

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010966.D
 Acq On : 18 Jul 2019 18:05
 Operator : JC/SP
 Sample : K3884-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 19 01:36:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361626	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	127094	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
35) Dibromofluoromethane	5.50	113	110761	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	8.71	98	444296	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.13	95	173834	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	455	0.374	ug/l #	65
6) Chloroethane	1.75	64	557	0.406	ug/l #	72
11) Tert butyl alcohol	3.02	59	2313	4.053	ug/l #	73
13) Acrolein	2.39	56	22865	69.345	ug/l #	80
14) Allyl chloride	2.85	41	285508	95.802	ug/l #	64
15) Acrylonitrile	3.18	53	18955	16.437	ug/l #	38
16) Acetone	2.39	43	62558	56.524	ug/l #	50
17) Carbon Disulfide	2.57	76	1062	0.202	ug/l #	75
18) Methyl Acetate	2.85	43	690732	274.088	ug/l #	48
20) Methylene Chloride	2.84	84	695	0.296	ug/l #	1
25) 2-Butanone	4.56	43	18688	11.763	ug/l #	46
26) 2,2-Dichloropropane	4.41	77	12671	4.228	ug/l #	50
30) Chloroform	5.26	83	862	0.218	ug/l #	16
31) Cyclohexane	5.59	56	1688273	507.419	ug/l	98
36) 1,1-Dichloropropene	5.66	75	15786	5.314	ug/l #	48
37) Ethyl Acetate	4.56	43	13449	4.422	ug/l #	68
38) Carbon Tetrachloride	5.67	117	21444	6.928	ug/l #	17
39) Methylcyclohexane	7.46	83	905074	234.958	ug/l	97
43) Isopropyl Acetate	6.46	43	8566	1.713	ug/l #	60
45) 1,2-Dichloropropane	7.46	63	8794	3.797	ug/l #	1
48) Methyl methacrylate	7.73	41	25851	10.610	ug/l #	51
49) 1,4-Dioxane	7.86	88	19	0.279	ug/l #	28
51) 4-Methyl-2-Pentanone	8.68	43	19311	5.956	ug/l #	62
55) 1,1,2-Trichloroethane	9.16	97	41952	17.045	ug/l #	18
56) Ethyl methacrylate	9.16	69	8555	2.376	ug/l #	1
59) 2-Hexanone	9.30	43	939	0.373	ug/l	91
60) Dibromochloromethane	9.77	129	22	2.535	ug/l #	11
67) Ethyl Benzene	10.26	91	7226588	605.872	ug/l	95
68) m/p-Xylenes	10.37	106	6289495	1374.659	ug/l	90
69) o-Xylene	10.70	106	2072905	464.227	ug/l	100
70) Styrene	10.70	104	103131	13.855	ug/l #	1
73) Isopropylbenzene	11.02	105	553602	44.114	ug/l	100
76) 1,2,3-Trichloropropane	11.35	75	5255	1.568	ug/l #	1
78) n-propylbenzene	11.36	91	837608	60.407	ug/l	99

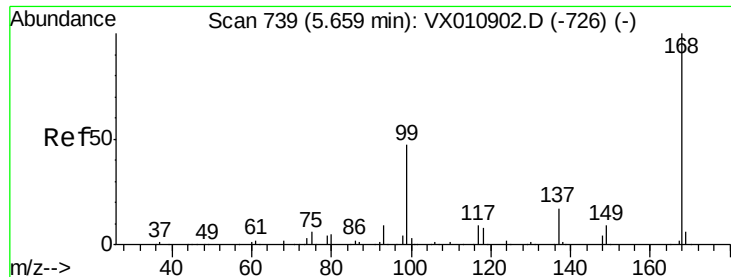
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010966.D
 Acq On : 18 Jul 2019 18:05
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Quant Time: Jul 19 01:36:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.43	91	401510	48.202	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	1416585	135.088	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	6285	8.353	ug/l #	69
82) 4-Chlorotoluene	11.51	91	151822	15.660	ug/l #	43
83) tert-Butylbenzene	11.77	119	38564	3.744	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	4365174	413.009	ug/l	99
85) sec-Butylbenzene	11.81	105	4365161	361.678	ug/l #	55
86) p-Isopropyltoluene	12.06	119	63663	5.706	ug/l	97
89) n-Butylbenzene	12.38	91	109146	11.434	ug/l #	30
90) Hexachloroethane	12.66	117	26835	15.248	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1725	2.009	ug/l #	1
95) Naphthalene	13.83	128	2533982	212.677	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

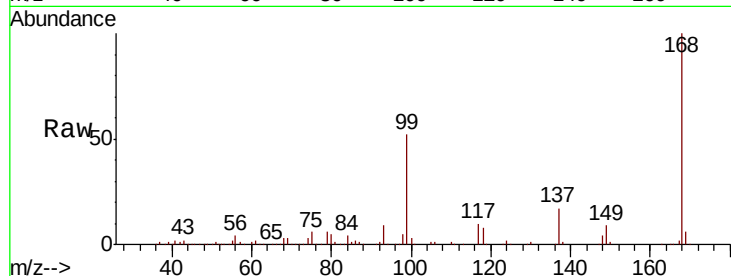
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 230341

Ion Ratio Lower Upper

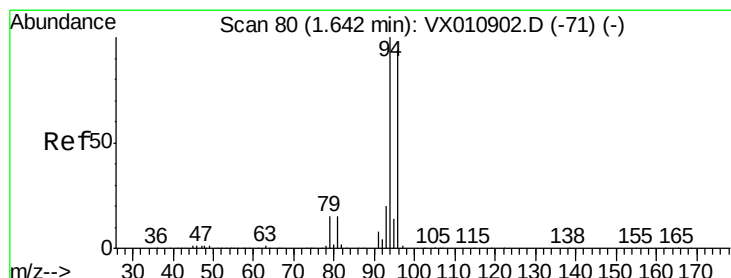
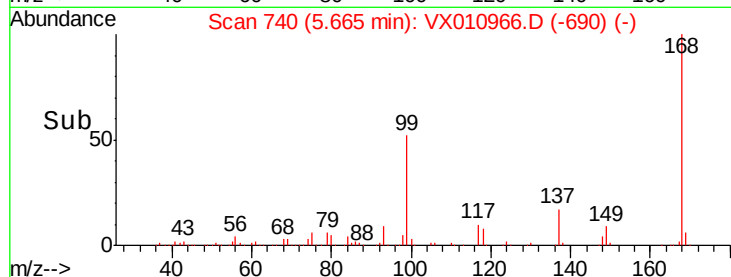
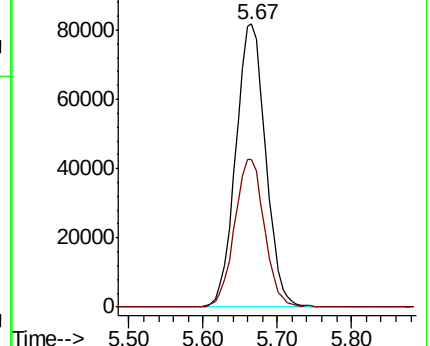
168 100

99 52.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.374 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX010966.D

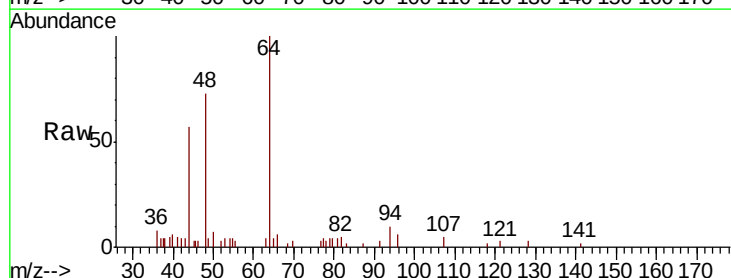
Acq: 18 Jul 2019 18:05

Tgt Ion: 94 Resp: 455

Ion Ratio Lower Upper

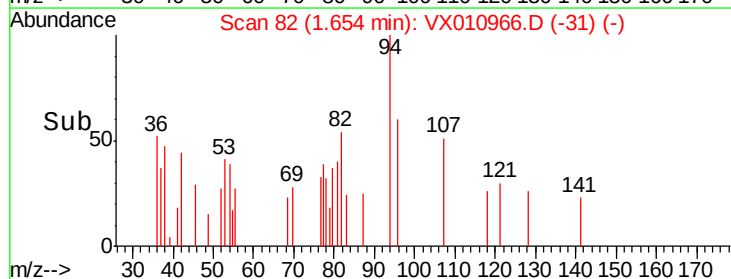
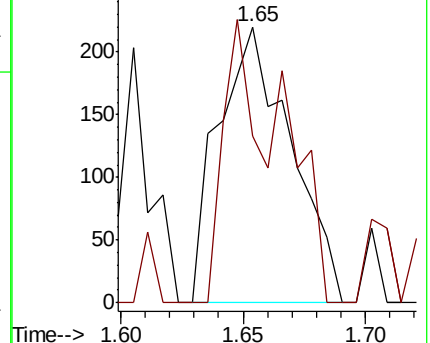
94 100

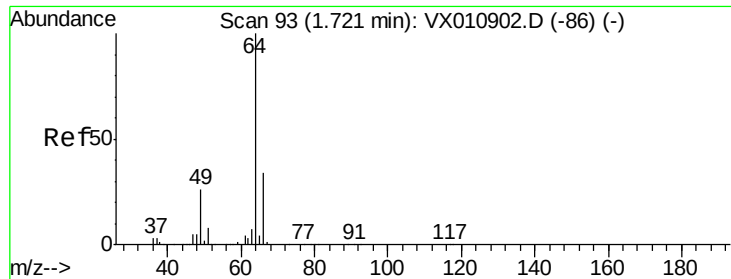
96 60.5 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.406 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

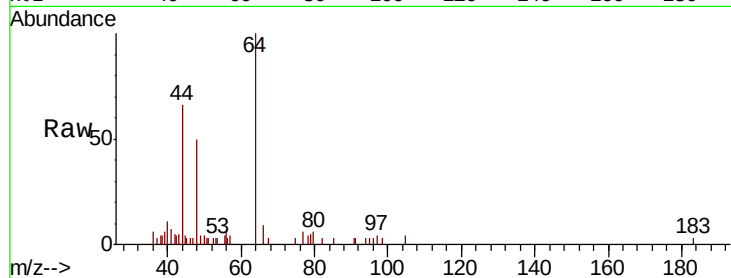
ClientSampleId :

Tot Ion: 64 Resp: 557

Ion Ratio Lower Upper

64 100

66 18.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

1500

1000

500

0

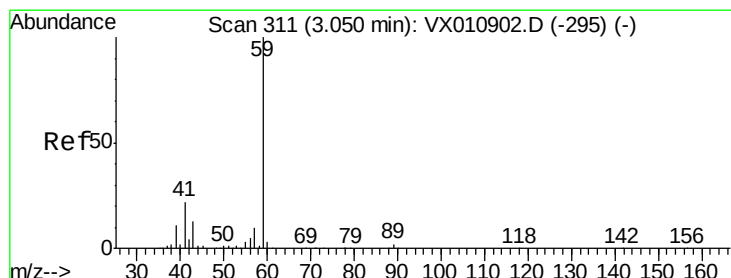
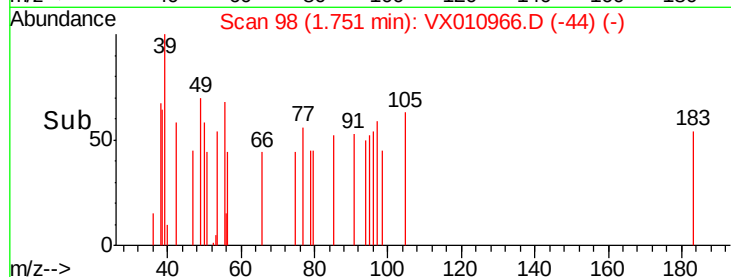
1.74

1.75

1.76

1.78

Time-->



#11

Tert butyl alcohol

Concen: 4.053 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010966.D

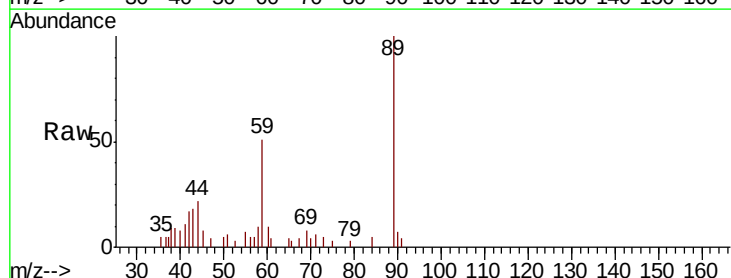
Acq: 18 Jul 2019 18:05

Tgt Ion: 59 Resp: 2313

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250000

200000

150000

100000

50000

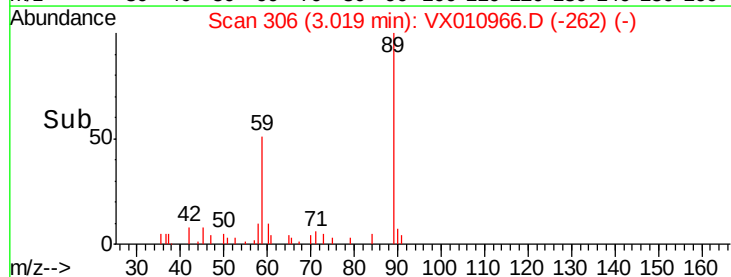
0

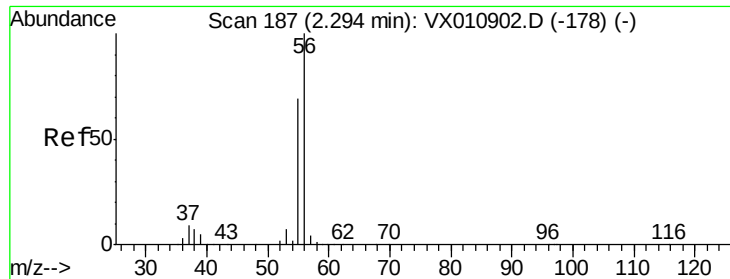
2.90

3.00

3.10

Time-->





#13

Acrolein

Concen: 69.345 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.10 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

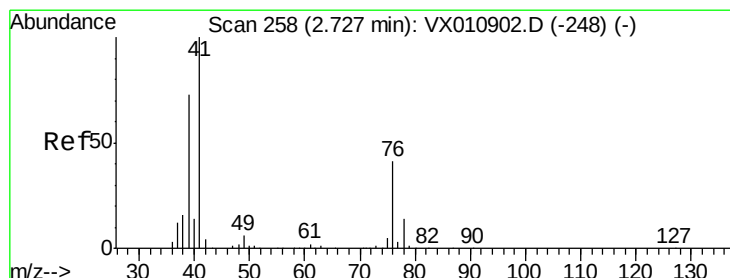
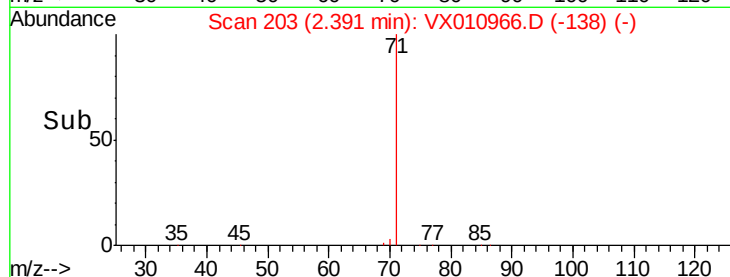
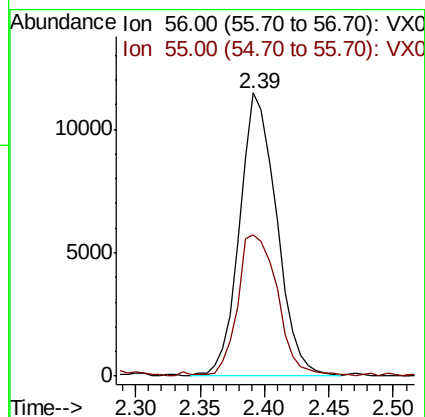
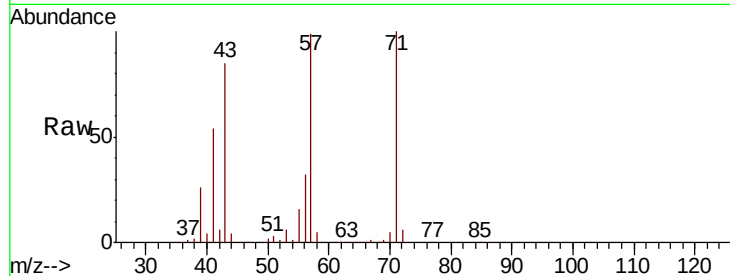
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 22865

Ion Ratio Lower Upper

56 100

55 53.8 55.9 83.9#



#14

Allyl chloride

Concen: 95.802 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

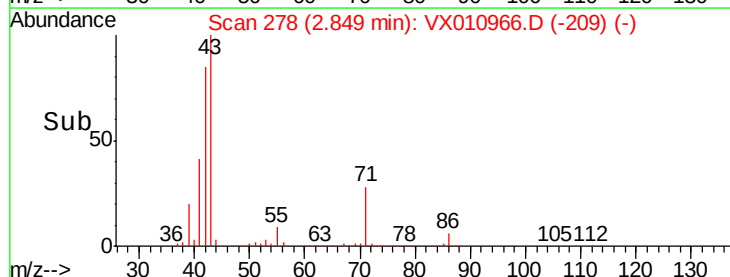
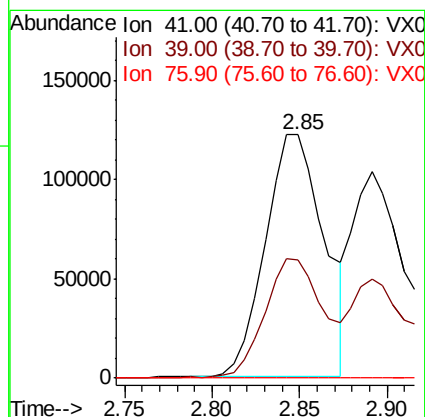
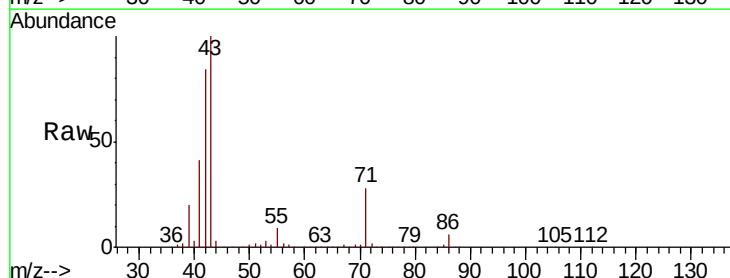
Tgt Ion: 41 Resp: 285508

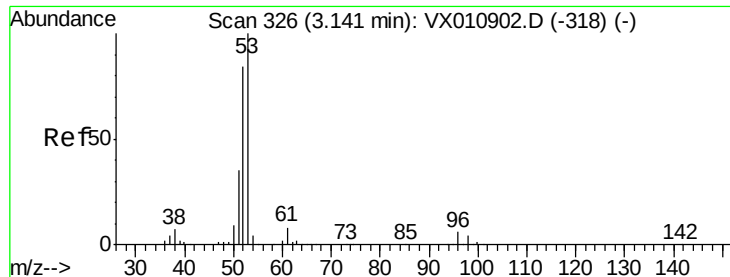
Ion Ratio Lower Upper

41 100

39 49.8 53.6 80.4#

76 0.1 29.7 44.5#





#15

Acrylonitrile

Concen: 16.437 ug/l

RT: 3.18 min Scan# 332

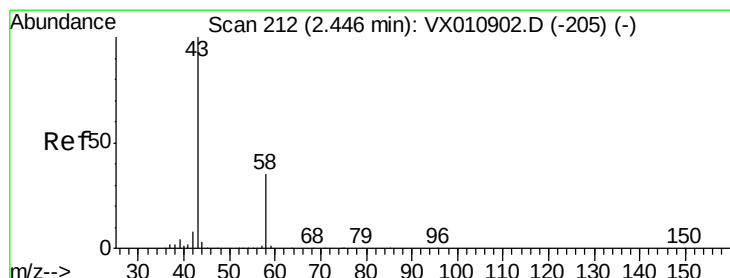
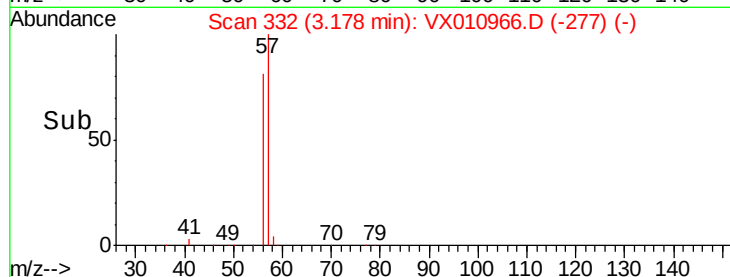
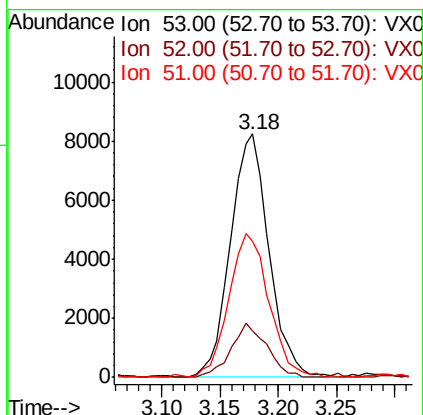
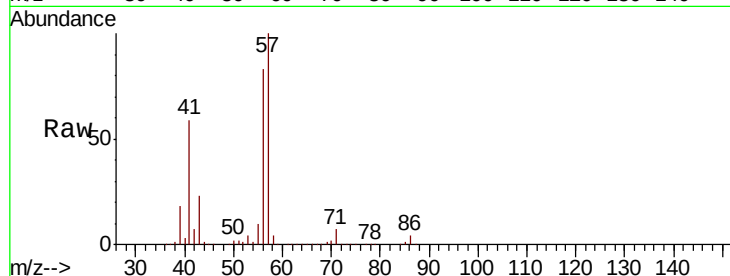
Delta R.T. 0.04 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	53	Resp:	18955
Ion	Ratio	Lower	Upper
53	100		
52	20.8	66.5	99.7#
51	61.5	28.2	42.4#



#16

Acetone

Concen: 56.524 ug/l

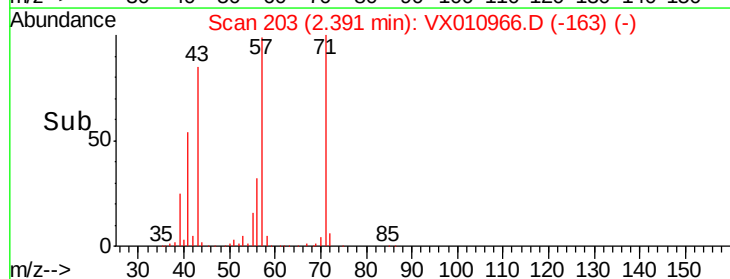
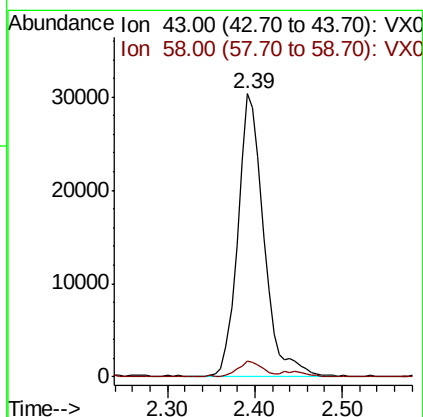
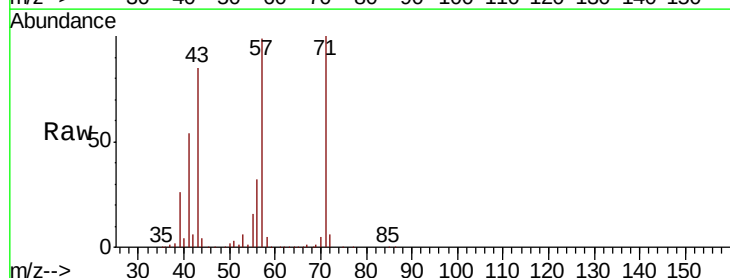
RT: 2.39 min Scan# 203

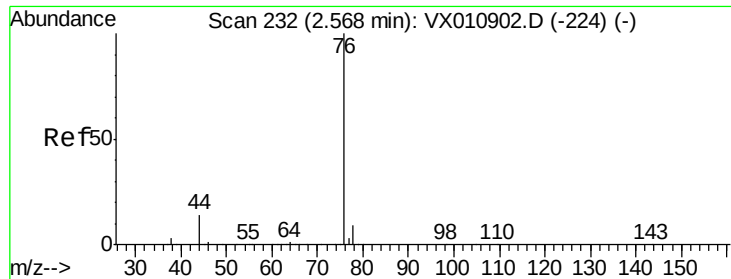
Delta R.T. -0.05 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Tgt Ion:	43	Resp:	62558
Ion	Ratio	Lower	Upper
43	100		
58	5.8	27.7	41.5#





#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

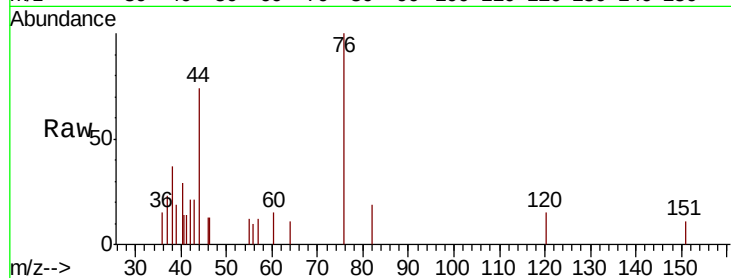
ClientSampleId :

Tot Ion: 76 Resp: 1062

Ion Ratio Lower Upper

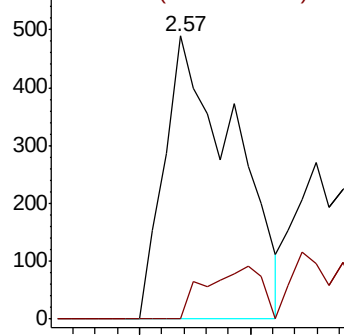
76 100

78 0.0 7.4 11.0#

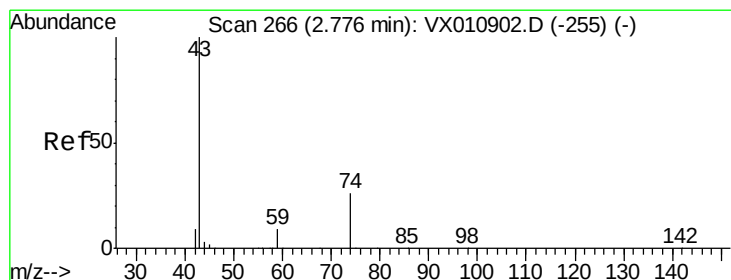
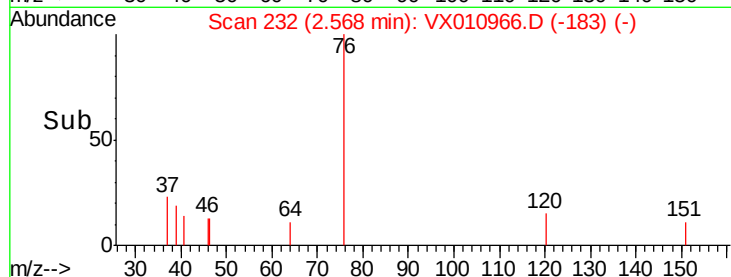


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 274.088 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX010966.D

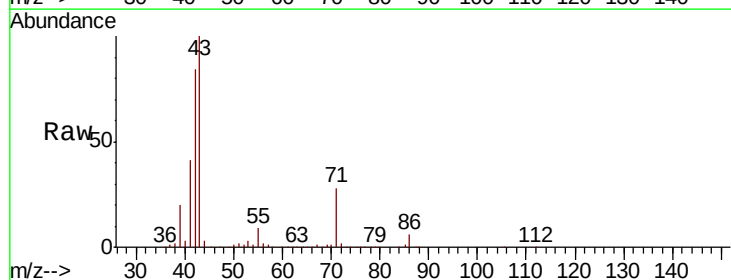
Acq: 18 Jul 2019 18:05

Tgt Ion: 43 Resp: 690732

Ion Ratio Lower Upper

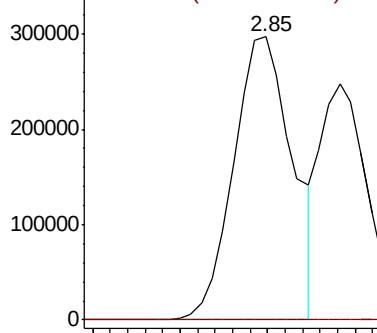
43 100

74 0.0 21.5 32.3#

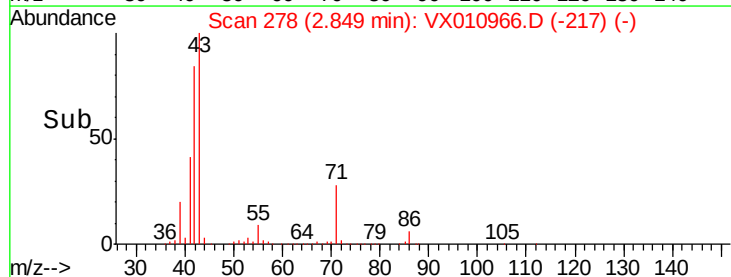


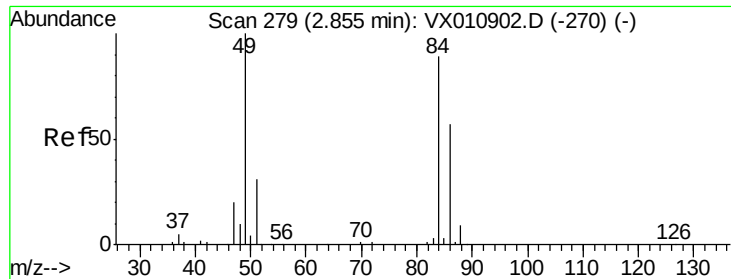
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->

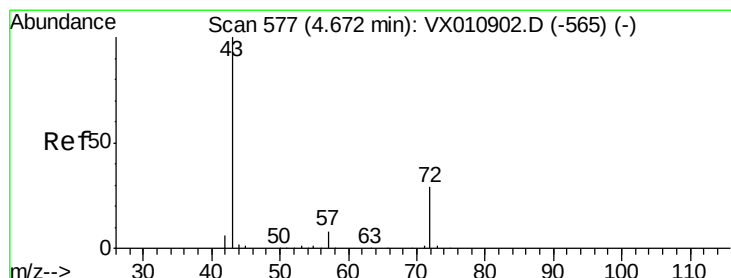
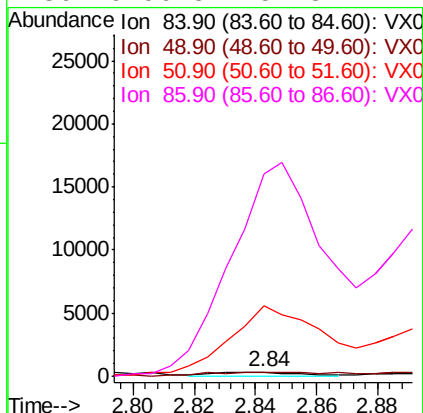
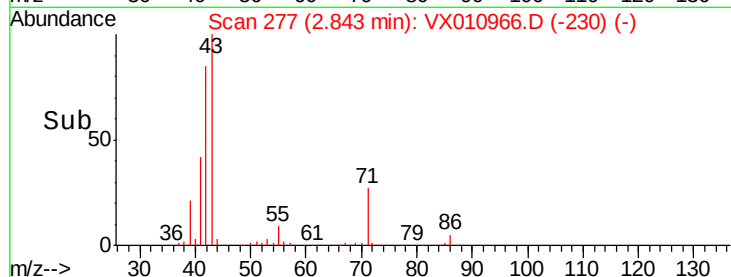
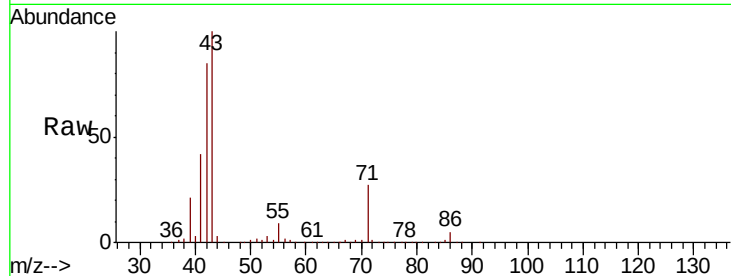




#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

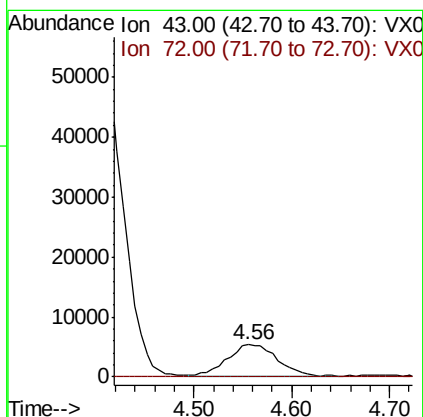
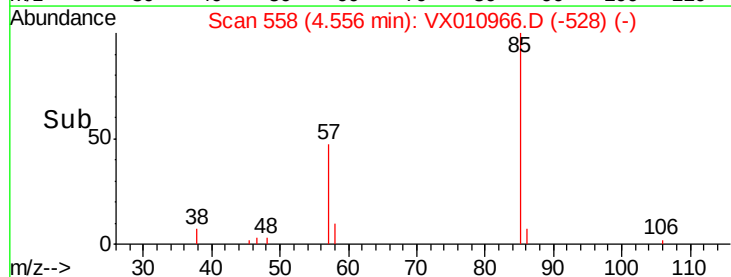
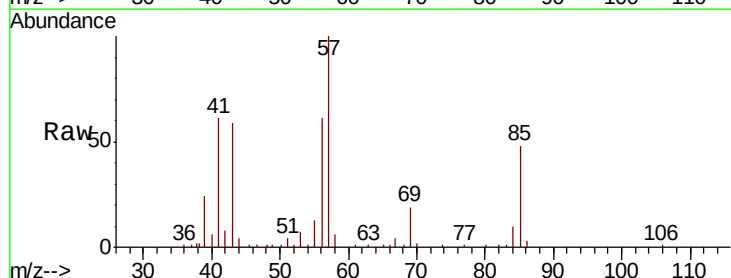
Instrument :
MSVOA_X
ClientSampled :

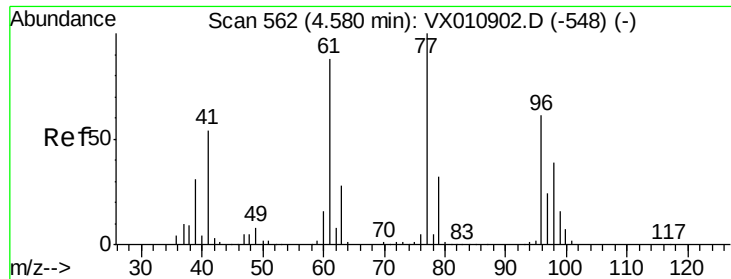
Tot Ion: 84 Resp: 695
Ion Ratio Lower Upper
84 100
49 100.4 89.9 134.9
51 2090.3 27.8 41.6#
86 6196.5 51.8 77.6#



#25
2-Butanone
Concen: 11.763 ug/l
RT: 4.56 min Scan# 558
Delta R.T. -0.12 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 43 Resp: 18688
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#

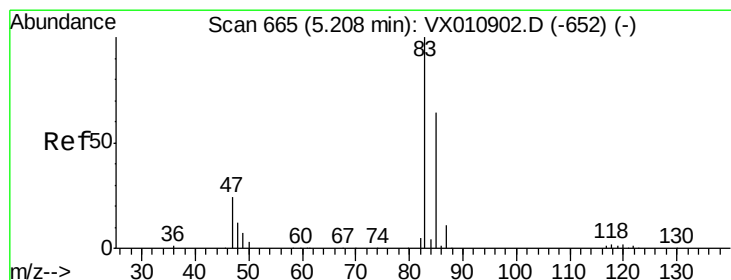
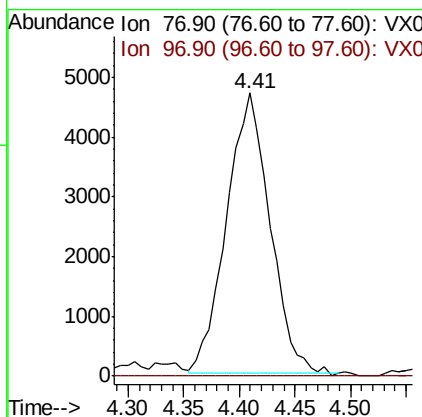
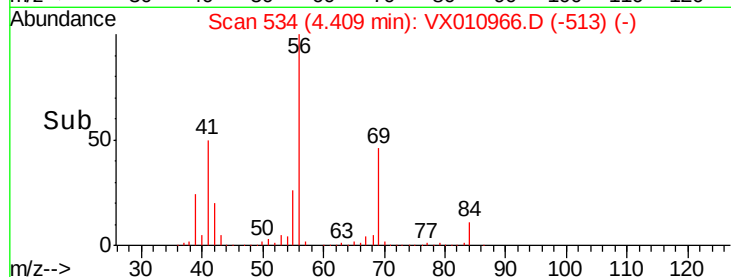
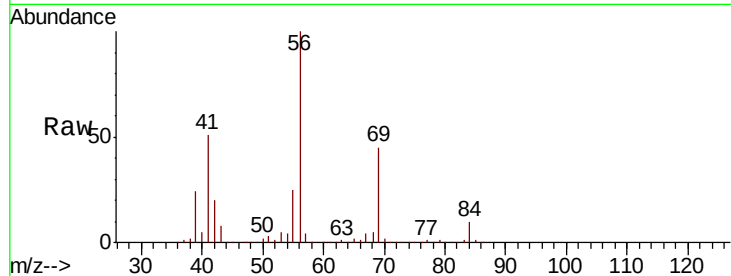




#26
 2,2-Dichloropropane
 Concen: 4.228 ug/l
 RT: 4.41 min Scan# 534
 Delta R.T. -0.17 min
 Lab File: VX010966.D
 Acq: 18 Jul 2019 18:05

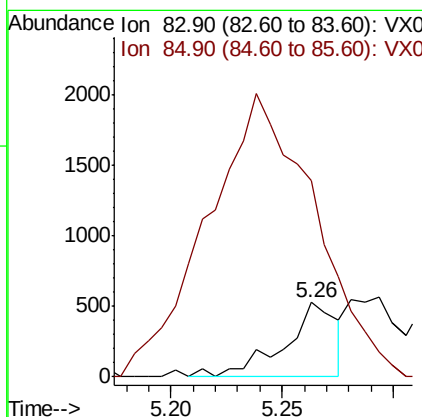
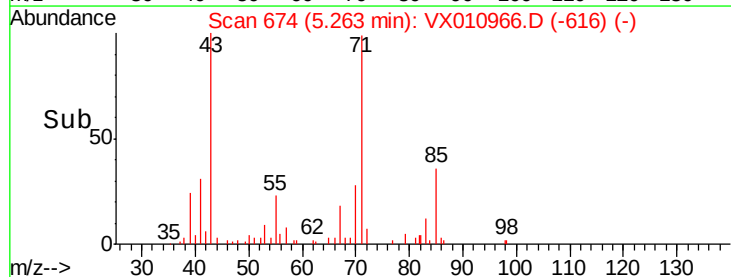
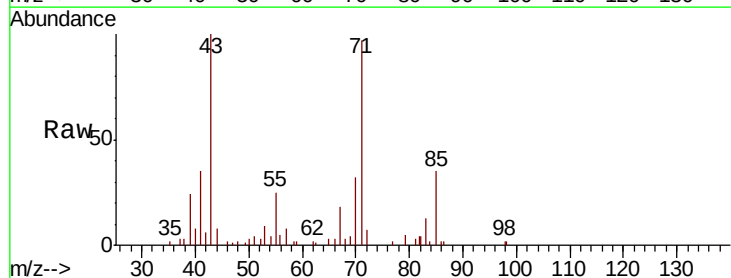
Instrument :
 MSVOA_X
 ClientSampled :

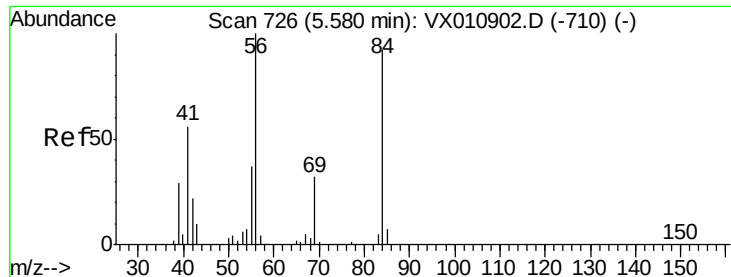
Tot Ion: 77 Resp: 12671
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.6 37.6#



#30
 Chloroform
 Concen: 0.218 ug/l
 RT: 5.26 min Scan# 674
 Delta R.T. 0.05 min
 Lab File: VX010966.D
 Acq: 18 Jul 2019 18:05

Tgt Ion: 83 Resp: 862
 Ion Ratio Lower Upper
 83 100
 85 129.8 51.4 77.0#

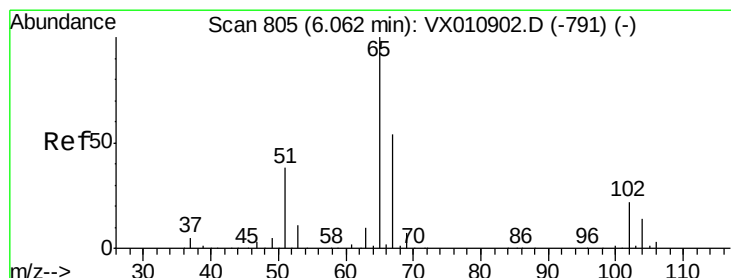
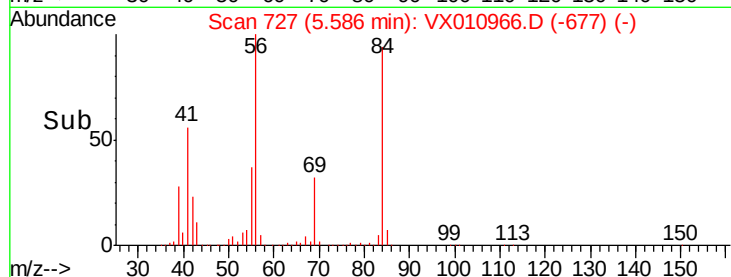
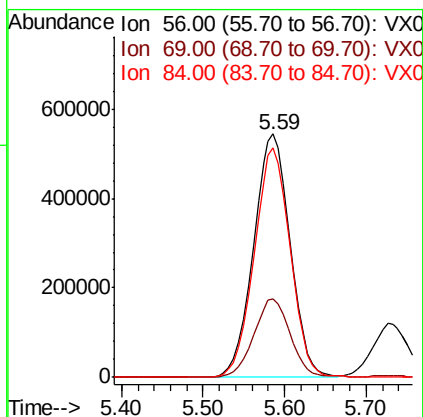
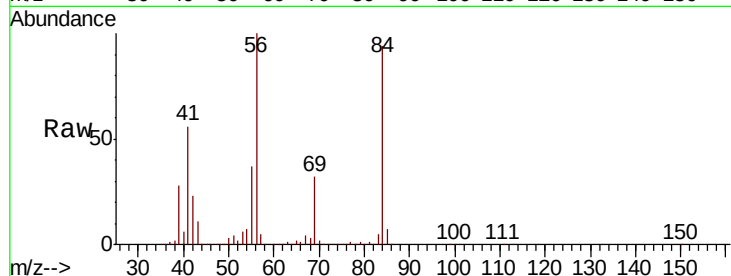




#31
Cyclohexane
Concen: 507.419 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

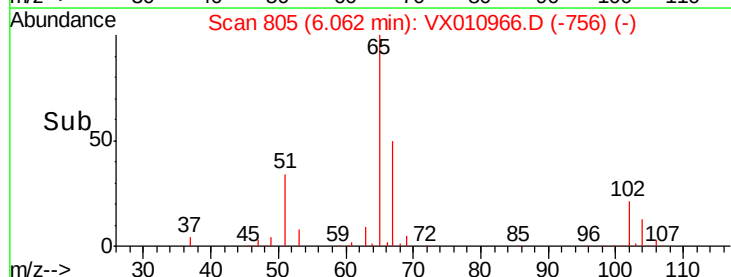
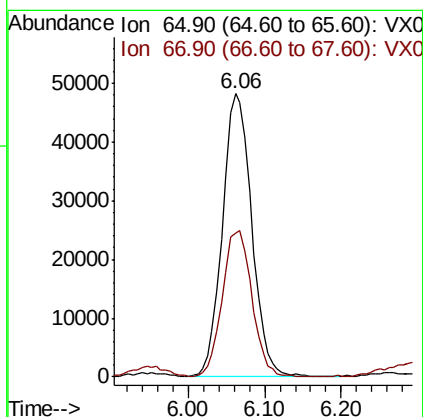
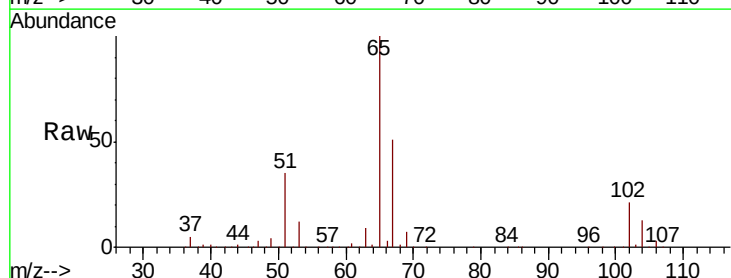
Instrument :
MSVOA_X
ClientSampleId :

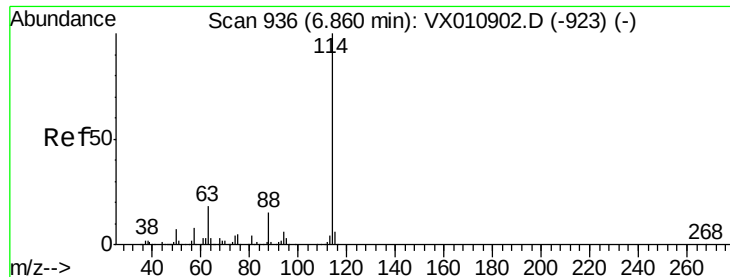
Tot Ion: 56 Resp: 1688273
Ion Ratio Lower Upper
56 100
69 32.1 25.8 38.8
84 94.3 73.8 110.6



#33
1,2-Dichloroethane-d4
Concen: 51.865 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 65 Resp: 127094
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.8

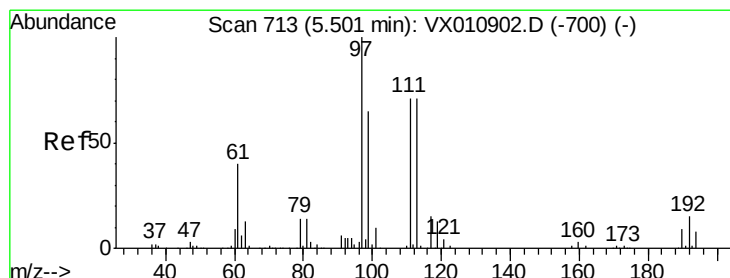
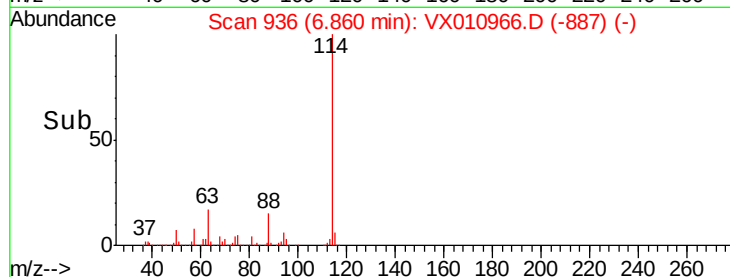
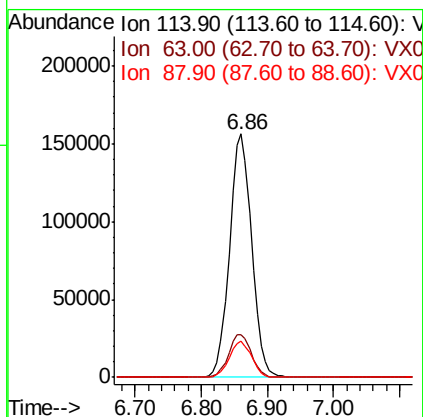
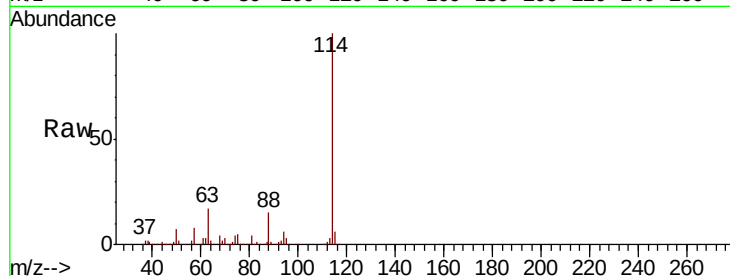




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

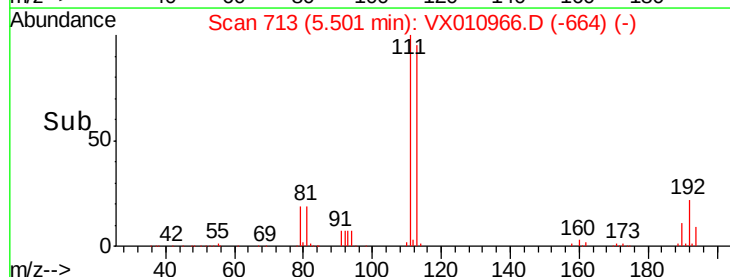
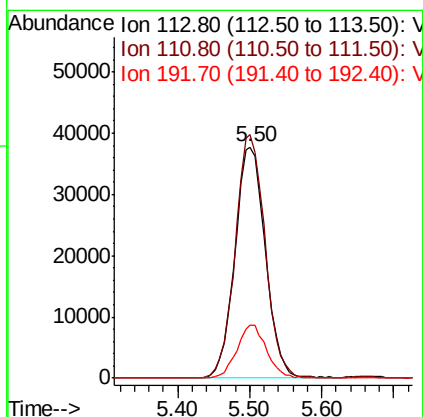
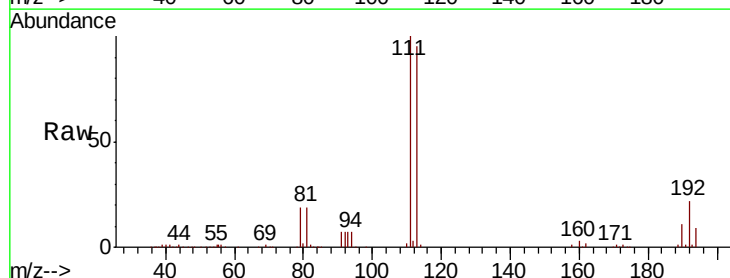
Instrument :
MSVOA_X
ClientSampleId :

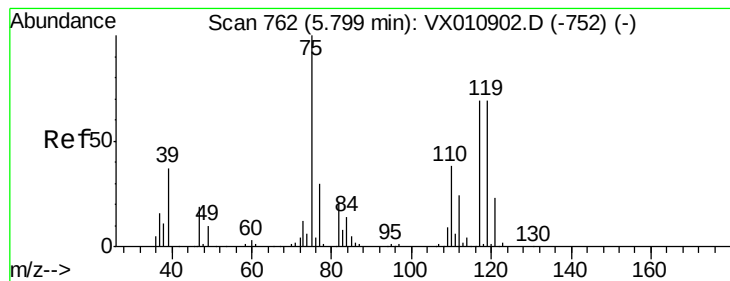
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.6
88	14.8	0.0	29.8



#35
Dibromofluoromethane
Concen: 48.255 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.3	123.5
192	22.2	17.4	26.2





#36

1,1-Dichloropropene

Concen: 5.314 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

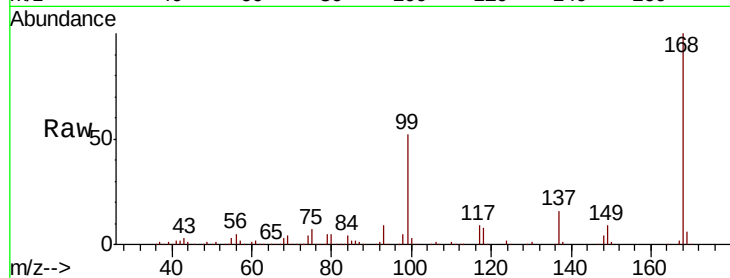
Tot Ion: 75 Resp: 15786

Ion Ratio Lower Upper

75 100

110 10.4 19.9 59.7#

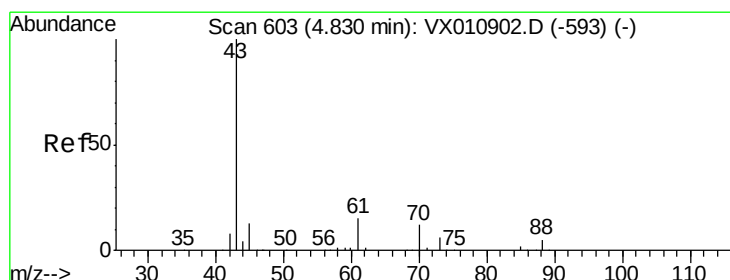
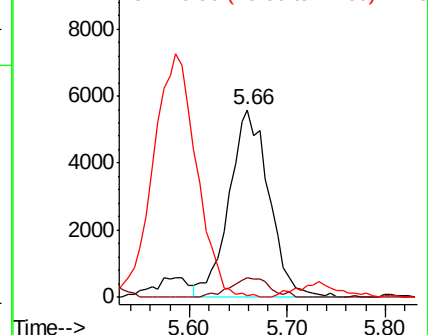
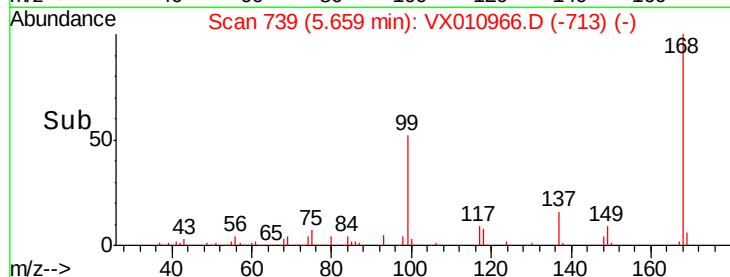
77 0.0 25.0 37.4#



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: 4.422 ug/l

RT: 4.56 min Scan# 558

Delta R.T. -0.27 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

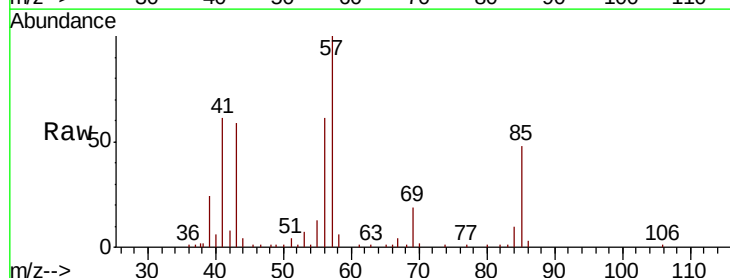
Tgt Ion: 43 Resp: 13449

Ion Ratio Lower Upper

43 100

61 0.6 11.6 17.4#

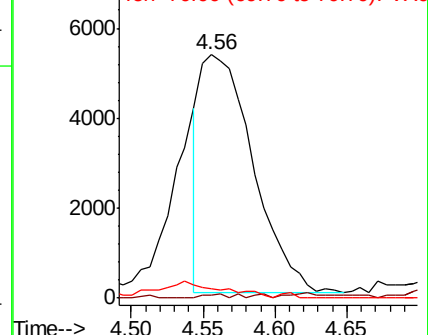
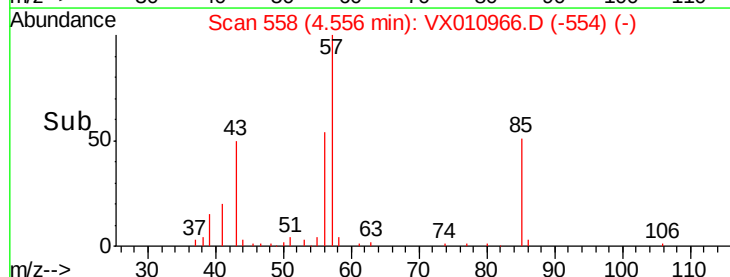
70 0.0 9.1 13.7#

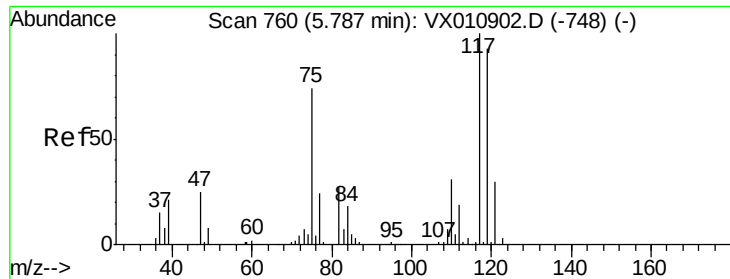


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

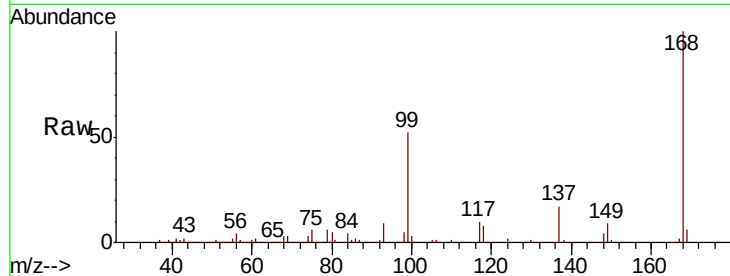




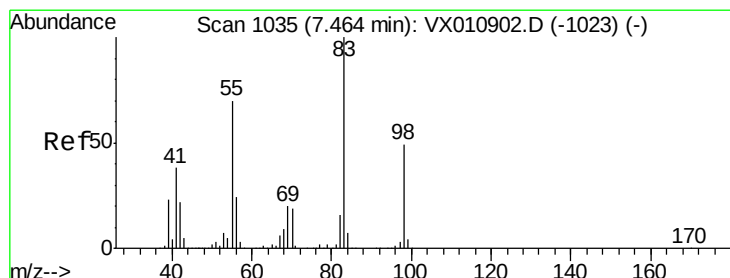
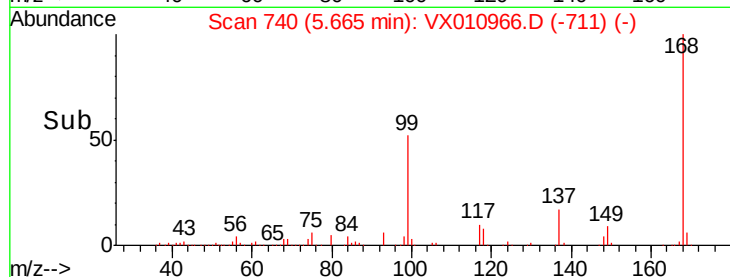
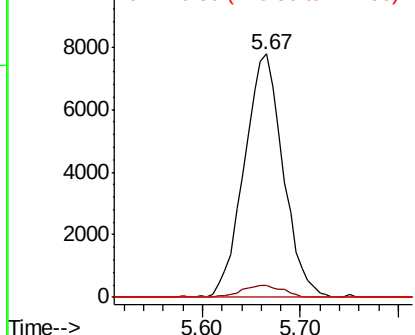
#38
Carbon Tetrachloride
Concen: 6.928 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 21444
Ion Ratio Lower Upper
117 100
119 5.0 74.2 111.2#
121 0.0 24.2 36.2#

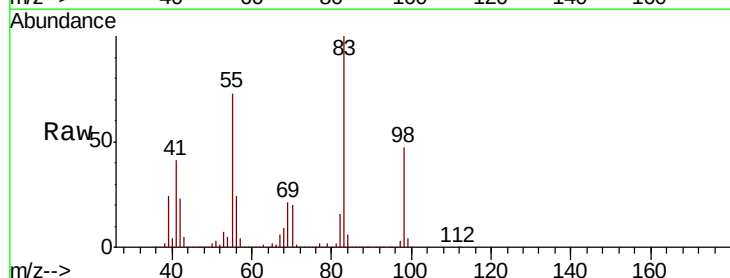


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

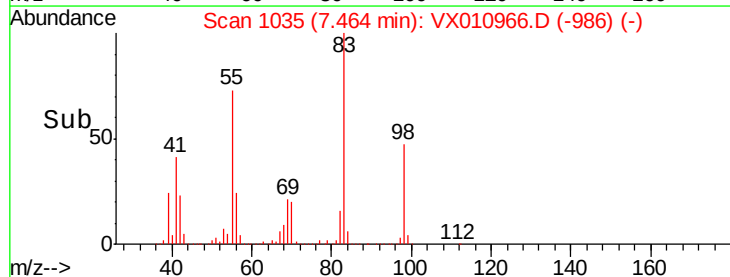
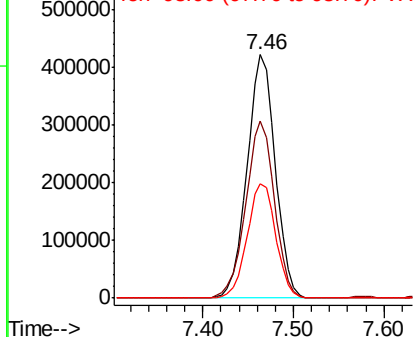


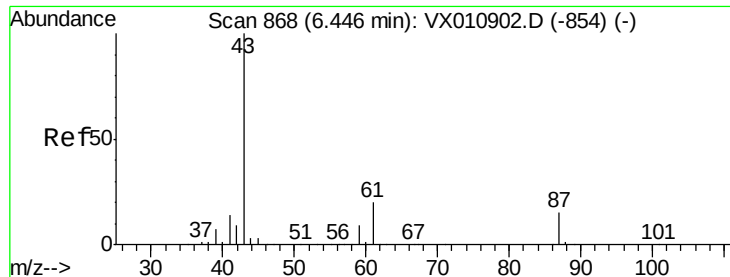
#39
Methylcyclohexane
Concen: 234.958 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 83 Resp: 905074
Ion Ratio Lower Upper
83 100
55 72.7 56.2 84.4
98 47.2 39.0 58.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 1.713 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

ClientSampled :

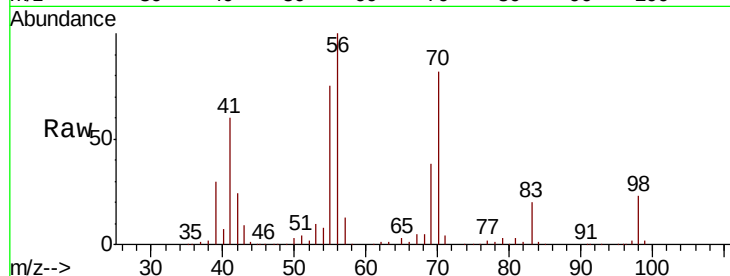
Tot Ion: 43 Resp: 8566

Ion Ratio Lower Upper

43 100

61 1.0 17.1 25.7#

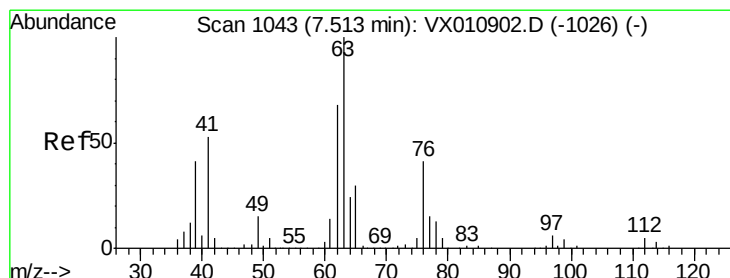
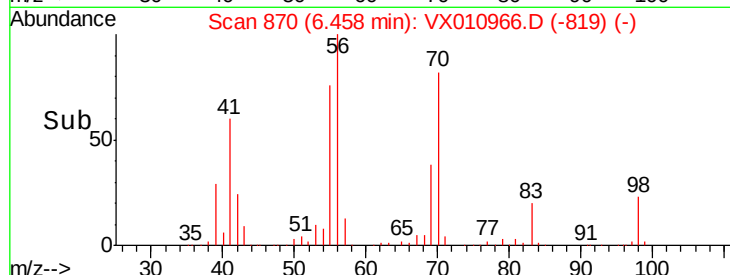
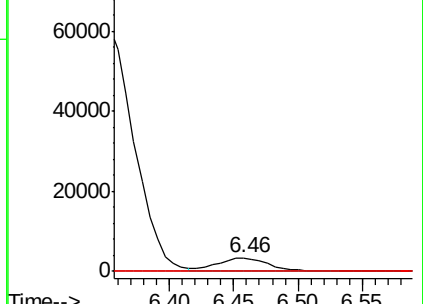
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 3.797 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010966.D

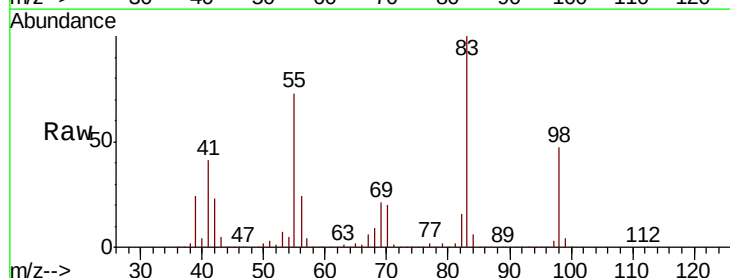
Acq: 18 Jul 2019 18:05

Tgt Ion: 63 Resp: 8794

Ion Ratio Lower Upper

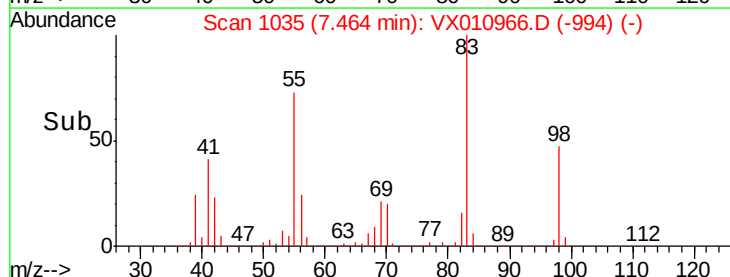
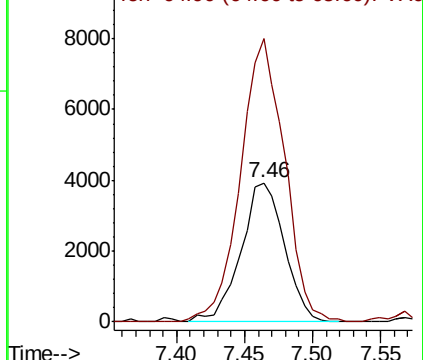
63 100

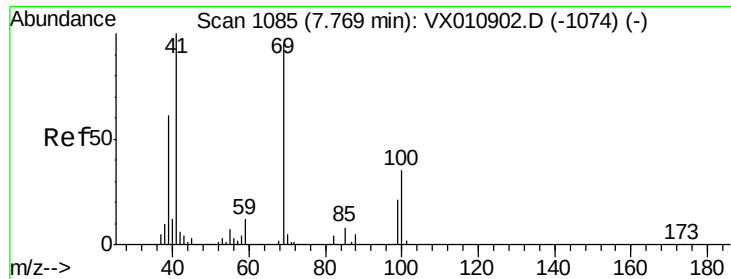
65 202.1 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

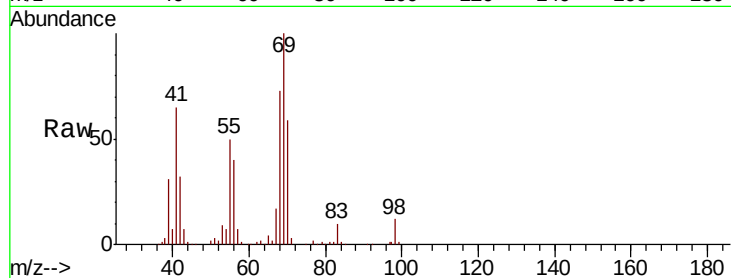




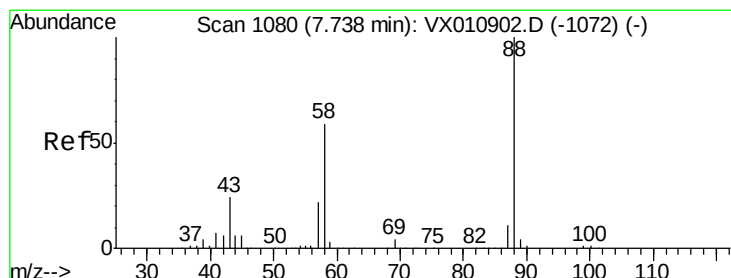
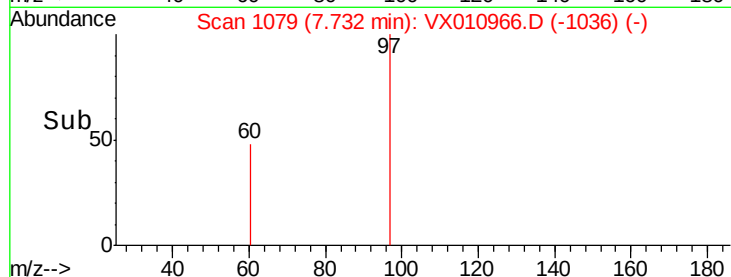
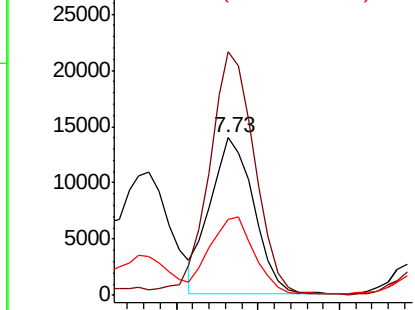
#48
Methvl methacrylate
Concen: 10.610 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 25851
Ion Ratio Lower Upper
41 100
69 162.1 74.4 111.6#
39 50.1 48.9 73.3

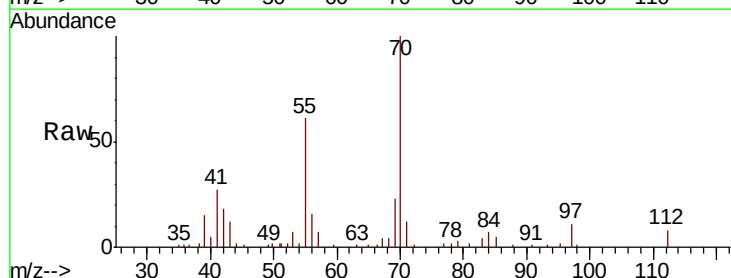


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

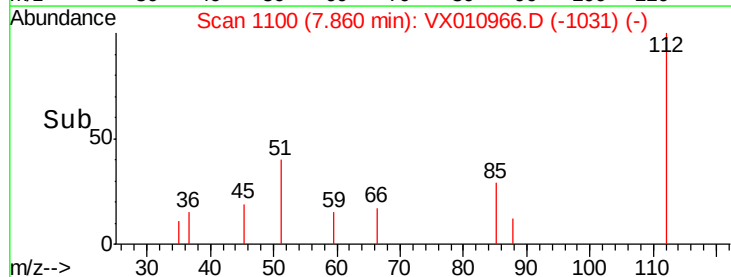
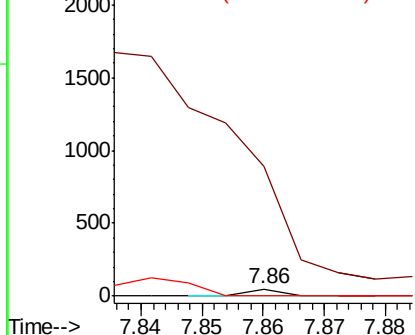


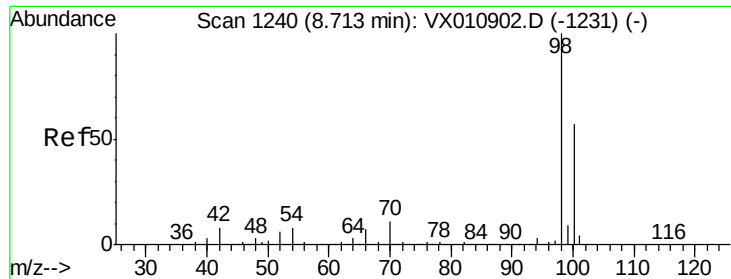
#49
1,4-Dioxane
Concen: 0.279 ug/l
RT: 7.86 min Scan# 1100
Delta R.T. 0.12 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 0.0 49.8 74.8#



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

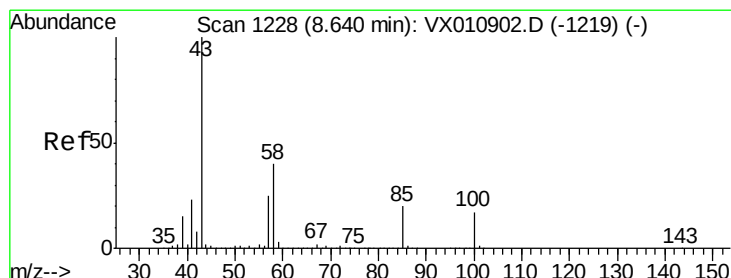
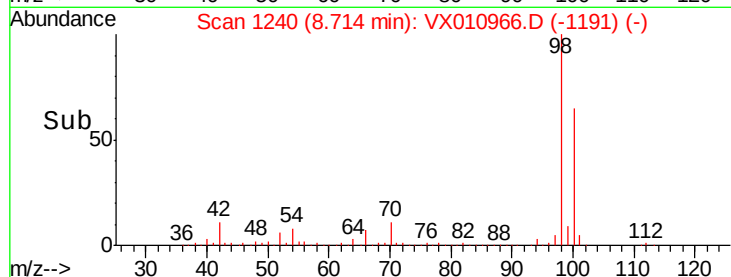
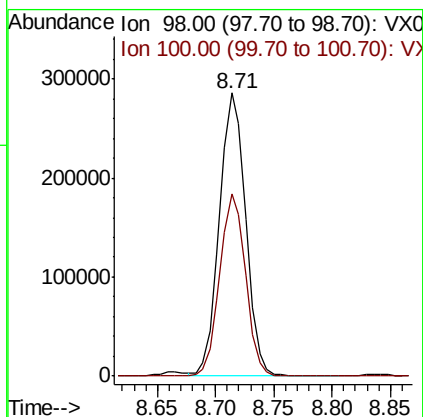
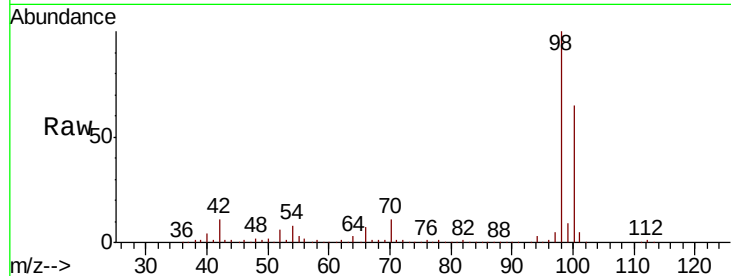




#50
Toluene-d8
Concen: 51.609 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

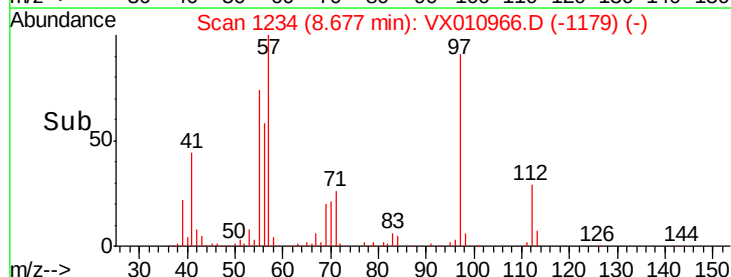
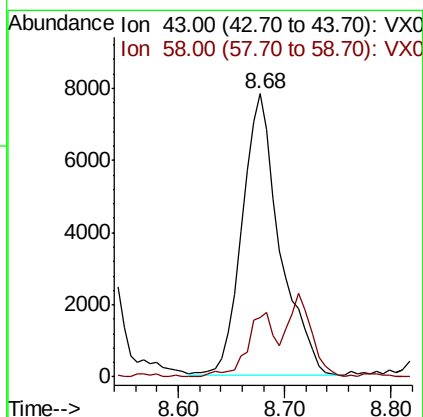
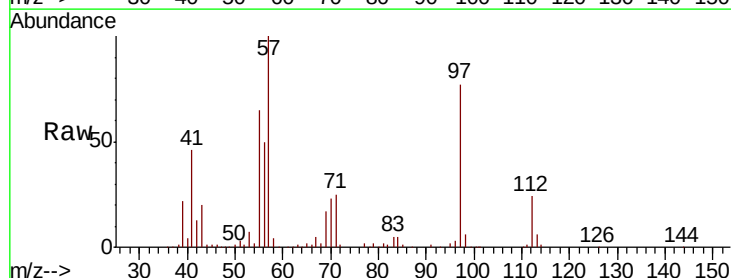
Instrument :
MSVOA_X
ClientSampleId :

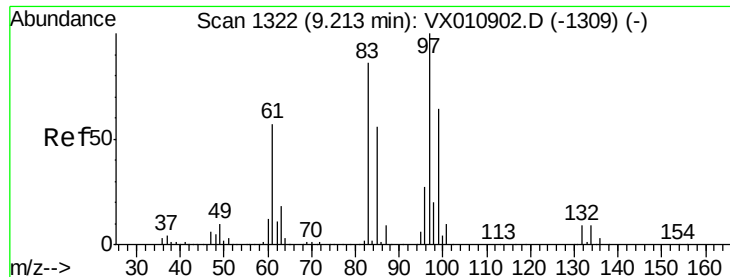
Tot Ion: 98 Resp: 444296
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 5.956 ug/l
RT: 8.68 min Scan# 1234
Delta R.T. 0.04 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 43 Resp: 19311
Ion Ratio Lower Upper
43 100
58 17.0 32.2 48.4#





#55

1,1,2-Trichloroethane

Concen: 17.045 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 41952

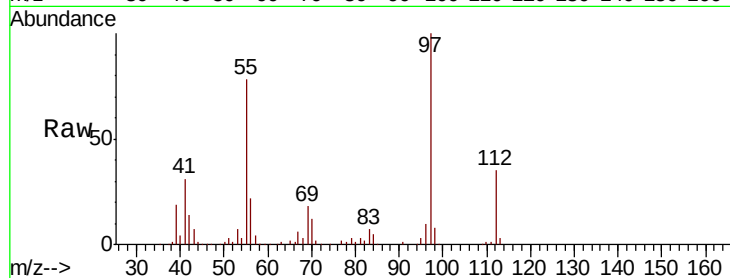
Ion Ratio Lower Upper

97 100

83 7.1 69.2 103.8#

85 0.3 44.6 66.8#

99 0.3 51.2 76.8#



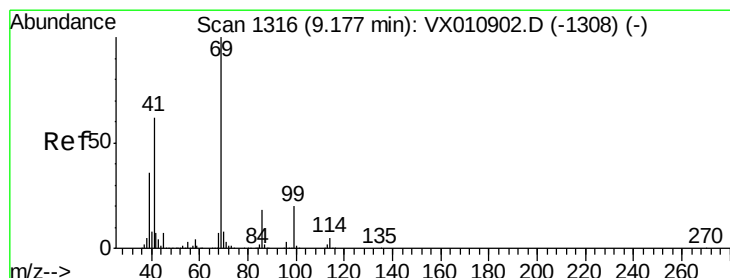
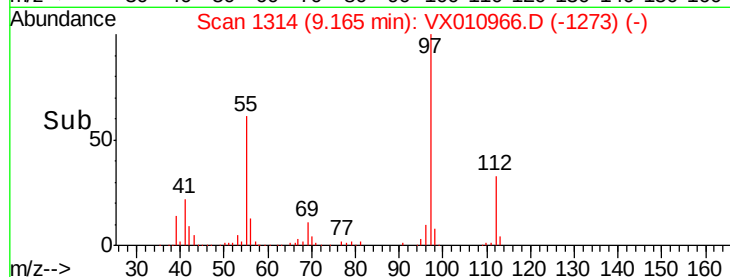
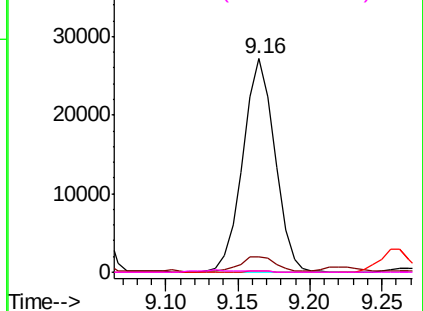
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 2.376 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

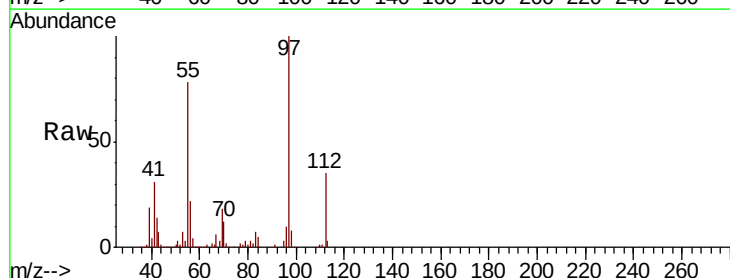
Tgt Ion: 69 Resp: 8555

Ion Ratio Lower Upper

69 100

41 159.3 49.7 74.5#

39 92.6 29.6 44.4#

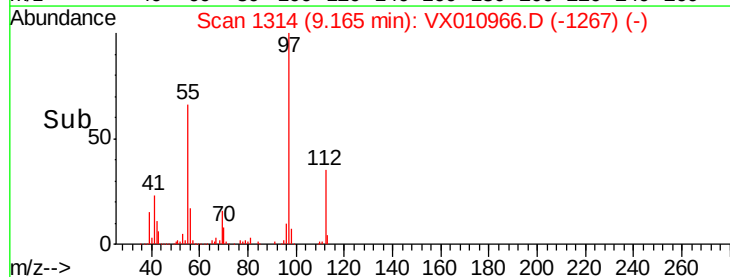
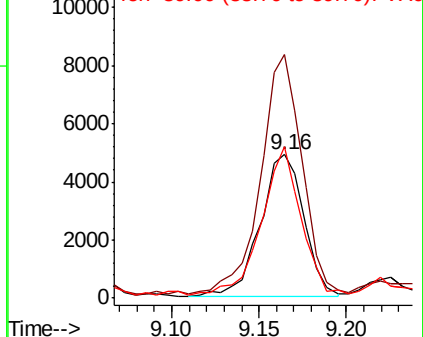


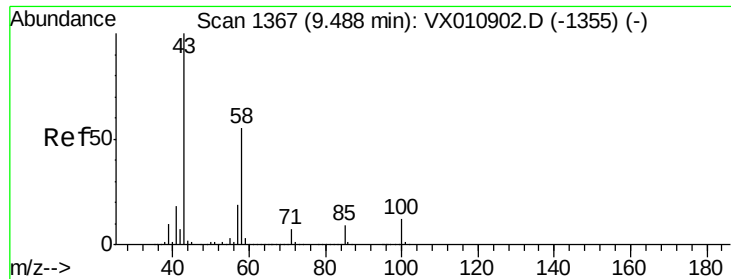
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

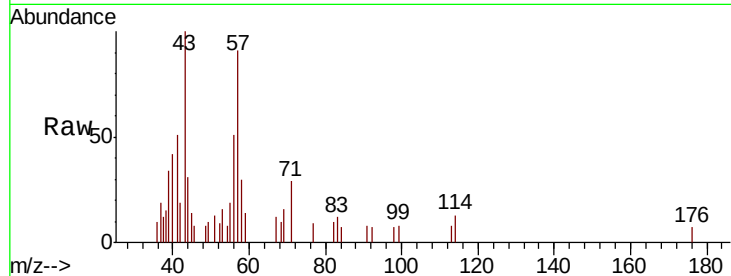




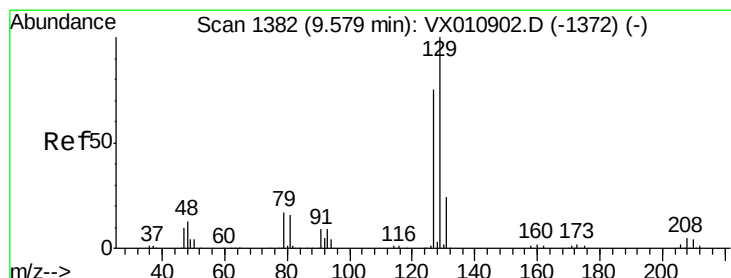
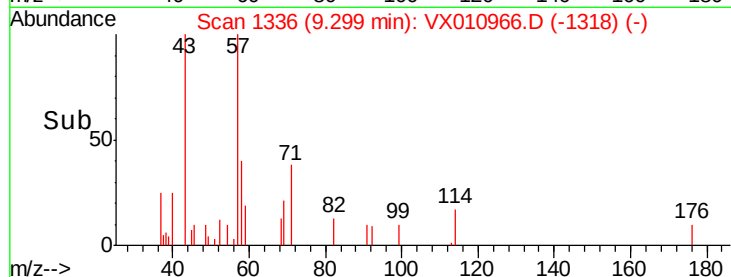
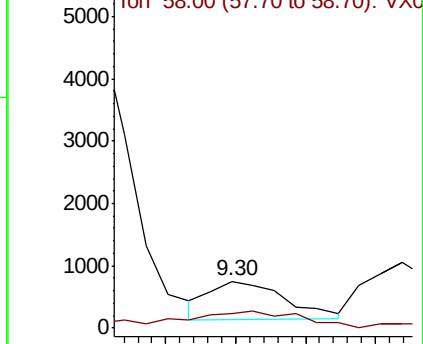
#59
2-Hexanone
Concen: 0.373 ug/l
RT: 9.30 min Scan# 1336
Delta R.T. -0.19 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
58 62.5 28.0 83.9

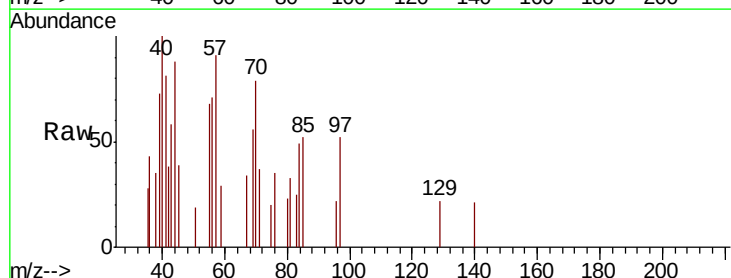


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

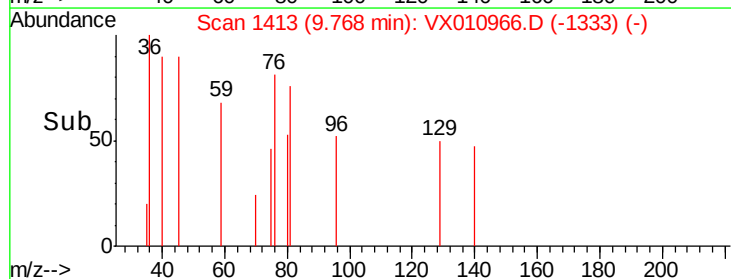
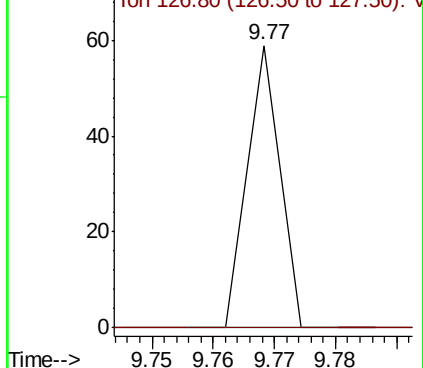


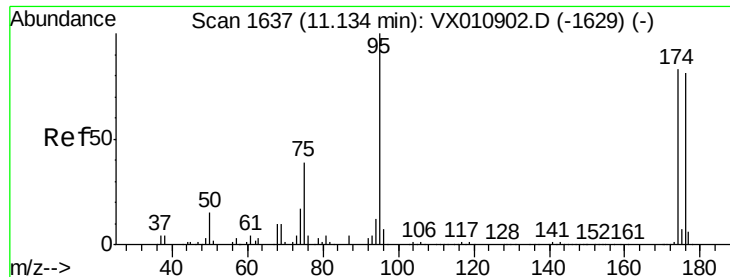
#60
Dibromochloromethane
Concen: 2.535 ug/l
RT: 9.77 min Scan# 1413
Delta R.T. 0.19 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 129 Resp: 22
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

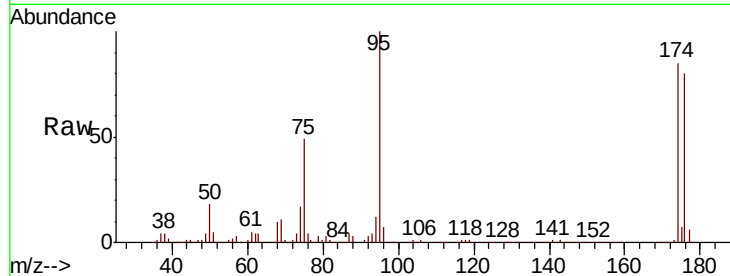




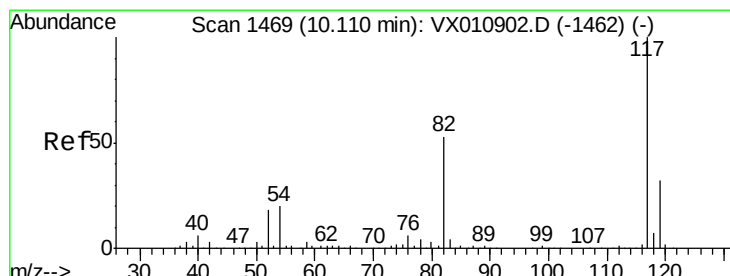
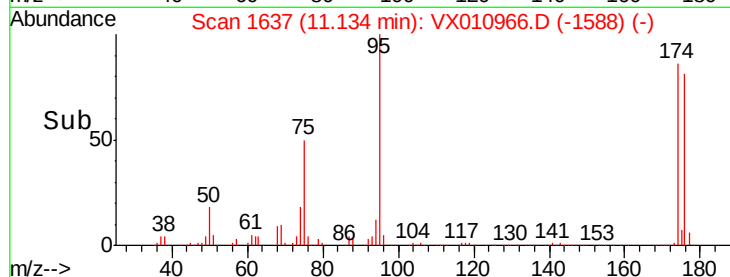
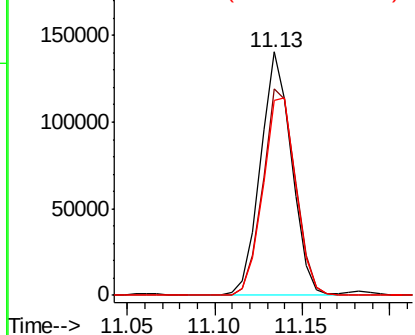
#62
4-Bromofluorobenzene
Concen: 54.935 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 173834
Ion Ratio Lower Upper
95 100
174 89.1 0.0 180.6
176 86.3 0.0 173.8

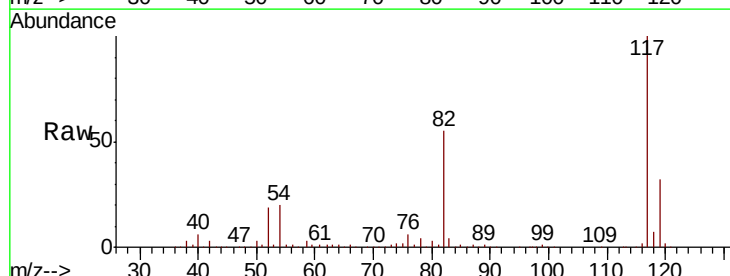


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

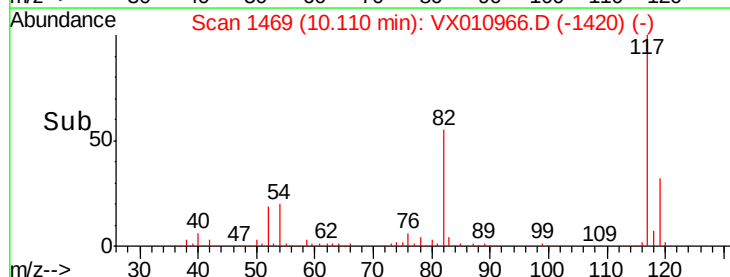
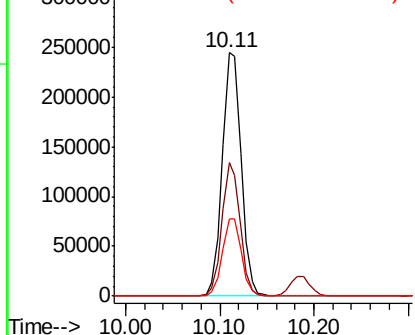


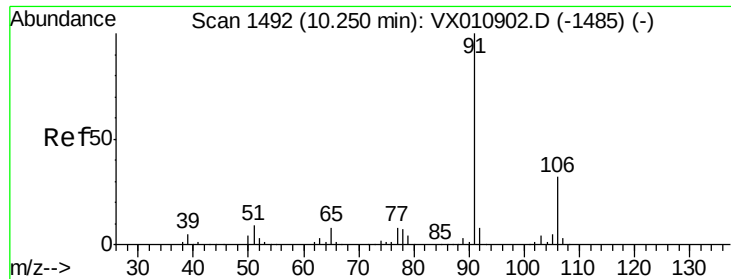
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 117 Resp: 341176
Ion Ratio Lower Upper
117 100
82 54.9 42.6 63.8
119 31.8 25.9 38.9



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





#67

Ethyl Benzene

Concen: 605.872 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

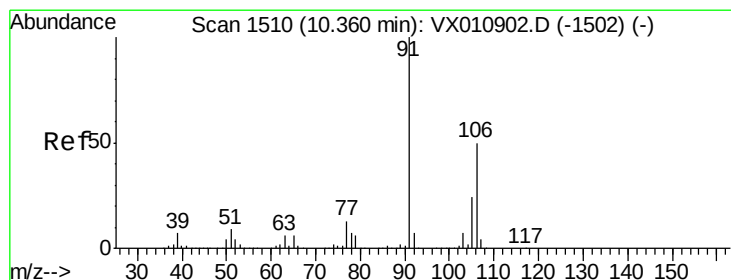
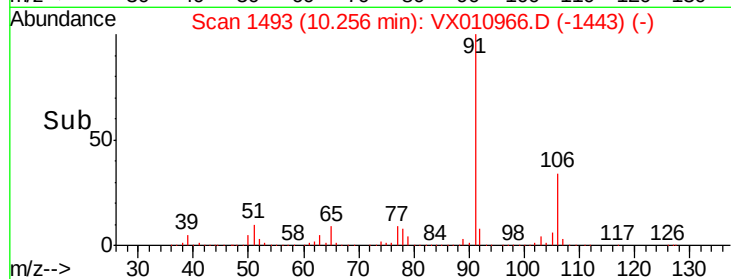
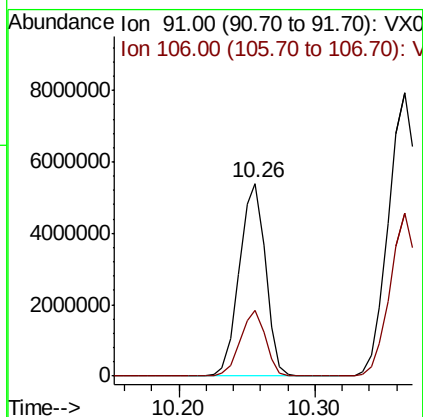
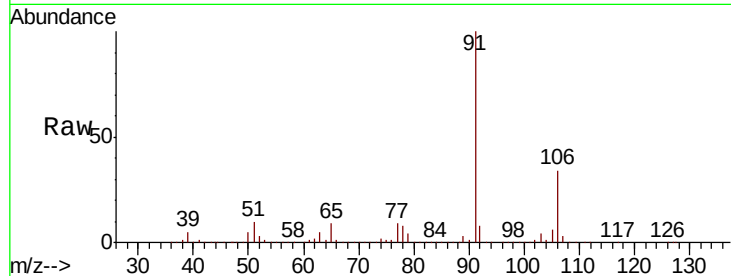
ClientSampled :

Tot Ion: 91 Resp: 7226588

Ion Ratio Lower Upper

91 100

106 34.3 25.4 38.2



#68

m/p-Xylenes

Concen: 1374.659 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX010966.D

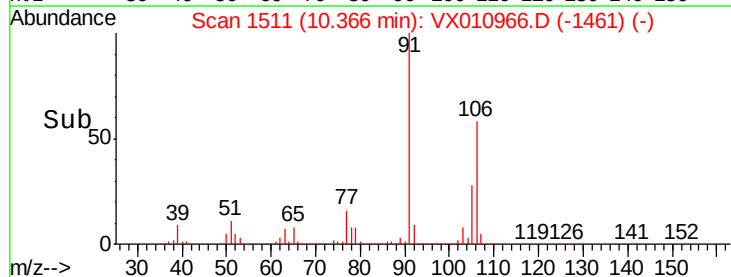
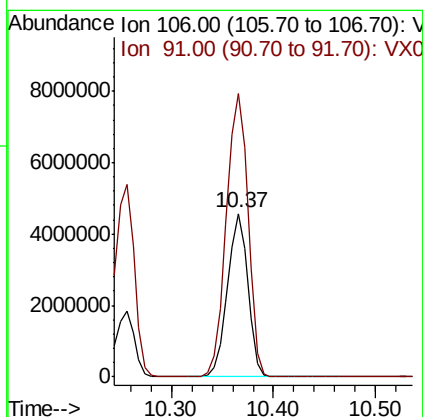
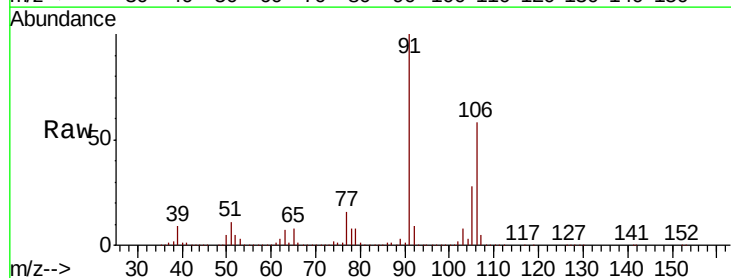
Acq: 18 Jul 2019 18:05

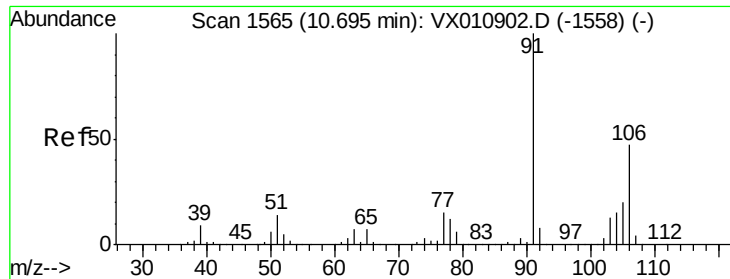
Tgt Ion: 106 Resp: 6289495

Ion Ratio Lower Upper

106 100

91 185.6 160.1 240.1





#69

o-Xylene

Concen: 464.227 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

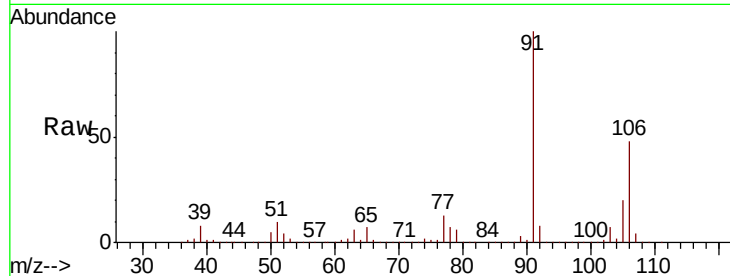
ClientSampled :

Tot Ion:106 Resp: 2072905

Ion Ratio Lower Upper

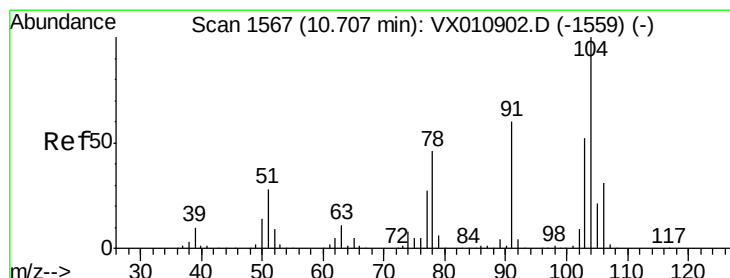
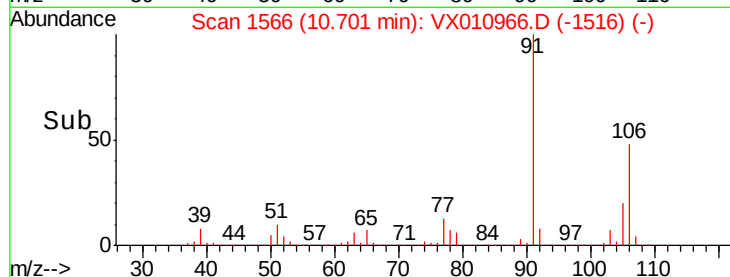
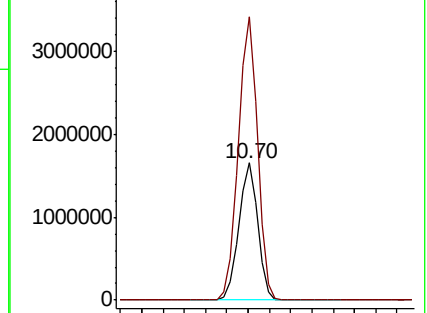
106 100

91 210.4 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 13.855 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

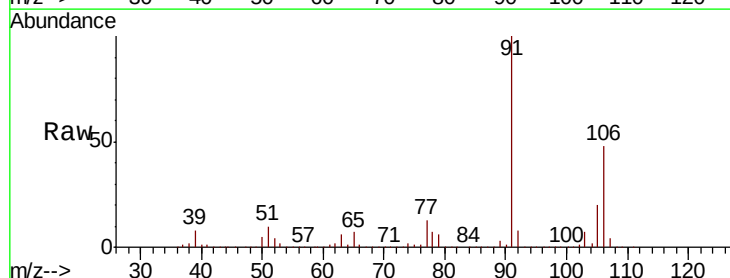
Tgt Ion:104 Resp: 103131

Ion Ratio Lower Upper

104 100

78 302.4 38.8 58.2#

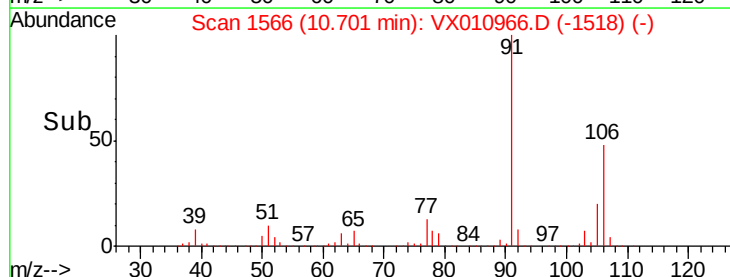
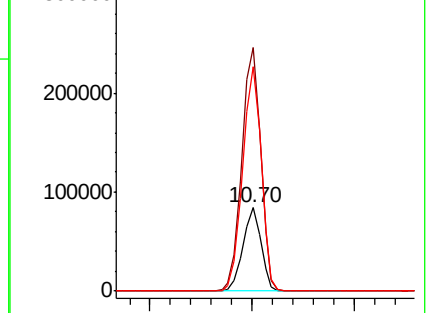
103 276.0 44.2 66.4#

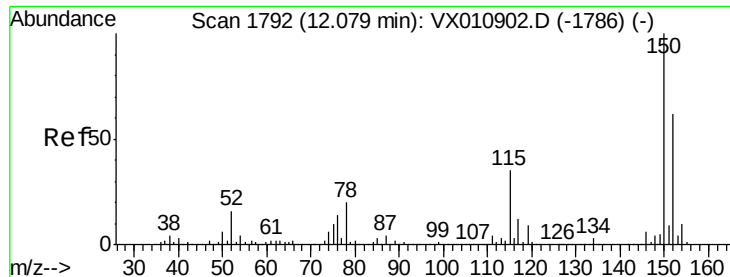


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



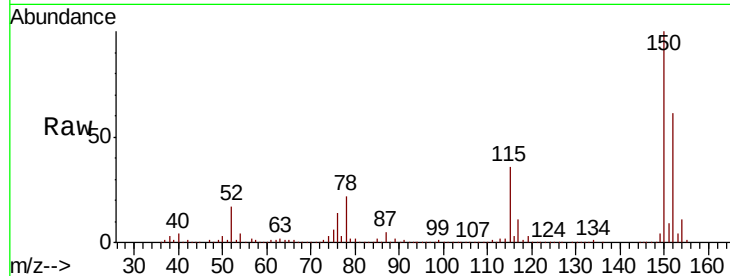


#72

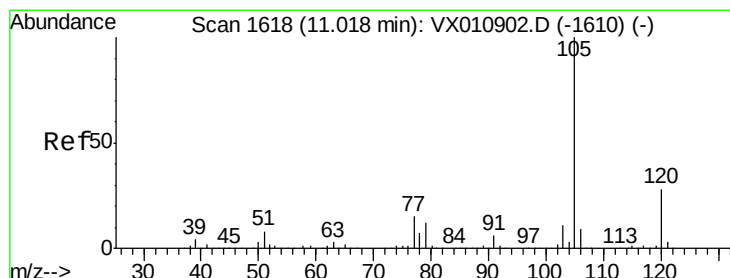
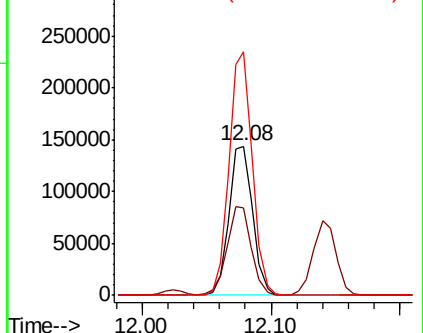
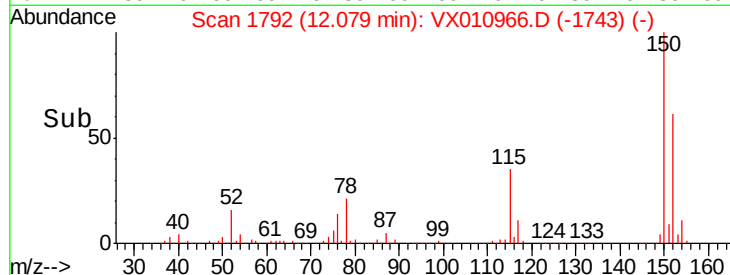
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 185726
Ion Ratio Lower Upper
152 100
115 59.9 39.7 119.1
150 159.5 0.0 345.6



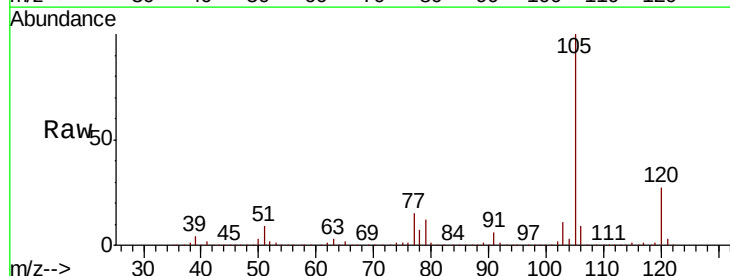
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



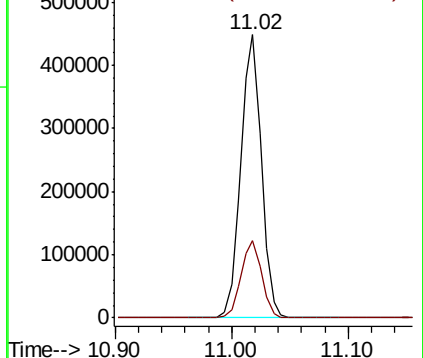
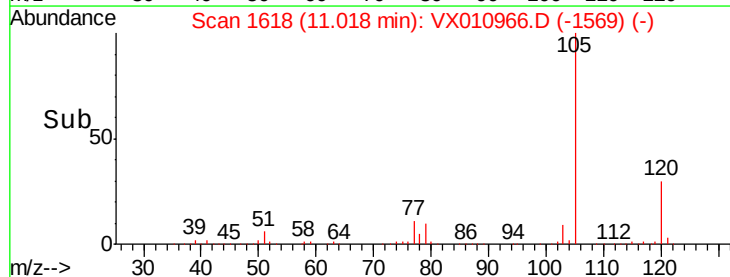
#73

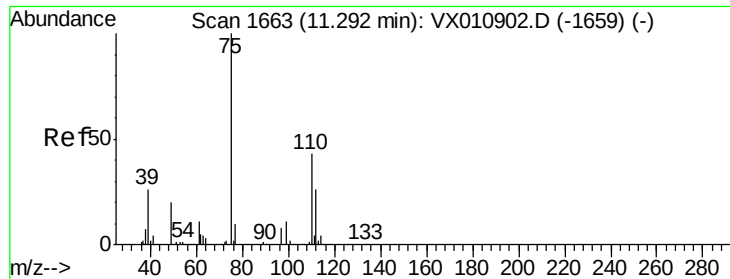
Isopropylbenzene
Concen: 44.114 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion:105 Resp: 553602
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 1.568 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. 0.06 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

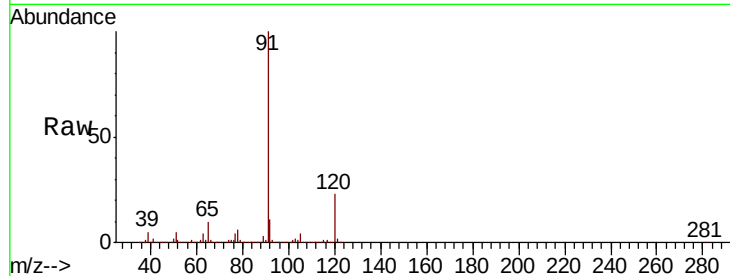
ClientSampled :

Tot Ion: 75 Resp: 5255

Ion Ratio Lower Upper

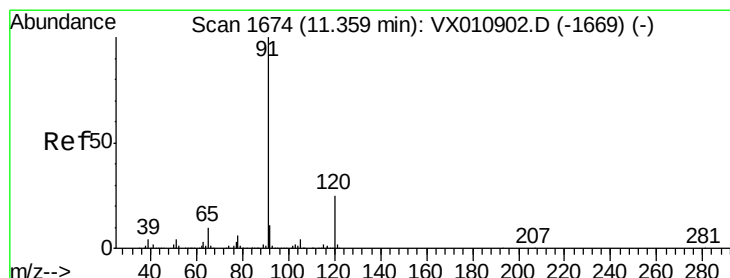
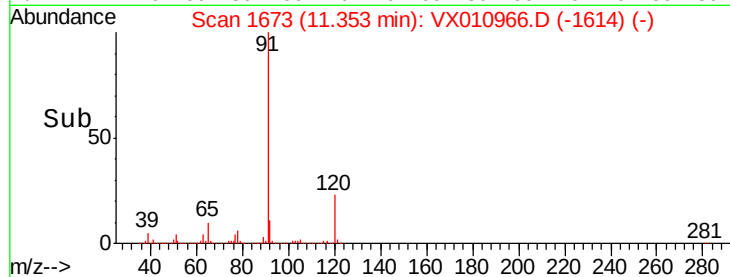
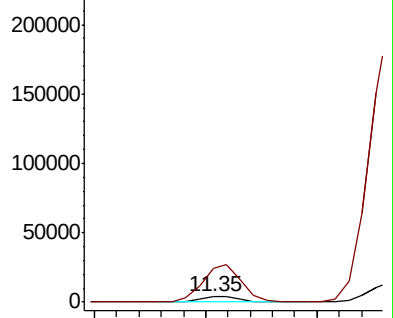
75 100

77 624.6 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 60.407 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010966.D

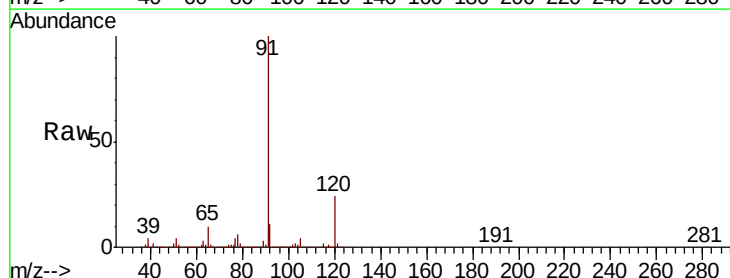
Acq: 18 Jul 2019 18:05

Tgt Ion: 91 Resp: 837608

Ion Ratio Lower Upper

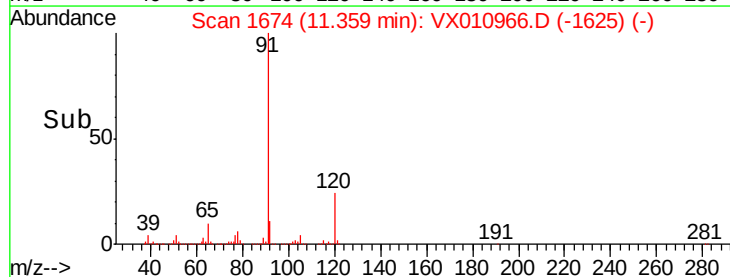
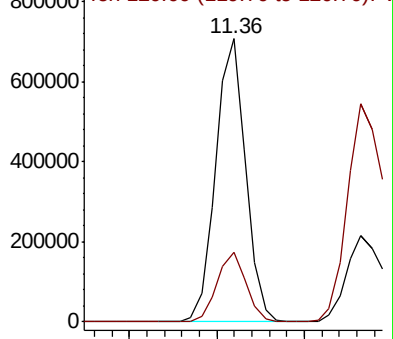
91 100

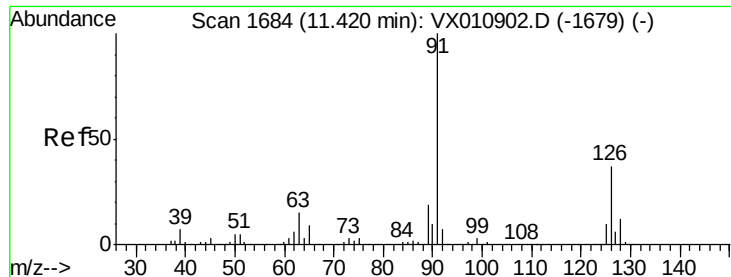
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.202 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

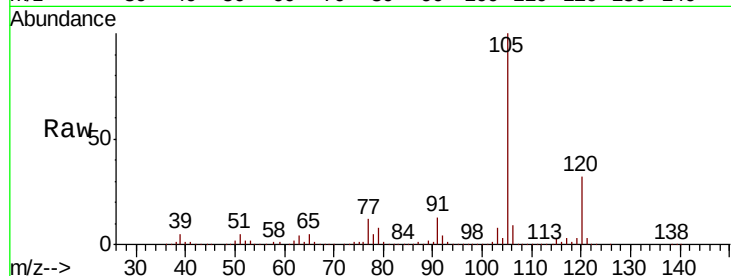
ClientSampleId :

Tot Ion: 91 Resp: 401510

Ion Ratio Lower Upper

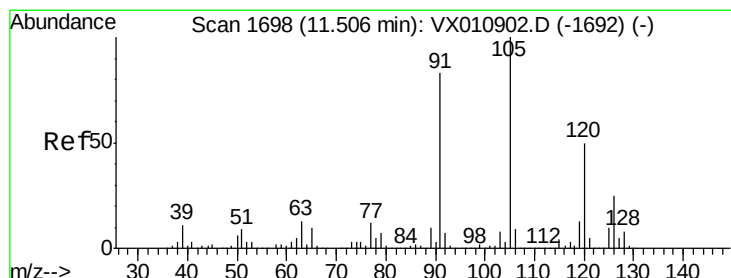
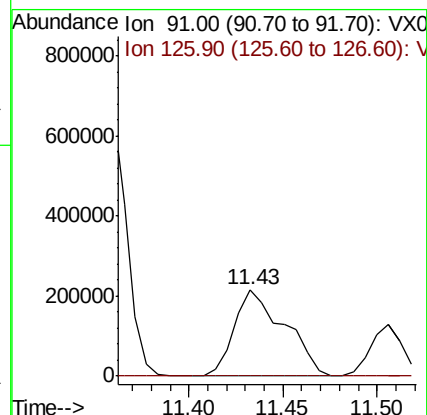
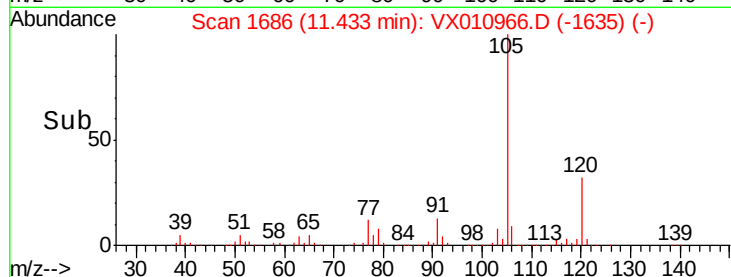
91 100

126 0.1 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 135.088 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010966.D

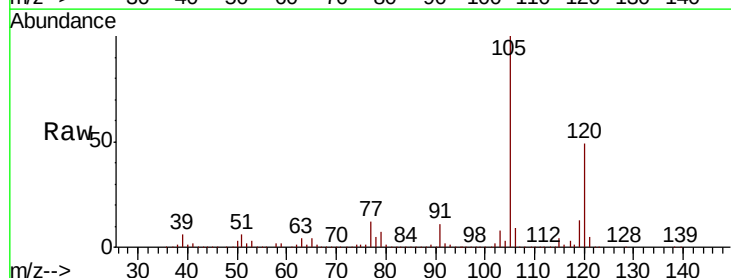
Acq: 18 Jul 2019 18:05

Tgt Ion:105 Resp: 1416585

Ion Ratio Lower Upper

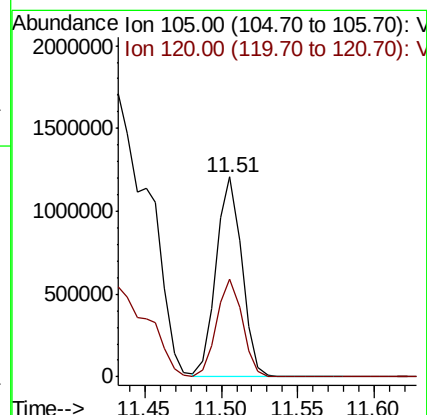
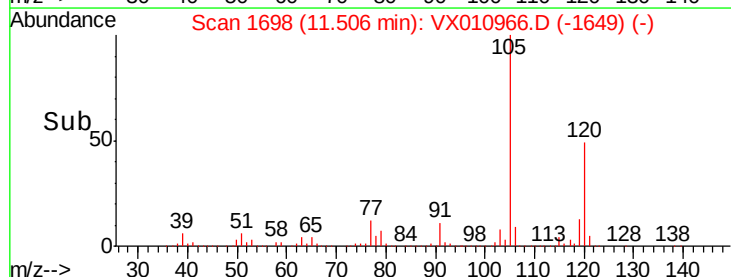
105 100

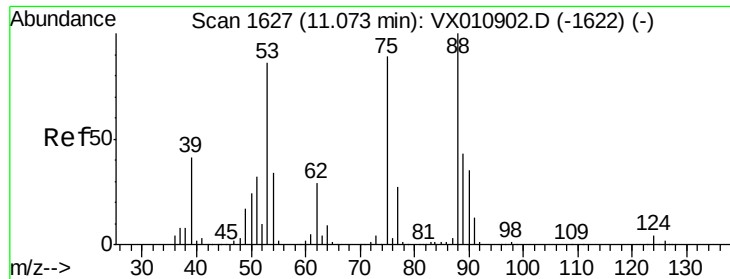
120 49.0 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

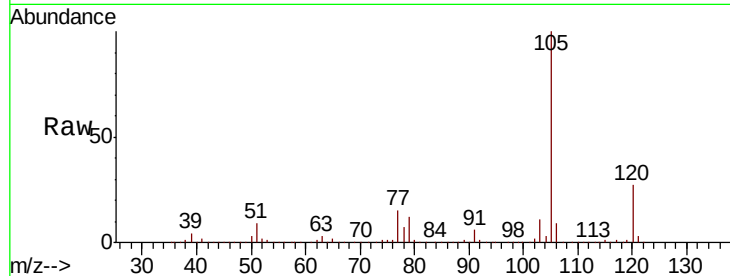




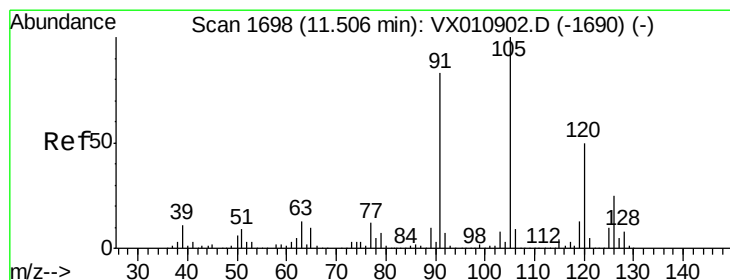
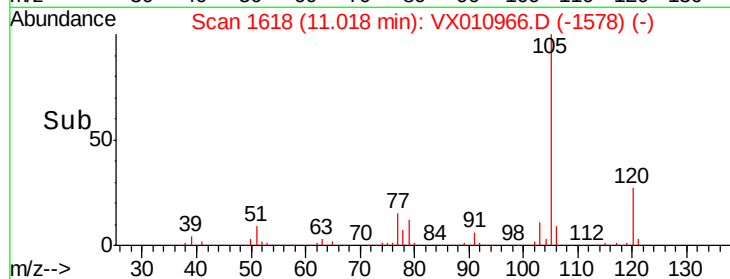
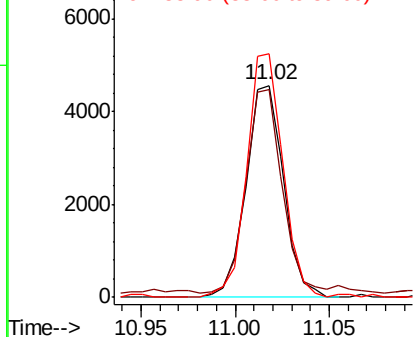
#81
trans-1,4-Dichloro-2-butene
Concen: 8.353 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.05 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 6285
Ion Ratio Lower Upper
75 100
53 95.2 76.7 115.1
89 110.6 38.5 57.7#

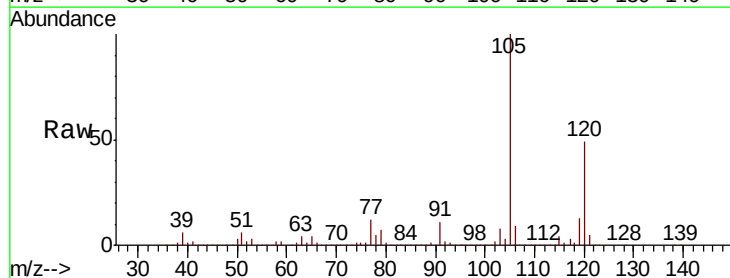


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

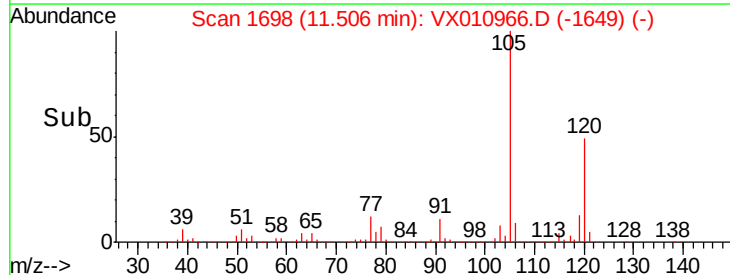
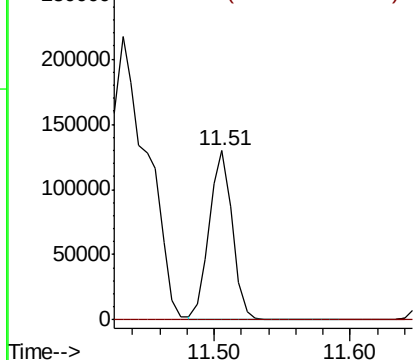


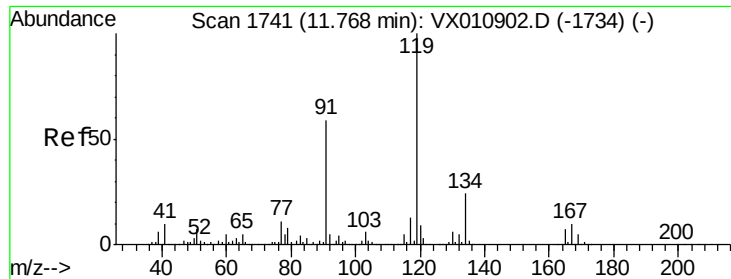
#82
4-Chlorotoluene
Concen: 15.660 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 91 Resp: 151822
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

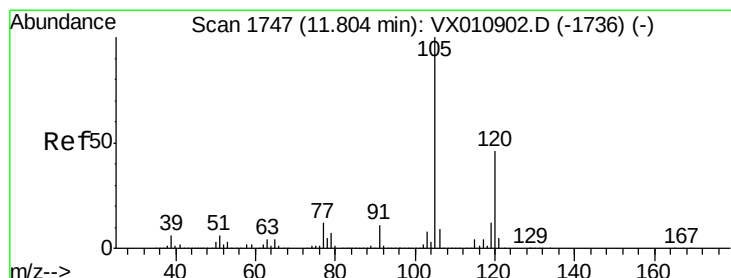
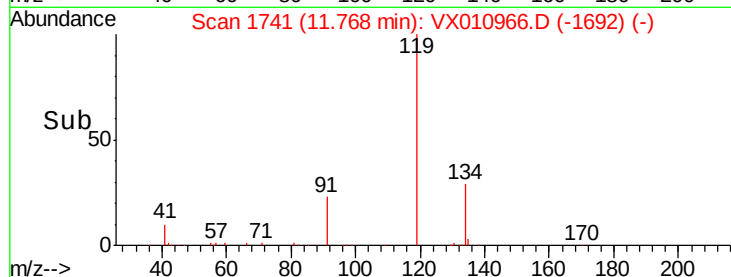
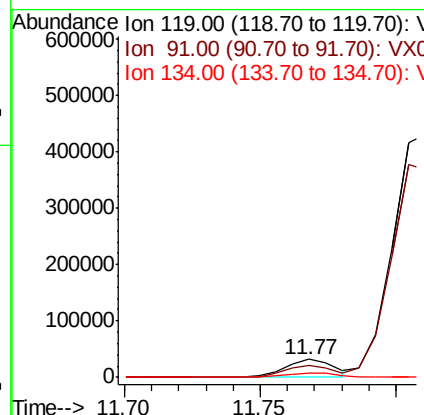
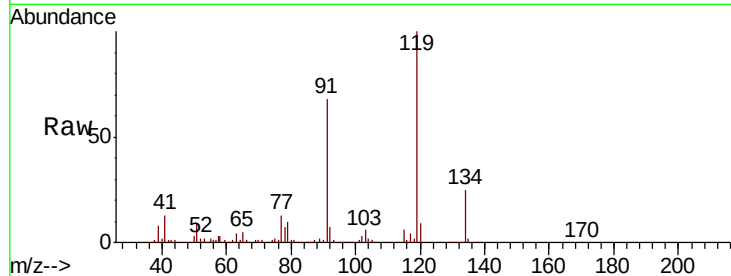




#83
 tert-Butylbenzene
 Concen: 3.744 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010966.D
 Acq: 18 Jul 2019 18:05

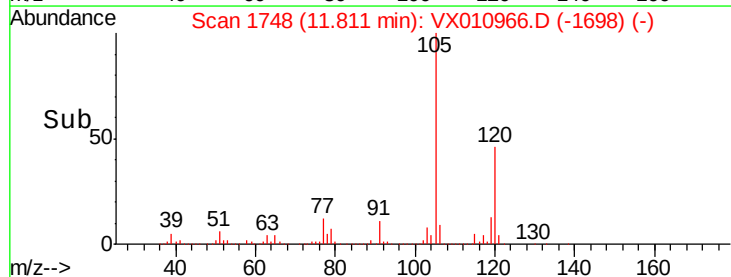
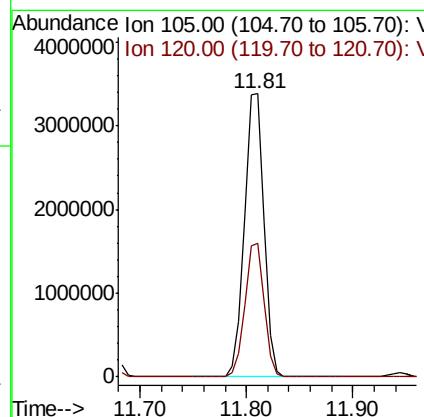
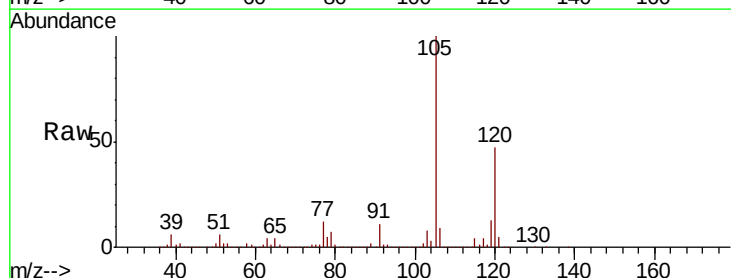
Instrument :
 MSVOA_X
 ClientSampled :

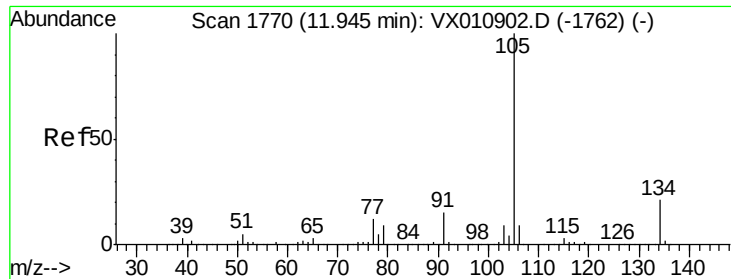
Tot Ion:119 Resp: 38564
 Ion Ratio Lower Upper
 119 100
 91 66.3 28.6 85.8
 134 24.9 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 413.009 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX010966.D
 Acq: 18 Jul 2019 18:05

Tgt Ion:105 Resp: 4365174
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.5





#85

sec-Butylbenzene

Concen: 361.678 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.13 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

Instrument :

MSVOA_X

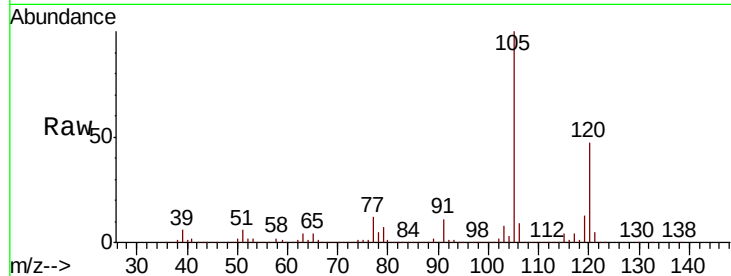
ClientSampled :

Tot Ion:105 Resp: 4365161

Ion Ratio Lower Upper

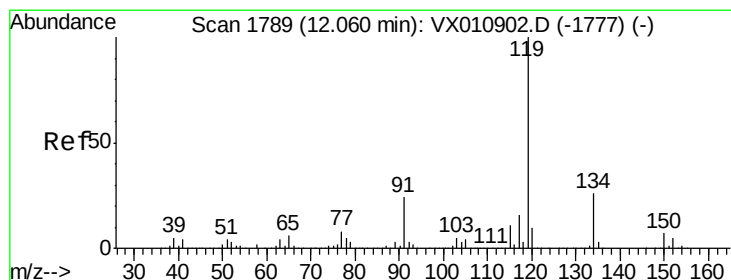
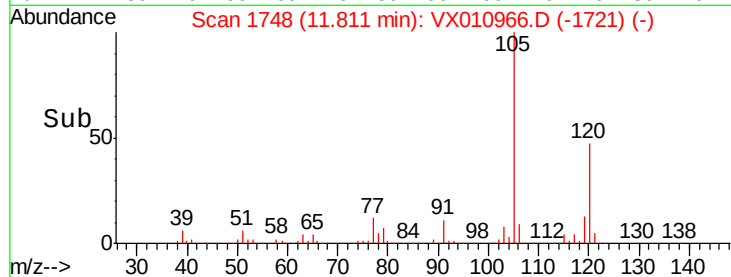
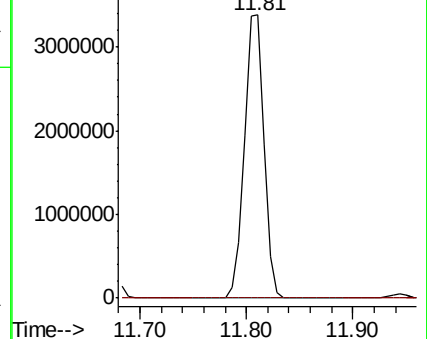
105 100

134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.706 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010966.D

Acq: 18 Jul 2019 18:05

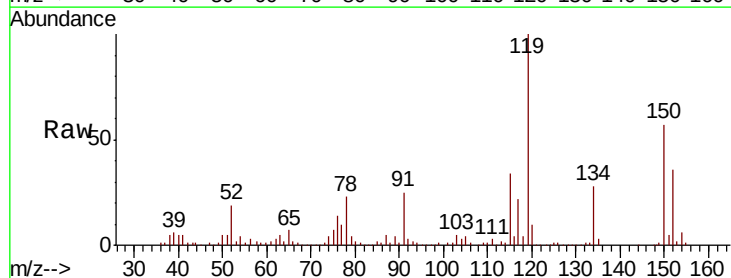
Tgt Ion:119 Resp: 63663

Ion Ratio Lower Upper

119 100

134 28.0 13.4 40.1

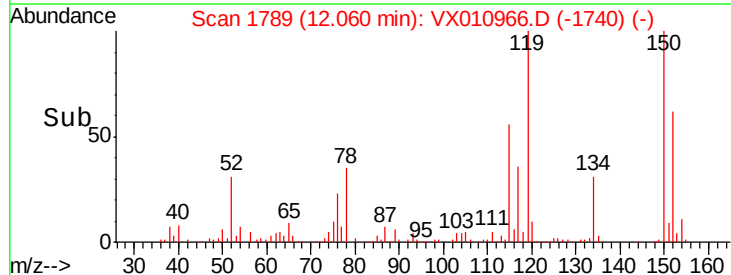
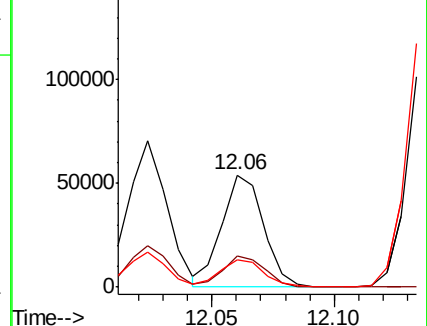
91 25.0 11.8 35.4

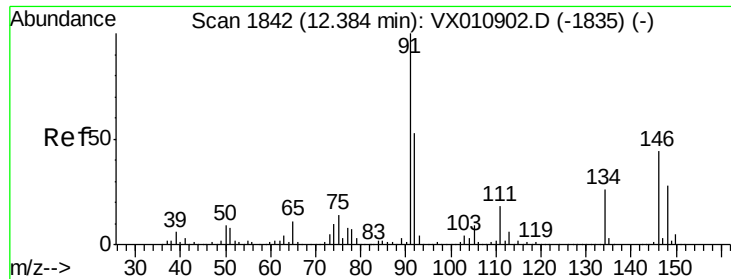


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

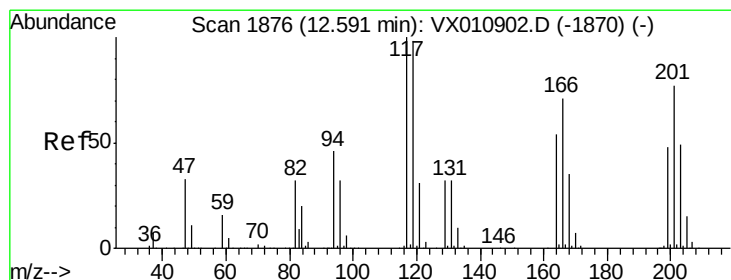
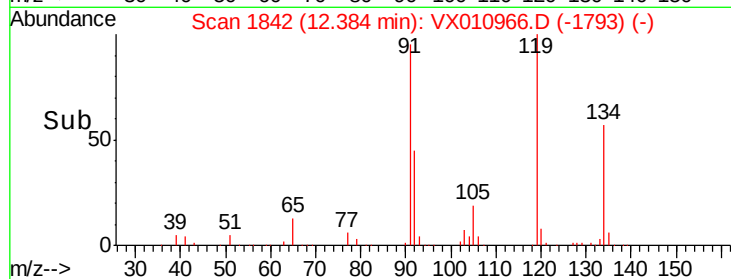
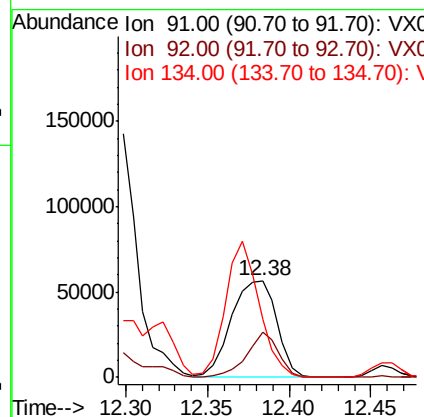
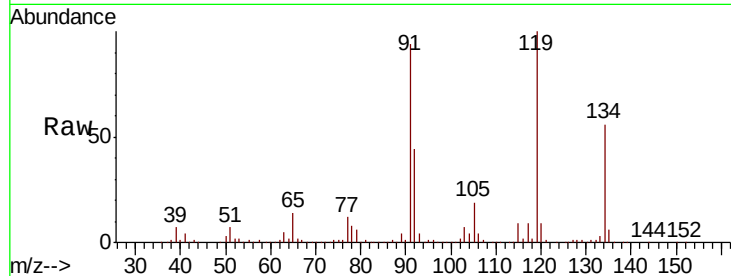




#89
n-Butylbenzene
Concen: 11.434 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

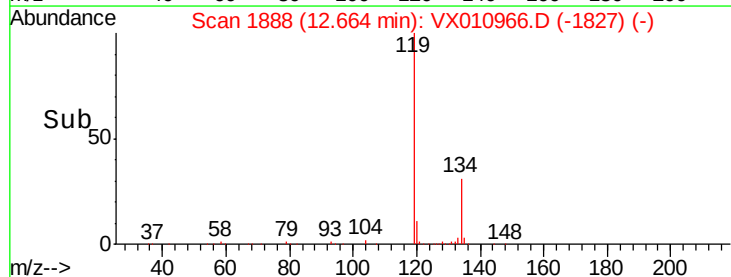
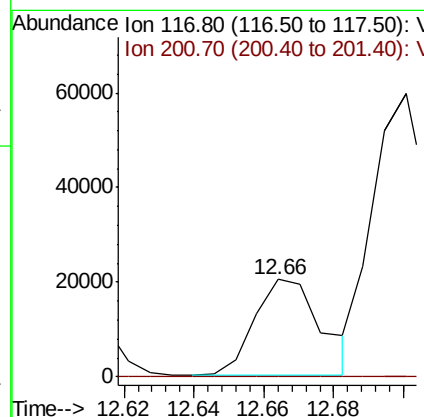
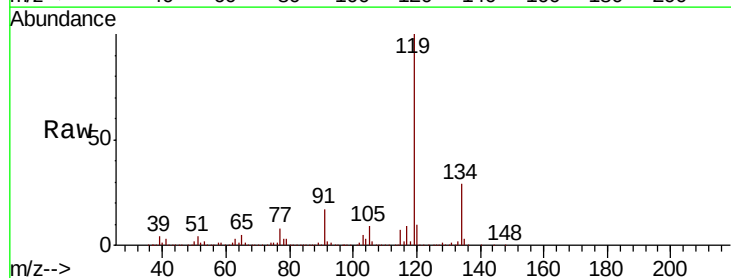
Instrument :
MSVOA_X
ClientSampled :

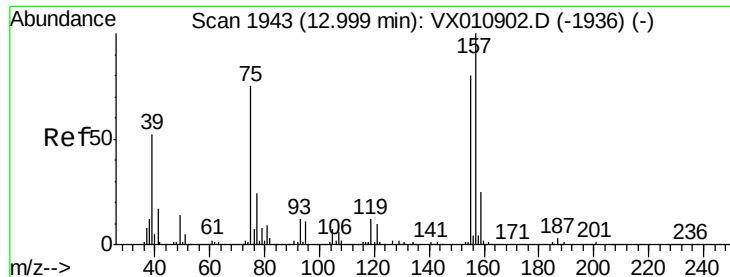
Tot Ion: 91 Resp: 109146
Ion Ratio Lower Upper
91 100
92 32.7 26.2 78.5
134 105.3 13.8 41.3#



#90
Hexachloroethane
Concen: 15.248 ug/l
RT: 12.66 min Scan# 1888
Delta R.T. 0.07 min
Lab File: VX010966.D
Acq: 18 Jul 2019 18:05

Tgt Ion: 117 Resp: 26835
Ion Ratio Lower Upper
117 100
201 0.0 43.3 129.8#

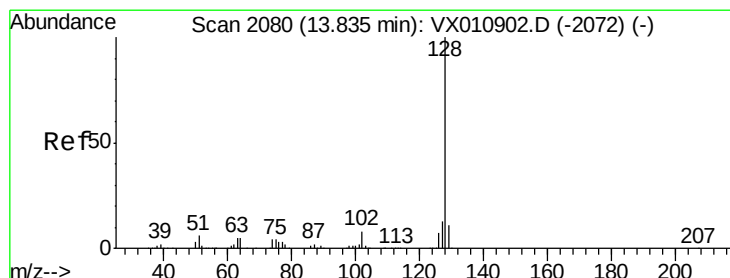
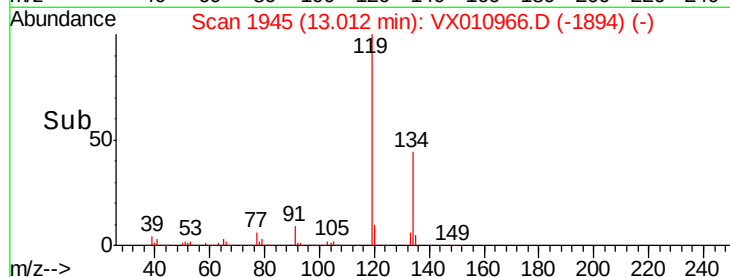
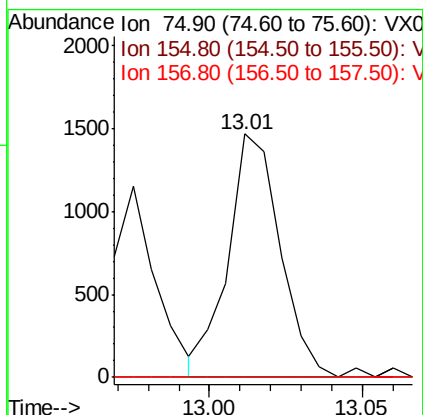
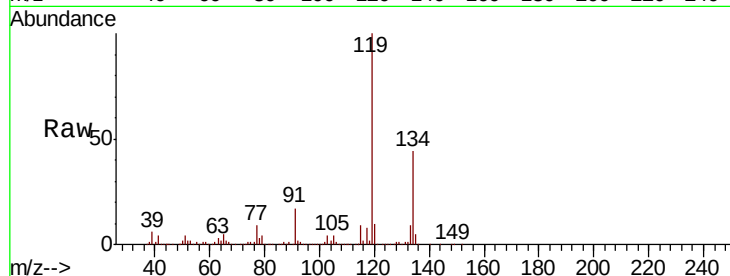




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.009 ug/l
 RT: 13.01 min Scan# 1945
 Delta R.T. 0.01 min
 Lab File: VX010966.D
 Acq: 18 Jul 2019 18:05

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 1725
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.7 146.1#
 157 0.0 62.5 187.6#



#95
 Naphthalene
 Concen: 212.677 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX010966.D
 Acq: 18 Jul 2019 18:05

Tgt Ion:128 Resp: 2533982
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 11.1 8.9 13.3

