

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015802.D
 Acq On : 21 Apr 2020 18:09
 Operator : JC/SP
 Sample : L2331-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-22A

Quant Time: Apr 22 04:20:56 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	999374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1535586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1496493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	856375	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	562288	39.89	ug/l	0.00
Spiked Amount			Recovery	=	79.78%	
35) Dibromofluoromethane	5.47	113	449796	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
50) Toluene-d8	8.70	98	1859183	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.12	95	785307	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	

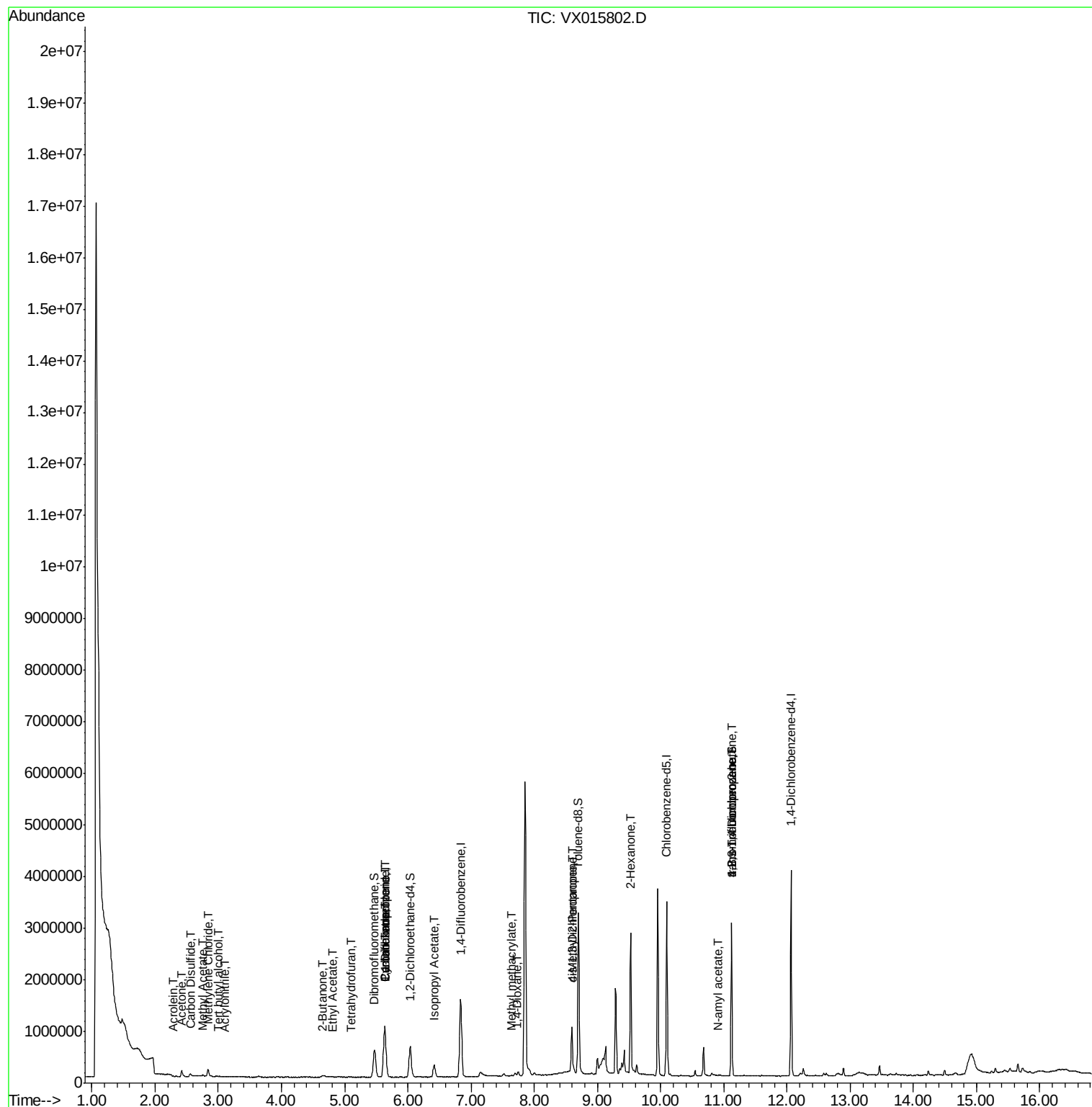
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	421	Below Cal	#	34
11) Tert butyl alcohol	3.00	59	6110	1.811	ug/l #	94
13) Acrolein	2.28	56	760	0.395	ug/l #	14
15) Acrylonitrile	3.11	53	1363	0.212	ug/l #	55
16) Acetone	2.42	43	145203	23.978	ug/l	93
17) Carbon Disulfide	2.56	76	83833	2.913	ug/l	99
18) Methyl Acetate	2.76	43	28079	1.817	ug/l #	89
20) Methylene Chloride	2.84	84	62162	5.496	ug/l	97
25) 2-Butanone	4.65	43	30947	3.178	ug/l #	88
29) Tetrahydrofuran	5.11	42	4864	0.777	ug/l #	67
31) Cyclohexane	5.64	56	18733	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	72546	5.127	ug/l #	53
37) Ethyl Acetate	4.81	43	4361	0.237	ug/l #	80
38) Carbon Tetrachloride	5.64	117	89931	5.868	ug/l #	16
43) Isopropyl Acetate	6.42	43	341389	10.977	ug/l	97
48) Methyl methacrylate	7.65	41	20275	1.305	ug/l #	19
49) 1,4-Dioxane	7.73	88	4328	14.935	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	402894	22.860	ug/l #	46
54) cis-1,3-Dichloropropene	8.60	75	142935	7.549	ug/l #	49
59) 2-Hexanone	9.53	43	399112	29.994	ug/l #	48
74) N-amyl acetate	10.92	43	11072	0.355	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	375335	21.313	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	375335	51.139	ug/l #	10

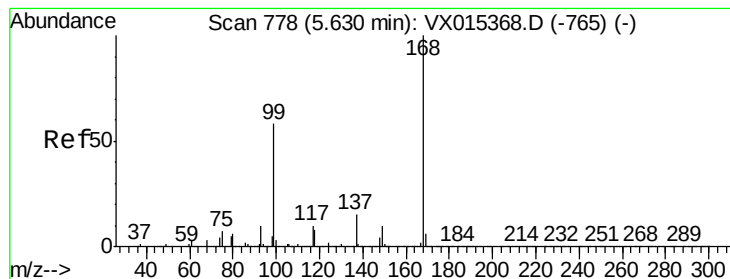
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX015802.D
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Quant Time: Apr 22 04:20:56 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: VX015802.D

Acq: 21 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

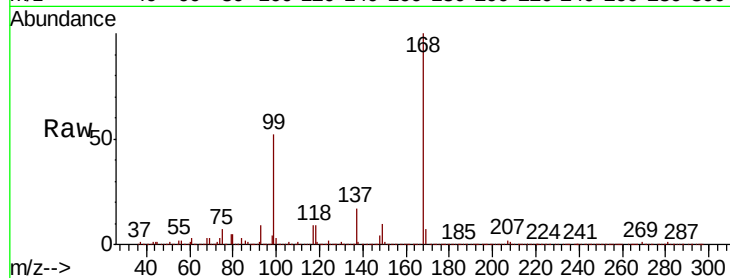
TP-22A

Tot Ion:168 Resp: 999374

Ion Ratio Lower Upper

168 100

99 52.0 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

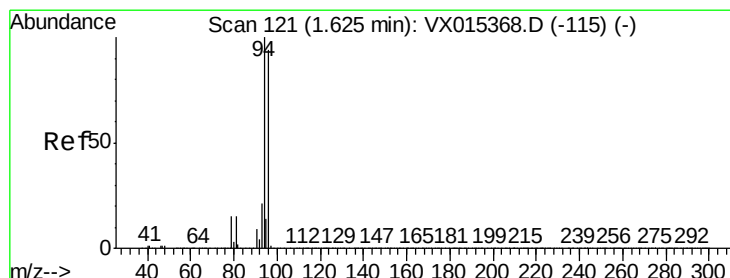
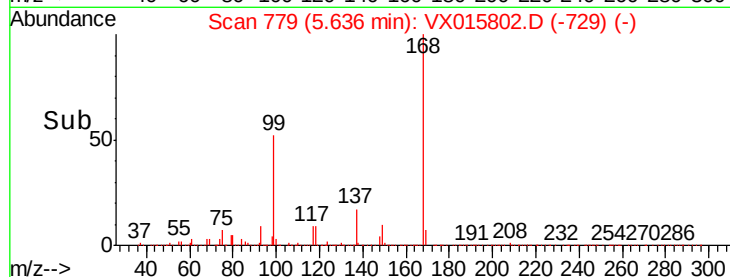
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015802.D

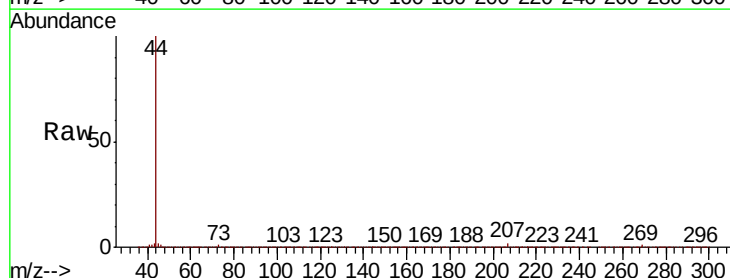
Acq: 21 Apr 2020 18:09

Tgt Ion: 94 Resp: 421

Ion Ratio Lower Upper

94 100

96 30.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

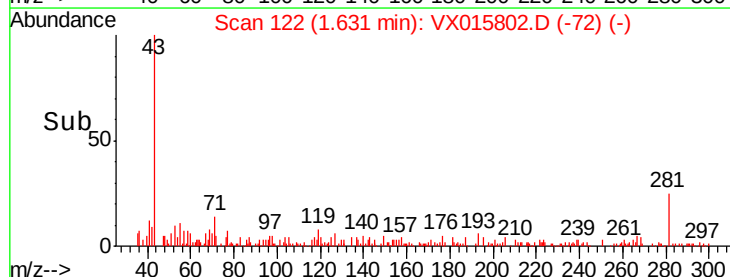
1500

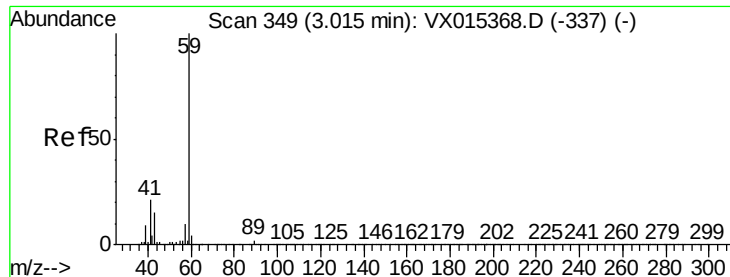
1000

500

0

Time-->



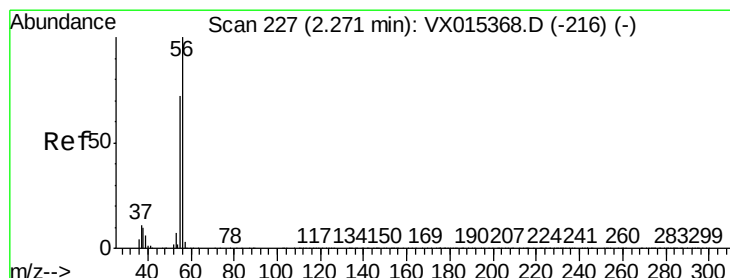
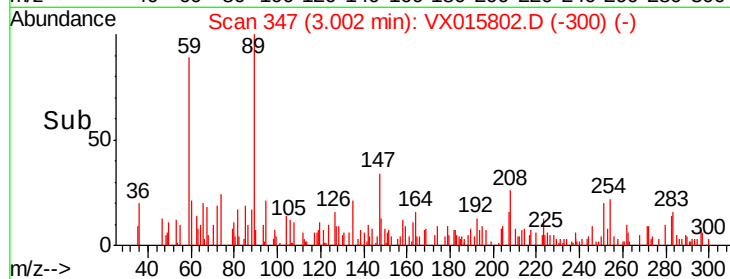
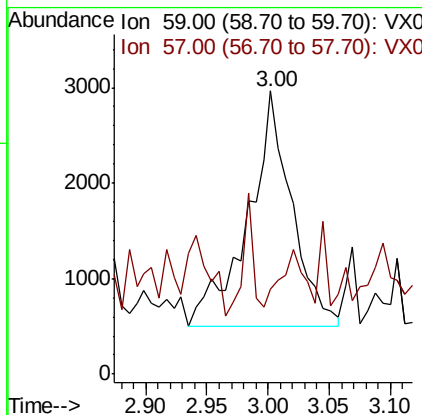
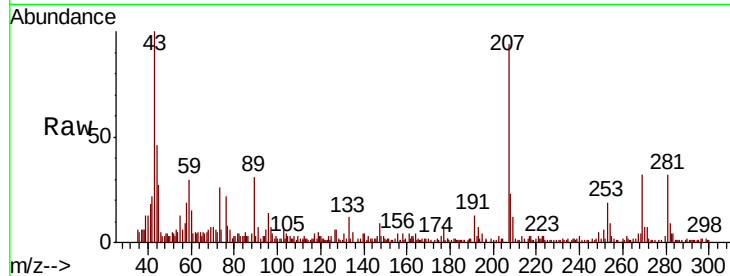


#11

Tert butyl alcohol
Concen: 1.811 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Instrument :
MSVOA_X
ClientSampleId :
TP-22A

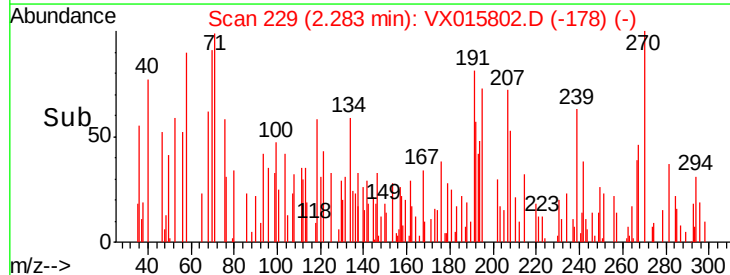
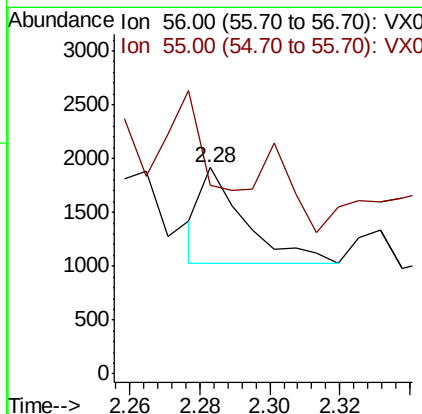
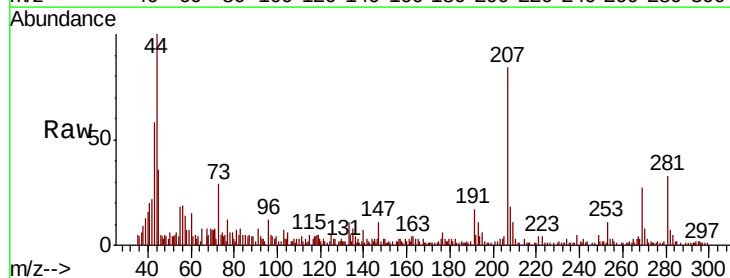
Tot Ion: 59 Resp: 6110
Ion Ratio Lower Upper
59 100
57 12.2 8.1 12.1#

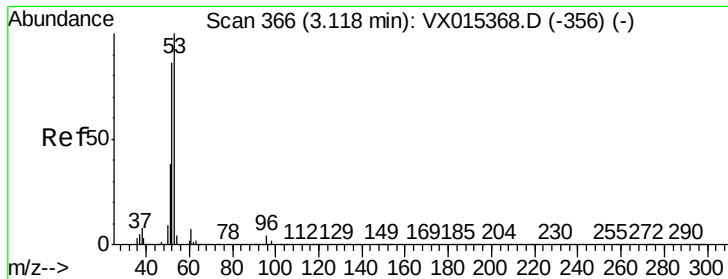


#13

Acrolein
Concen: 0.395 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Tgt Ion: 56 Resp: 760
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015802.D

Acq: 21 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampled :

TP-22A

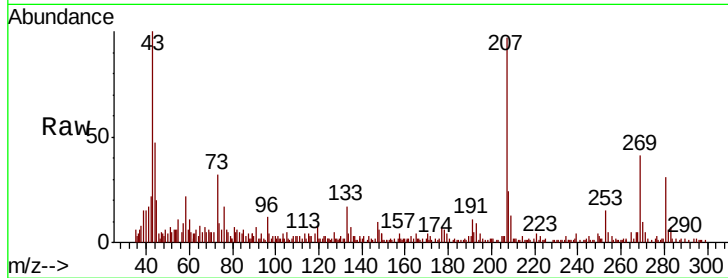
Tot Ion: 53 Resp: 1363

Ion Ratio Lower Upper

53 100

52 49.5 66.8 100.2#

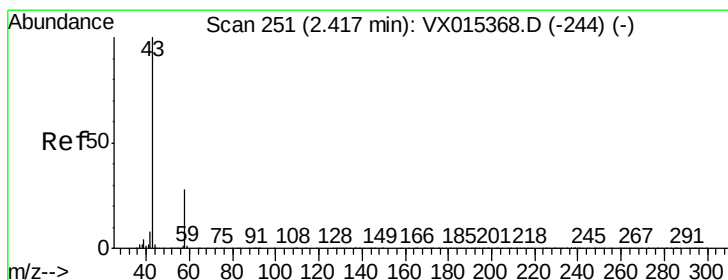
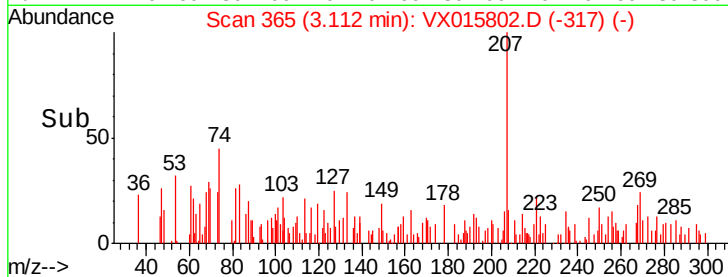
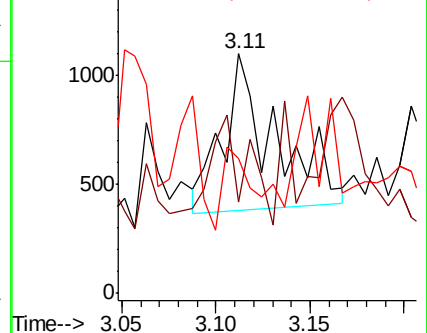
51 0.0 29.5 44.3#



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: 23.978 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015802.D

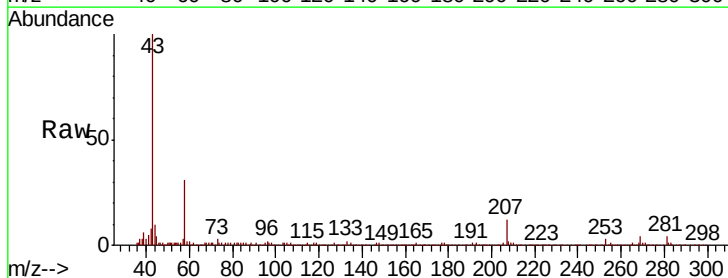
Acq: 21 Apr 2020 18:09

Tgt Ion: 43 Resp: 145203

Ion Ratio Lower Upper

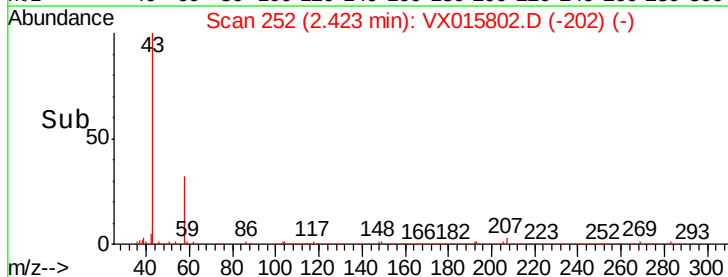
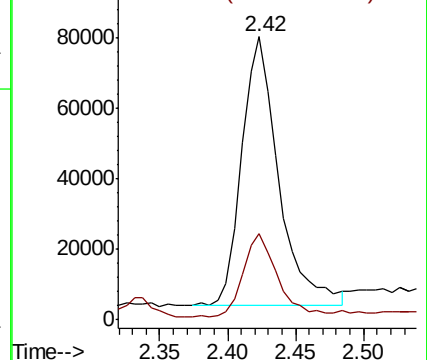
43 100

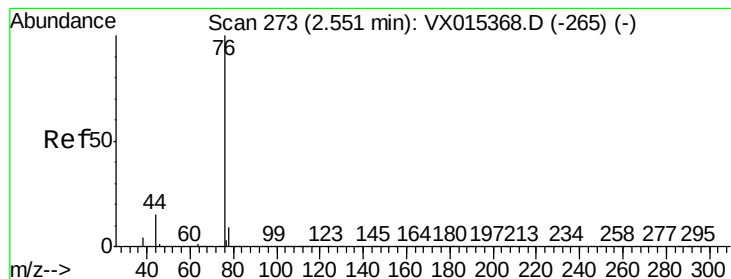
58 31.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 2.913 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015802.D

Acq: 21 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

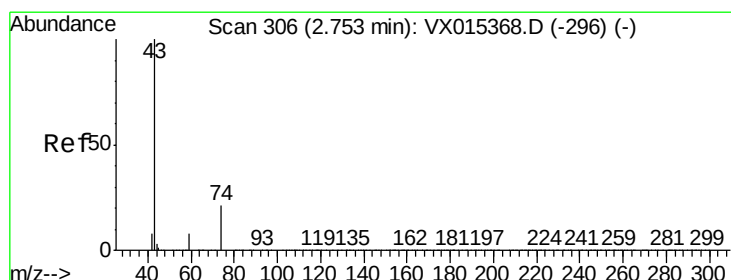
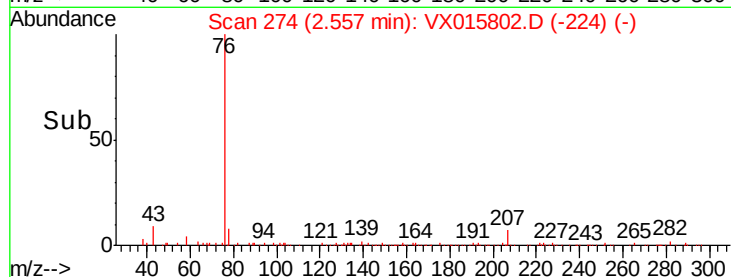
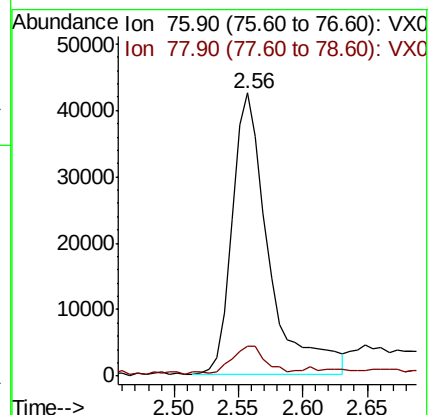
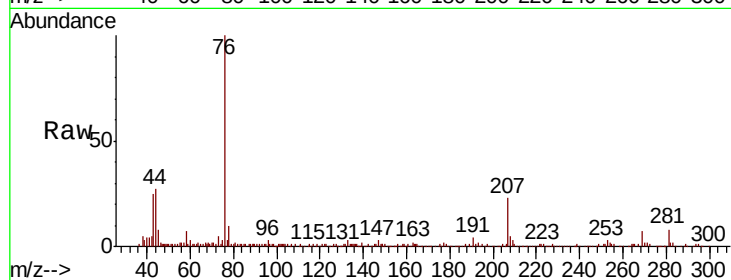
TP-22A

Tot Ion: 76 Resp: 83833

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 1.817 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX015802.D

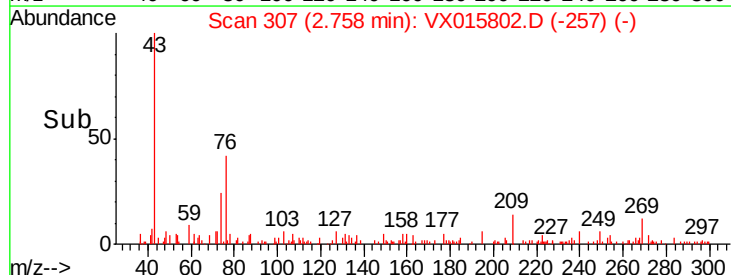
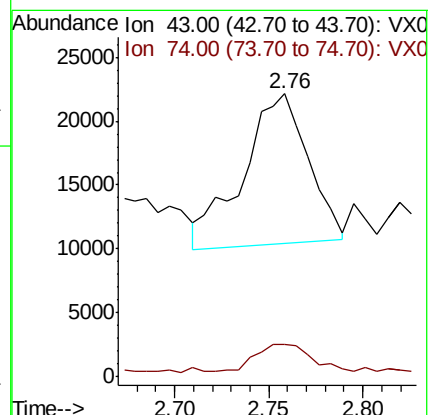
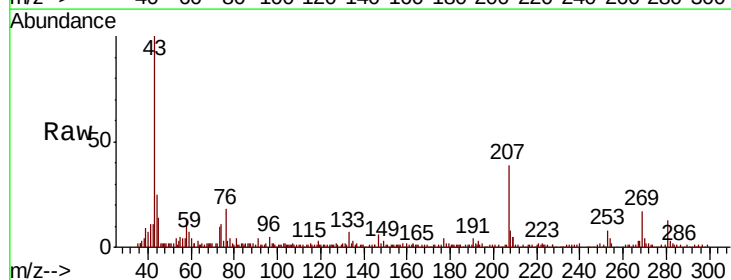
Acq: 21 Apr 2020 18:09

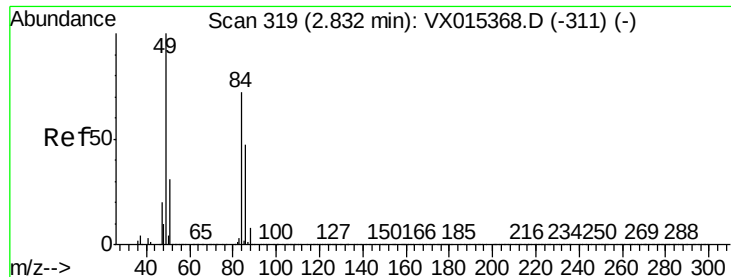
Tgt Ion: 43 Resp: 28079

Ion Ratio Lower Upper

43 100

74 15.6 16.5 24.7#

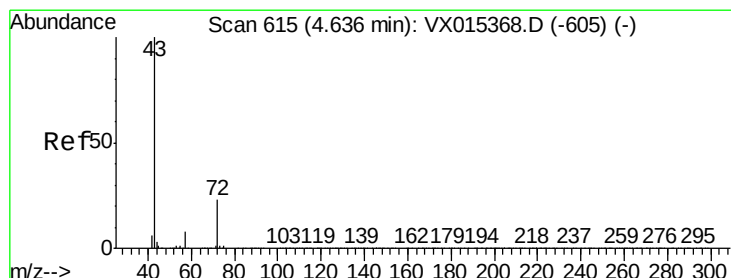
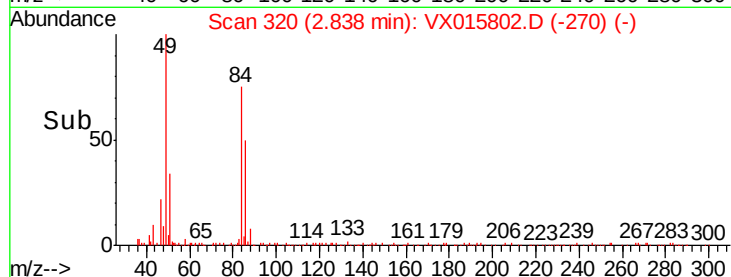
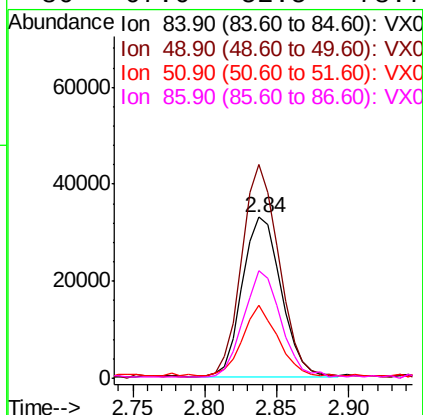
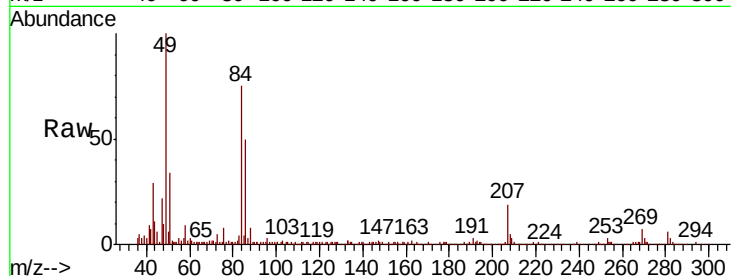




#20
Methylene Chloride
Concen: 5.496 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

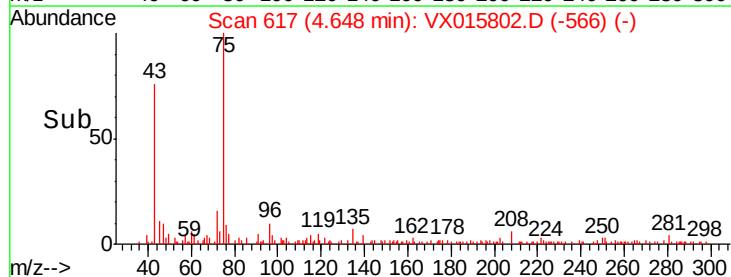
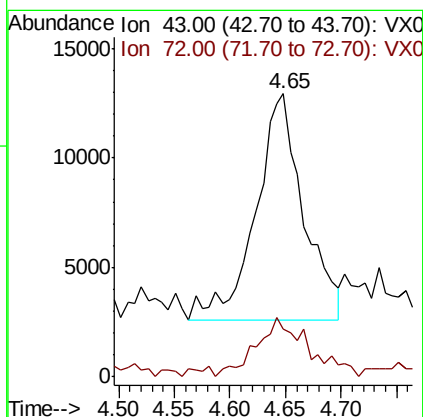
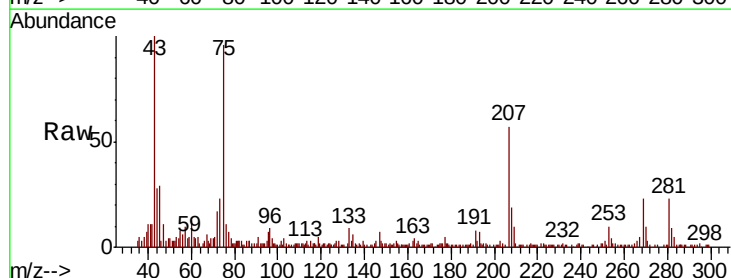
Instrument :
MSVOA_X
ClientSampled :
TP-22A

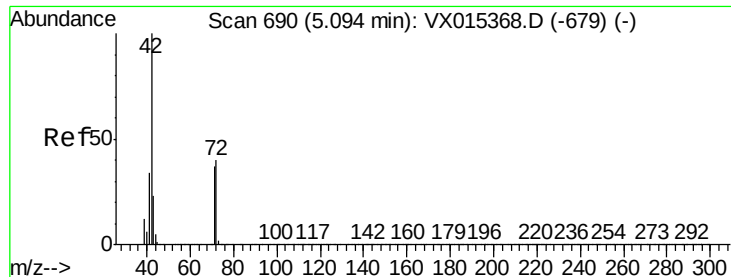
Tot Ion:	84	Resp:	62162
Ion	Ratio	Lower	Upper
84	100		
49	133.9	111.3	166.9
51	44.5	34.0	51.0
86	67.0	52.5	78.7



#25
2-Butanone
Concen: 3.178 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Tgt Ion:	43	Resp:	30947
Ion	Ratio	Lower	Upper
43	100		
72	17.9	19.0	28.4#

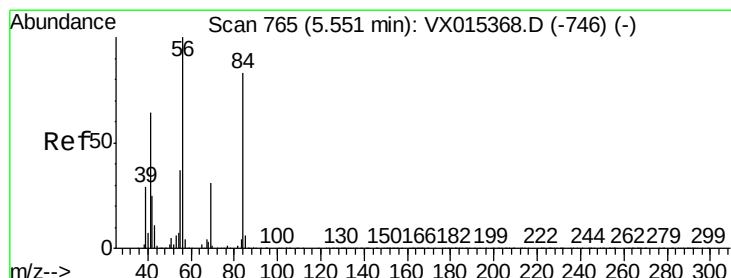
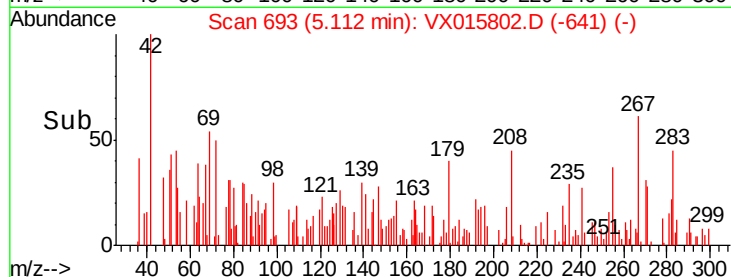
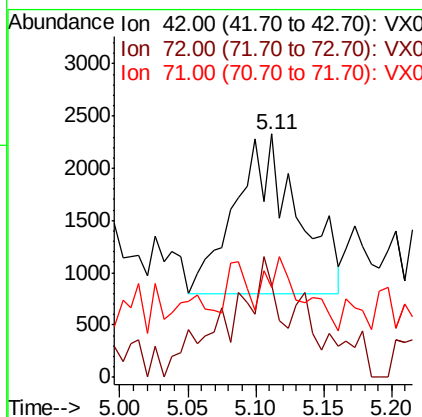
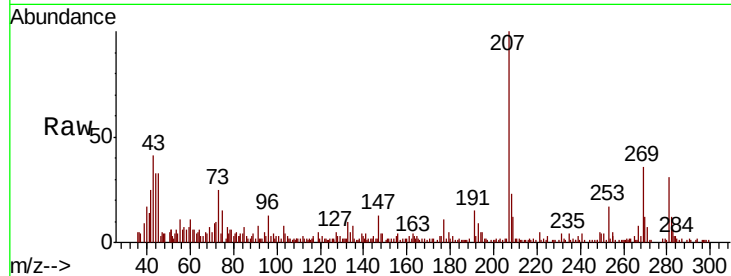




#29
Tetrahydrofuran
Concen: 0.777 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.02 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

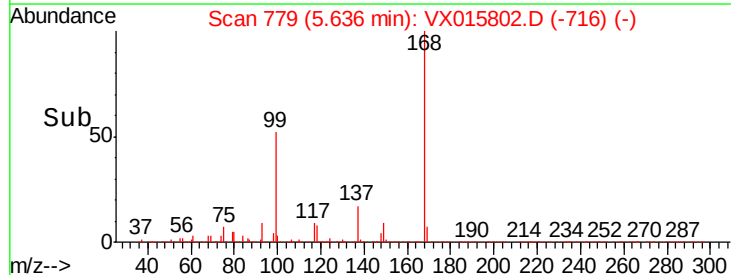
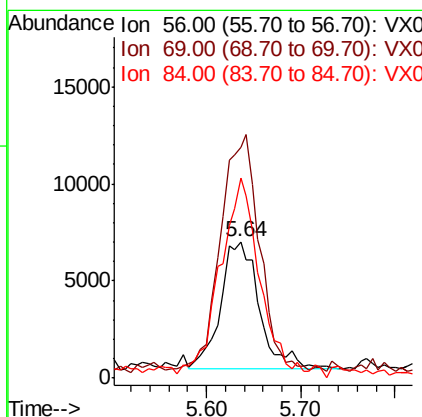
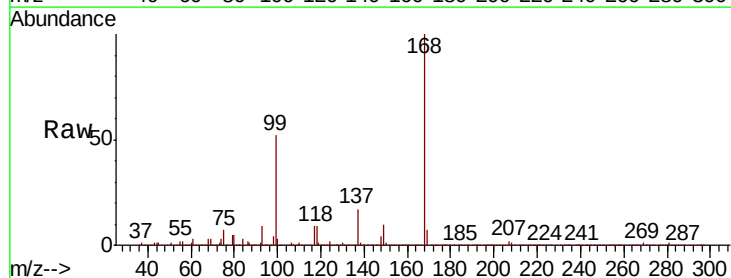
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ClientSampled :
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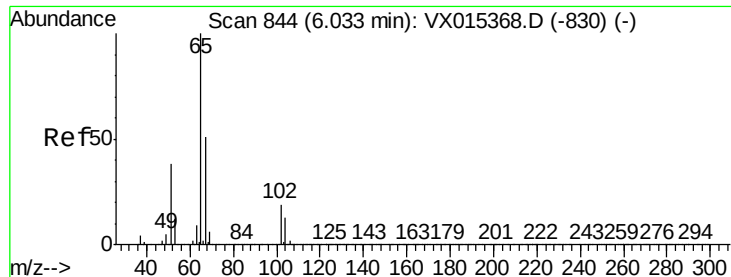
Tot Ion	Ratio	Lower	Upper
42	100		
72	62.0	31.7	47.5#
71	20.0	29.6	44.4#



#31
Cyclohexane
Concen: 1.050 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Tgt Ion	Ratio	Lower	Upper
56	100		
69	171.6	24.6	36.8#
84	148.2	66.1	99.1#

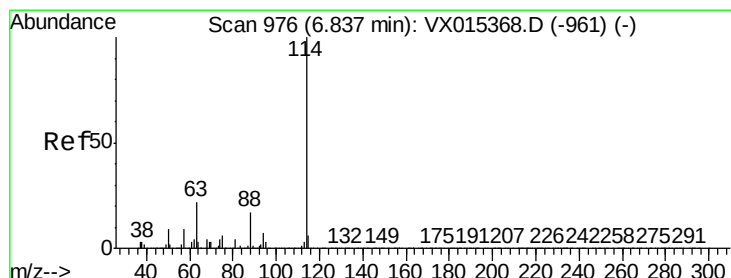
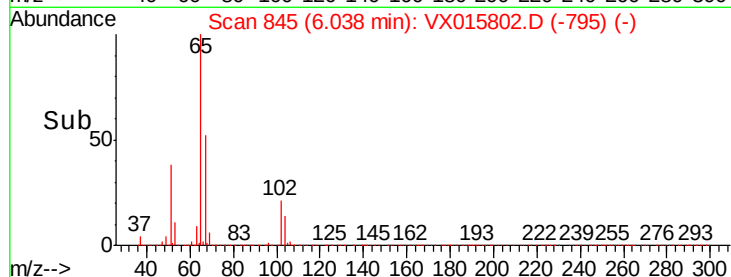
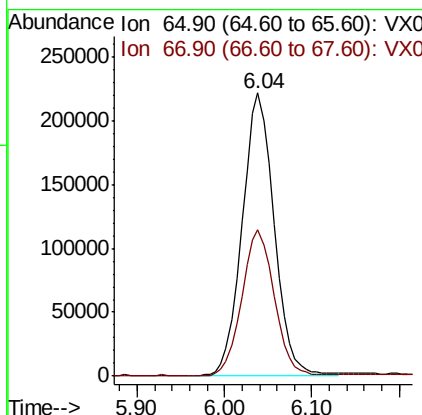
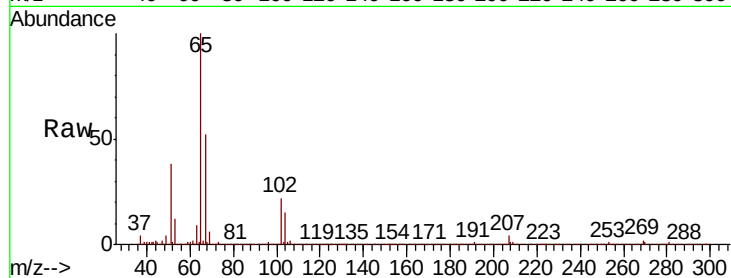




#33
 1,2-Dichloroethane-d4
 Concen: 39.893 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015802.D
 Acq: 21 Apr 2020 18:09

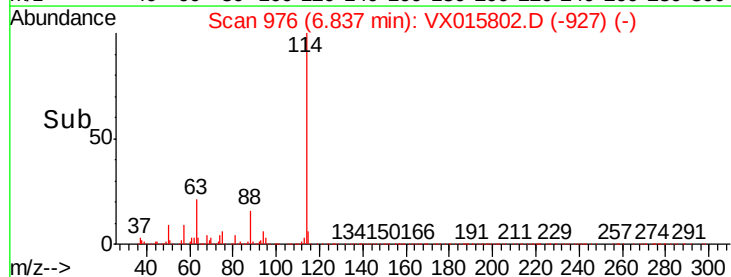
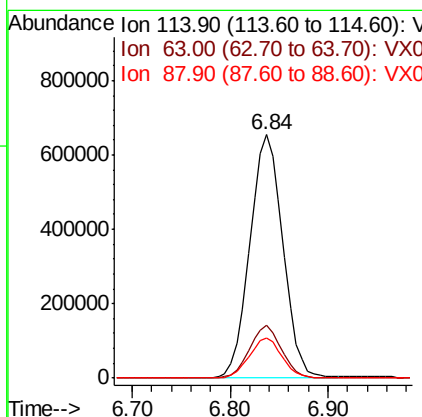
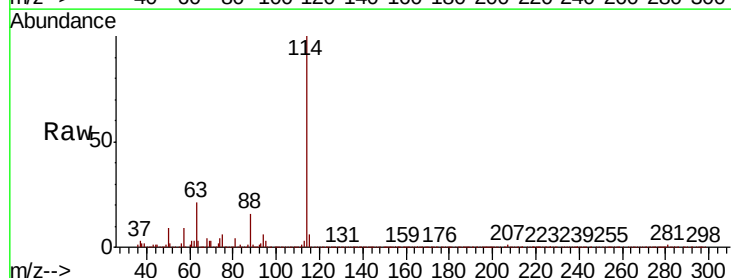
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-22A

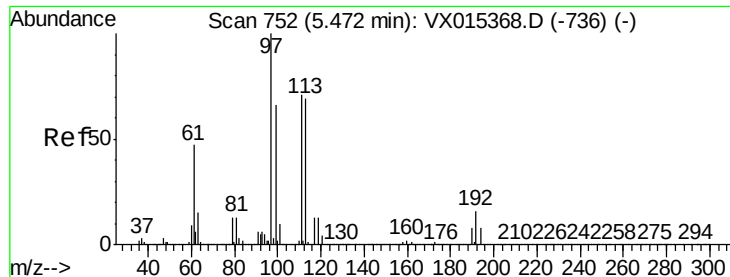
Tot Ion: 65 Resp: 562288
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015802.D
 Acq: 21 Apr 2020 18:09

Tgt Ion: 114 Resp: 1535586
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.2
 88 16.4 0.0 33.8

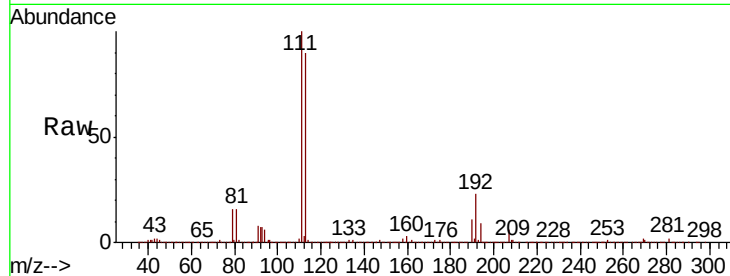




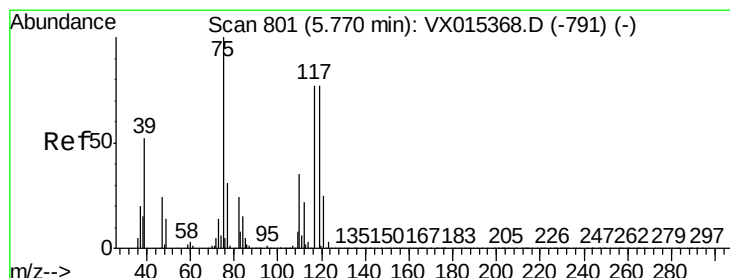
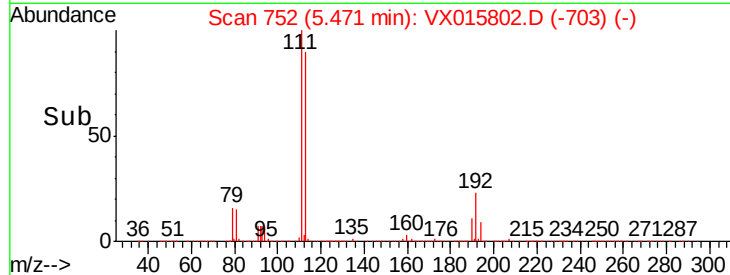
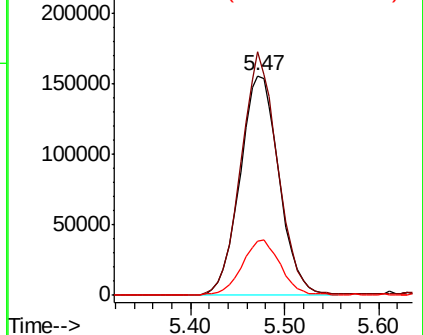
#35
Dibromofluoromethane
Concen: 45.823 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Instrument :
MSVOA_X
ClientSampleId :
TP-22A

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.5	122.3
192	24.7	17.8	26.6

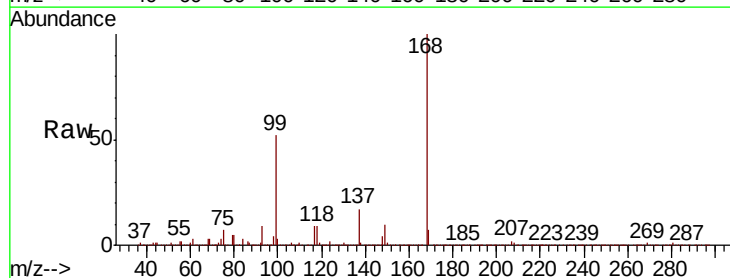


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

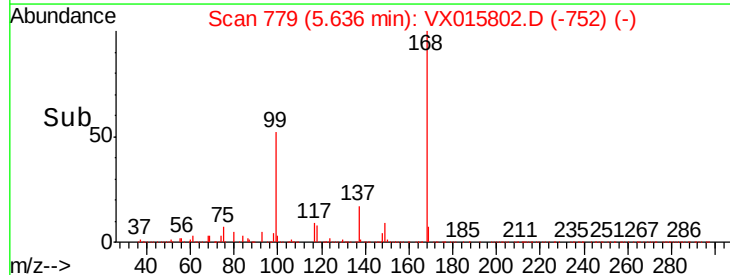
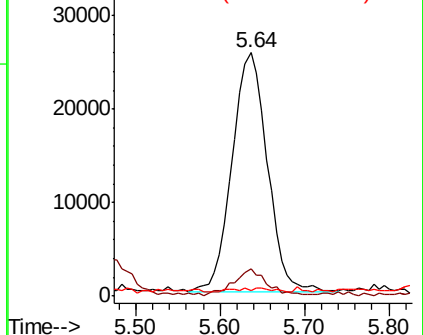


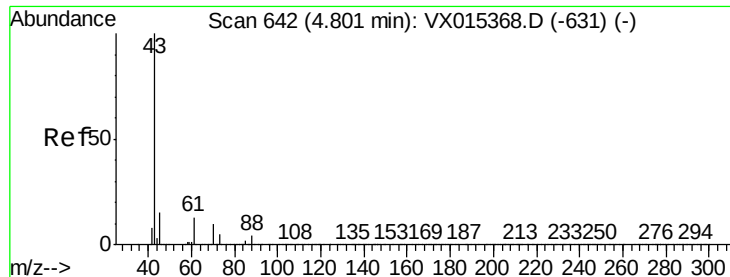
#36
1,1-Dichloropropene
Concen: 5.127 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.1	51.3#
77	1.1	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

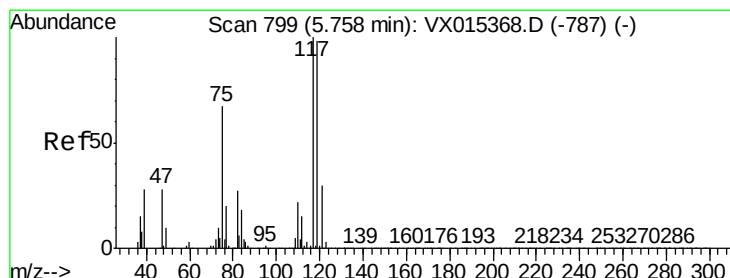
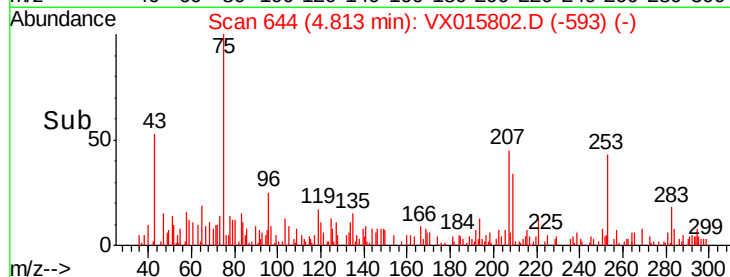
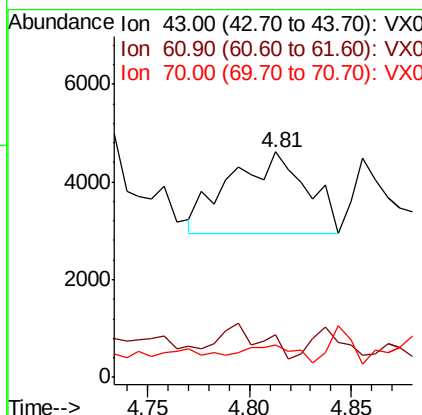
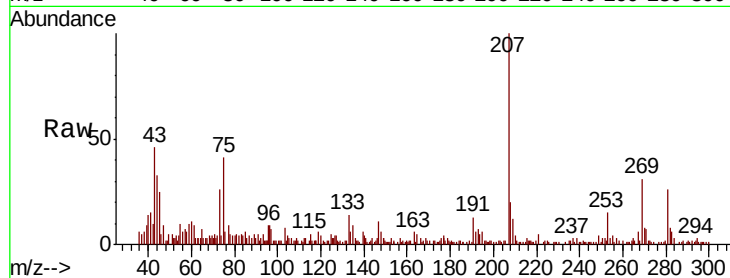




#37
Ethyl Acetate
Concen: 0.237 ug/l
RT: 4.81 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

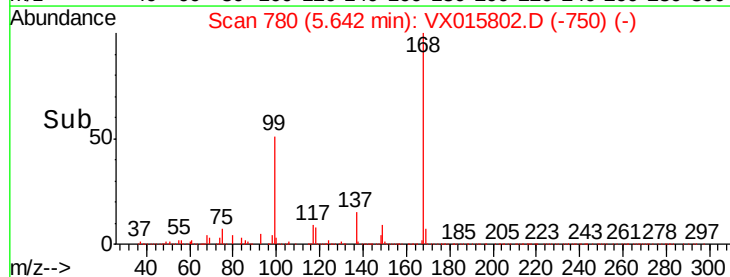
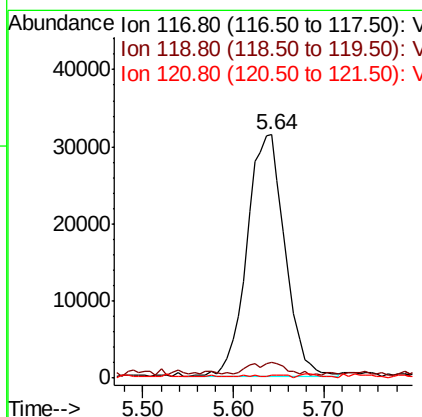
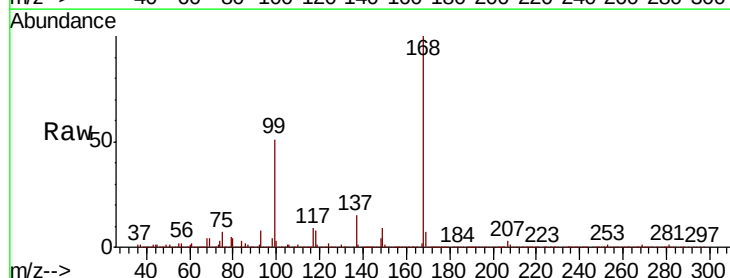
Instrument :
MSVOA_X
ClientSampleId :
TP-22A

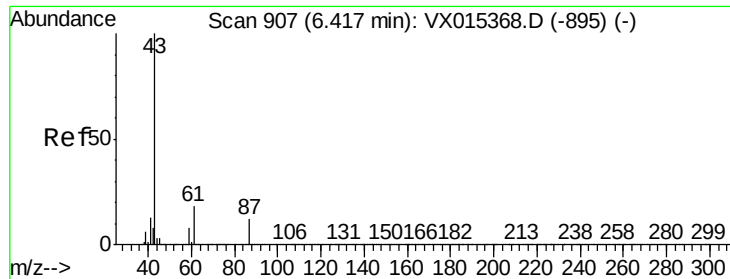
Tot Ion: 43 Resp: 4361
Ion Ratio Lower Upper
43 100
61 22.9 9.9 14.9#
70 14.3 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.868 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.12 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Tgt Ion: 117 Resp: 89931
Ion Ratio Lower Upper
117 100
119 5.1 78.0 117.0#
121 1.1 23.8 35.8#



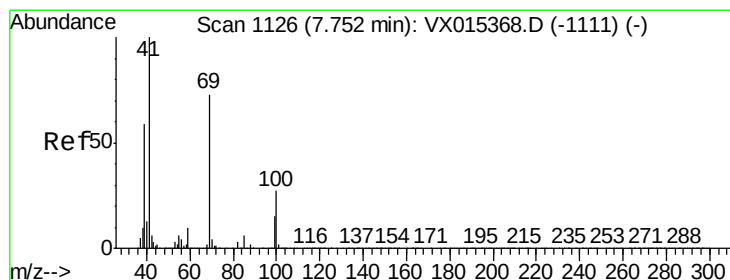
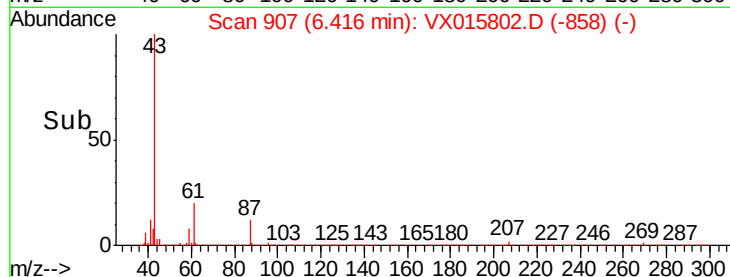
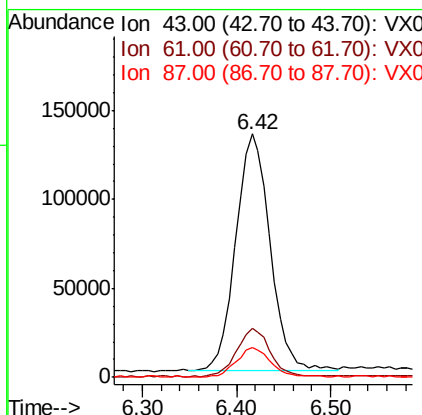
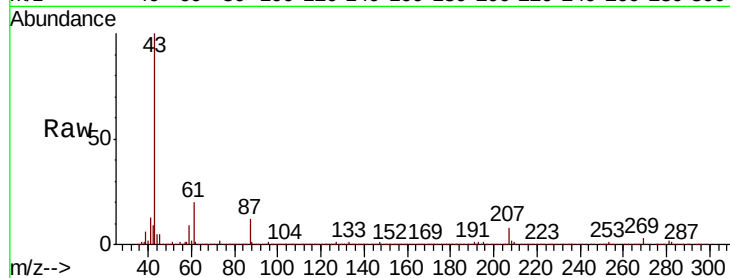


#43

Isopropyl Acetate
 Concen: 10.977 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VX015802.D
 Acq: 21 Apr 2020 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-22A

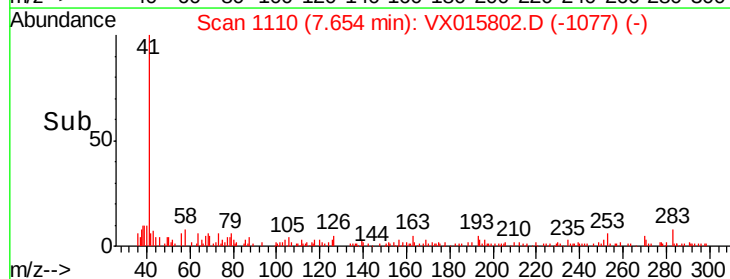
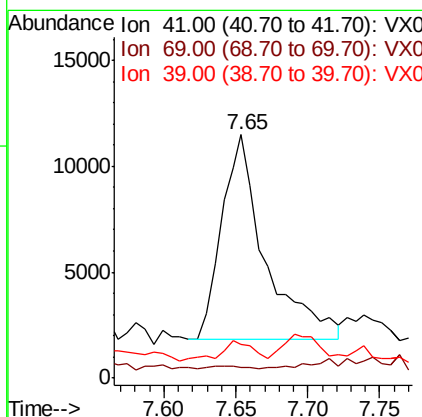
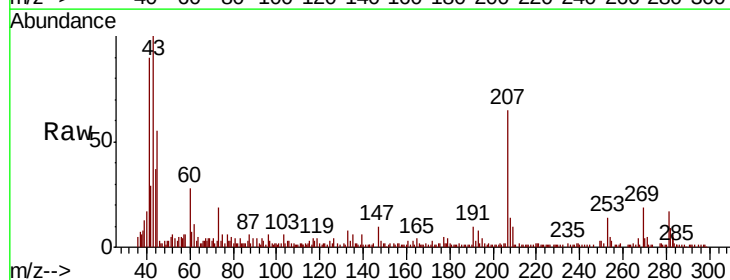
Tot Ion:	43	Resp:	341389
Ion	Ratio	Lower	Upper
43	100		
61	19.7	14.8	22.2
87	12.6	9.4	14.0

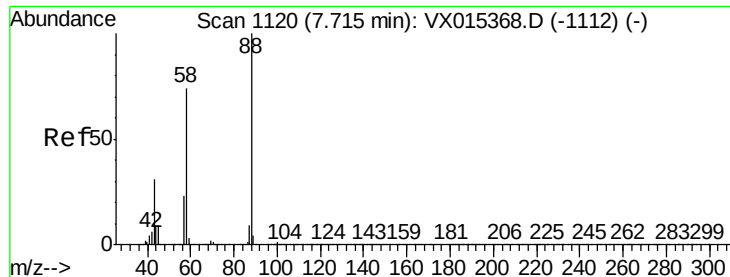


#48

Methyl methacrylate
 Concen: 1.305 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.10 min
 Lab File: VX015802.D
 Acq: 21 Apr 2020 18:09

Tgt Ion:	41	Resp:	20275
Ion	Ratio	Lower	Upper
41	100		
69	2.2	56.7	85.1#
39	0.0	46.5	69.7#

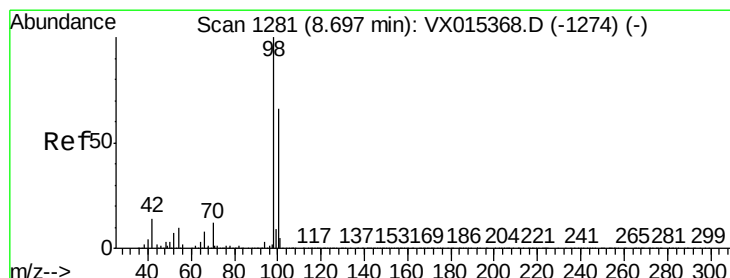
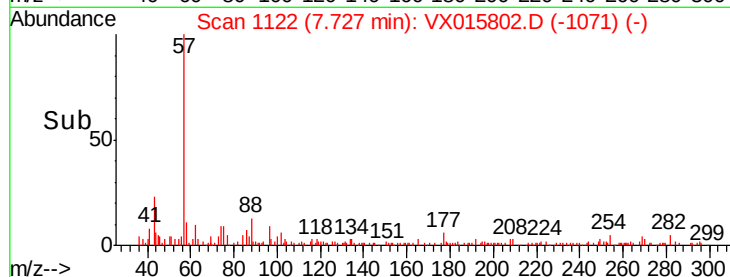
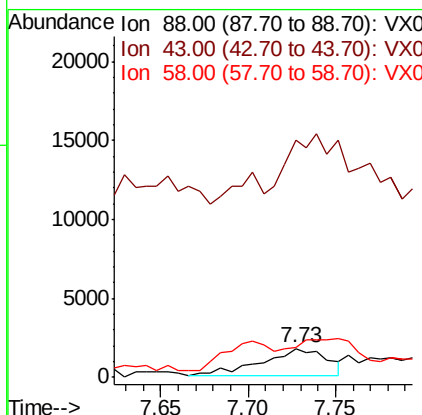
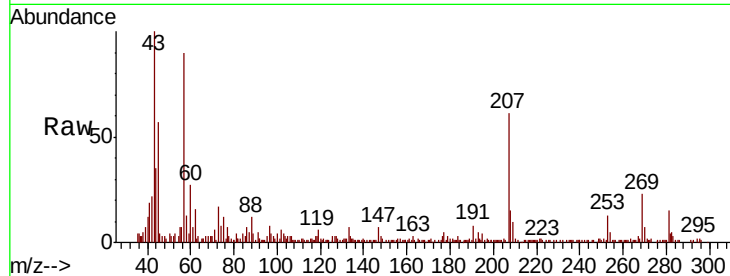




#49
1,4-Dioxane
Concen: 14.935 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

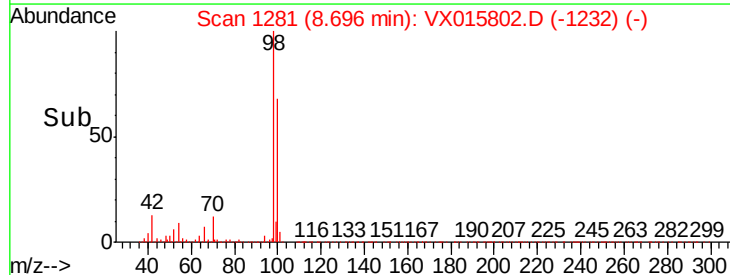
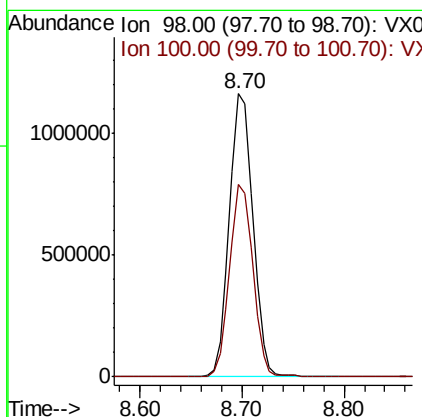
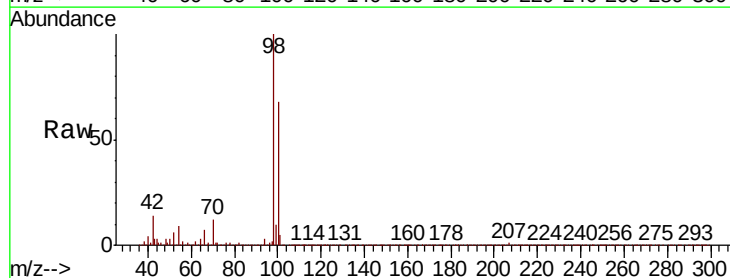
Instrument :
MSVOA_X
ClientSampleId :
TP-22A

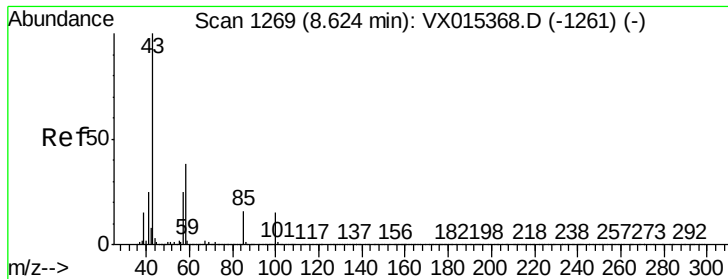
Tot Ion	88	Resp	4328
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	0.0	60.6	90.8#



#50
Toluene-d8
Concen: 51.445 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Tgt Ion	98	Resp	1859183
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 22.860 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015802.D

Acq: 21 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampled :

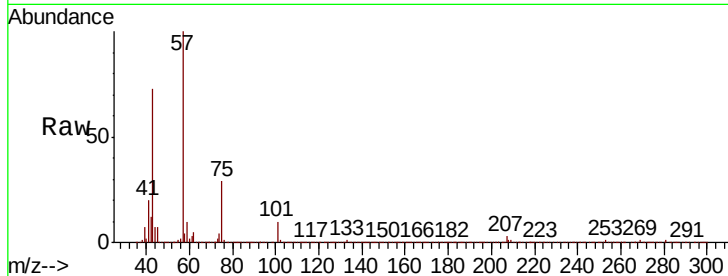
TP-22A

Tot Ion: 43 Resp: 402894

Ion Ratio Lower Upper

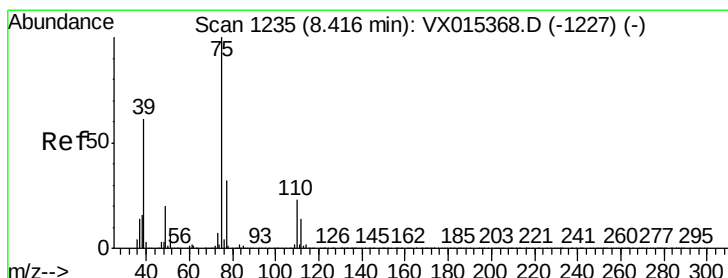
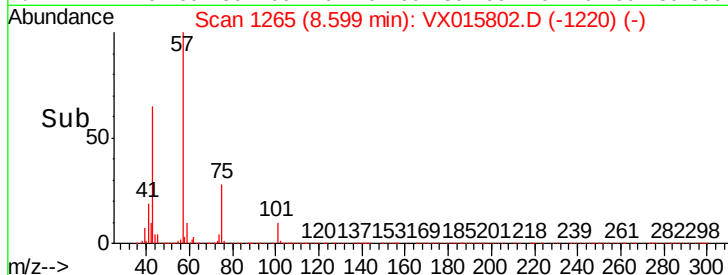
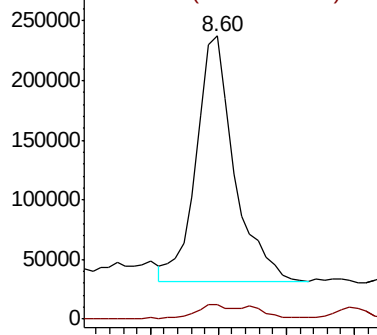
43 100

58 5.1 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 7.549 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015802.D

Acq: 21 Apr 2020 18:09

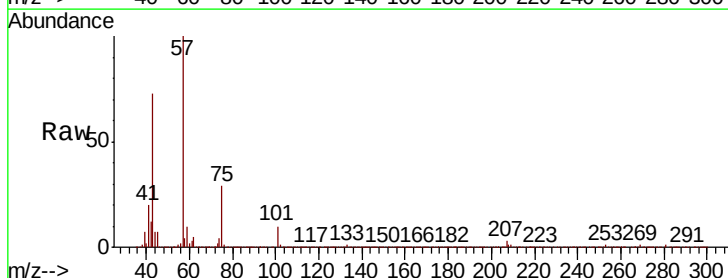
Tgt Ion: 75 Resp: 142935

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

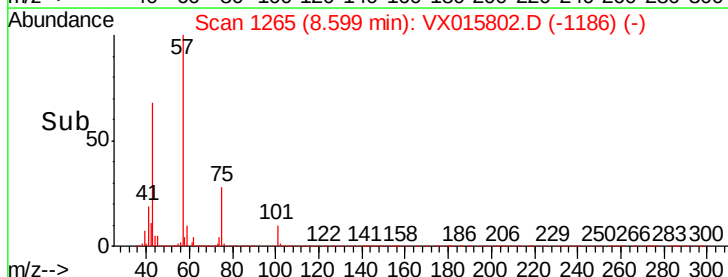
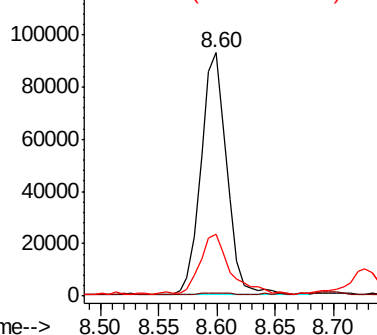
39 24.5 49.0 73.4#

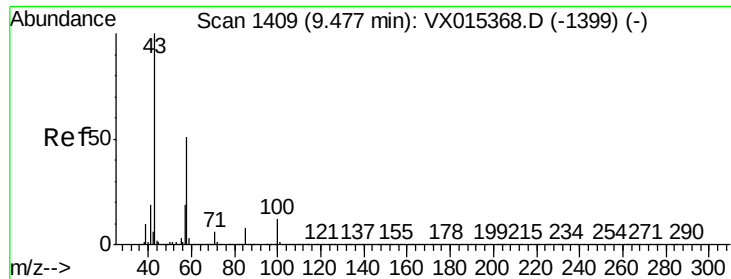


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

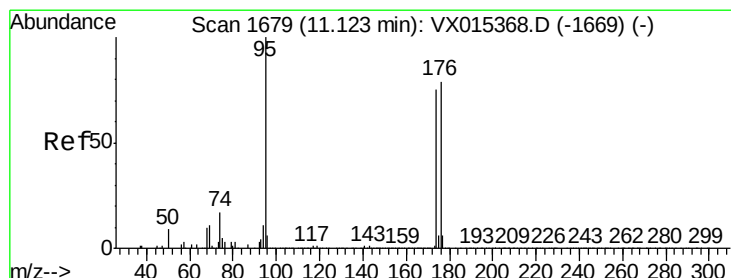
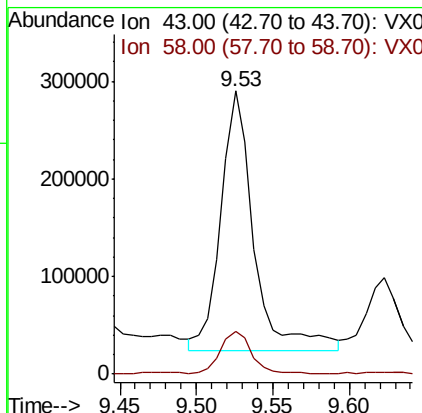
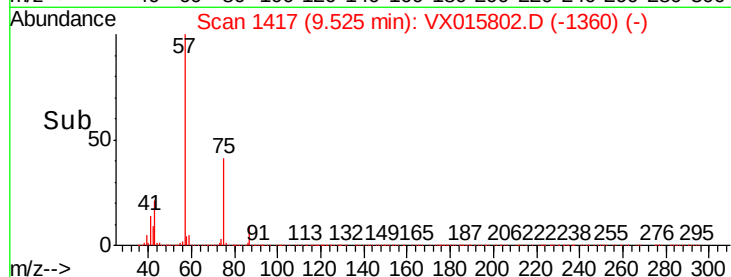
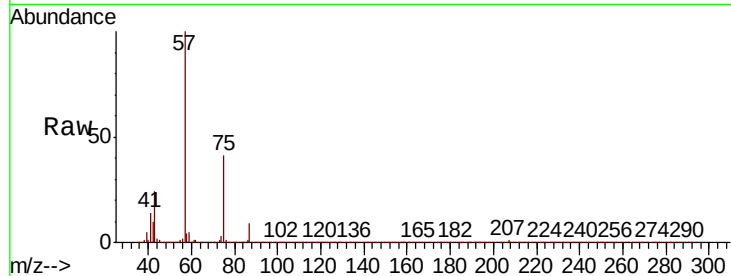




#59
2-Hexanone
Concen: 29.994 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

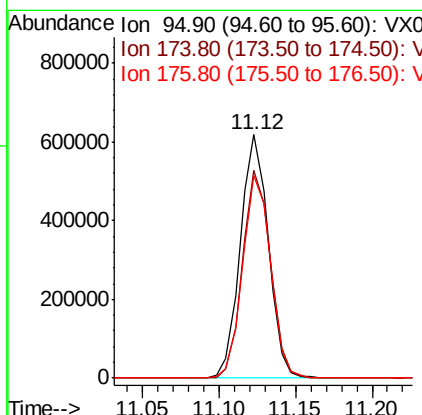
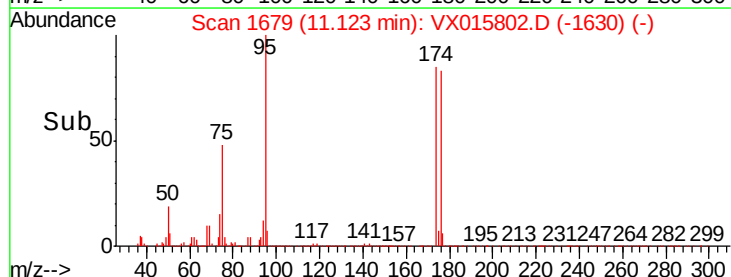
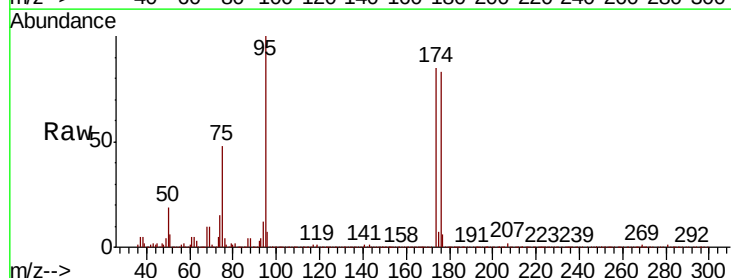
Instrument :
MSVOA_X
ClientSampled :
TP-22A

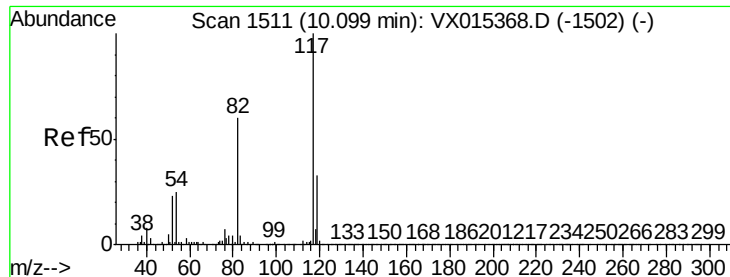
Tot Ion: 43 Resp: 399112
Ion Ratio Lower Upper
43 100
58 15.0 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 53.469 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Tgt Ion: 95 Resp: 785307
Ion Ratio Lower Upper
95 100
174 85.1 0.0 158.6
176 83.6 0.0 159.0

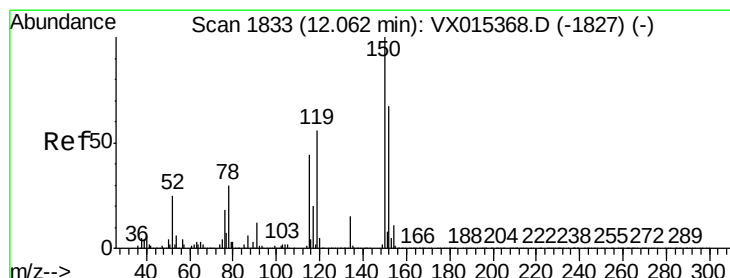
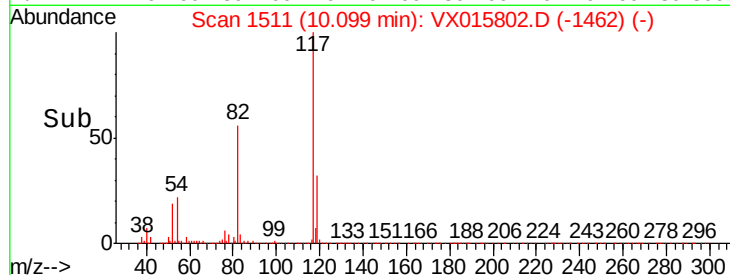
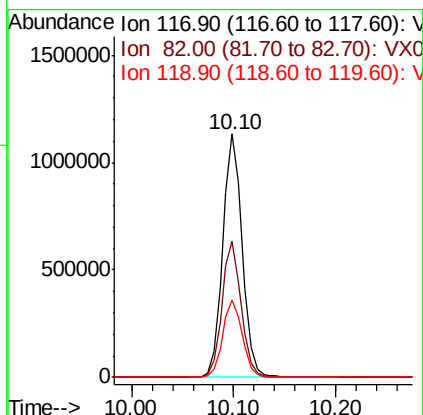
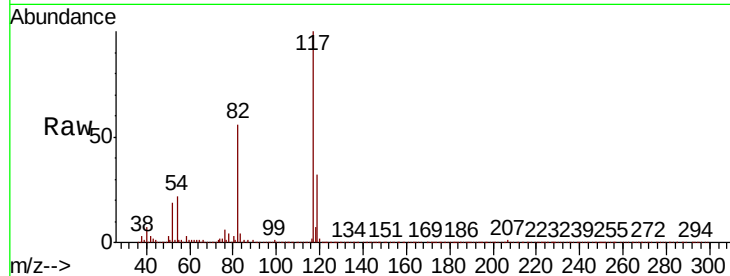




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

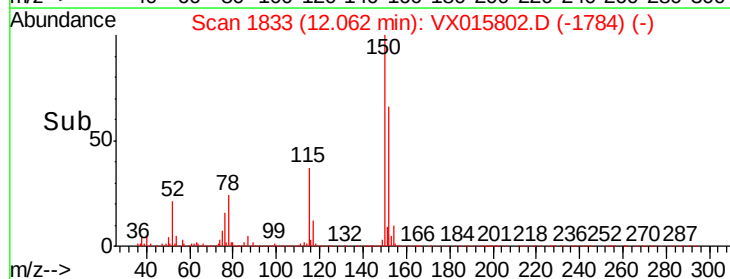
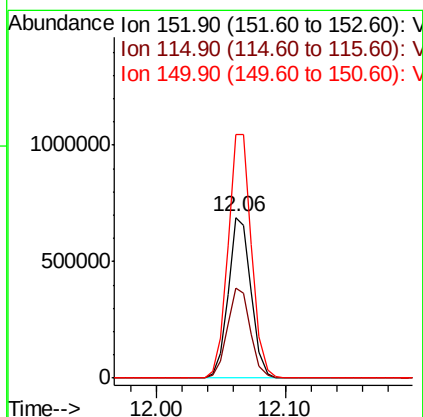
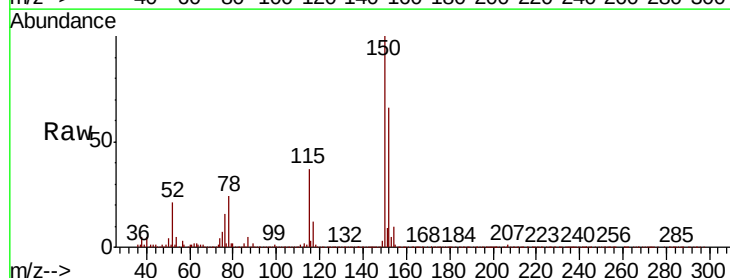
Instrument :
MSVOA_X
ClientSampled :
TP-22A

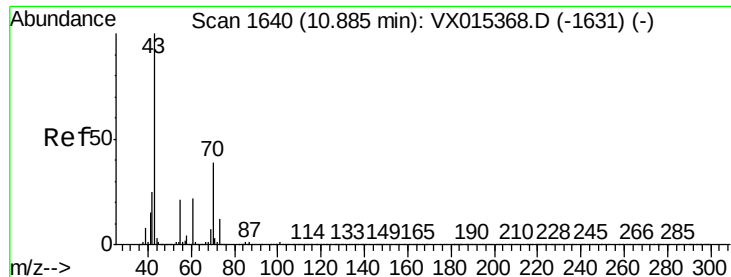
Tot Ion:117 Resp: 1496493
Ion Ratio Lower Upper
117 100
82 56.1 47.8 71.8
119 31.6 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015802.D
Acq: 21 Apr 2020 18:09

Tgt Ion:152 Resp: 856375
Ion Ratio Lower Upper
152 100
115 56.6 39.0 116.9
150 156.2 0.0 340.8





#74

N-amvl acetate

Concen: 0.355 ug/l

RT: 10.92 min Scan# 1645

Delta R.T. 0.03 min

Lab File: VX015802.D

Acq: 21 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampled :

TP-22A

Tot Ion: 43 Resp: 11072

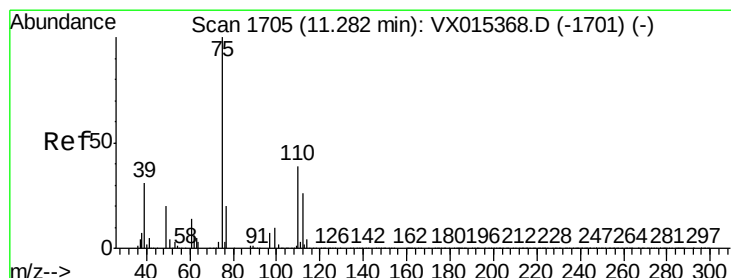
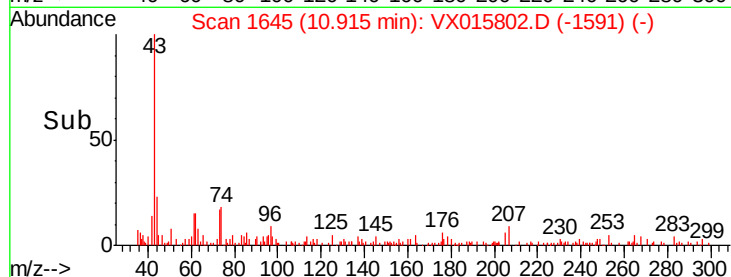
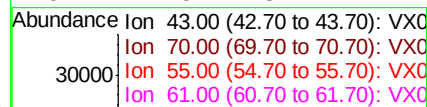
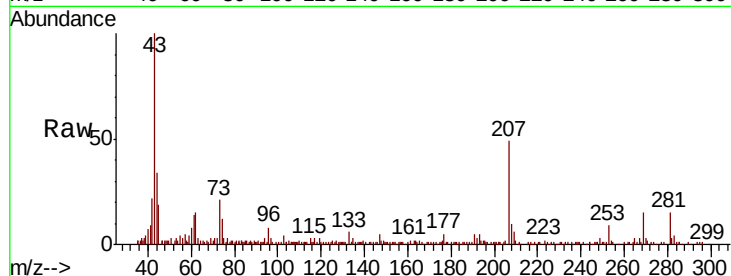
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 0.0 16.8 25.2#

61 12.0 18.2 27.2#



#76

1,2,3-Trichloropropane

Concen: 21.313 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015802.D

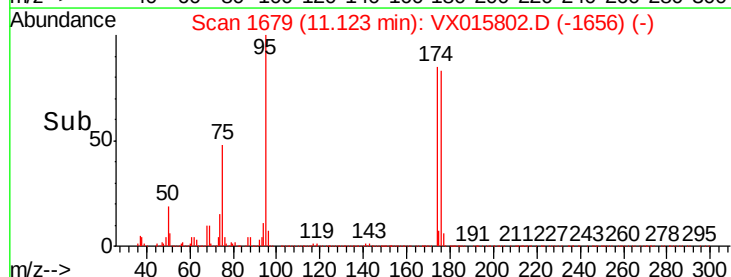
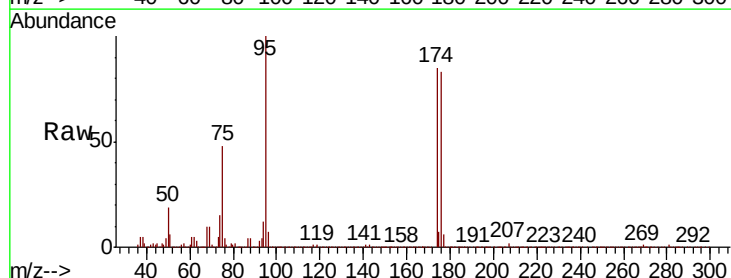
Acq: 21 Apr 2020 18:09

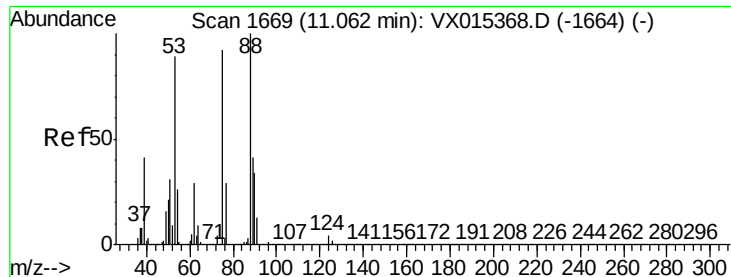
Tgt Ion: 75 Resp: 375335

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 51.139 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015802.D

Acq: 21 Apr 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

TP-22A

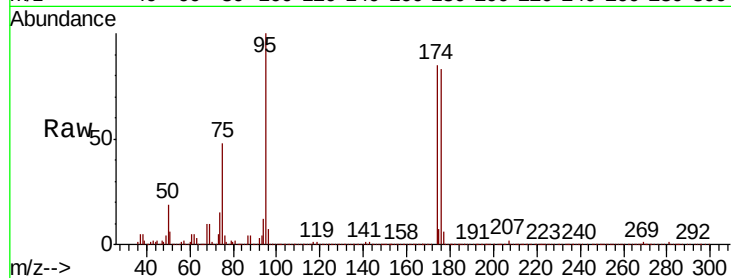
Tot Ion: 75 Resp: 375335

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

