

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042120\
 Data File : VX015794.D
 Acq On : 21 Apr 2020 15:08
 Operator : JC/SP
 Sample : L2327-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-S

Quant Time: Apr 22 04:18:37 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	1098838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1684832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1563791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	883731	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	623379	40.22	ug/l	0.00
Spiked Amount						
			Recovery	=	80.44%	
35) Dibromofluoromethane	5.47	113	506506	47.03	ug/l	0.00
Spiked Amount						
			Recovery	=	94.06%	
50) Toluene-d8	8.70	98	2018003	50.89	ug/l	0.00
Spiked Amount						
			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.12	95	814432	50.54	ug/l	0.00
Spiked Amount						
			Recovery	=	101.08%	

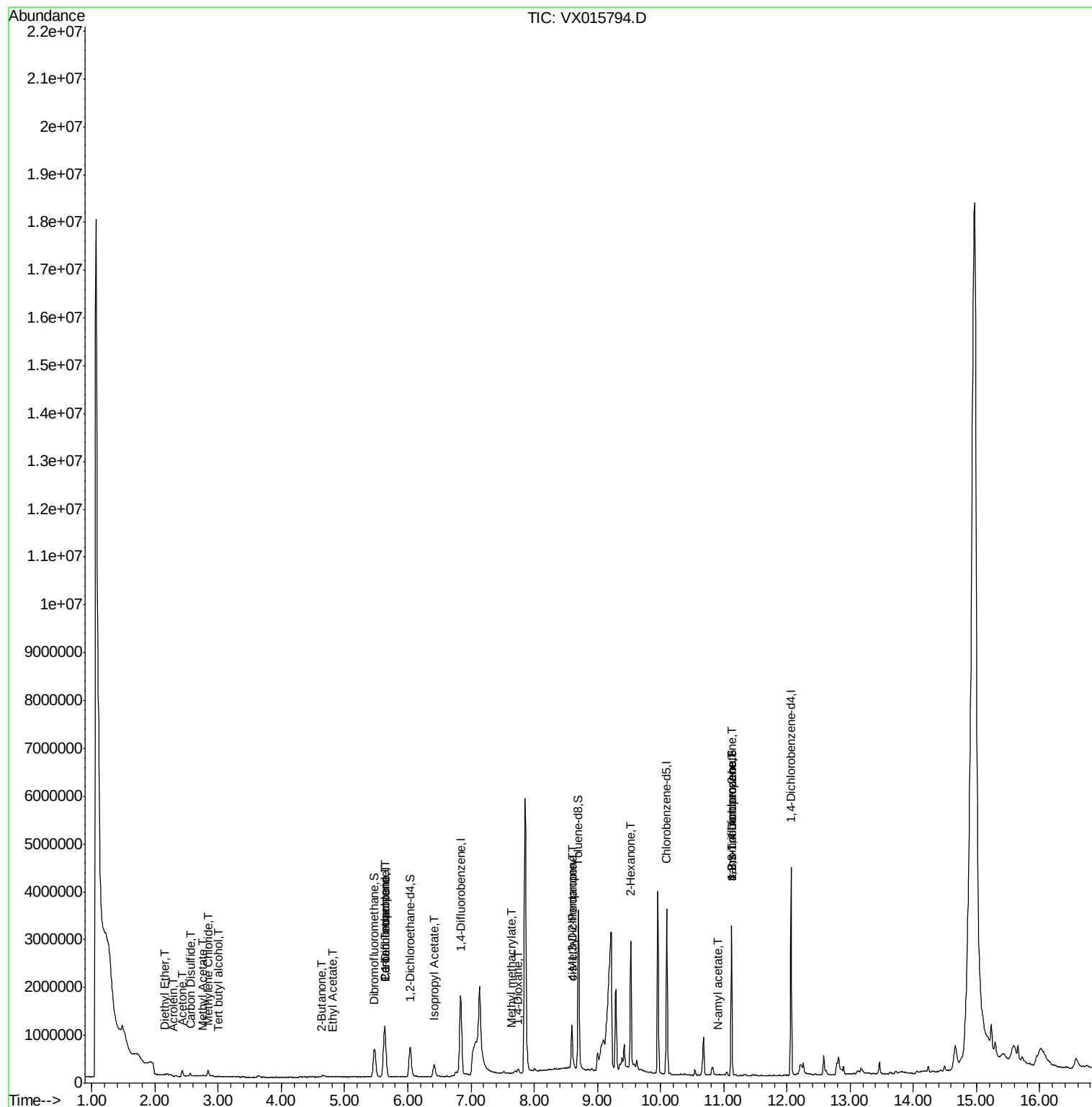
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	203	Below Cal	#	30
8) Diethyl Ether	2.17	74	1286	0.201	ug/l #	1
11) Tert butyl alcohol	3.00	59	5142	1.386	ug/l #	79
13) Acrolein	2.29	56	1891	0.895	ug/l	95
16) Acetone	2.43	43	190951	28.679	ug/l	96
17) Carbon Disulfide	2.56	76	77227	2.440	ug/l	97
18) Methyl Acetate	2.75	43	20574	1.211	ug/l	96
20) Methylene Chloride	2.84	84	46541	3.742	ug/l	94
25) 2-Butanone	4.64	43	38430	3.589	ug/l #	87
36) 1,1-Dichloropropene	5.64	75	73436	4.731	ug/l #	54
37) Ethyl Acetate	4.81	43	8763	0.434	ug/l #	79
38) Carbon Tetrachloride	5.64	117	101283	6.024	ug/l #	14
43) Isopropyl Acetate	6.42	43	389646	11.419	ug/l	99
48) Methyl methacrylate	7.65	41	27463	1.611	ug/l #	19
49) 1,4-Dioxane	7.73	88	5190	16.324	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	445900	23.059	ug/l #	45
54) cis-1,3-Dichloropropene	8.60	75	147723	7.111	ug/l #	50
59) 2-Hexanone	9.53	43	340281	23.308	ug/l #	54
74) N-amyl acetate	10.90	43	7474	0.232	ug/l #	64
76) 1,2,3-Trichloropropane	11.12	75	396927	21.841	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	396927	52.407	ug/l #	10

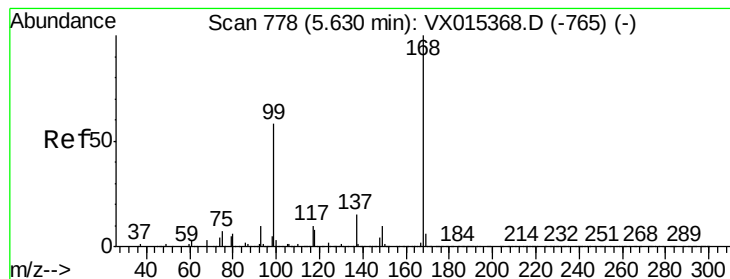
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042120\
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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: VX015794.D

Acq: 21 Apr 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

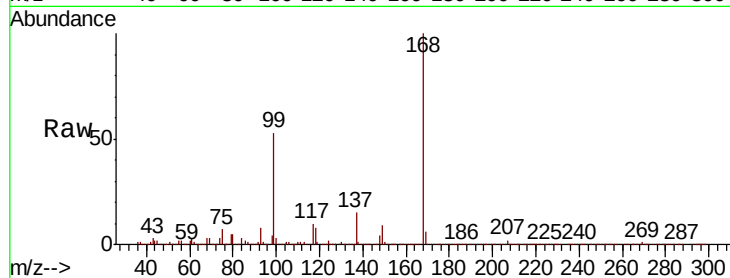
TP-1-S

Tot Ion:168 Resp: 1098838

Ion Ratio Lower Upper

168 100

99 52.4 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

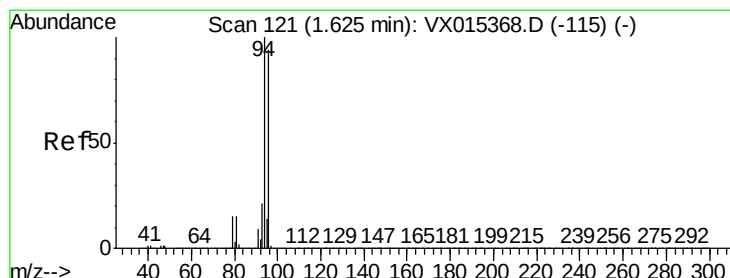
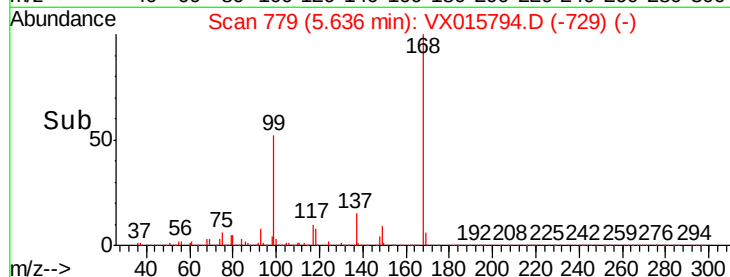
0

5.50

5.60

5.70

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015794.D

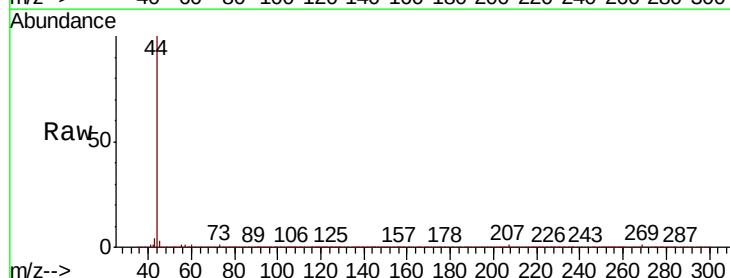
Acq: 21 Apr 2020 15:08

Tgt Ion: 94 Resp: 203

Ion Ratio Lower Upper

94 100

96 26.2 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

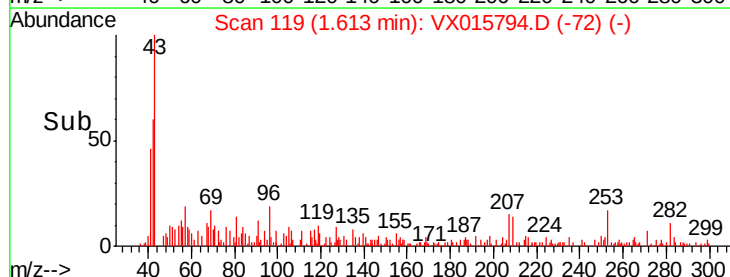
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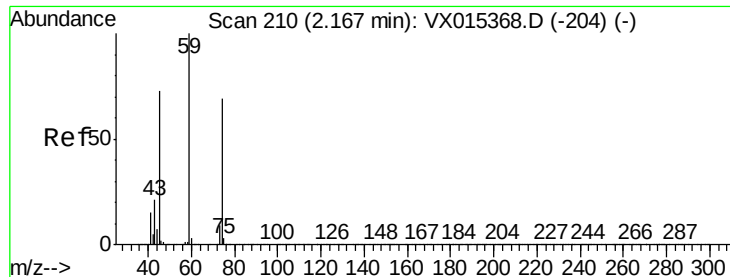
1.60

1.61

1.62

Time-->





#8

Diethyl Ether

Concen: 0.201 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX015794.D

Acq: 21 Apr 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

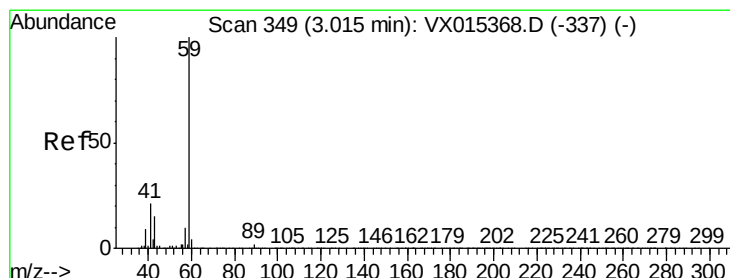
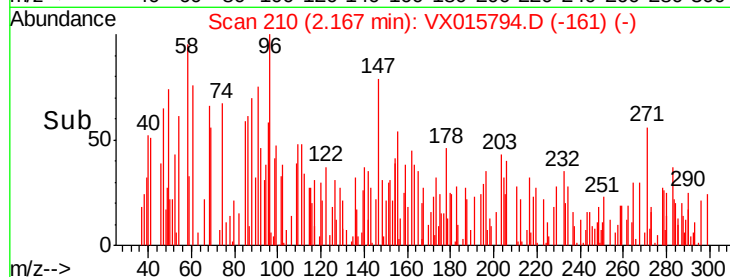
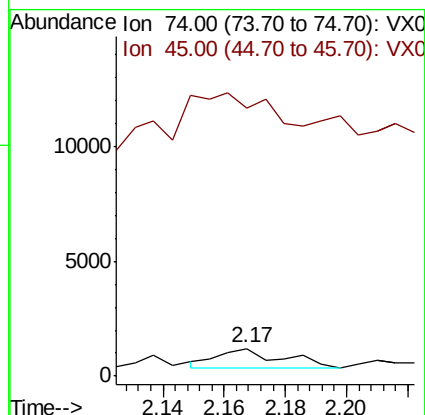
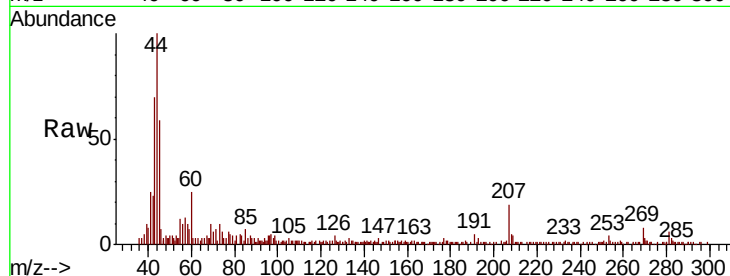
TP-1-S

Tot Ion: 74 Resp: 1286

Ion Ratio Lower Upper

74 100

45 496.8 53.8 161.4#



#11

Tert butyl alcohol

Concen: 1.386 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015794.D

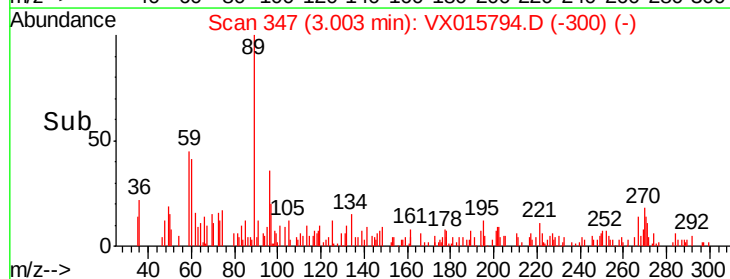
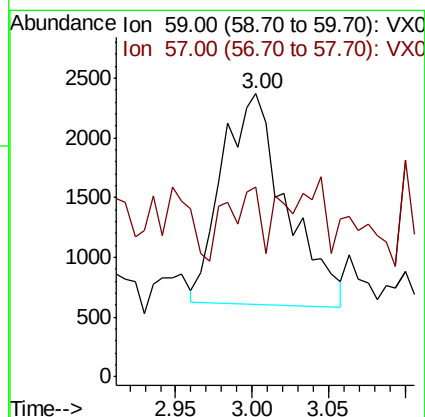
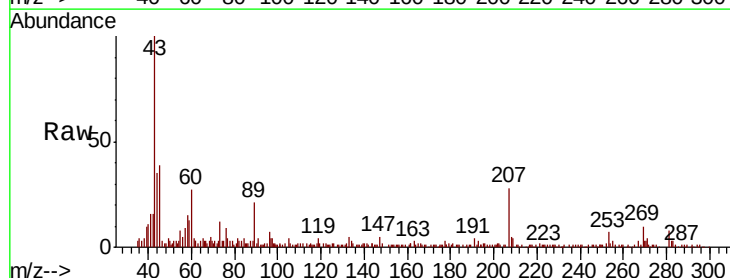
Acq: 21 Apr 2020 15:08

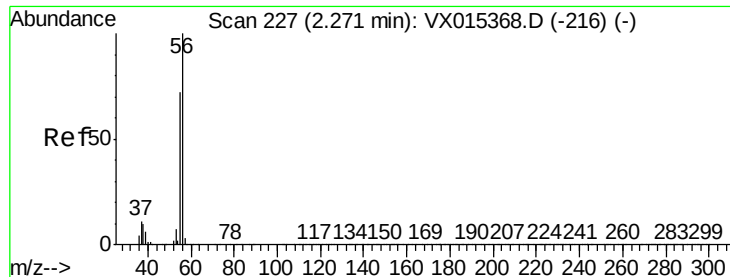
Tgt Ion: 59 Resp: 5142

Ion Ratio Lower Upper

59 100

57 18.0 8.1 12.1#

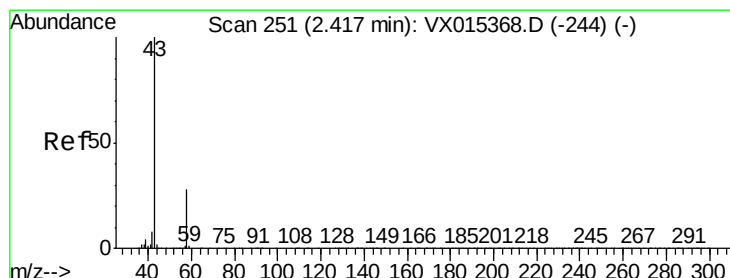
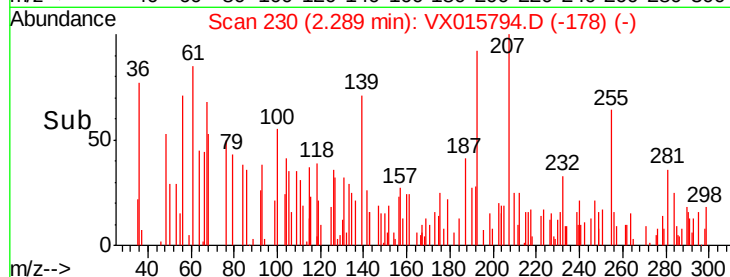
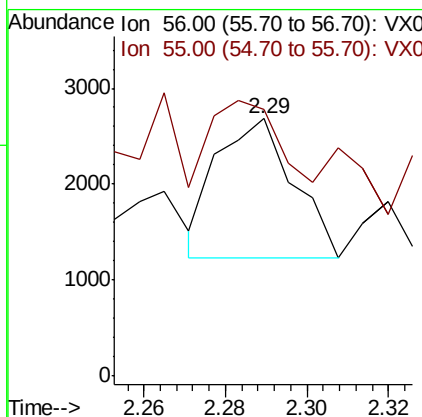
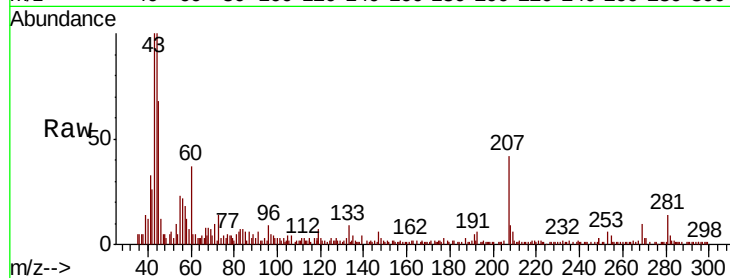




#13
Acrolein
Concen: 0.895 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.02 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

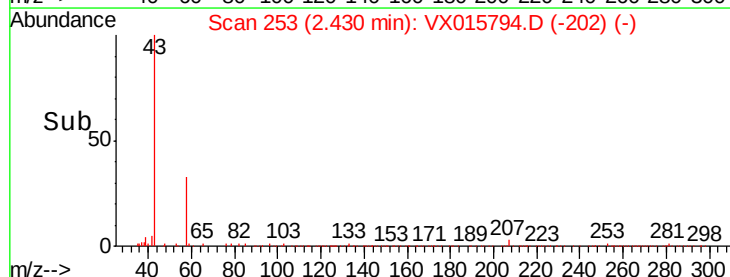
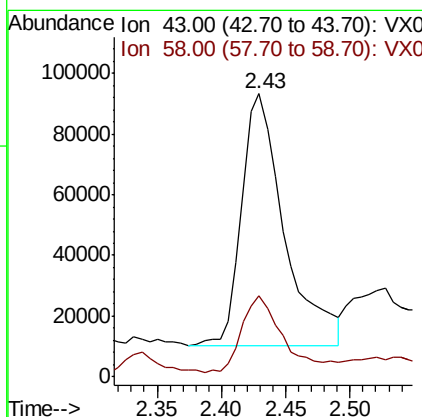
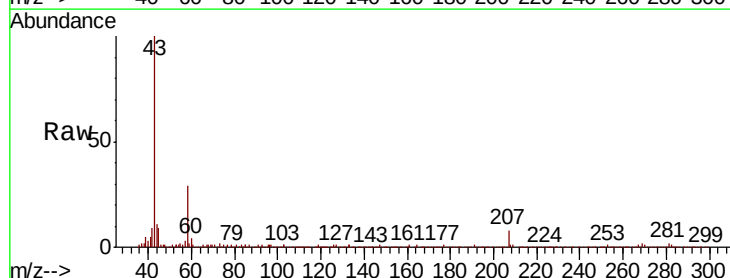
Instrument :
MSVOA_X
ClientSampleId :
TP-1-S

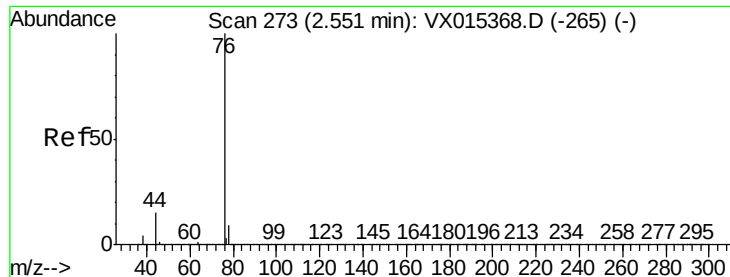
Tot Ion: 56 Resp: 1891
Ion Ratio Lower Upper
56 100
55 67.4 57.0 85.4



#16
Acetone
Concen: 28.679 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.01 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

Tgt Ion: 43 Resp: 190951
Ion Ratio Lower Upper
43 100
58 29.6 22.1 33.1





#17

Carbon Disulfide

Concen: 2.440 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015794.D

Acq: 21 Apr 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

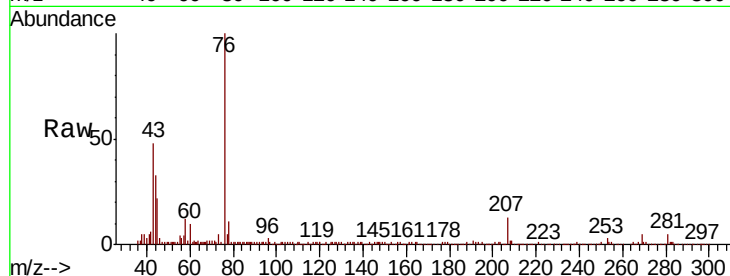
TP-1-S

Tot Ion: 76 Resp: 77227

Ion Ratio Lower Upper

76 100

78 10.0 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

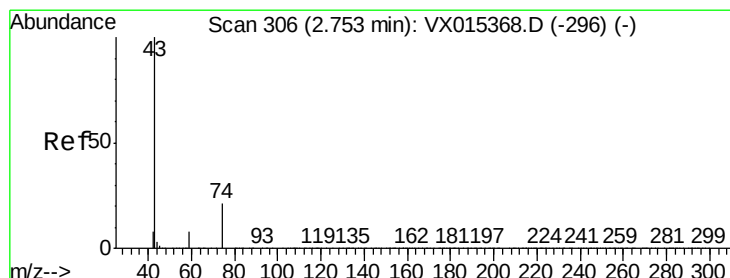
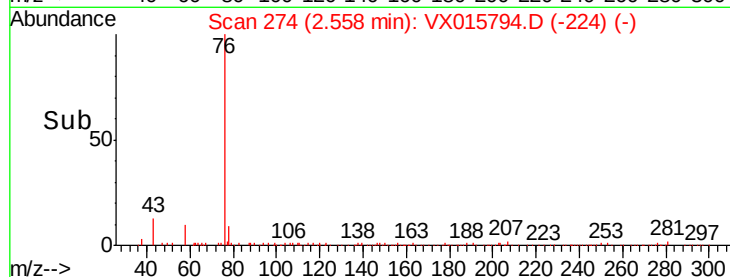
20000

10000

0

Time-->

2.50 2.55 2.60



#18

Methyl Acetate

Concen: 1.211 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015794.D

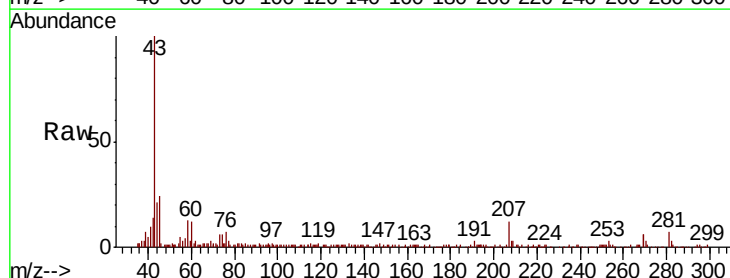
Acq: 21 Apr 2020 15:08

Tgt Ion: 43 Resp: 20574

Ion Ratio Lower Upper

43 100

74 22.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

30000

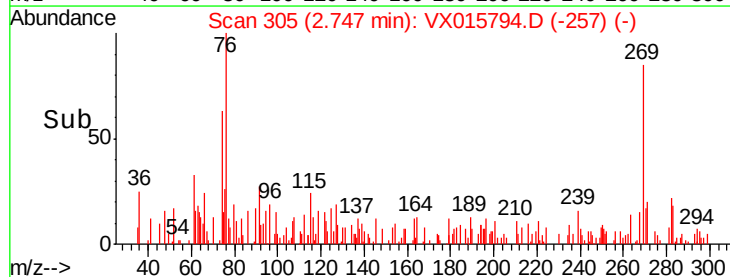
20000

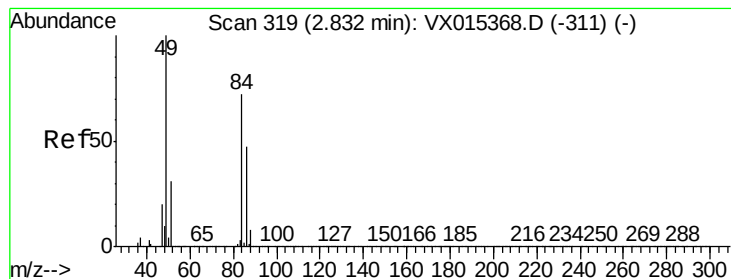
10000

0

Time-->

2.70 2.75 2.80





#20

Methvlene Chloride

Concen: 3.742 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.01 min

Lab File: VX015794.D

Acq: 21 Apr 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

TP-1-S

Tot Ion: 84 Resp: 46541

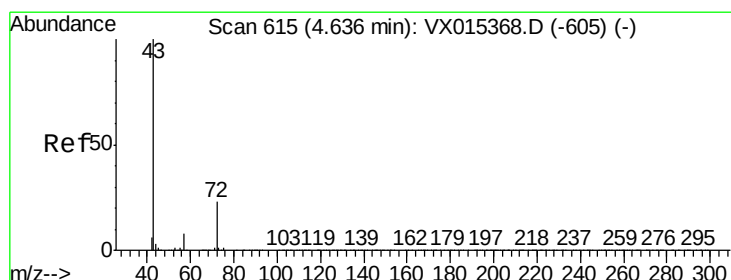
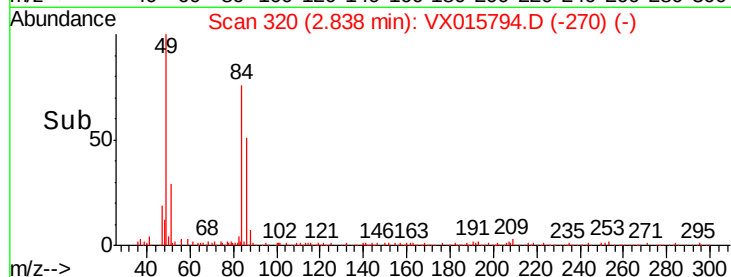
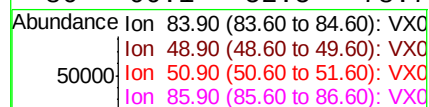
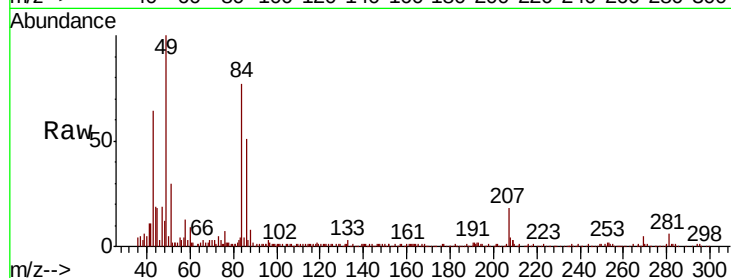
Ion Ratio Lower Upper

84 100

49 130.0 111.3 166.9

51 37.3 34.0 51.0

86 66.1 52.5 78.7



#25

2-Butanone

Concen: 3.589 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015794.D

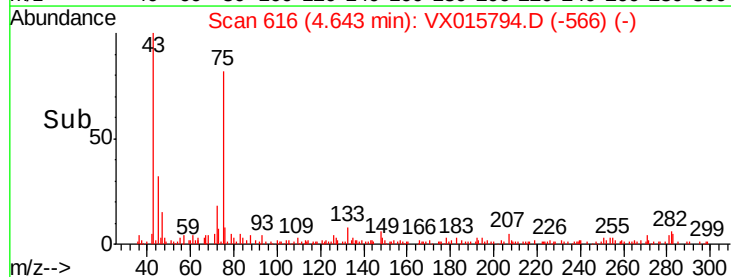
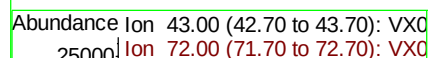
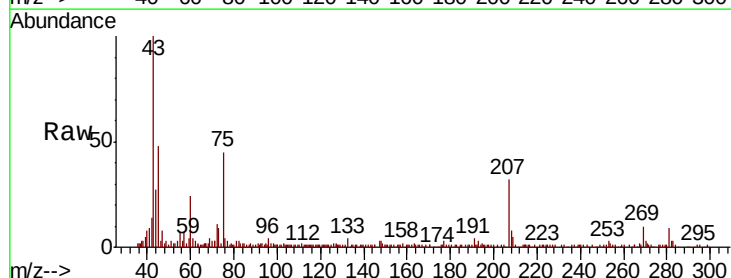
Acq: 21 Apr 2020 15:08

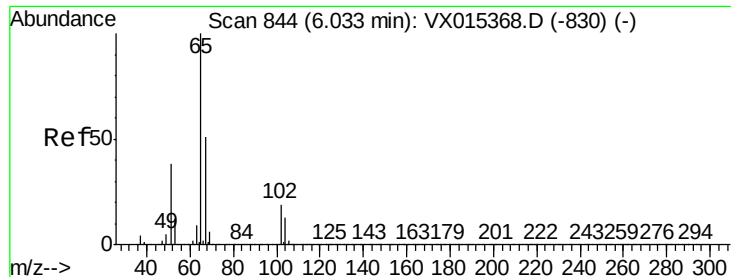
Tgt Ion: 43 Resp: 38430

Ion Ratio Lower Upper

43 100

72 17.2 19.0 28.4#

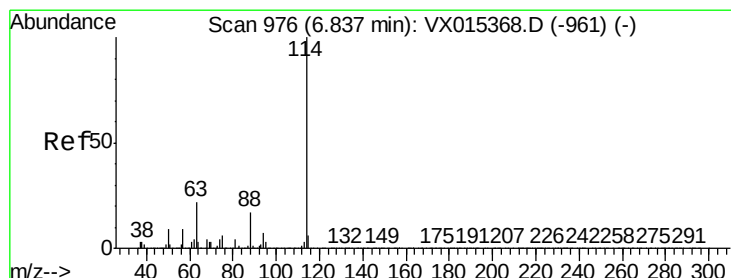
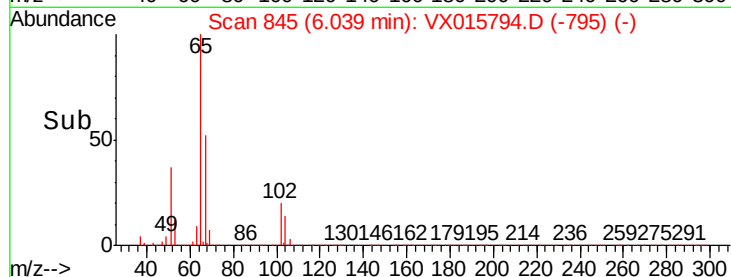
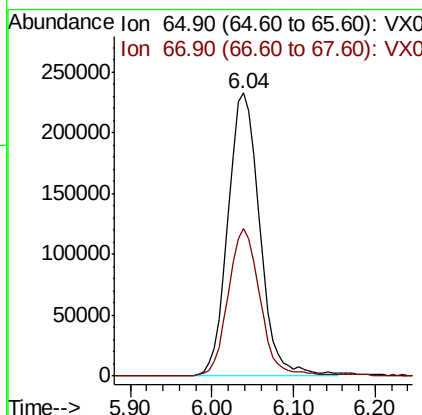
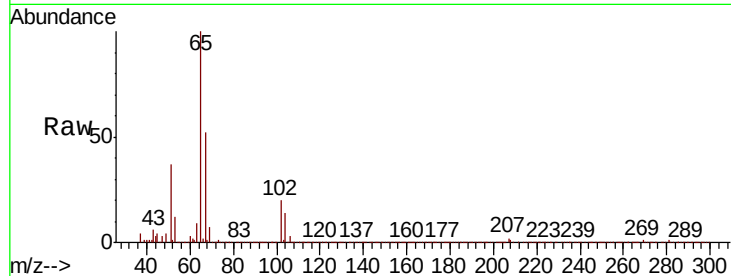




#33
 1,2-Dichloroethane-d4
 Concen: 40.223 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015794.D
 Acq: 21 Apr 2020 15:08

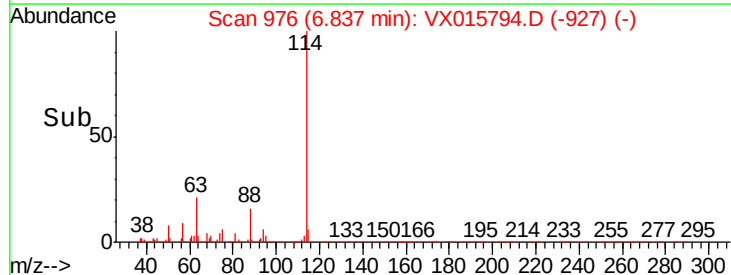
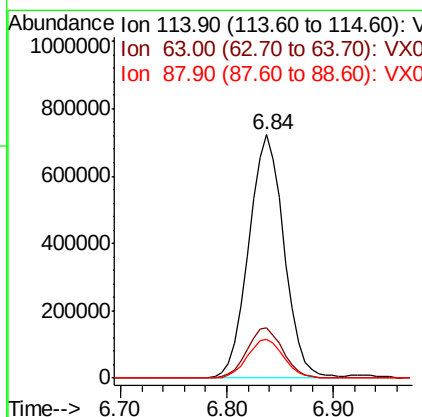
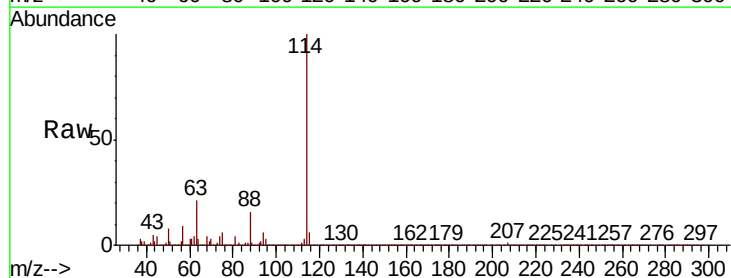
Instrument :
 MSVOA_X
 ClientSampled :
 TP-1-S

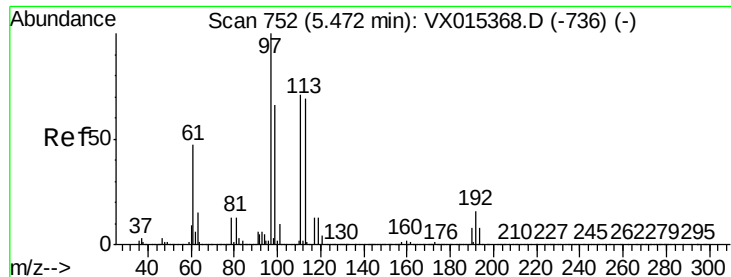
Tot Ion: 65 Resp: 623379
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015794.D
 Acq: 21 Apr 2020 15:08

Tgt Ion: 114 Resp: 1684832
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 44.2
 88 15.8 0.0 33.8

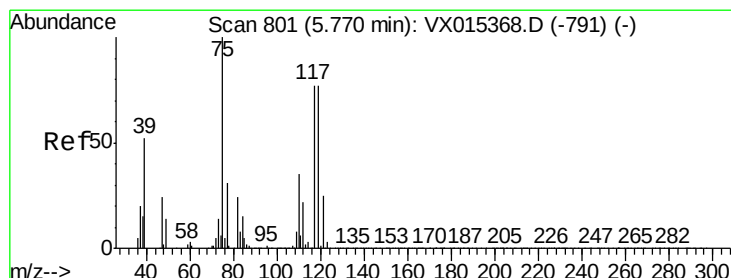
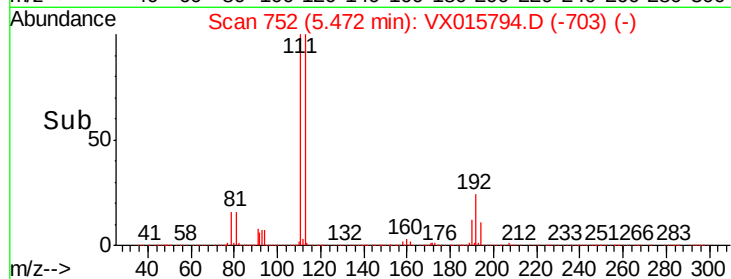
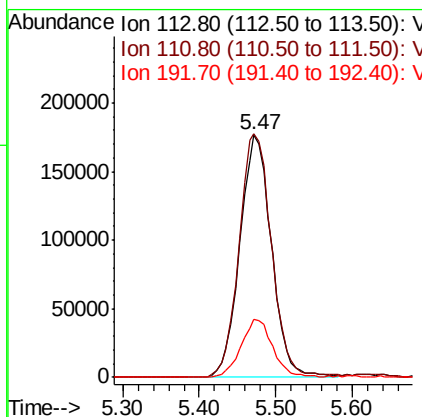
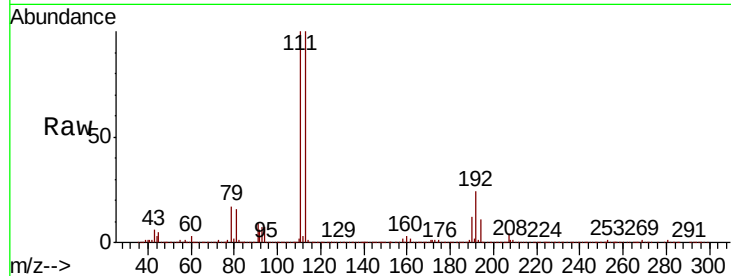




#35
 Dibromofluoromethane
 Concen: 47.030 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015794.D
 Acq: 21 Apr 2020 15:08

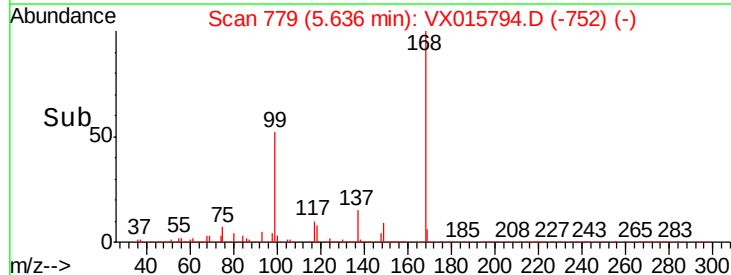
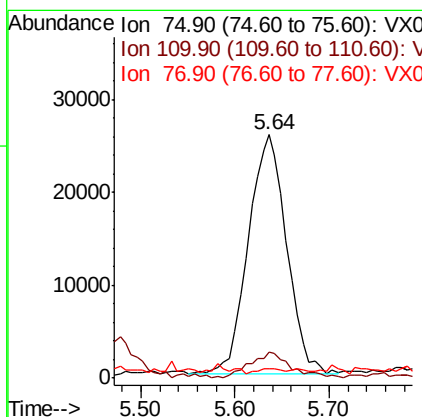
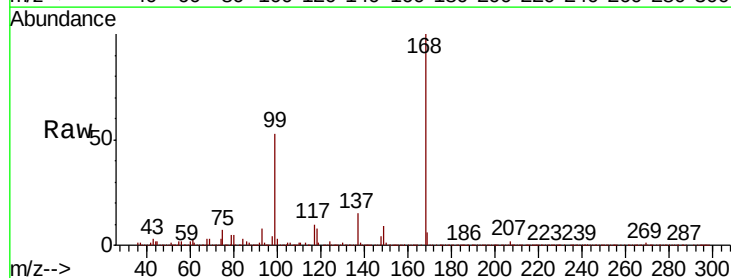
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-S

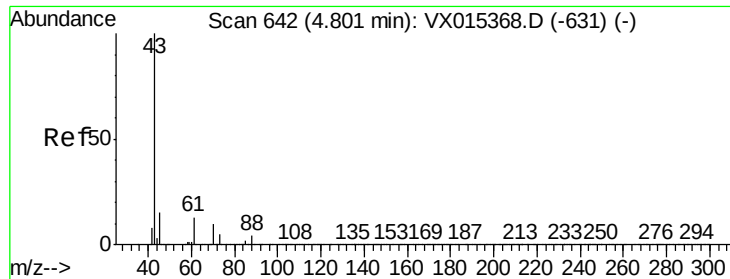
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	23.7	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015794.D
 Acq: 21 Apr 2020 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.1	51.3#
77	1.5	24.6	36.8#

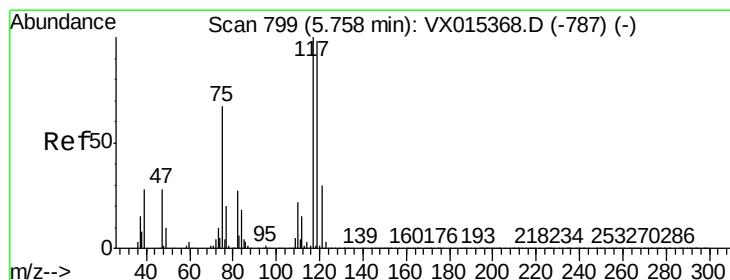
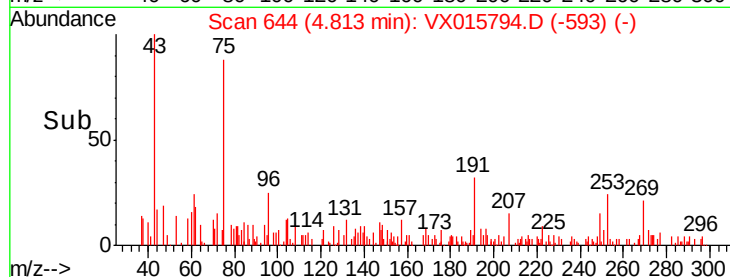
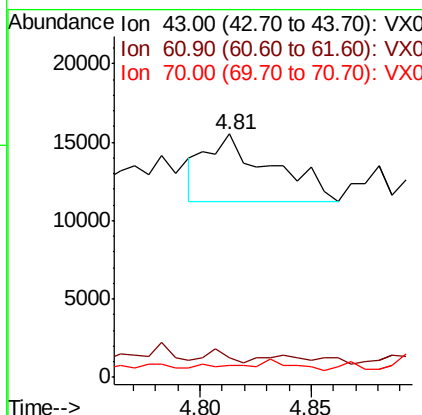
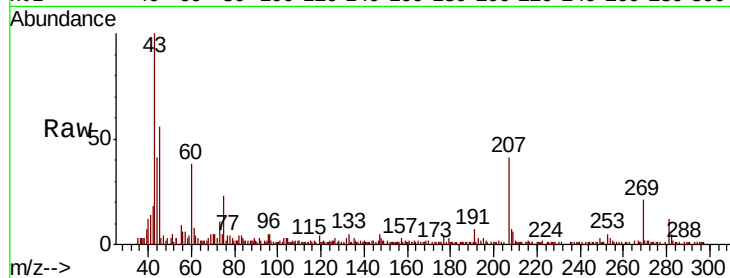




#37
Ethyl Acetate
Concen: 0.434 ug/l
RT: 4.81 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

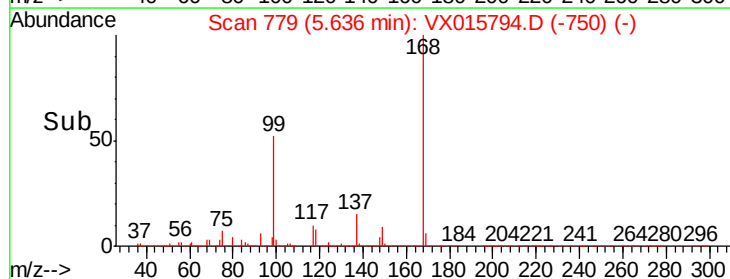
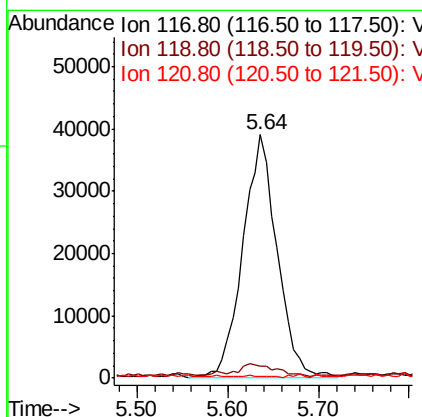
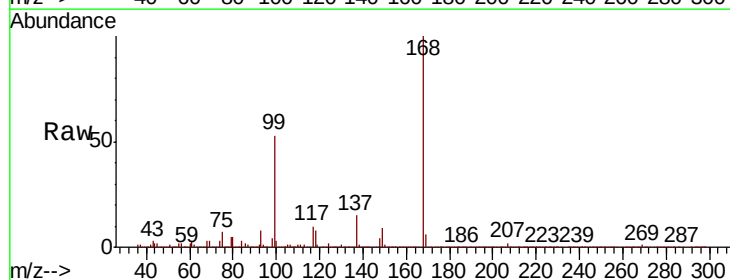
Instrument :
MSVOA_X
ClientSampleId :
TP-1-S

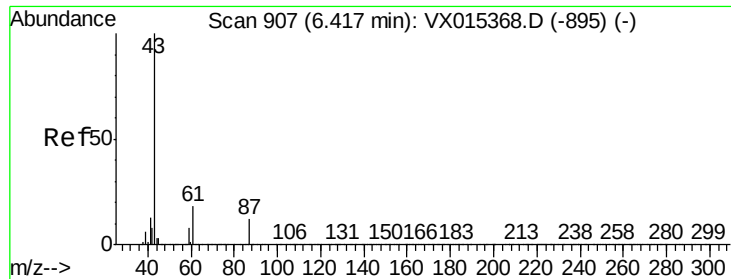
Tot Ion: 43 Resp: 8763
Ion Ratio Lower Upper
43 100
61 6.3 9.9 14.9#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.024 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

Tgt Ion: 117 Resp: 101283
Ion Ratio Lower Upper
117 100
119 3.7 78.0 117.0#
121 0.0 23.8 35.8#



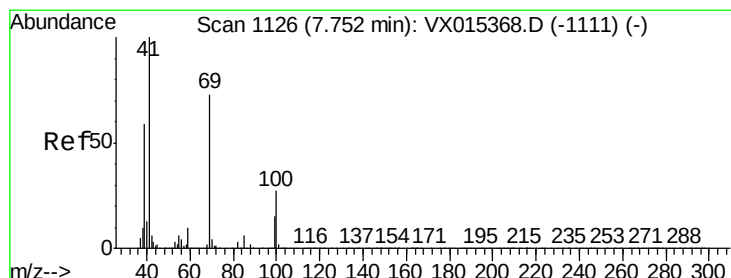
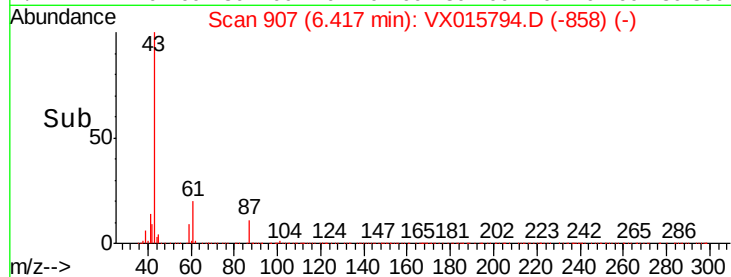
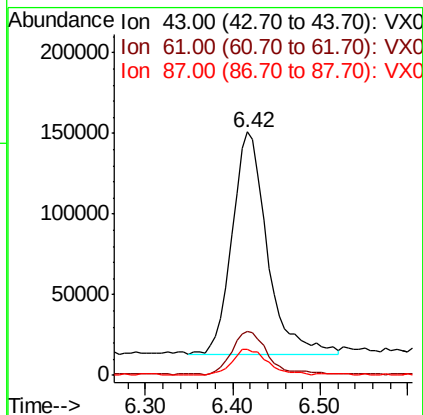
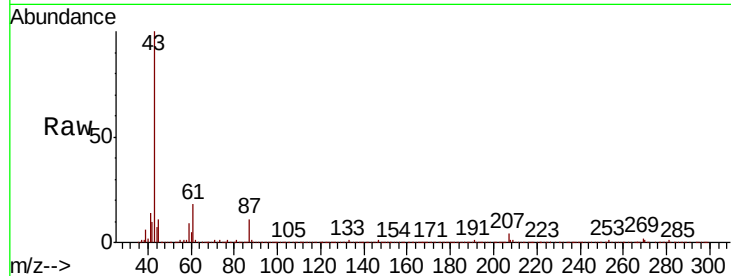


#43

Isopropyl Acetate
 Concen: 11.419 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VX015794.D
 Acq: 21 Apr 2020 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-S

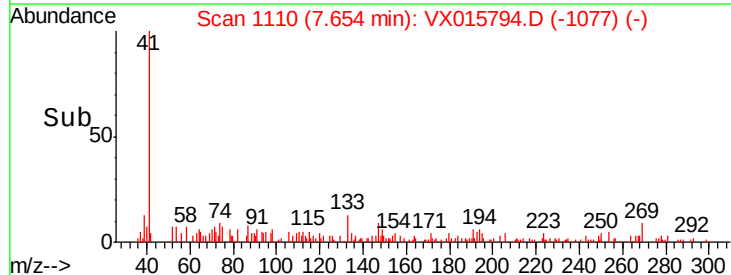
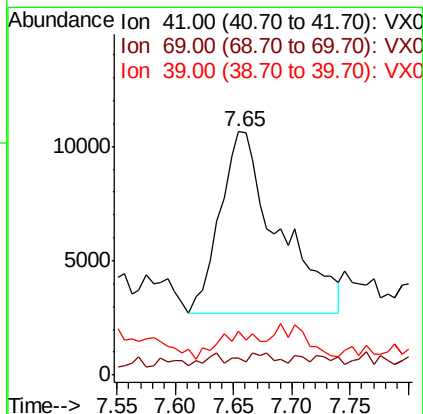
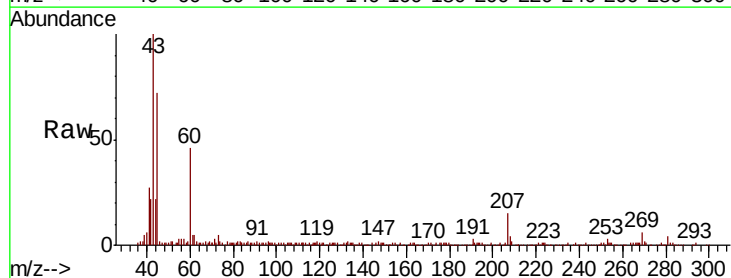
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.8	22.2
87	11.8	9.4	14.0

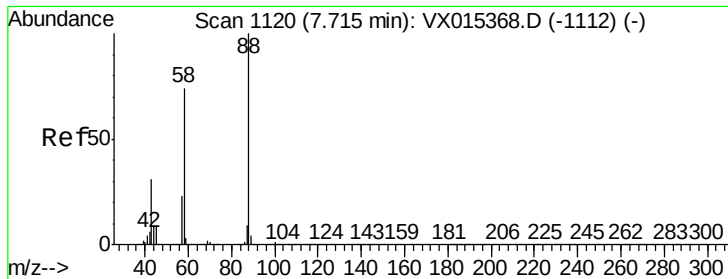


#48

Methyl methacrylate
 Concen: 1.611 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.10 min
 Lab File: VX015794.D
 Acq: 21 Apr 2020 15:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	2.1	56.7	85.1#
39	0.0	46.5	69.7#





#49

1,4-Dioxane

Concen: 16.324 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VX015794.D

Acq: 21 Apr 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

TP-1-S

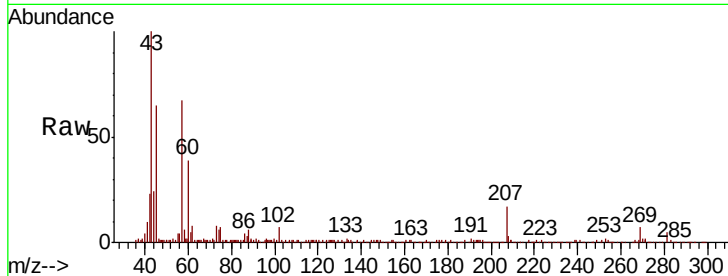
Tot Ion: 88 Resp: 5190

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

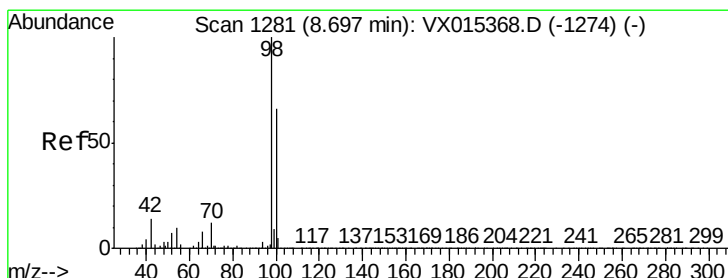
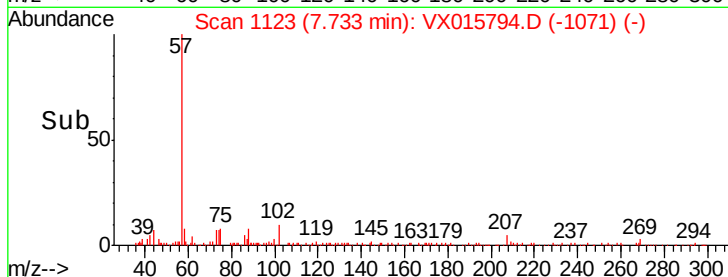
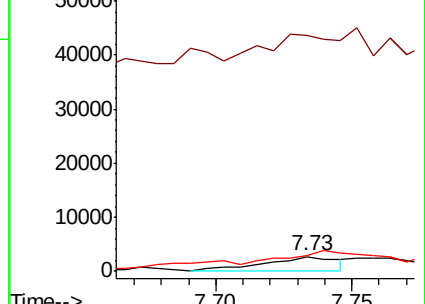
58 236.7 60.6 90.8#



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: 50.893 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015794.D

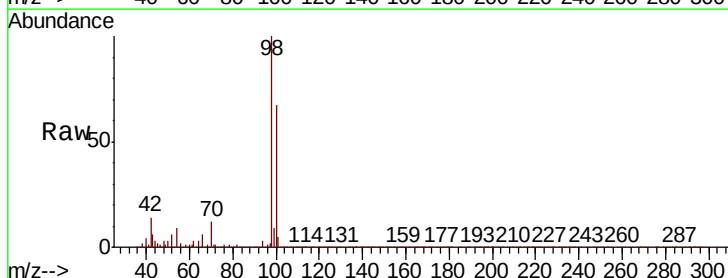
Acq: 21 Apr 2020 15:08

Tgt Ion: 98 Resp: 2018003

Ion Ratio Lower Upper

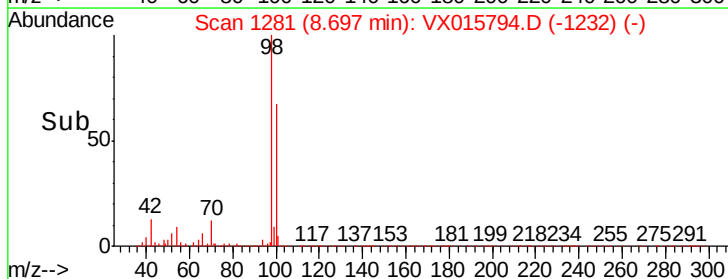
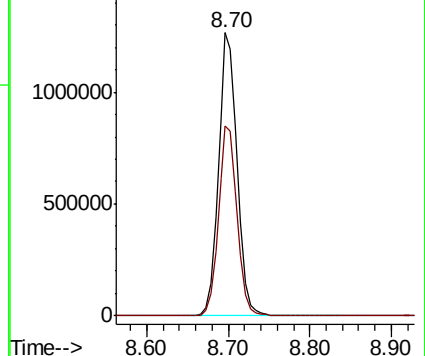
98 100

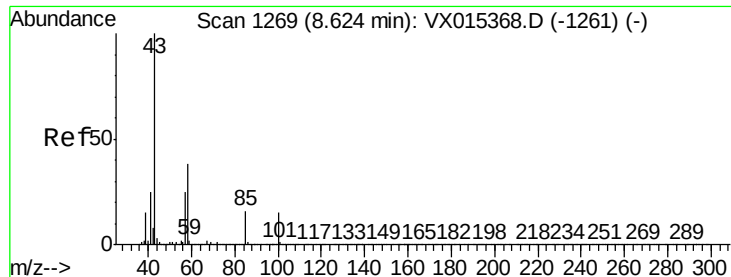
100 66.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

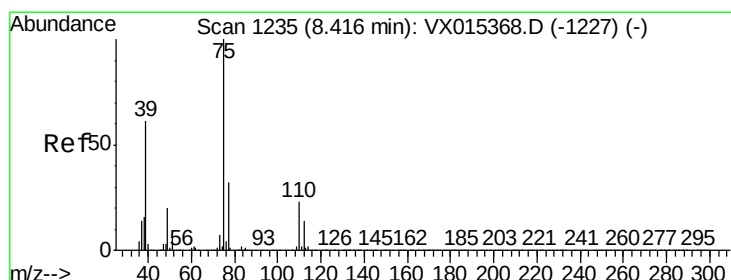
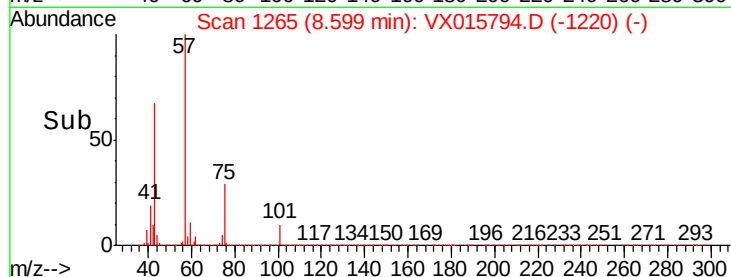
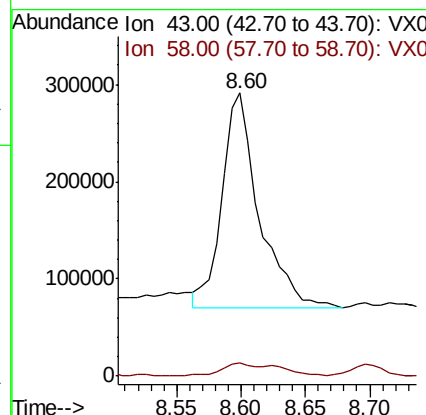
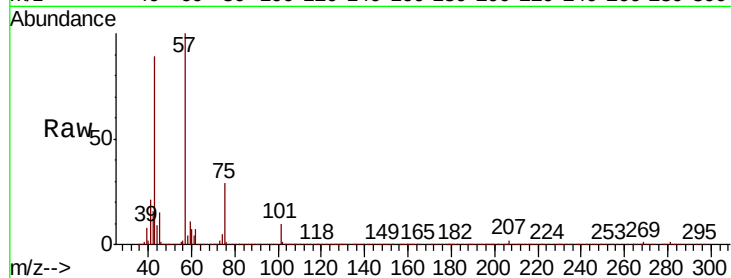




#51
4-Methyl-2-Pentanone
Concen: 23.059 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

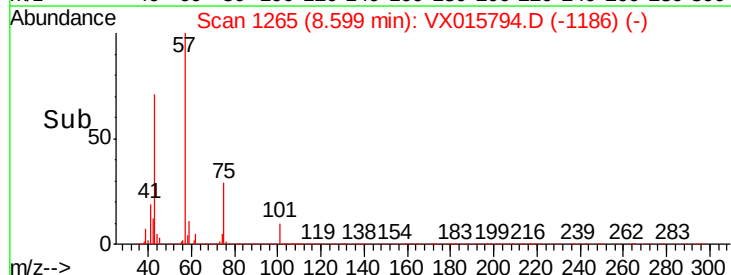
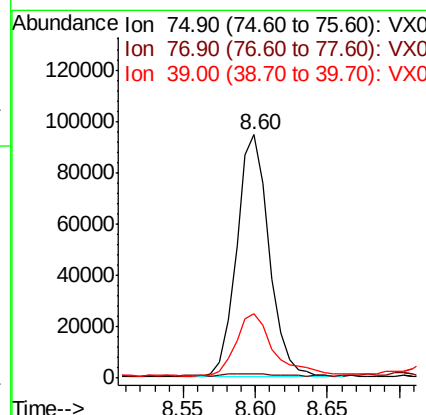
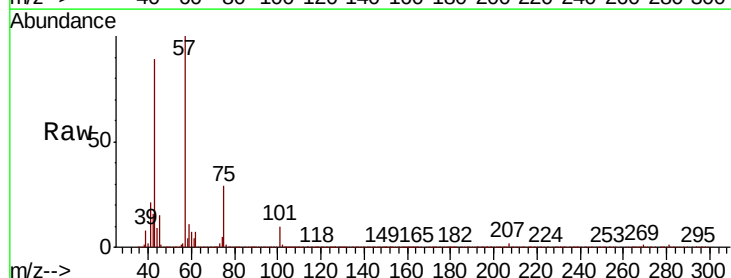
Instrument :
MSVOA_X
ClientSampleId :
TP-1-S

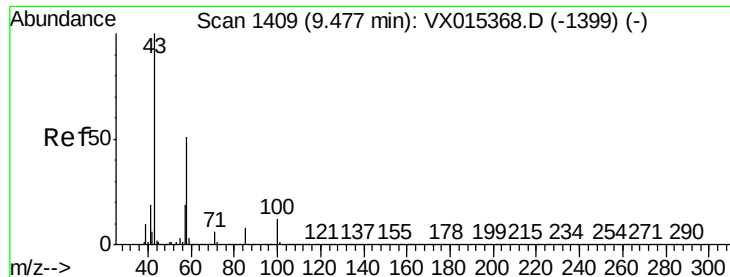
Tot Ion: 43 Resp: 445900
Ion Ratio Lower Upper
43 100
58 4.5 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 7.111 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. 0.18 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

Tgt Ion: 75 Resp: 147723
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.6#
39 25.9 49.0 73.4#

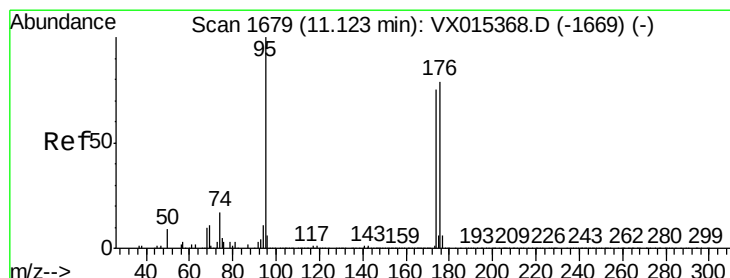
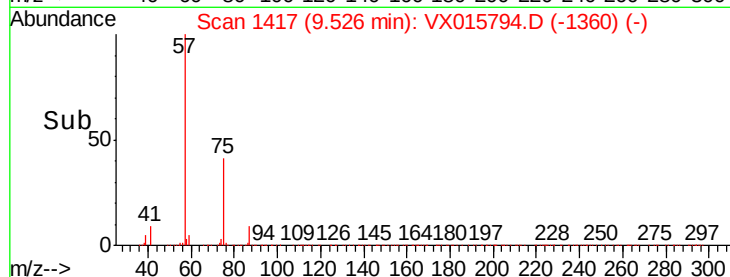
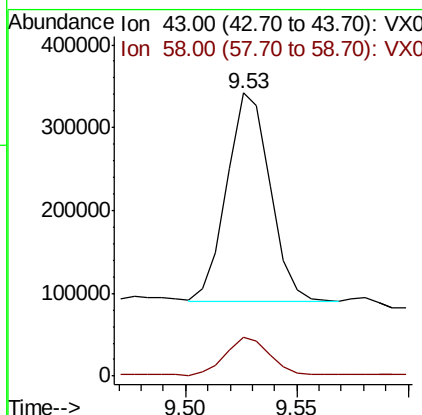
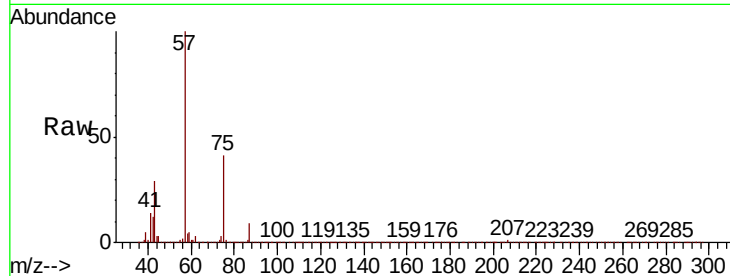




#59
2-Hexanone
Concen: 23.308 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

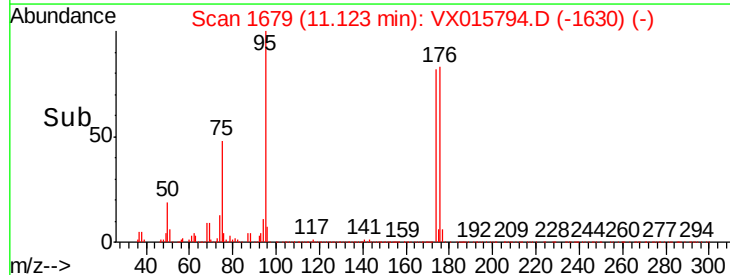
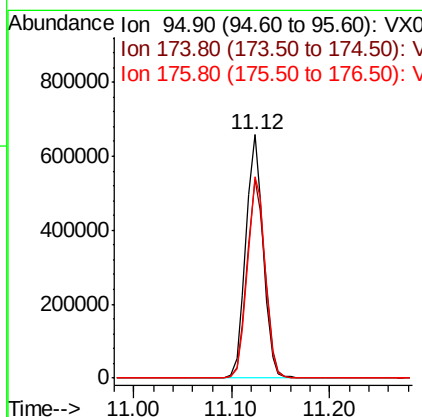
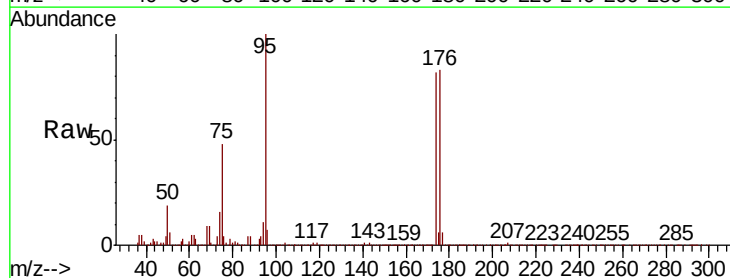
Instrument :
MSVOA_X
ClientSampleId :
TP-1-S

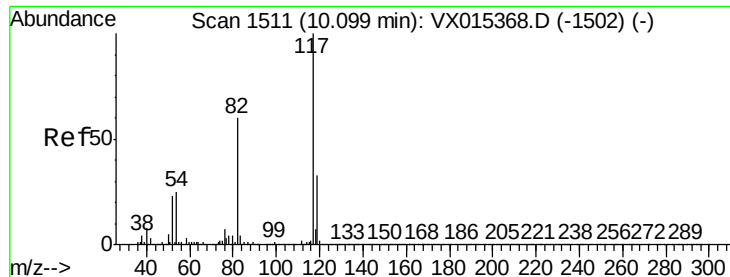
Tot Ion: 43 Resp: 340281
Ion Ratio Lower Upper
43 100
58 19.1 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 50.540 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

Tgt Ion: 95 Resp: 814432
Ion Ratio Lower Upper
95 100
174 84.6 0.0 158.6
176 84.2 0.0 159.0

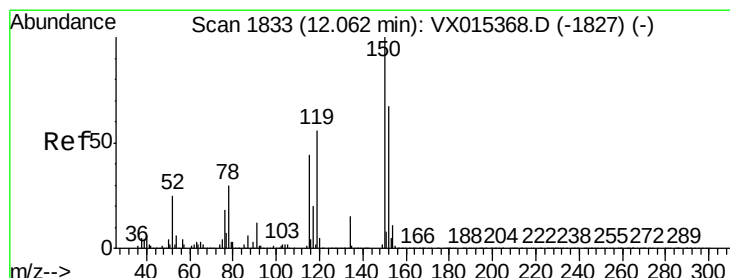
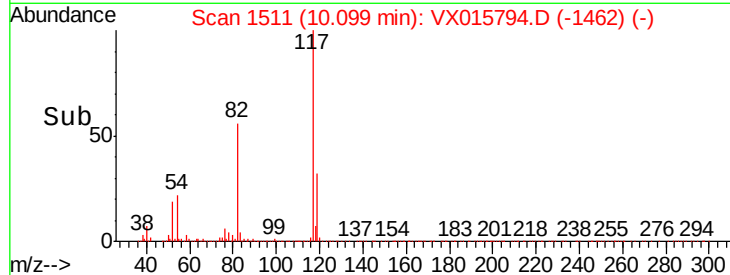
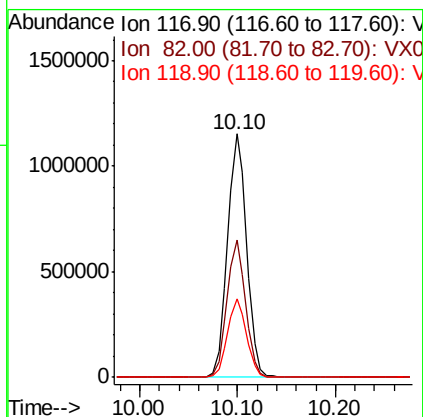
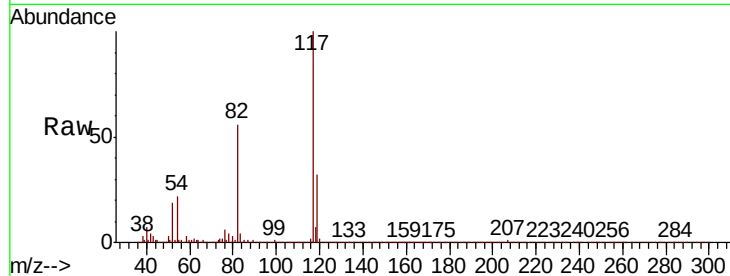




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

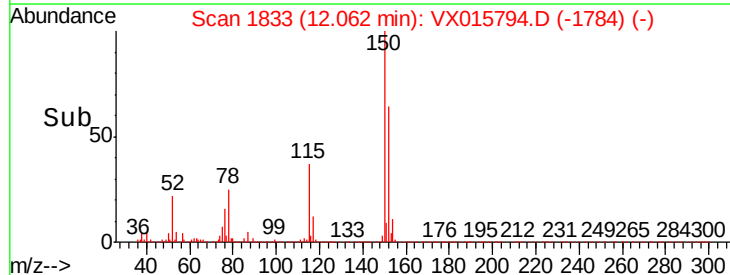
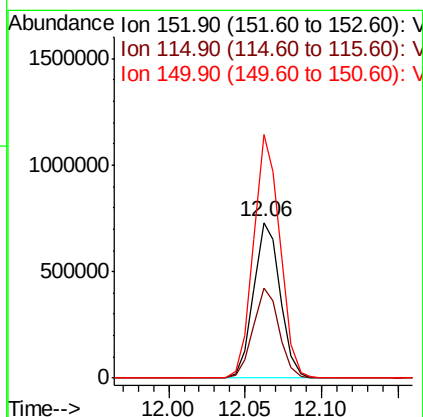
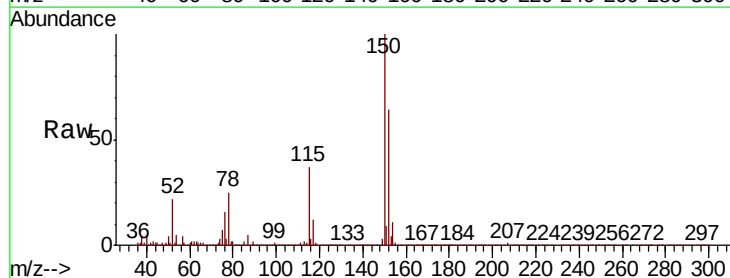
Instrument :
MSVOA_X
ClientSampleId :
TP-1-S

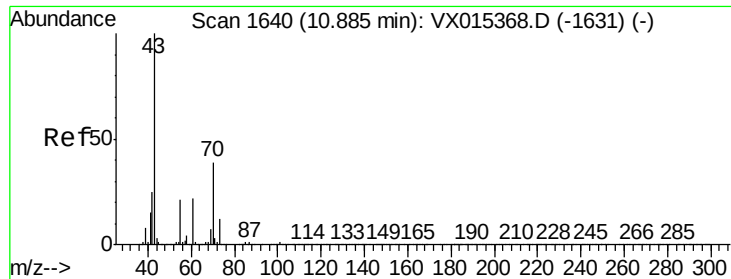
Tot Ion:117 Resp: 1563791
Ion Ratio Lower Upper
117 100
82 56.2 47.8 71.8
119 32.2 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

Tgt Ion:152 Resp: 883731
Ion Ratio Lower Upper
152 100
115 56.9 39.0 116.9
150 155.5 0.0 340.8

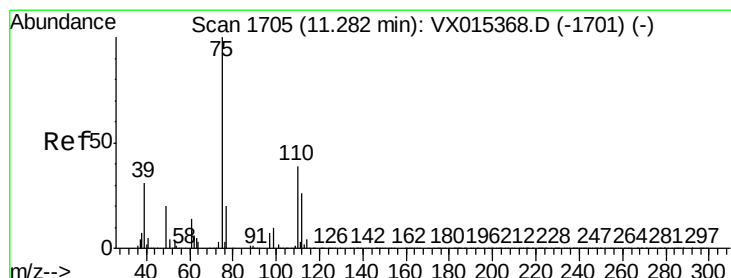
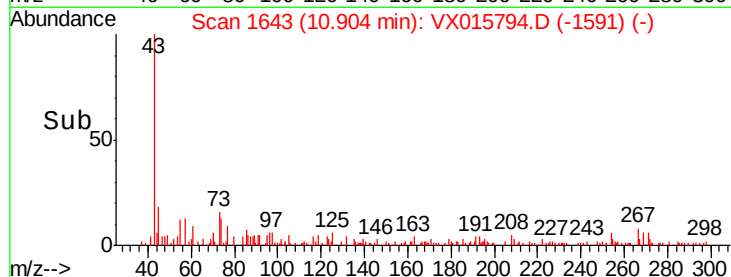
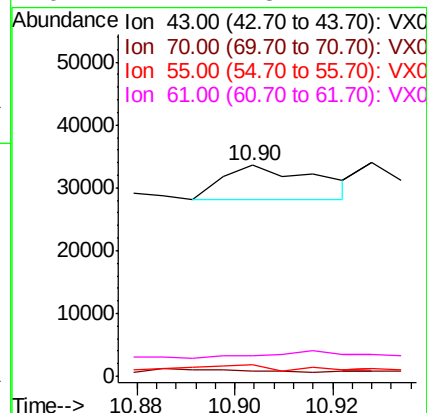
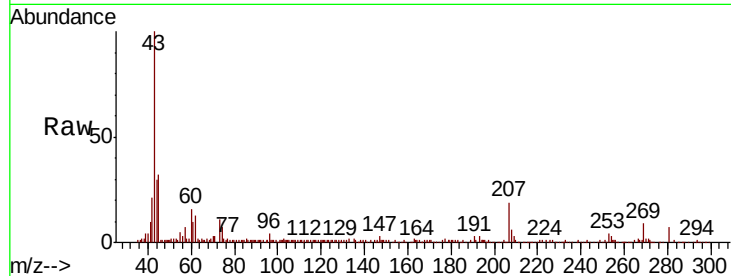




#74
N-amvl acetate
Concen: 0.232 ug/l
RT: 10.90 min Scan# 1643
Delta R.T. 0.02 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

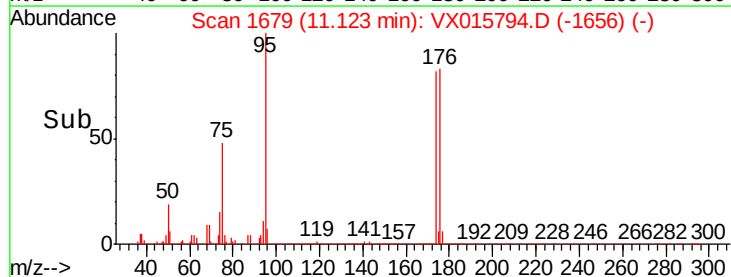
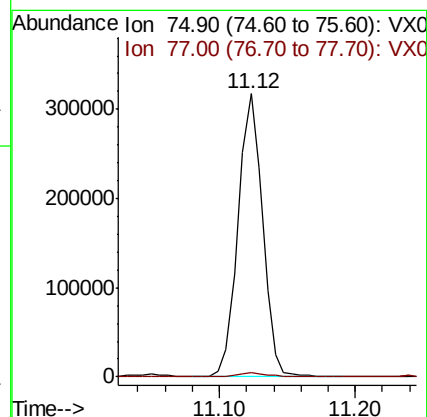
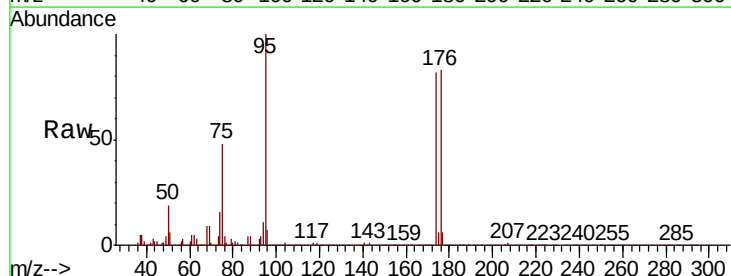
Instrument :
MSVOA_X
ClientSampled :
TP-1-S

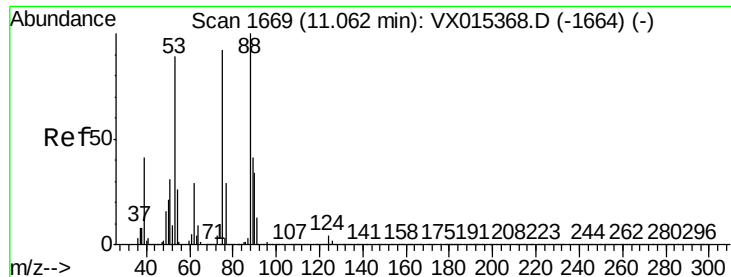
Tot Ion:	43	Resp:	7474
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.2	45.4#
55	10.9	16.8	25.2#
61	24.4	18.2	27.2



#76
1,2,3-Trichloropropane
Concen: 21.841 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015794.D
Acq: 21 Apr 2020 15:08

Tgt Ion:	75	Resp:	396927
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.2	63.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 52.407 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015794.D

Acq: 21 Apr 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

TP-1-S

Tot Ion: 75 Resp: 396927

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.1 36.1 54.1#

