

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010271.D
 Acq On : 13 Jun 2019 14:39
 Operator : JC/SP
 Sample : VX0613WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:32:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	284579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	423666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	384059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196618	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	137017	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	135523	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	8.71	98	513855	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.13	95	182194	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	51996	19.857	ug/l	98
3) Chloromethane	1.33	50	48790	18.762	ug/l	100
4) Vinyl Chloride	1.41	62	52274	21.388	ug/l	97
5) Bromomethane	1.64	94	25913	28.096	ug/l	98
6) Chloroethane	1.72	64	31429	25.505	ug/l	95
7) Trichlorofluoromethane	1.93	101	81788	22.528	ug/l	99
8) Diethyl Ether	2.19	74	29219	23.350	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46533	18.594	ug/l	91
10) Methyl Iodide	2.51	142	65307	16.843	ug/l	99
11) Tert butyl alcohol	3.04	59	75025	110.252	ug/l	98
12) 1,1-Dichloroethene	2.37	96	47108	18.429	ug/l #	78
13) Acrolein	2.29	56	10669	85.985	ug/l	98
14) Allyl chloride	2.73	41	68047	17.636	ug/l #	87
15) Acrylonitrile	3.14	53	136977	98.481	ug/l	99
16) Acetone	2.44	43	115587	88.469	ug/l #	85
17) Carbon Disulfide	2.57	76	117804	15.950	ug/l	99
18) Methyl Acetate	2.78	43	59036	20.546	ug/l #	84
19) Methyl tert-butyl Ether	3.20	73	154559	18.821	ug/l	92
20) Methylene Chloride	2.85	84	53272	18.566	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	50453	17.836	ug/l #	79
22) Diisopropyl ether	3.85	45	143327	19.429	ug/l #	90
23) Vinyl Acetate	3.81	43	621694	94.466	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	82748	18.475	ug/l #	94
25) 2-Butanone	4.67	43	190551	97.943	ug/l #	82
26) 2,2-Dichloropropane	4.58	77	63606	15.566	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	61023	19.391	ug/l	75
28) Bromochloromethane	5.01	49	34392	17.133	ug/l #	50
29) Tetrahydrofuran	5.13	42	120381	98.457	ug/l #	75
30) Chloroform	5.21	83	88091	18.938	ug/l	97
31) Cyclohexane	5.58	56	74706	18.481	ug/l #	78
32) 1,1,1-Trichloroethane	5.49	97	79283	18.130	ug/l #	93
36) 1,1-Dichloropropene	5.80	75	61312	17.738	ug/l	90
37) Ethyl Acetate	4.84	43	69104	19.215	ug/l #	92
38) Carbon Tetrachloride	5.79	117	71877	18.372	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	83096	17.655	ug/l #	82
40) Benzene	6.14	78	203997	19.086	ug/l	98
41) Methacrylonitrile	5.04	41	37877	19.470	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	64547	18.917	ug/l	92
43) Isopropyl Acetate	6.44	43	112826	18.763	ug/l #	89
44) Trichloroethene	7.21	130	61141	18.978	ug/l	85
45) 1,2-Dichloropropane	7.51	63	51709	19.329	ug/l	97
46) Dibromomethane	7.66	93	37627	18.774	ug/l	90
47) Bromodichloromethane	7.90	83	68681	18.340	ug/l #	96
48) Methyl methacrylate	7.77	41	52512	18.673	ug/l #	77
49) 1,4-Dioxane	7.74	88	32599	406.585	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	368438	102.566	ug/l	90
52) Toluene	8.78	92	133909	19.060	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	73555	16.981	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	82345	17.732	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	55781	19.386	ug/l	96
56) Ethyl methacrylate	9.18	69	84853	18.669	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	87035	19.213	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	203302	94.880	ug/l #	86
59) 2-Hexanone	9.49	43	289638	101.127	ug/l	88
60) Dibromochloromethane	9.58	129	63307	18.601	ug/l	98
61) 1,2-Dibromoethane	9.67	107	60431	18.857	ug/l	100
64) Tetrachloroethene	9.34	164	60120	21.076	ug/l	96
65) Chlorobenzene	10.13	112	152435	19.231	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	57491	18.860	ug/l	99
67) Ethyl Benzene	10.25	91	254105	18.831	ug/l	92
68) m/p-Xylenes	10.36	106	199294	38.166	ug/l	89
69) o-Xylene	10.69	106	99433	19.156	ug/l	88
70) Styrene	10.71	104	165326	18.806	ug/l	95
71) Bromoform	10.85	173	49174	17.548	ug/l #	100
73) Isopropylbenzene	11.02	105	260523	18.981	ug/l	96
74) N-amyl acetate	10.90	43	100656	18.552	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	88261	18.786	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	96936	24.648	ug/l	84
77) Bromobenzene	11.26	156	70893	18.783	ug/l	81
78) n-propylbenzene	11.36	91	282134	18.464	ug/l	94
79) 2-Chlorotoluene	11.42	91	166705	18.165	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	214817	18.582	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	28065	15.767	ug/l	86
82) 4-Chlorotoluene	11.51	91	191542	18.373	ug/l	90
83) tert-Butylbenzene	11.77	119	214577	18.339	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	216163	18.512	ug/l	95
85) sec-Butylbenzene	11.94	105	251015	18.414	ug/l	96
86) p-Isopropyltoluene	12.06	119	230687	18.511	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	125139	18.823	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	124853	18.630	ug/l	98
89) n-Butylbenzene	12.38	91	192029	17.901	ug/l	97
90) Hexachloroethane	12.59	117	42018	16.926	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	127004	19.650	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19134	17.307	ug/l	66

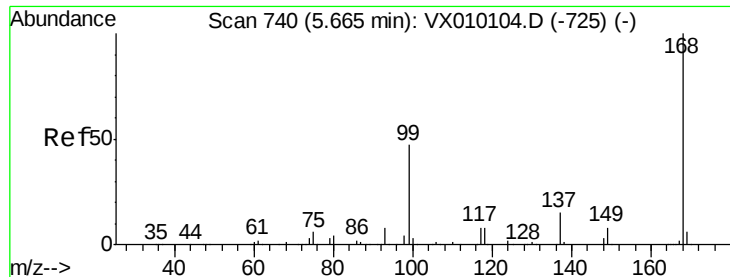
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85739	18.122	ug/l	98
94) Hexachlorobutadiene	13.78	225	41220	19.591	ug/l	99
95) Naphthalene	13.83	128	278331	18.689	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	88365	18.890	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

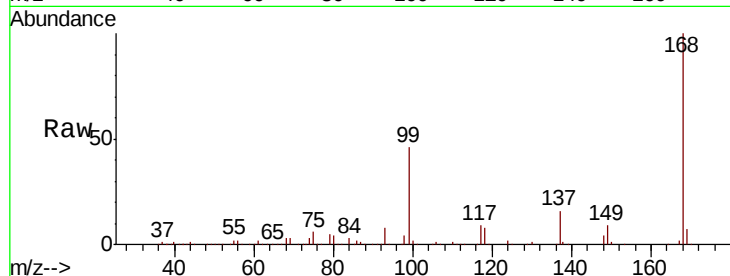
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 284579

Ion Ratio Lower Upper

168 100

99 46.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

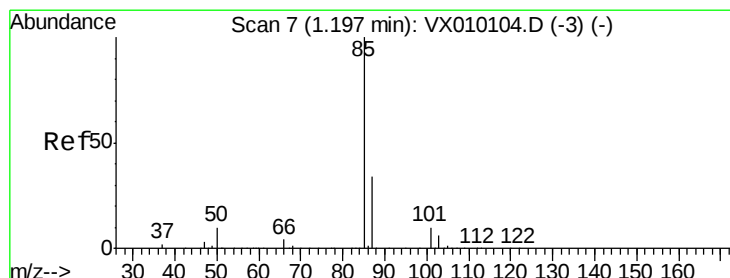
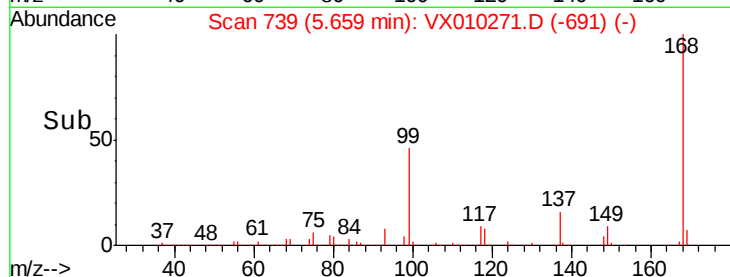
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.857 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010271.D

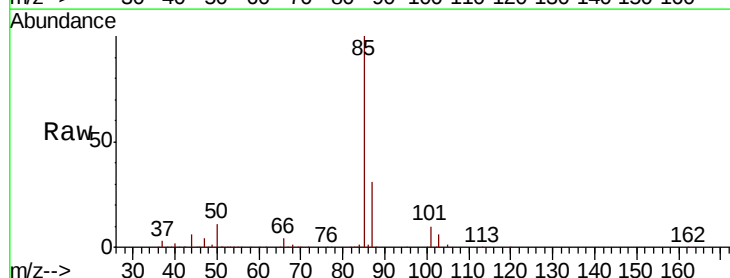
Acq: 13 Jun 2019 14:39

Tgt Ion: 85 Resp: 51996

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

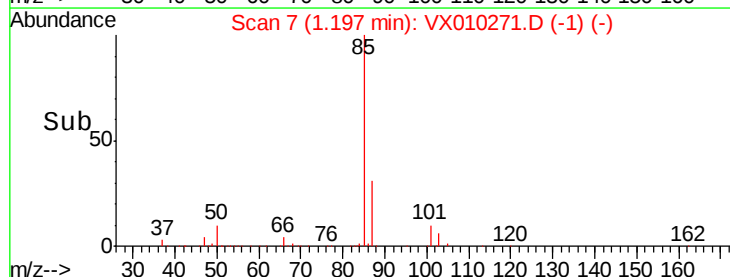
30000

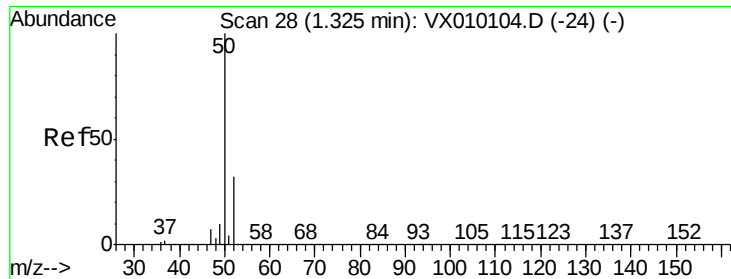
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.762 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

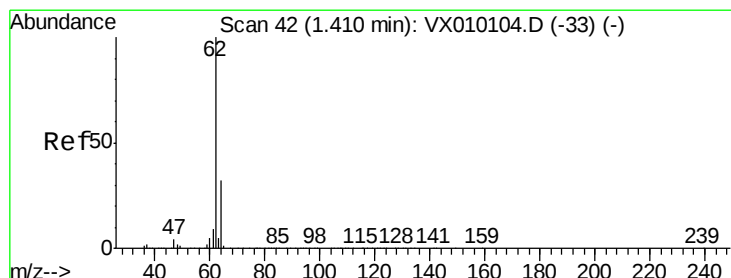
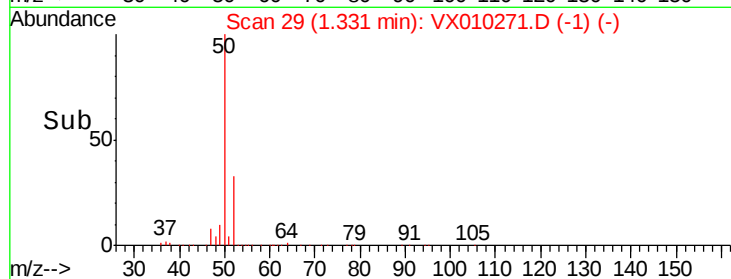
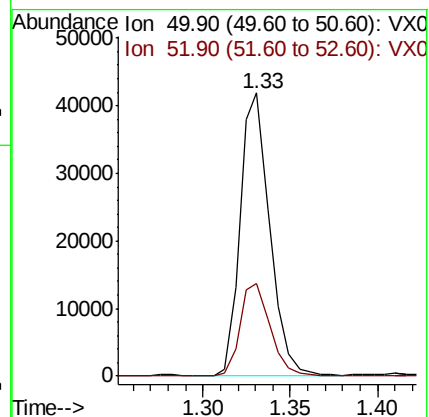
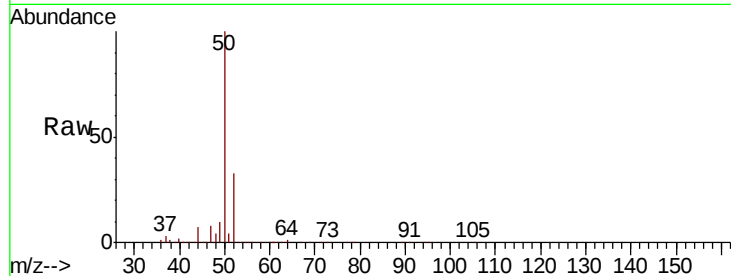
ClientSampleId :

Tot Ion: 50 Resp: 48790

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 21.388 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010271.D

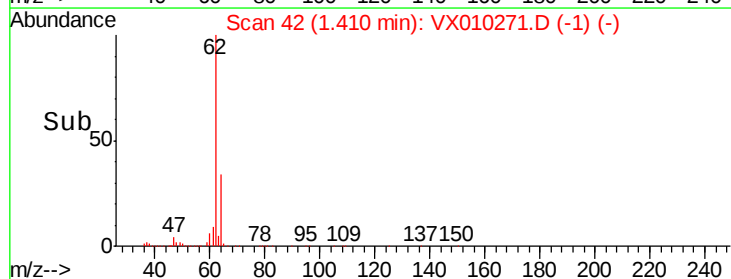
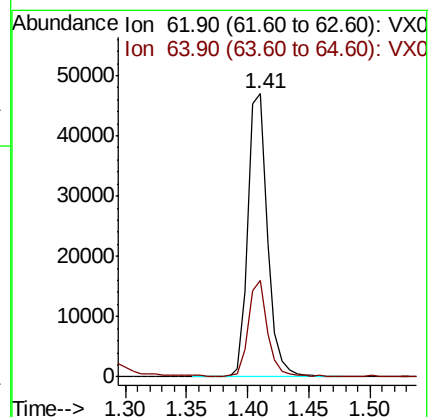
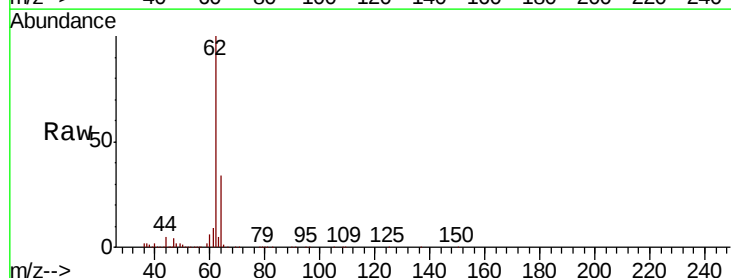
Acq: 13 Jun 2019 14:39

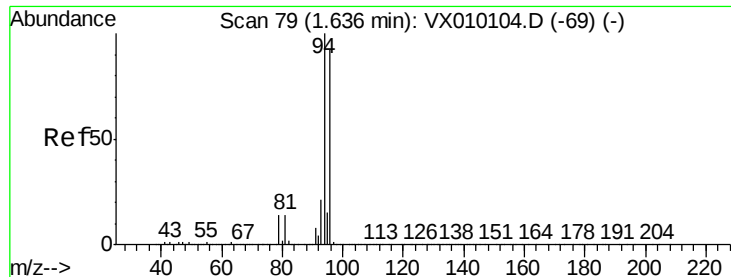
Tgt Ion: 62 Resp: 52274

Ion Ratio Lower Upper

62 100

64 33.9 25.7 38.5





#5

Bromomethane

Concen: 28.096 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

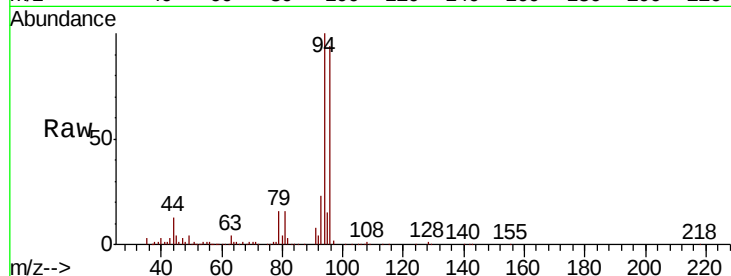
ClientSampleId :

Tot Ion: 94 Resp: 25913

Ion Ratio Lower Upper

94 100

96 93.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

10000

5000

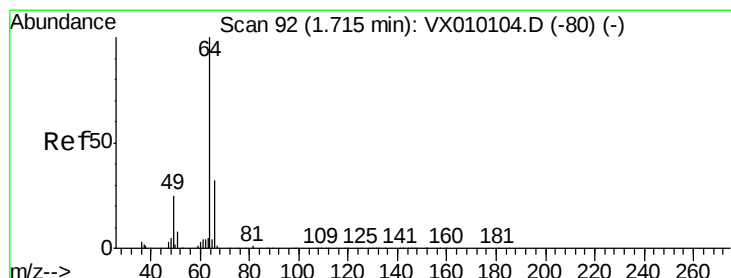
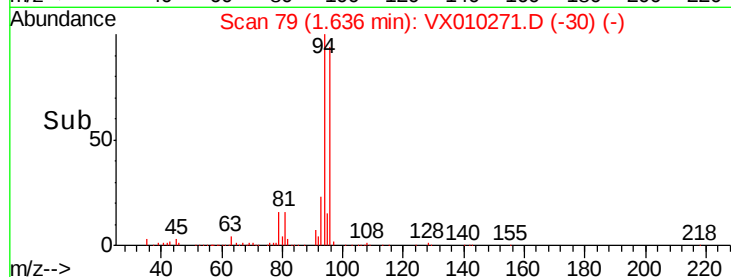
0

Time-->

1.60

1.65

1.70



#6

Chloroethane

Concen: 25.505 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010271.D

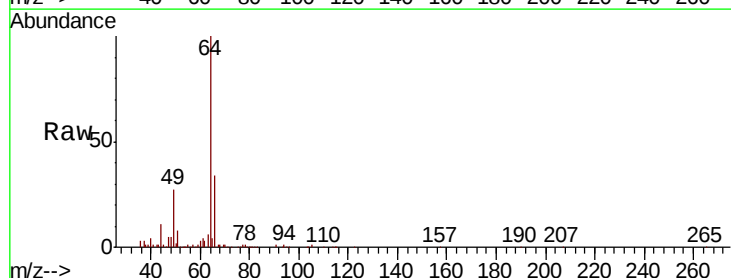
Acq: 13 Jun 2019 14:39

Tgt Ion: 64 Resp: 31429

Ion Ratio Lower Upper

64 100

66 34.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

15000

10000

5000

0

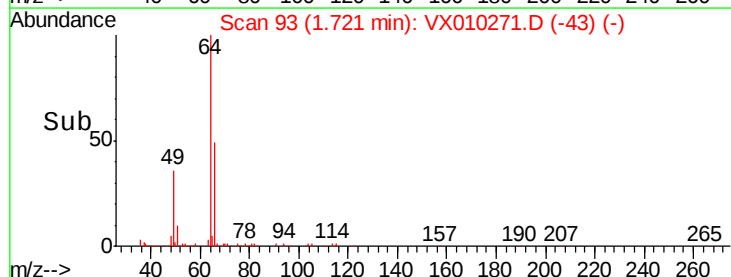
Time-->

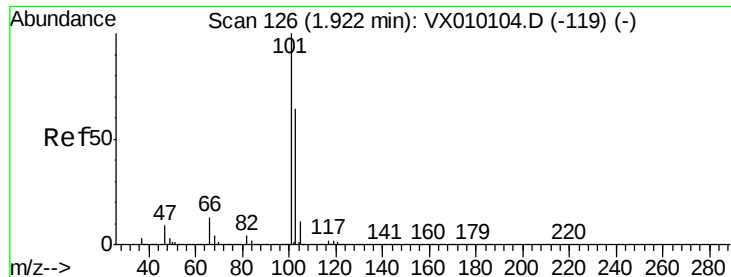
1.65

1.70

1.75

1.80



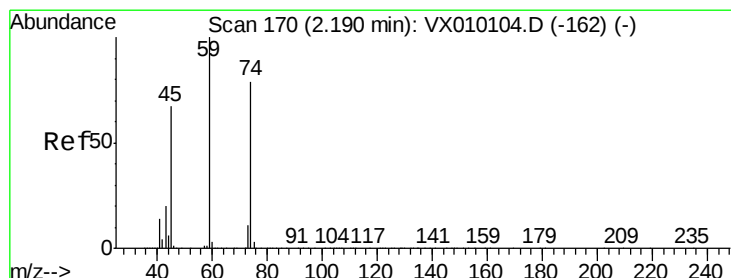
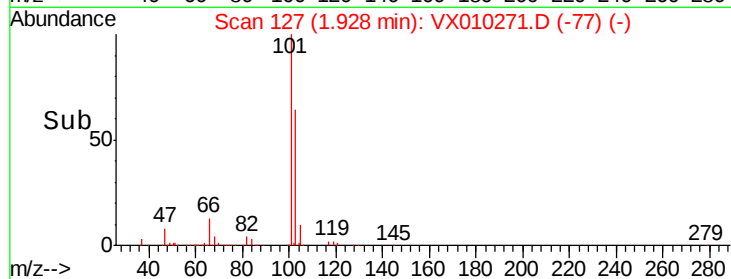
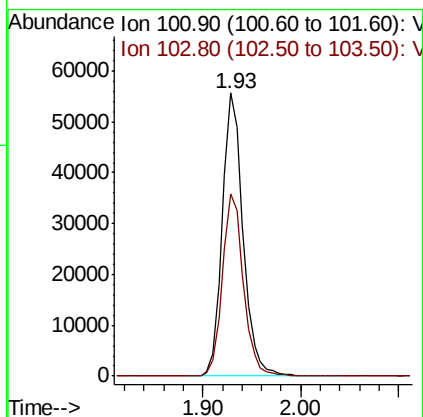
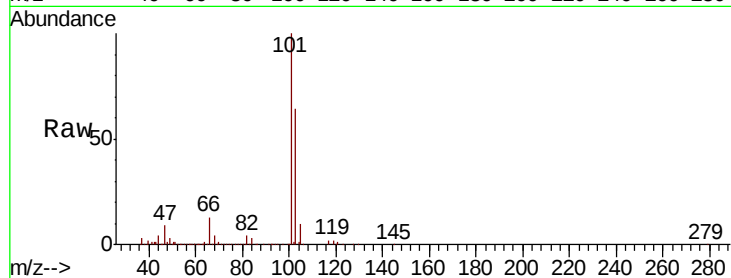


#7

Trichlorofluoromethane
Concen: 22.528 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :

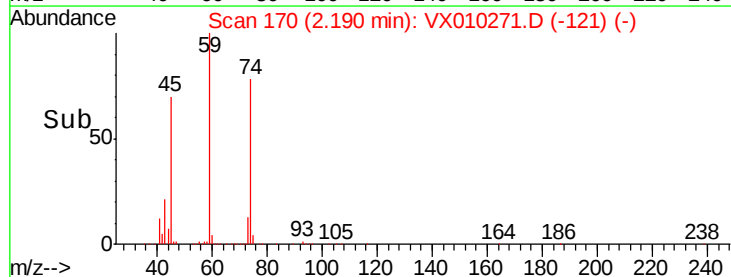
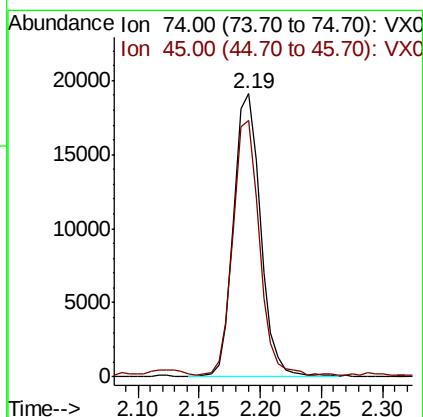
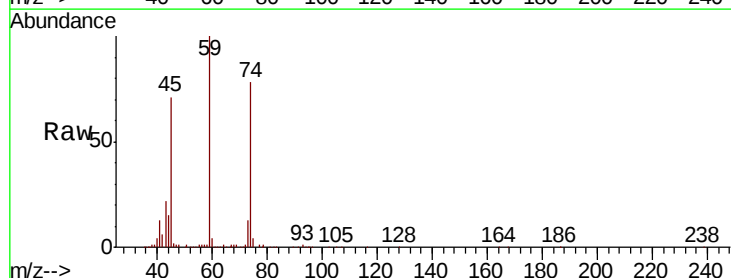
Tot Ion:101 Resp: 81788
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.4

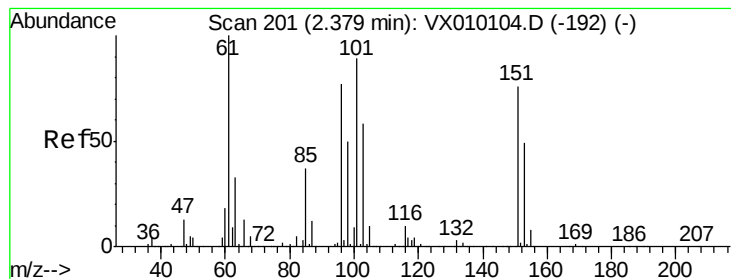


#8

Diethyl Ether
Concen: 23.350 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 74 Resp: 29219
Ion Ratio Lower Upper
74 100
45 86.6 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.594 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

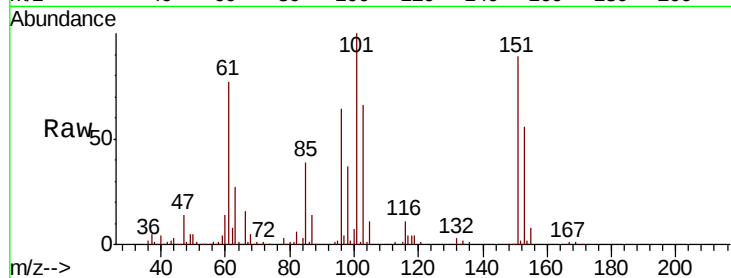
Tot Ion:101 Resp: 46533

Ion Ratio Lower Upper

101 100

85 42.2 35.2 52.8

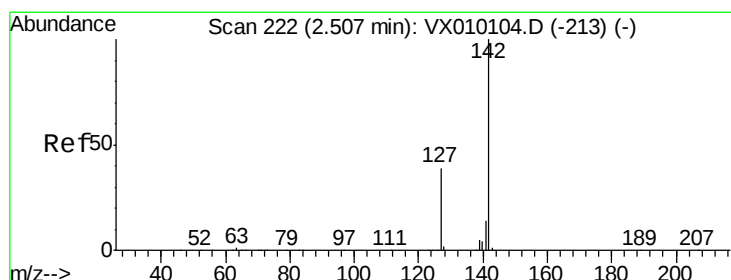
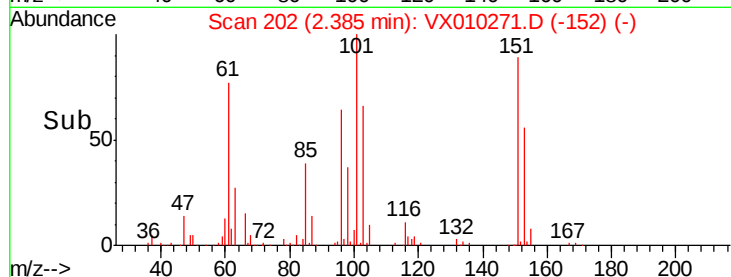
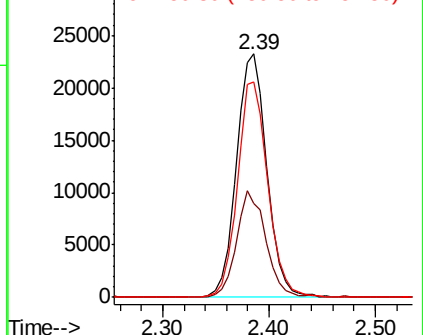
151 88.6 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.843 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

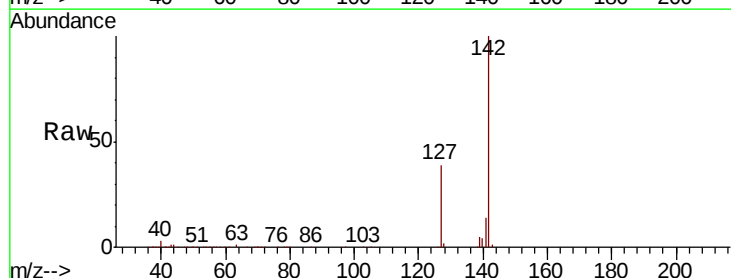
Tgt Ion:142 Resp: 65307

Ion Ratio Lower Upper

142 100

127 40.1 33.0 49.4

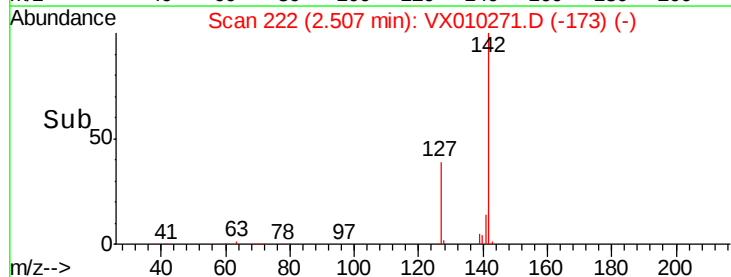
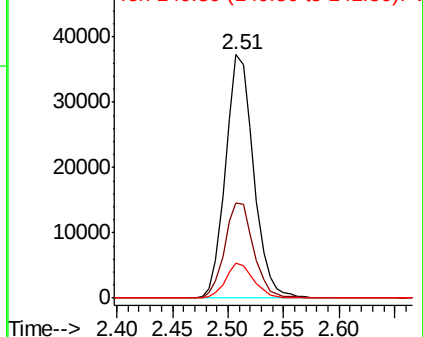
141 14.2 11.4 17.0

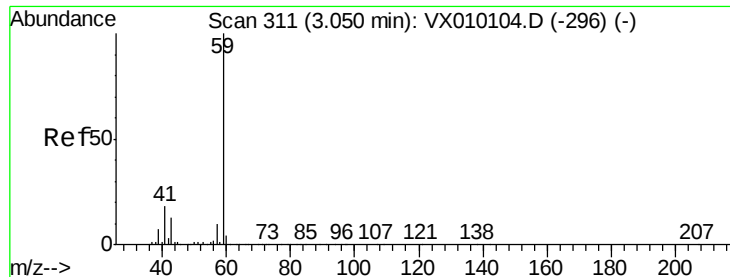


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



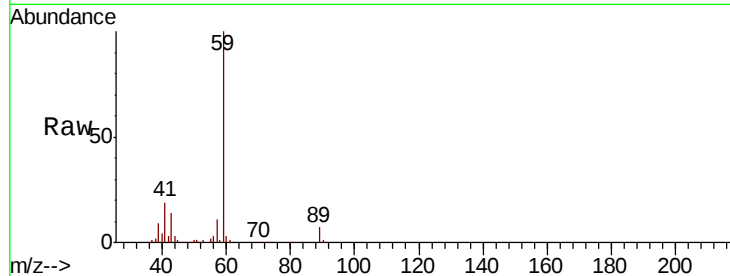


#11

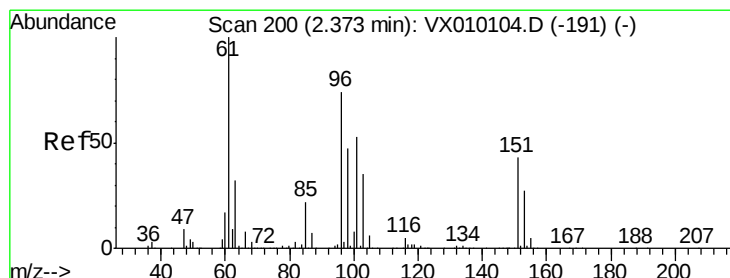
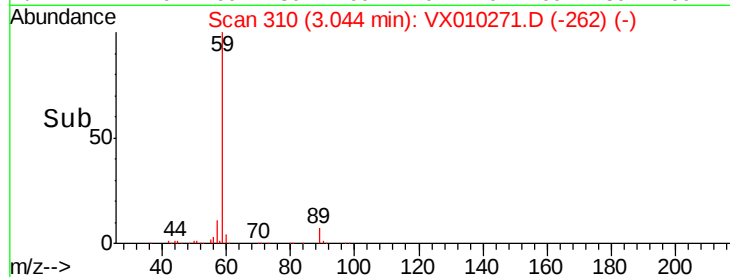
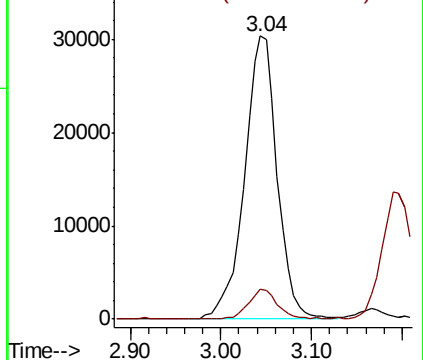
Tert butyl alcohol
Concen: 110.252 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 59 Resp: 75025
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.2



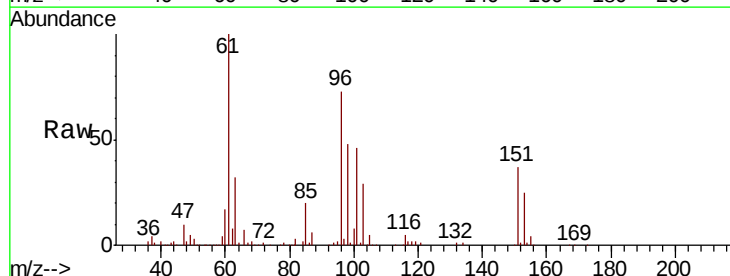
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



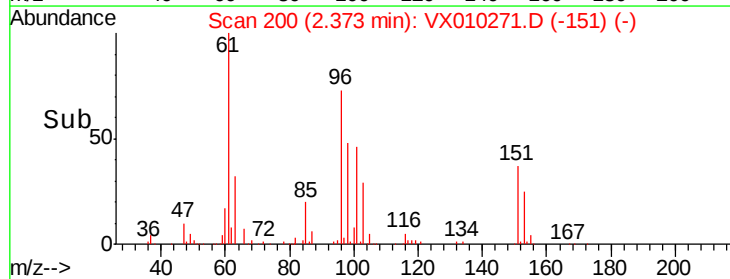
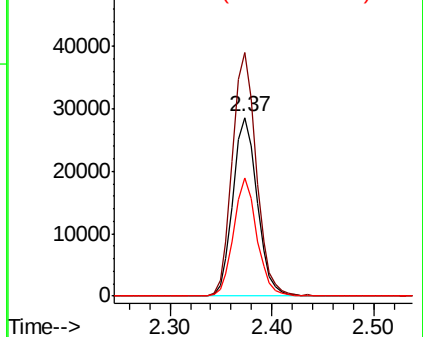
#12

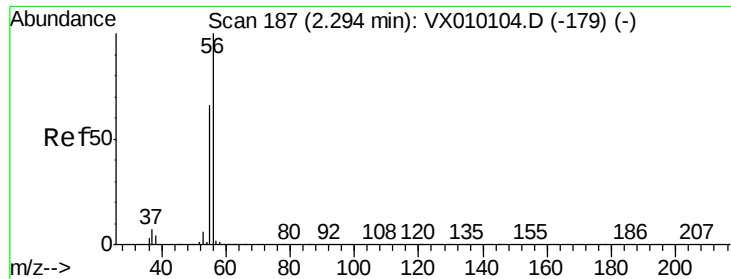
1,1-Dichloroethene
Concen: 18.429 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 96 Resp: 47108
Ion Ratio Lower Upper
96 100
61 136.2 140.7 211.1#
98 66.0 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 85.985 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

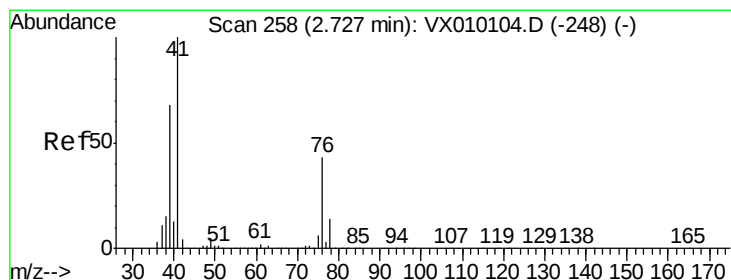
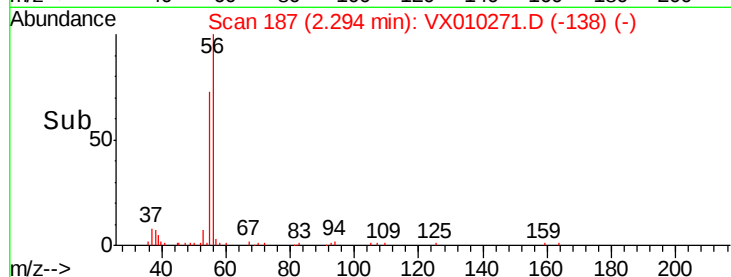
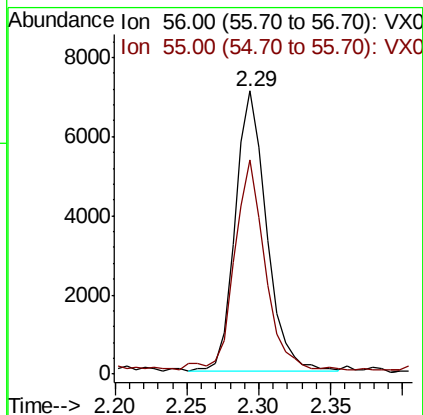
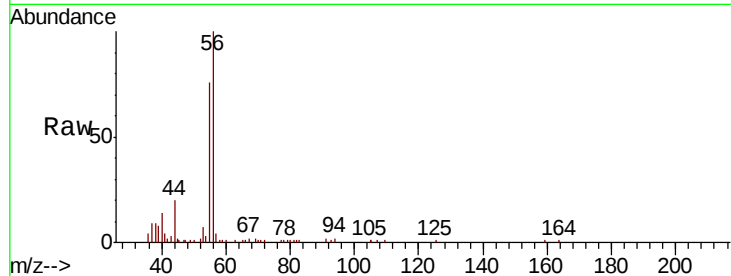
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 10669

Ion Ratio Lower Upper

56 100

55 72.8 57.0 85.4



#14

Allyl chloride

Concen: 17.636 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

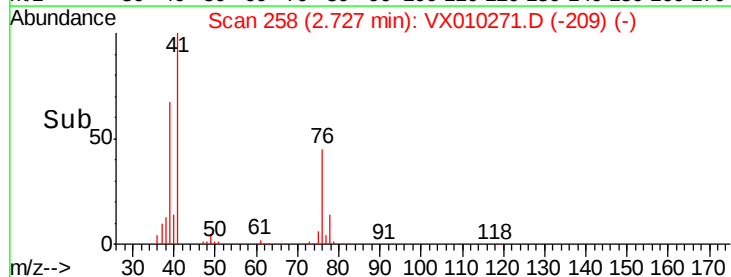
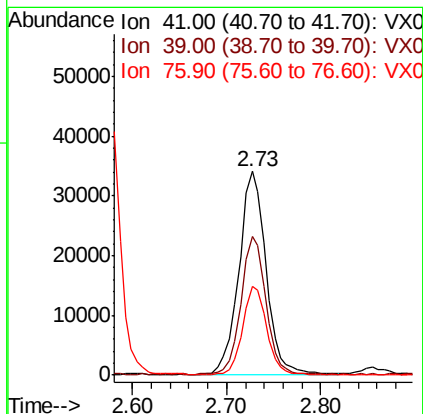
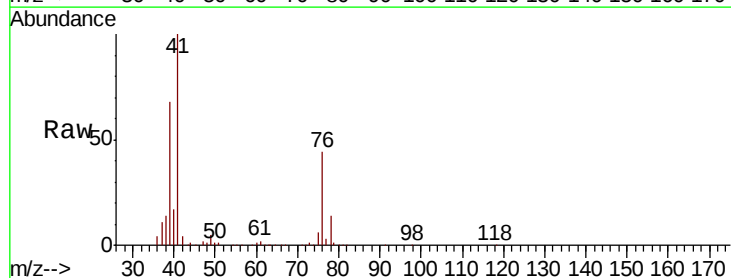
Tgt Ion: 41 Resp: 68047

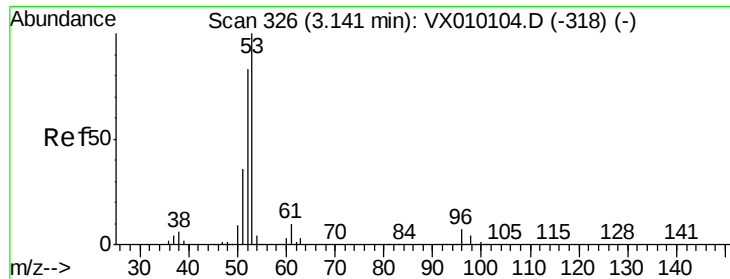
Ion Ratio Lower Upper

41 100

39 63.9 46.7 70.1

76 38.5 21.0 31.4#





#15

Acrylonitrile

Concen: 98.481 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

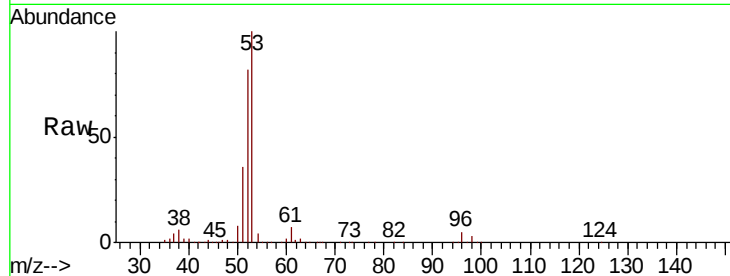
Tot Ion: 53 Resp: 136977

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

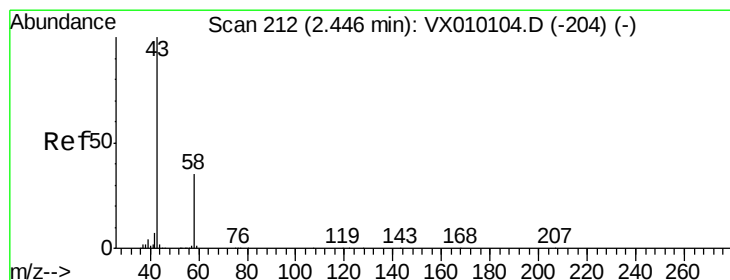
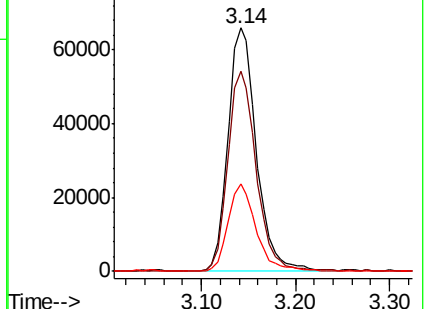
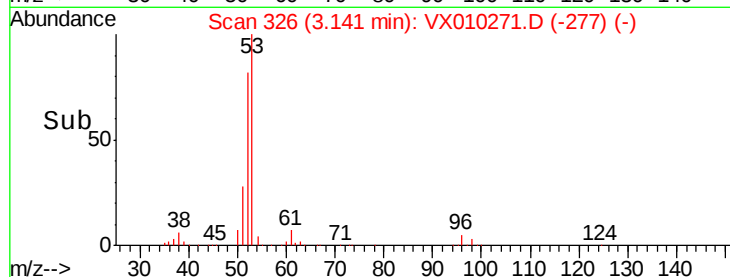
51 35.5 28.8 43.2



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: 88.469 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010271.D

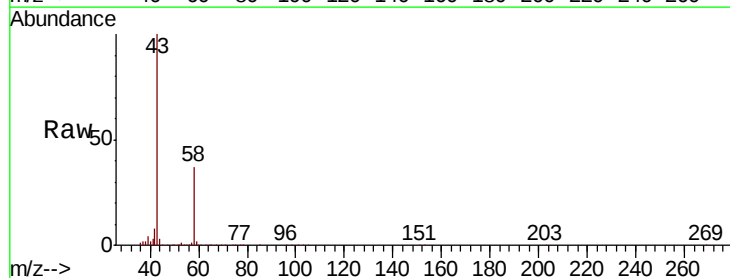
Acq: 13 Jun 2019 14:39

Tgt Ion: 43 Resp: 115587

Ion Ratio Lower Upper

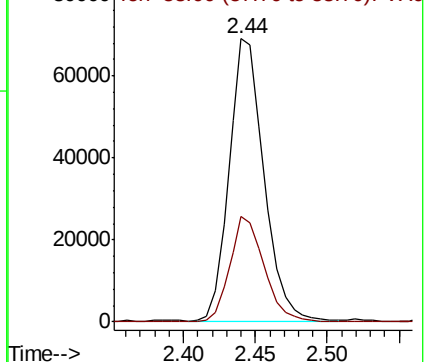
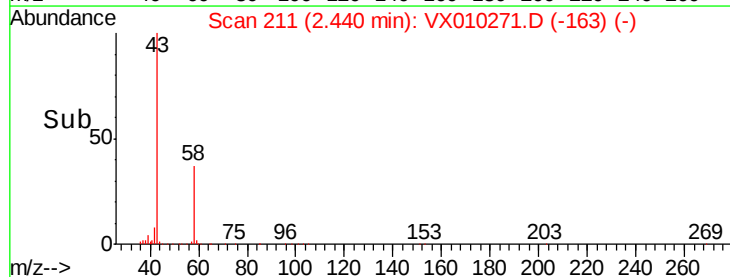
43 100

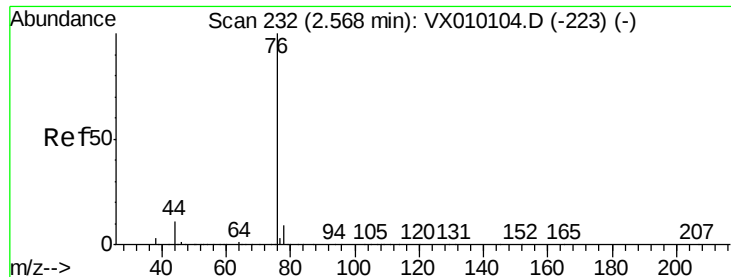
58 37.2 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

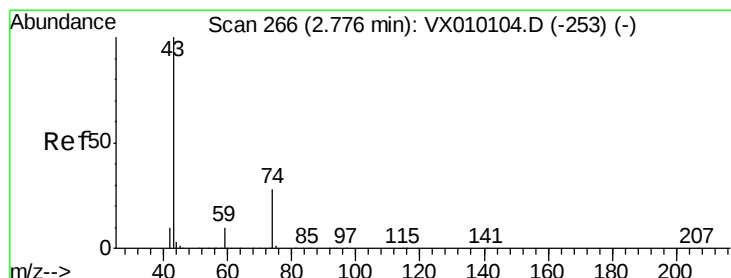
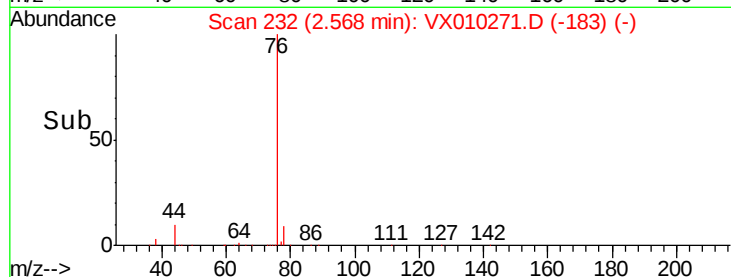
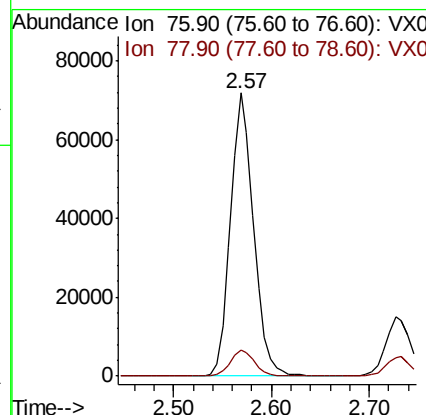
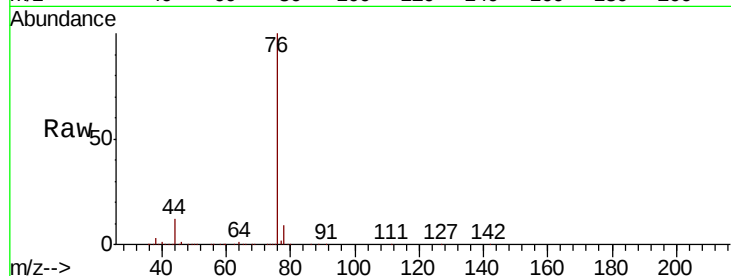




#17
Carbon Disulfide
Concen: 15.950 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

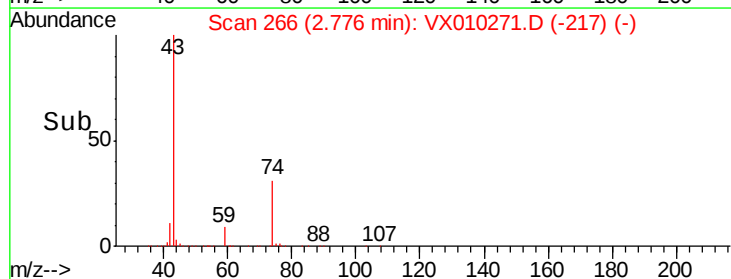
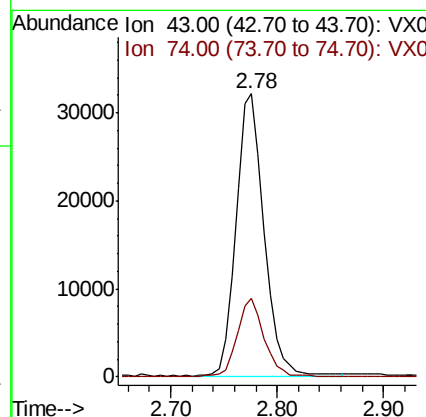
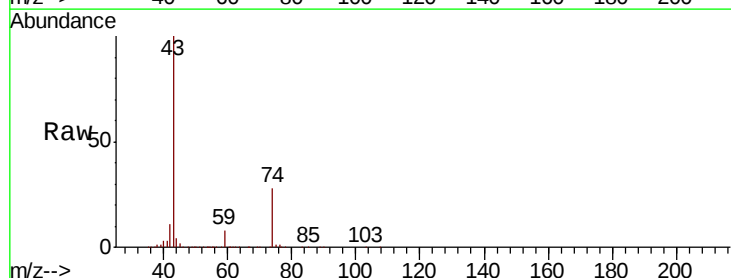
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 76 Resp: 117804
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 20.546 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 43 Resp: 59036
Ion Ratio Lower Upper
43 100
74 26.9 15.8 23.6#

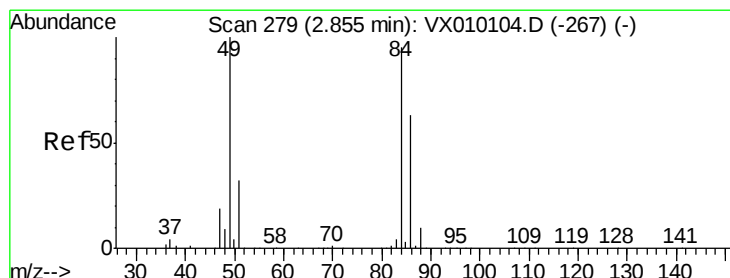
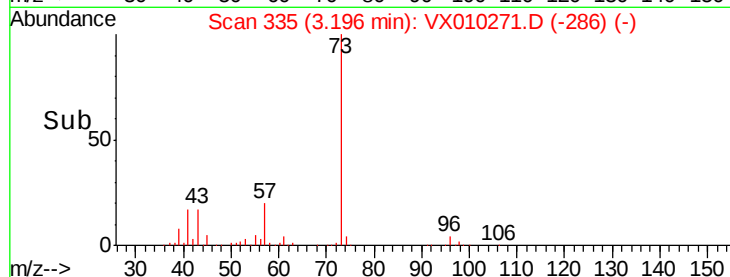
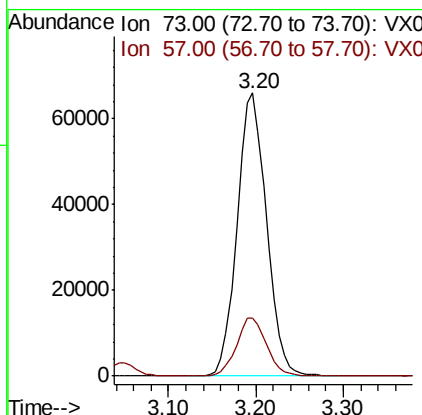
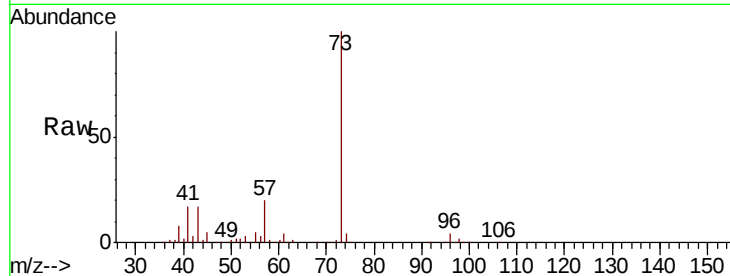




#19
Methyl tert-butyl Ether
Concen: 18.821 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

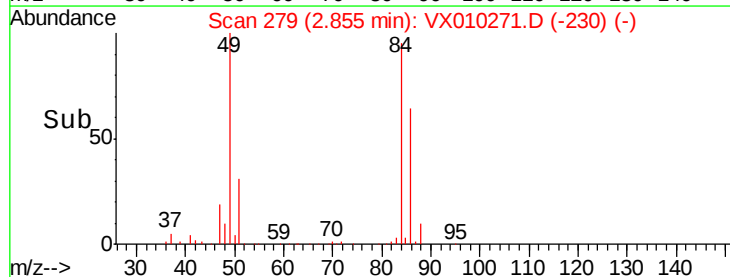
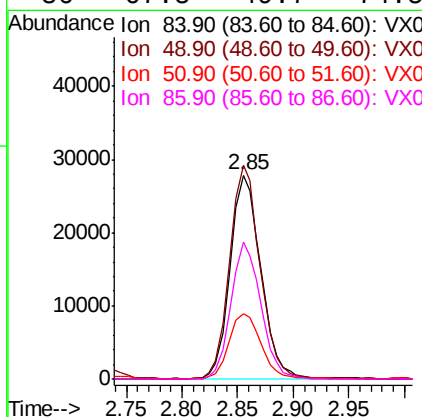
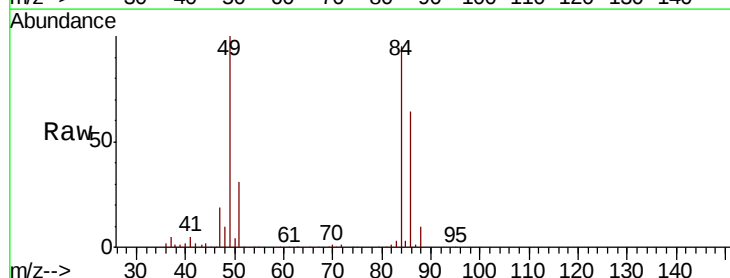
Instrument :
MSVOA_X
ClientSampleId :

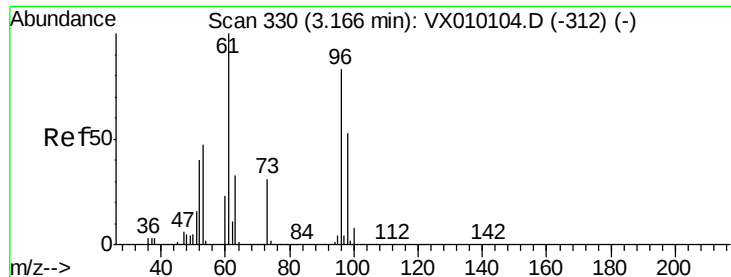
Tot Ion: 73 Resp: 154559
Ion Ratio Lower Upper
73 100
57 20.4 19.4 29.2



#20
Methylene Chloride
Concen: 18.566 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 84 Resp: 53272
Ion Ratio Lower Upper
84 100
49 104.4 115.8 173.6#
51 32.3 34.4 51.6#
86 67.5 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 17.836 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

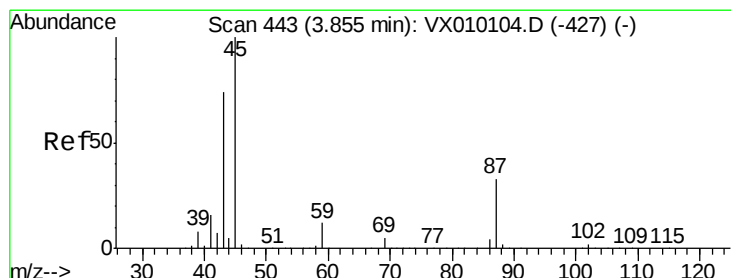
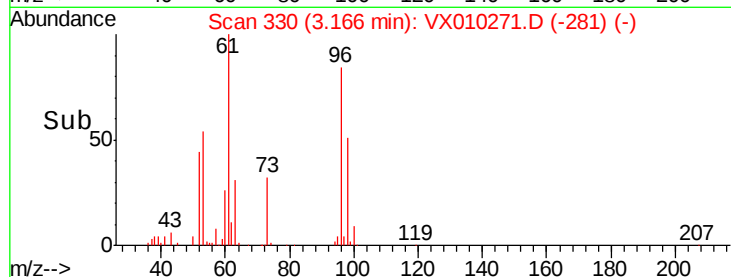
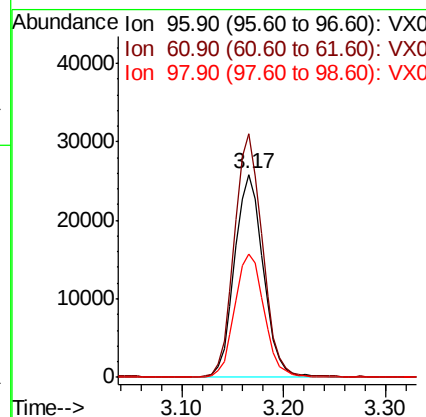
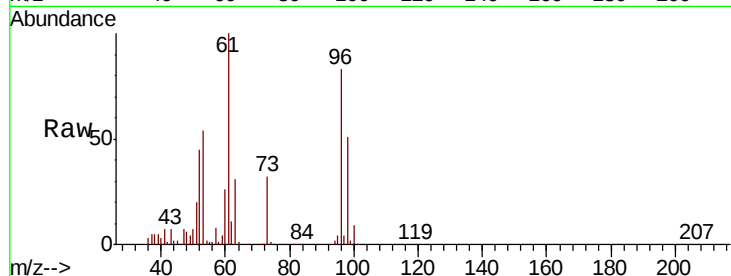
Tot Ion: 96 Resp: 50453

Ion Ratio Lower Upper

96 100

61 119.9 125.7 188.5#

98 60.7 49.0 73.6



#22

Diisopropyl ether

Concen: 19.429 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion: 45 Resp: 143327

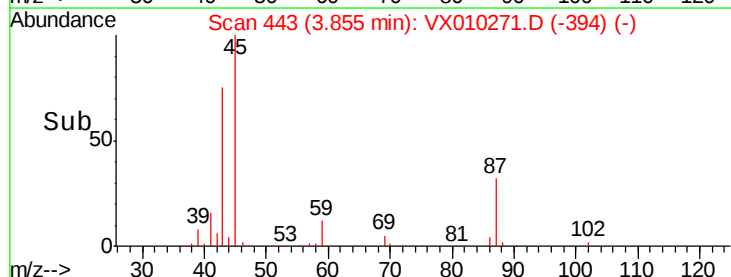
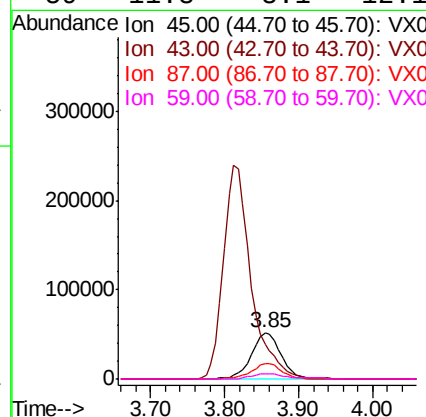
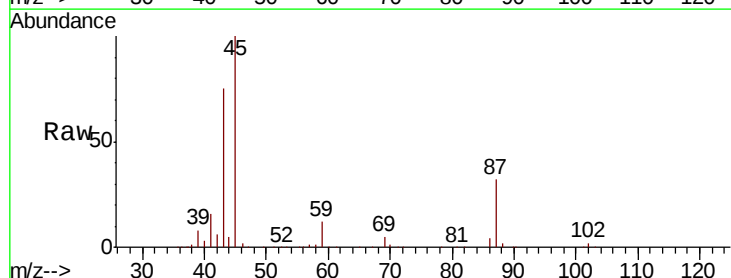
Ion Ratio Lower Upper

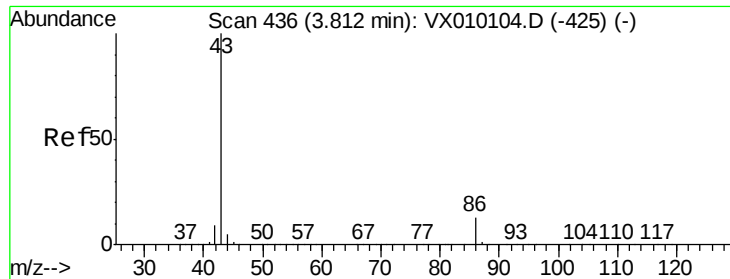
45 100

43 74.8 65.0 97.4

87 31.8 17.3 25.9#

59 11.8 8.1 12.1

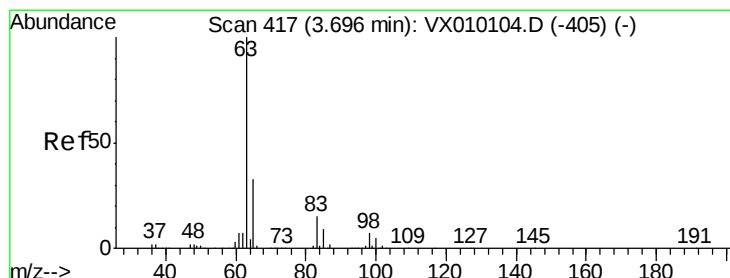
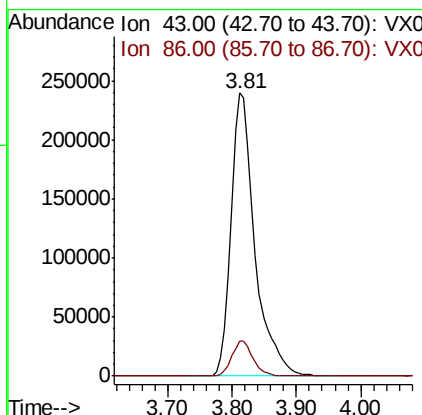
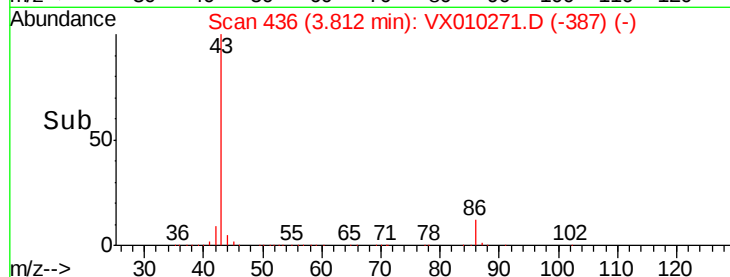
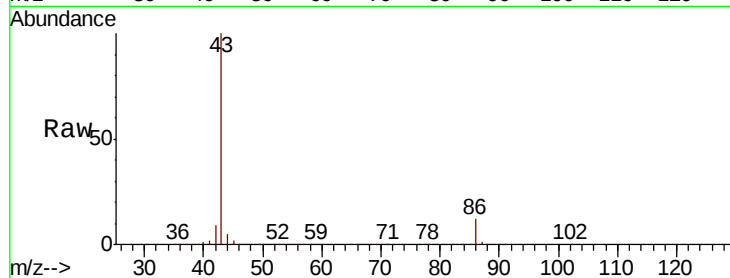




#23
 Vinyl Acetate
 Concen: 94.466 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

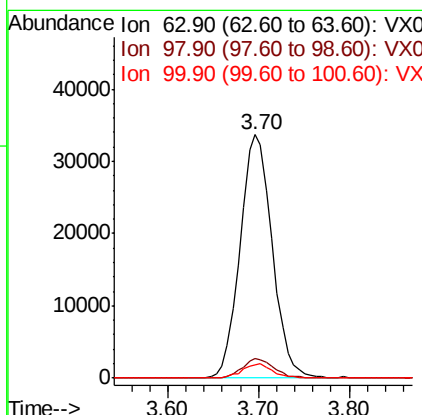
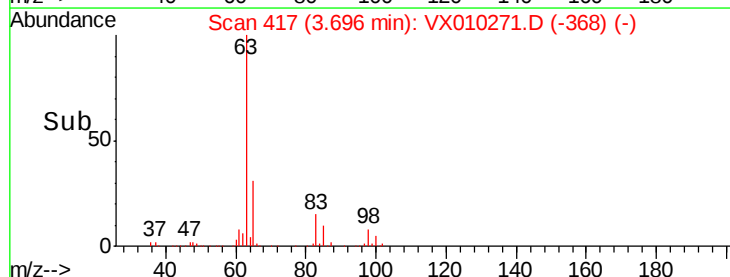
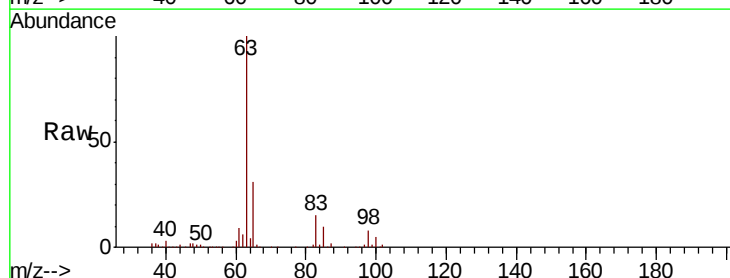
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 621694
 Ion Ratio Lower Upper
 43 100
 86 12.3 6.5 9.7#



#24
 1,1-Dichloroethane
 Concen: 18.475 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Tgt Ion: 63 Resp: 82748
 Ion Ratio Lower Upper
 63 100
 98 8.0 2.9 8.8
 100 5.4 1.8 5.4#





#25

2-Butanone

Concen: 97.943 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

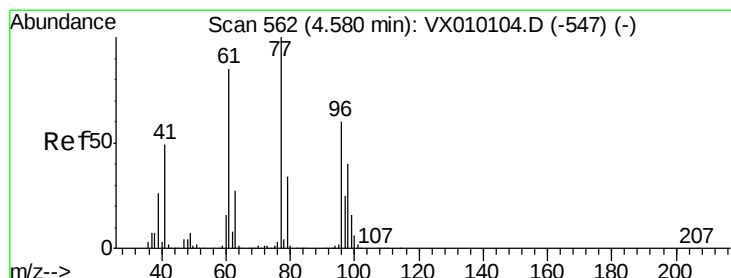
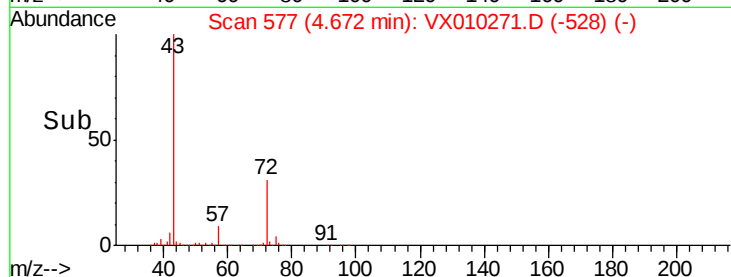
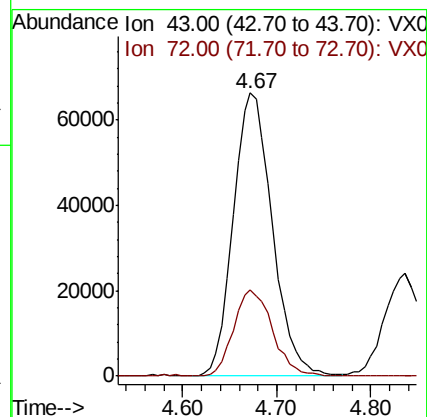
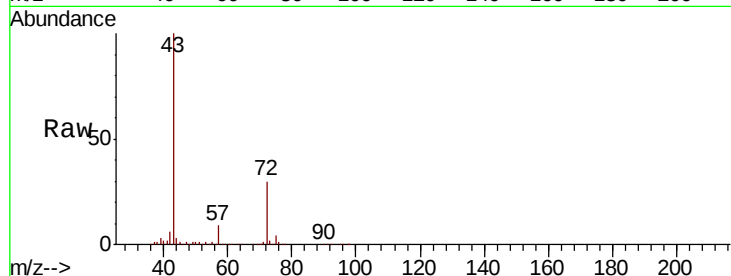
ClientSampleId :

Tot Ion: 43 Resp: 190551

Ion Ratio Lower Upper

43 100

72 30.4 17.5 26.3#



#26

2,2-Dichloropropane

Concen: 15.566 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010271.D

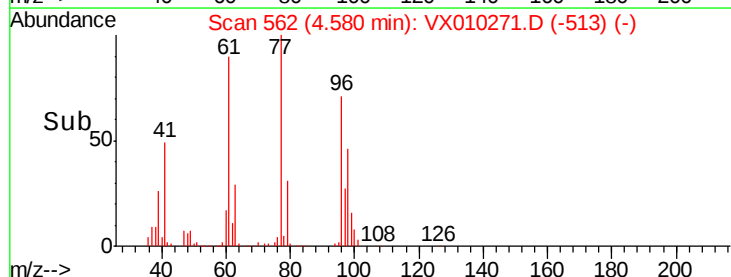
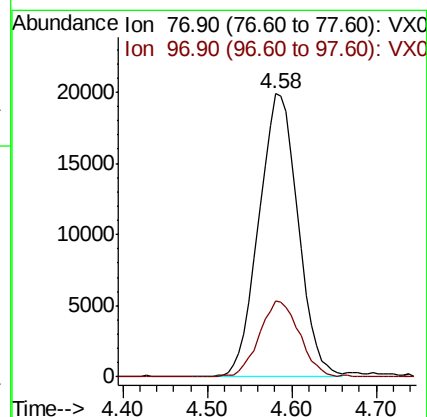
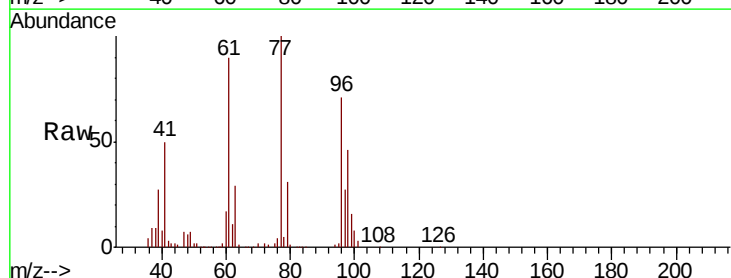
Acq: 13 Jun 2019 14:39

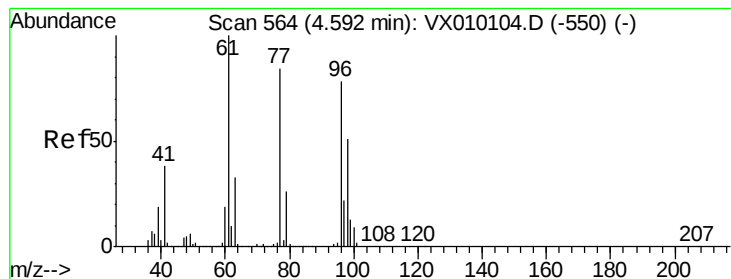
Tgt Ion: 77 Resp: 63606

Ion Ratio Lower Upper

77 100

97 27.4 11.4 34.2



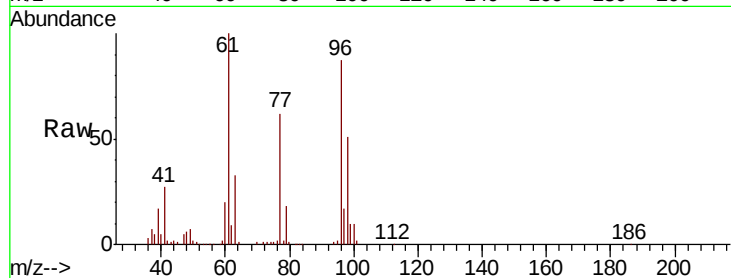


#27

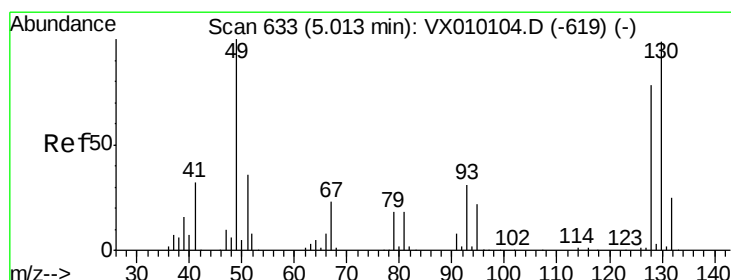
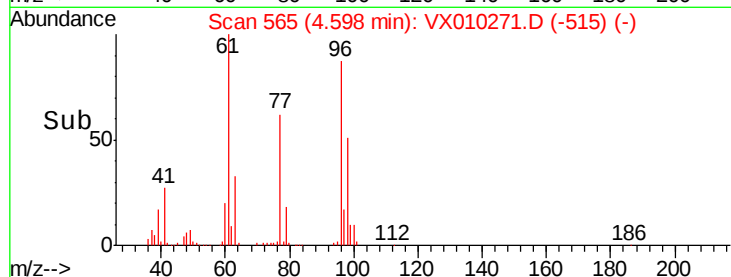
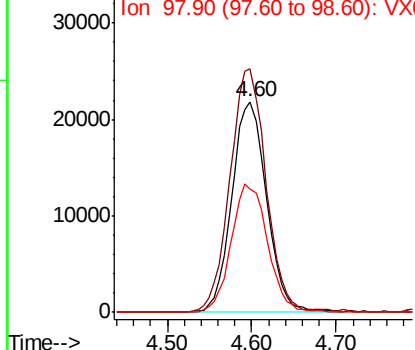
cis-1,2-Dichloroethene
Concen: 19.391 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 61023
Ion Ratio Lower Upper
96 100
61 120.8 0.0 334.0
98 63.7 0.0 131.6



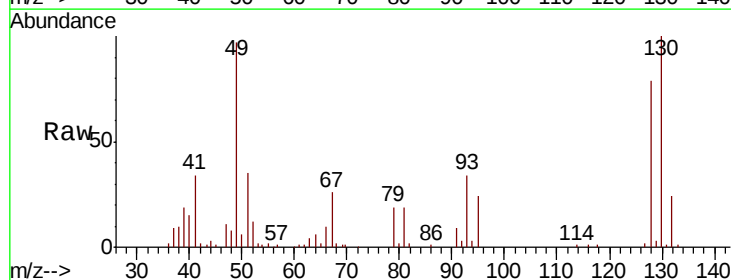
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



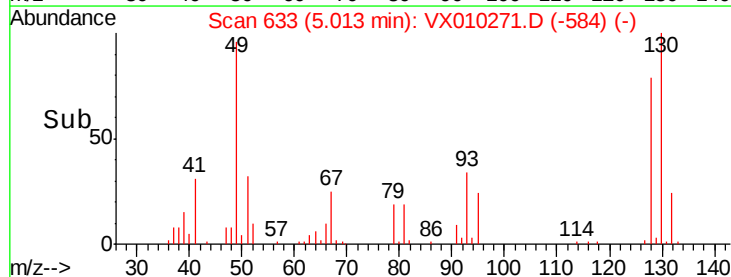
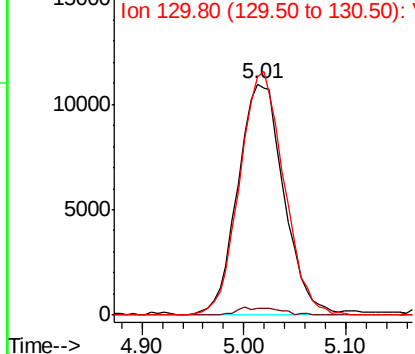
#28

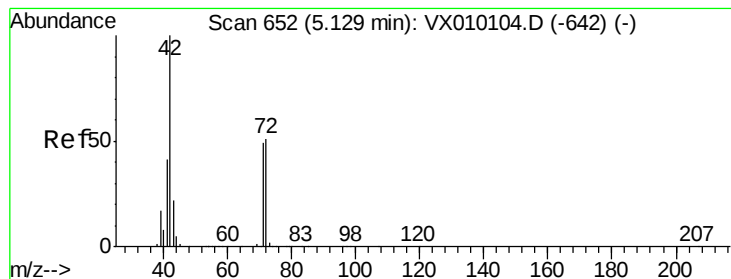
Bromochloromethane
Concen: 17.133 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 49 Resp: 34392
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.4
130 101.5 49.4 74.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.457 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

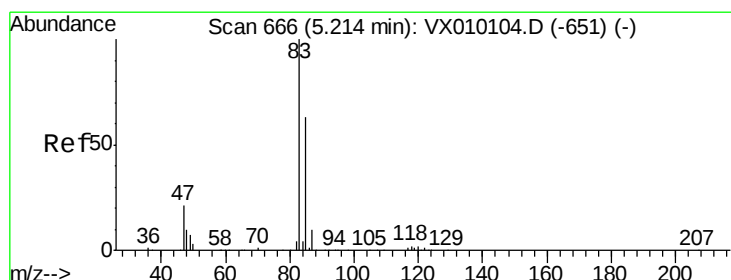
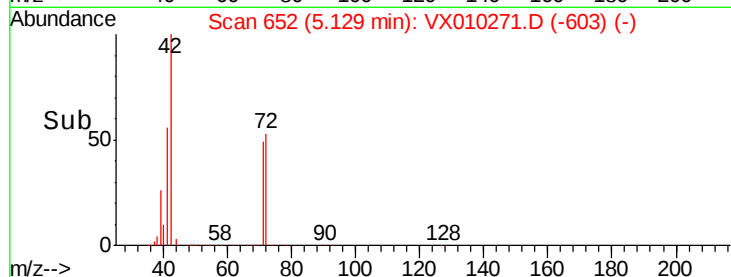
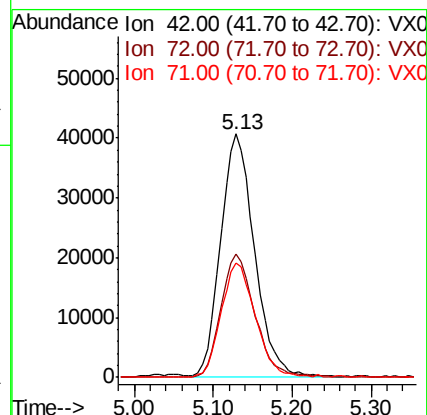
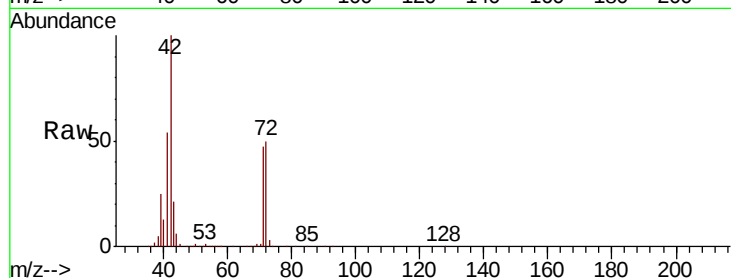
Tot Ion: 42 Resp: 120381

Ion Ratio Lower Upper

42 100

72 51.6 29.2 43.8#

71 48.1 27.6 41.4#



#30

Chloroform

Concen: 18.938 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX010271.D

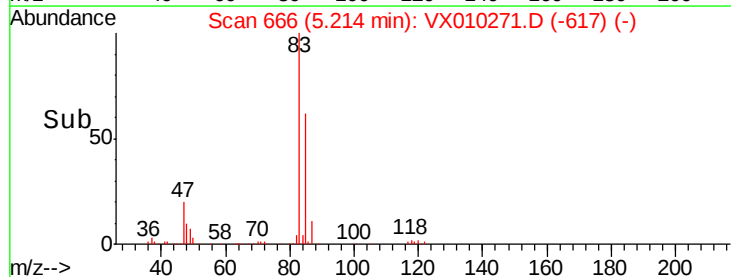
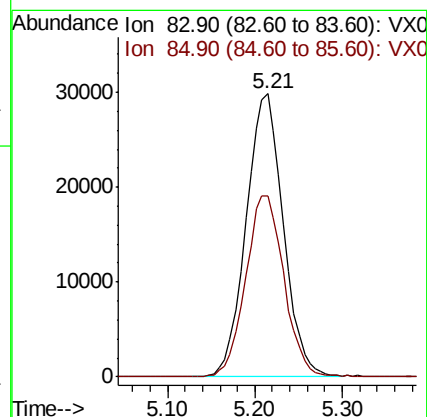
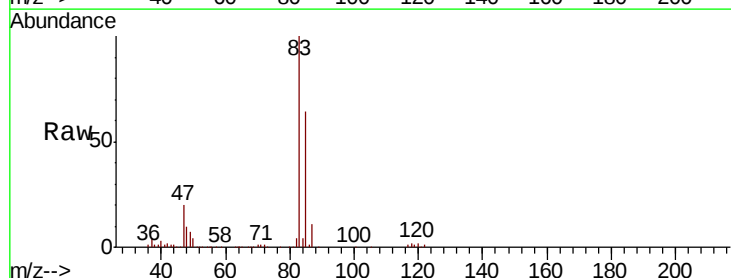
Acq: 13 Jun 2019 14:39

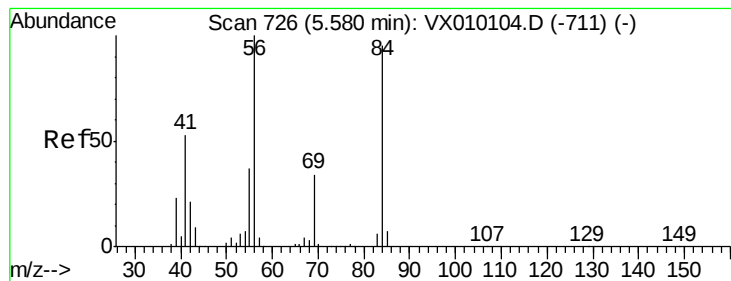
Tgt Ion: 83 Resp: 88091

Ion Ratio Lower Upper

83 100

85 63.6 52.6 78.8





#31

Cyclohexane

Concen: 18.481 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

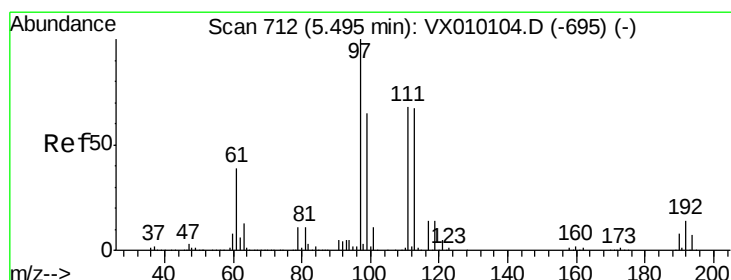
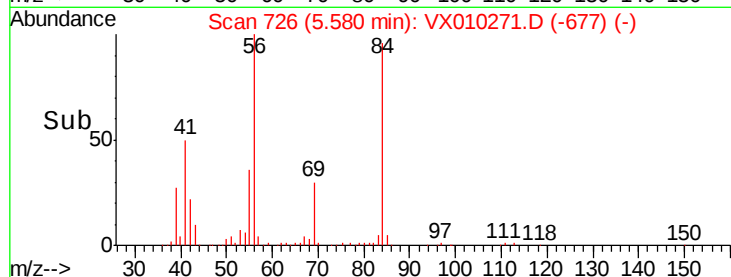
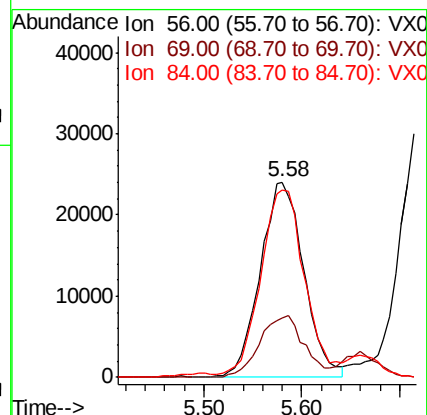
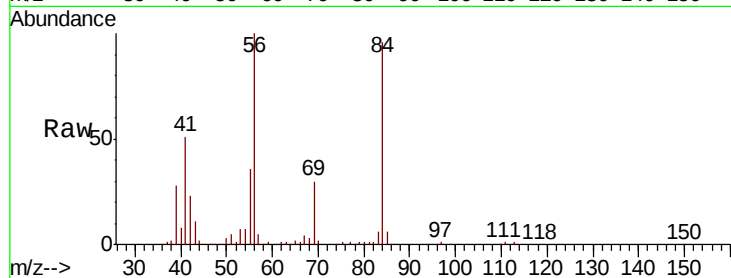
Tot Ion: 56 Resp: 74706

Ion Ratio Lower Upper

56 100

69 30.2 21.6 32.4

84 94.4 56.8 85.2#



#32

1,1,1-Trichloroethane

Concen: 18.130 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

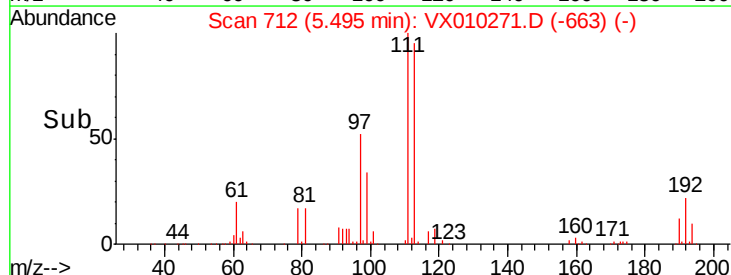
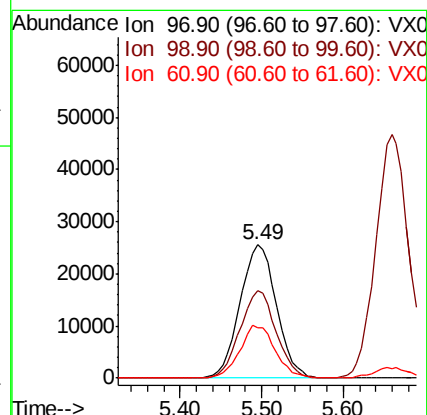
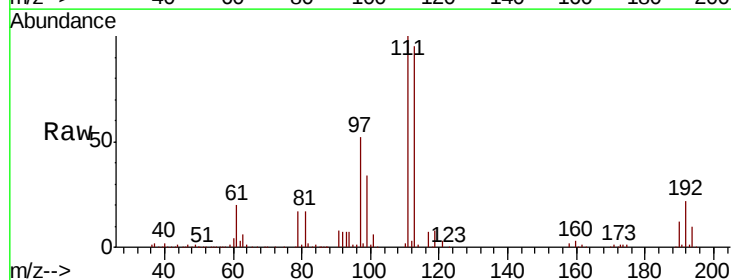
Tgt Ion: 97 Resp: 79283

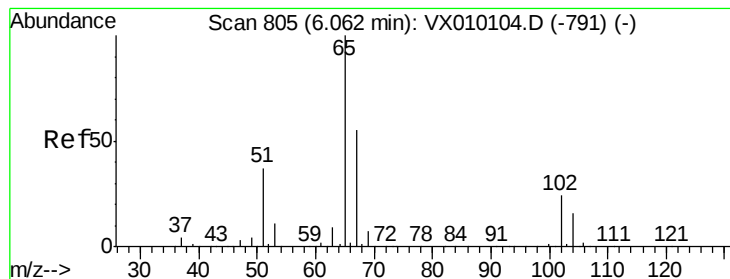
Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.4

61 38.2 38.7 58.1#





#33

1,2-Dichloroethane-d4

Concen: 49.325 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

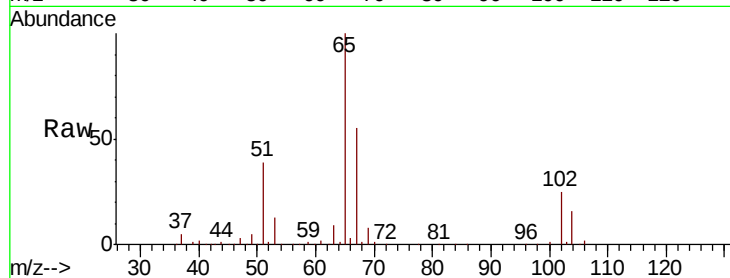
ClientSampleId :

Tot Ion: 65 Resp: 137017

Ion Ratio Lower Upper

65 100

67 54.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

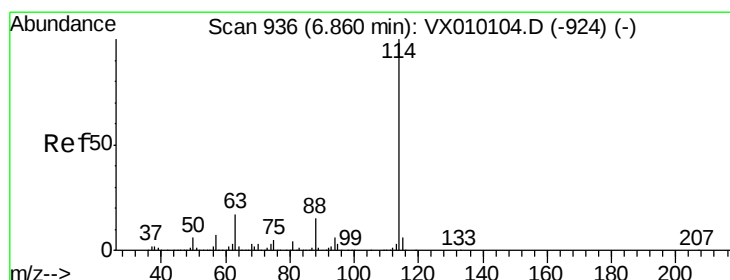
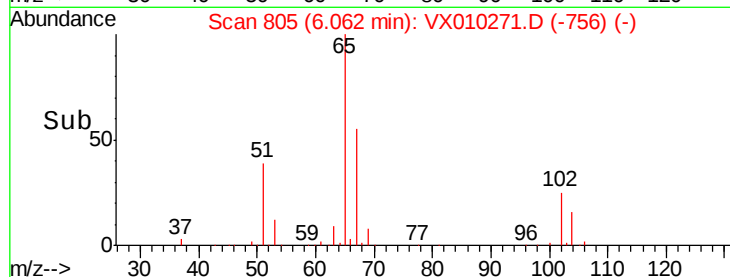
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

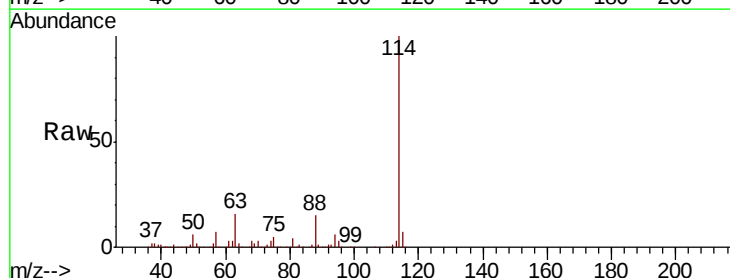
Tgt Ion: 114 Resp: 423666

Ion Ratio Lower Upper

114 100

63 16.4 0.0 47.4

88 14.8 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

200000

150000

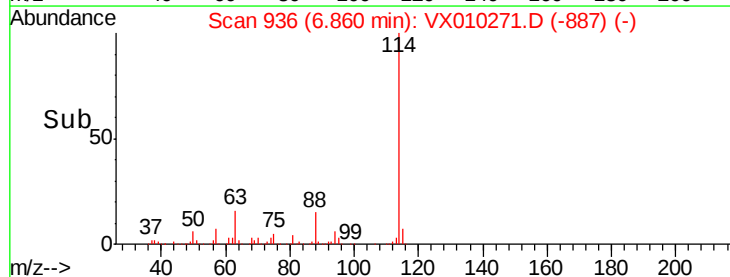
100000

50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 51.860 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

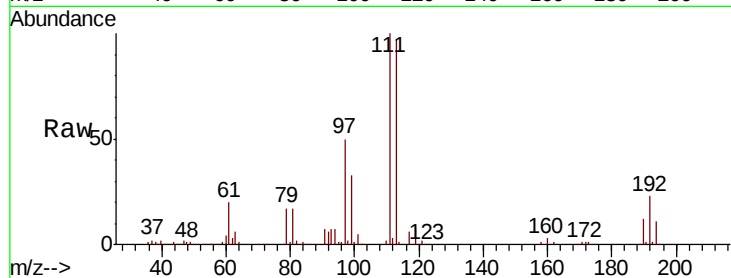
Tot Ion:113 Resp: 135523

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.2

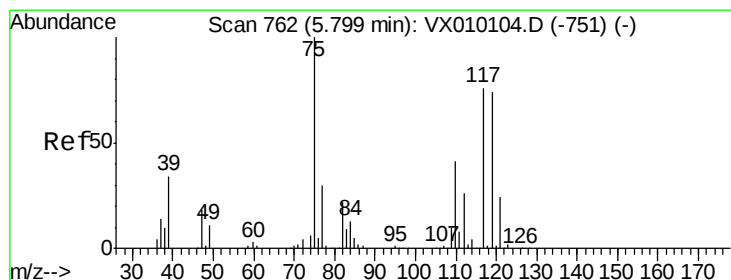
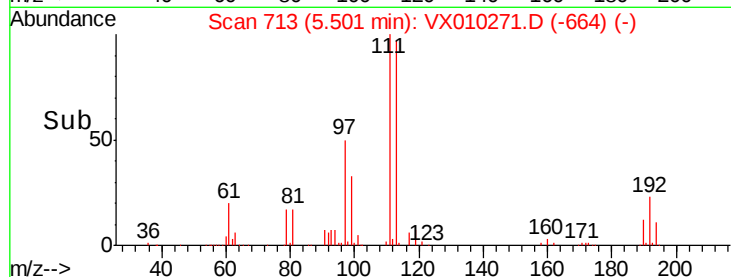
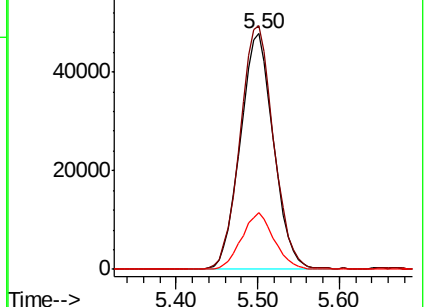
192 23.6 17.1 25.7



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: 17.738 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

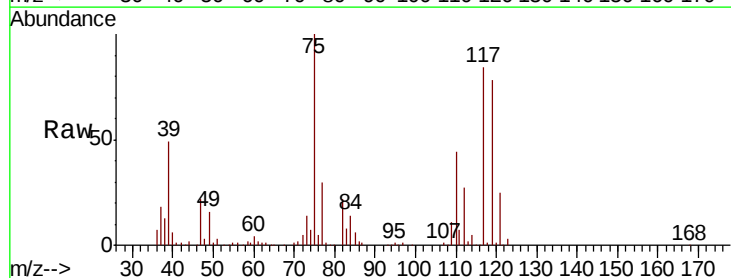
Tgt Ion: 75 Resp: 61312

Ion Ratio Lower Upper

75 100

110 43.6 16.7 50.1

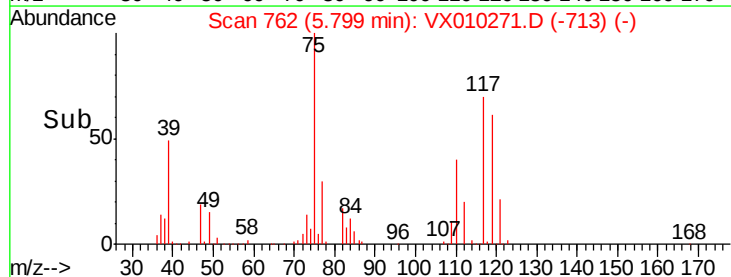
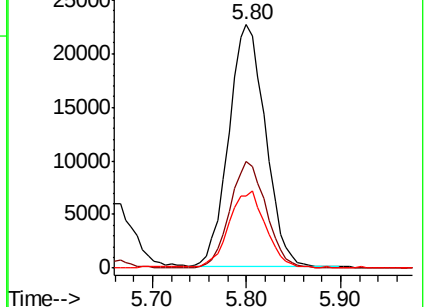
77 32.1 25.0 37.4

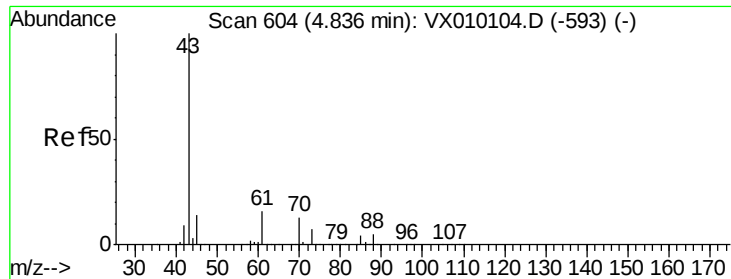


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

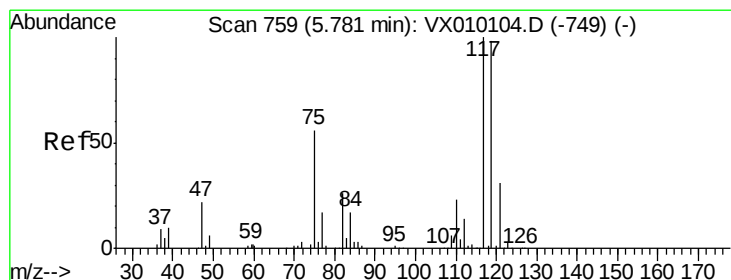
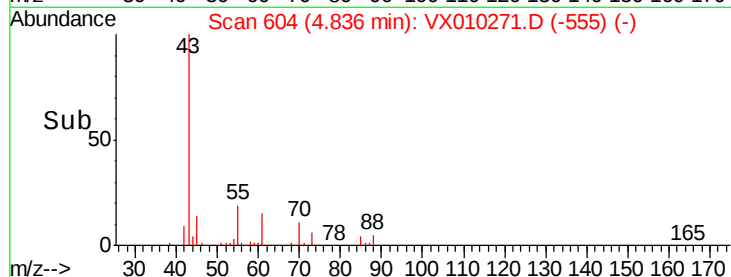
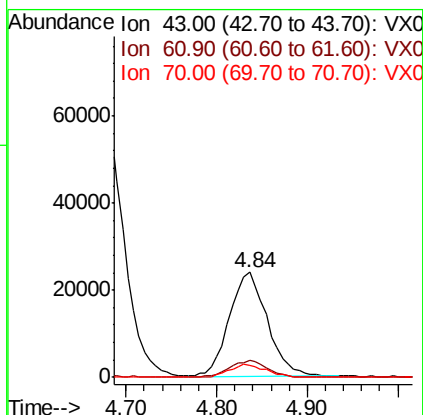
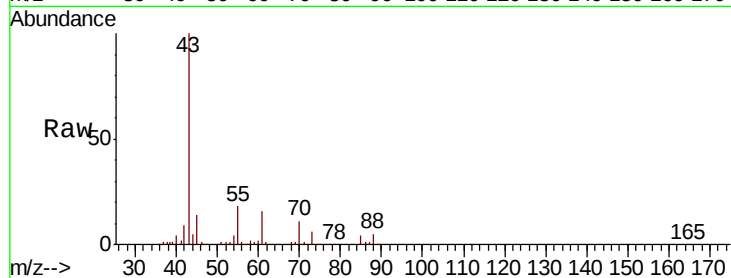




#37
Ethyl Acetate
Concen: 19.215 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

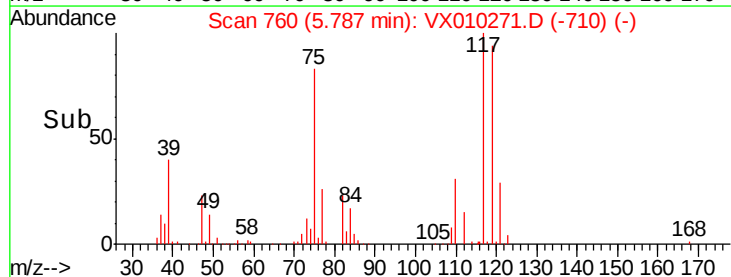
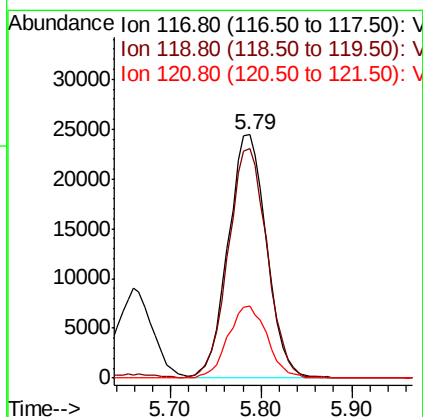
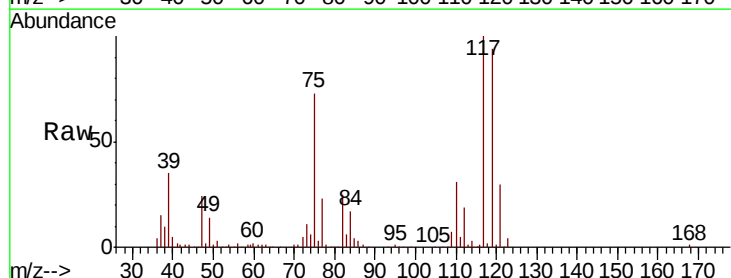
Instrument :
MSVOA_X
ClientSampleId :

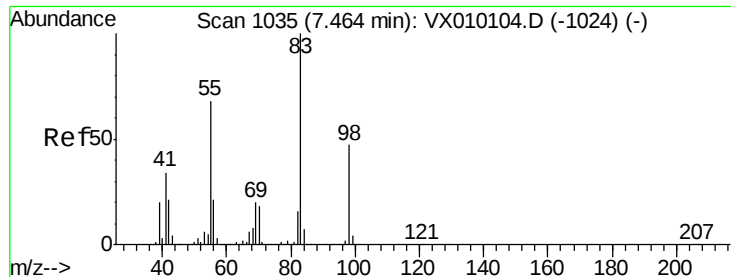
Tot Ion: 43 Resp: 69104
Ion Ratio Lower Upper
43 100
61 15.4 10.2 15.2#
70 12.7 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 18.372 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 117 Resp: 71877
Ion Ratio Lower Upper
117 100
119 94.2 77.3 115.9
121 29.9 25.4 38.0

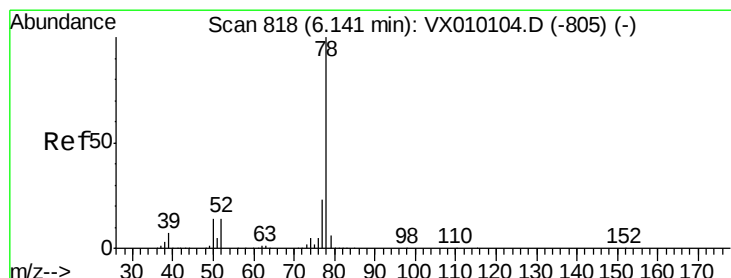
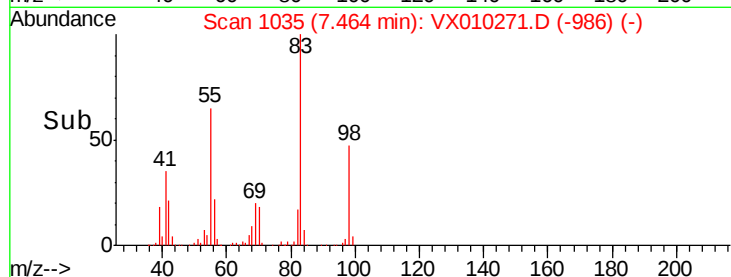
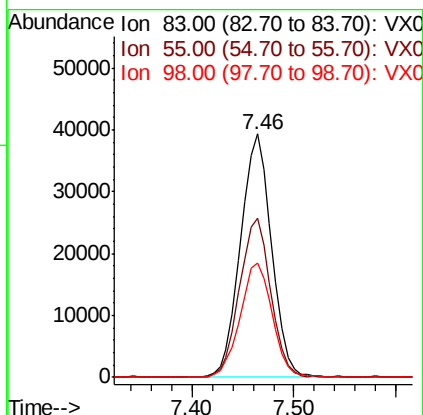
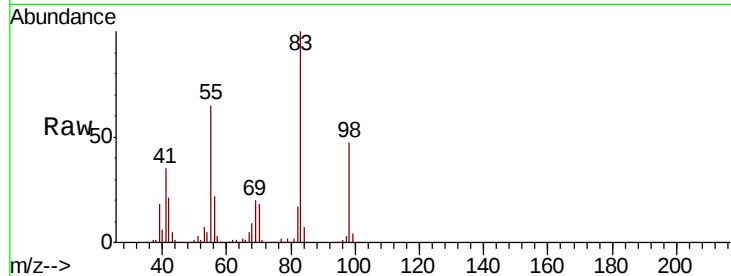




#39
Methvlcvclohexane
Concen: 17.655 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

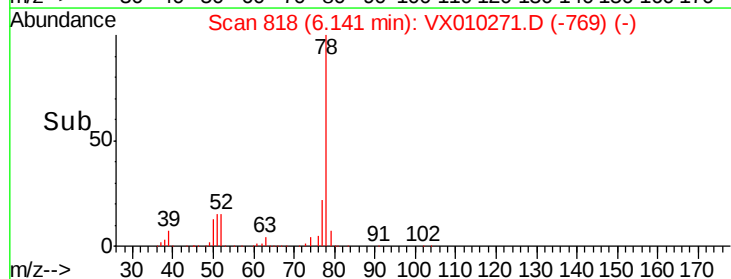
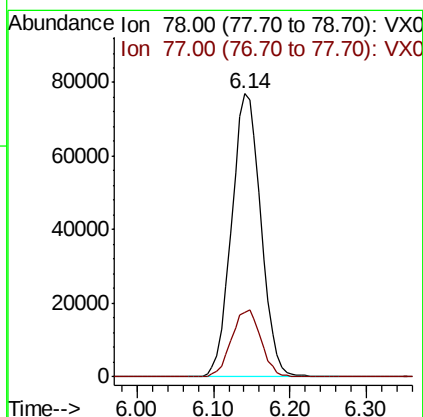
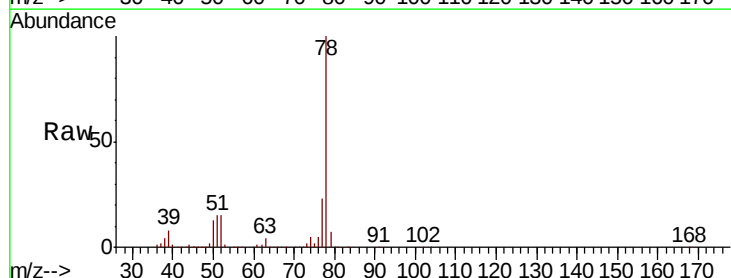
Instrument :
MSVOA_X
ClientSampleId :

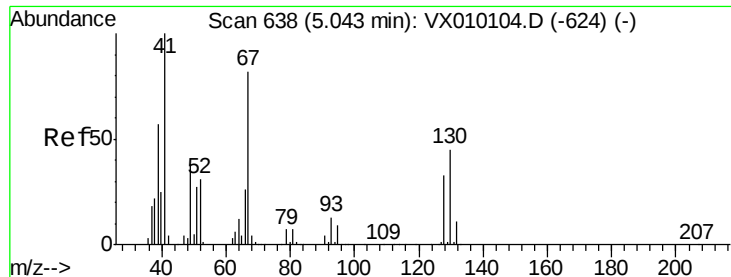
Tot Ion: 83 Resp: 83096
Ion Ratio Lower Upper
83 100
55 64.9 69.9 104.9#
98 46.9 35.1 52.7



#40
Benzene
Concen: 19.086 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 78 Resp: 203997
Ion Ratio Lower Upper
78 100
77 22.8 19.2 28.8





#41

Methacrylonitrile

Concen: 19.470 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 37877

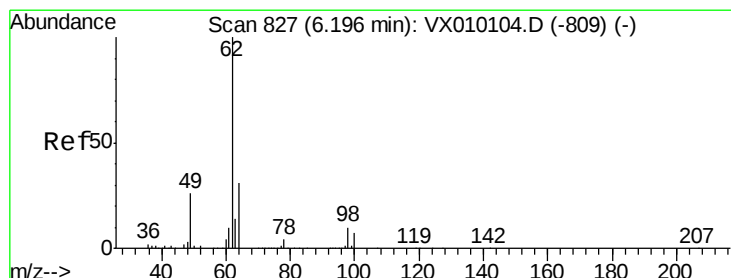
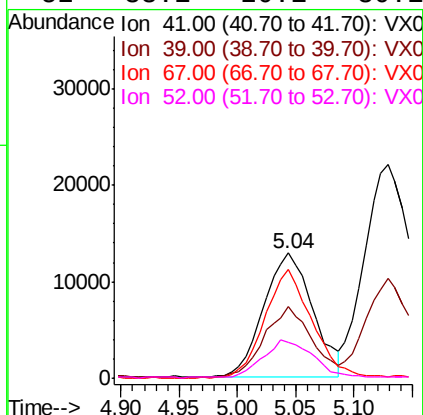
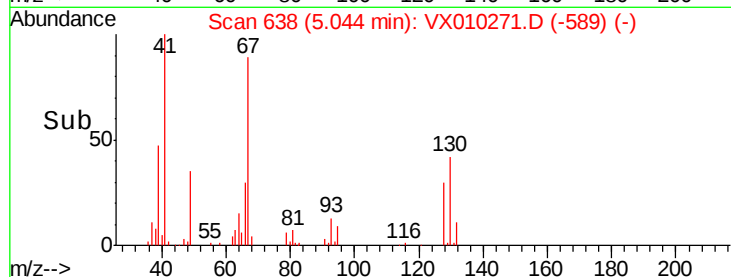
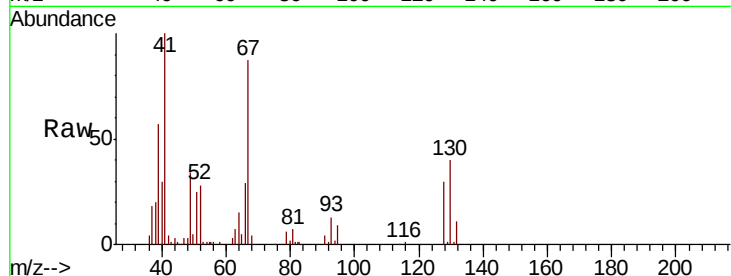
Ion Ratio Lower Upper

41 100

39 56.4 42.2 63.4

67 84.0 48.9 73.3#

52 33.1 20.1 30.1#



#42

1,2-Dichloroethane

Concen: 18.917 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX010271.D

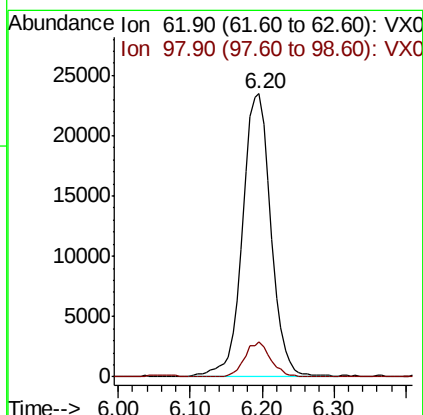
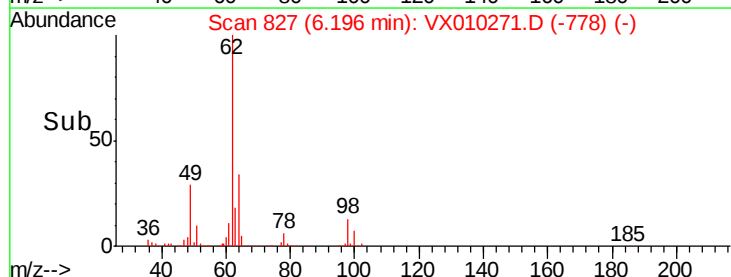
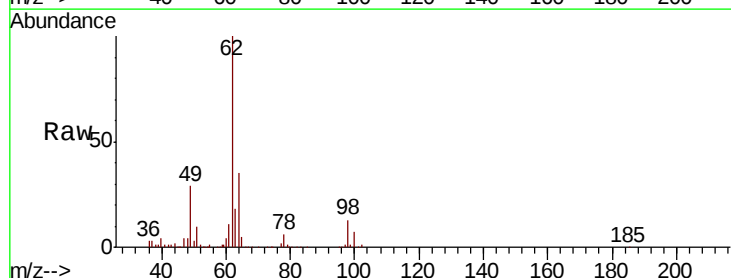
Acq: 13 Jun 2019 14:39

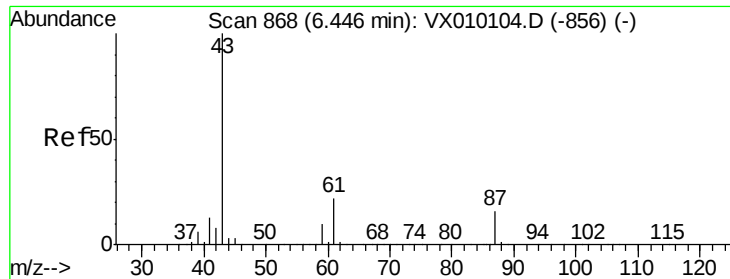
Tgt Ion: 62 Resp: 64547

Ion Ratio Lower Upper

62 100

98 11.3 0.0 17.2



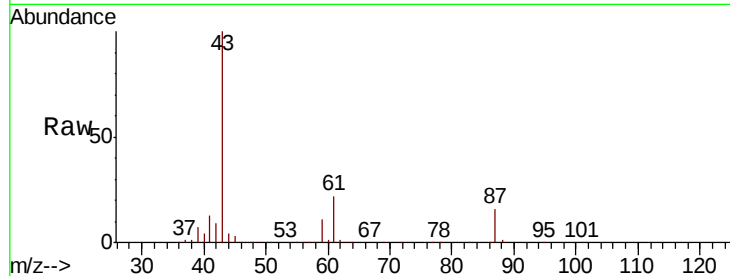


#43

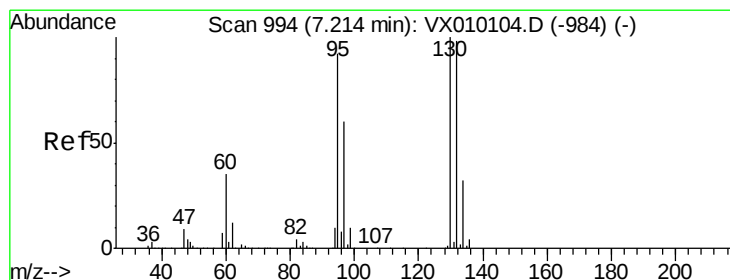
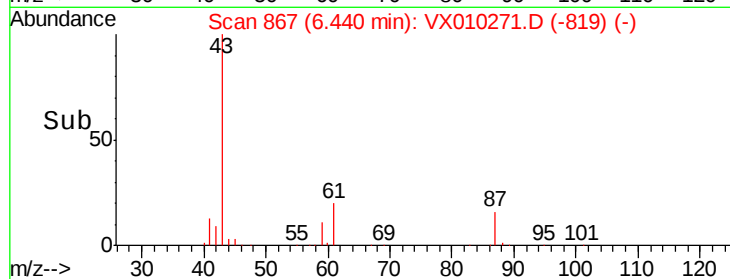
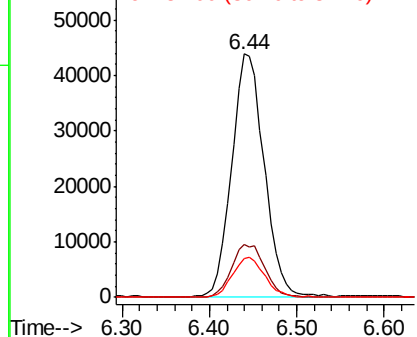
Isopropyl Acetate
 Concen: 18.763 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	Resp	112826
Ion Ratio	Lower	Upper	
43	100		
61	22.4	14.6	21.8#
87	16.5	8.7	13.1#



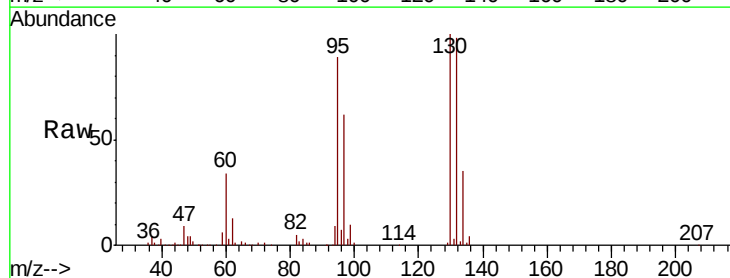
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



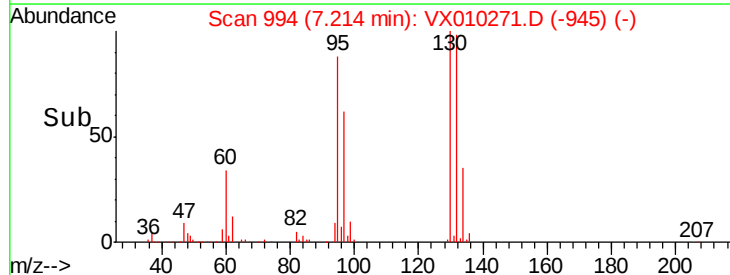
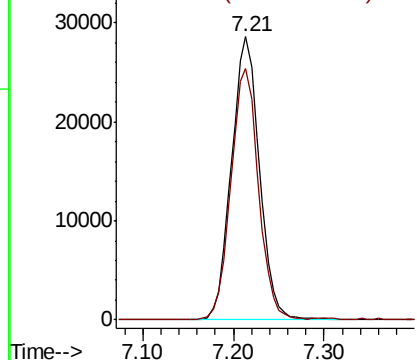
#44

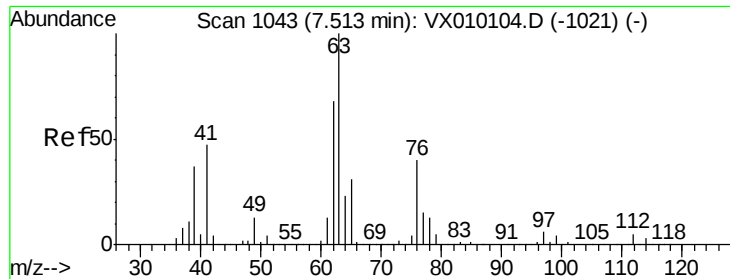
Trichloroethene
 Concen: 18.978 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Tgt Ion	130	Resp	61141
Ion Ratio	Lower	Upper	
130	100		
95	88.6	0.0	207.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.329 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

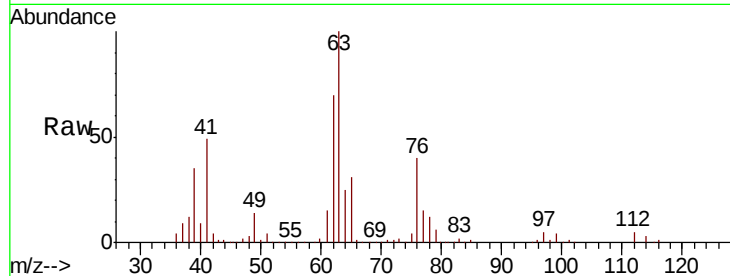
ClientSampled :

Tot Ion: 63 Resp: 51709

Ion Ratio Lower Upper

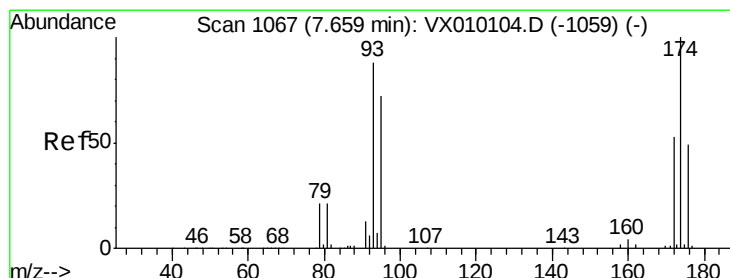
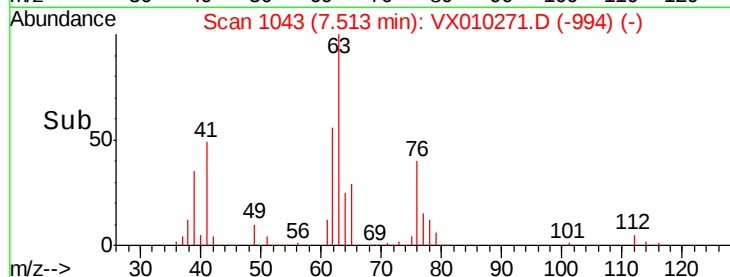
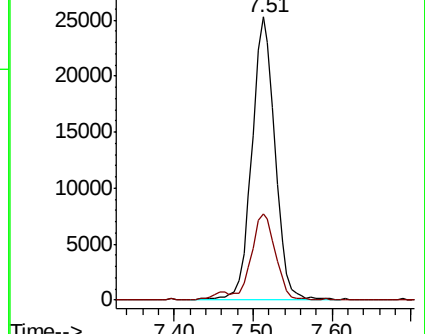
63 100

65 30.3 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.774 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

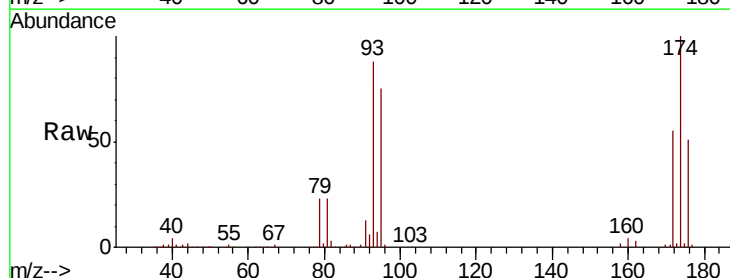
Tgt Ion: 93 Resp: 37627

Ion Ratio Lower Upper

93 100

95 81.6 66.8 100.2

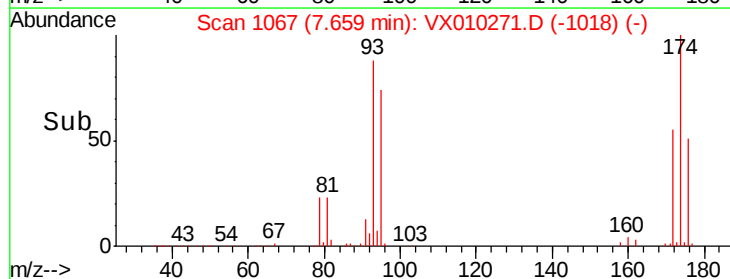
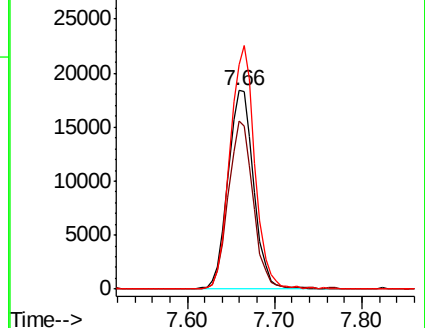
174 118.3 81.9 122.9

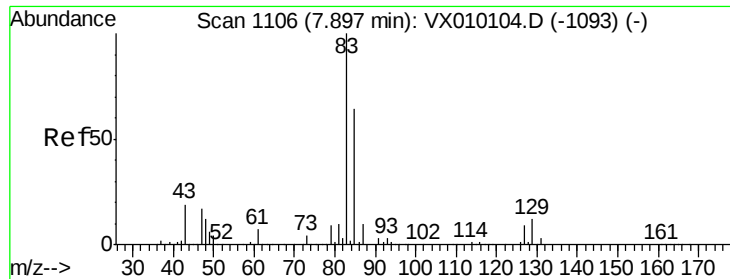


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.340 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

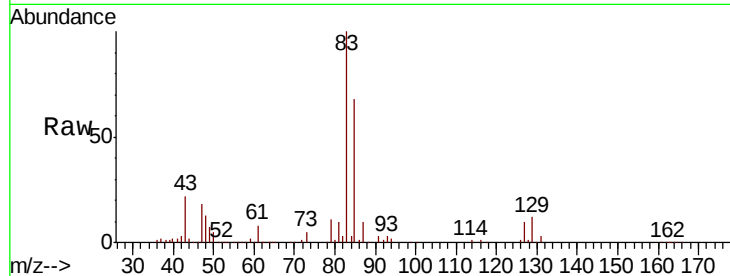
Tot Ion: 83 Resp: 68681

Ion Ratio Lower Upper

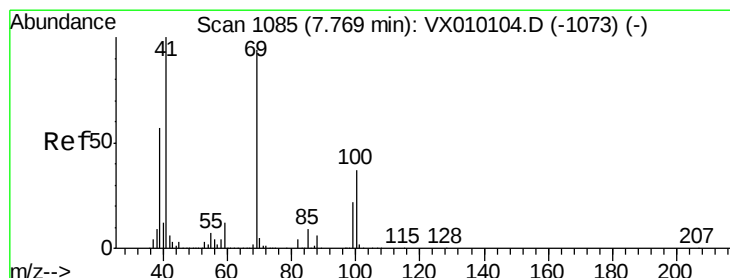
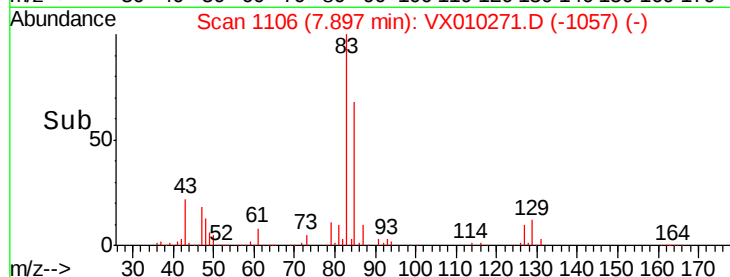
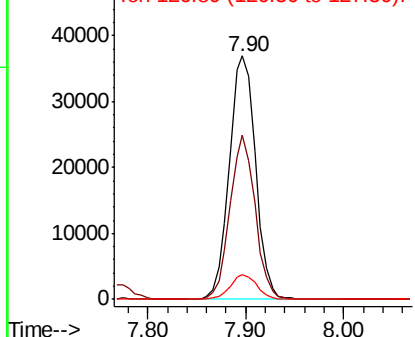
83 100

85 67.6 51.4 77.2

127 10.2 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.673 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

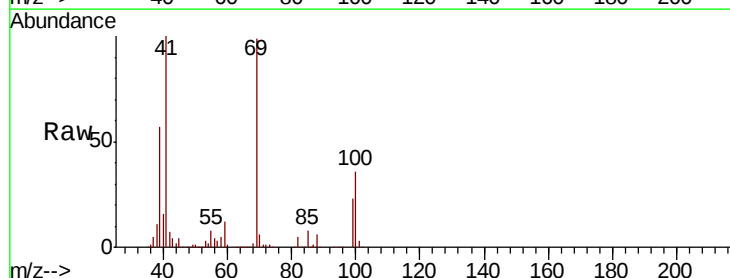
Tgt Ion: 41 Resp: 52512

Ion Ratio Lower Upper

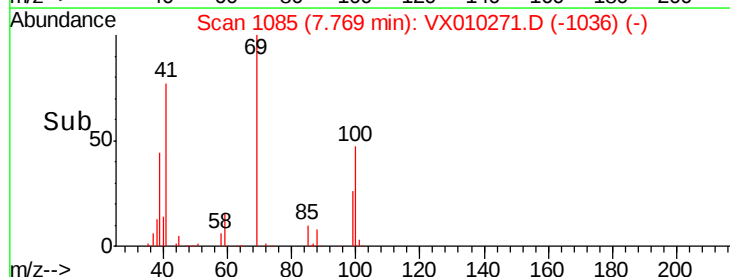
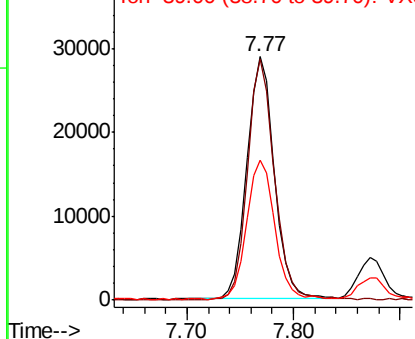
41 100

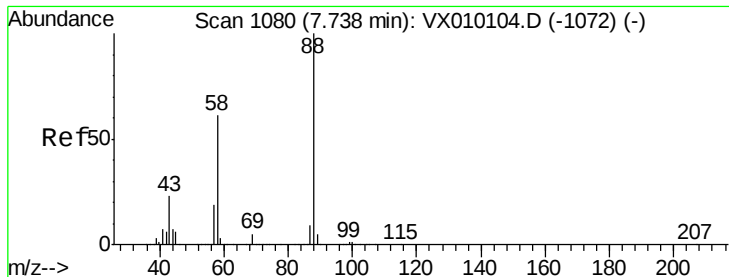
69 96.9 56.4 84.6#

39 58.7 40.6 60.8



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: 406.585 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

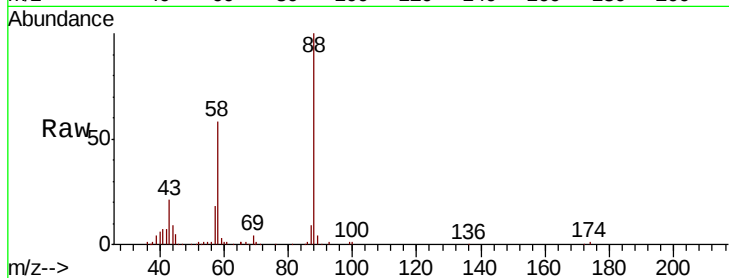
Tot Ion: 88 Resp: 32599

Ion Ratio Lower Upper

88 100

43 23.7 30.2 45.4#

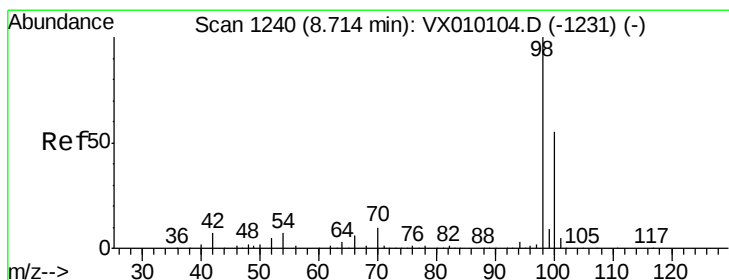
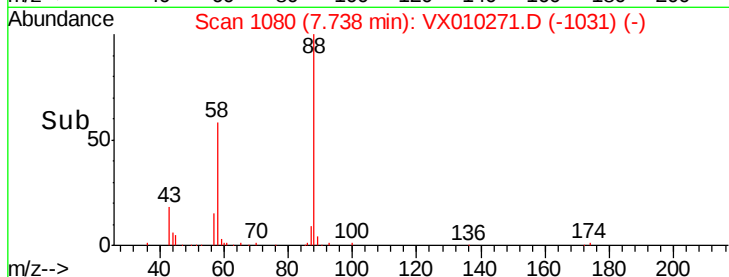
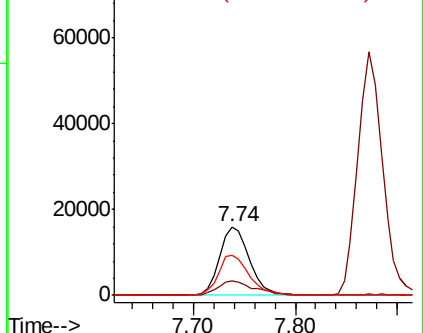
58 61.5 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.466 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010271.D

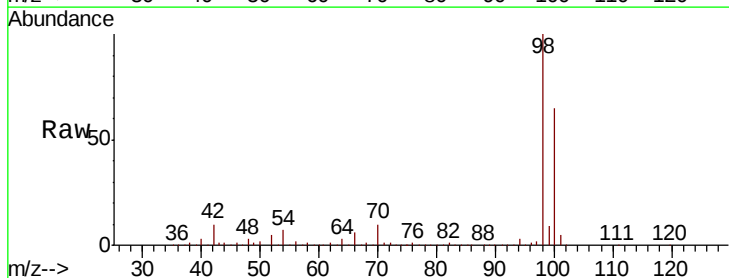
Acq: 13 Jun 2019 14:39

Tgt Ion: 98 Resp: 513855

Ion Ratio Lower Upper

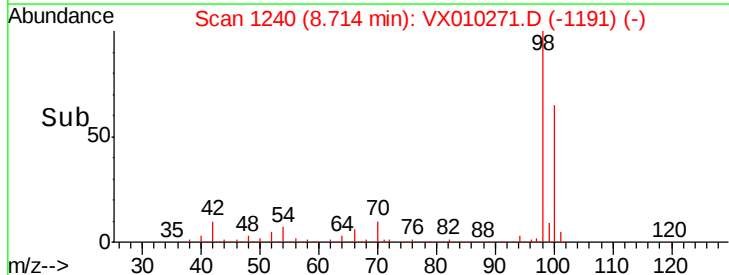
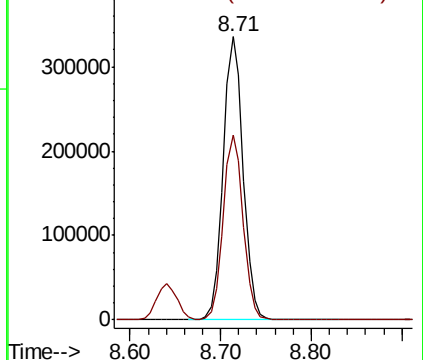
98 100

100 64.9 51.5 77.3



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: 102.566 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

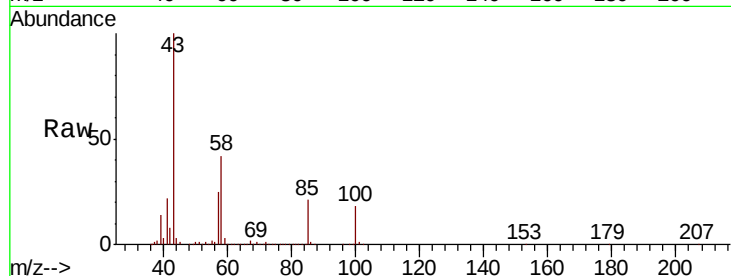
ClientSampleId :

Tot Ion: 43 Resp: 368438

Ion Ratio Lower Upper

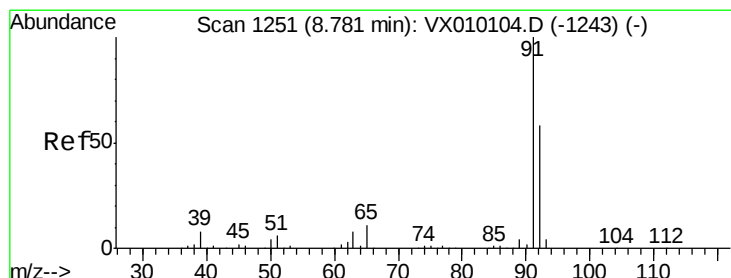
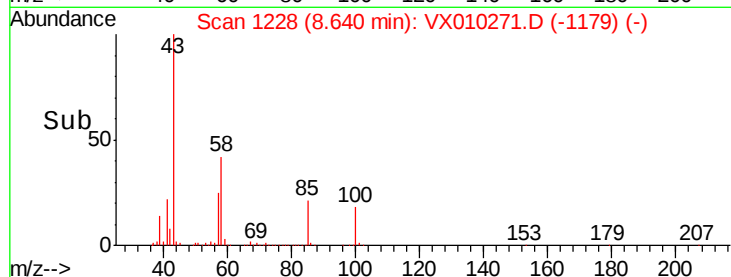
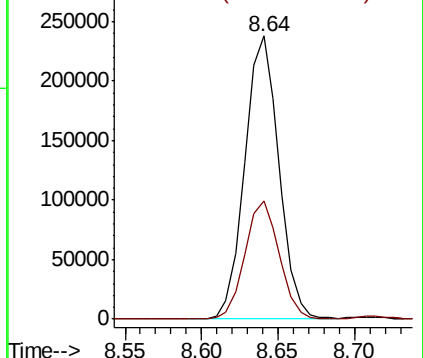
43 100

58 42.0 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.060 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010271.D

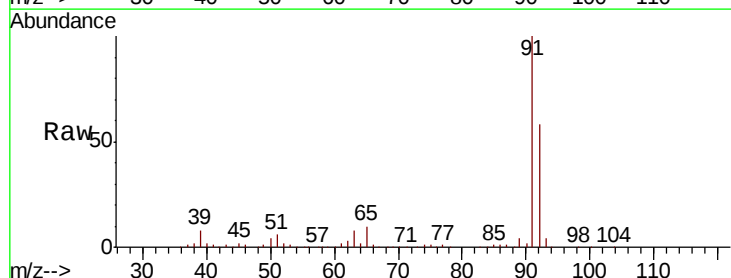
Acq: 13 Jun 2019 14:39

Tgt Ion: 92 Resp: 133909

Ion Ratio Lower Upper

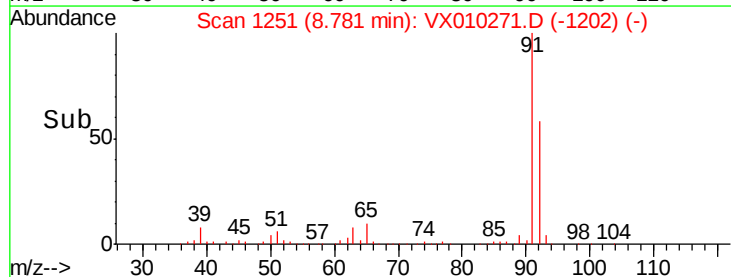
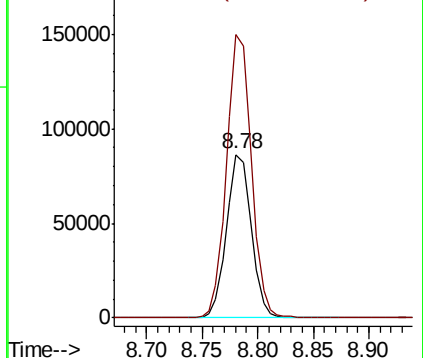
92 100

91 173.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 16.981 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

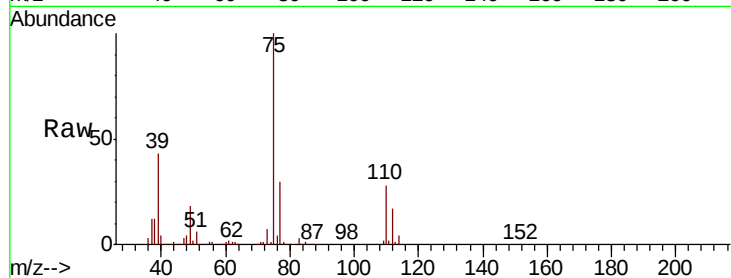
ClientSampled :

Tot Ion: 75 Resp: 73555

Ion Ratio Lower Upper

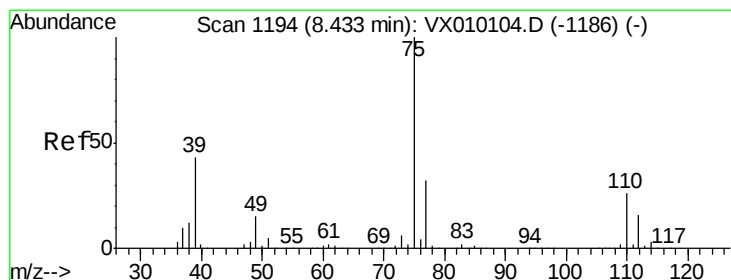
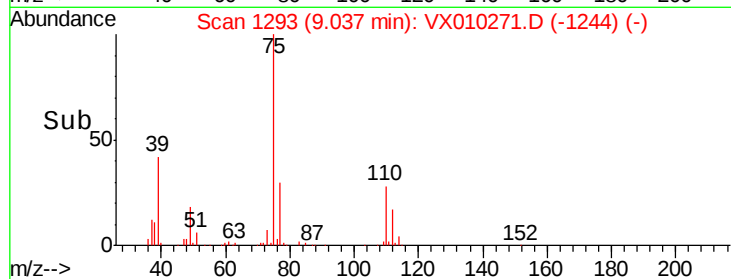
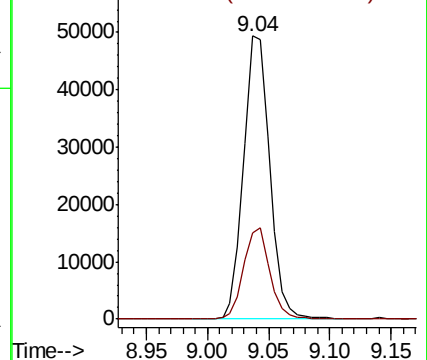
75 100

77 30.1 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 17.732 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

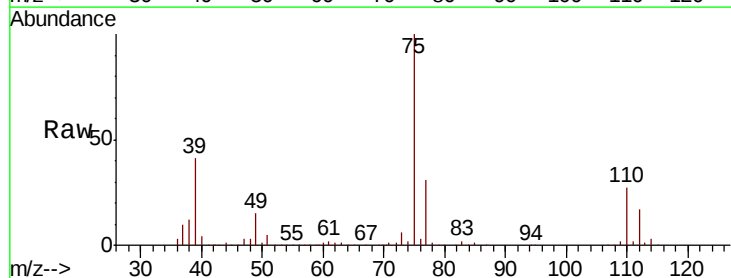
Tgt Ion: 75 Resp: 82345

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

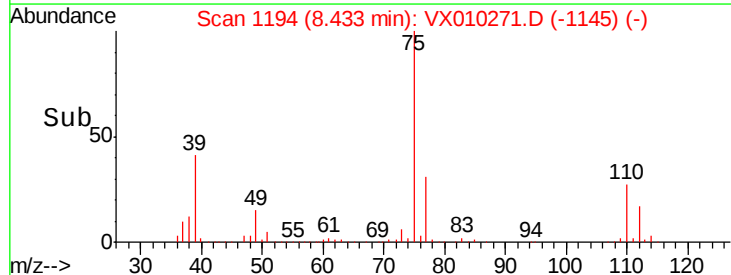
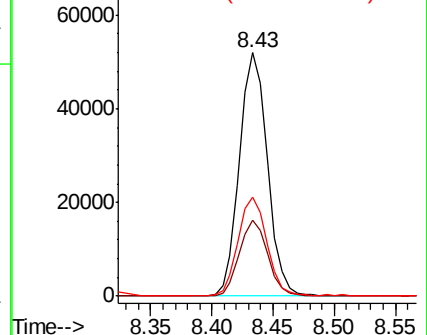
39 40.6 43.4 65.0#



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

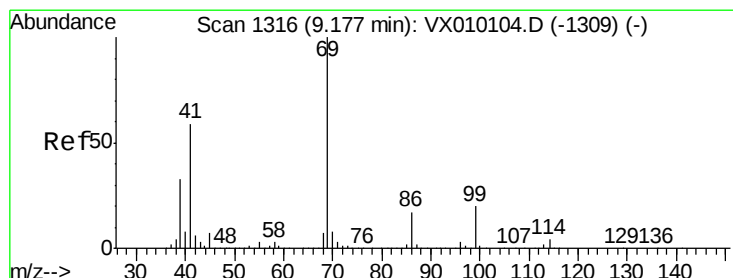
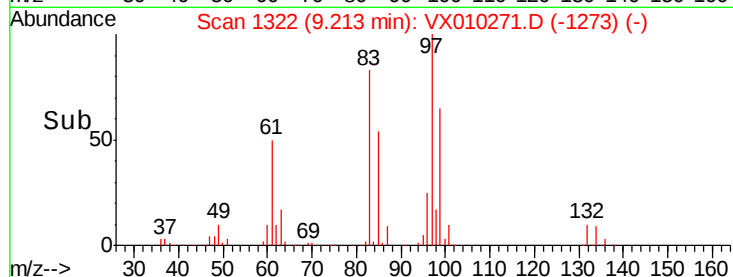
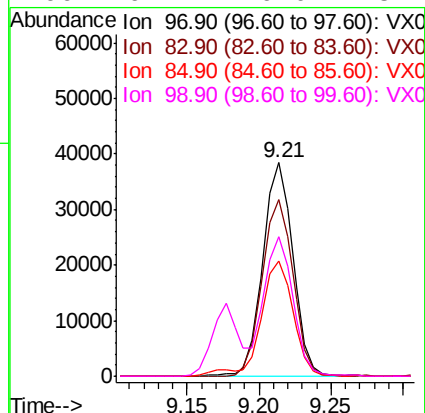
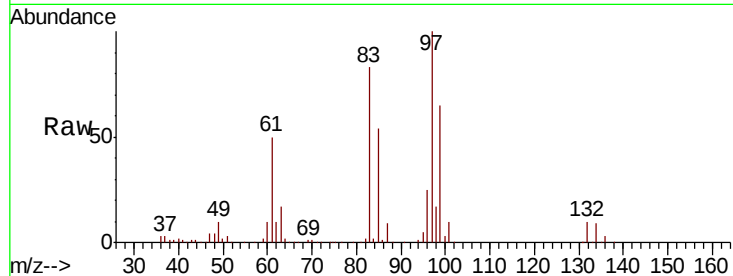




#55
 1,1,2-Trichloroethane
 Concen: 19.386 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

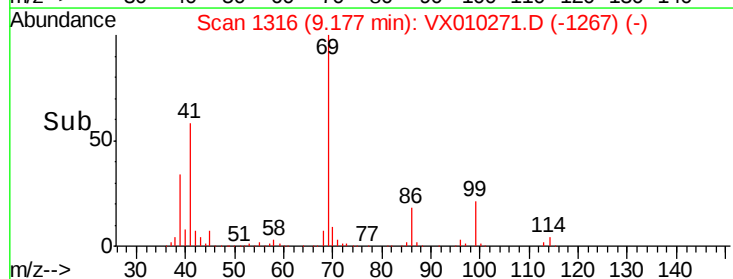
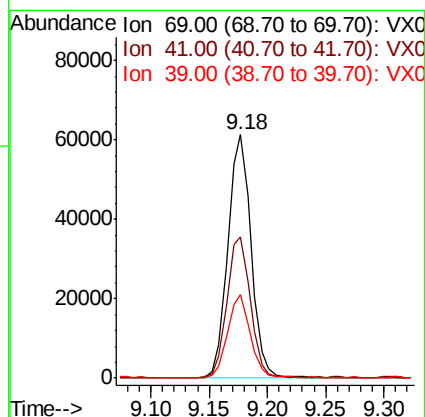
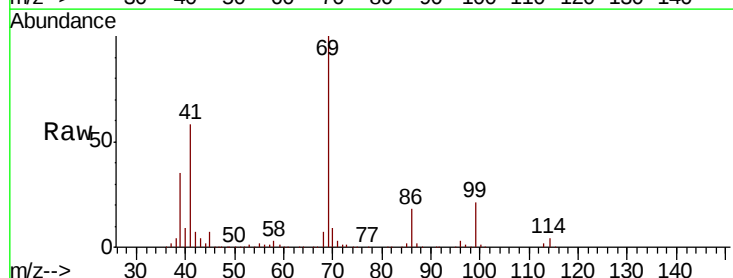
Instrument :
 MSVOA_X
 ClientSampled :

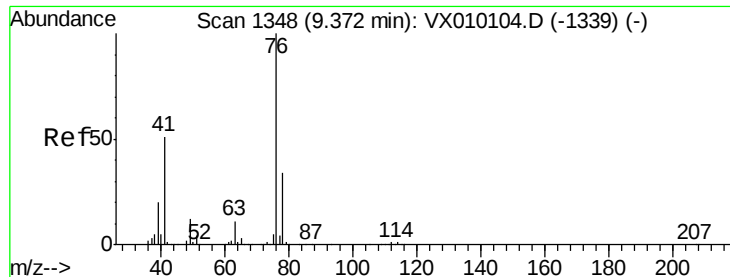
Tot Ion:	97	Resp:	55781
Ion	Ratio	Lower	Upper
97	100		
83	82.6	69.8	104.8
85	54.1	45.3	67.9
99	64.7	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 18.669 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Tgt Ion:	69	Resp:	84853
Ion	Ratio	Lower	Upper
69	100		
41	58.1	62.7	94.1#
39	33.4	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.213 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

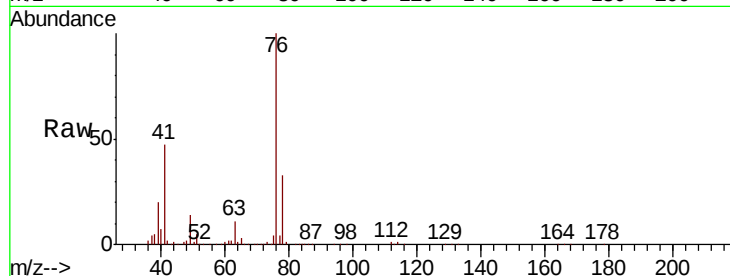
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 76 Resp: 87035

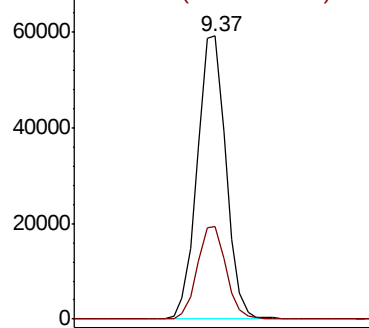
Ion Ratio Lower Upper

76 100

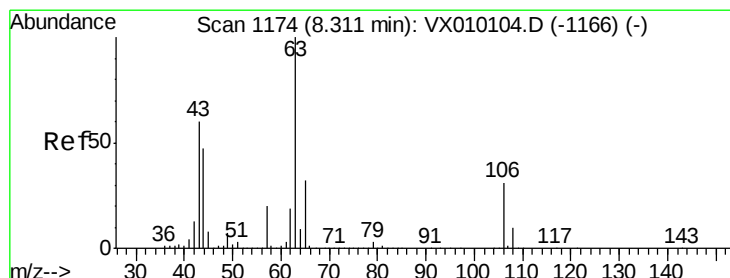
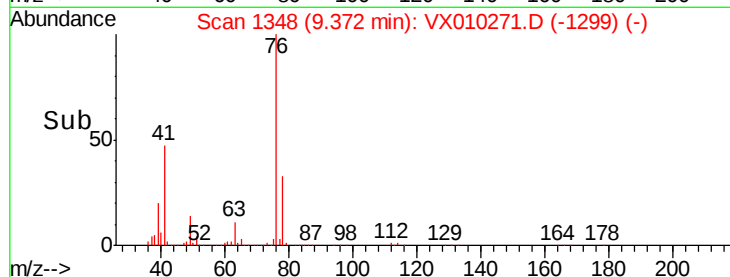
78 33.0 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.880 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010271.D

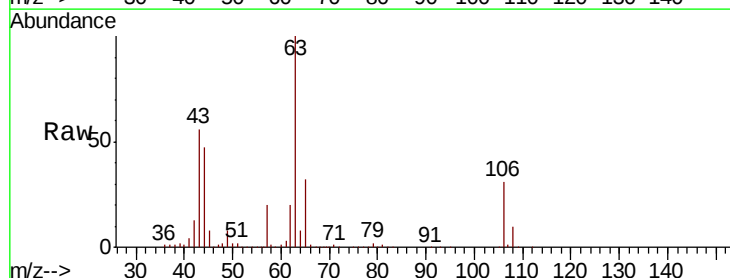
Acq: 13 Jun 2019 14:39

Tgt Ion: 63 Resp: 203302

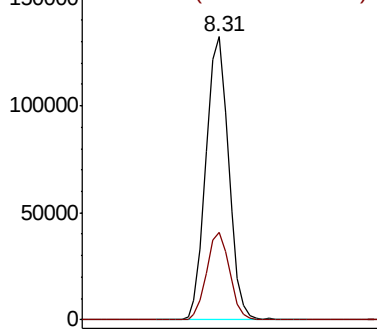
Ion Ratio Lower Upper

63 100

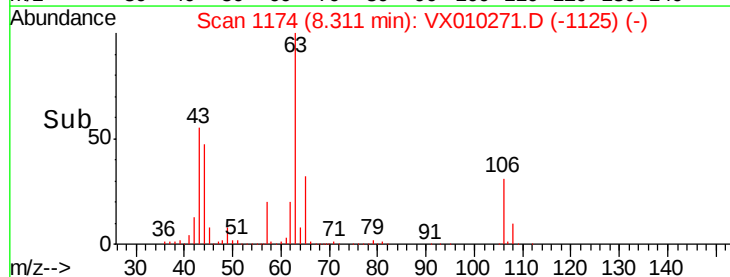
106 31.4 19.4 29.2#

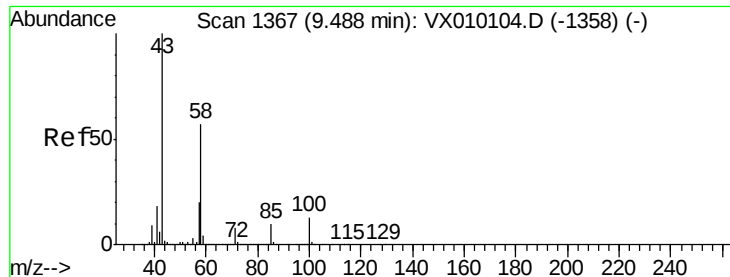


Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V



Time-->

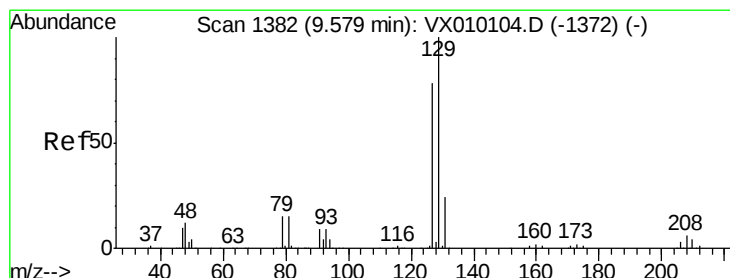
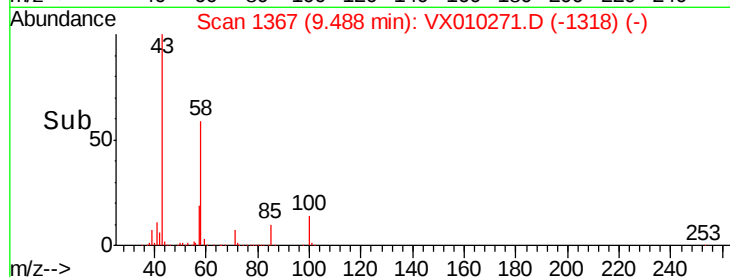
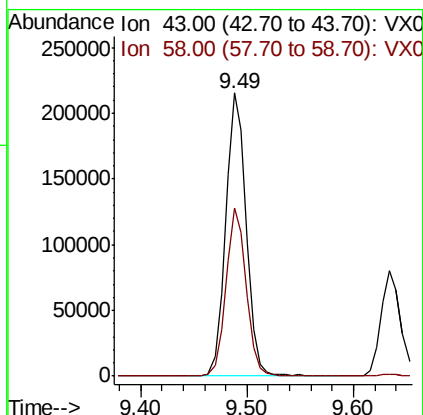
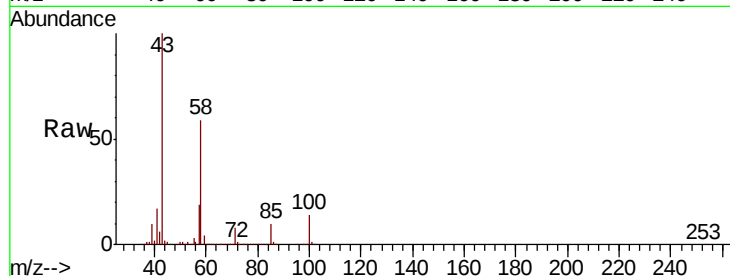




#59
2-Hexanone
Concen: 101.127 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

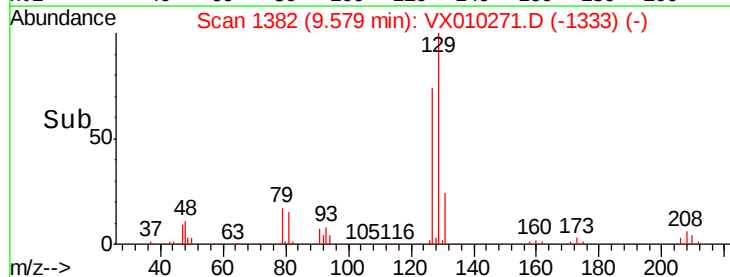
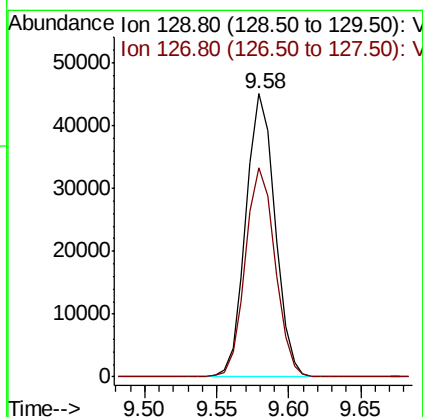
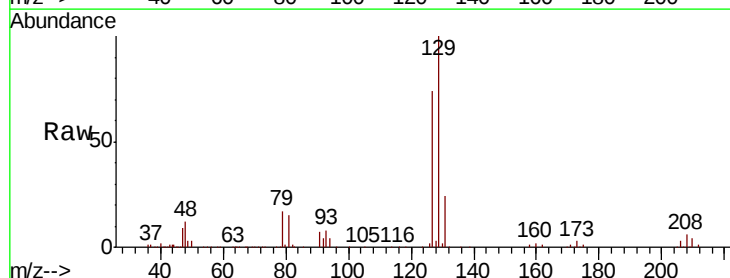
Instrument :
MSVOA_X
ClientSampleId :

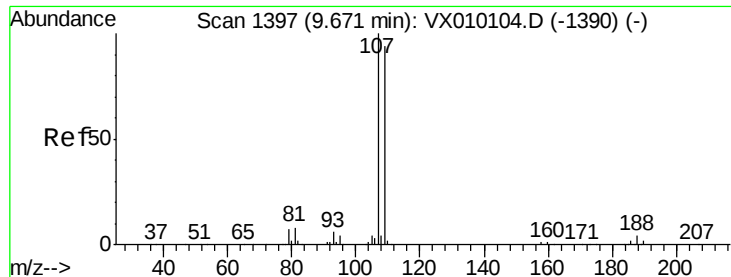
Tot Ion: 43 Resp: 289638
Ion Ratio Lower Upper
43 100
58 58.6 25.1 75.3



#60
Dibromochloromethane
Concen: 18.601 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 129 Resp: 63307
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.857 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

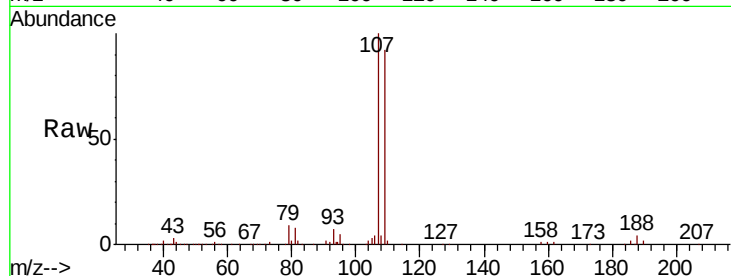
ClientSampleId :

Tot Ion:107 Resp: 60431

Ion Ratio Lower Upper

107 100

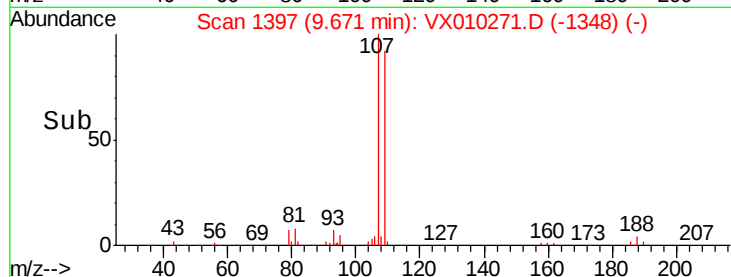
109 94.6 75.4 113.2



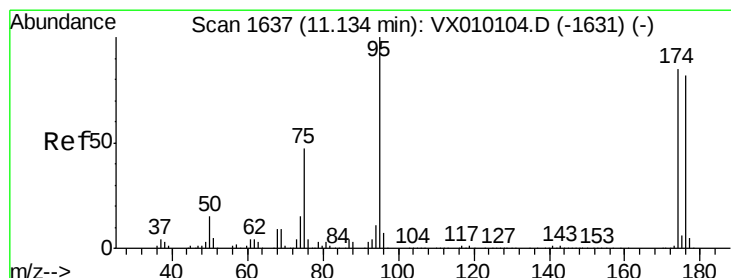
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Time-->



#62

4-Bromofluorobenzene

Concen: 49.811 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

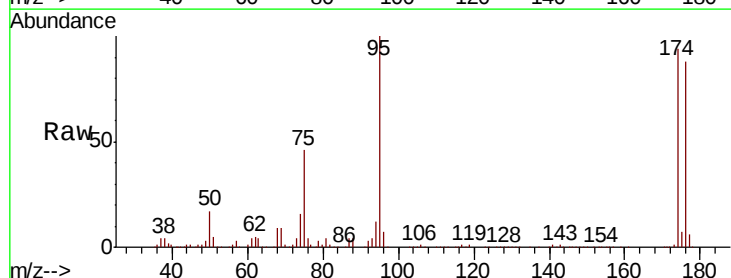
Tgt Ion: 95 Resp: 182194

Ion Ratio Lower Upper

95 100

174 95.0 0.0 160.4

176 91.7 0.0 154.6

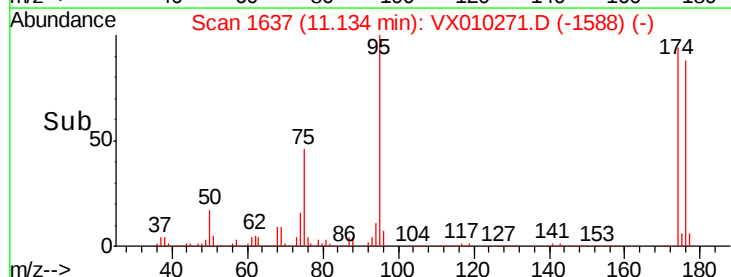


Abundance Ion 94.90 (94.60 to 95.60): VX0

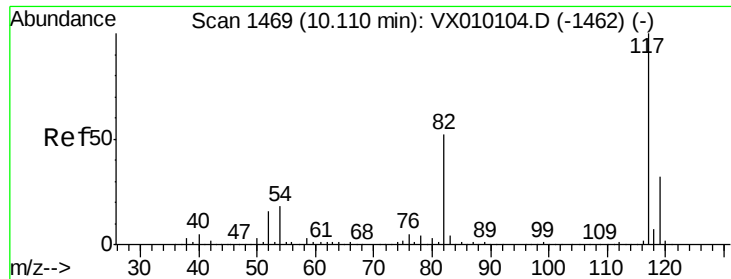
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13



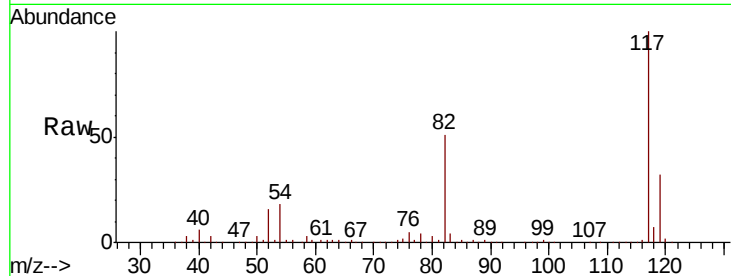
Time-->



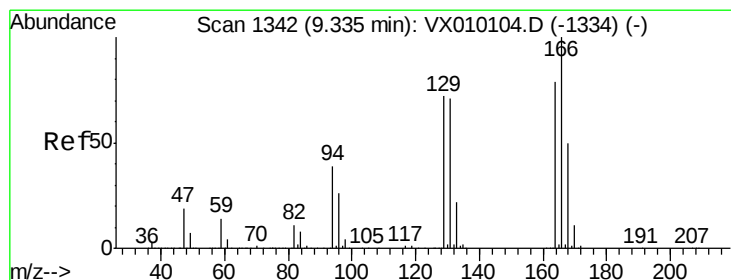
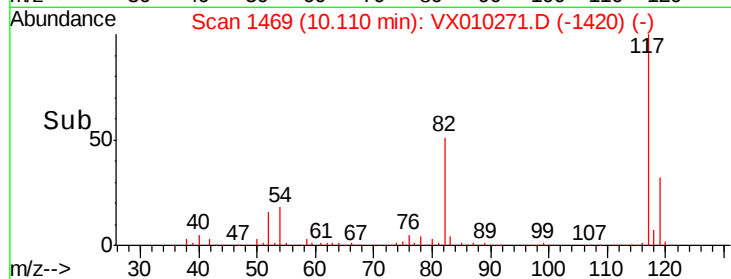
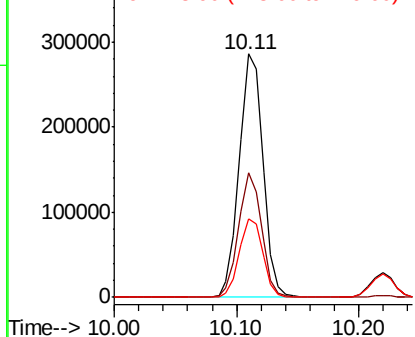
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 384059
Ion Ratio Lower Upper
117 100
82 51.3 49.2 73.8
119 32.5 25.2 37.8

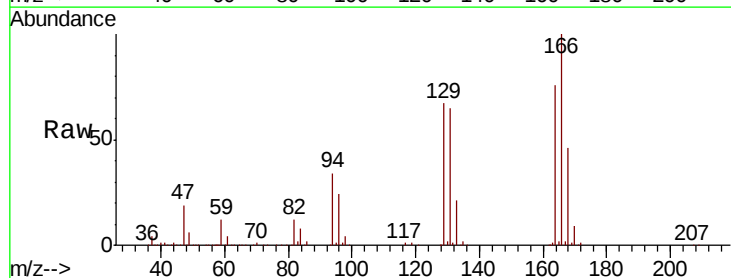


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

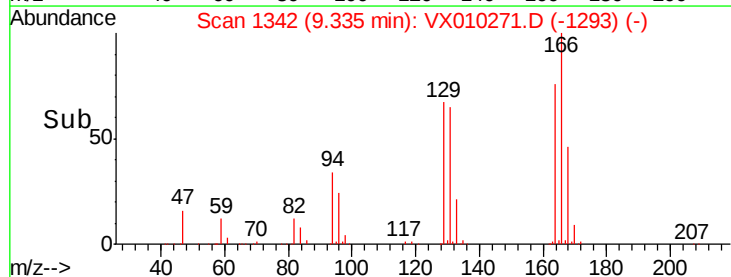
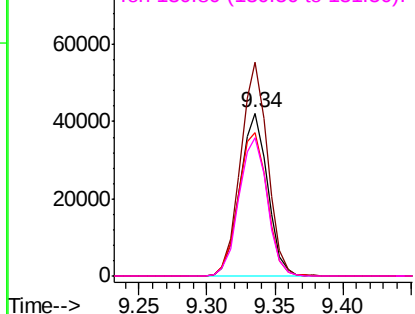


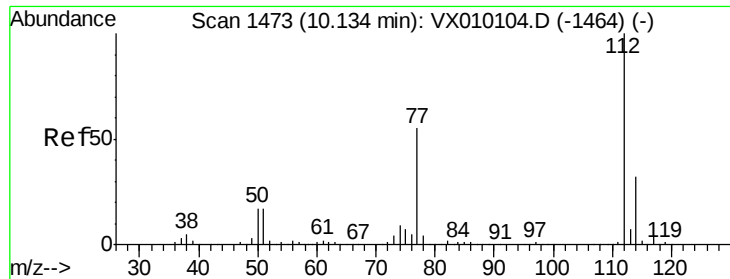
#64
Tetrachloroethene
Concen: 21.076 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion:164 Resp: 60120
Ion Ratio Lower Upper
164 100
166 131.0 105.0 157.4
129 88.2 75.1 112.7
131 84.6 72.2 108.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

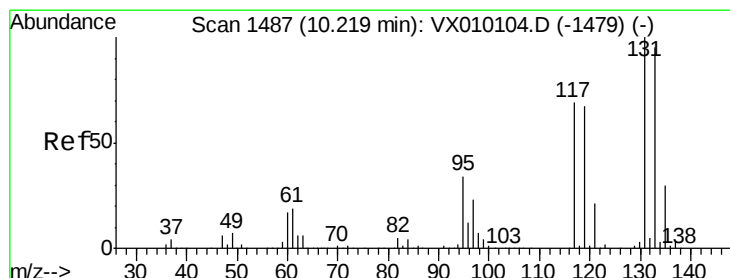
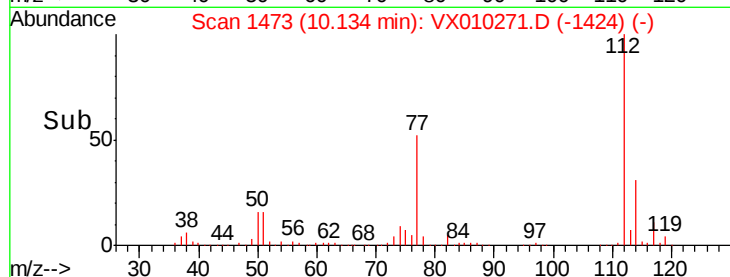
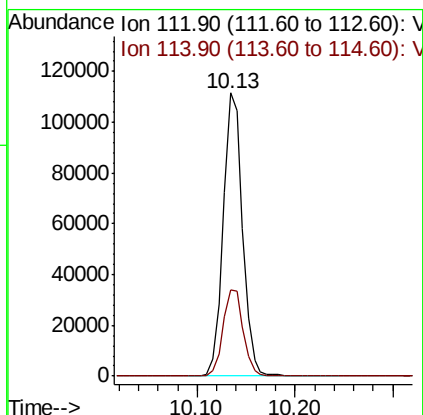
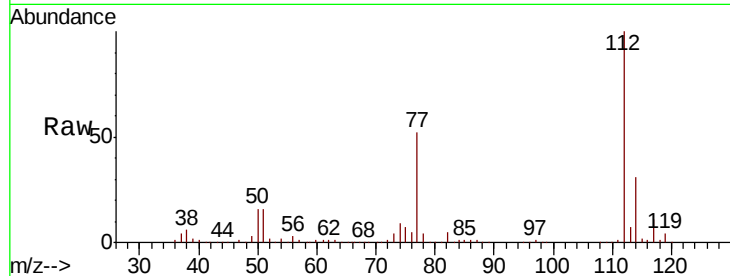




#65
Chlorobenzene
Concen: 19.231 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

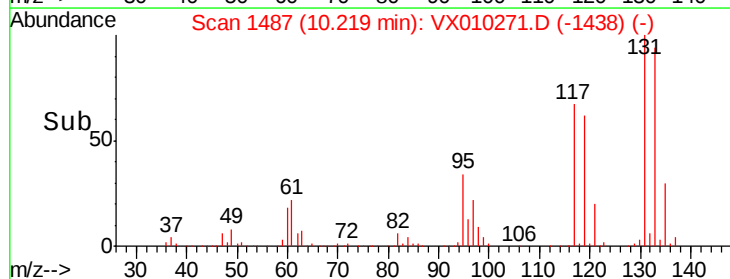
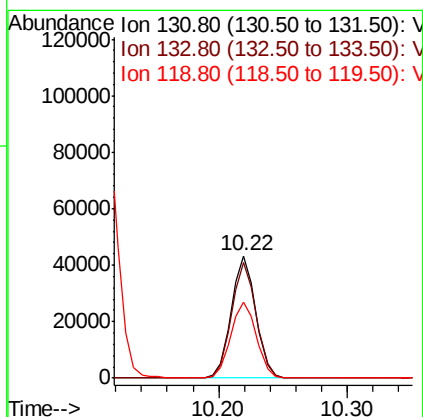
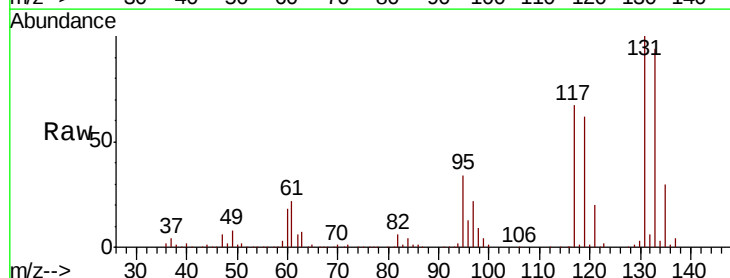
Instrument :
MSVOA_X
ClientSampleId :

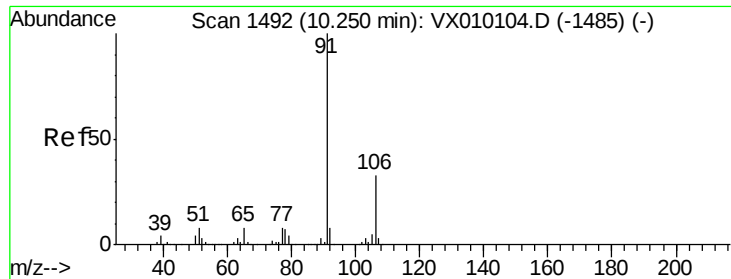
Tot Ion:112 Resp: 152435
Ion Ratio Lower Upper
112 100
114 30.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.860 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion:131 Resp: 57491
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 65.0 33.4 100.1





#67

Ethyl Benzene

Concen: 18.831 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

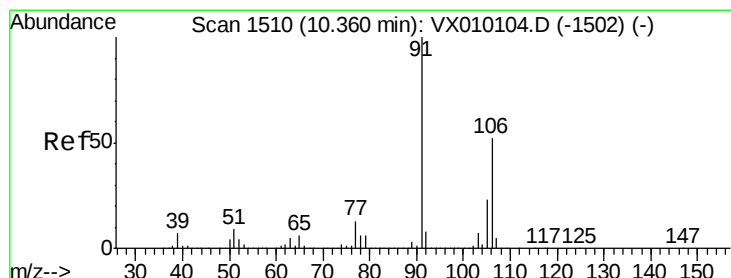
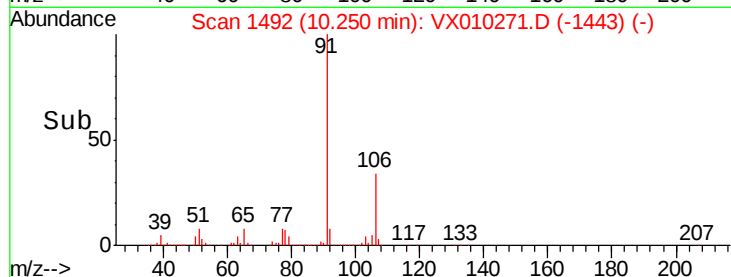
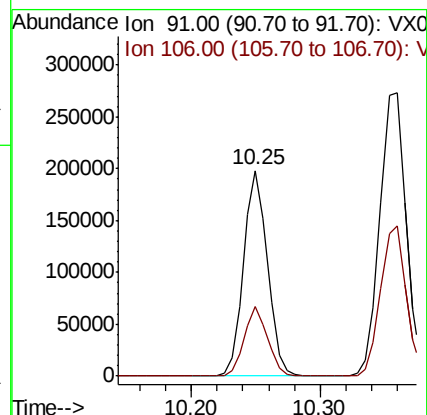
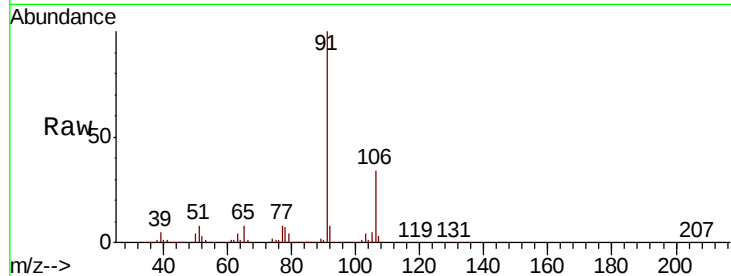
ClientSampled :

Tot Ion: 91 Resp: 254105

Ion Ratio Lower Upper

91 100

106 34.0 23.9 35.9



#68

m/p-Xylenes

Concen: 38.166 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010271.D

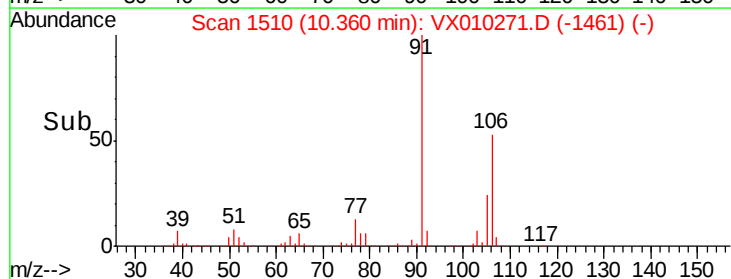
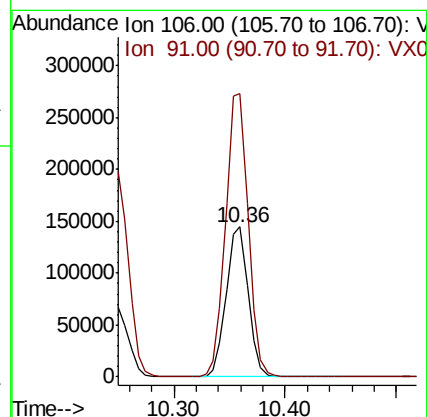
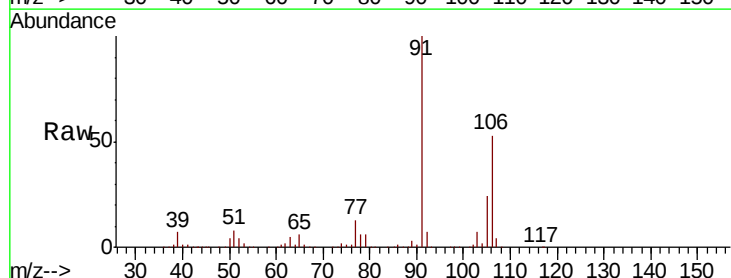
Acq: 13 Jun 2019 14:39

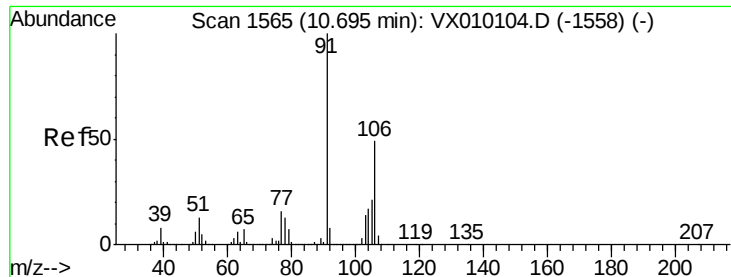
Tgt Ion: 106 Resp: 199294

Ion Ratio Lower Upper

106 100

91 192.4 167.3 250.9

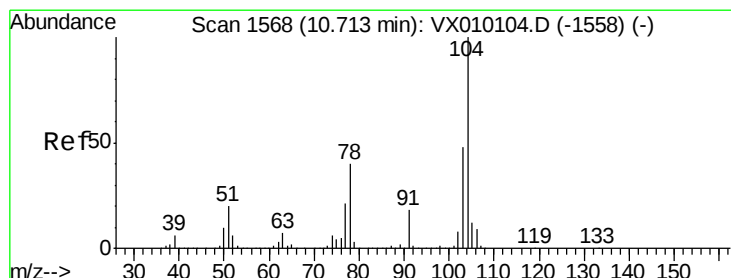
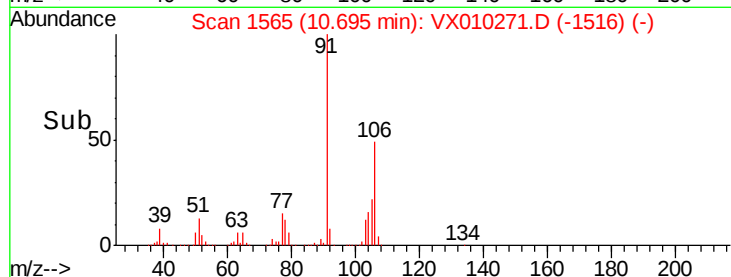
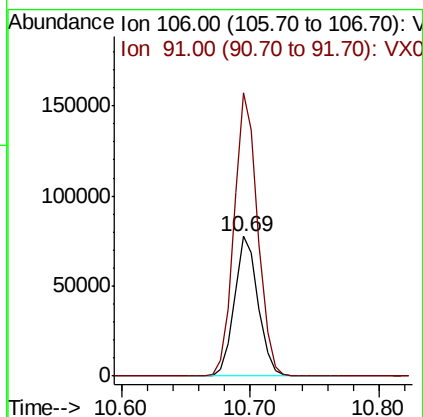
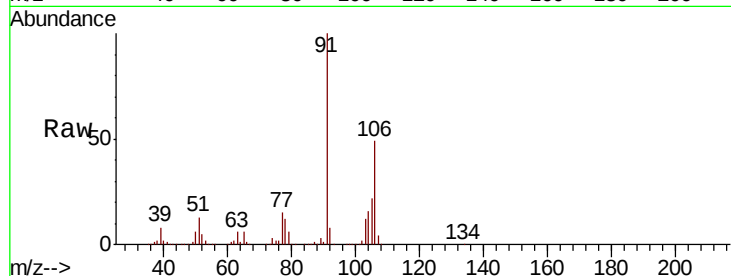




#69
o-Xylene
Concen: 19.156 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

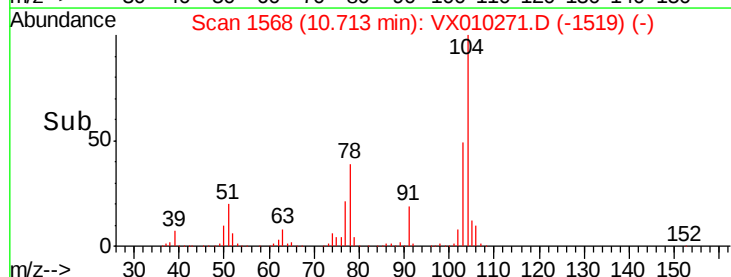
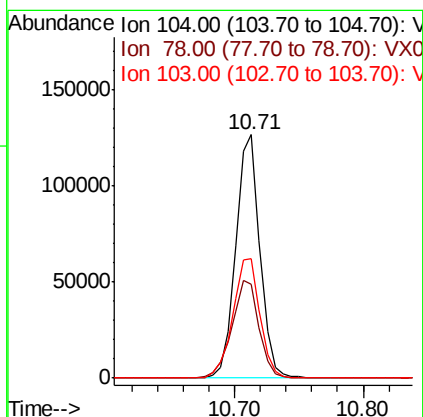
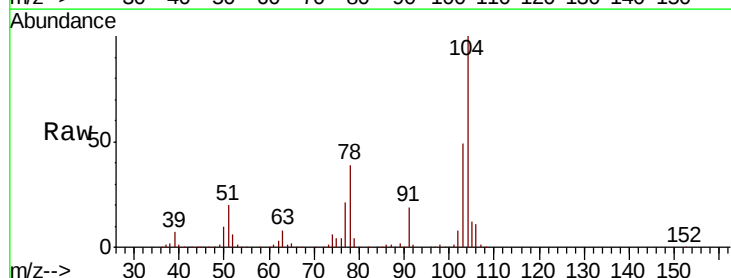
Instrument :
MSVOA_X
ClientSampled :

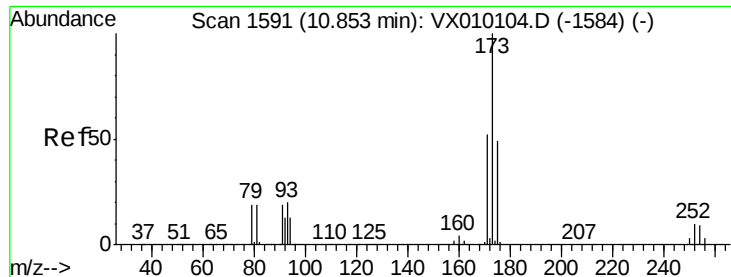
Tot Ion:106 Resp: 99433
Ion Ratio Lower Upper
106 100
91 201.9 110.4 331.2



#70
Styrene
Concen: 18.806 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion:104 Resp: 165326
Ion Ratio Lower Upper
104 100
78 45.3 42.1 63.1
103 55.3 44.1 66.1





#71

Bromoform

Concen: 17.548 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

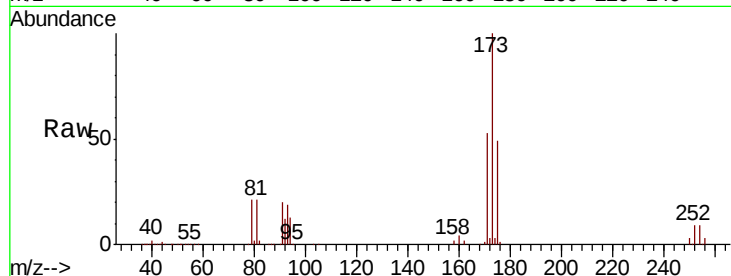
Tot Ion:173 Resp: 49174

Ion Ratio Lower Upper

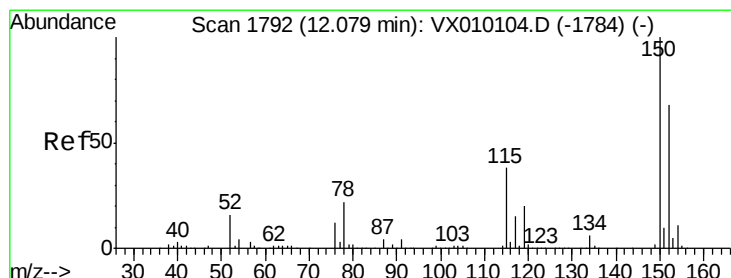
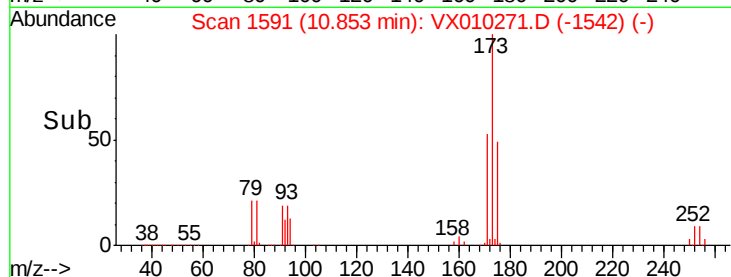
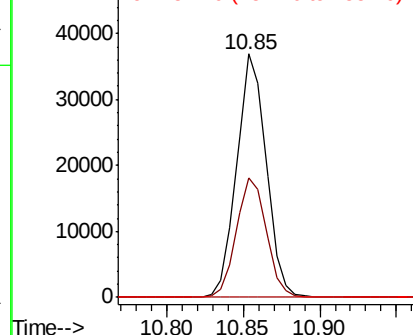
173 100

175 49.8 25.0 75.0

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VX010271.D

Acq: 13 Jun 2019 14:39

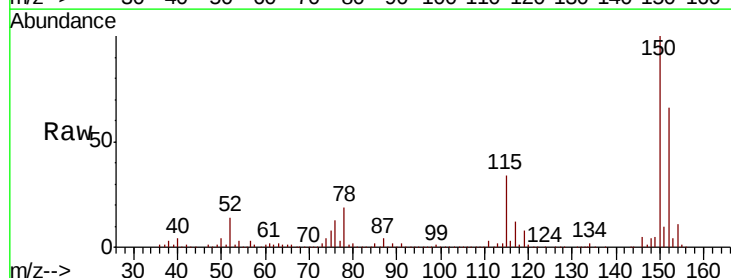
Tgt Ion:152 Resp: 196618

Ion Ratio Lower Upper

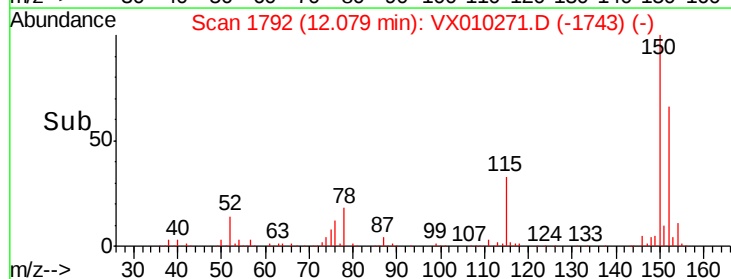
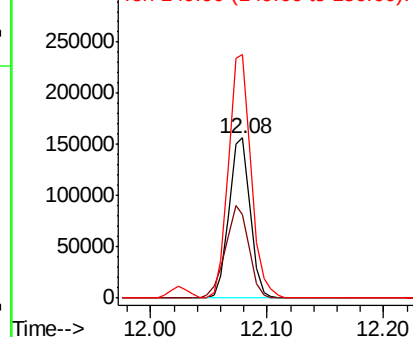
152 100

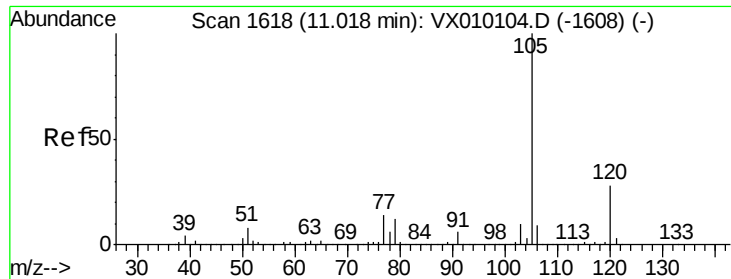
115 63.4 41.4 124.2

150 161.9 0.0 345.2



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: 18.981 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

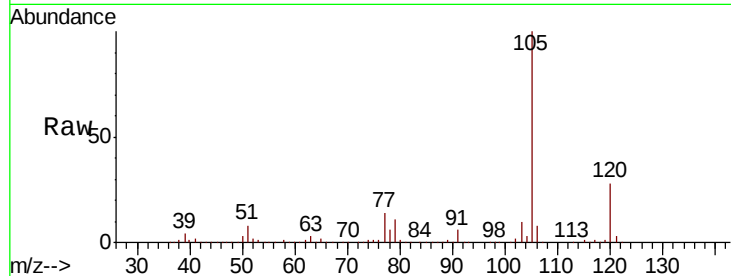
ClientSampleId :

Tot Ion:105 Resp: 260523

Ion Ratio Lower Upper

105 100

120 27.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

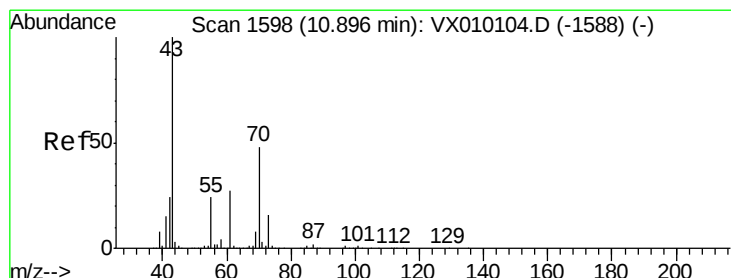
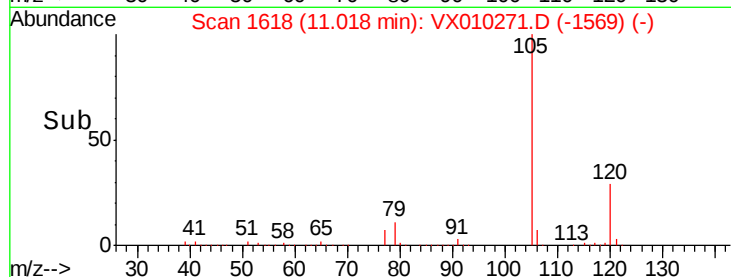
50000

0

11.02

11.00

Time-->



#74

N-ethyl acetate

Concen: 18.552 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion: 43 Resp: 100656

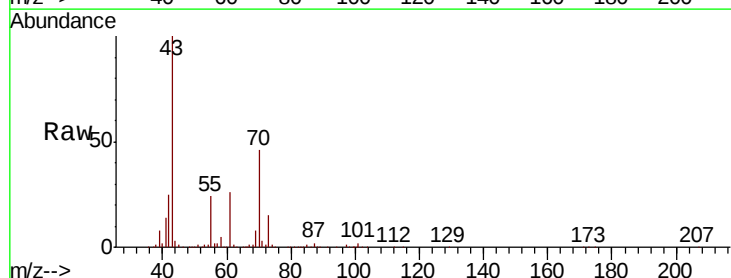
Ion Ratio Lower Upper

43 100

70 46.5 28.6 43.0#

55 24.8 17.8 26.8

61 25.9 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

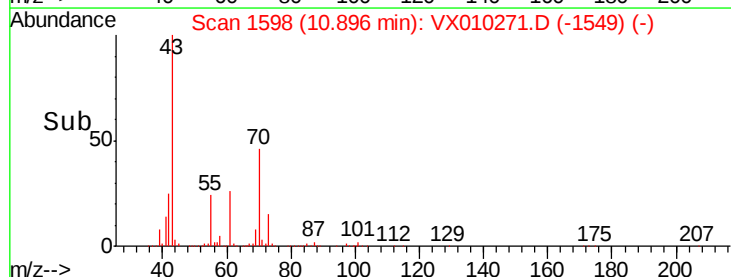
50000

0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.786 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

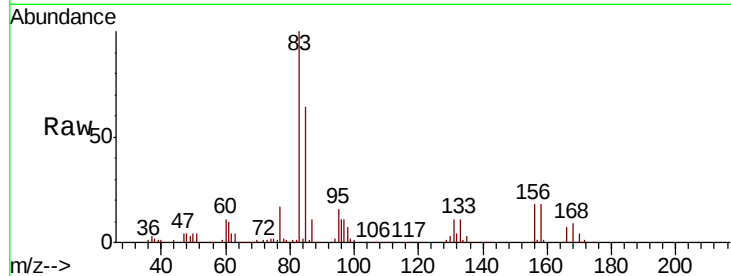
Tot Ion: 83 Resp: 88261

Ion Ratio Lower Upper

83 100

131 11.3 4.7 14.1

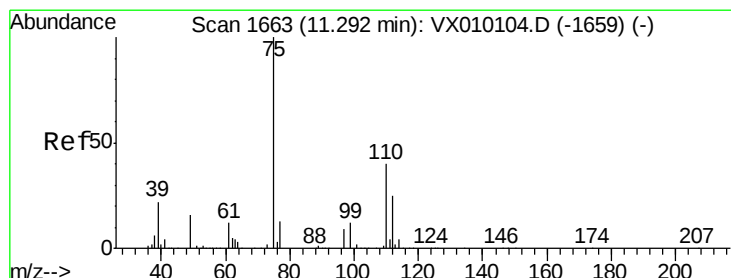
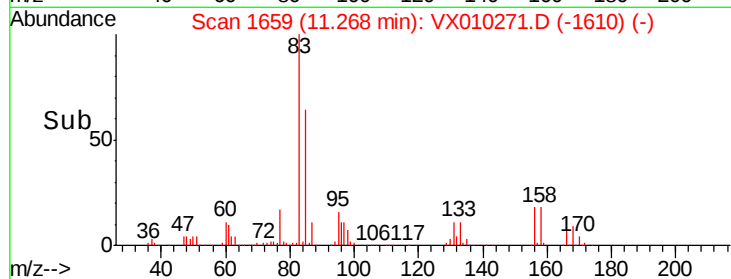
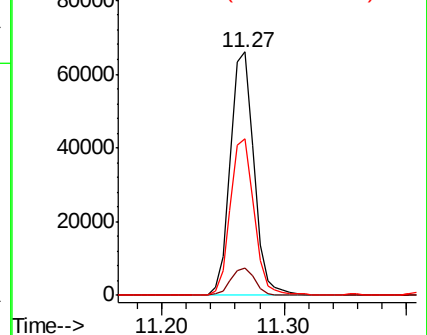
85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.648 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010271.D

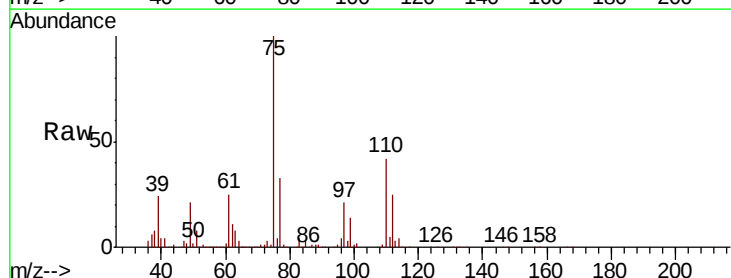
Acq: 13 Jun 2019 14:39

Tgt Ion: 75 Resp: 96936

Ion Ratio Lower Upper

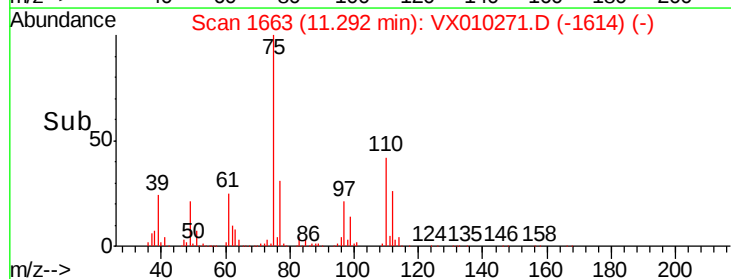
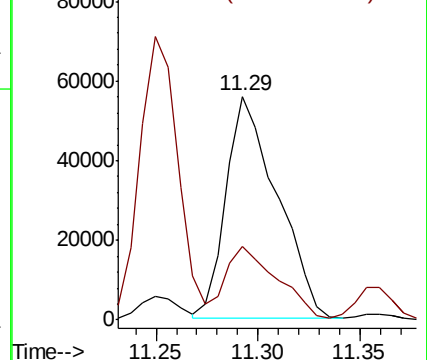
75 100

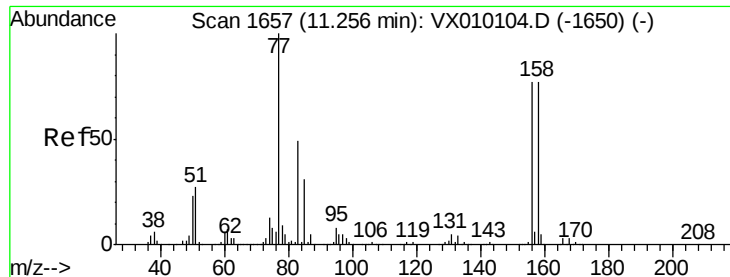
77 33.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.783 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

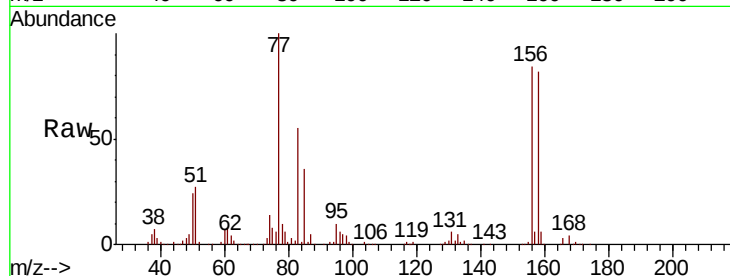
Tot Ion:156 Resp: 70893

Ion Ratio Lower Upper

156 100

77 131.4 86.8 260.3

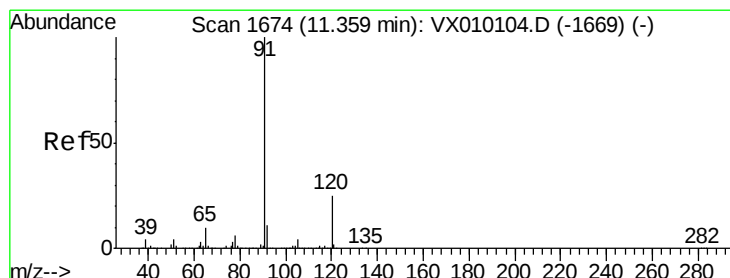
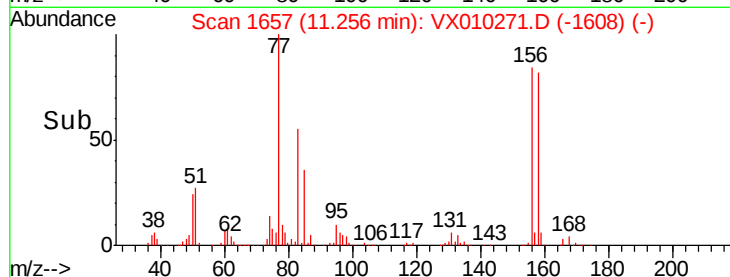
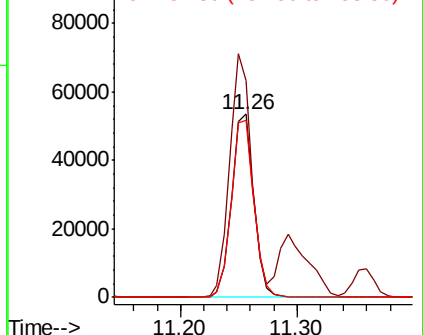
158 98.7 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.464 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010271.D

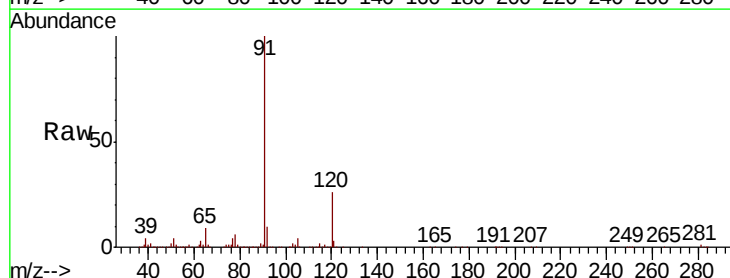
Acq: 13 Jun 2019 14:39

Tgt Ion: 91 Resp: 282134

Ion Ratio Lower Upper

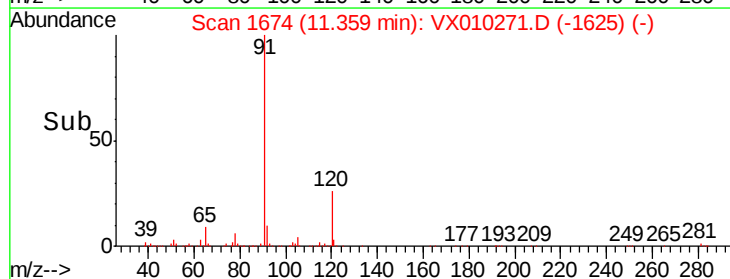
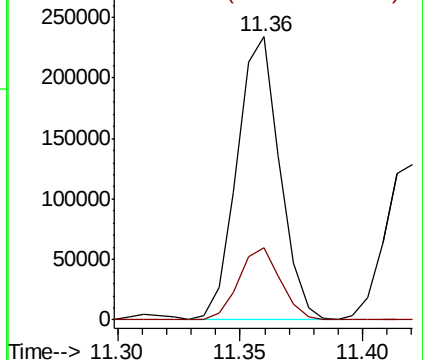
91 100

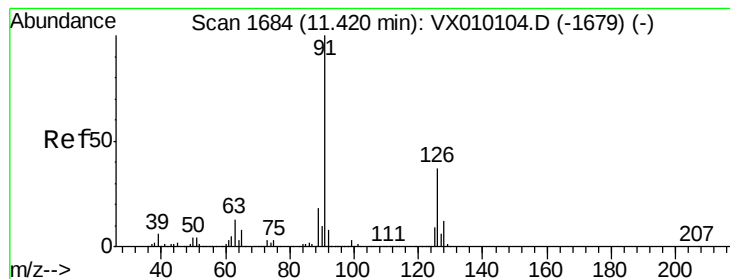
120 25.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.165 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

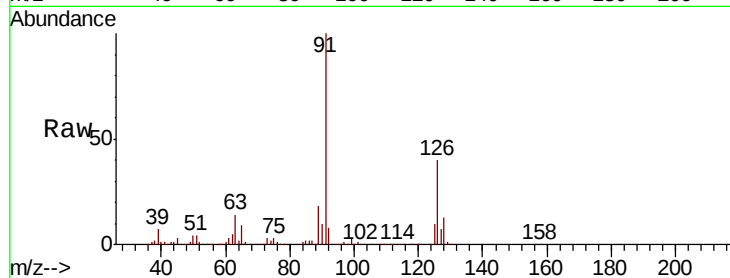
ClientSampled :

Tot Ion: 91 Resp: 166705

Ion Ratio Lower Upper

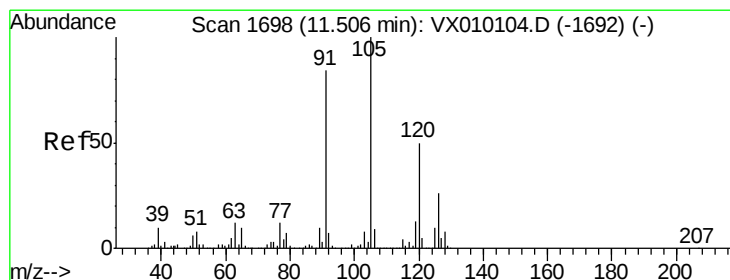
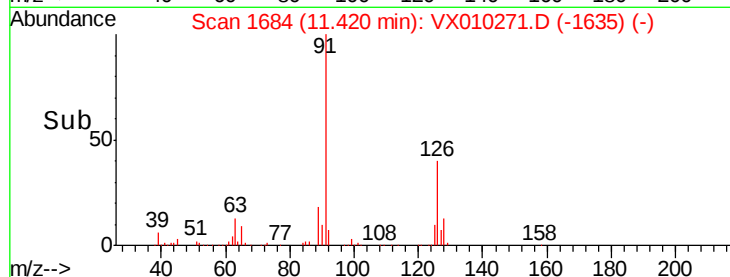
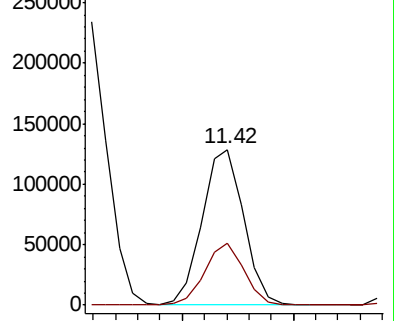
91 100

126 38.0 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.582 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010271.D

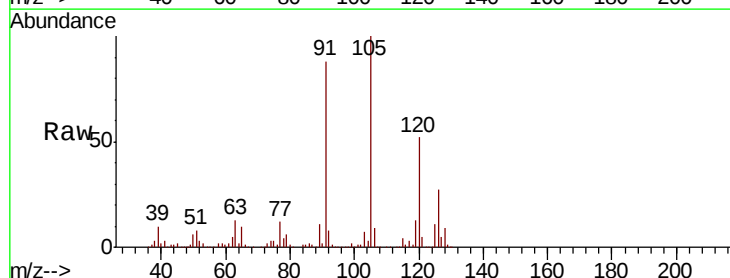
Acq: 13 Jun 2019 14:39

Tgt Ion:105 Resp: 214817

Ion Ratio Lower Upper

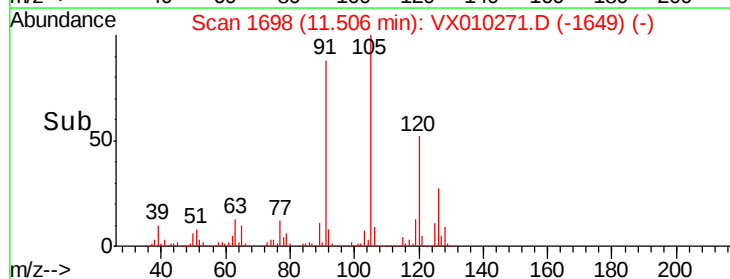
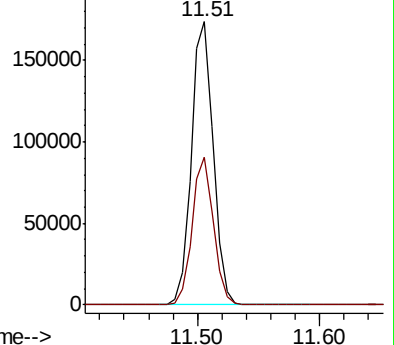
105 100

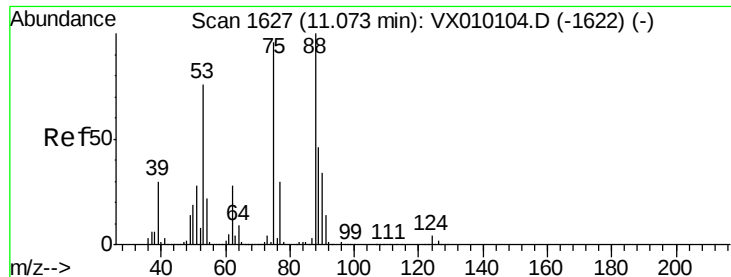
120 50.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

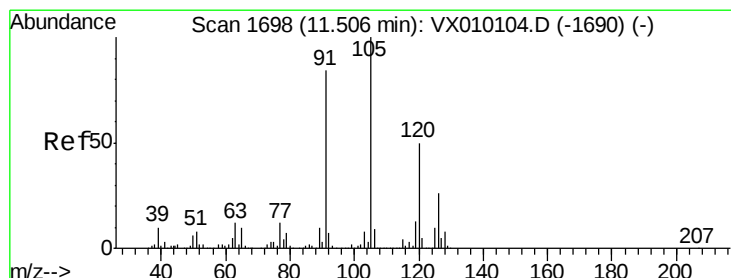
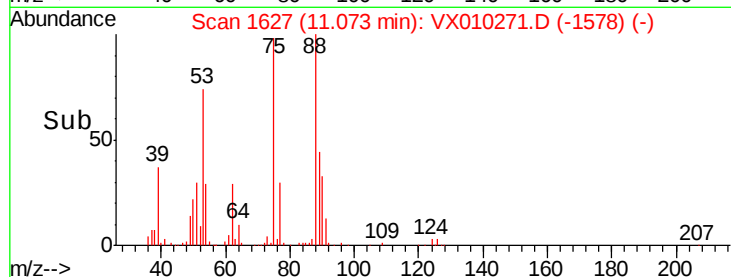
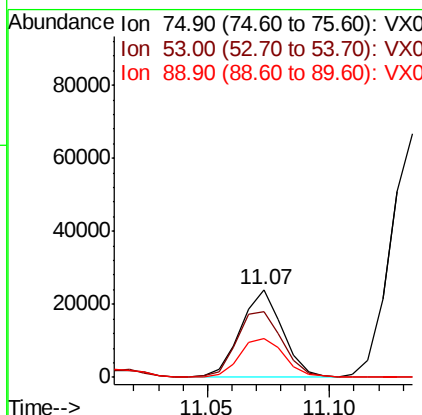
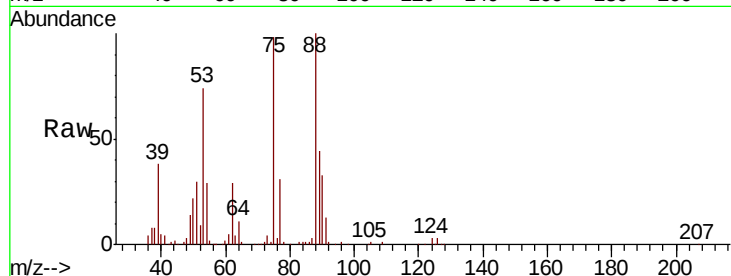




#81
trans-1,4-Dichloro-2-butene
Concen: 15.767 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

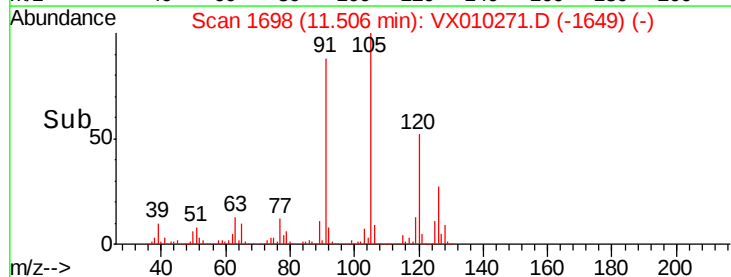
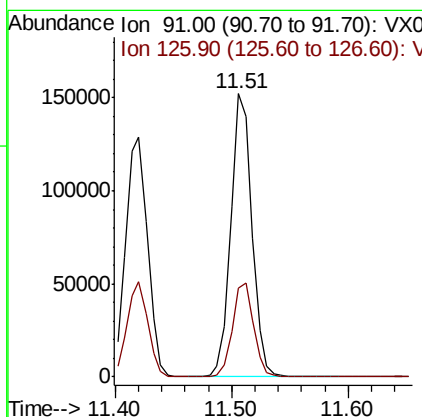
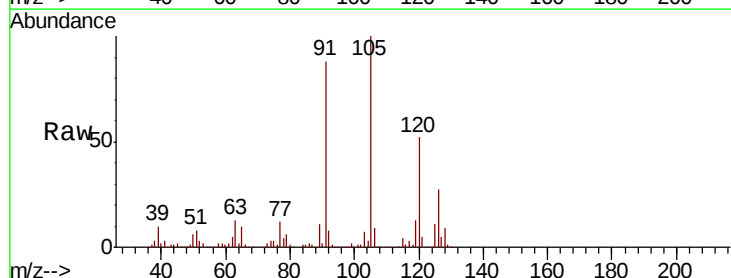
Instrument :
MSVOA_X
ClientSampleId :

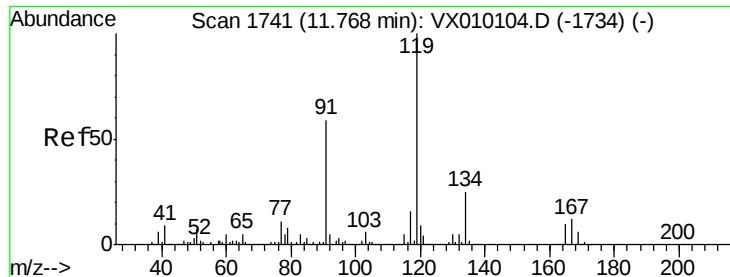
Tot Ion: 75 Resp: 28065
Ion Ratio Lower Upper
75 100
53 83.1 79.8 119.6
89 48.5 34.2 51.4



#82
4-Chlorotoluene
Concen: 18.373 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 91 Resp: 191542
Ion Ratio Lower Upper
91 100
126 33.4 14.2 42.6





#83

tert-Butylbenzene

Concen: 18.339 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

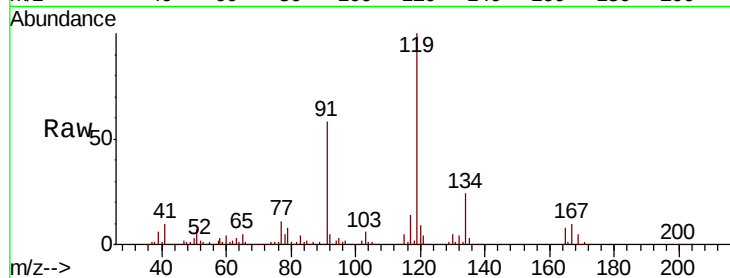
Tot Ion:119 Resp: 214577

Ion Ratio Lower Upper

119 100

91 54.8 30.0 90.0

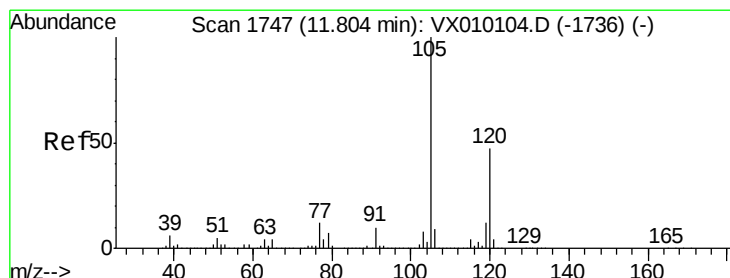
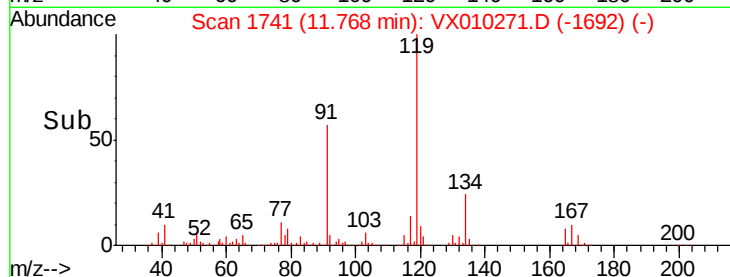
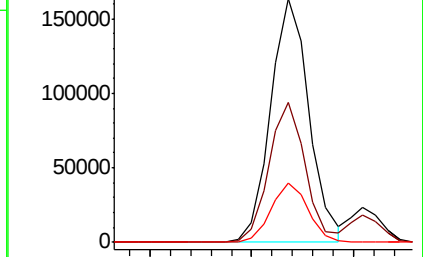
134 23.6 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.512 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010271.D

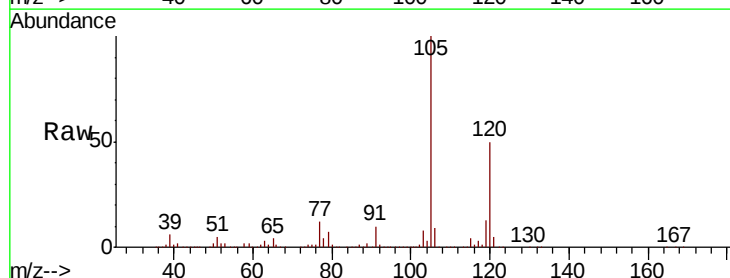
Acq: 13 Jun 2019 14:39

Tgt Ion:105 Resp: 216163

Ion Ratio Lower Upper

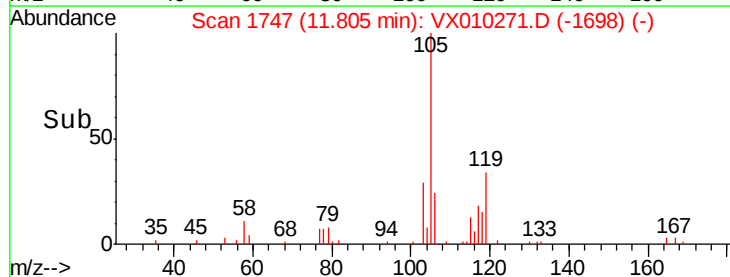
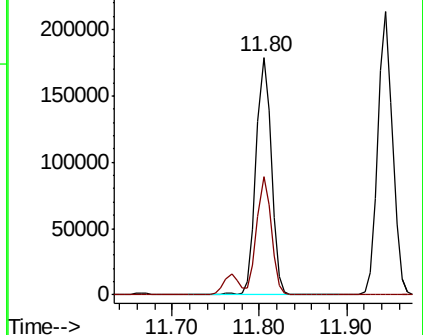
105 100

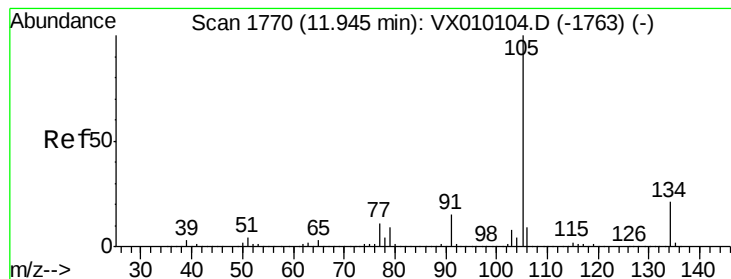
120 47.6 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.414 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

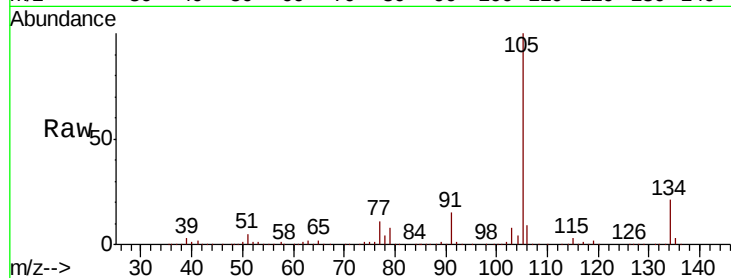
ClientSampleId :

Tot Ion:105 Resp: 251015

Ion Ratio Lower Upper

105 100

134 21.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

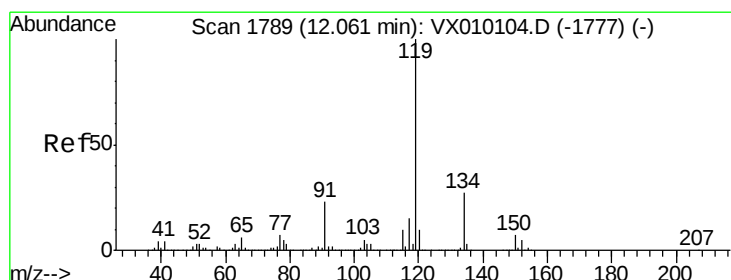
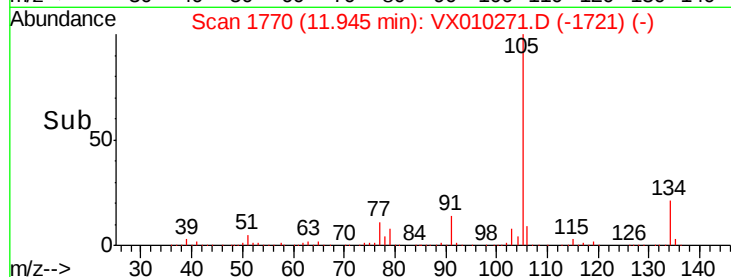
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 18.511 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

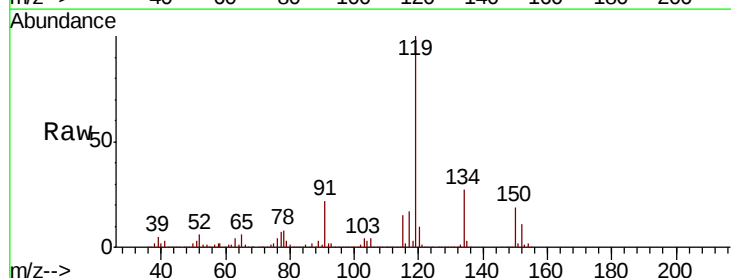
Tgt Ion:119 Resp: 230687

Ion Ratio Lower Upper

119 100

134 27.9 12.9 38.6

91 21.8 11.9 35.9



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

12.06

200000

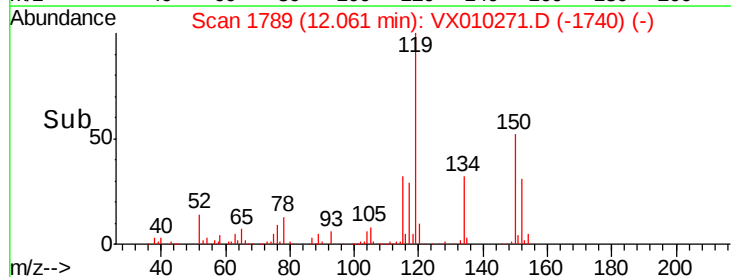
150000

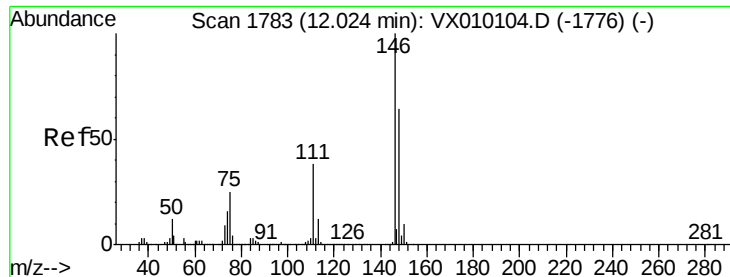
100000

50000

0

Time--> 12.00 12.10 12.20





#87

1,3-Dichlorobenzene

Concen: 18.823 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

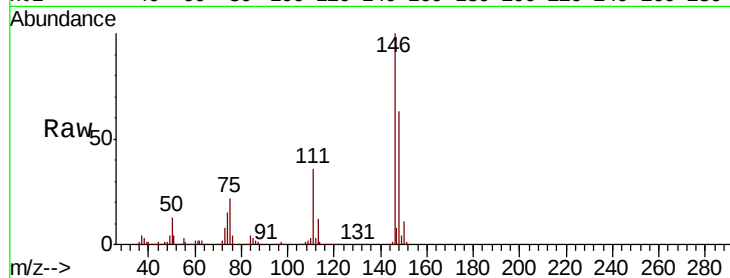
Tot Ion:146 Resp: 125139

Ion Ratio Lower Upper

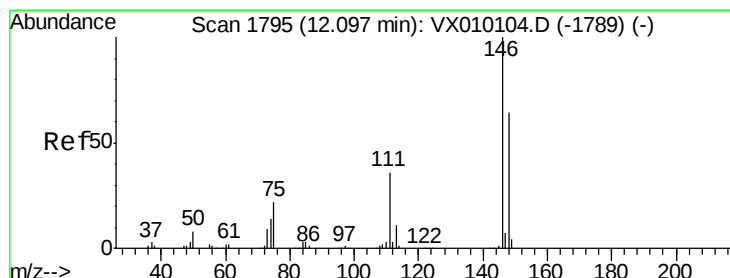
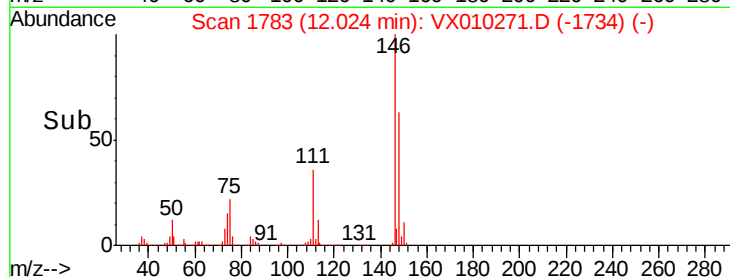
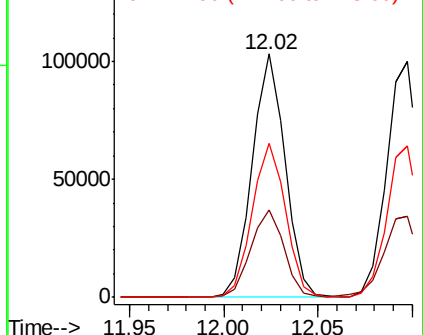
146 100

111 36.2 20.1 60.2

148 64.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.630 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

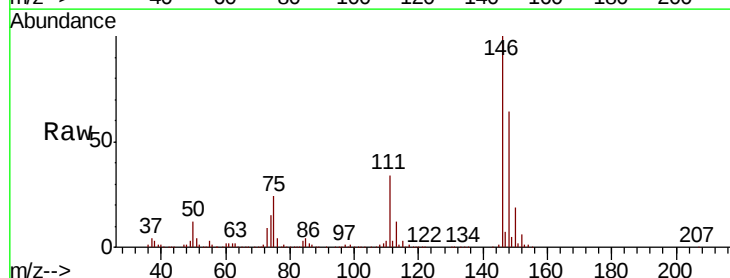
Tgt Ion:146 Resp: 124853

Ion Ratio Lower Upper

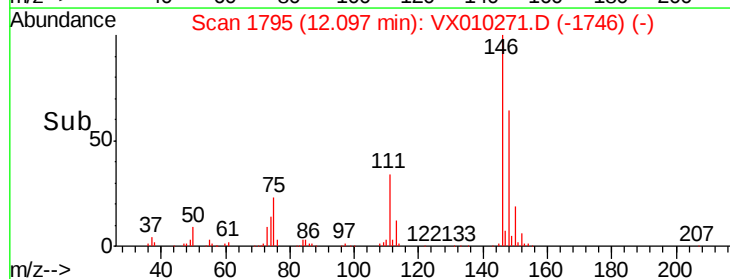
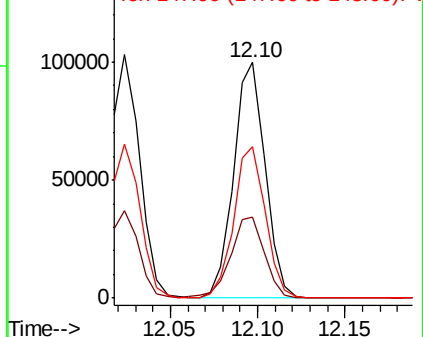
146 100

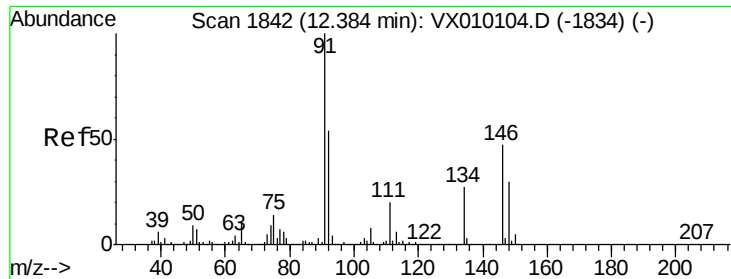
111 37.3 20.0 59.9

148 64.5 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

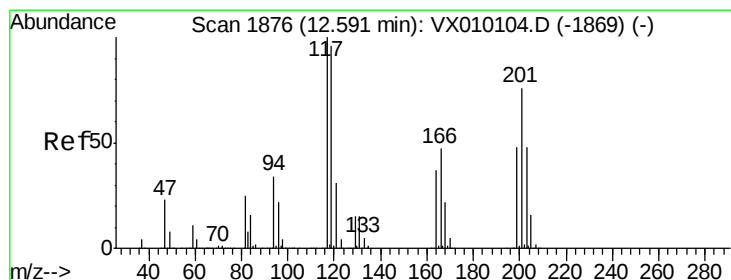
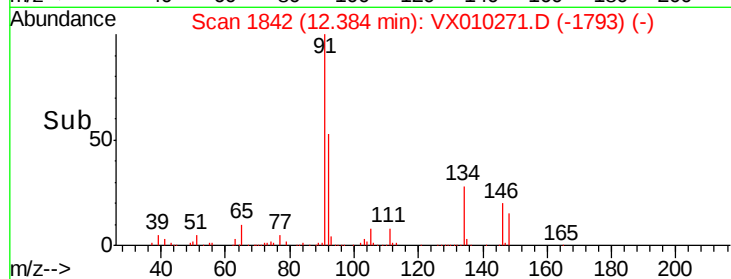
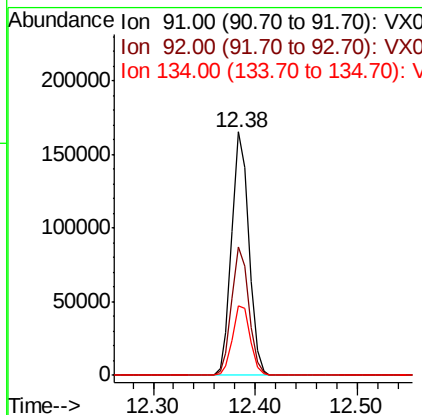
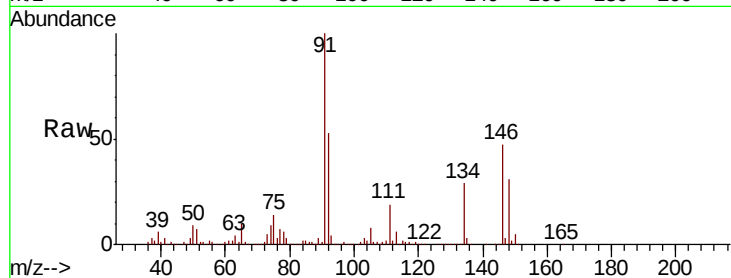




#89
n-Butylbenzene
Concen: 17.901 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

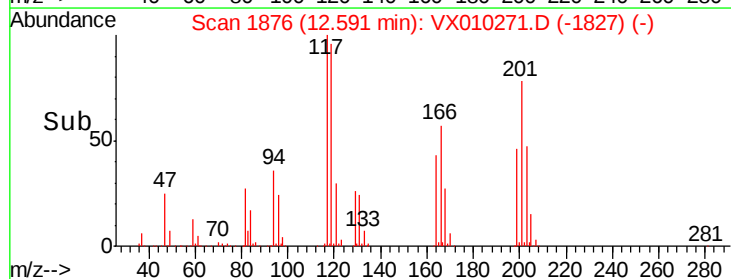
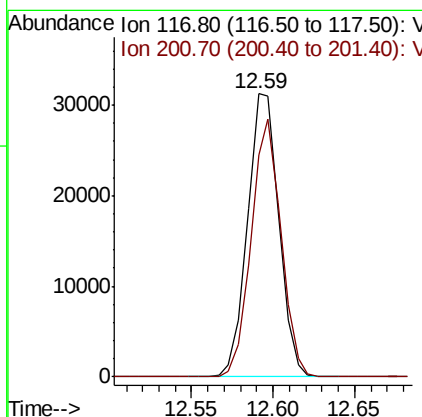
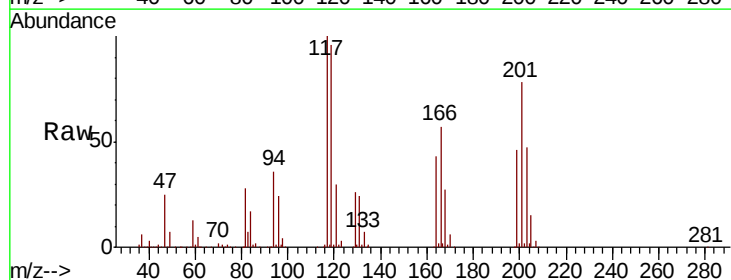
Instrument :
MSVOA_X
ClientSampled :

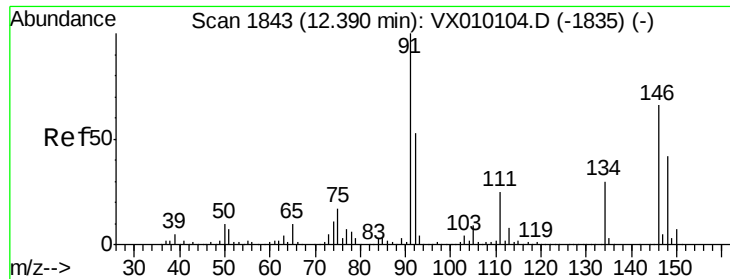
Tot Ion: 91 Resp: 192029
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.8
134 29.1 12.3 36.8



#90
Hexachloroethane
Concen: 16.926 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 117 Resp: 42018
Ion Ratio Lower Upper
117 100
201 86.4 43.6 130.9

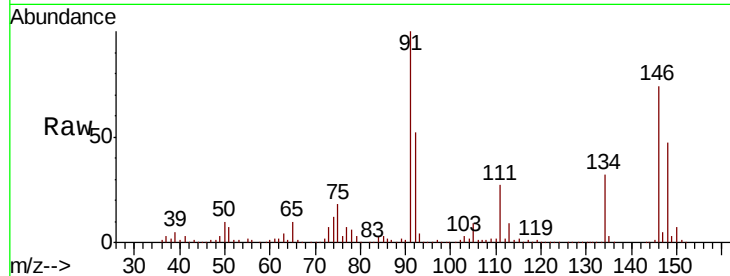




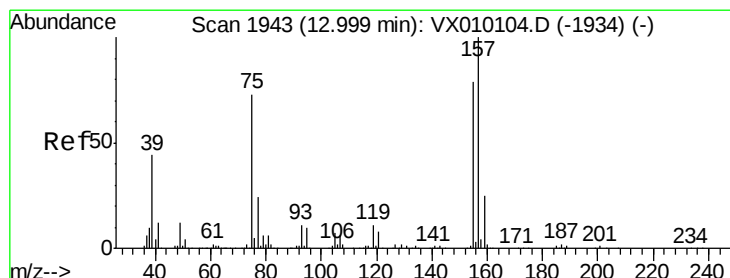
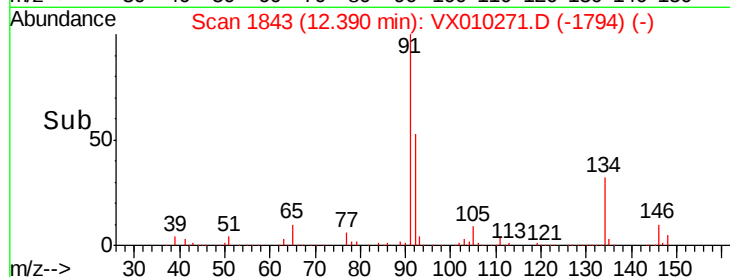
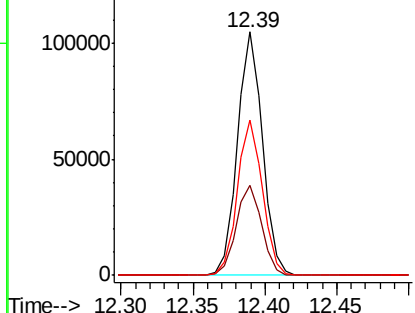
#91
 1,2-Dichlorobenzene
 Concen: 19.650 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 127004
 Ion Ratio Lower Upper
 146 100
 111 37.8 21.1 63.1
 148 63.8 32.3 96.8

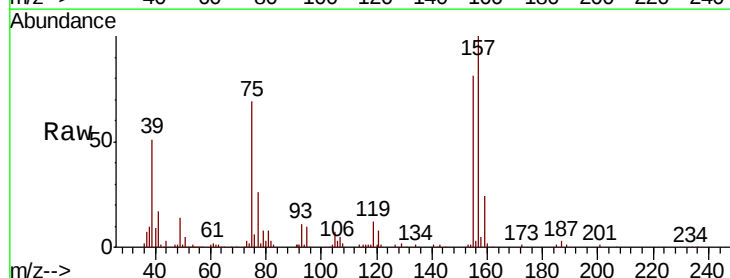


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

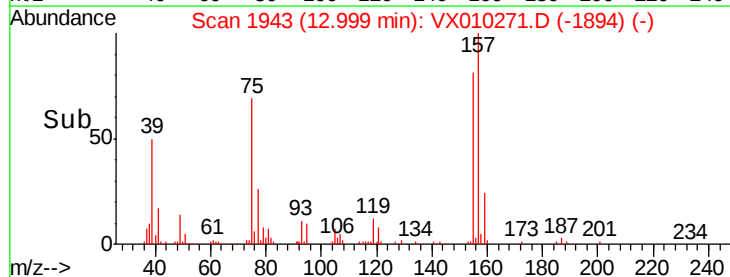
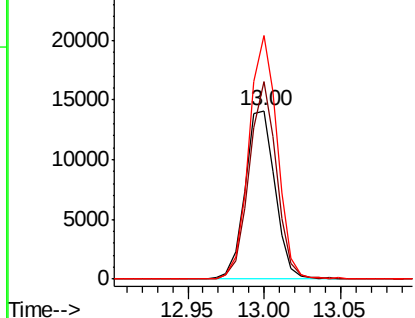


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.307 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Tgt Ion: 75 Resp: 19134
 Ion Ratio Lower Upper
 75 100
 155 106.9 39.3 117.8
 157 136.4 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.122 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

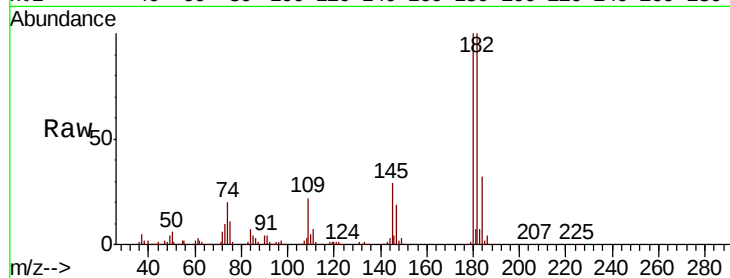
Tot Ion:180 Resp: 85739

Ion Ratio Lower Upper

180 100

182 97.5 47.4 142.2

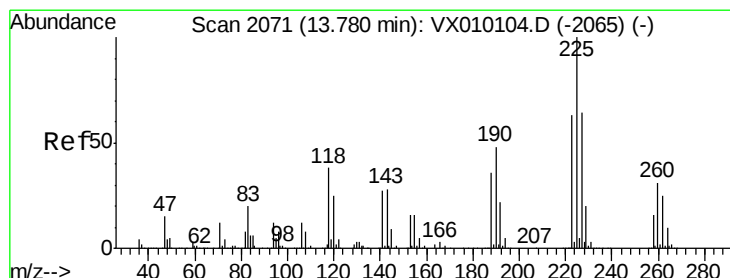
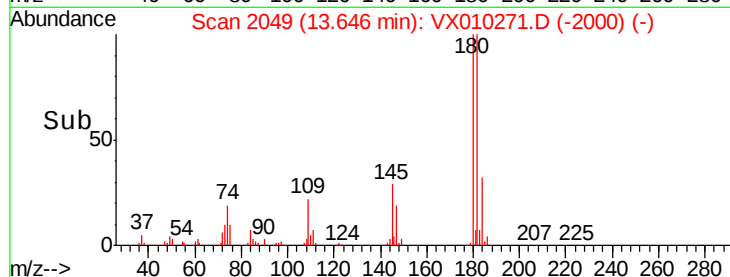
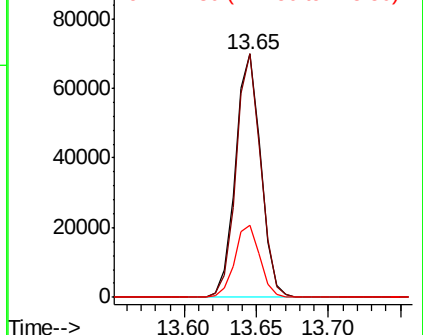
145 29.4 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.591 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

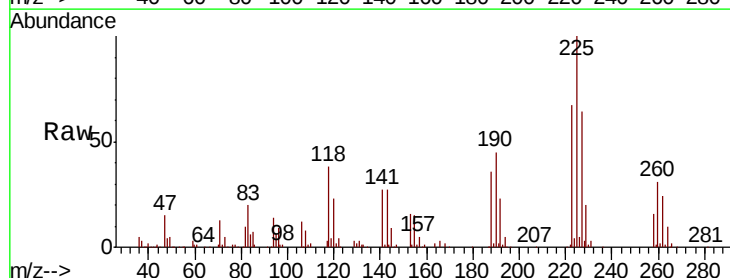
Tgt Ion:225 Resp: 41220

Ion Ratio Lower Upper

225 100

223 64.4 31.3 93.8

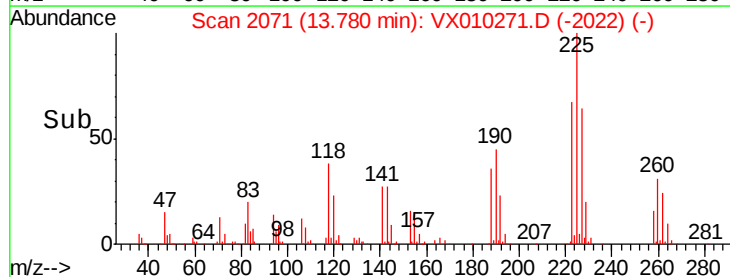
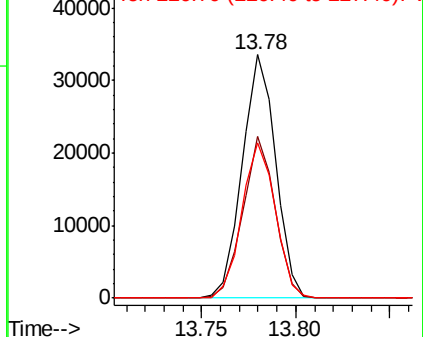
227 64.1 32.3 96.8

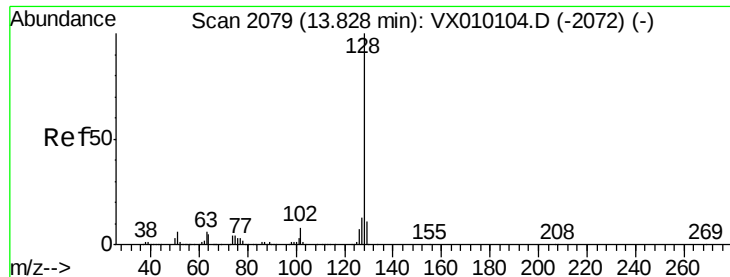


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.689 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

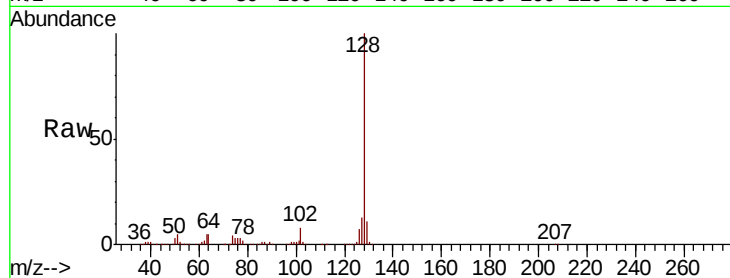
Tot Ion:128 Resp: 278331

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

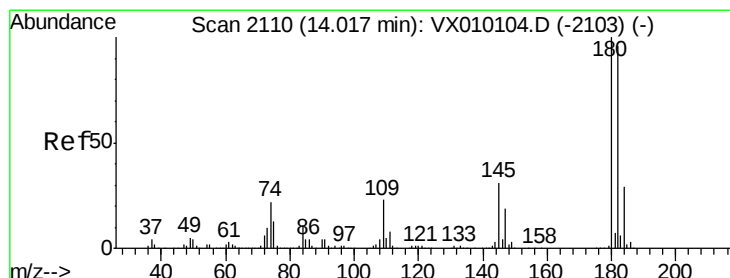
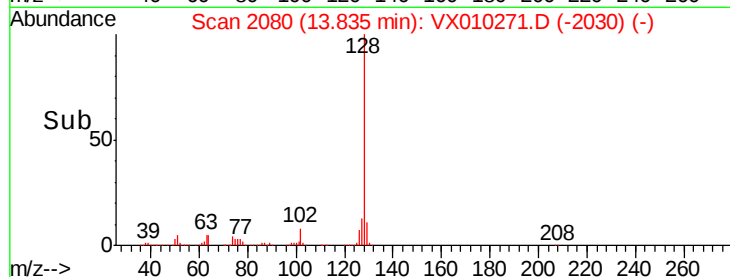
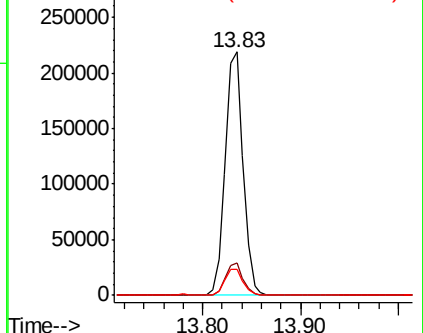
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.890 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

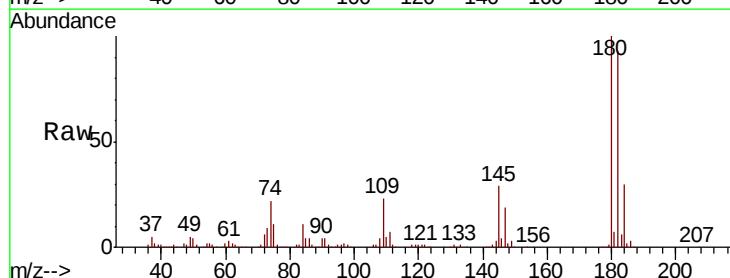
Tgt Ion:180 Resp: 88365

Ion Ratio Lower Upper

180 100

182 95.6 47.3 142.0

145 29.5 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

