

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015799.D
 Acq On : 21 Apr 2020 17:02
 Operator : JC/SP
 Sample : L2327-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-S

Quant Time: Apr 22 04:20:06 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	1053955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1617366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1522714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	879611	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	594731	40.01	ug/l	0.00
Spiked Amount			Recovery	=	80.02%	
35) Dibromofluoromethane	5.48	113	484818	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	8.70	98	1922154	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.12	95	804299	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	

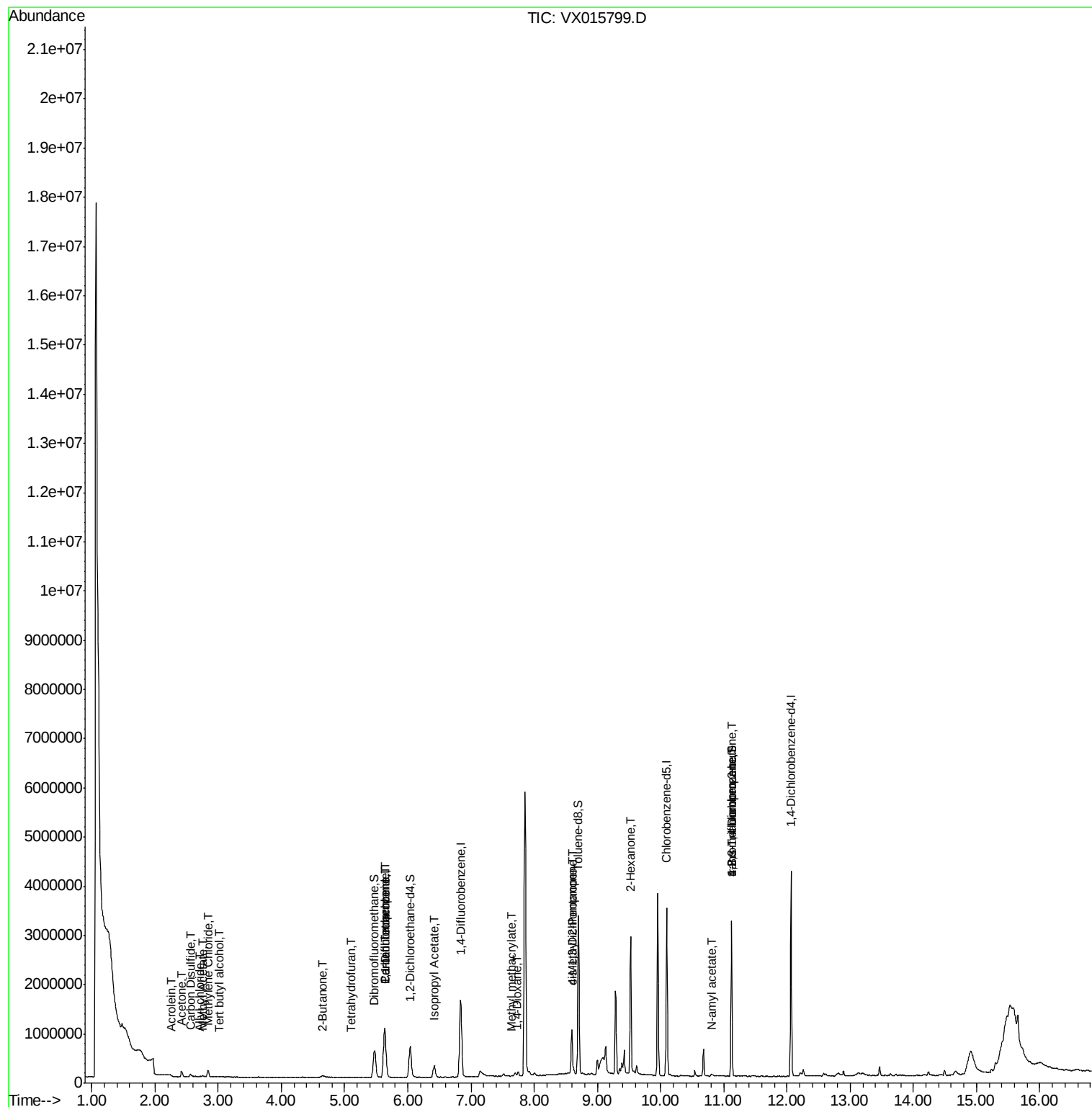
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	447	Below Cal	#	22
11) Tert butyl alcohol	3.01	59	5249	1.475	ug/l	96
13) Acrolein	2.27	56	1126	0.556	ug/l	95
14) Allyl chloride	2.70	41	6368	0.274	ug/l #	54
16) Acetone	2.42	43	163551	25.610	ug/l	95
17) Carbon Disulfide	2.56	76	85640	2.821	ug/l	96
18) Methyl Acetate	2.75	43	22095	1.356	ug/l	93
20) Methylene Chloride	2.84	84	58041	4.866	ug/l	95
25) 2-Butanone	4.64	43	31196	3.037	ug/l	95
29) Tetrahydrofuran	5.10	42	3728	0.565	ug/l #	37
36) 1,1-Dichloropropene	5.64	75	72266	4.849	ug/l #	52
38) Carbon Tetrachloride	5.64	117	98119	6.079	ug/l #	14
43) Isopropyl Acetate	6.42	43	367891	11.231	ug/l	99
48) Methyl methacrylate	7.65	41	18219	1.114	ug/l #	19
49) 1,4-Dioxane	7.73	88	3421	11.208	ug/l #	55
51) 4-Methyl-2-Pentanone	8.60	43	377850	20.355	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	142305	7.136	ug/l #	50
59) 2-Hexanone	9.53	43	338537	24.156	ug/l #	52
74) N-amyl acetate	10.81	43	42083	1.313	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	393416	21.750	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	393416	52.187	ug/l #	10

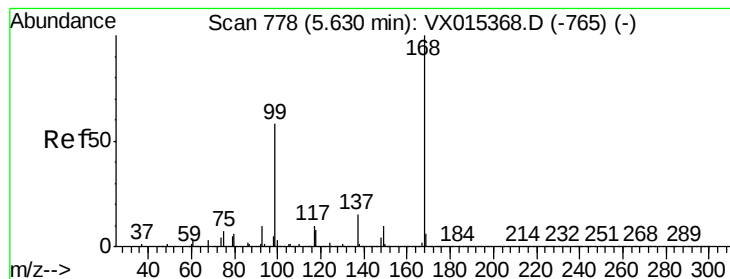
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042120\
Data File : VX015799.D
Acq On : 21 Apr 2020 17:02
Operator : JC/SP
Sample : L2327-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-4-S

Quant Time: Apr 22 04:20:06 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: VX015799.D

Acq: 21 Apr 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

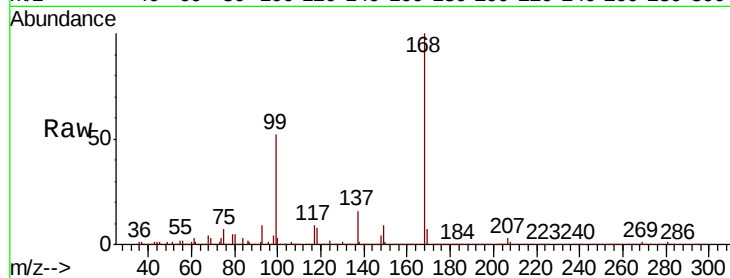
TP-4-S

Tot Ion:168 Resp: 1053955

Ion Ratio Lower Upper

168 100

99 51.7 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

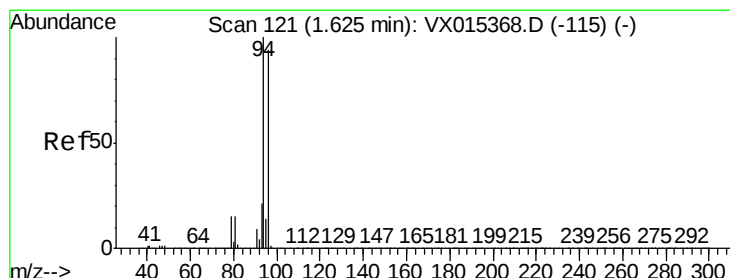
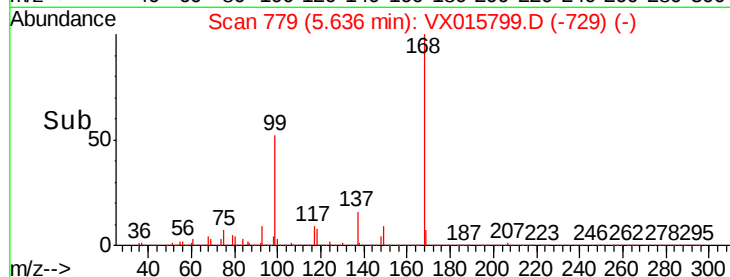
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015799.D

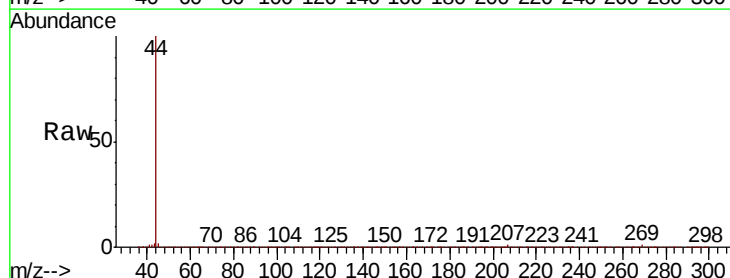
Acq: 21 Apr 2020 17:02

Tgt Ion: 94 Resp: 447

Ion Ratio Lower Upper

94 100

96 168.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2500

2000

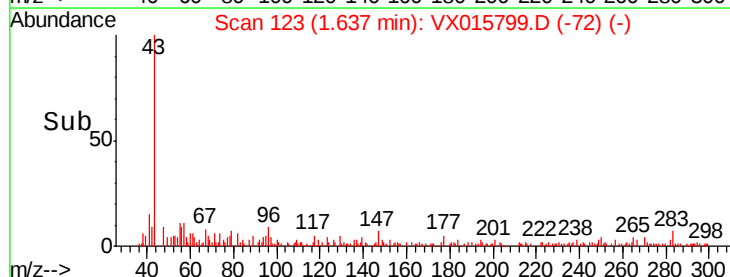
1500

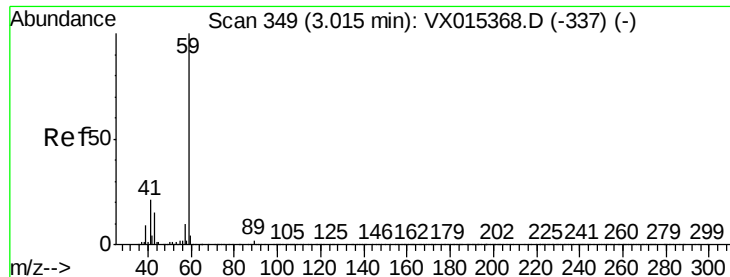
1000

500

0

Time-->

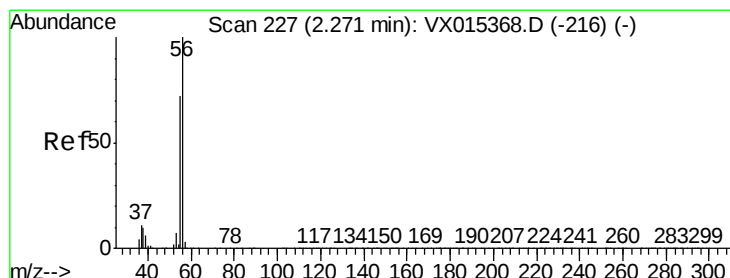
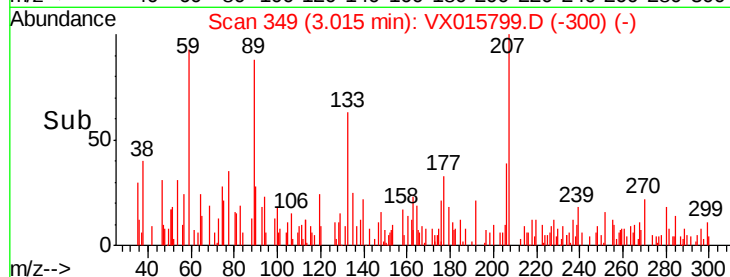
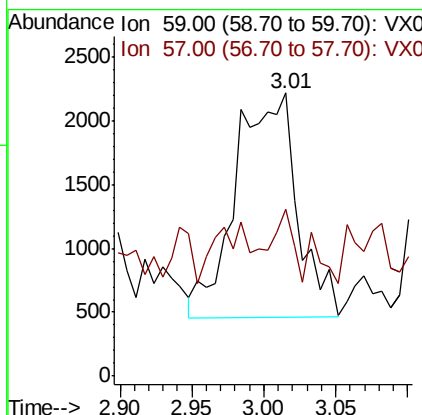
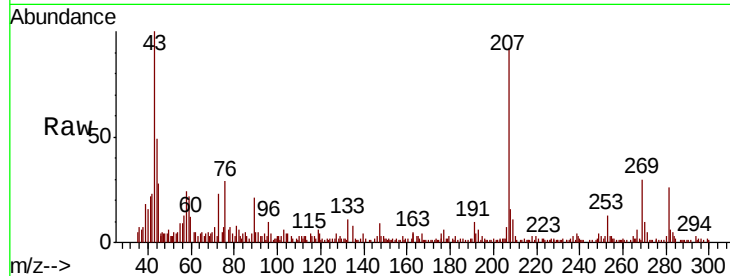




#11
Tert butyl alcohol
Concen: 1.475 ug/l
RT: 3.01 min Scan# 349
Delta R.T. 0.00 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

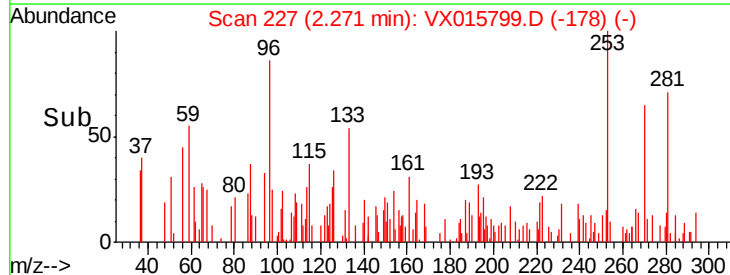
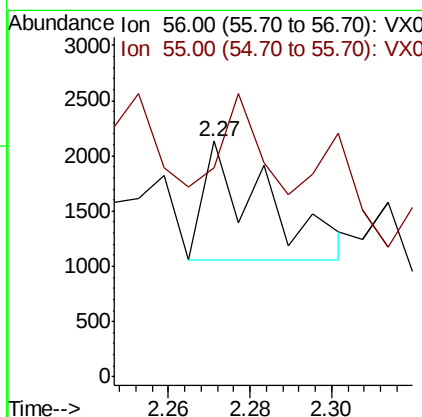
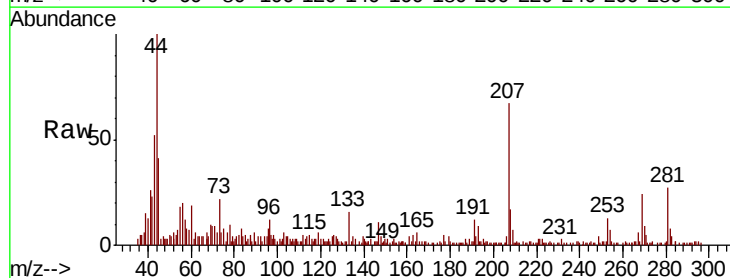
Instrument :
MSVOA_X
ClientSampled :
TP-4-S

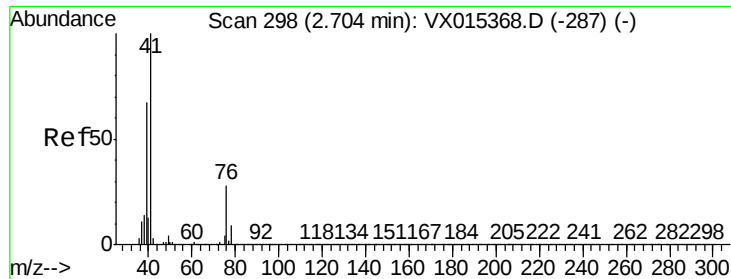
Tot Ion: 59 Resp: 5249
Ion Ratio Lower Upper
59 100
57 8.7 8.1 12.1



#13
Acrolein
Concen: 0.556 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

Tgt Ion: 56 Resp: 1126
Ion Ratio Lower Upper
56 100
55 67.1 57.0 85.4

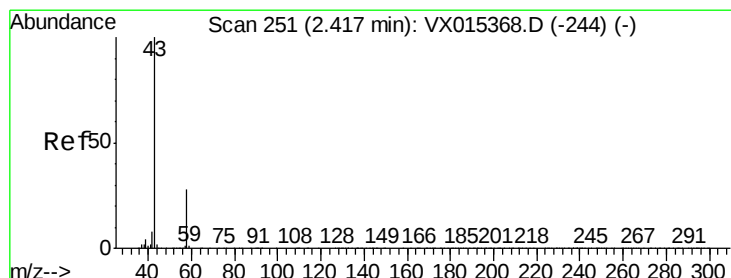
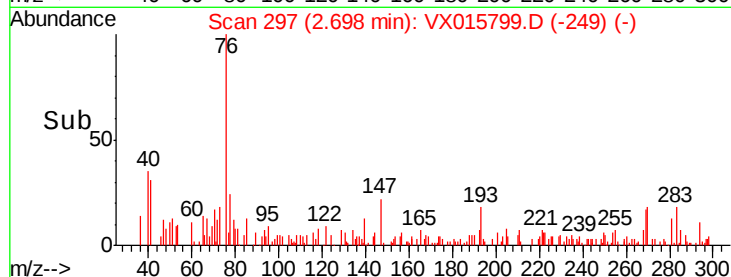
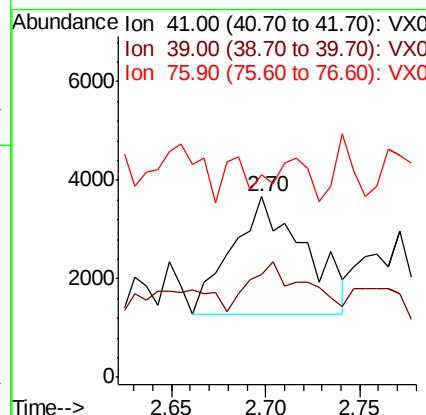
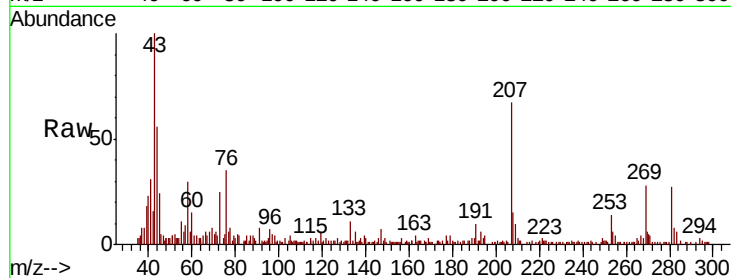




#14
Allvl chloride
Concen: 0.274 ug/l
RT: 2.70 min Scan# 297
Delta R.T. -0.01 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

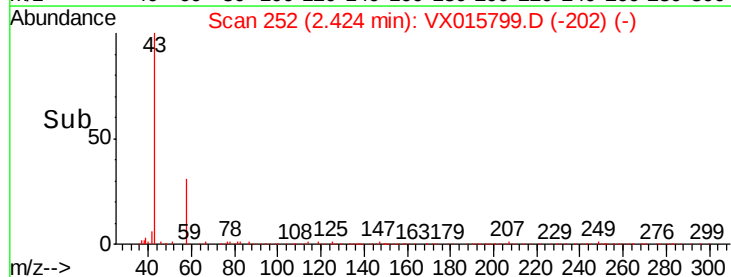
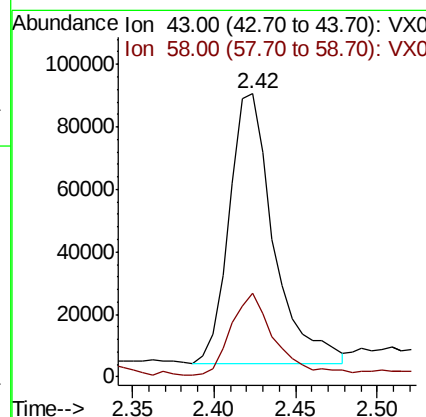
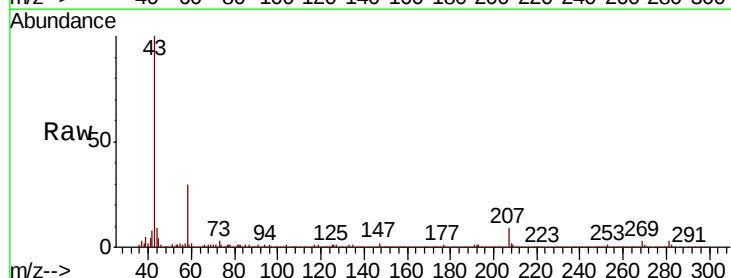
Instrument :
MSVOA_X
ClientSampleId :
TP-4-S

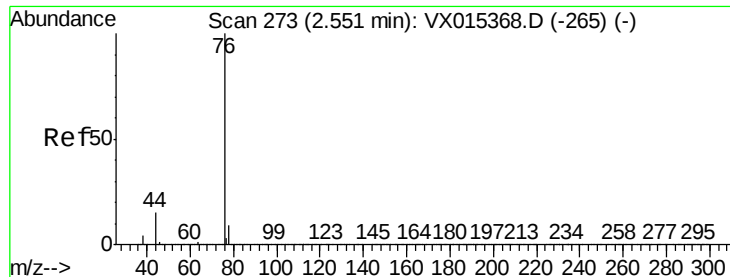
Tot Ion: 41 Resp: 6368
Ion Ratio Lower Upper
41 100
39 30.2 51.4 77.0#
76 0.0 21.8 32.8#



#16
Acetone
Concen: 25.610 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

Tgt Ion: 43 Resp: 163551
Ion Ratio Lower Upper
43 100
58 30.2 22.1 33.1





#17

Carbon Disulfide

Concen: 2.821 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

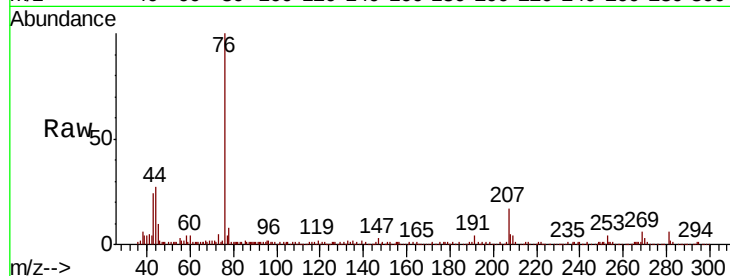
TP-4-S

Tot Ion: 76 Resp: 85640

Ion Ratio Lower Upper

76 100

78 7.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

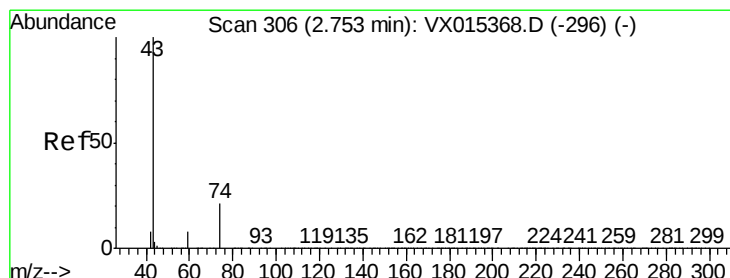
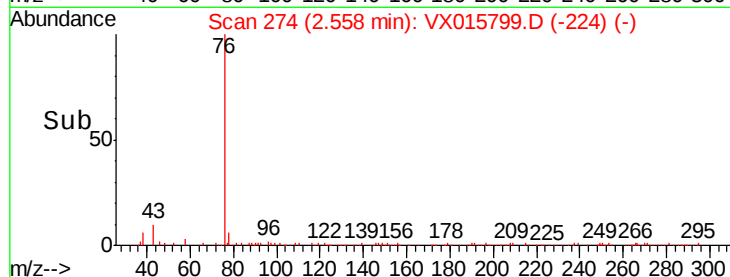
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 1.356 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015799.D

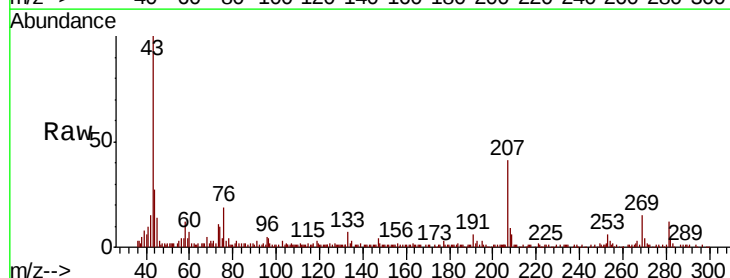
Acq: 21 Apr 2020 17:02

Tgt Ion: 43 Resp: 22095

Ion Ratio Lower Upper

43 100

74 24.0 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

25000

20000

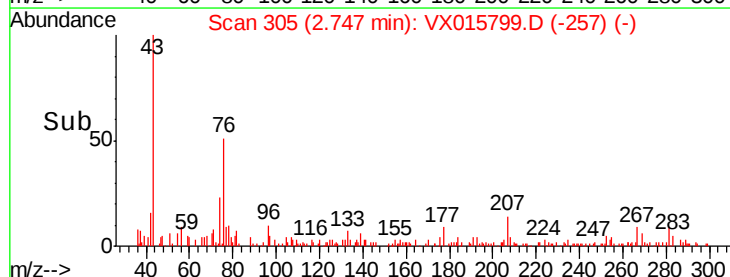
15000

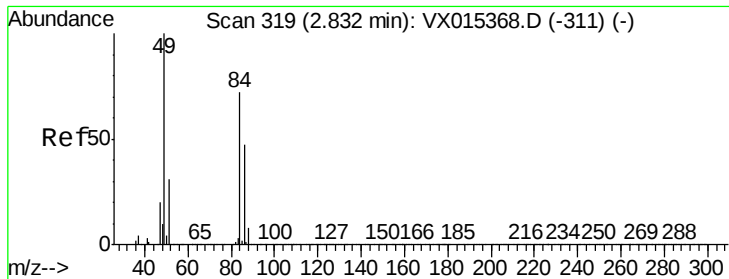
10000

5000

0

Time--> 2.70 2.75 2.80 2.85

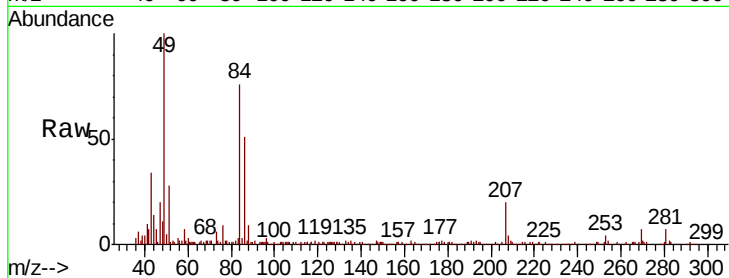




#20
Methvlene Chloride
Concen: 4.866 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

Instrument :
MSVOA_X
ClientSampleId :
TP-4-S

Tot Ion:	84	Resp:	58041
Ion	Ratio	Lower	Upper
84	100		
49	131.4	111.3	166.9
51	36.9	34.0	51.0
86	66.8	52.5	78.7



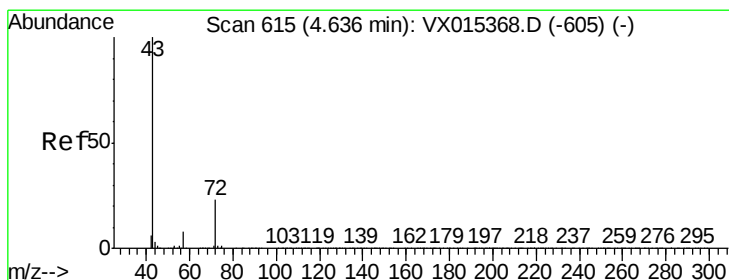
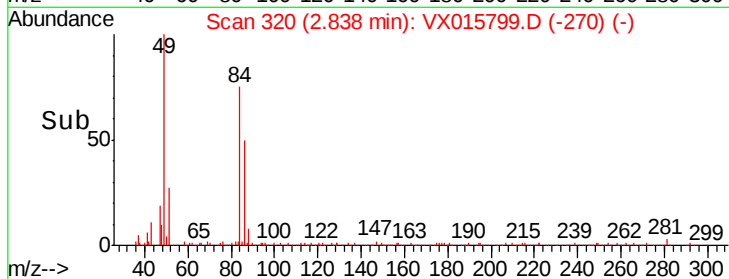
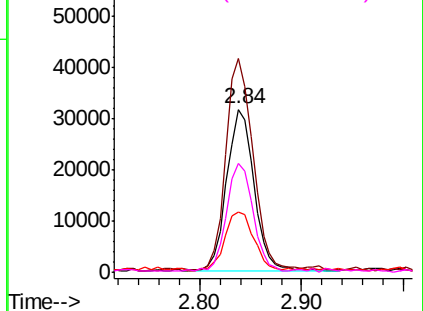
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

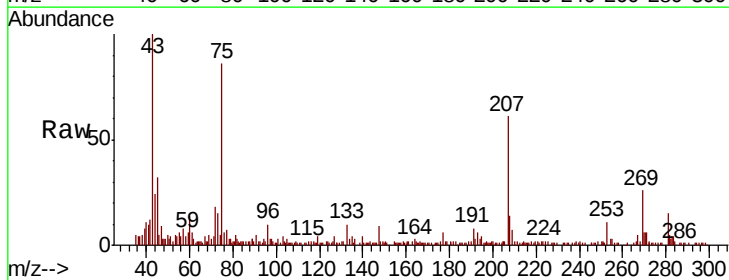
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25
2-Butanone
Concen: 3.037 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

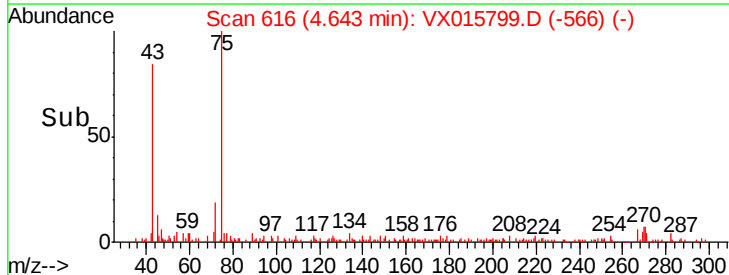
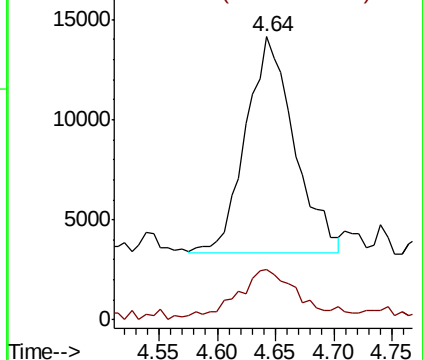
Tgt Ion:	43	Resp:	31196
Ion	Ratio	Lower	Upper
43	100		
72	21.5	19.0	28.4

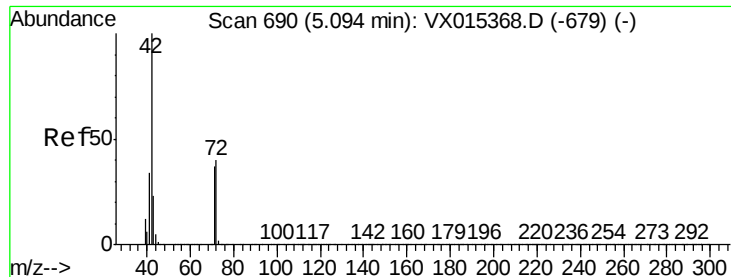


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

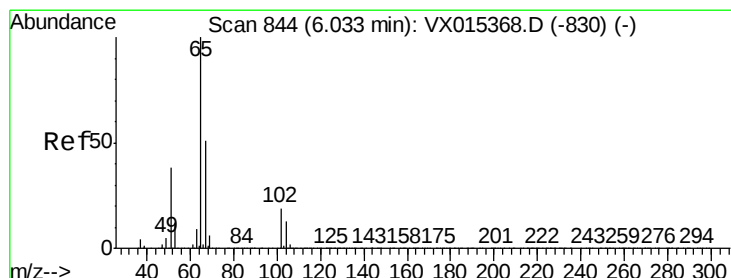
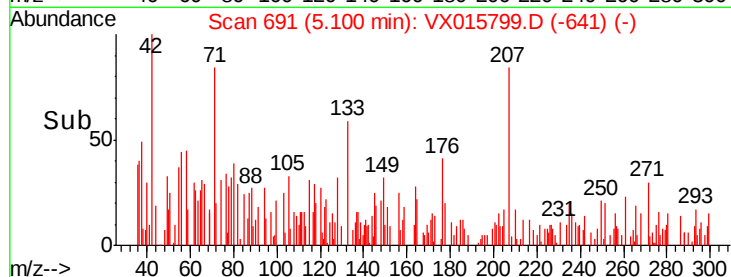
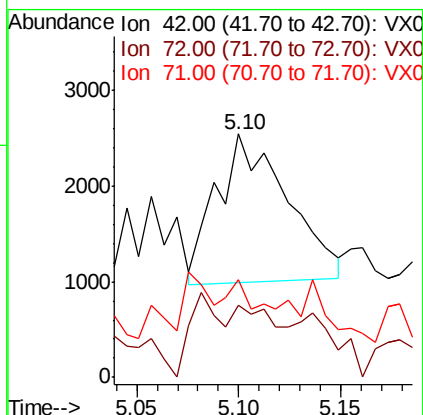
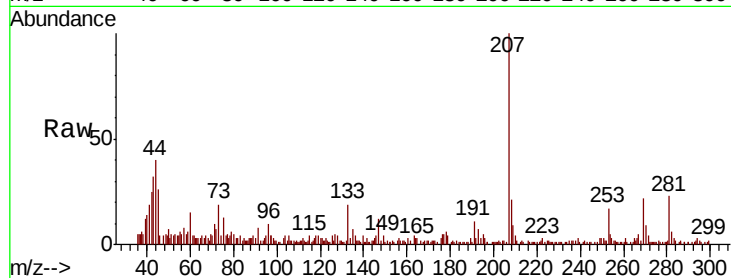




#29
Tetrahydrofuran
Concen: 0.565 ug/l
RT: 5.10 min Scan# 691
Delta R.T. 0.01 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

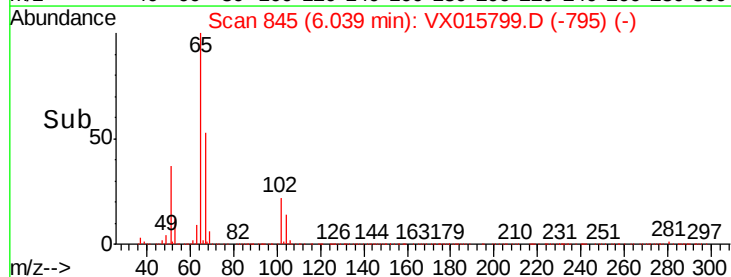
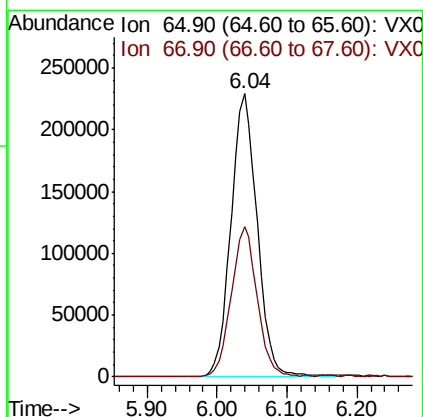
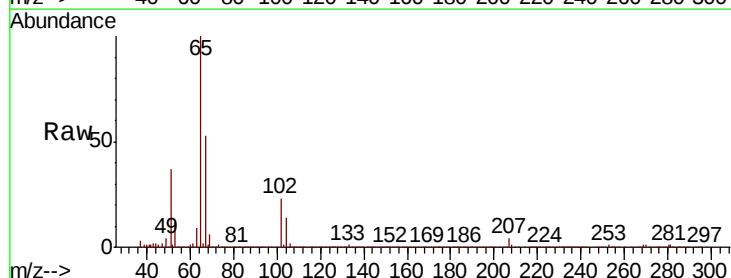
Instrument :
MSVOA_X
ClientSampled :
TP-4-S

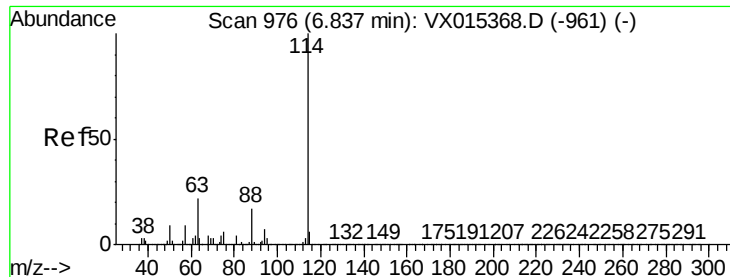
Tot Ion: 42 Resp: 3728
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 0.0 29.6 44.4#



#33
1,2-Dichloroethane-d4
Concen: 40.009 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

Tgt Ion: 65 Resp: 594731
Ion Ratio Lower Upper
65 100
67 52.3 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: VX015799.D

Acq: 21 Apr 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

TP-4-S

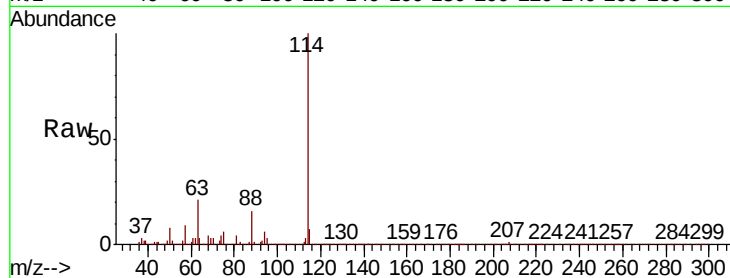
Tot Ion:114 Resp: 1617366

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.2

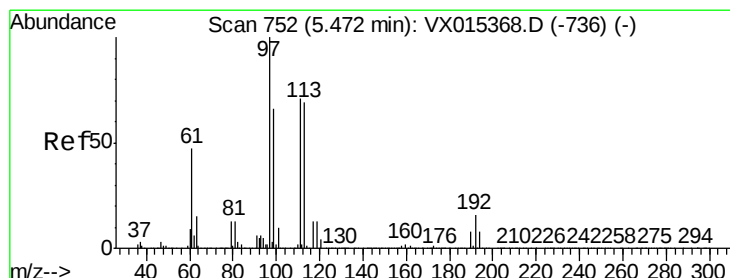
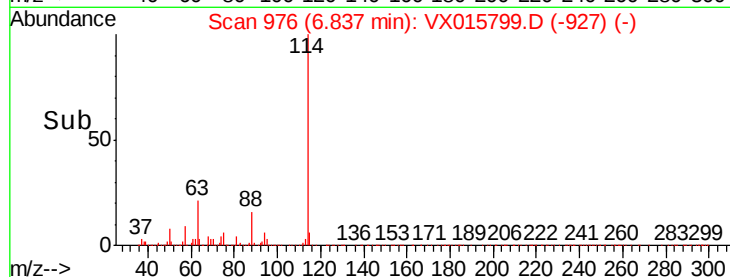
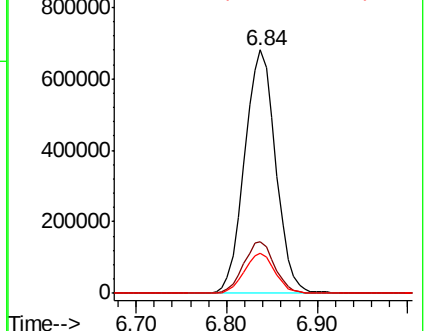
88 16.3 0.0 33.8



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: 46.894 ug/l

RT: 5.48 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

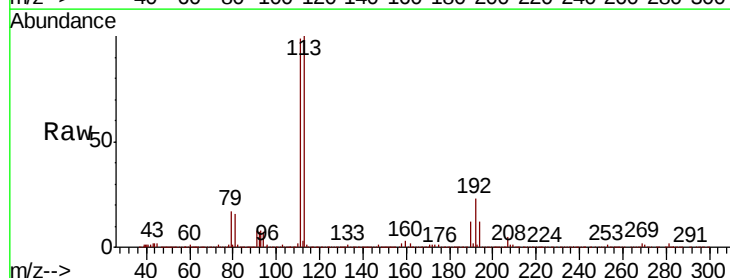
Tgt Ion:113 Resp: 484818

Ion Ratio Lower Upper

113 100

111 100.7 81.5 122.3

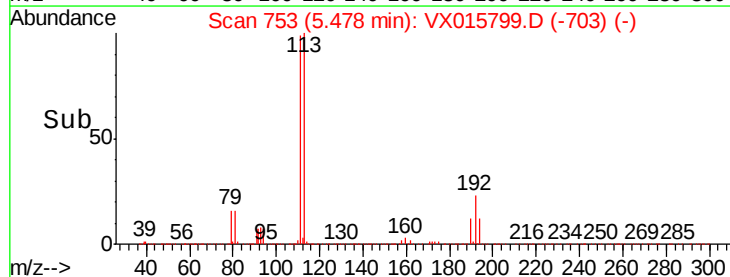
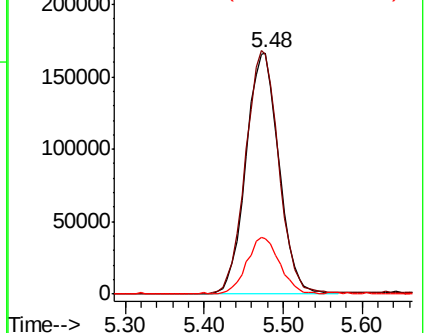
192 22.9 17.8 26.6

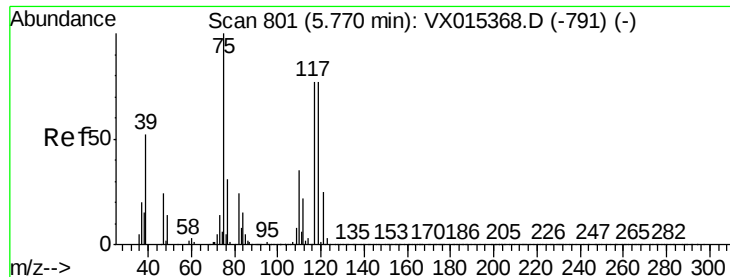


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.849 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

TP-4-S

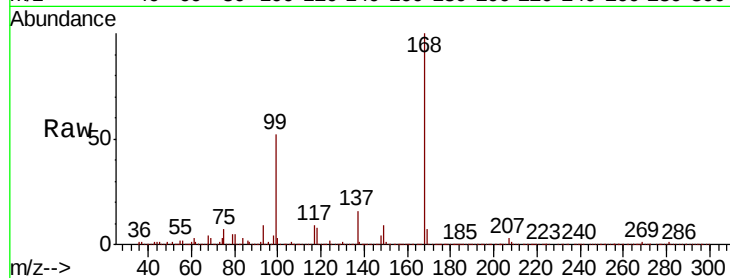
Tot Ion: 75 Resp: 72266

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.3#

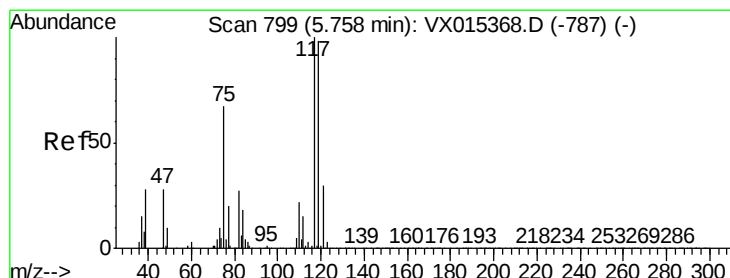
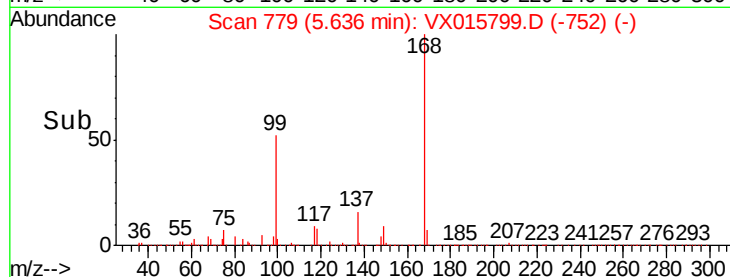
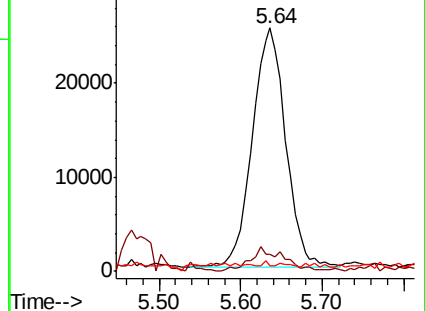
77 0.3 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX015368.D (-791) (-)

Ion 109.90 (109.60 to 110.60): VX015368.D (-791) (-)

Ion 76.90 (76.60 to 77.60): VX015368.D (-791) (-)



#38

Carbon Tetrachloride

Concen: 6.079 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

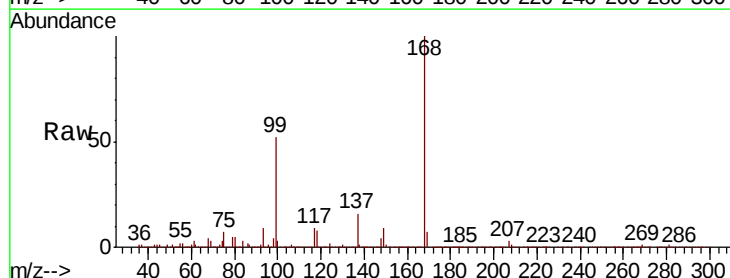
Tgt Ion: 117 Resp: 98119

Ion Ratio Lower Upper

117 100

119 3.3 78.0 117.0#

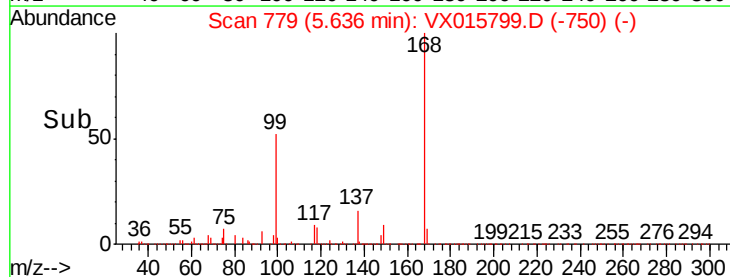
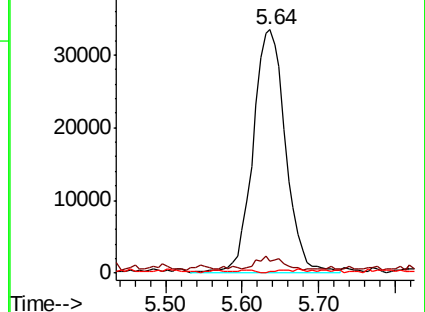
121 0.3 23.8 35.8#

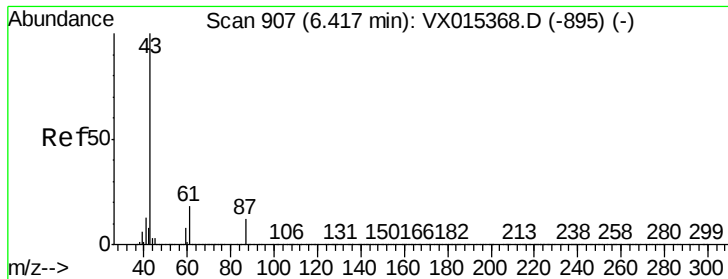


Abundance Ion 116.80 (116.50 to 117.50): VX015368.D (-787) (-)

Ion 118.80 (118.50 to 119.50): VX015368.D (-787) (-)

Ion 120.80 (120.50 to 121.50): VX015368.D (-787) (-)



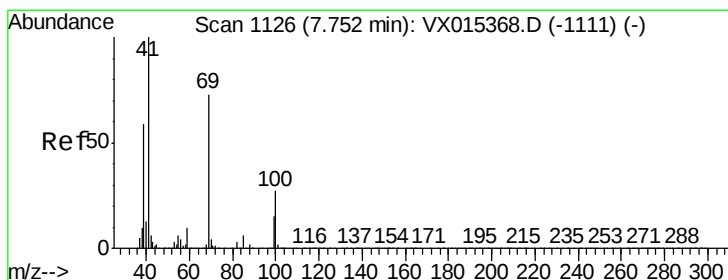
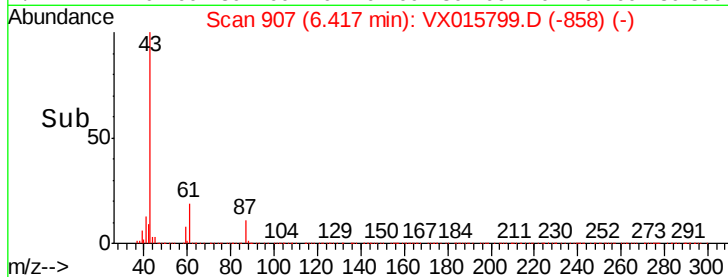
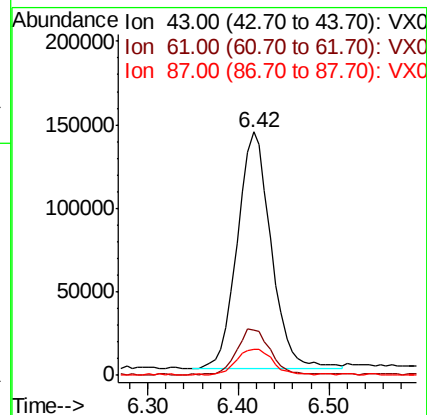
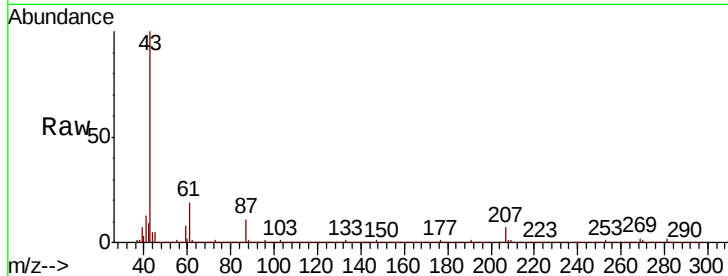


#43

Isopropyl Acetate
 Concen: 11.231 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015799.D
 Acq: 21 Apr 2020 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-S

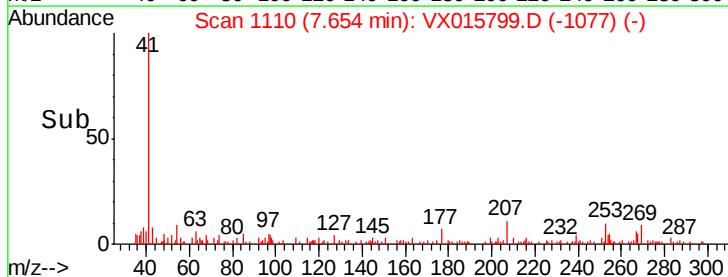
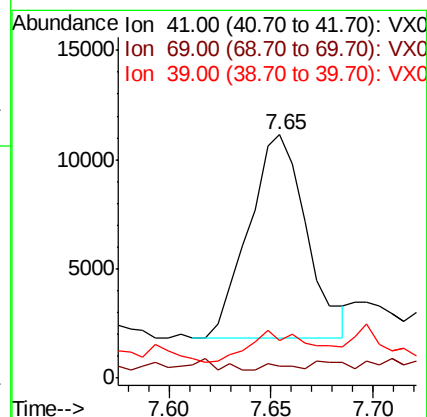
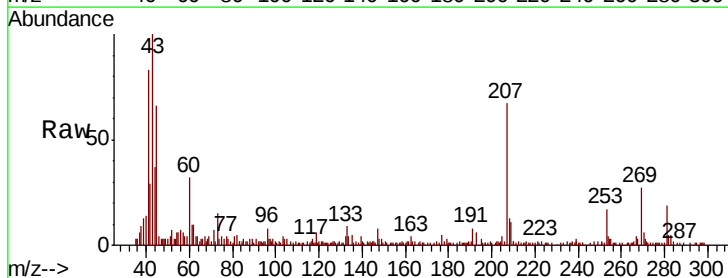
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.8	22.2
87	11.4	9.4	14.0

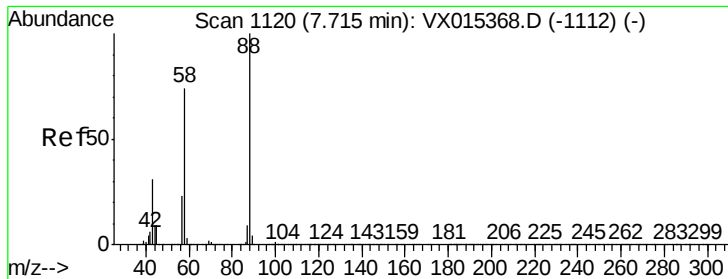


#48

Methyl methacrylate
 Concen: 1.114 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.10 min
 Lab File: VX015799.D
 Acq: 21 Apr 2020 17:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	1.6	56.7	85.1#
39	0.0	46.5	69.7#





#49

1,4-Dioxane

Concen: 11.208 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

TP-4-S

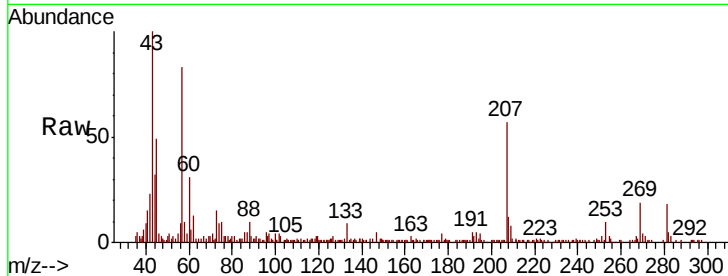
Tot Ion: 88 Resp: 3421

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

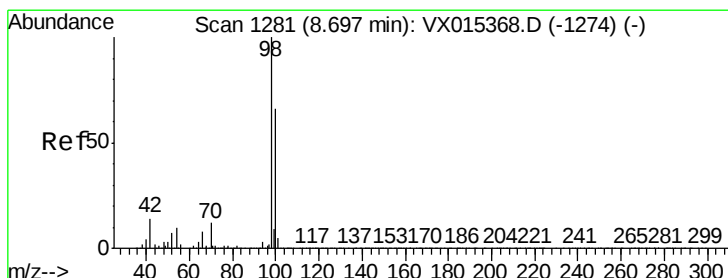
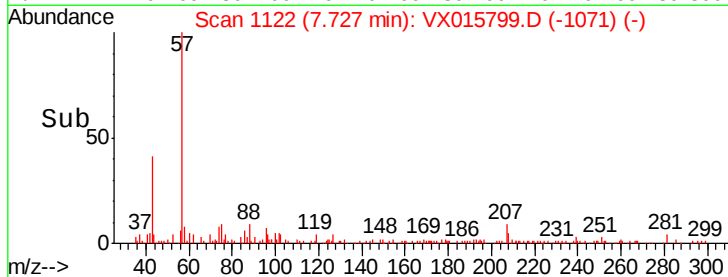
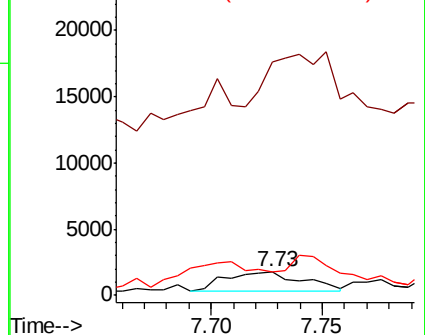
58 107.1 60.6 90.8#



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: 50.498 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015799.D

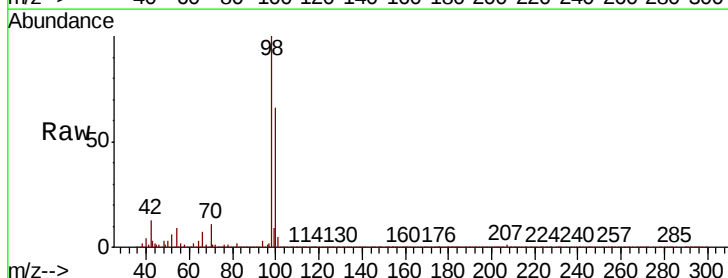
Acq: 21 Apr 2020 17:02

Tgt Ion: 98 Resp: 1922154

Ion Ratio Lower Upper

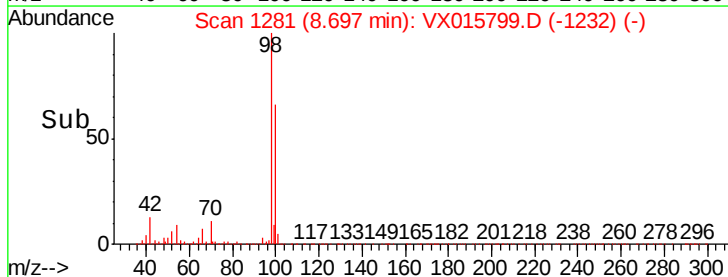
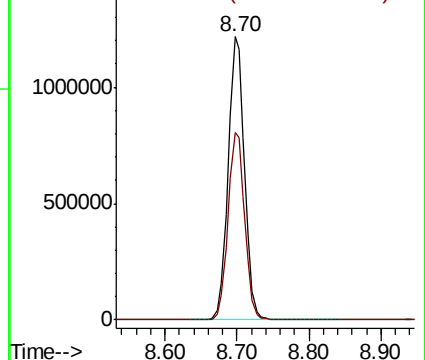
98 100

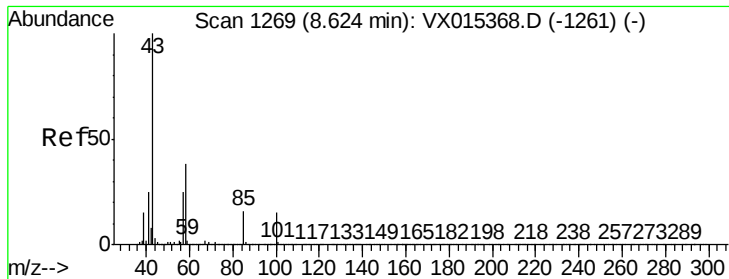
100 67.6 53.5 80.3



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: 20.355 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

Instrument :

MSVOA_X

ClientSampled :

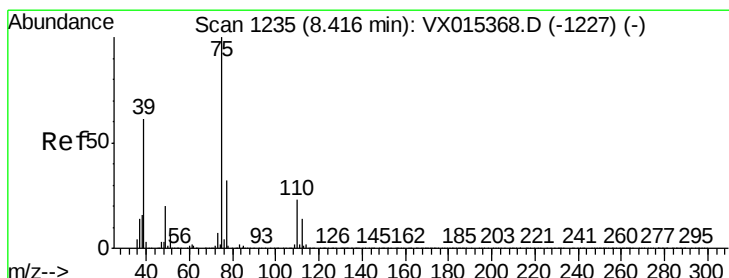
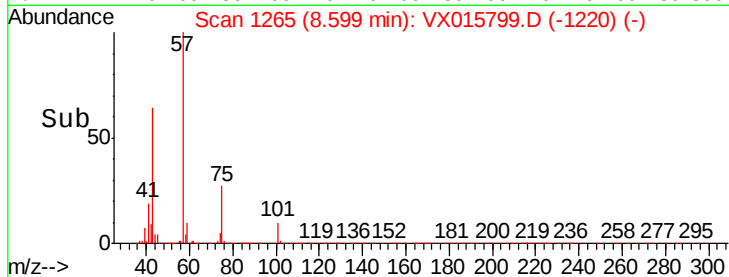
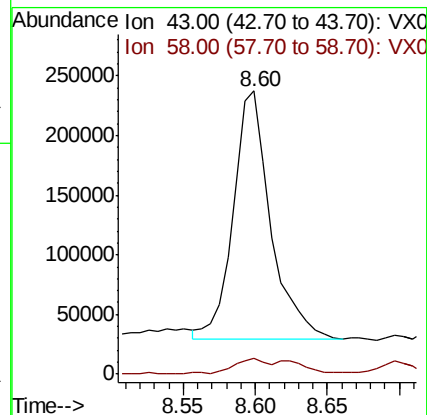
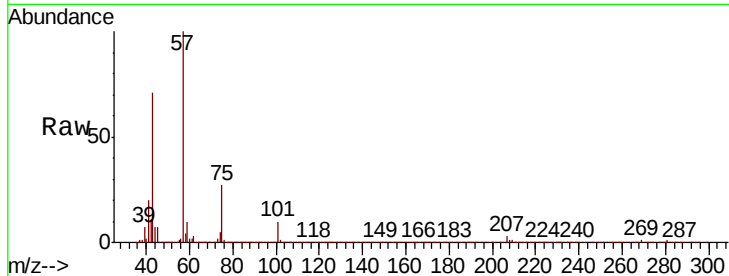
TP-4-S

Tot Ion: 43 Resp: 377850

Ion Ratio Lower Upper

43 100

58 5.3 29.7 44.5#



#54

cis-1,3-Dichloropropene

Concen: 7.136 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

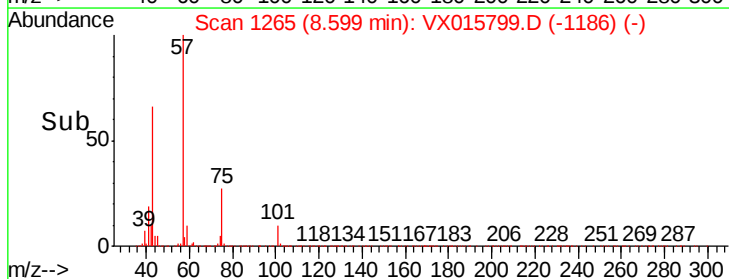
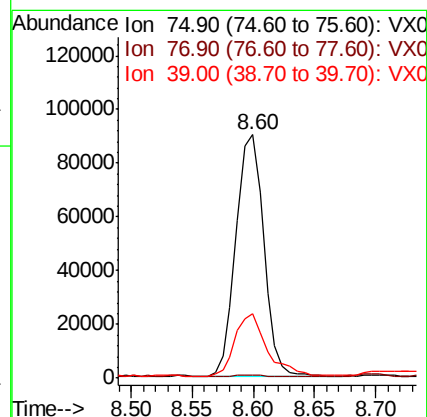
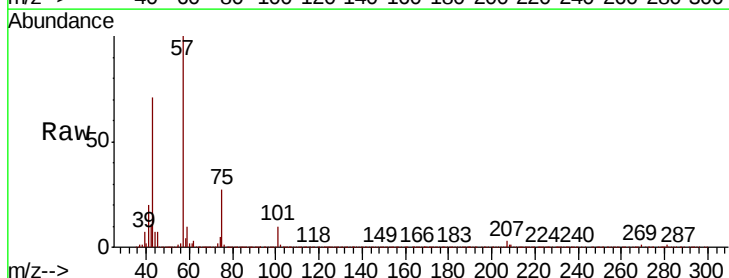
Tgt Ion: 75 Resp: 142305

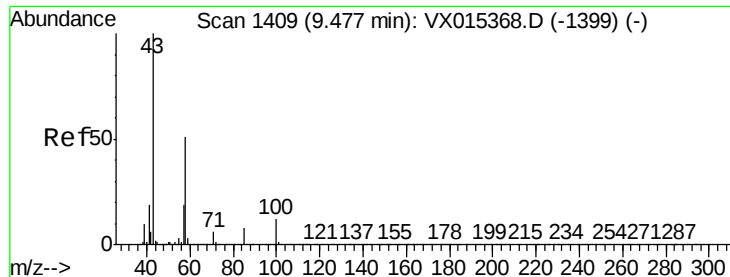
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

39 26.1 49.0 73.4#

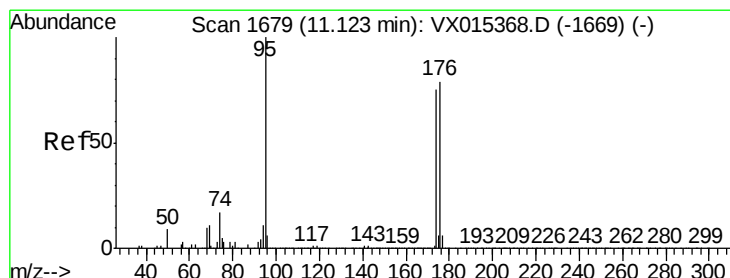
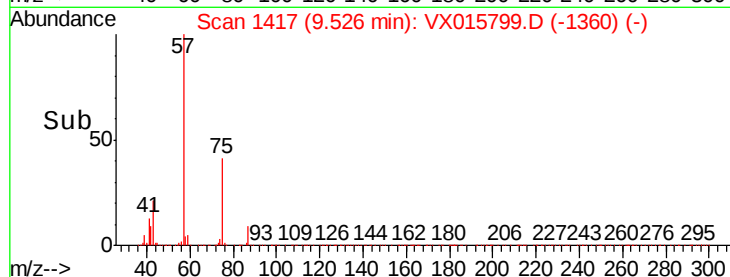
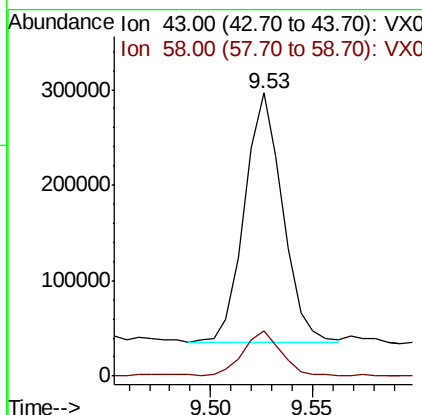
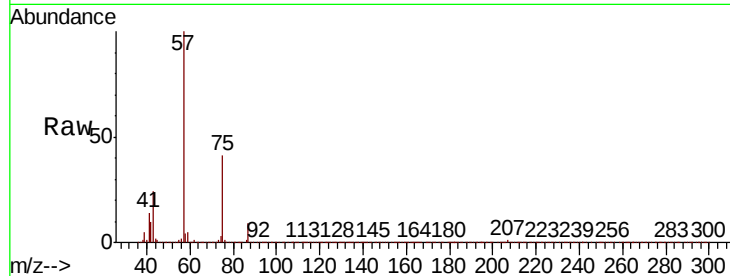




#59
2-Hexanone
Concen: 24.156 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

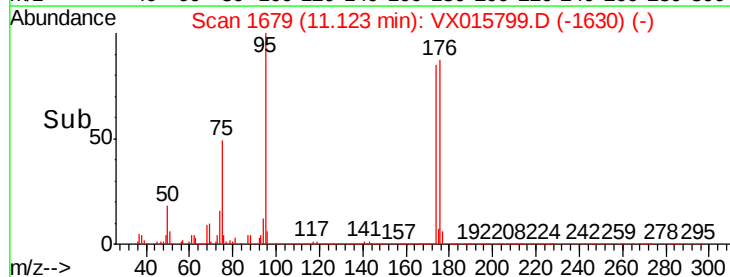
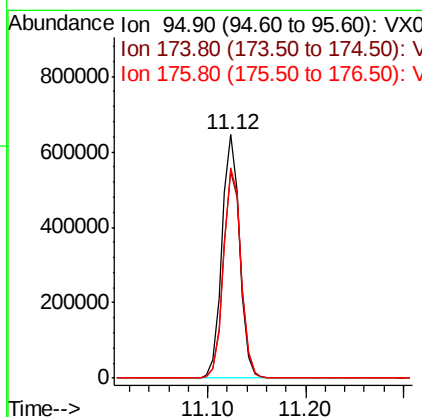
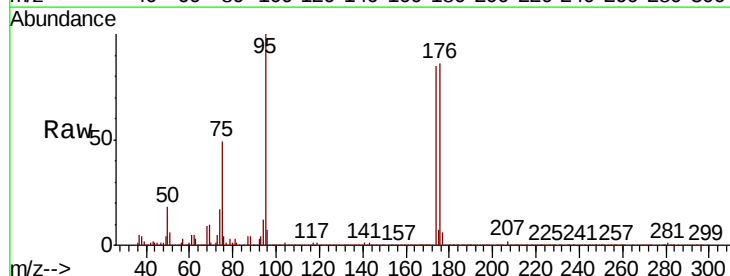
Instrument :
MSVOA_X
ClientSampleId :
TP-4-S

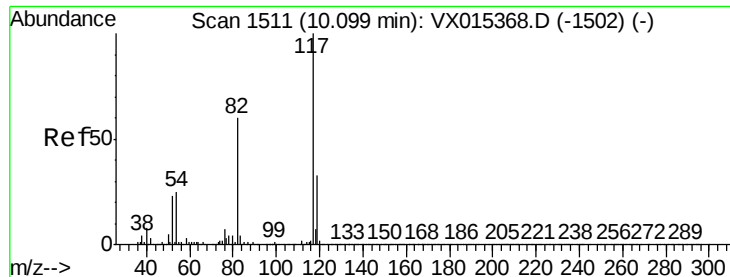
Tot Ion: 43 Resp: 338537
Ion Ratio Lower Upper
43 100
58 17.8 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 51.993 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

Tgt Ion: 95 Resp: 804299
Ion Ratio Lower Upper
95 100
174 85.5 0.0 158.6
176 85.4 0.0 159.0

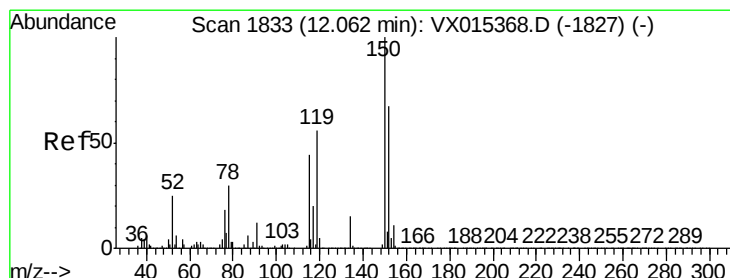
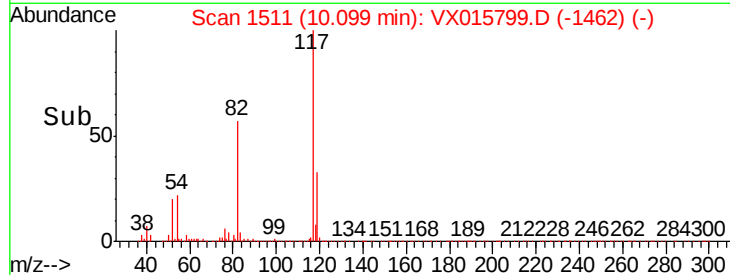
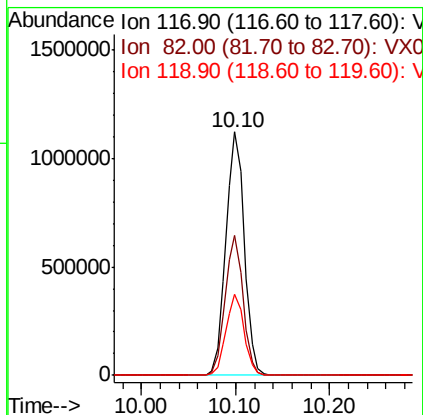
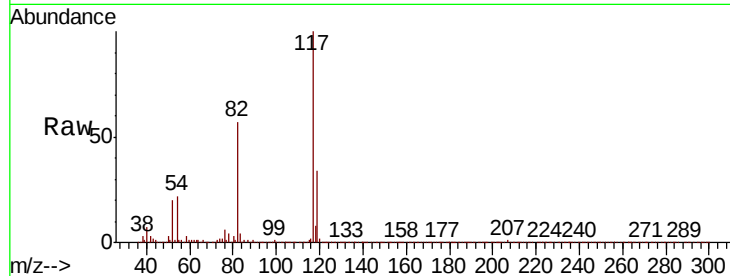




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

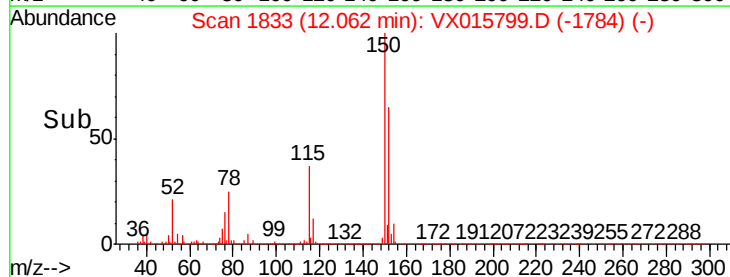
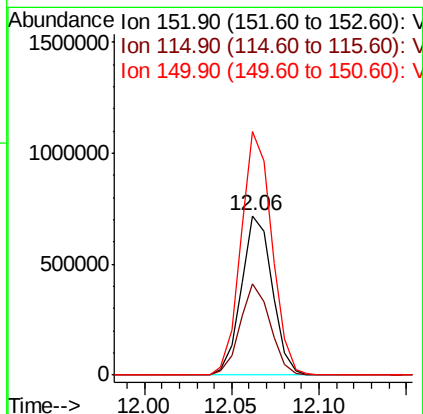
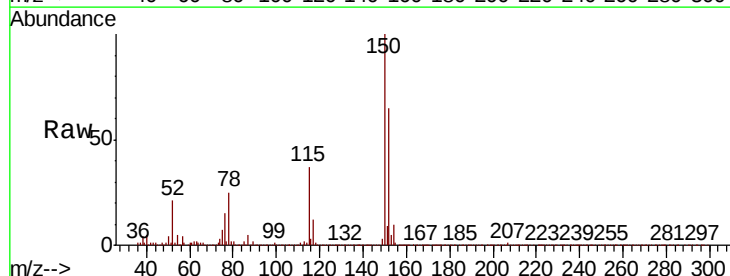
Instrument :
MSVOA_X
ClientSampled :
TP-4-S

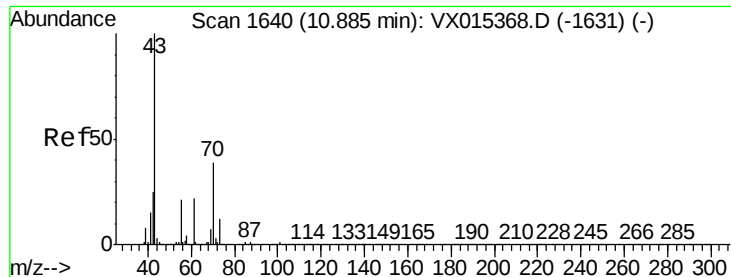
Tot Ion:117 Resp: 1522714
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.8
119 33.5 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015799.D
Acq: 21 Apr 2020 17:02

Tgt Ion:152 Resp: 879611
Ion Ratio Lower Upper
152 100
115 55.7 39.0 116.9
150 153.1 0.0 340.8





#74

N-amvl acetate

Concen: 1.313 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.08 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

TP-4-S

Tot Ion: 43 Resp: 42083

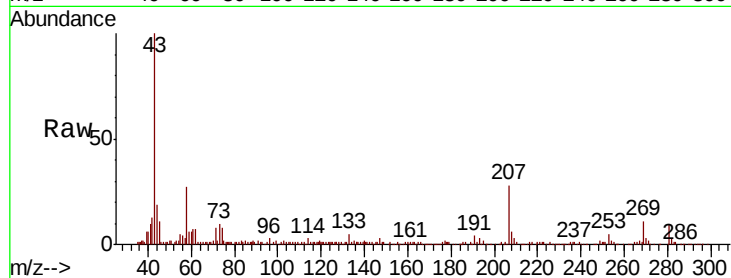
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 2.9 16.8 25.2#

61 3.9 18.2 27.2#

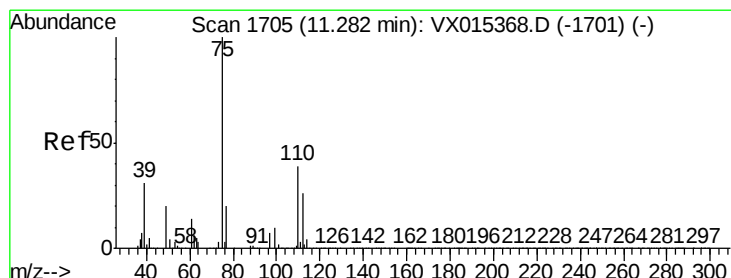
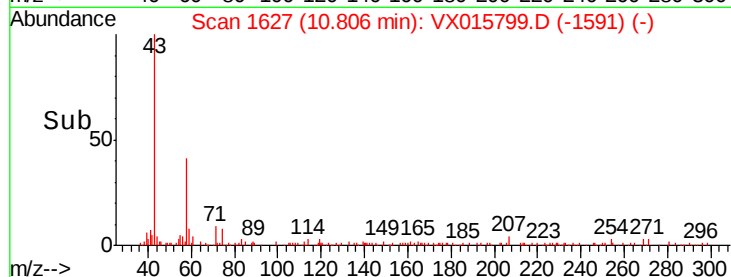
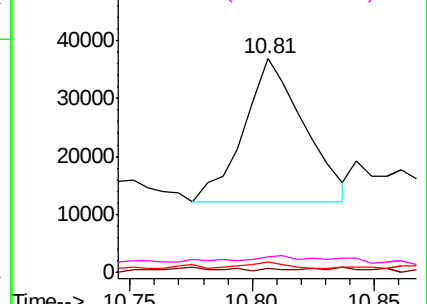


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.750 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015799.D

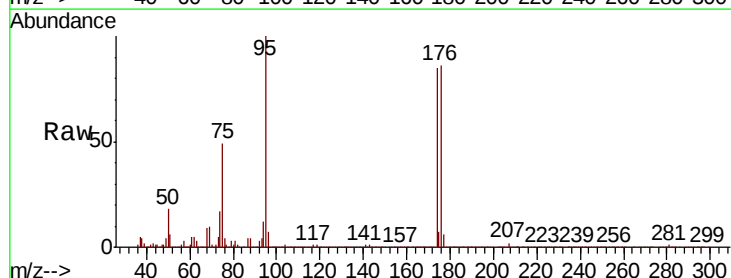
Acq: 21 Apr 2020 17:02

Tgt Ion: 75 Resp: 393416

Ion Ratio Lower Upper

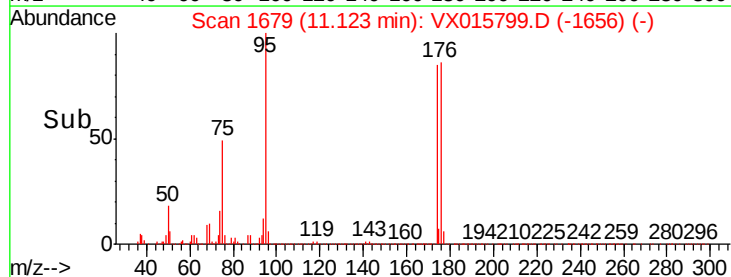
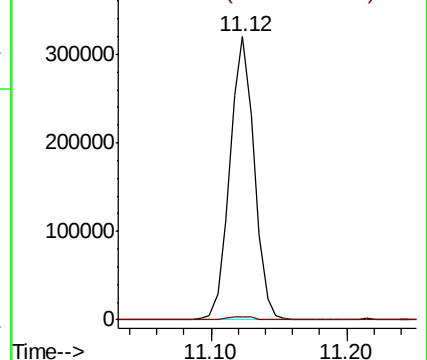
75 100

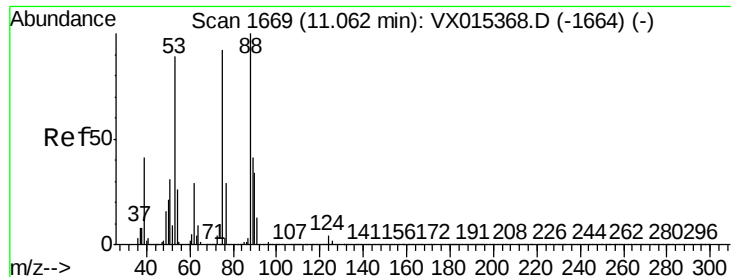
77 1.2 21.2 63.6#



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: 52.187 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015799.D

Acq: 21 Apr 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

TP-4-S

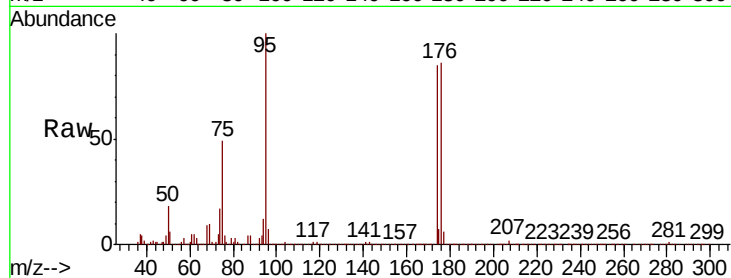
Tot Ion: 75 Resp: 393416

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 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

