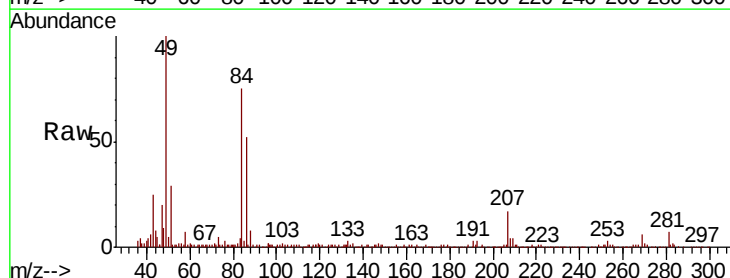
Instrument :
MSVOA_X
ClientSampleId :
TP-4-COMP

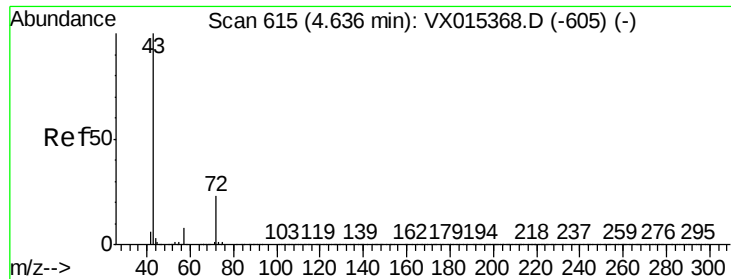
Tot Ion: 43 Resp: 25916
Ion Ratio Lower Upper
43 100
74 17.8 16.5 24.7



#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

Tgt Ion: 84 Resp: 59457
Ion Ratio Lower Upper
84 100
49 133.6 111.3 166.9
51 38.3 34.0 51.0
86 69.3 52.5 78.7





#25

2-Butanone

Concen: 4.705 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

Instrument :

MSVOA_X

ClientSampleId :

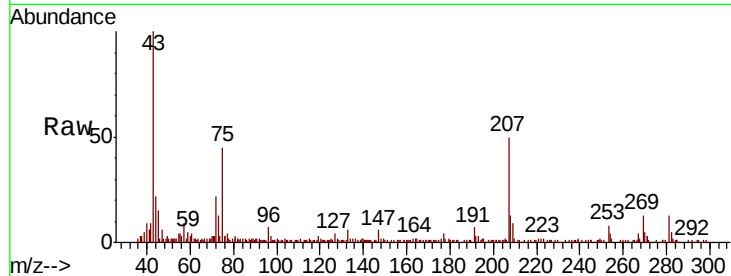
TP-4-COMP

Tot Ion: 43 Resp: 47533

Ion Ratio Lower Upper

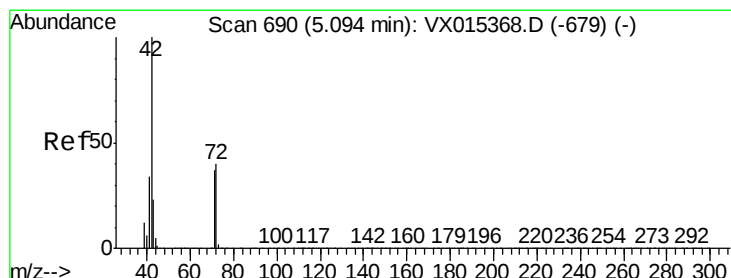
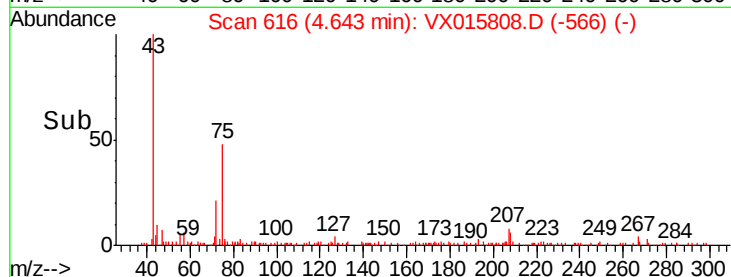
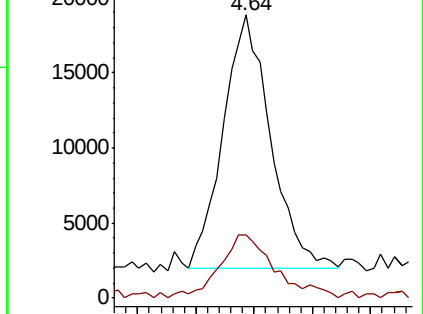
43 100

72 24.9 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.978 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

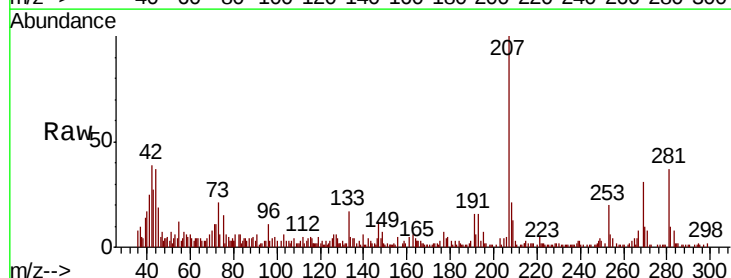
Tgt Ion: 42 Resp: 6353

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

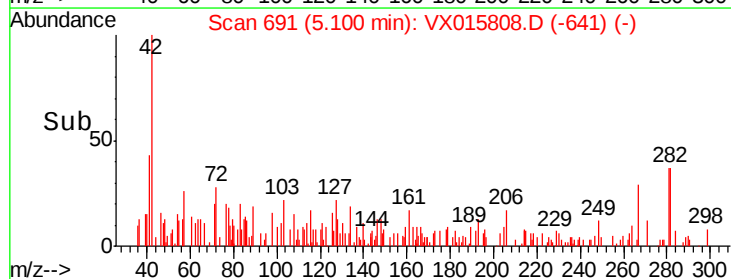
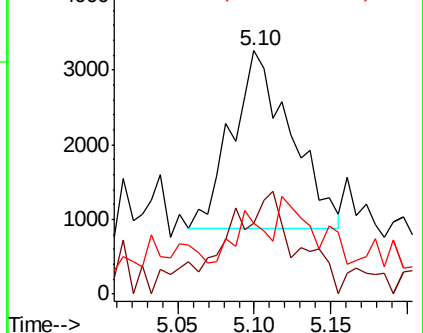
71 24.5 29.6 44.4#

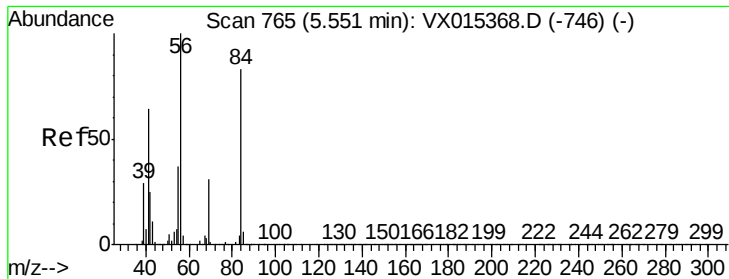


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

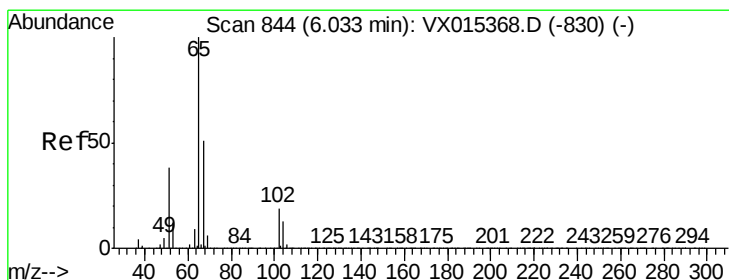
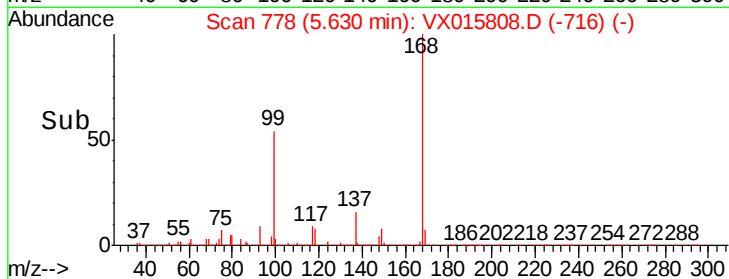
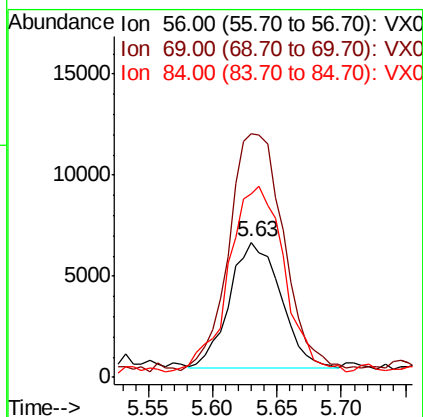
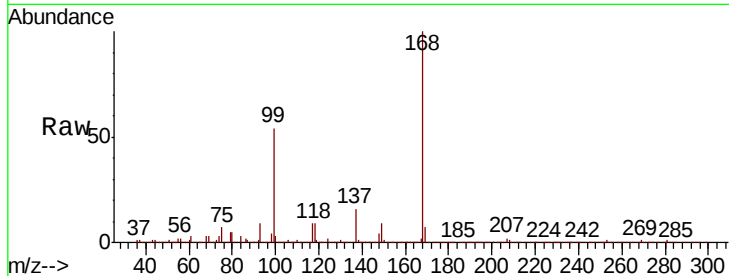




#31
Cyclohexane
Concen: 0.934 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

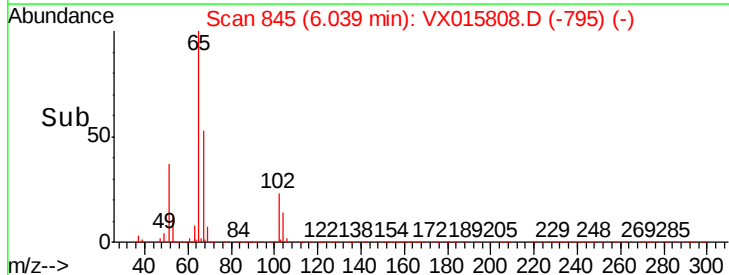
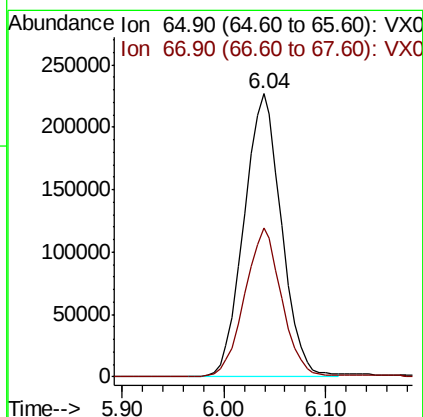
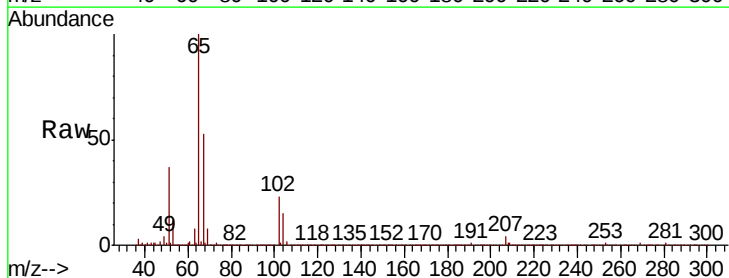
Instrument :
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ClientSampleId :
TP-4-COMP

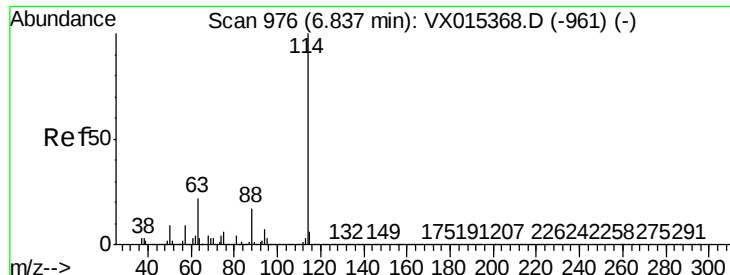
Tot Ion: 56 Resp: 17286
Ion Ratio Lower Upper
56 100
69 184.2 24.6 36.8#
84 136.9 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 39.624 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

Tgt Ion: 65 Resp: 579326
Ion Ratio Lower Upper
65 100
67 51.7 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: VX015808.D

Acq: 21 Apr 2020 20:25

Instrument :

MSVOA_X

ClientSampleId :

TP-4-COMP

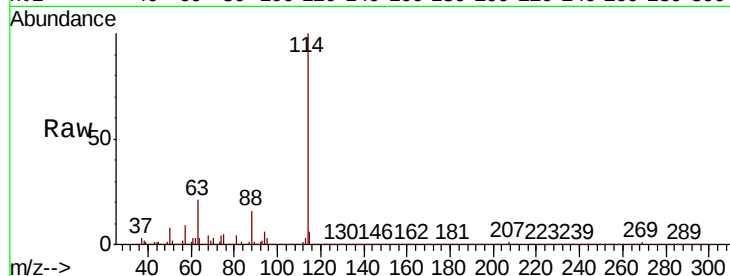
Tot Ion:114 Resp: 1589133

Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.2

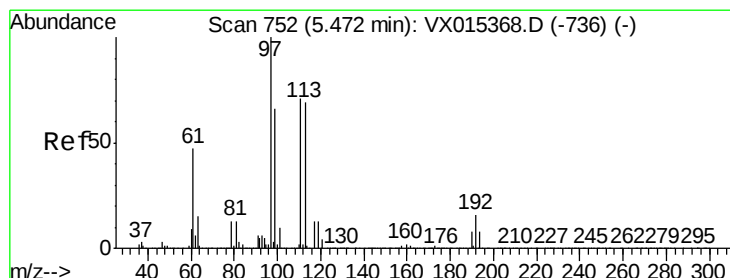
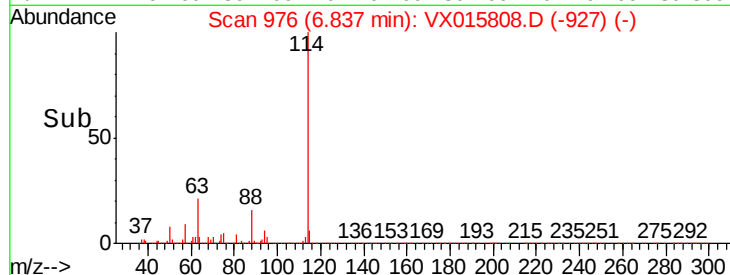
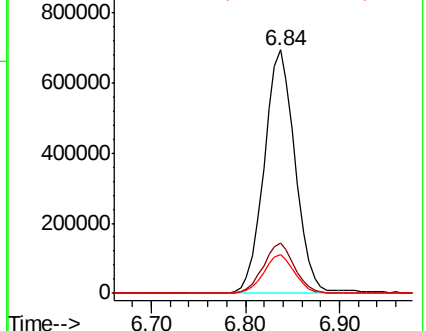
88 16.0 0.0 33.8



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: 45.461 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

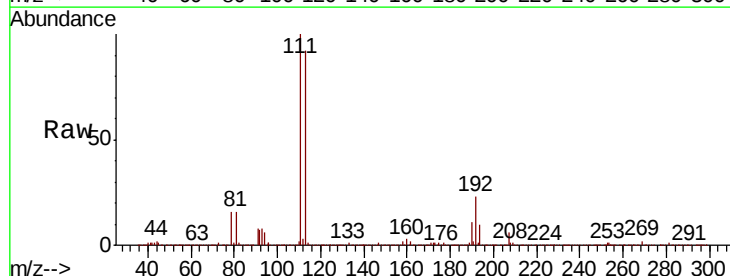
Tgt Ion:113 Resp: 461805

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

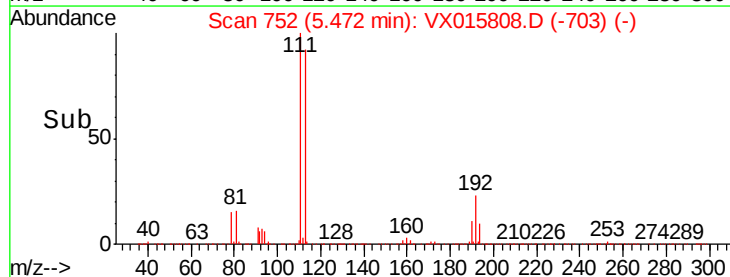
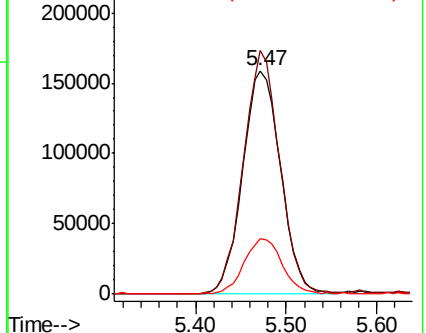
192 24.5 17.8 26.6

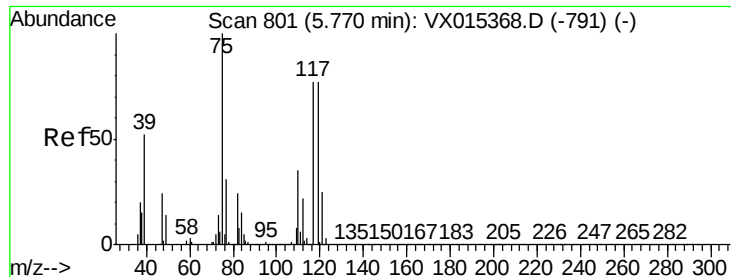


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

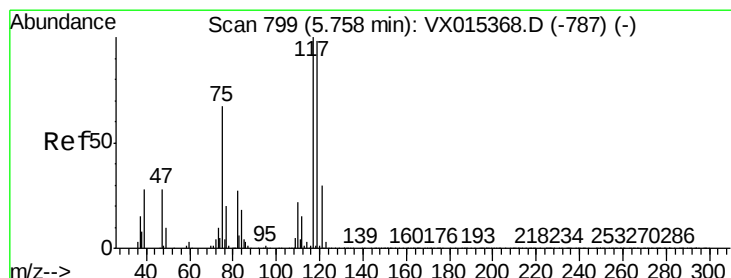
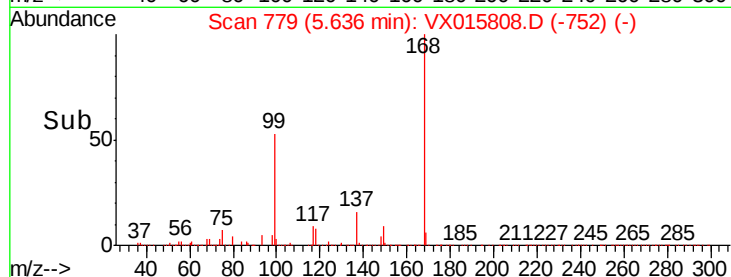
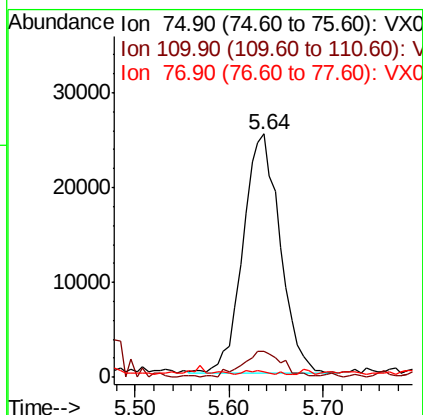
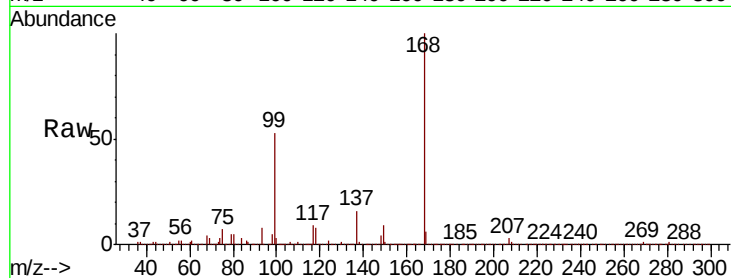




#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015808.D
 Acq: 21 Apr 2020 20:25

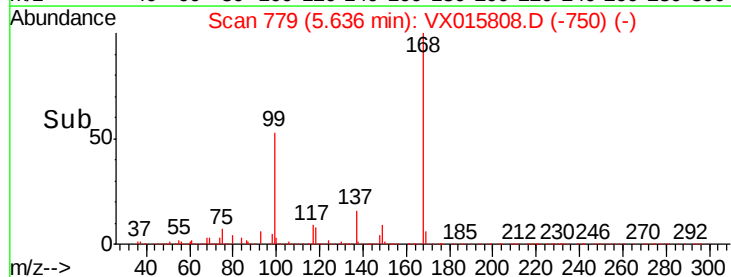
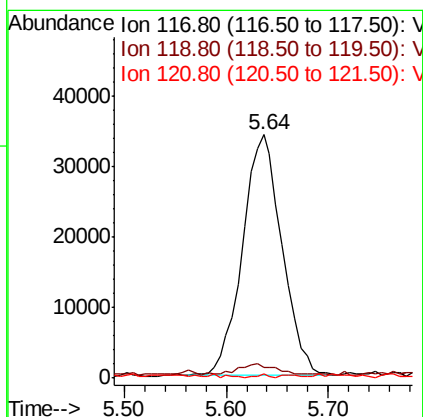
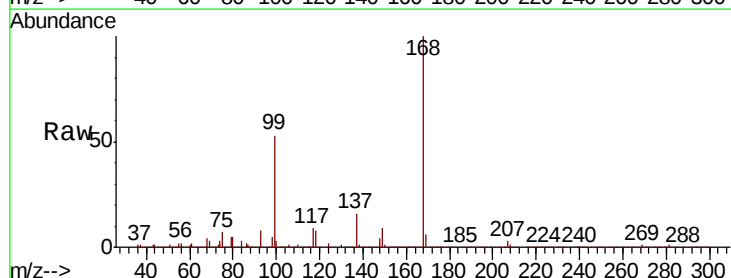
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-COMP

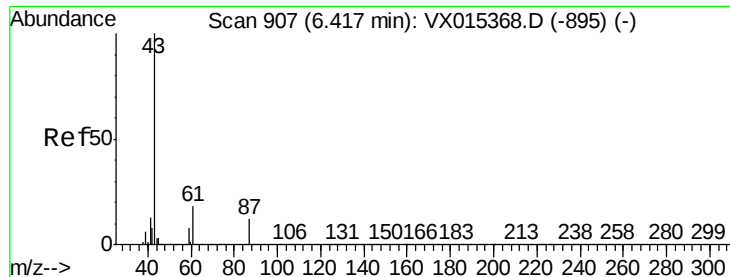
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.1	17.1	51.3#
77	0.8	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.781 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015808.D
 Acq: 21 Apr 2020 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.0	78.0	117.0#
121	0.8	23.8	35.8#



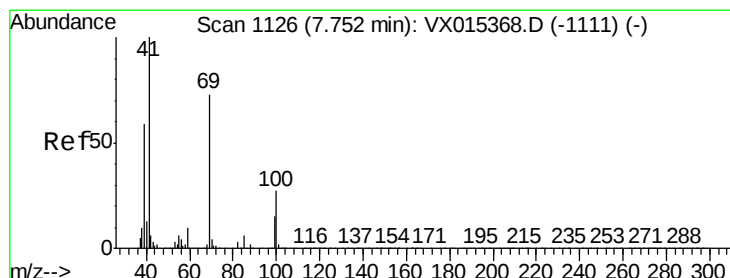
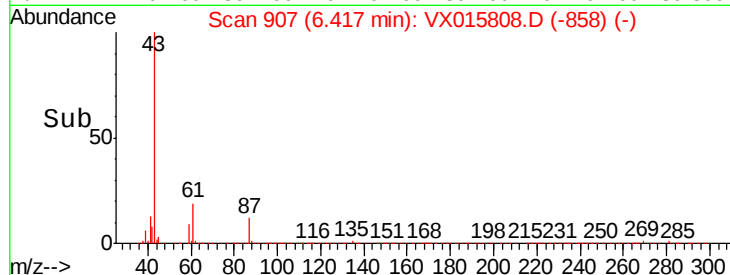
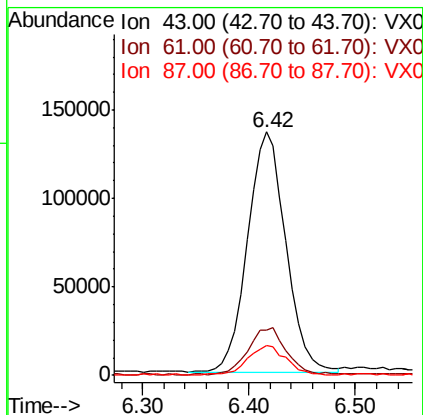
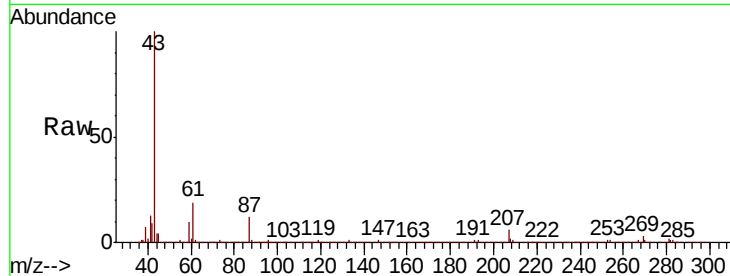


#43

Isopropyl Acetate
 Concen: 10.598 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015808.D
 Acq: 21 Apr 2020 20:25

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-COMP

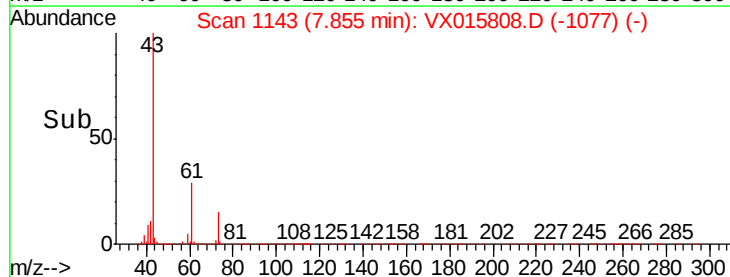
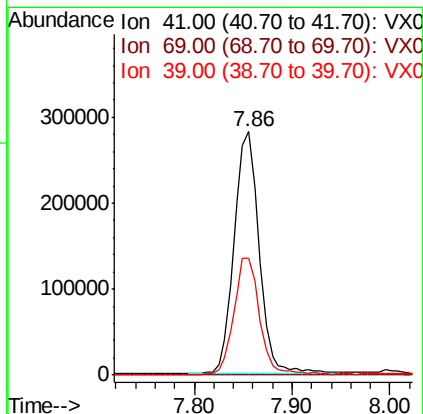
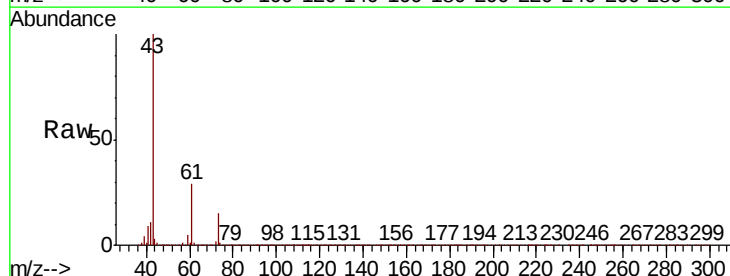
Tot Ion:	43	Resp:	341079
Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.8	22.2
87	12.4	9.4	14.0

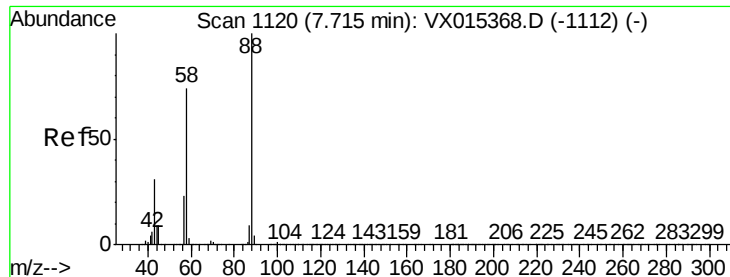


#48

Methyl methacrylate
 Concen: 31.472 ug/l
 RT: 7.86 min Scan# 1143
 Delta R.T. 0.10 min
 Lab File: VX015808.D
 Acq: 21 Apr 2020 20:25

Tgt Ion:	41	Resp:	505930
Ion	Ratio	Lower	Upper
41	100		
69	0.2	56.7	85.1#
39	48.9	46.5	69.7





#49

1,4-Dioxane

Concen: 18.210 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

Instrument :

MSVOA_X

ClientSampleId :

TP-4-COMP

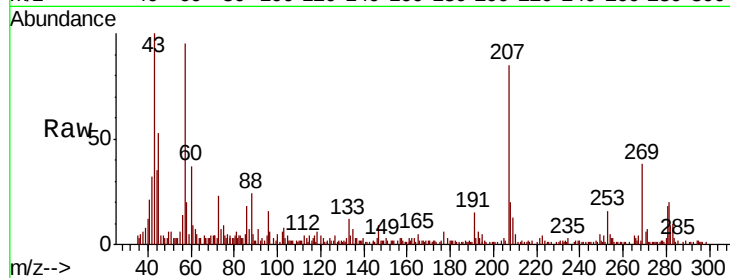
Tot Ion: 88 Resp: 5461

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

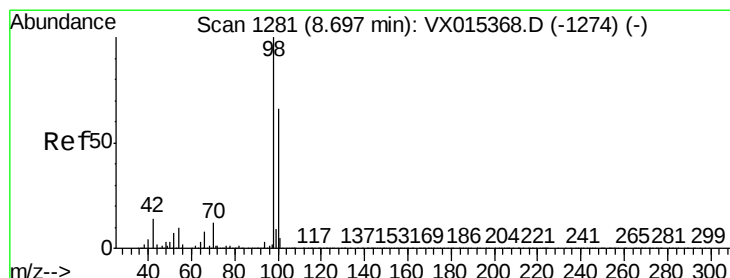
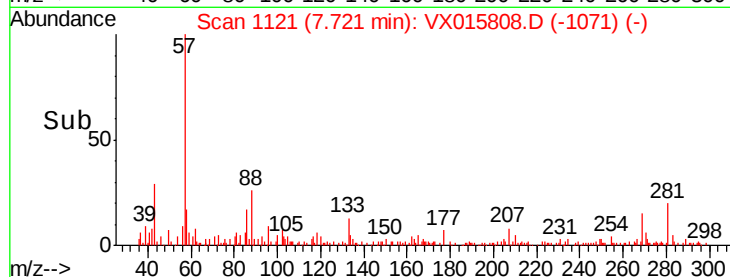
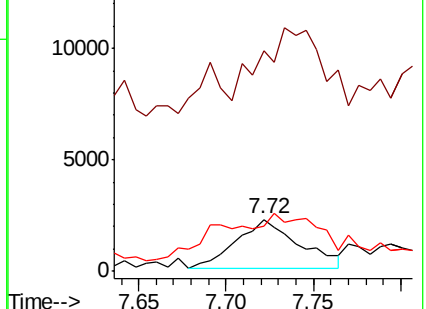
58 74.9 60.6 90.8



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: 52.344 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015808.D

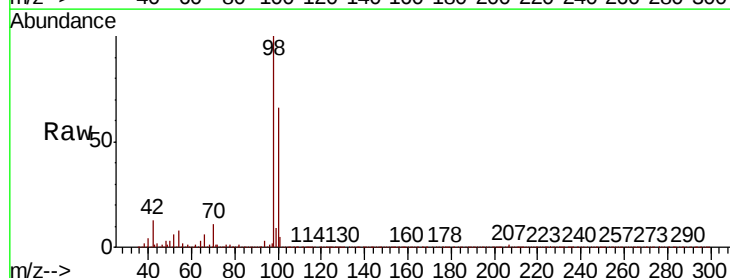
Acq: 21 Apr 2020 20:25

Tgt Ion: 98 Resp: 1957665

Ion Ratio Lower Upper

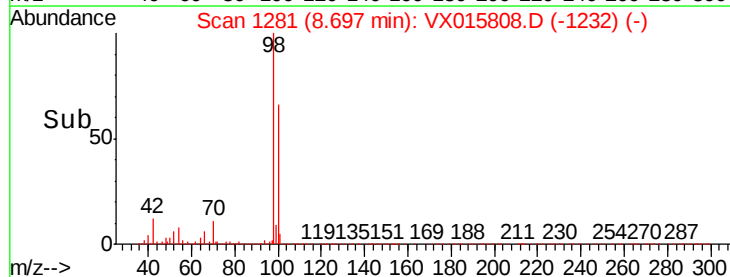
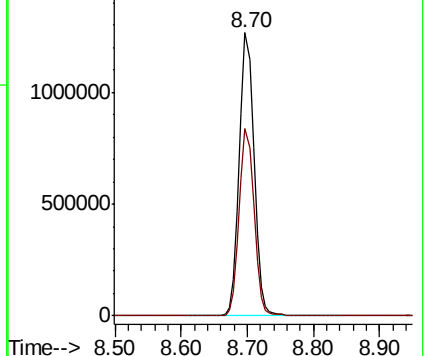
98 100

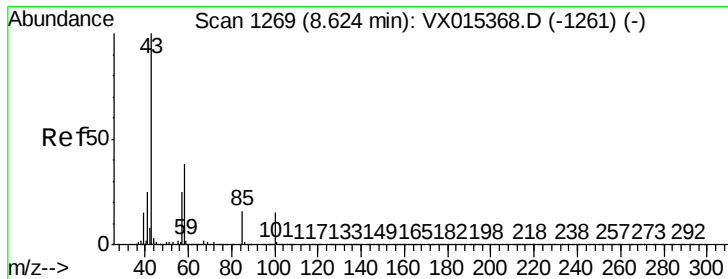
100 66.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 19.274 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

Instrument :

MSVOA_X

ClientSampleId :

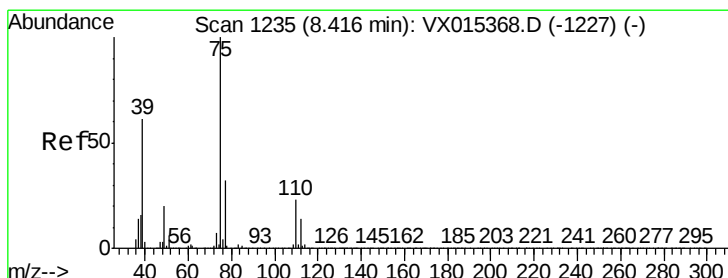
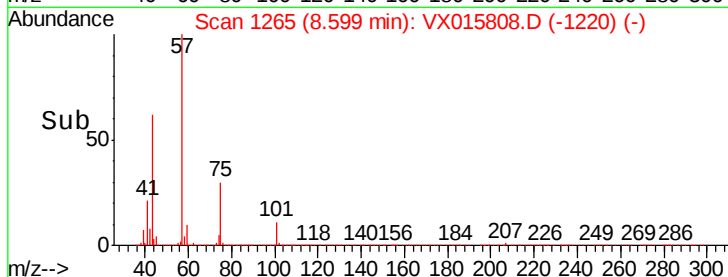
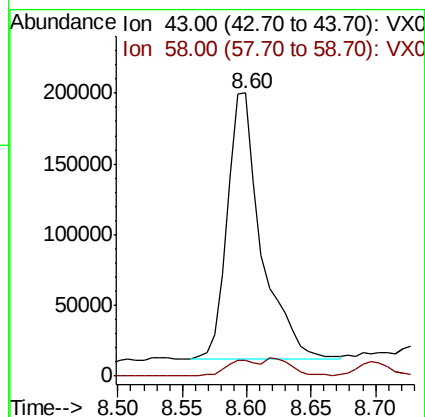
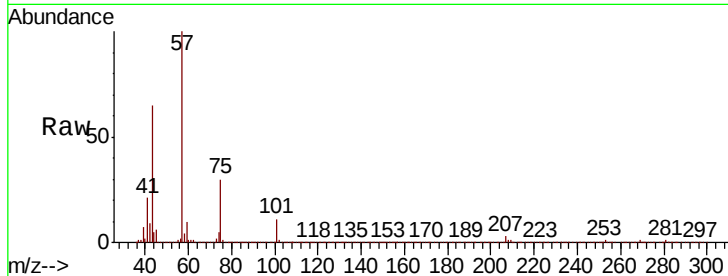
TP-4-COMP

Tot Ion: 43 Resp: 351548

Ion Ratio Lower Upper

43 100

58 5.5 29.7 44.5#



#54

cis-1,3-Dichloropropene

Concen: 7.110 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

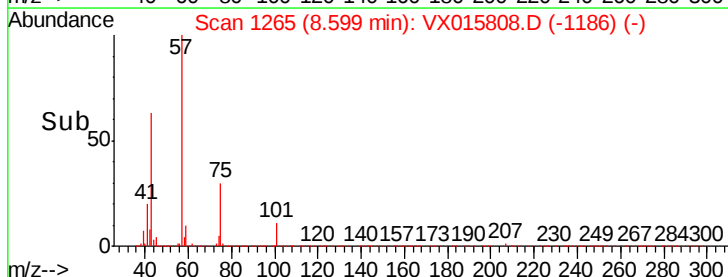
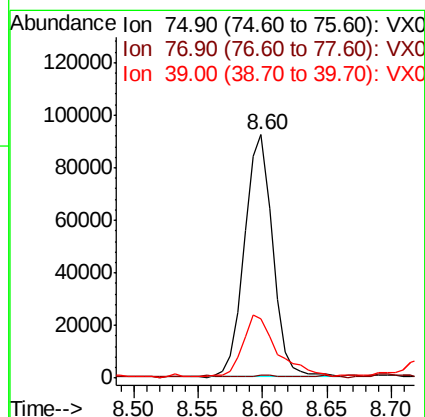
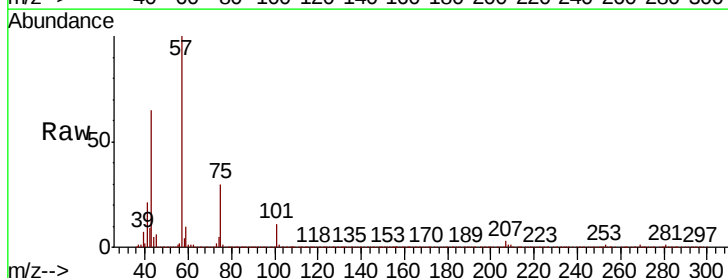
Tgt Ion: 75 Resp: 139311

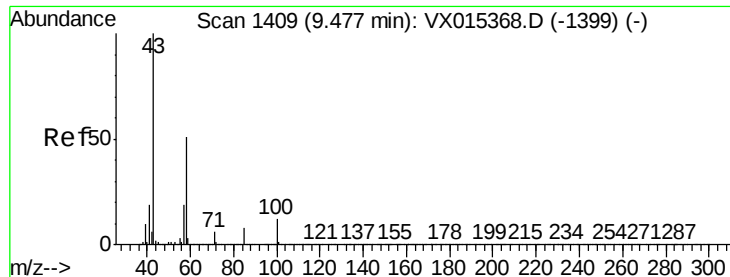
Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

39 23.7 49.0 73.4#

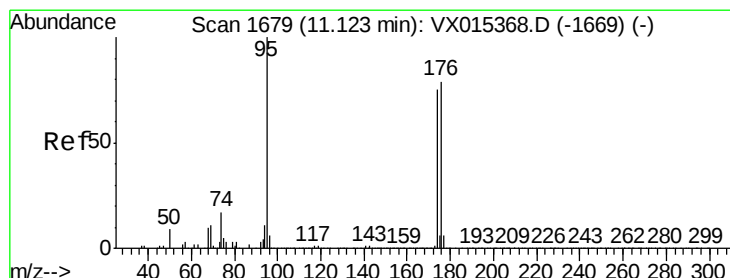
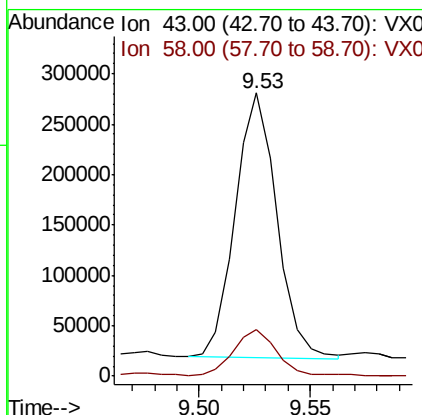
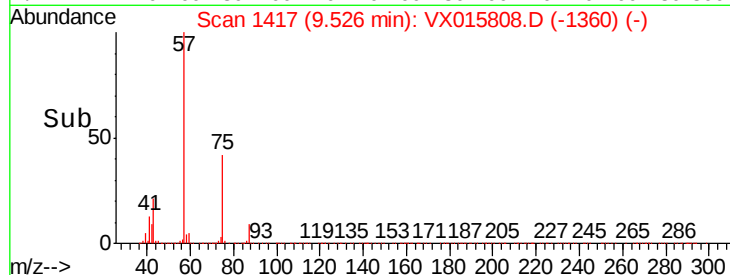
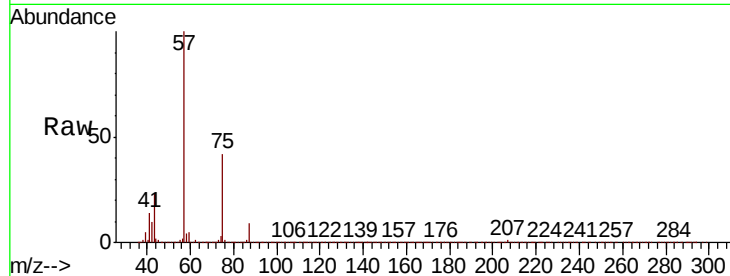




#59
2-Hexanone
Concen: 24.820 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

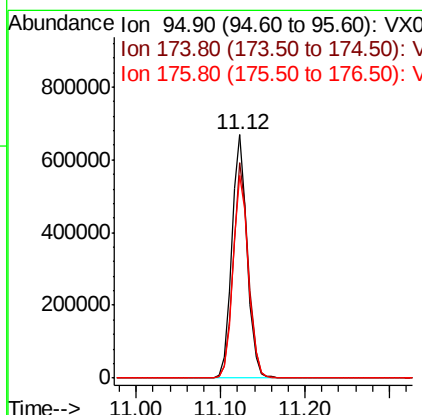
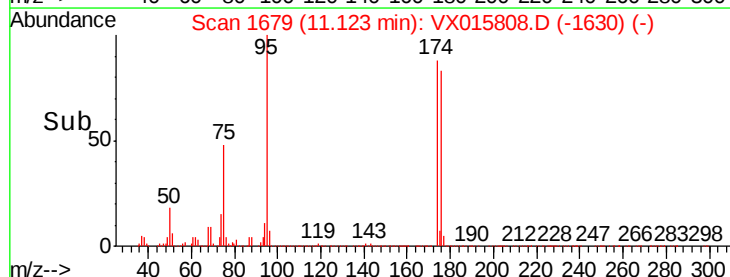
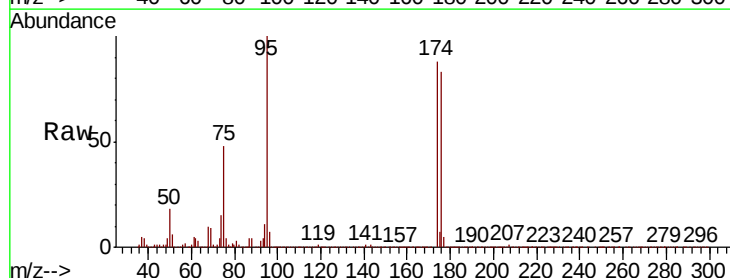
Instrument :
MSVOA_X
ClientSampleId :
TP-4-COMP

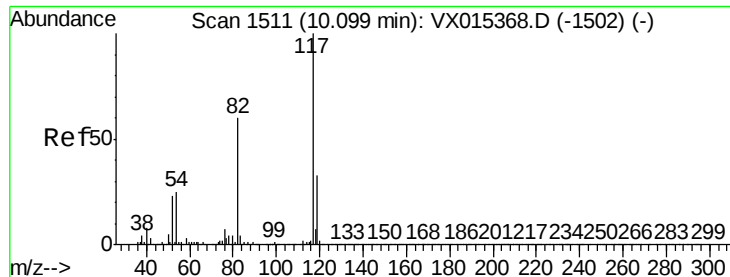
Tot Ion: 43 Resp: 341781
Ion Ratio Lower Upper
43 100
58 18.0 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 54.379 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

Tgt Ion: 95 Resp: 826523
Ion Ratio Lower Upper
95 100
174 87.7 0.0 158.6
176 84.3 0.0 159.0

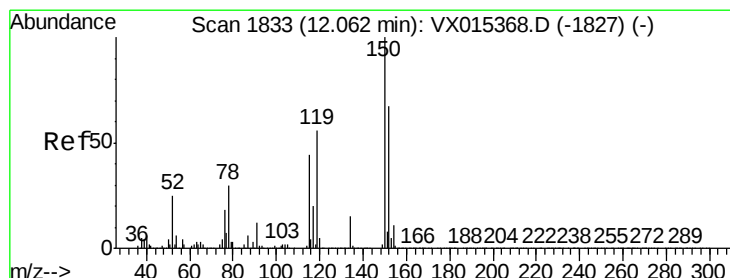
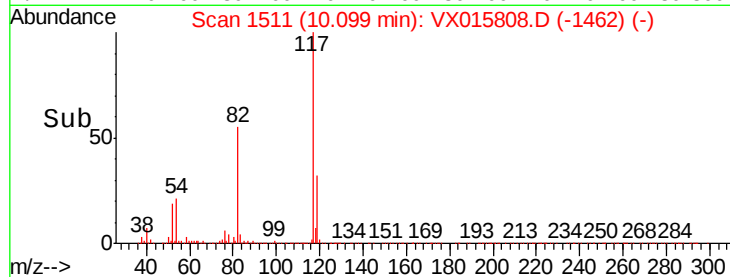
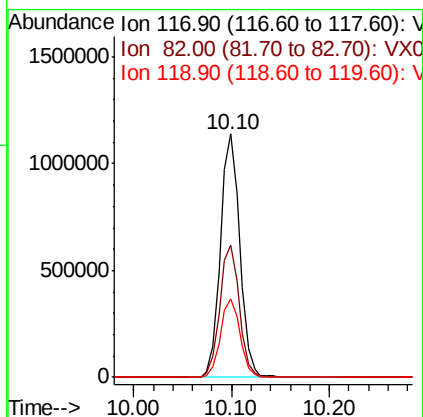
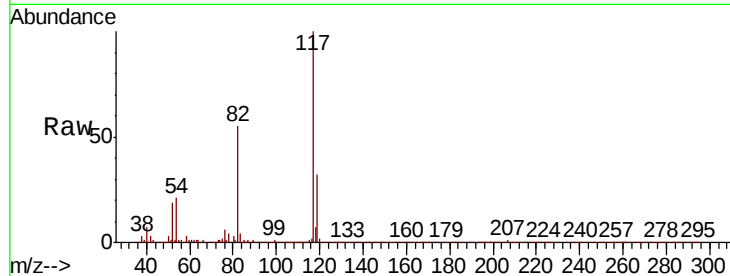




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

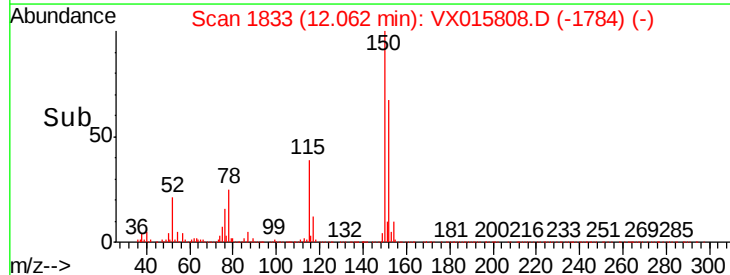
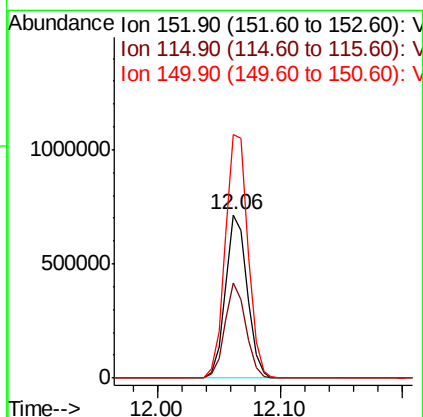
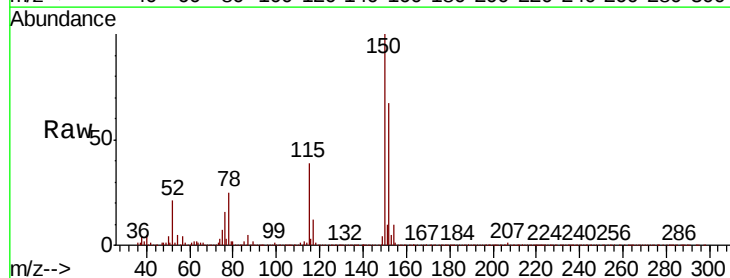
Instrument :
MSVOA_X
ClientSampleId :
TP-4-COMP

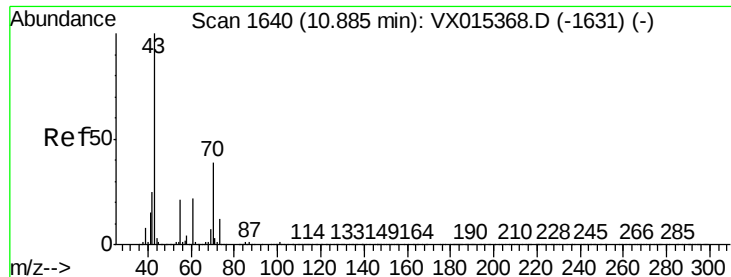
Tot Ion:117 Resp: 1562392
Ion Ratio Lower Upper
117 100
82 54.5 47.8 71.8
119 32.1 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015808.D
Acq: 21 Apr 2020 20:25

Tgt Ion:152 Resp: 875112
Ion Ratio Lower Upper
152 100
115 56.3 39.0 116.9
150 155.5 0.0 340.8





#74

N-amvl acetate

Concen: 1.016 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.08 min

Lab File: VX015808.D

Acq: 21 Apr 2020 20:25

Instrument :

MSVOA_X

ClientSampleId :

TP-4-COMP

Tot Ion: 43 Resp: 32393

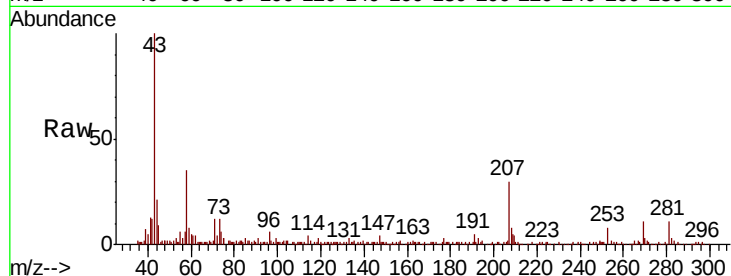
Ion Ratio Lower Upper

43 100

70 1.1 30.2 45.4#

55 5.6 16.8 25.2#

61 0.0 18.2 27.2#

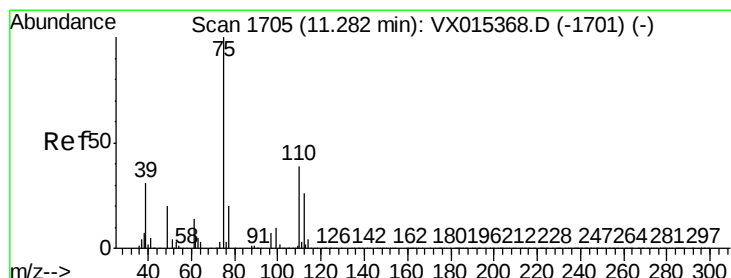
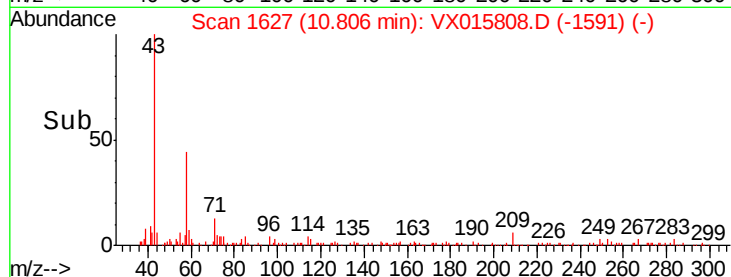
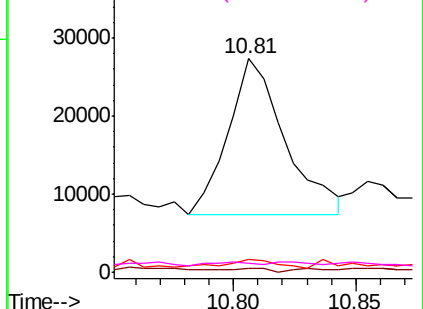


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.995 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015808.D

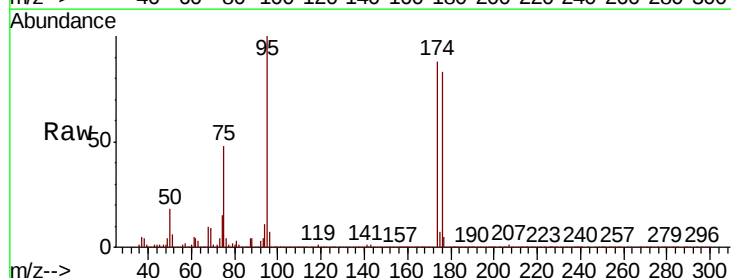
Acq: 21 Apr 2020 20:25

Tgt Ion: 75 Resp: 395830

Ion Ratio Lower Upper

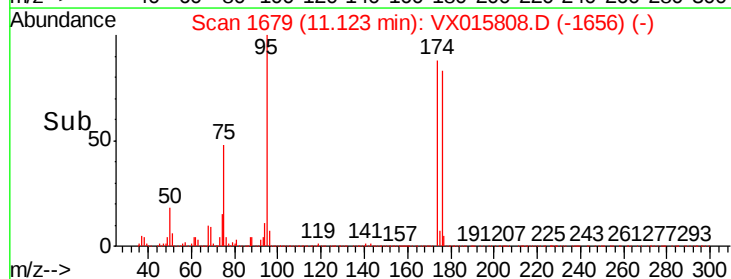
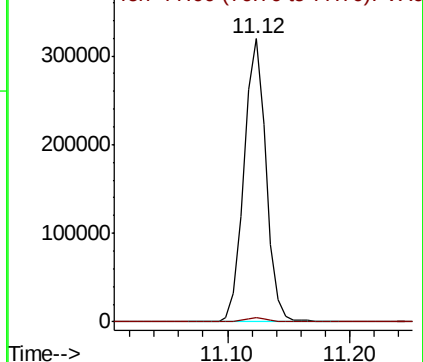
75 100

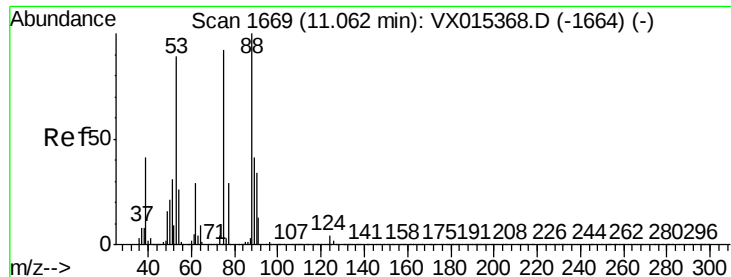
77 1.3 21.2 63.6#



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: 52.777 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015808.D
 Acq: 21 Apr 2020 20:25

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-COMP

Tot Ion: 75 Resp: 395830
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 36.1 54.1#

