

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072319\
 Data File : VX011049.D
 Acq On : 23 Jul 2019 10:55
 Operator : JC/SP
 Sample : K3591-09 0.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 04:59:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	216324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	322598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	140874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110907	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	5.49	113	97402	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	8.71	98	365527	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.13	95	129625	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	664	0.831	ug/l	99
3) Chloromethane	1.33	50	1062	0.534	ug/l	99
4) Vinyl Chloride	1.41	62	824	0.406	ug/l #	70
5) Bromomethane	1.64	94	1049	0.917	ug/l	94
6) Chloroethane	1.73	64	2108	1.635	ug/l #	65
7) Trichlorofluoromethane	1.93	101	1619	0.471	ug/l	88
8) Diethyl Ether	2.19	74	860	0.727	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	2.39	101	998	0.509	ug/l	95
10) Methyl Iodide	2.51	142	1181	0.459	ug/l #	88
11) Tert butyl alcohol	3.01	59	6584	12.284	ug/l #	84
12) 1,1-Dichloroethene	2.37	96	904	0.469	ug/l #	80
13) Acrolein	2.29	56	763	2.464	ug/l #	59
14) Allyl chloride	2.73	41	1212	0.433	ug/l #	88
15) Acrylonitrile	3.14	53	2779	2.566	ug/l	90
16) Acetone	2.44	43	3076	2.959	ug/l	100
17) Carbon Disulfide	2.57	76	2289	0.463	ug/l	99
18) Methyl Acetate	2.78	43	2124	0.897	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	3090	0.498	ug/l	98
20) Methylene Chloride	2.86	84	1522	0.691	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	995	0.487	ug/l	91
22) Diisopropyl ether	3.85	45	3054	0.517	ug/l #	80
23) Vinyl Acetate	3.82	43	9651	1.930	ug/l	99
24) 1,1-Dichloroethane	3.69	63	1797	0.524	ug/l #	92
25) 2-Butanone	4.68	43	4109	2.754	ug/l	97
26) 2,2-Dichloropropane	4.58	77	1299	0.461	ug/l	88
27) cis-1,2-Dichloroethene	4.59	96	623	0.263	ug/l #	1
28) Bromochloromethane	5.02	49	1026	0.635	ug/l #	73
29) Tetrahydrofuran	5.15	42	2381	2.519	ug/l #	86
30) Chloroform	5.21	83	2567	0.693	ug/l	89
31) Cyclohexane	5.58	56	1509	0.483	ug/l #	65
32) 1,1,1-Trichloroethane	5.49	97	1635	0.510	ug/l #	36
36) 1,1-Dichloropropene	5.79	75	1528	0.577	ug/l	94
37) Ethyl Acetate	4.83	43	1266	0.467	ug/l #	86
38) Carbon Tetrachloride	5.79	117	1376	0.498	ug/l #	77

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Quant Time: Jul 24 04:59:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1642	0.478	ug/l	92
40) Benzene	6.14	78	4183	0.515	ug/l	100
41) Methacrylonitrile	5.05	41	1050	0.682	ug/l #	80
42) 1,2-Dichloroethane	6.19	62	1630	0.578	ug/l	93
43) Isopropyl Acetate	6.45	43	1900	0.426	ug/l #	67
44) Trichloroethene	7.21	130	1180	0.491	ug/l	82
45) 1,2-Dichloropropane	7.51	63	1211	0.586	ug/l	91
46) Dibromomethane	7.66	93	784	0.531	ug/l	96
47) Bromodichloromethane	7.90	83	1248	0.475	ug/l #	79
48) Methyl methacrylate	7.77	41	1173	0.540	ug/l #	74
49) 1,4-Dioxane	7.76	88	608	10.000	ug/l #	57
51) 4-Methyl-2-Pentanone	8.64	43	6503	2.248	ug/l	98
52) Toluene	8.79	92	2558	0.480	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1124	0.398	ug/l #	85
54) cis-1,3-Dichloropropene	8.44	75	1260	0.401	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	1085	0.494	ug/l	94
56) Ethyl methacrylate	9.18	69	1550	0.483	ug/l #	87
57) 1,3-Dichloropropane	9.37	76	1764	0.506	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	3235	2.110	ug/l	94
59) 2-Hexanone	9.49	43	4825	2.151	ug/l	93
60) Dibromochloromethane	9.58	129	957	2.887	ug/l	100
61) 1,2-Dibromoethane	9.67	107	1002	0.430	ug/l	85
64) Tetrachloroethene	9.33	164	1389	0.619	ug/l #	76
65) Chlorobenzene	10.14	112	2911	0.497	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	1007	0.489	ug/l #	62
67) Ethyl Benzene	10.25	91	4884	0.490	ug/l	99
68) m/p-Xylenes	10.36	106	3598	0.941	ug/l	95
69) o-Xylene	10.69	106	1782	0.477	ug/l	98
70) Styrene	10.71	104	2609	0.419	ug/l	95
71) Bromoform	10.85	173	686	2.897	ug/l #	90
73) Isopropylbenzene	11.02	105	4673	0.491	ug/l	98
74) N-amyl acetate	10.90	43	1436	0.395	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.26	83	1457	0.468	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	65141	25.624	ug/l #	35
77) Bromobenzene	11.26	156	1359	0.518	ug/l	94
78) n-propylbenzene	11.36	91	4924	0.468	ug/l	94
79) 2-Chlorotoluene	11.42	91	3251	0.515	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	3661	0.460	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	65141	63.733	ug/l #	11
82) 4-Chlorotoluene	11.51	91	3522	0.479	ug/l	96
83) tert-Butylbenzene	11.76	119	3797	0.486	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	3846	0.480	ug/l	100
85) sec-Butylbenzene	11.94	105	4059	0.443	ug/l	96
86) p-Isopropyltoluene	12.06	119	3540	0.418	ug/l #	75
87) 1,3-Dichlorobenzene	12.02	146	2484	0.545	ug/l	100
88) 1,4-Dichlorobenzene	12.02	146	2484	0.532	ug/l	99
89) n-Butylbenzene	12.38	91	3010	0.416	ug/l	96
90) Hexachloroethane	12.60	117	548	0.411	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	2294	0.508	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	324	0.498	ug/l	75

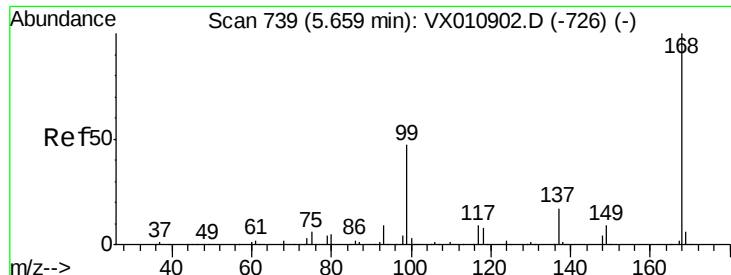
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072319\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1730	0.565	ug/l	87
94) Hexachlorobutadiene	13.78	225	782	0.516	ug/l	96
95) Naphthalene	13.83	128	3903	0.432	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.02	180	1643	0.540	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

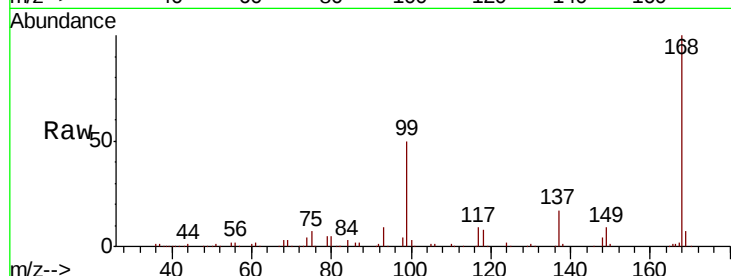
ClientSampled :

Tot Ion:168 Resp: 216324

Ion Ratio Lower Upper

168 100

99 50.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

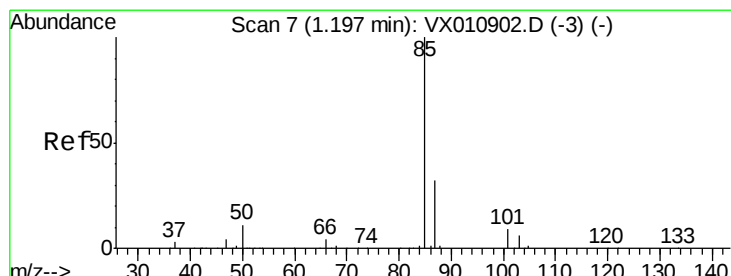
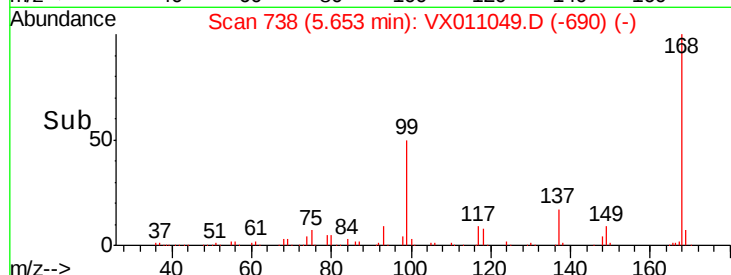
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.831 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011049.D

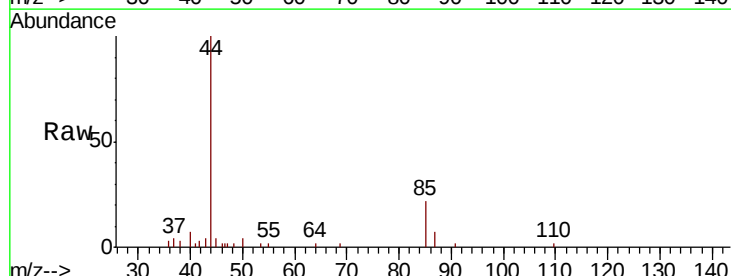
Acq: 23 Jul 2019 10:55

Tgt Ion: 85 Resp: 664

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

800

600

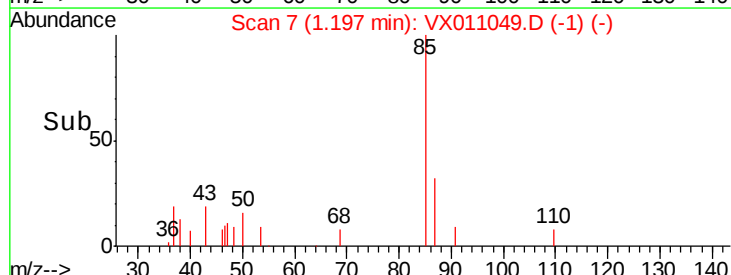
400

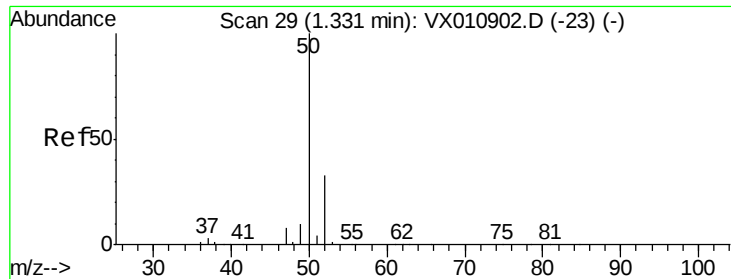
200

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 0.534 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

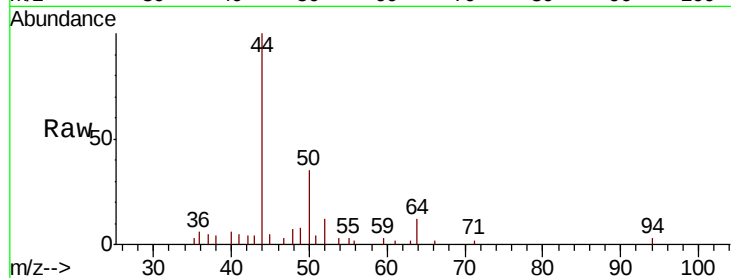
ClientSampleId :

Tot Ion: 50 Resp: 1062

Ion Ratio Lower Upper

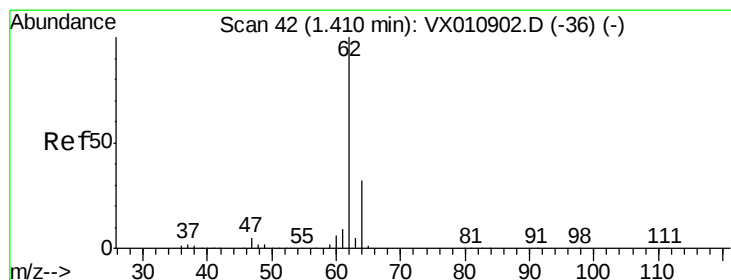
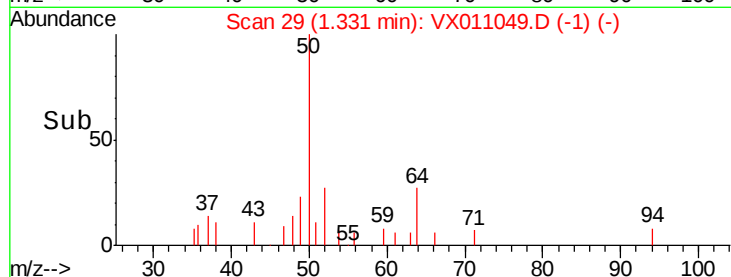
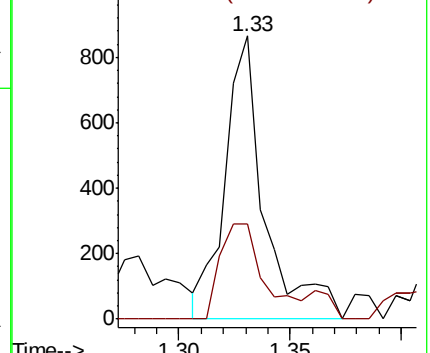
50 100

52 33.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.406 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011049.D

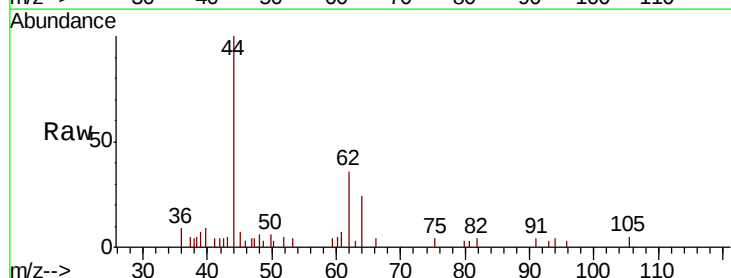
Acq: 23 Jul 2019 10:55

Tgt Ion: 62 Resp: 824

Ion Ratio Lower Upper

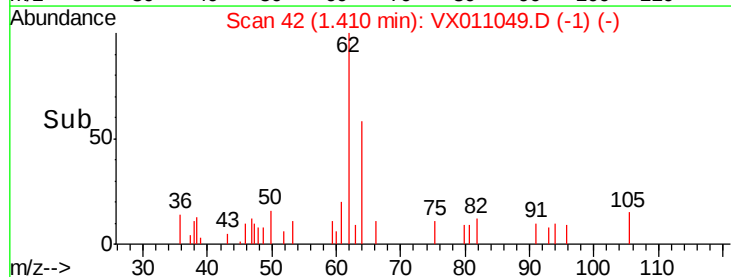
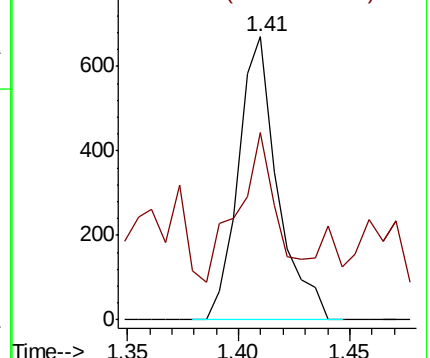
62 100

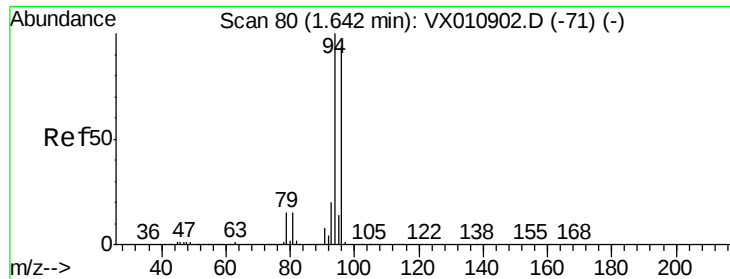
64 49.1 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.917 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

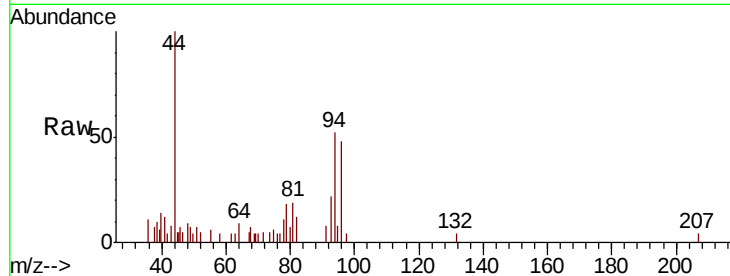
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 1049

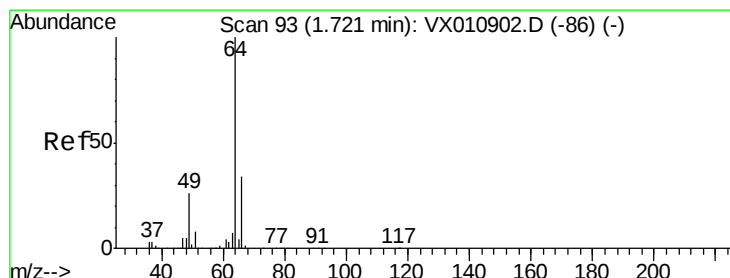
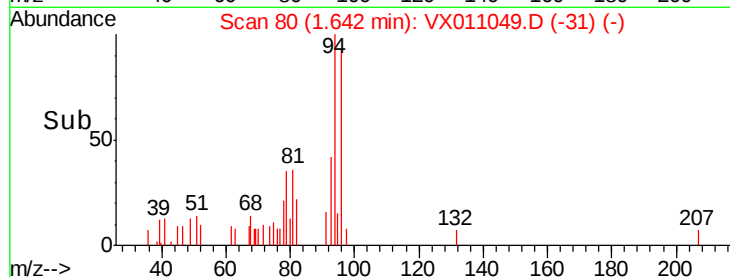
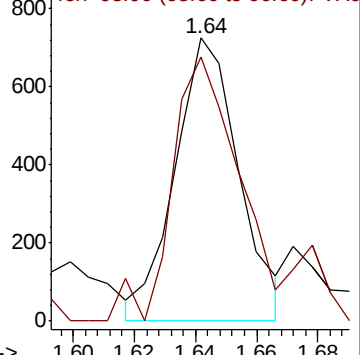
Ion Ratio Lower Upper

94 100

96 88.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.635 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX011049.D

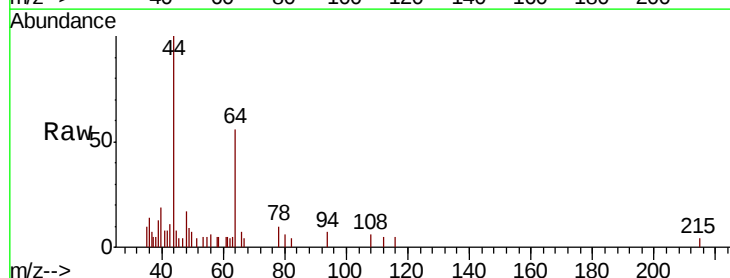
Acq: 23 Jul 2019 10:55

Tgt Ion: 64 Resp: 2108

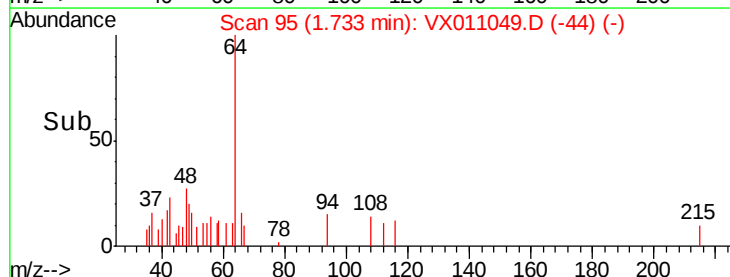
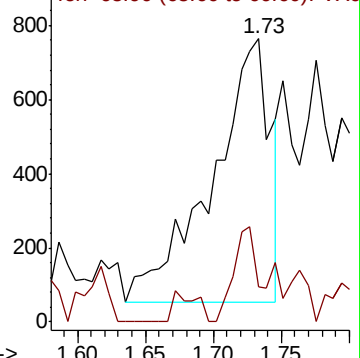
Ion Ratio Lower Upper

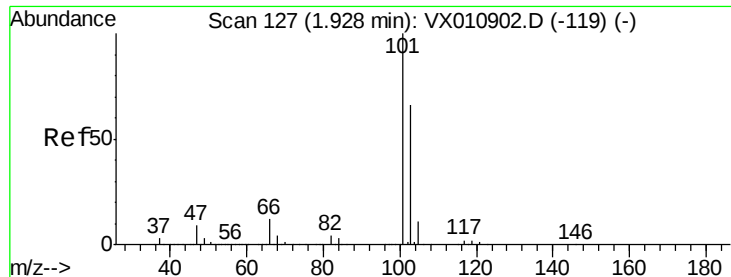
64 100

66 13.5 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



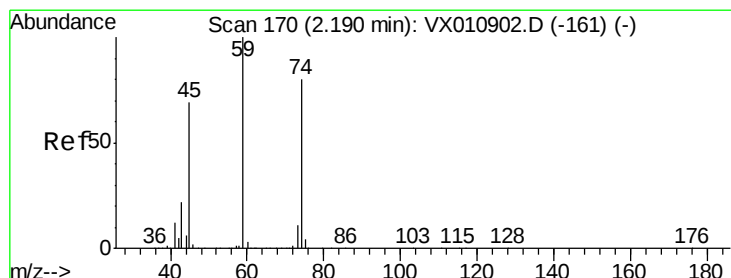
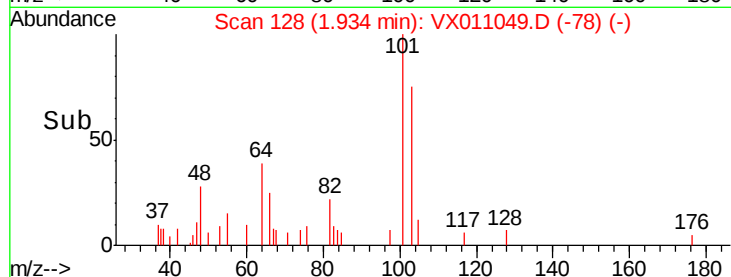
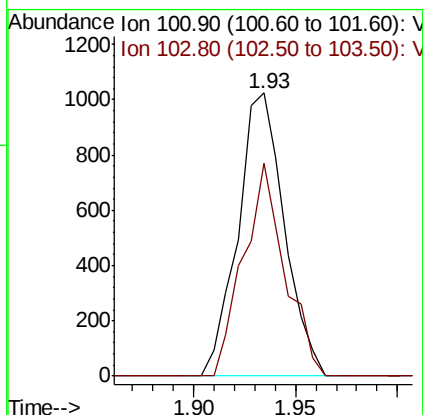
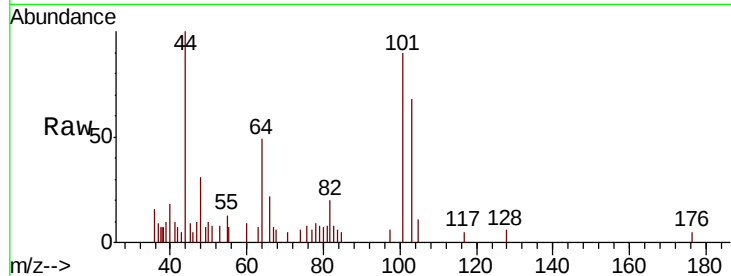


#7

Trichlorofluoromethane
Concen: 0.471 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :

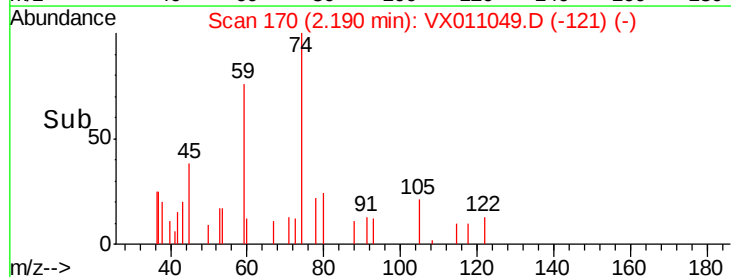
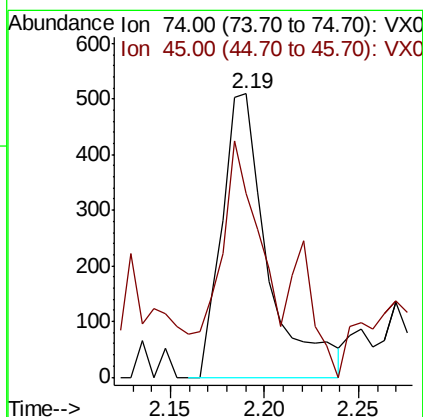
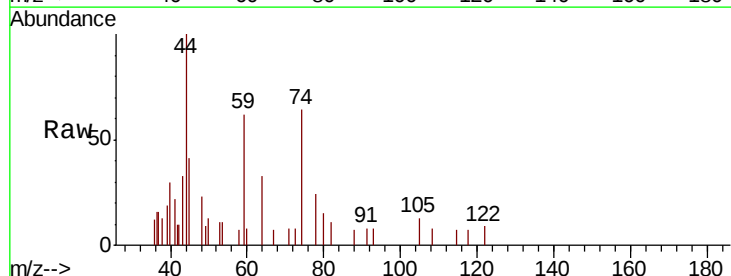
Tot Ion:101 Resp: 1619
Ion Ratio Lower Upper
101 100
103 75.4 52.6 78.8

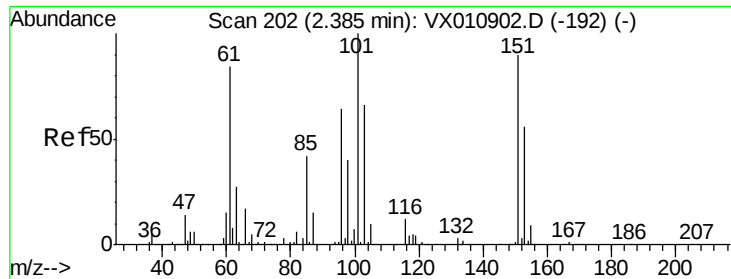


#8

Diethyl Ether
Concen: 0.727 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion: 74 Resp: 860
Ion Ratio Lower Upper
74 100
45 48.8 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.509 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

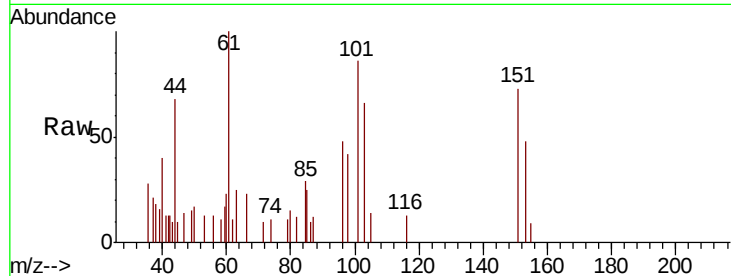
Tot Ion:101 Resp: 998

Ion Ratio Lower Upper

101 100

85 44.7 34.6 52.0

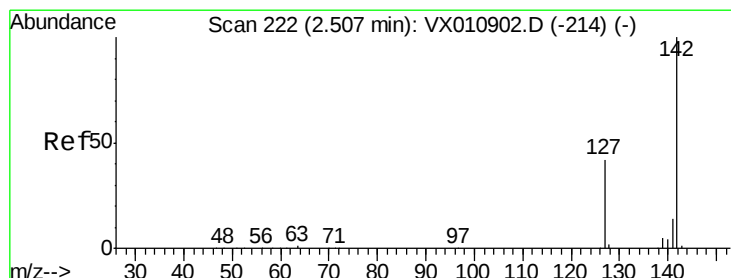
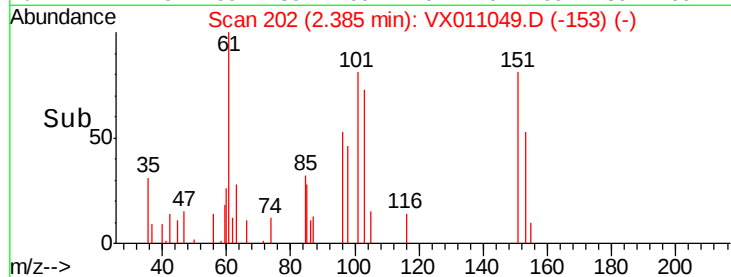
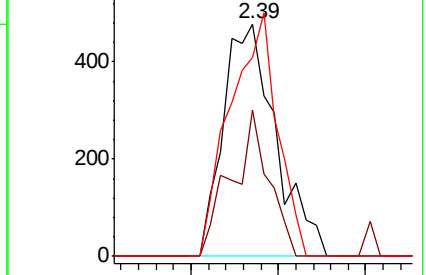
151 93.6 69.6 104.4



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: 0.459 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

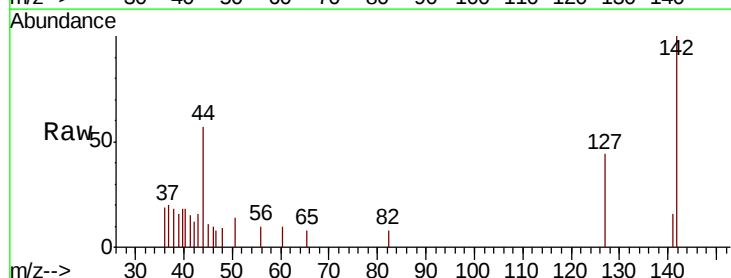
Tgt Ion:142 Resp: 1181

Ion Ratio Lower Upper

142 100

127 51.5 34.2 51.4#

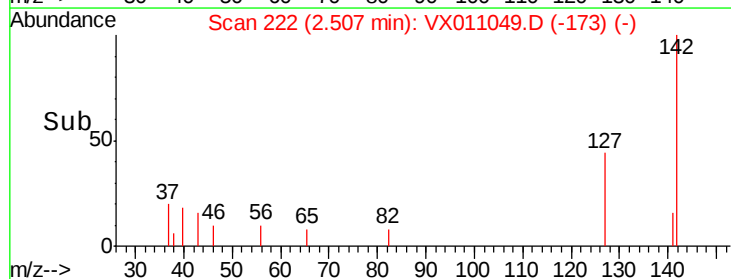
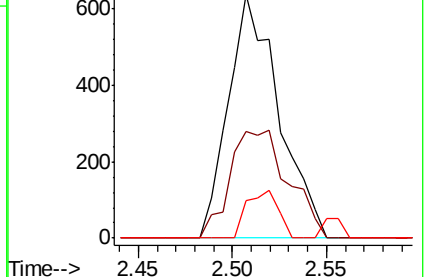
141 12.1 11.7 17.5

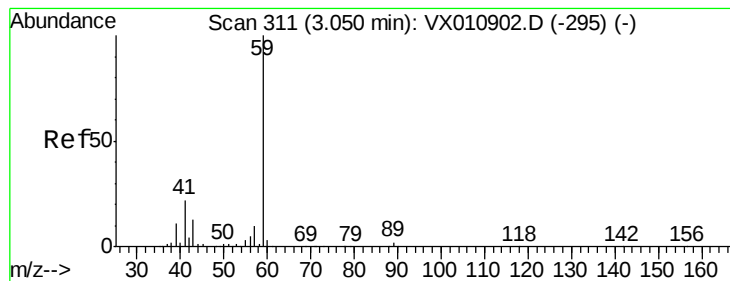


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



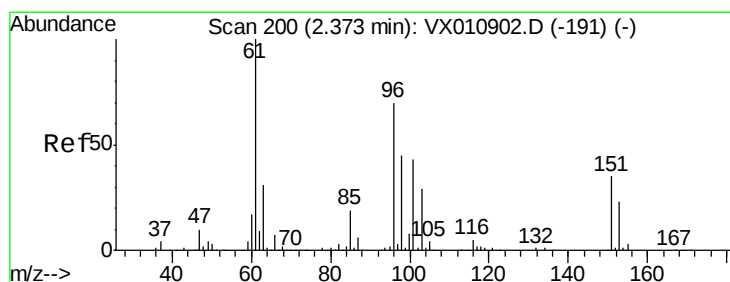
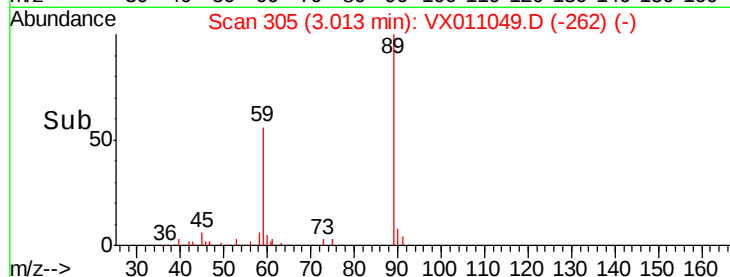
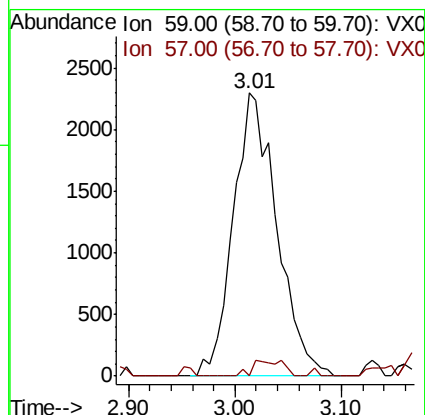
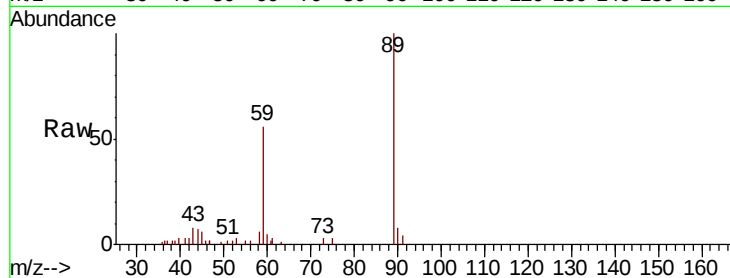


#11

Tert butyl alcohol
 Concen: 12.284 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX011049.D
 Acq: 23 Jul 2019 10:55

Instrument :
 MSVOA_X
 ClientSampled :

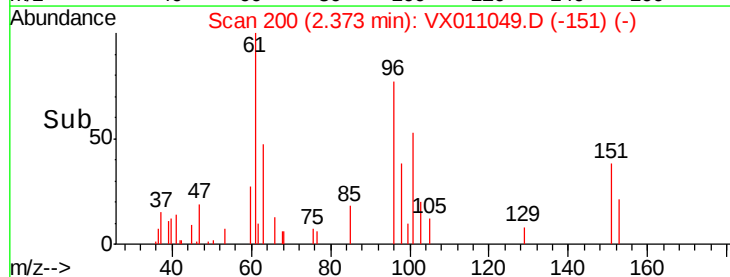
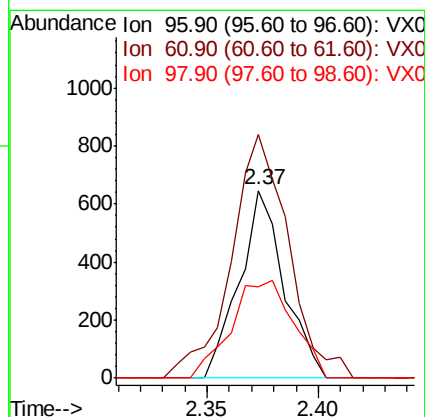
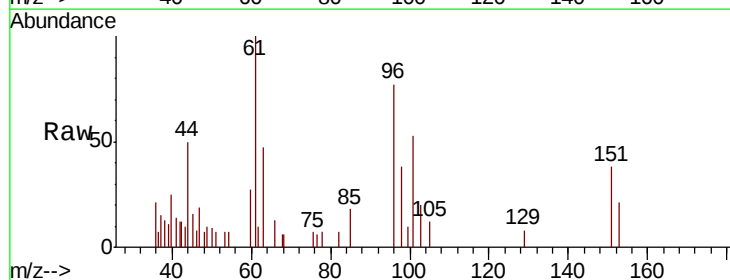
Tot Ion: 59 Resp: 6584
 Ion Ratio Lower Upper
 59 100
 57 3.9 7.9 11.9#

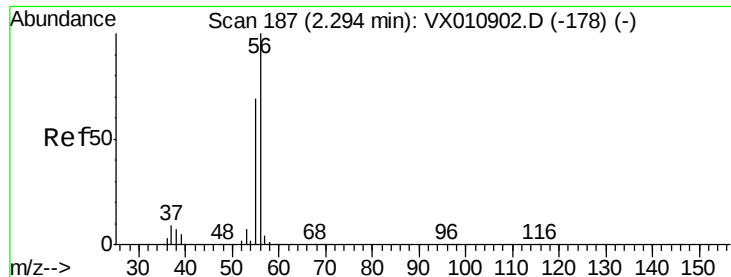


#12

1,1-Dichloroethene
 Concen: 0.469 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX011049.D
 Acq: 23 Jul 2019 10:55

Tgt Ion: 96 Resp: 904
 Ion Ratio Lower Upper
 96 100
 61 118.7 115.0 172.4
 98 48.8 52.2 78.2#





#13

Acrolein

Concen: 2.464 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

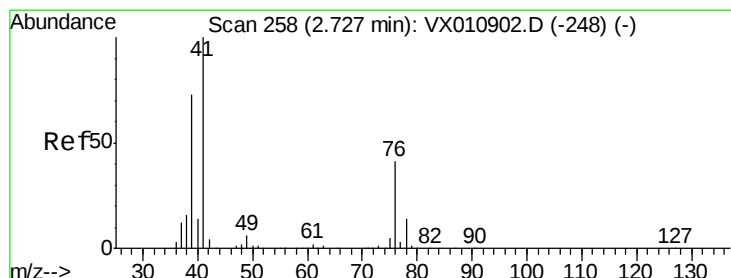
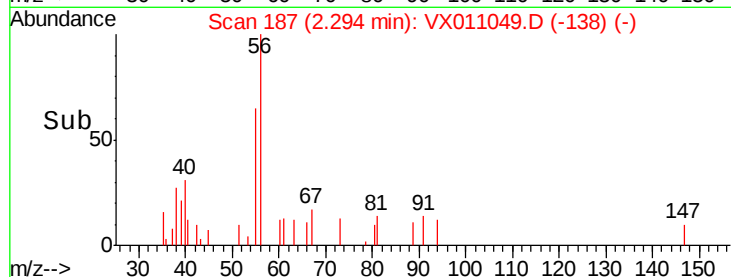
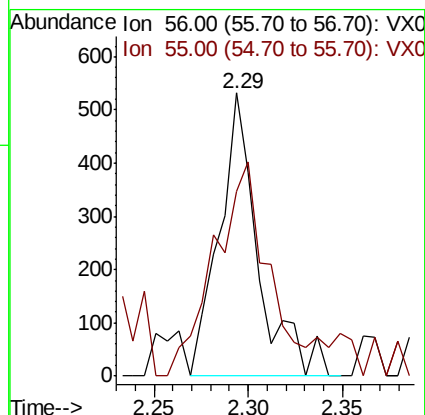
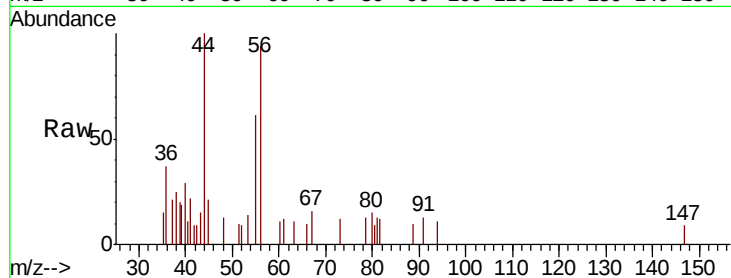
ClientSampled :

Tot Ion: 56 Resp: 763

Ion Ratio Lower Upper

56 100

55 103.1 55.9 83.9#



#14

Allyl chloride

Concen: 0.433 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

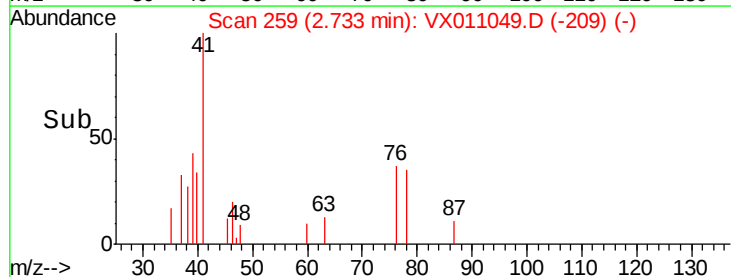
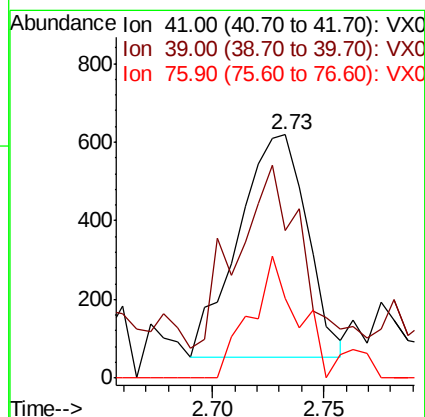
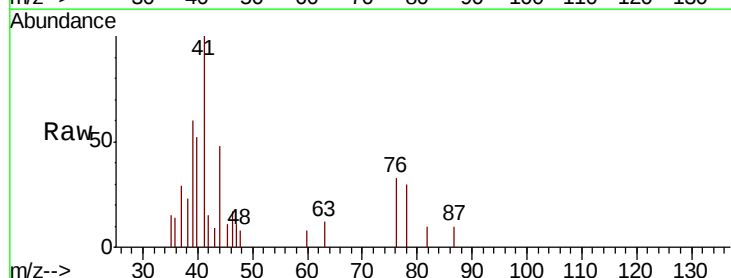
Tgt Ion: 41 Resp: 1212

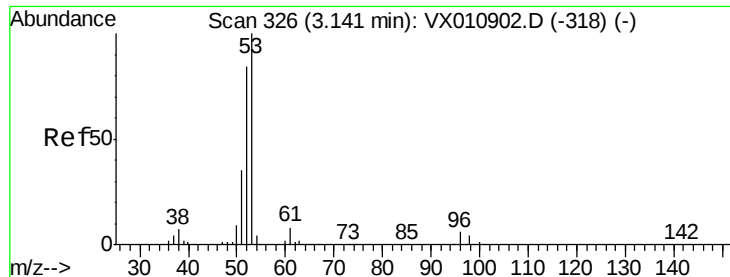
Ion Ratio Lower Upper

41 100

39 80.9 53.6 80.4#

76 38.8 29.7 44.5





#15

Acrylonitrile

Concen: 2.566 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

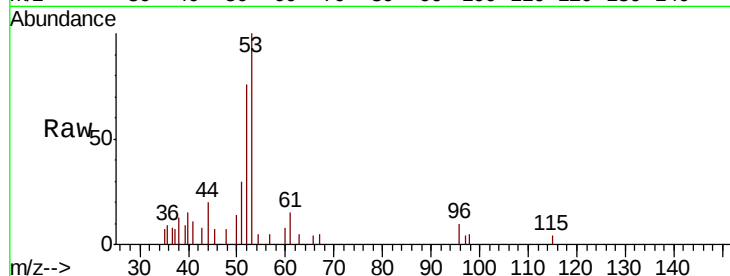
Tot Ion: 53 Resp: 2779

Ion Ratio Lower Upper

53 100

52 93.3 66.5 99.7

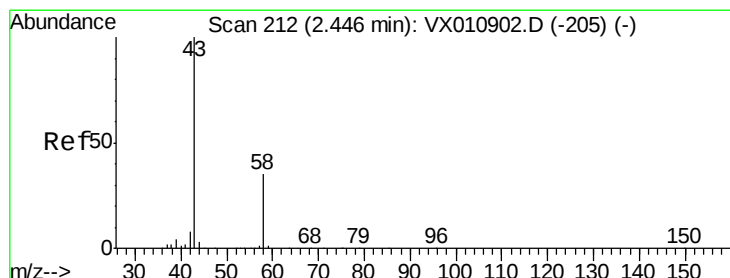
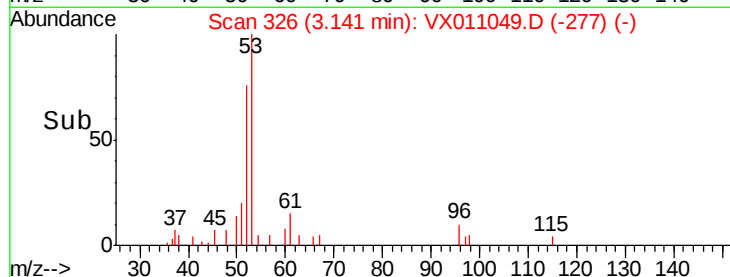
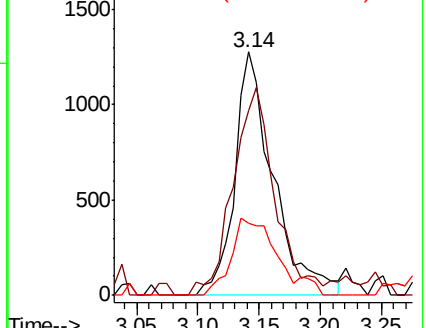
51 38.4 28.2 42.4



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: 2.959 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011049.D

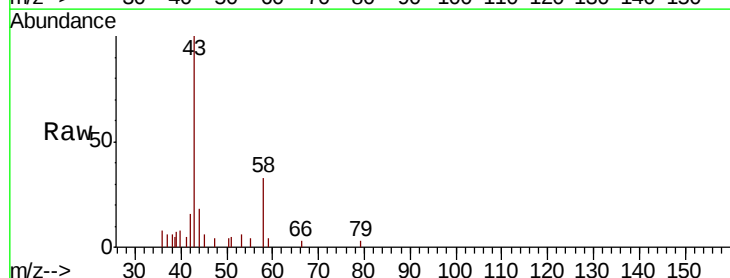
Acq: 23 Jul 2019 10:55

Tgt Ion: 43 Resp: 3076

Ion Ratio Lower Upper

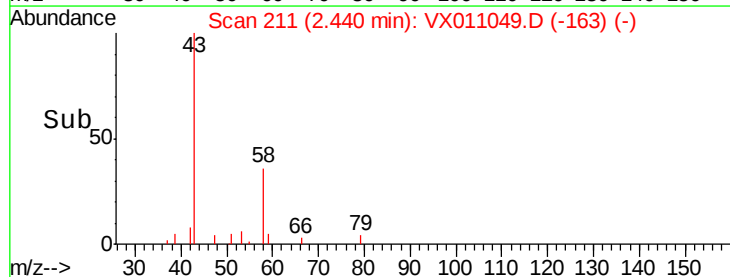
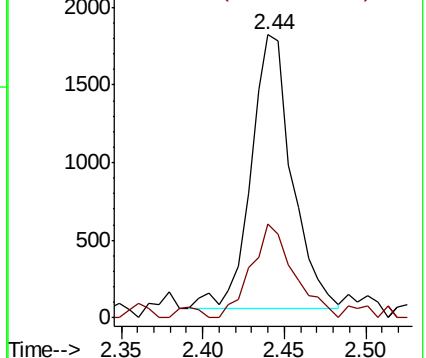
43 100

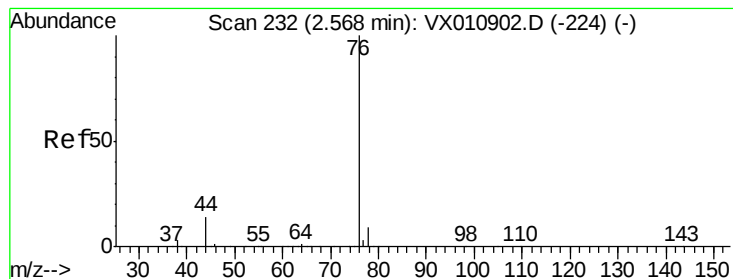
58 34.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.463 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

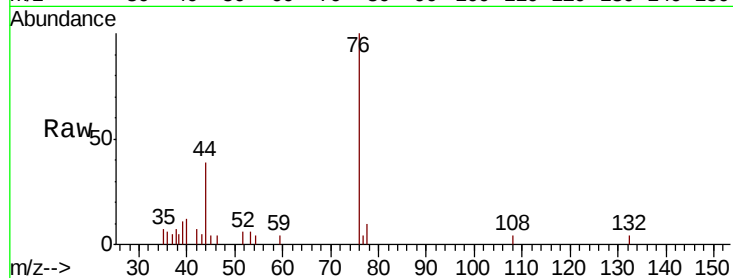
ClientSampleId :

Tot Ion: 76 Resp: 2289

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

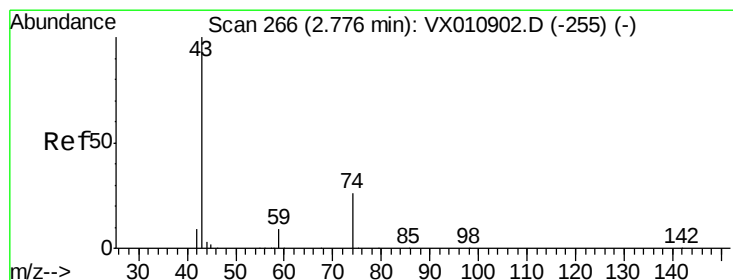
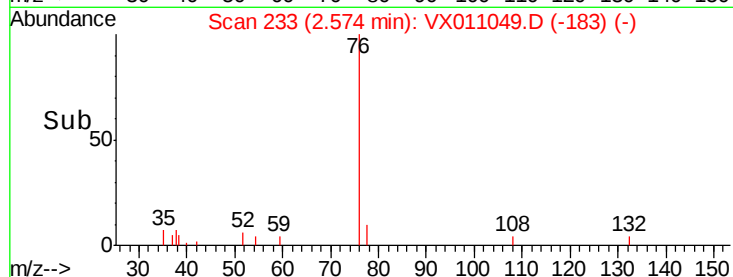
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.897 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX011049.D

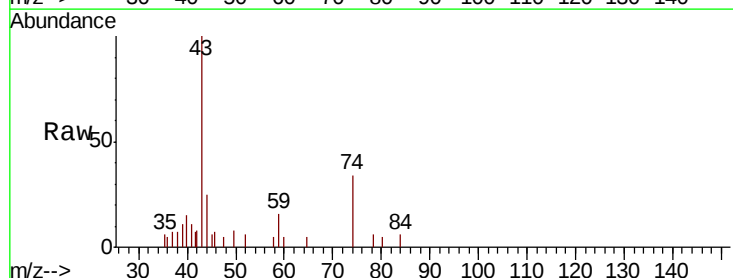
Acq: 23 Jul 2019 10:55

Tgt Ion: 43 Resp: 2124

Ion Ratio Lower Upper

43 100

74 27.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

1200

1000

800

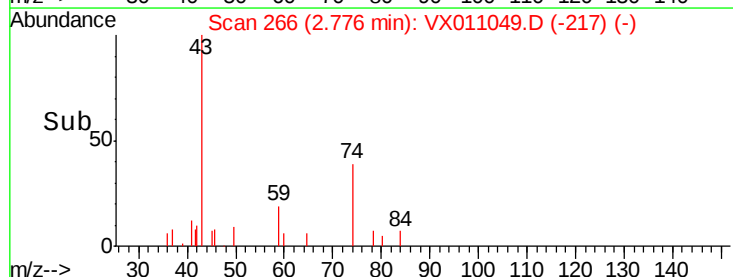
600

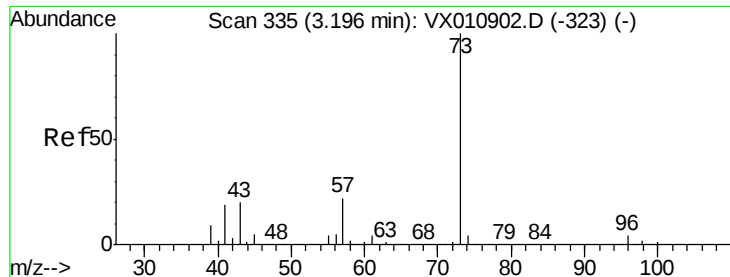
400

200

0

Time-->

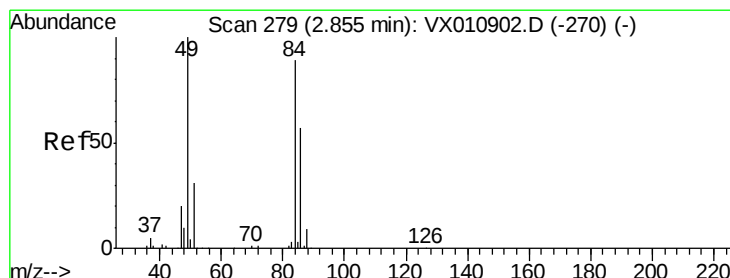
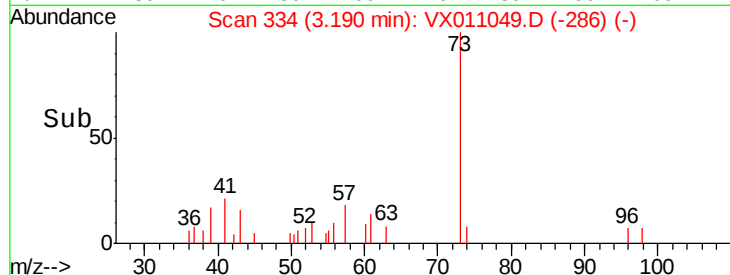
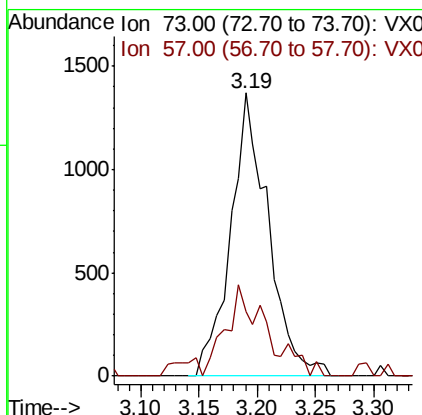
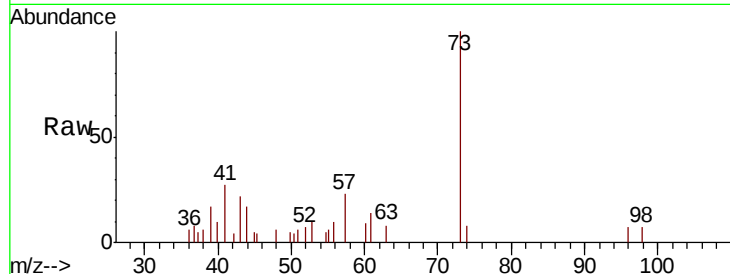




#19
Methyl tert-butyl Ether
Concen: 0.498 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

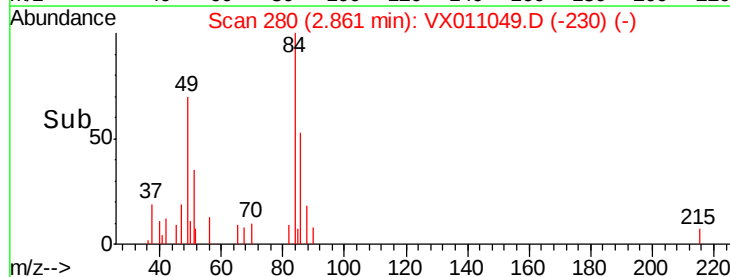
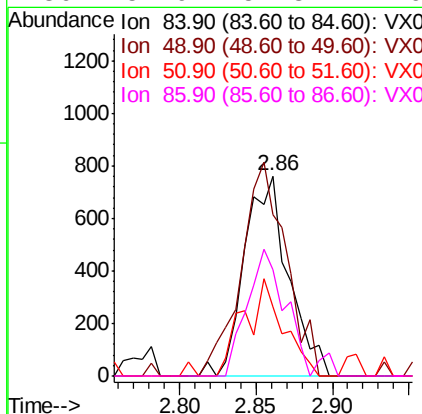
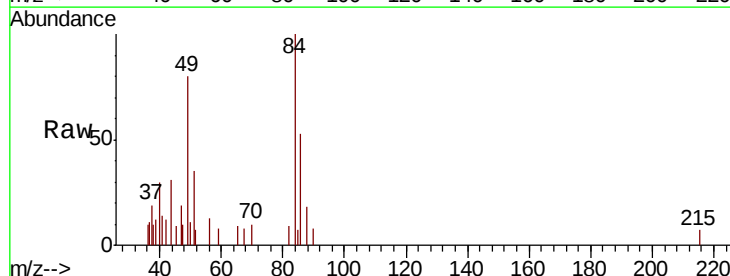
Instrument :
MSVOA_X
ClientSampleId :

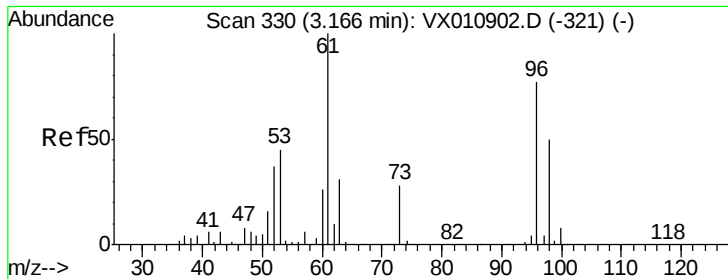
Tot Ion: 73 Resp: 3090
Ion Ratio Lower Upper
73 100
57 22.7 17.3 25.9



#20
Methylene Chloride
Concen: 0.691 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion: 84 Resp: 1522
Ion Ratio Lower Upper
84 100
49 80.3 89.9 134.9#
51 41.6 27.8 41.6
86 52.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.487 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

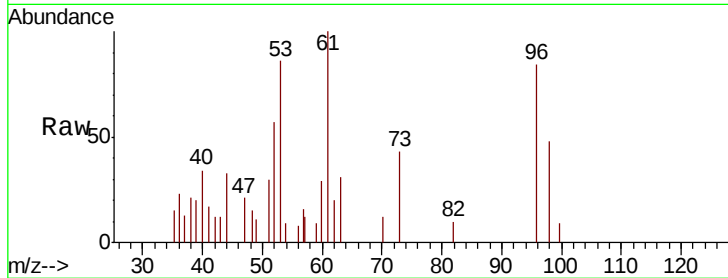
Tot Ion: 96 Resp: 995

Ion Ratio Lower Upper

96 100

61 119.2 104.2 156.2

98 57.7 52.2 78.4

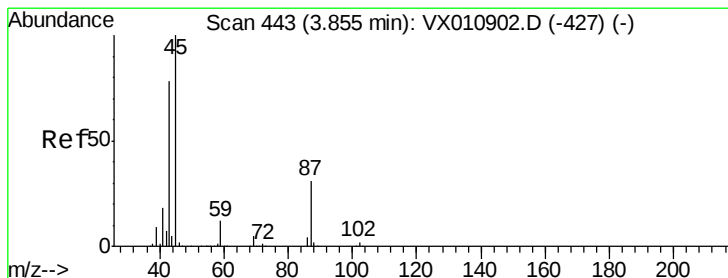
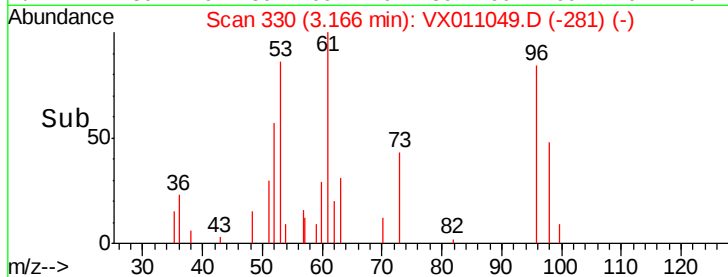
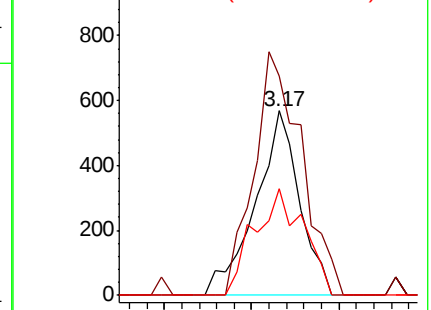


Abundance

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



#22

Diisopropyl ether

Concen: 0.517 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Tgt Ion: 45 Resp: 3054

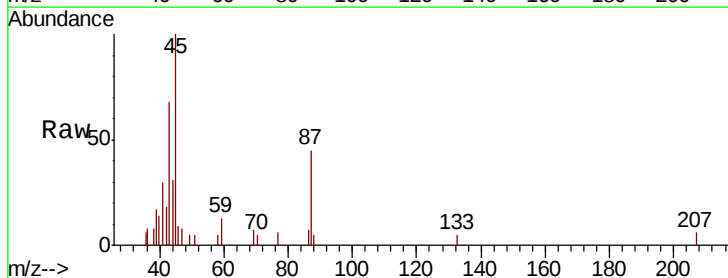
Ion Ratio Lower Upper

45 100

43 59.2 62.3 93.5#

87 44.8 25.0 37.4#

59 13.1 9.9 14.9



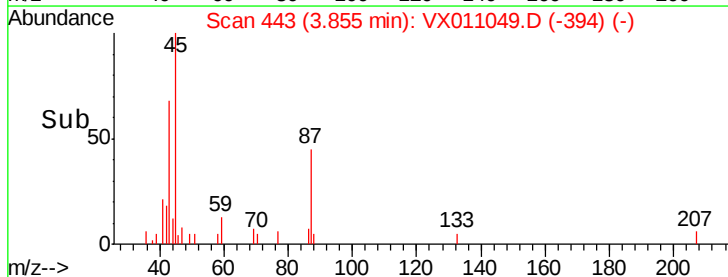
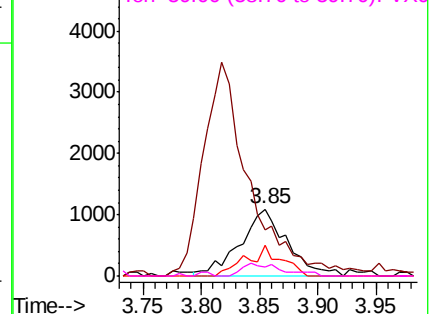
Abundance

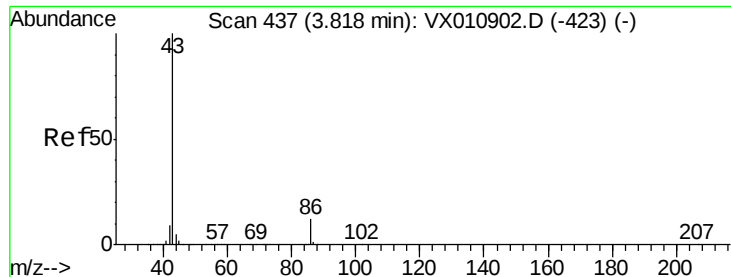
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 1.930 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

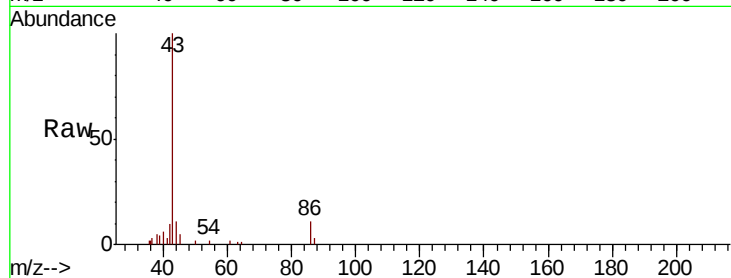
ClientSampleId :

Tot Ion: 43 Resp: 9651

Ion Ratio Lower Upper

43 100

86 11.2 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

4000

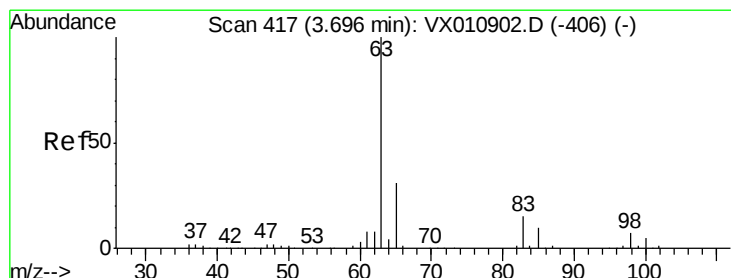
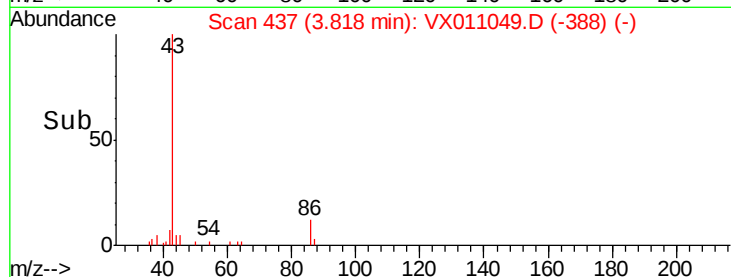
3000

2000

1000

0

Time--> 3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 0.524 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

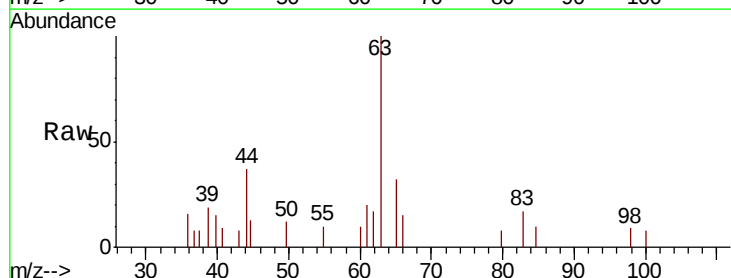
Tgt Ion: 63 Resp: 1797

Ion Ratio Lower Upper

63 100

98 9.5 3.6 10.9

100 8.1 2.4 7.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

800

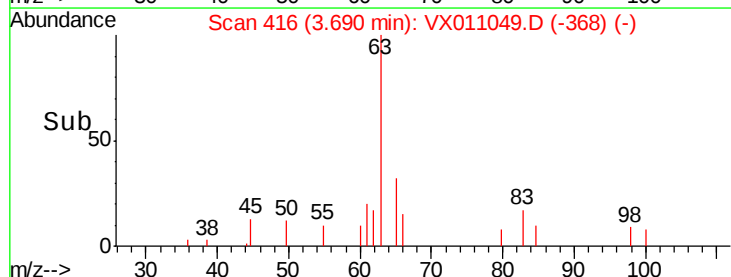
600

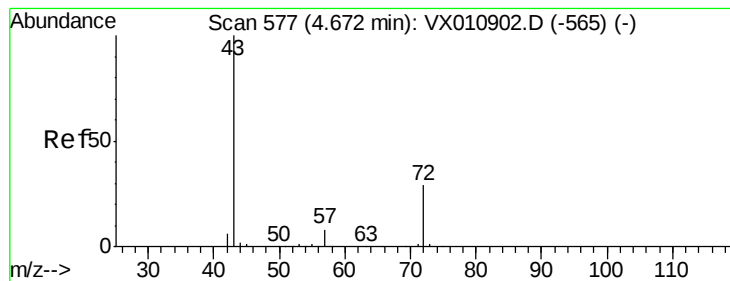
400

200

0

Time--> 3.60 3.65 3.70 3.75 3.80





#25

2-Butanone

Concen: 2.754 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

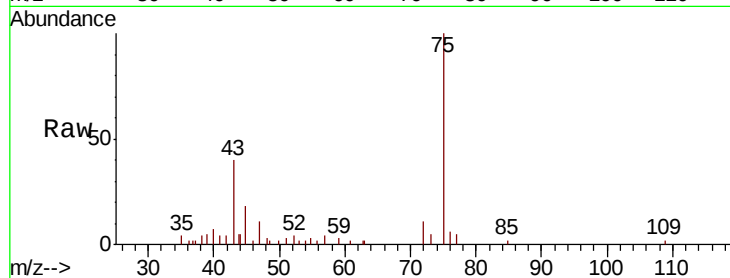
ClientSampled :

Tot Ion: 43 Resp: 4109

Ion Ratio Lower Upper

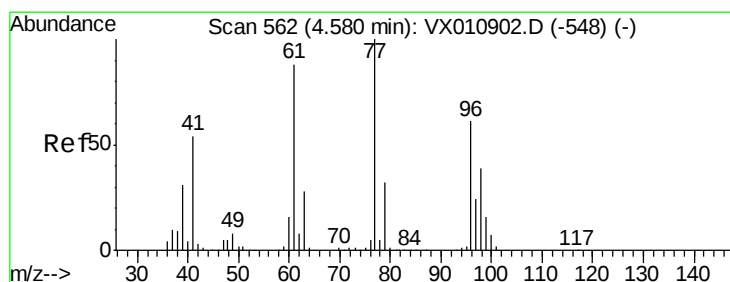
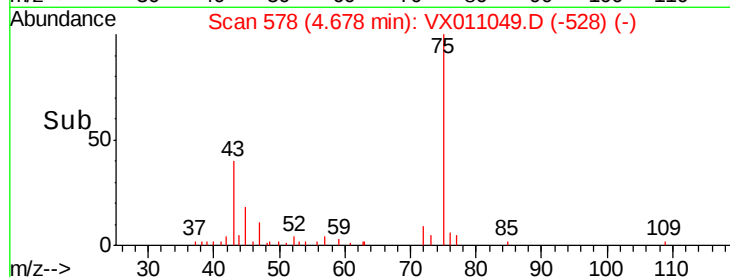
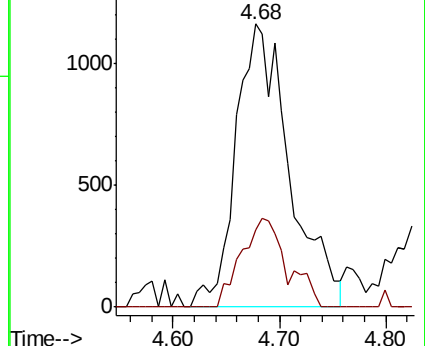
43 100

72 27.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.461 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011049.D

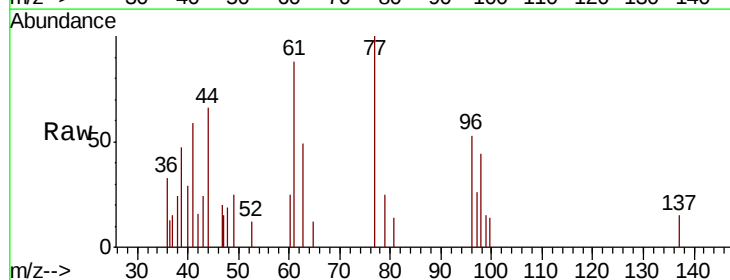
Acq: 23 Jul 2019 10:55

Tgt Ion: 77 Resp: 1299

Ion Ratio Lower Upper

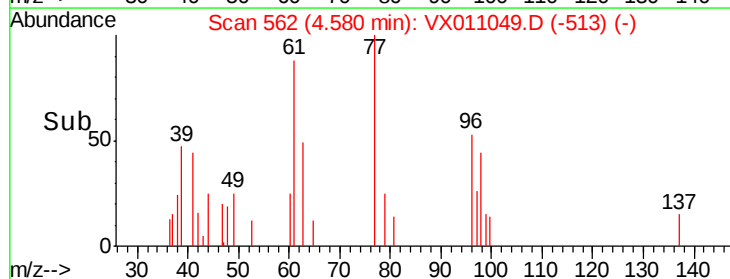
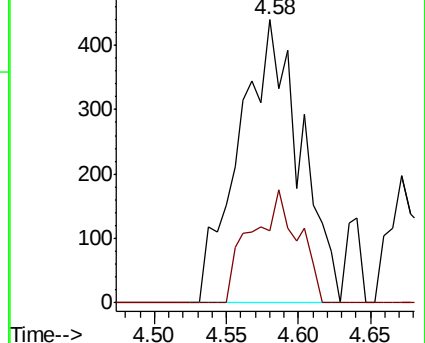
77 100

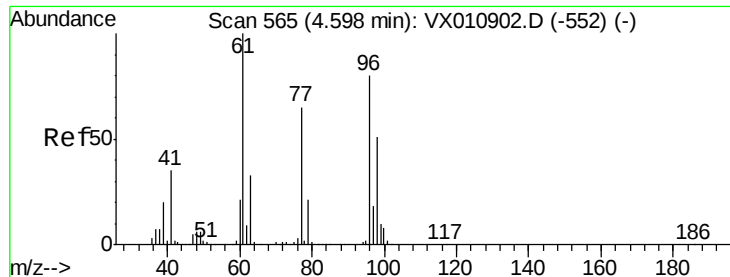
97 31.0 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



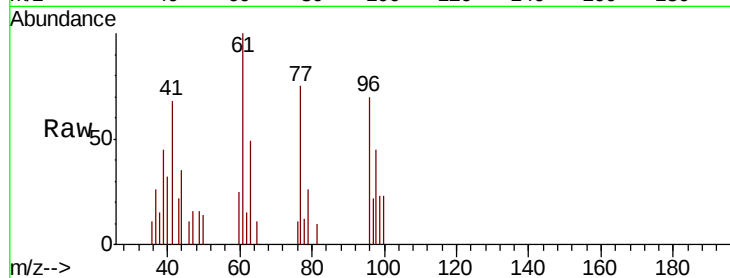


#27

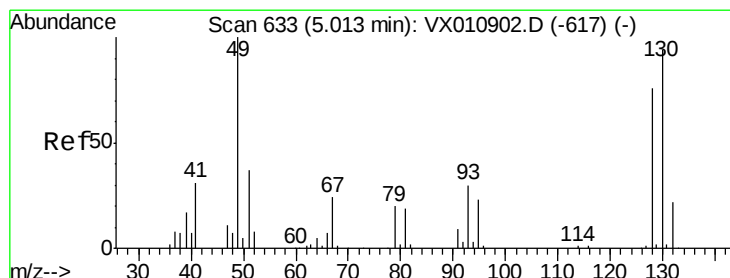
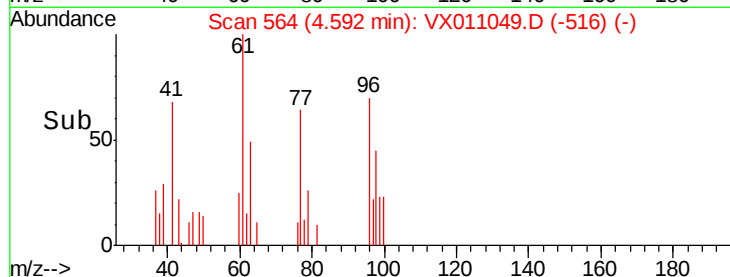
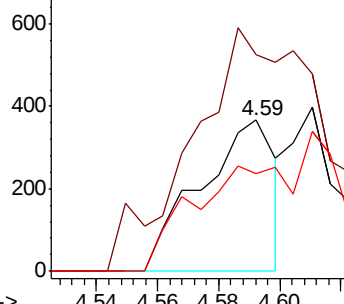
cis-1,2-Dichloroethene
Concen: 0.263 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 623
Ion Ratio Lower Upper
96 100
61 282.0 0.0 269.0#
98 0.0 0.0 131.4



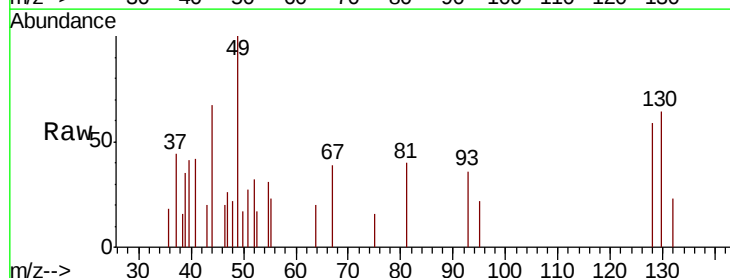
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



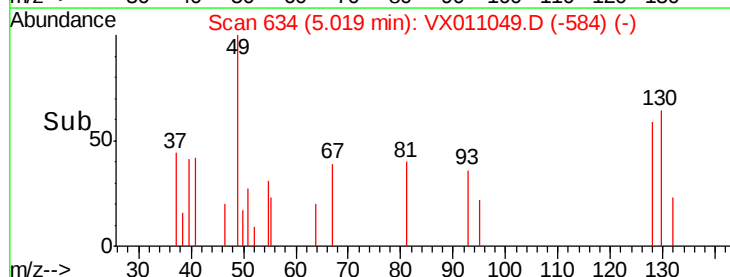
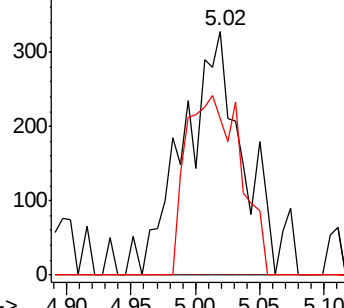
#28

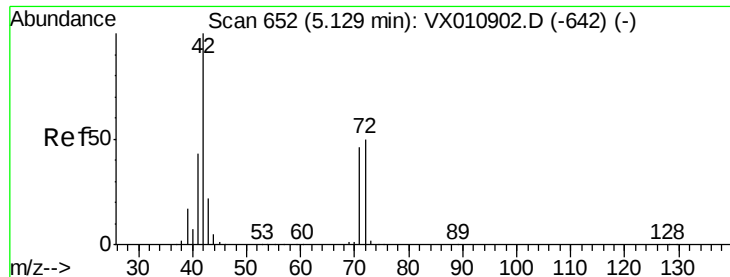
Bromochloromethane
Concen: 0.635 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion: 49 Resp: 1026
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 69.5 76.9 115.3#



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: 2.519 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

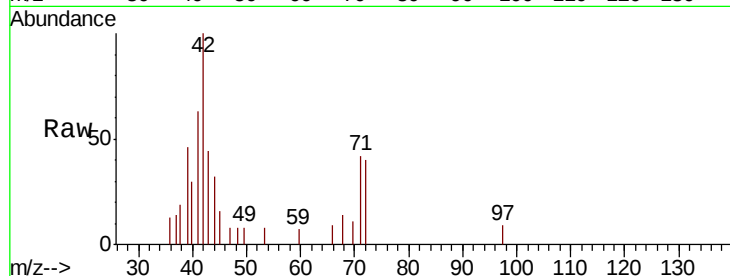
Tot Ion: 42 Resp: 2381

Ion Ratio Lower Upper

42 100

72 34.0 39.8 59.8#

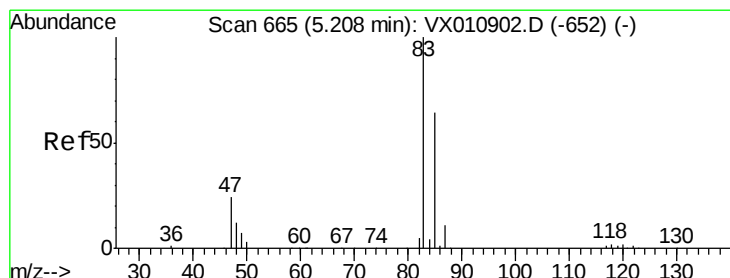
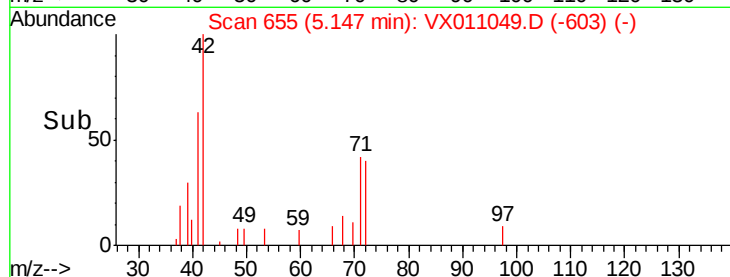
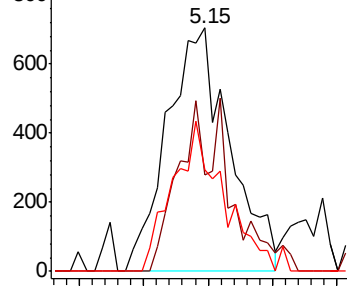
71 49.5 37.0 55.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.693 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX011049.D

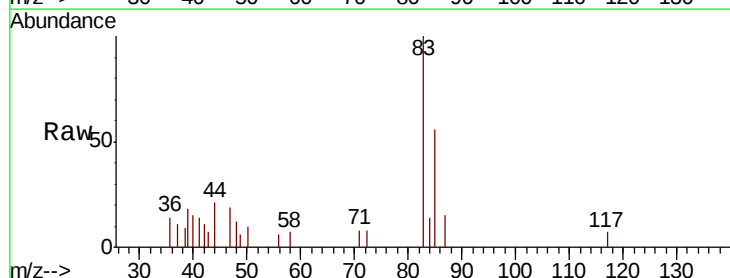
Acq: 23 Jul 2019 10:55

Tgt Ion: 83 Resp: 2567

Ion Ratio Lower Upper

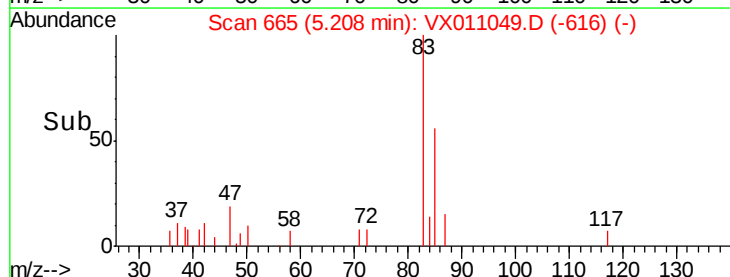
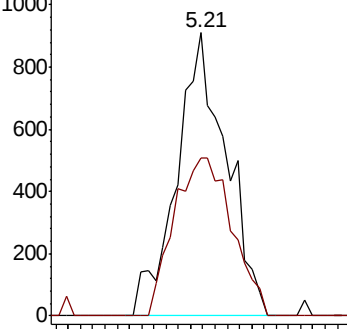
83 100

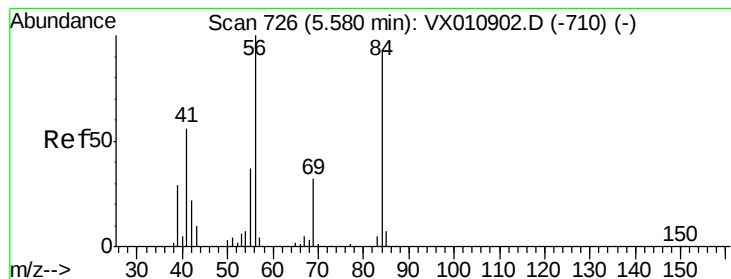
85 55.9 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 0.483 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampled :

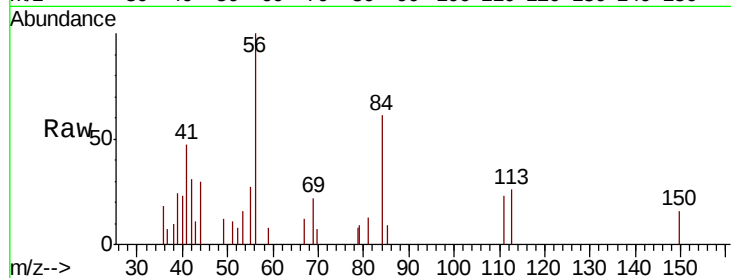
Tot Ion: 56 Resp: 1509

Ion Ratio Lower Upper

56 100

69 22.1 25.8 38.8#

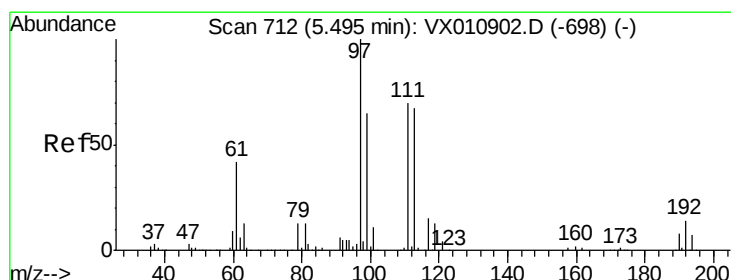
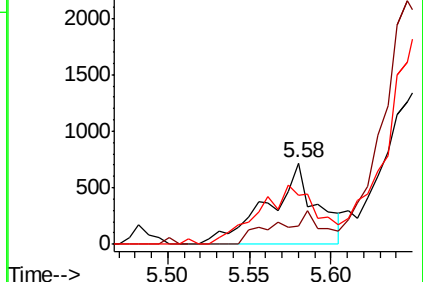
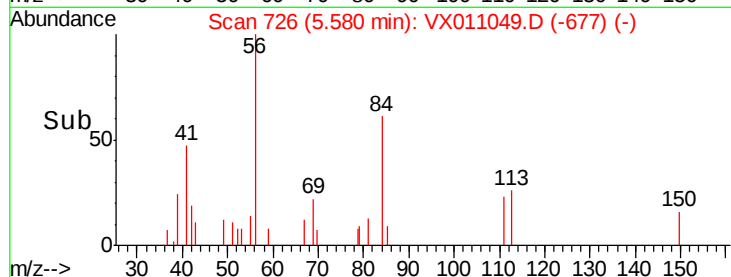
84 53.7 73.8 110.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 0.510 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

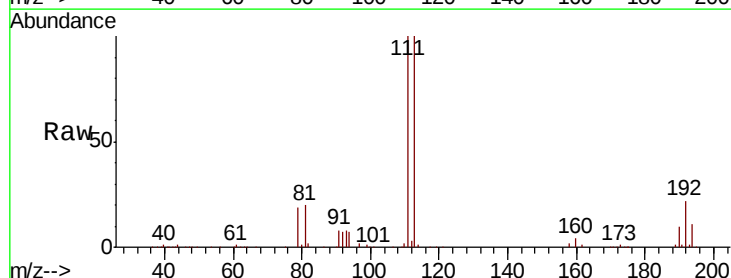
Tgt Ion: 97 Resp: 1635

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

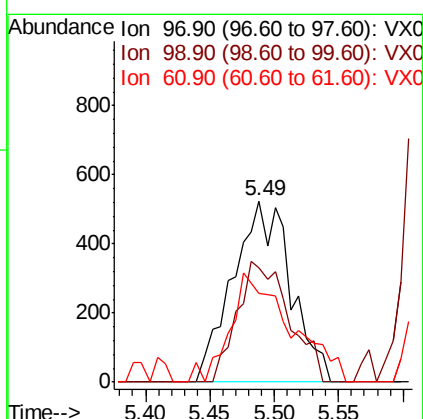
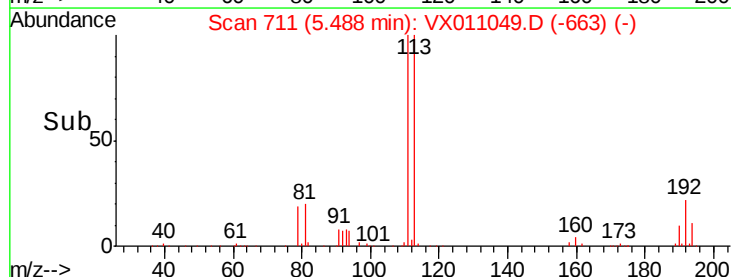
61 63.2 33.0 49.6#

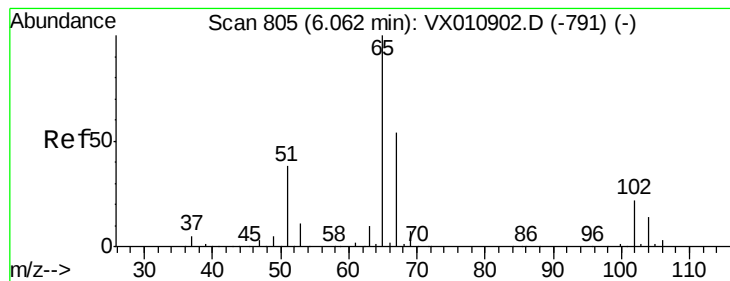


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.192 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

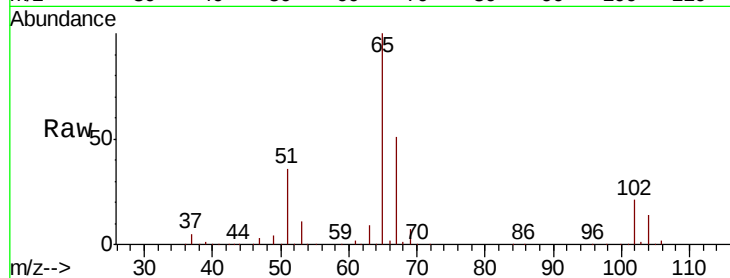
ClientSampleId :

Tot Ion: 65 Resp: 110907

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.8

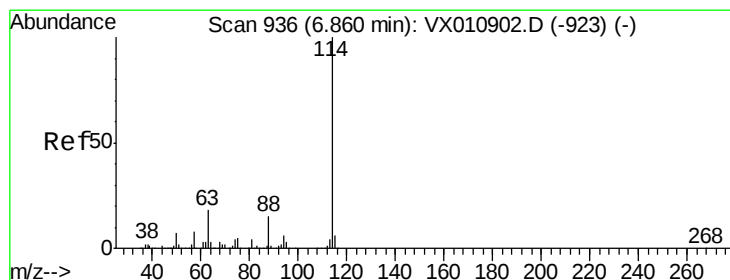
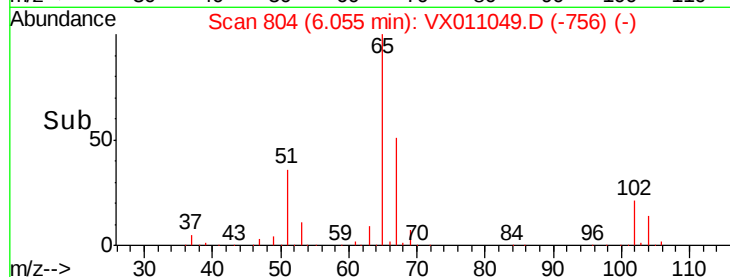


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

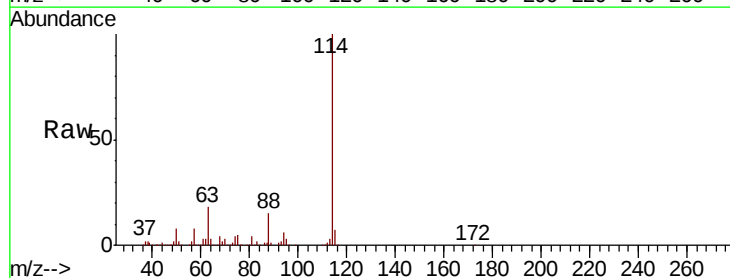
Tgt Ion: 114 Resp: 322598

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 14.8 0.0 29.8



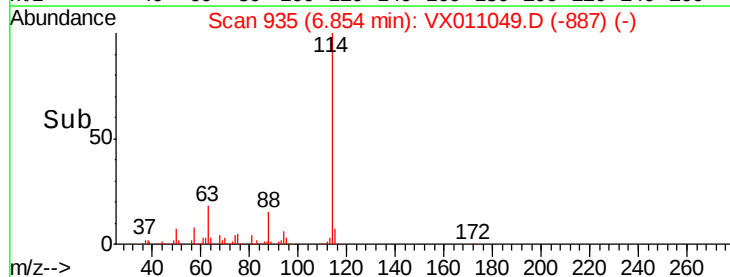
Abundance Ion 113.90 (113.60 to 114.60): V

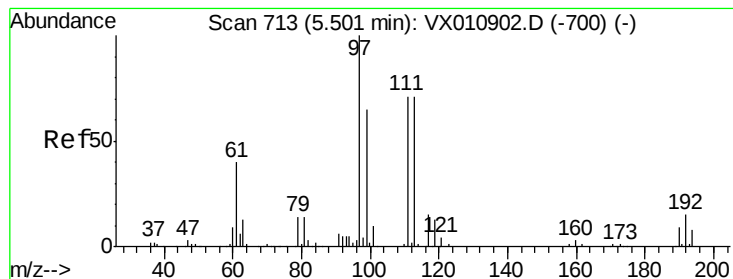
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.569 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

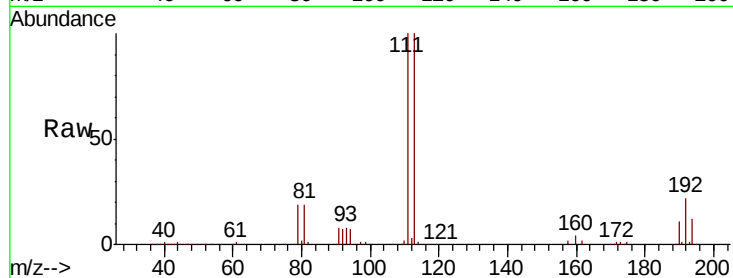
Tot Ion:113 Resp: 97402

Ion Ratio Lower Upper

113 100

111 100.6 82.3 123.5

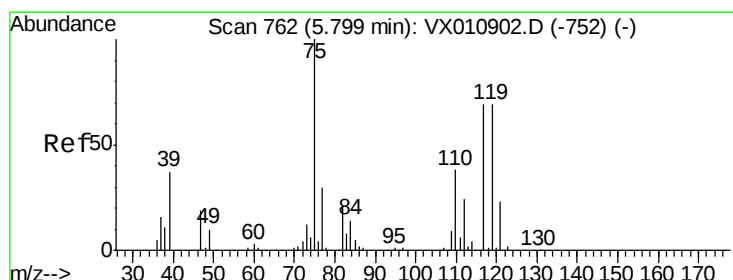
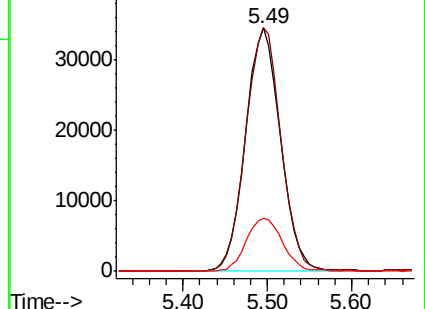
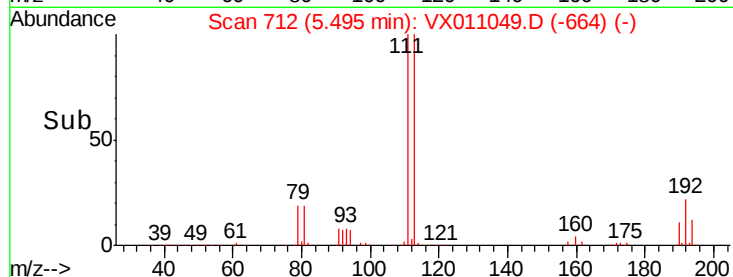
192 22.6 17.4 26.2



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: 0.577 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

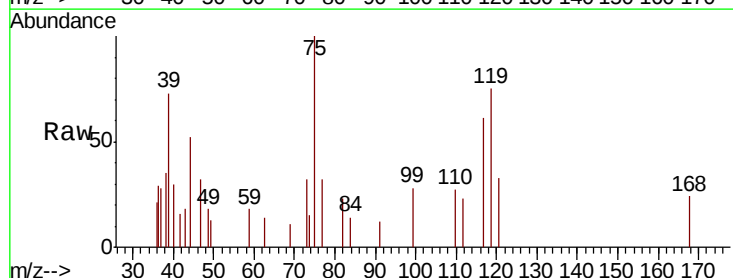
Tgt Ion: 75 Resp: 1528

Ion Ratio Lower Upper

75 100

110 37.0 19.9 59.7

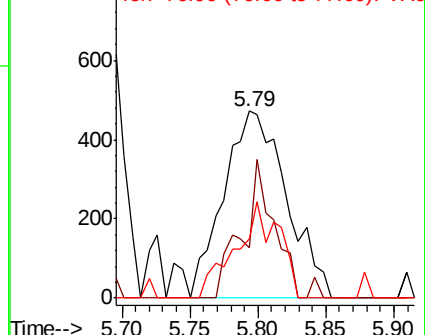
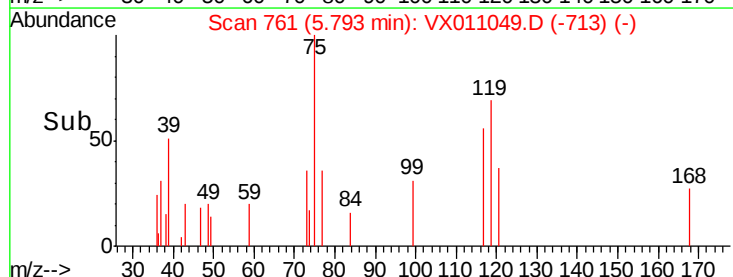
77 35.4 25.0 37.4

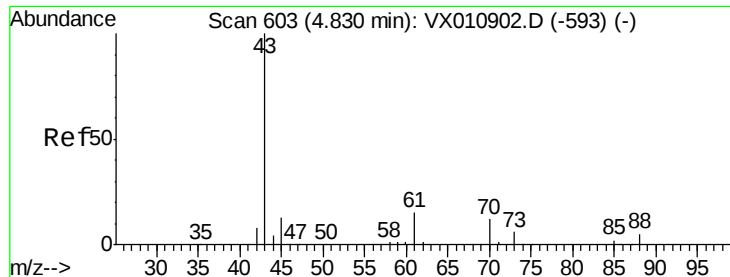


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

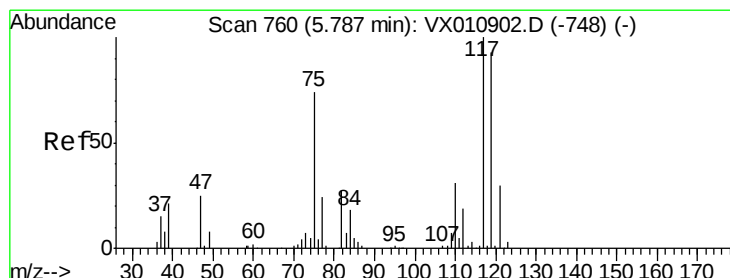
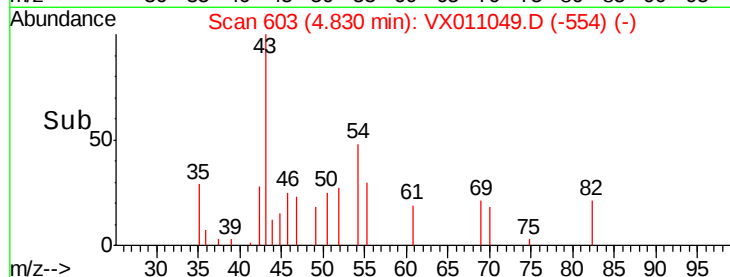
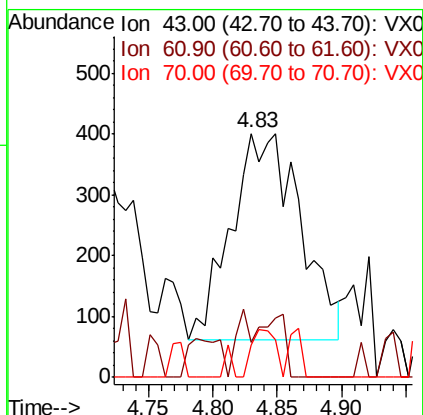
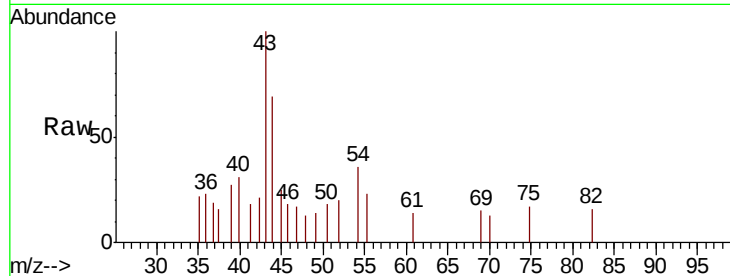




#37
Ethyl Acetate
Concen: 0.467 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

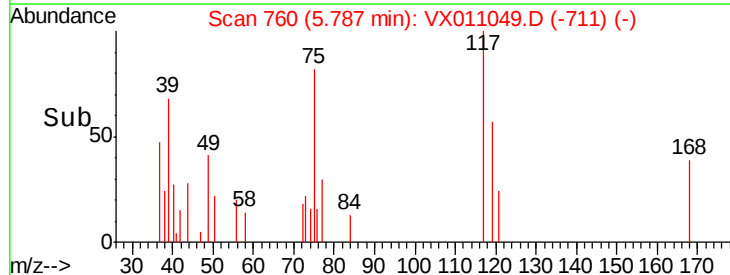
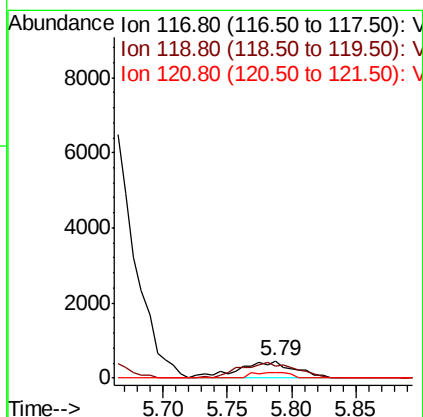
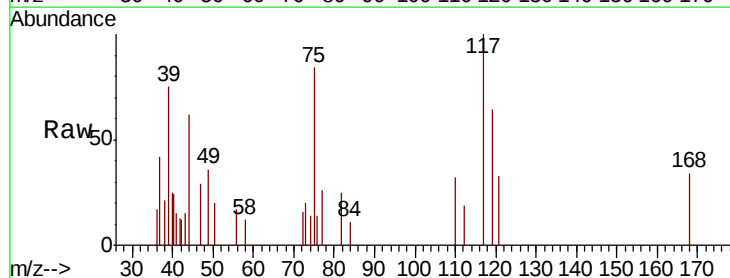
Instrument :
MSVOA_X
ClientSampled :

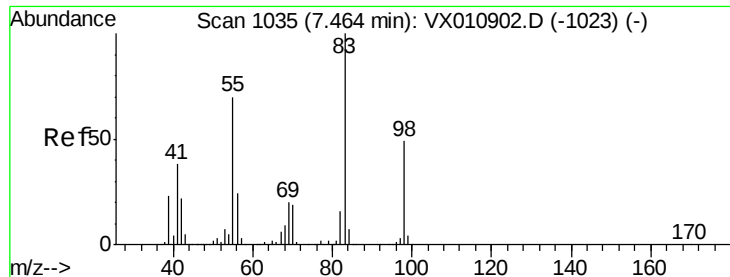
Tot Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
61 7.0 11.6 17.4#
70 7.7 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 0.498 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion: 117 Resp: 1376
Ion Ratio Lower Upper
117 100
119 64.4 74.2 111.2#
121 32.6 24.2 36.2

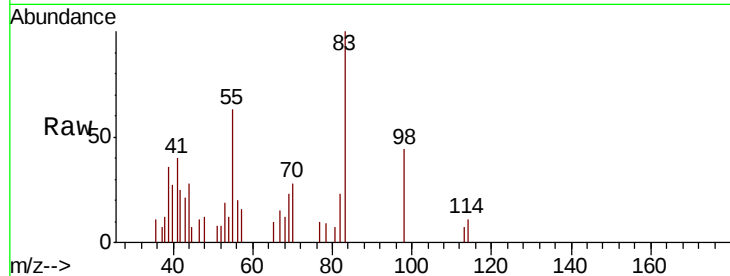




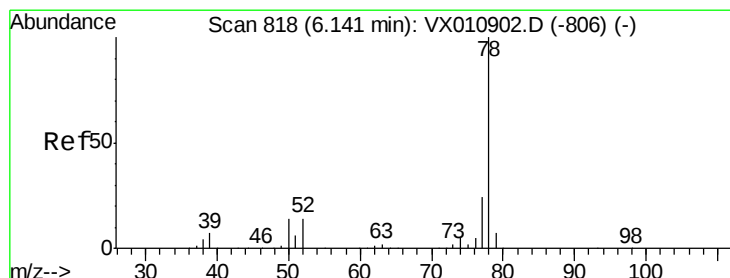
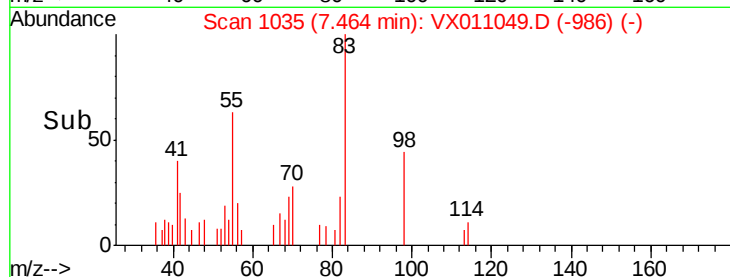
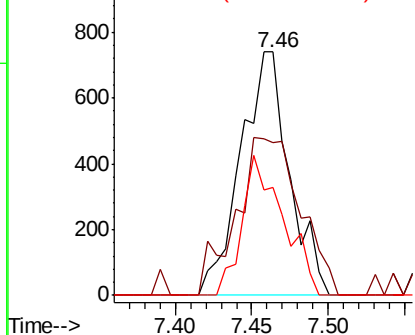
#39
Methvlcvclohexane
Concen: 0.478 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 1642
Ion Ratio Lower Upper
83 100
55 62.6 56.2 84.4
98 44.3 39.0 58.4

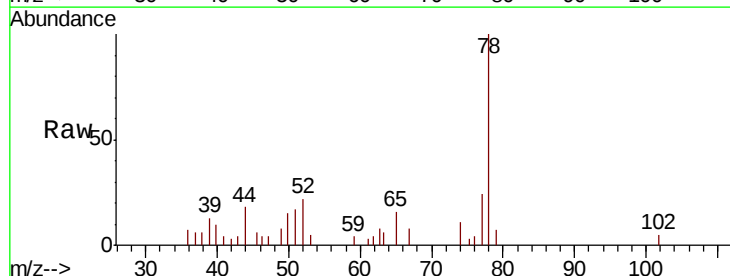


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

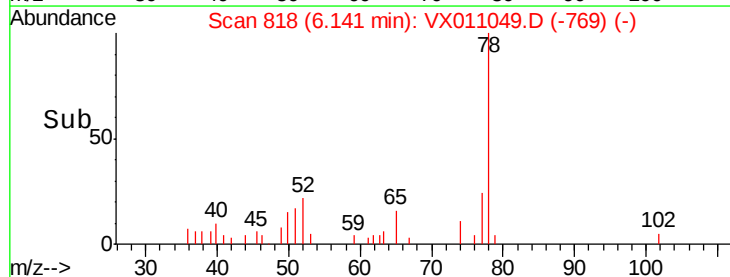
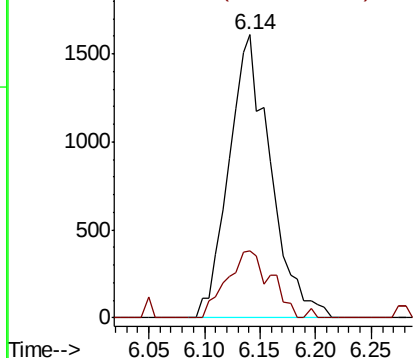


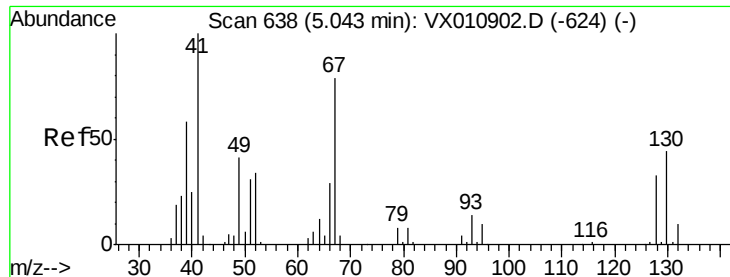
#40
Benzene
Concen: 0.515 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion: 78 Resp: 4183
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

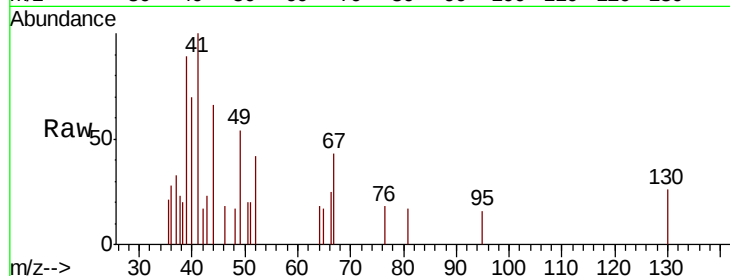




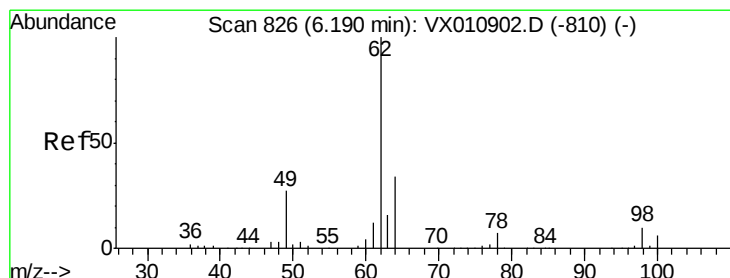
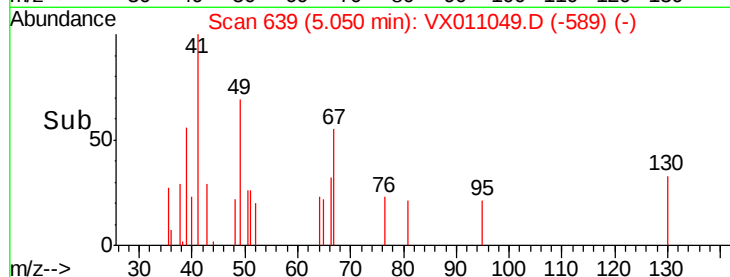
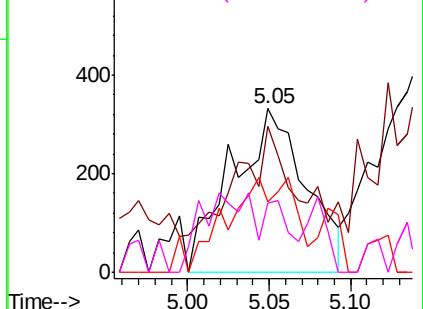
#41
Methacrylonitrile
Concen: 0.682 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 1050
Ion Ratio Lower Upper
41 100
39 64.6 45.4 68.2
67 51.8 65.9 98.9#
52 32.7 26.2 39.2

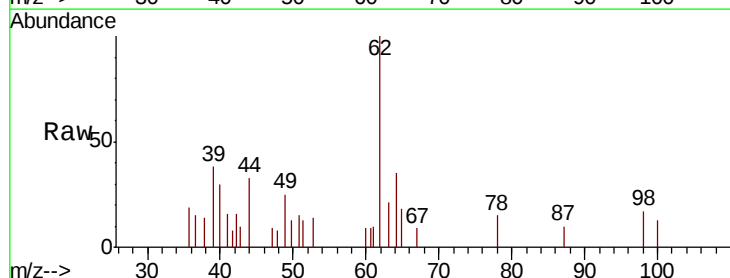


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

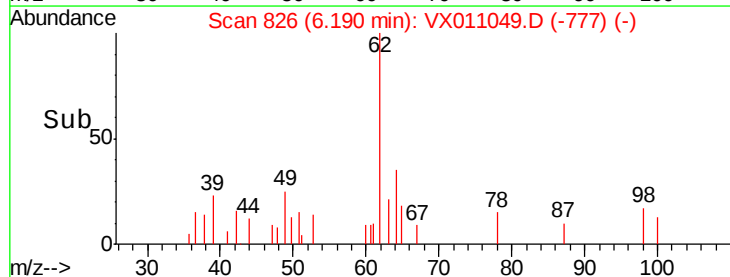
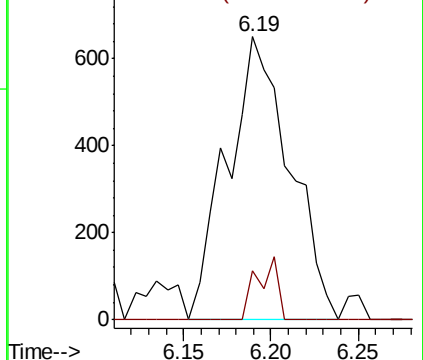


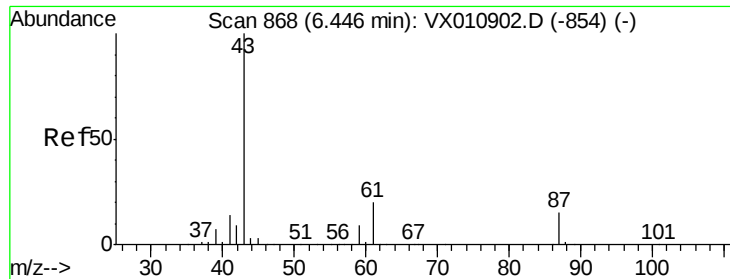
#42
1,2-Dichloroethane
Concen: 0.578 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion: 62 Resp: 1630
Ion Ratio Lower Upper
62 100
98 7.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.426 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

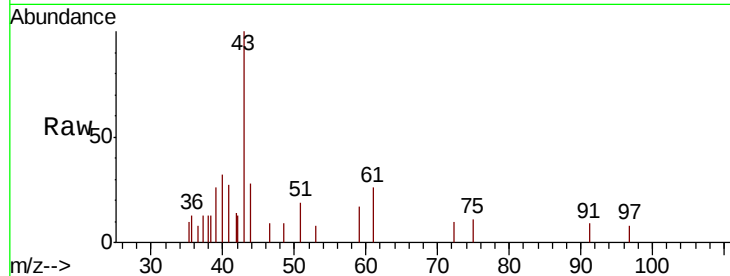
Tot Ion: 43 Resp: 1900

Ion Ratio Lower Upper

43 100

61 0.0 17.1 25.7#

87 8.2 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VX010902.D (-854) (-)

Ion 61.00 (60.70 to 61.70): VX010902.D (-854) (-)

Ion 87.00 (86.70 to 87.70): VX010902.D (-854) (-)

6.45

800

600

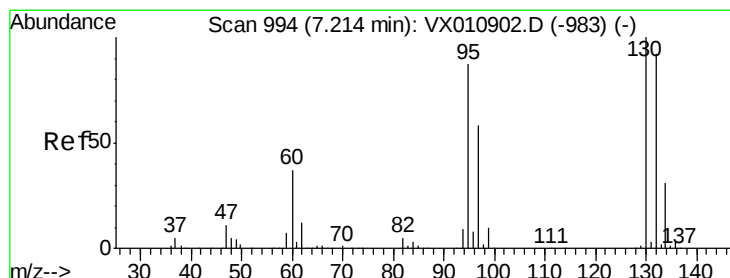
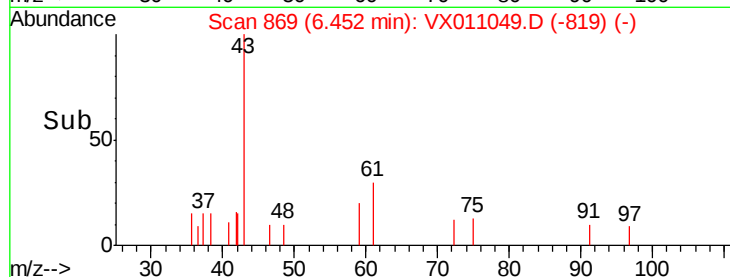
400

200

0

6.35 6.40 6.45 6.50 6.55

Time-->



#44

Trichloroethene

Concen: 0.491 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX011049.D

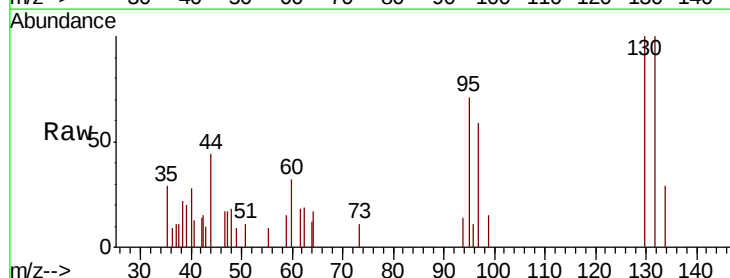
Acq: 23 Jul 2019 10:55

Tgt Ion: 130 Resp: 1180

Ion Ratio Lower Upper

130 100

95 70.7 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): VX010902.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX010902.D (-983) (-)

7.21

600

500

400

300

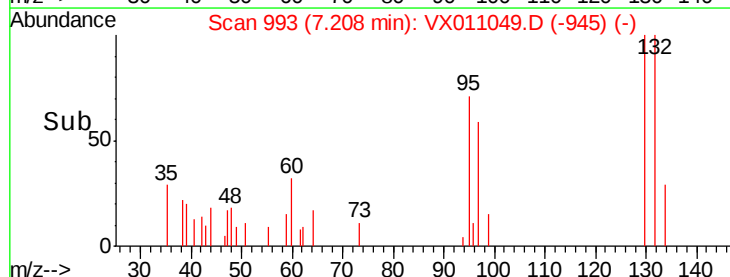
200

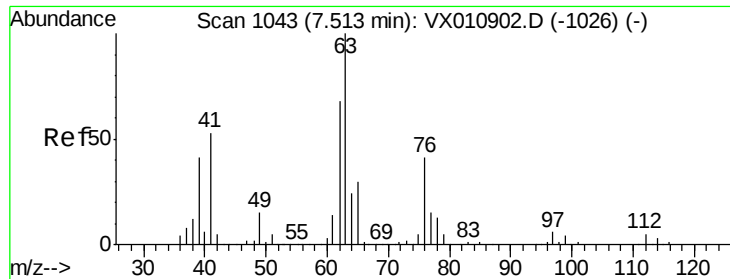
100

0

7.15 7.20 7.25

Time-->





#45

1,2-Dichloropropane

Concen: 0.586 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

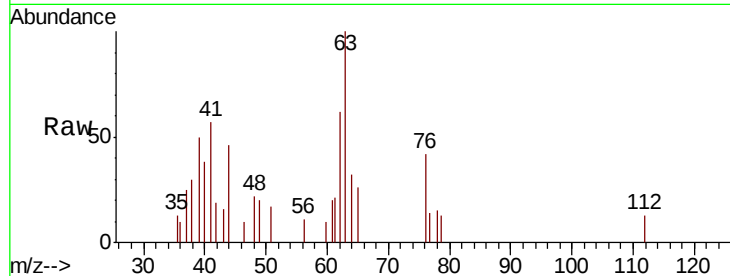
ClientSampleId :

Tot Ion: 63 Resp: 1211

Ion Ratio Lower Upper

63 100

65 25.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

600

500

400

300

200

100

0

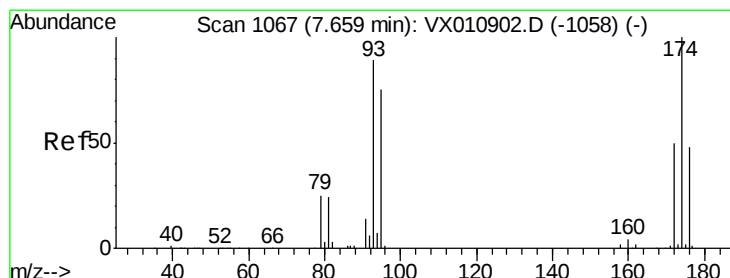
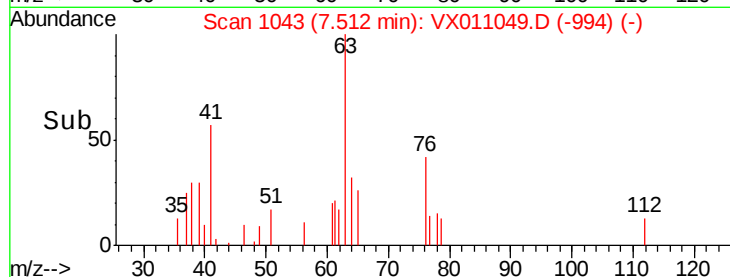
7.45

7.50

7.55

7.60

Time-->



#46

Dibromomethane

Concen: 0.531 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

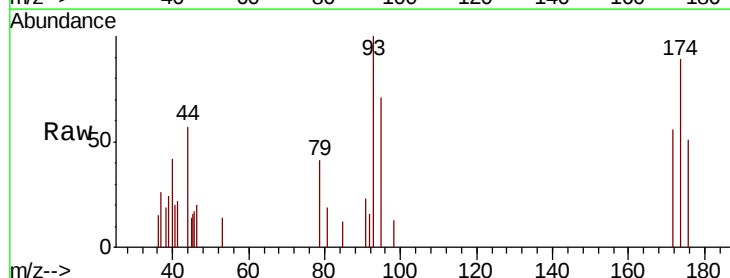
Tgt Ion: 93 Resp: 784

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

174 105.9 90.6 135.8



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

500

400

300

200

100

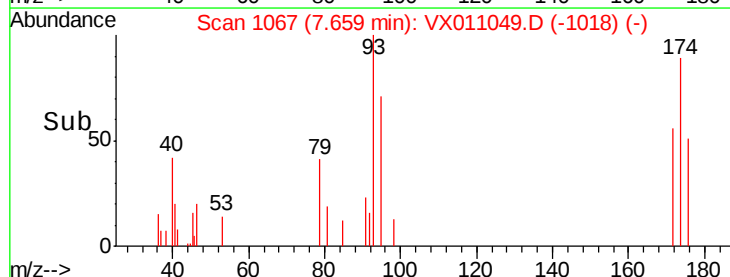
0

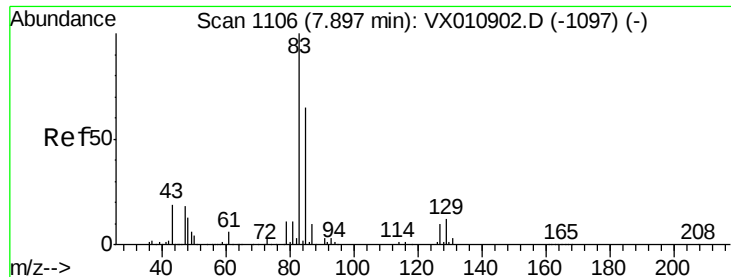
7.60

7.65

7.70

Time-->





#47

Bromodichloromethane

Concen: 0.475 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

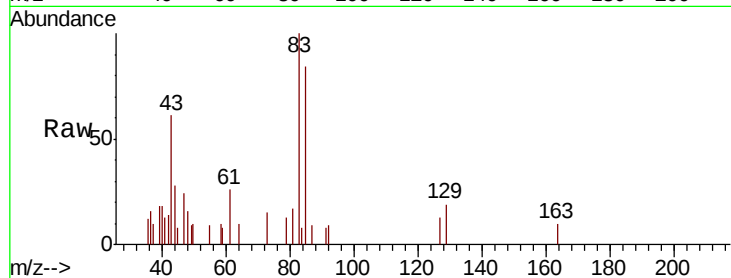
Tot Ion: 83 Resp: 1248

Ion Ratio Lower Upper

83 100

85 83.8 52.5 78.7#

127 12.8 7.8 11.8#



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

7.90

600

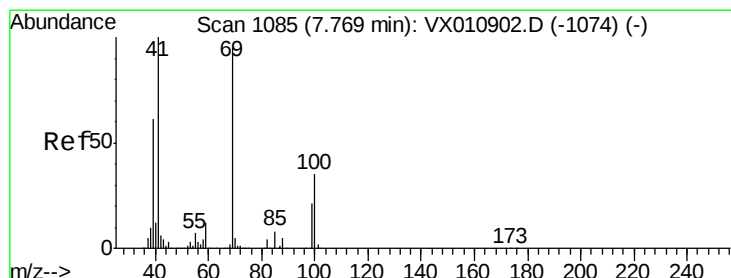
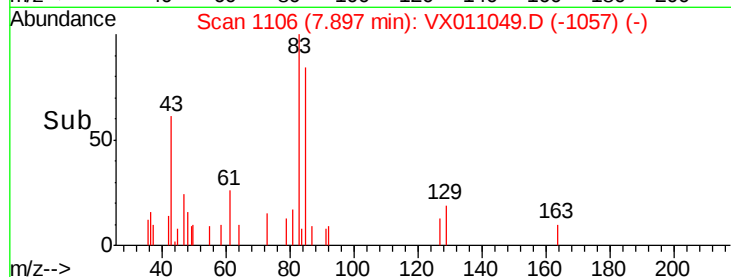
400

200

0

7.85 7.90 7.95

Time-->



#48

Methyl methacrylate

Concen: 0.540 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

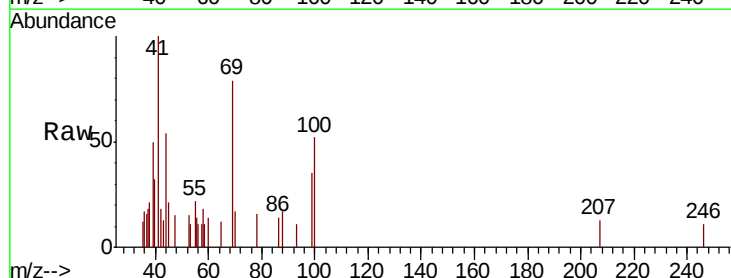
Tgt Ion: 41 Resp: 1173

Ion Ratio Lower Upper

41 100

69 69.7 74.4 111.6#

39 40.1 48.9 73.3#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

7.77

600

500

400

300

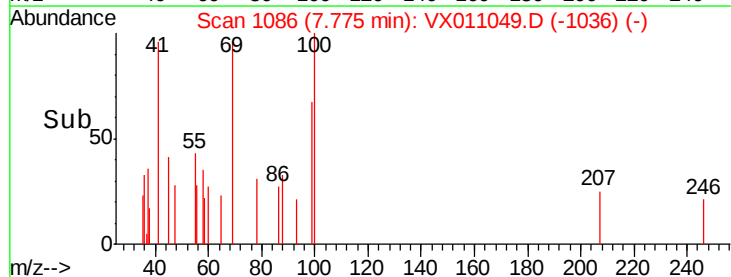
200

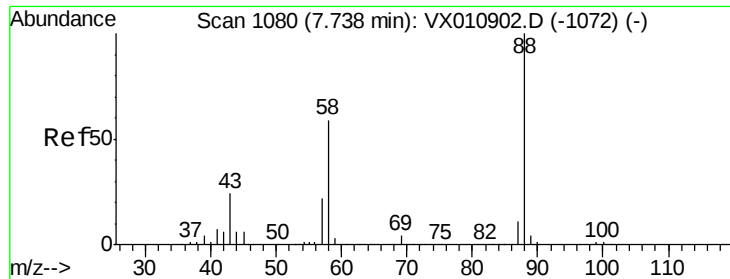
100

0

7.70 7.75 7.80 7.85

Time-->

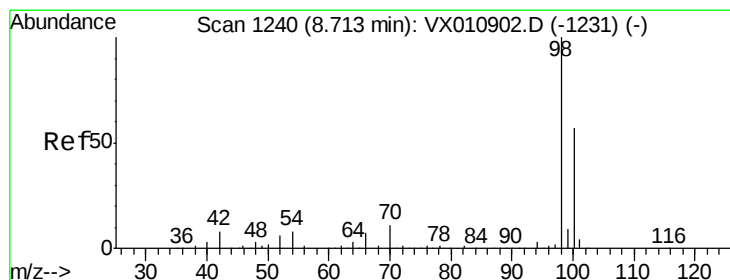
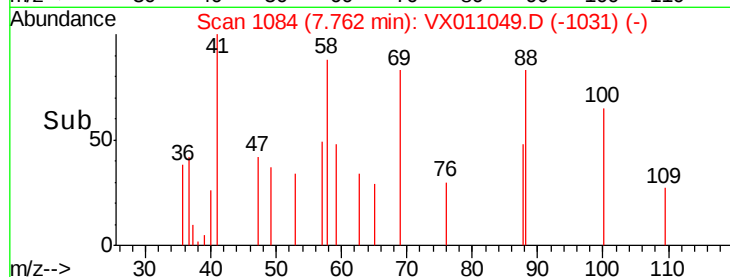
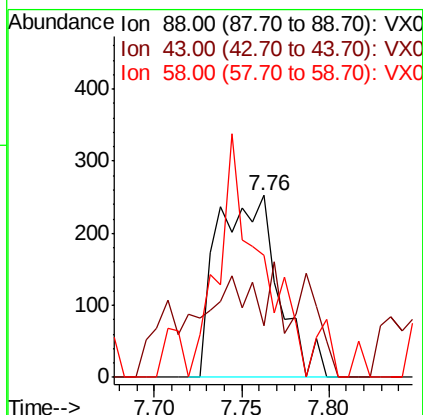
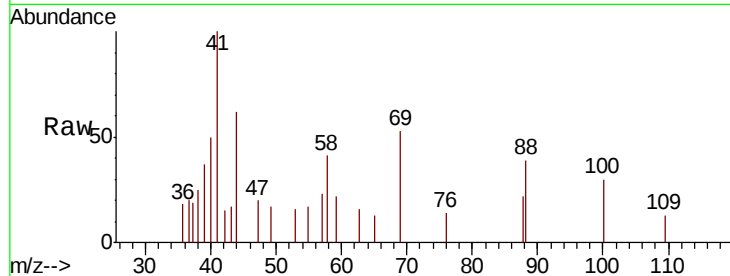




#49
1,4-Dioxane
Concen: 10.000 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

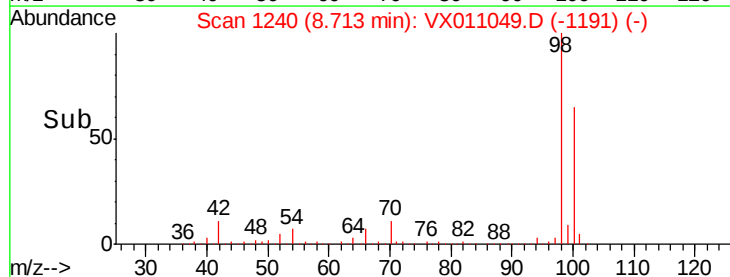
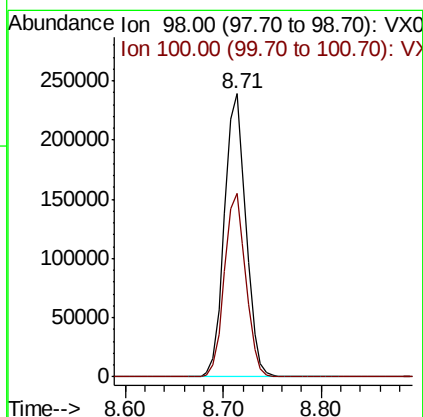
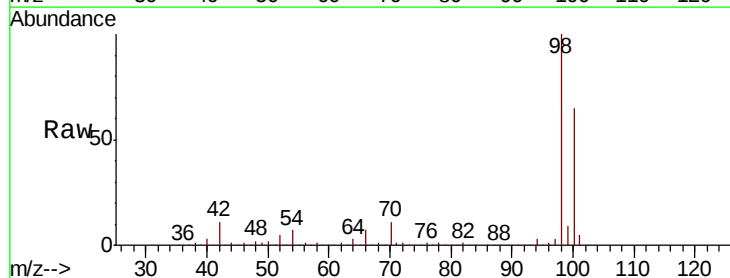
Instrument :
MSVOA_X
ClientSampled :

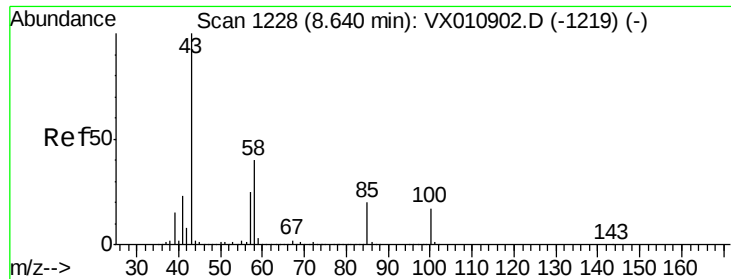
Tot Ion: 88 Resp: 608
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 91.3 49.8 74.8#



#50
Toluene-d8
Concen: 47.596 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion: 98 Resp: 365527
Ion Ratio Lower Upper
98 100
100 64.4 50.6 75.8

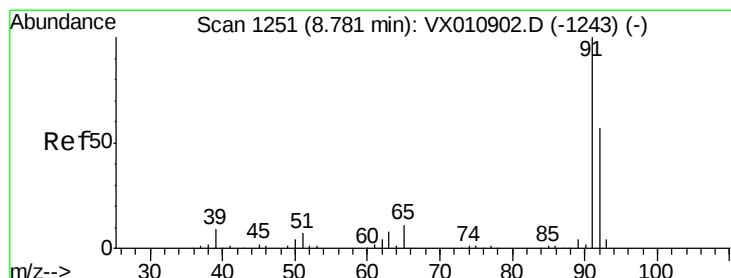
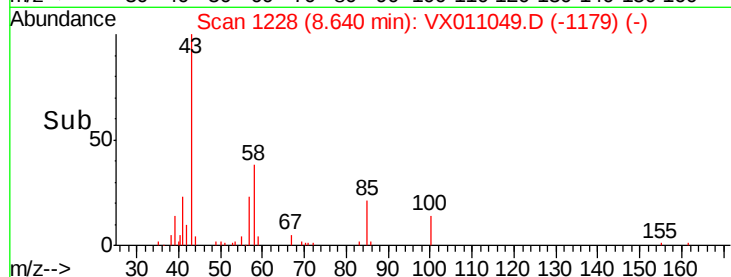
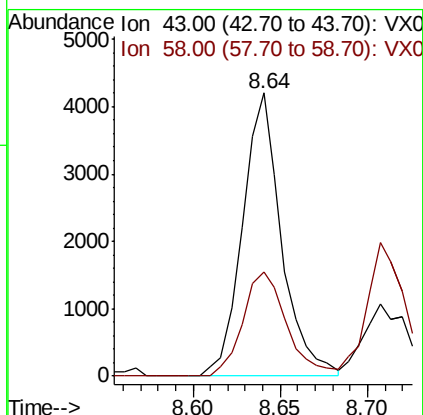
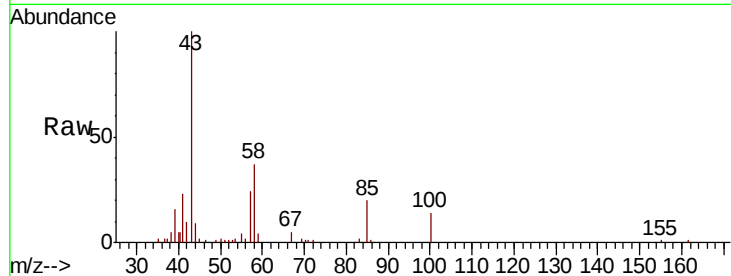




#51
 4-Methyl-2-Pentanone
 Concen: 2.248 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX011049.D
 Acq: 23 Jul 2019 10:55

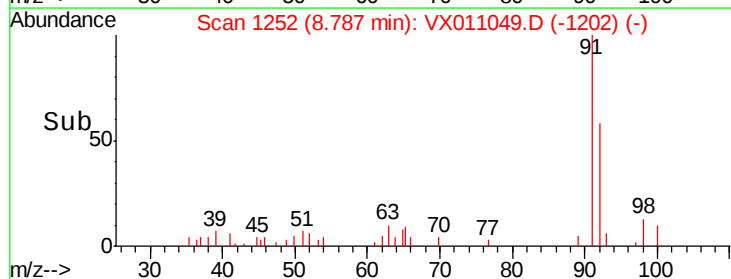
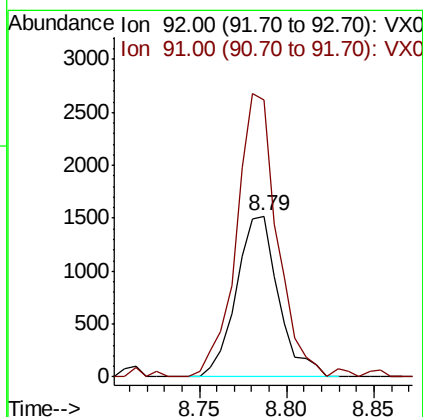
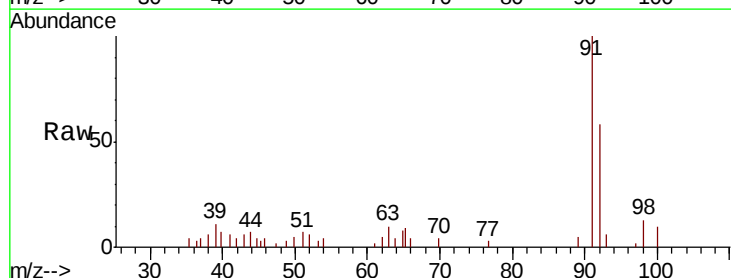
Instrument :
 MSVOA_X
 ClientSampleId :

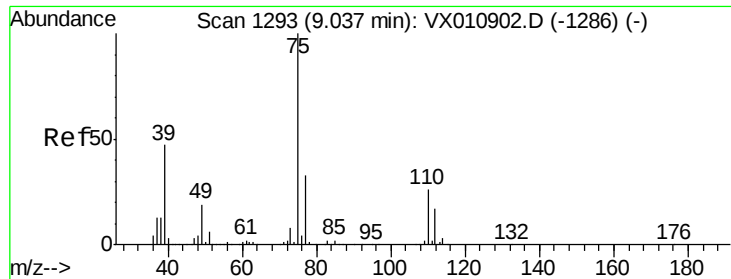
Tot Ion: 43 Resp: 6503
 Ion Ratio Lower Upper
 43 100
 58 41.7 32.2 48.4



#52
 Toluene
 Concen: 0.480 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VX011049.D
 Acq: 23 Jul 2019 10:55

Tgt Ion: 92 Resp: 2558
 Ion Ratio Lower Upper
 92 100
 91 172.2 139.4 209.0

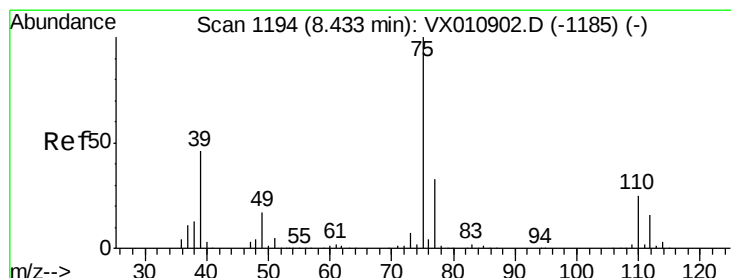
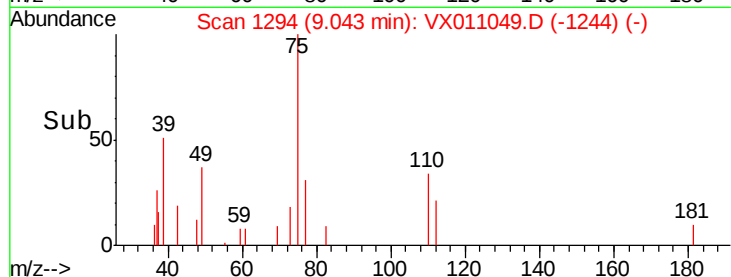
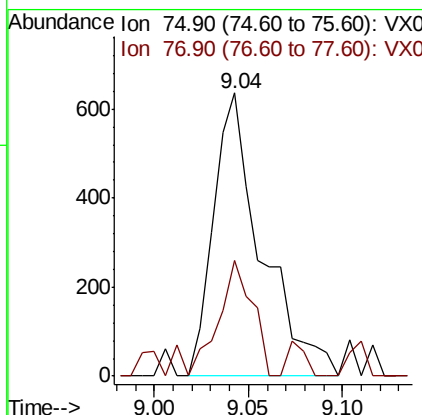
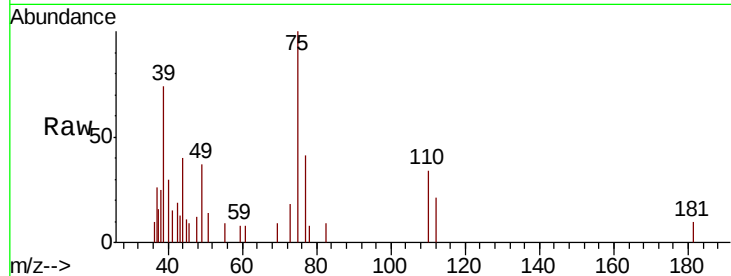




#53
t-1,3-Dichloropropene
Concen: 0.398 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

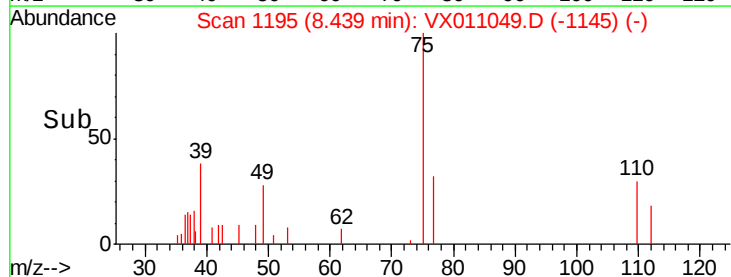
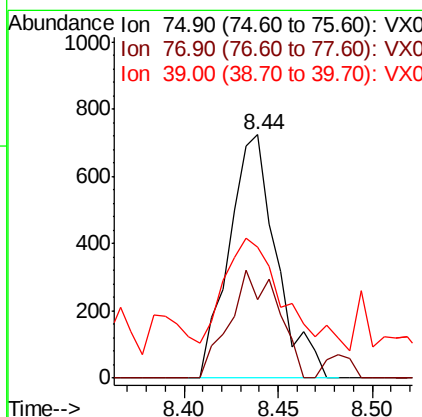
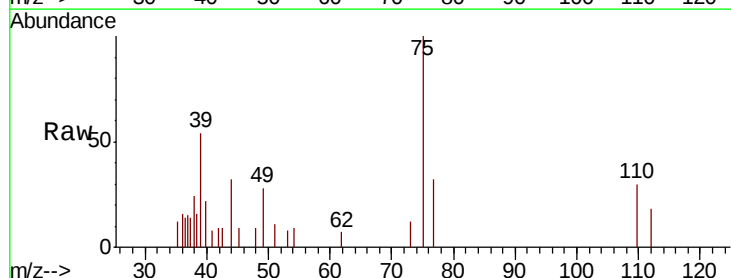
Instrument :
MSVOA_X
ClientSampled :

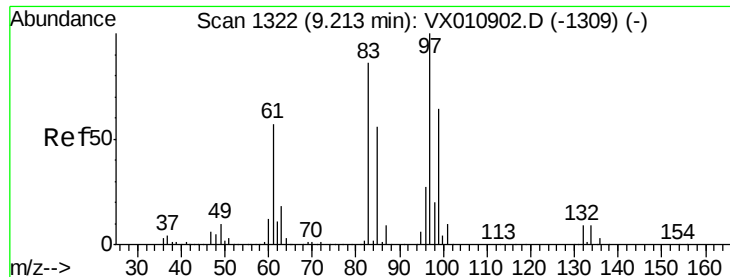
Tot Ion: 75 Resp: 1124
Ion Ratio Lower Upper
75 100
77 41.0 26.2 39.2#



#54
cis-1,3-Dichloropropene
Concen: 0.401 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion: 75 Resp: 1260
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1
39 37.6 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 0.494 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

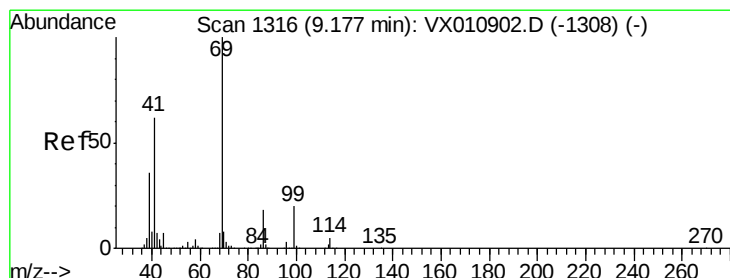
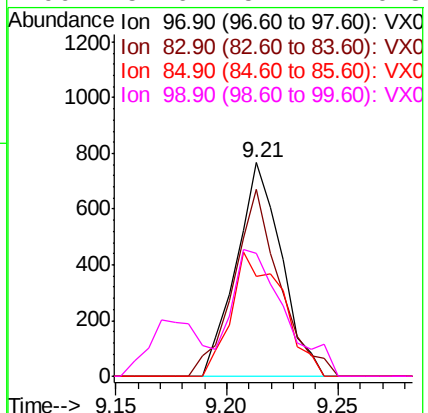
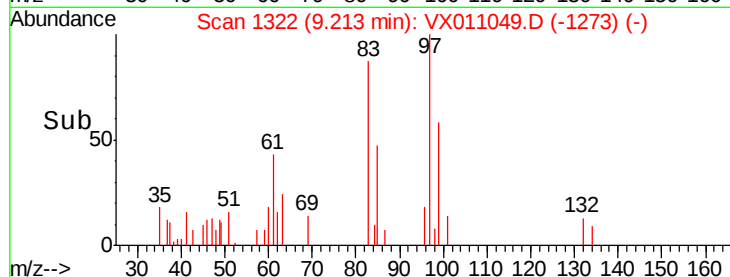
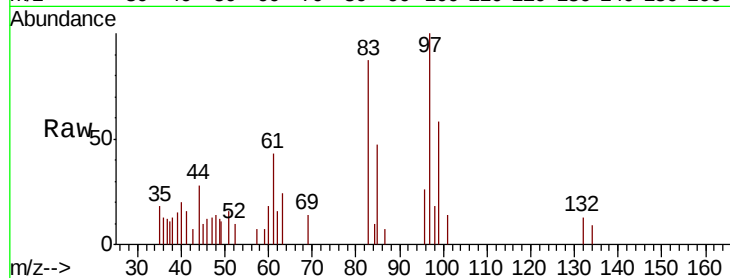
Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 97 Resp: 1085

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.2	103.8
85	46.8	44.6	66.8
99	57.6	51.2	76.8



#56

Ethyl methacrylate

Concen: 0.483 ug/l

RT: 9.18 min Scan# 1316

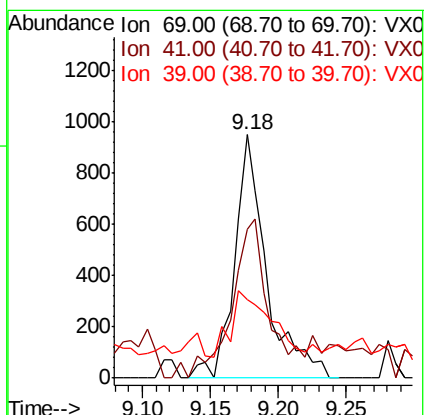
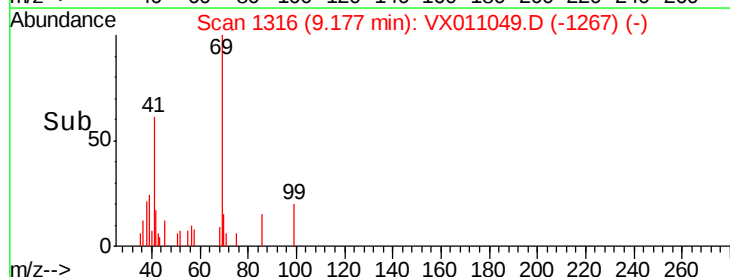
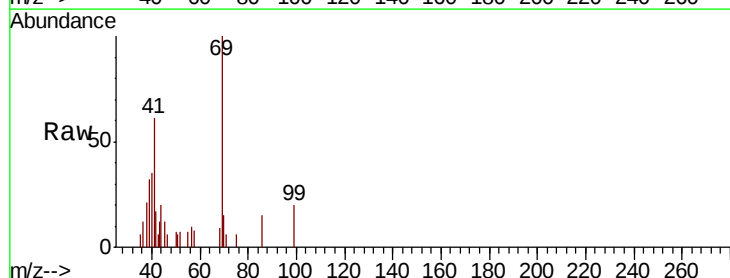
Delta R.T. -0.00 min

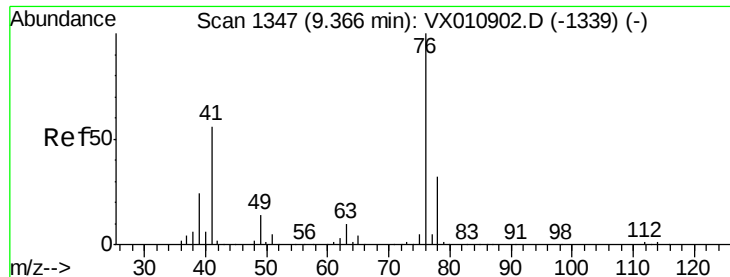
Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Tgt Ion: 69 Resp: 1550

Ion	Ratio	Lower	Upper
69	100		
41	77.4	49.7	74.5#
39	37.9	29.6	44.4





#57

1,3-Dichloropropane

Concen: 0.506 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

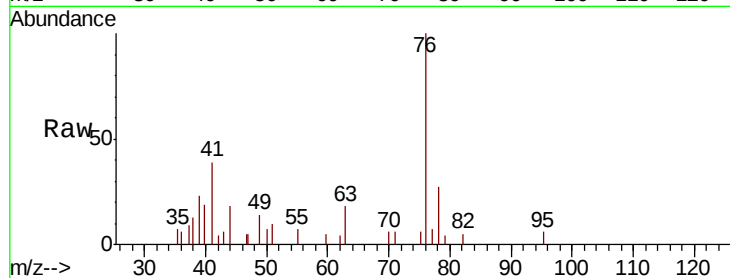
ClientSampleId :

Tot Ion: 76 Resp: 1764

Ion Ratio Lower Upper

76 100

78 34.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

1500

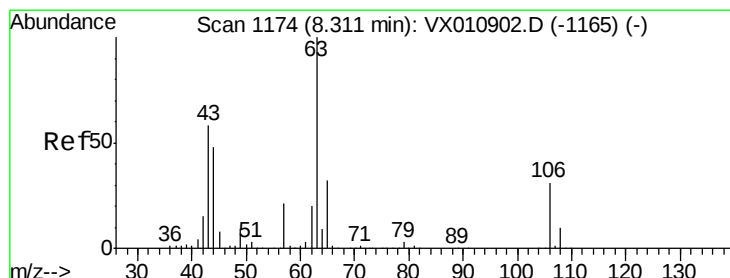
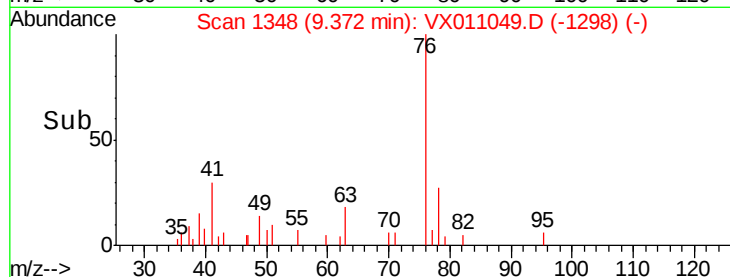
1000

500

0

9.30 9.35 9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.110 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX011049.D

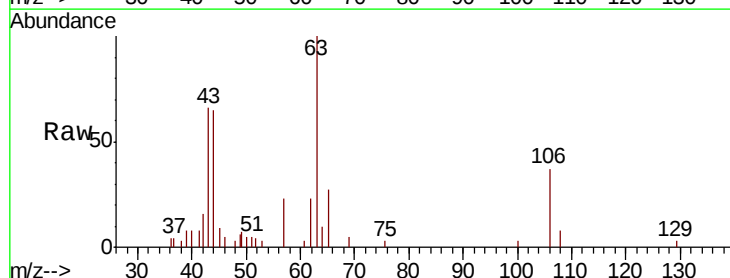
Acq: 23 Jul 2019 10:55

Tgt Ion: 63 Resp: 3235

Ion Ratio Lower Upper

63 100

106 33.0 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

2000

1500

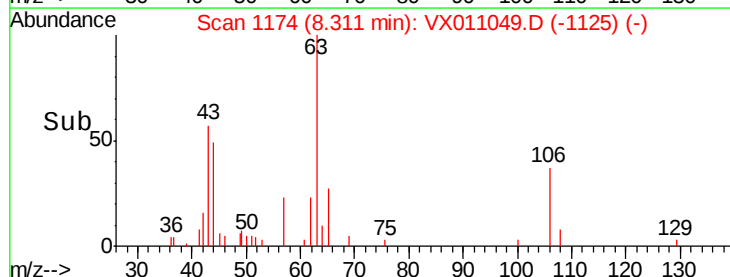
1000

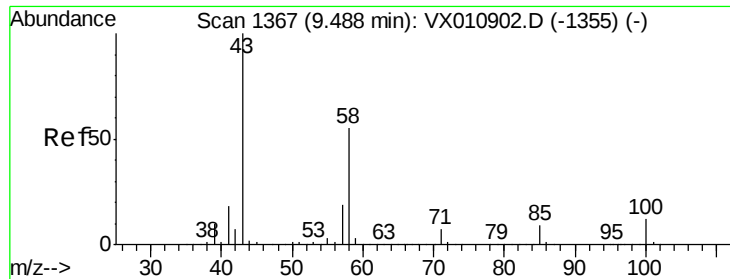
500

0

8.25 8.30 8.35 8.40

Time-->

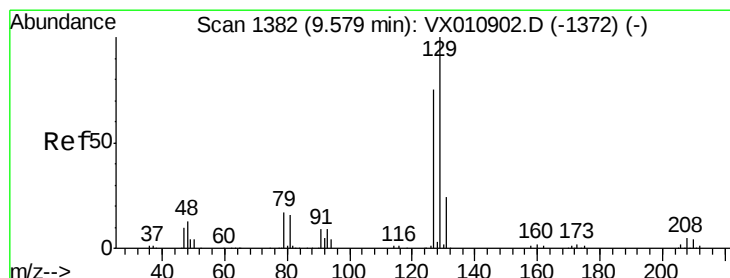
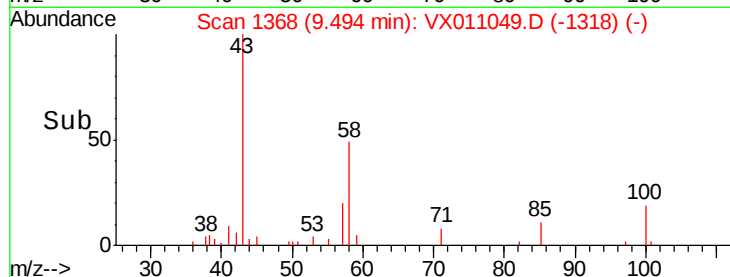
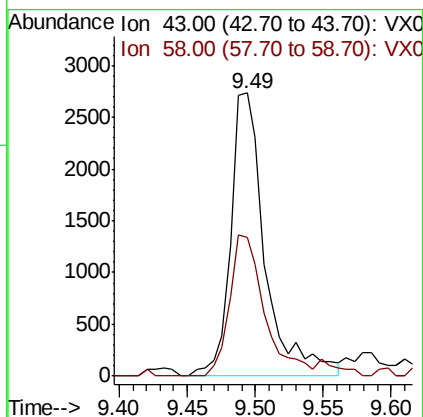
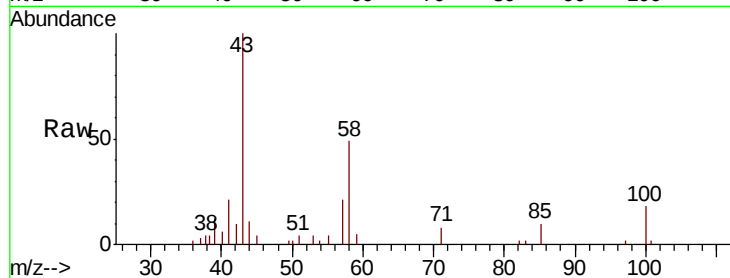




#59
2-Hexanone
Concen: 2.151 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

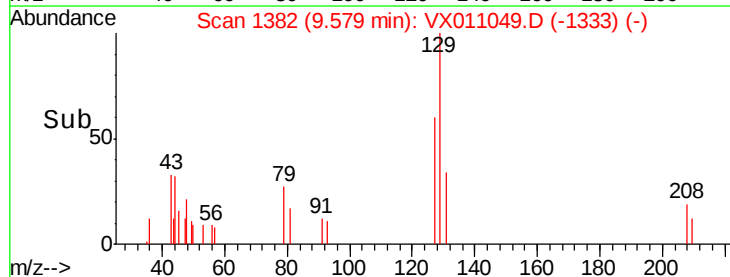
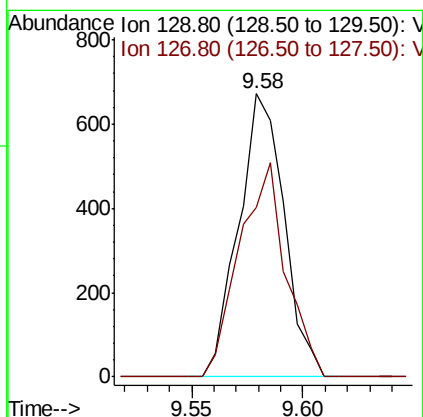
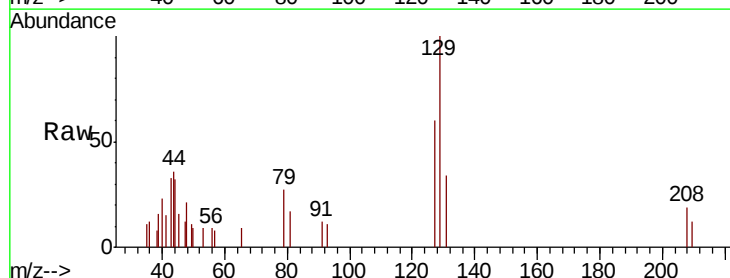
Instrument :
MSVOA_X
ClientSampled :

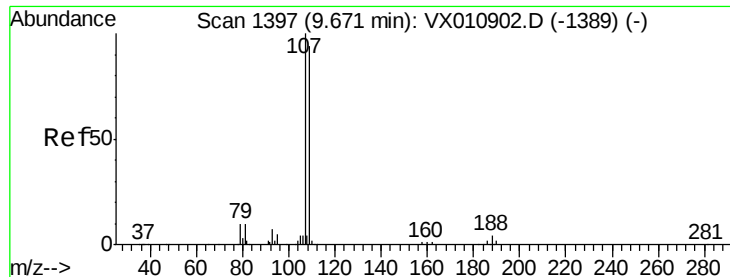
Tot Ion: 43 Resp: 4825
Ion Ratio Lower Upper
43 100
58 50.6 28.0 83.9



#60
Dibromochloromethane
Concen: 2.887 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion:129 Resp: 957
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.430 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

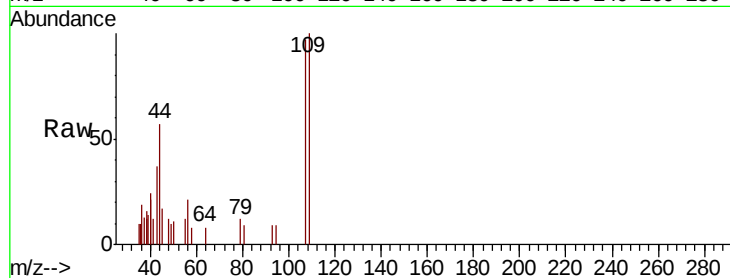
ClientSampleId :

Tot Ion:107 Resp: 1002

Ion Ratio Lower Upper

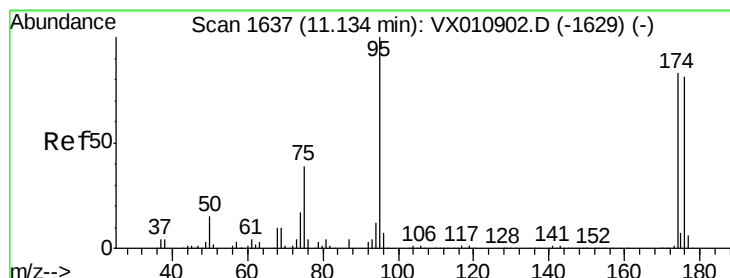
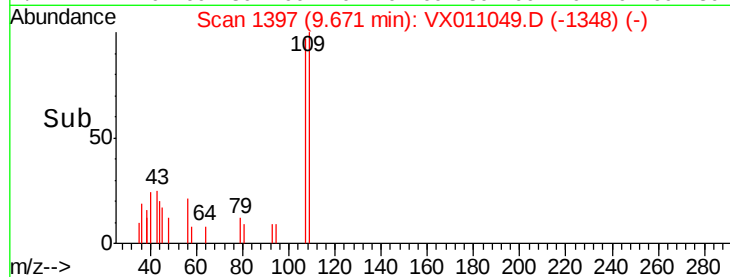
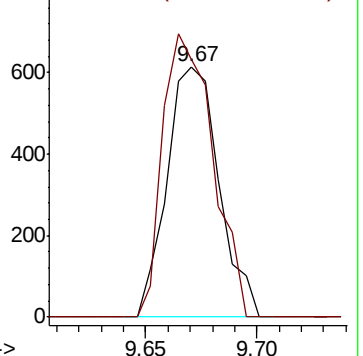
107 100

109 108.7 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.920 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

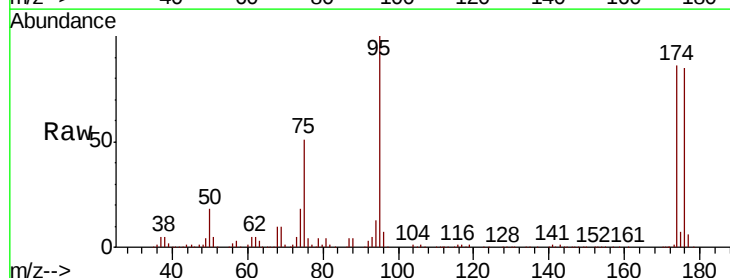
Tgt Ion: 95 Resp: 129625

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.6

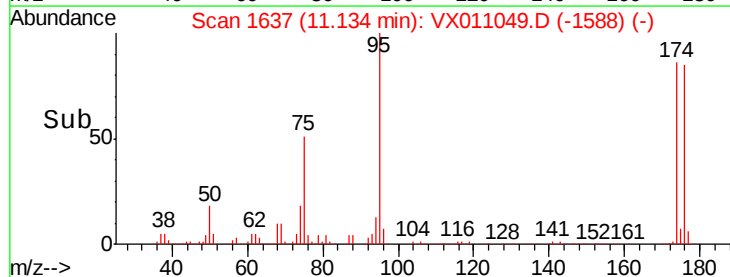
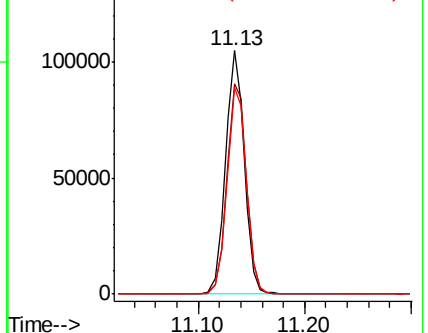
176 87.5 0.0 173.8

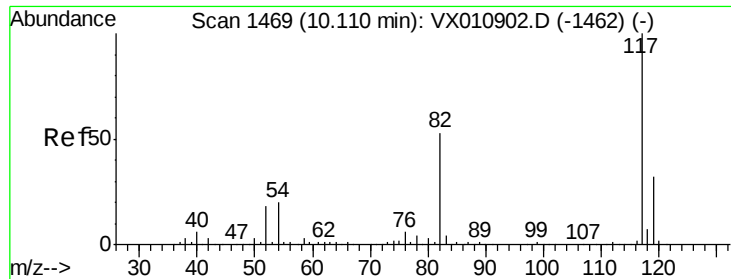


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

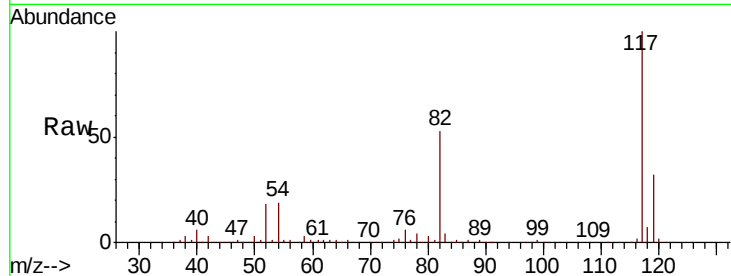




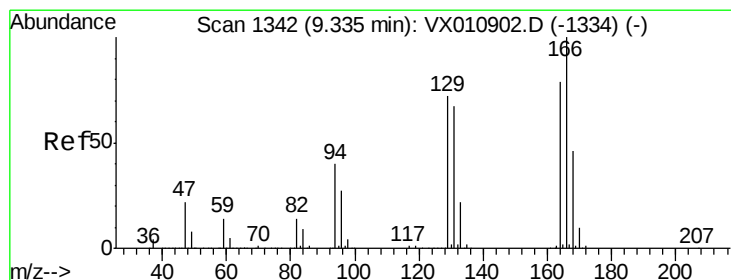
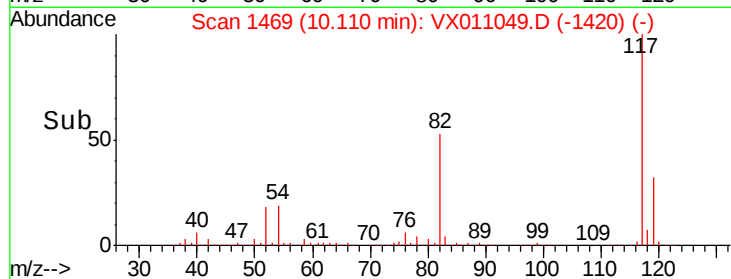
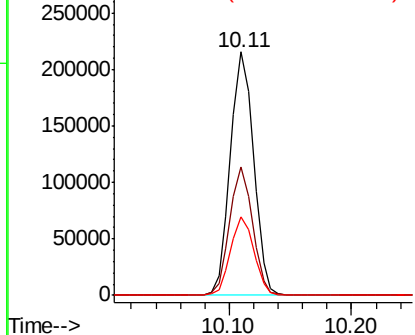
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 285190
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 32.3 25.9 38.9

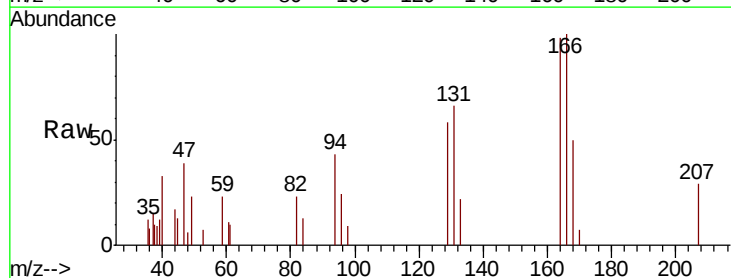


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

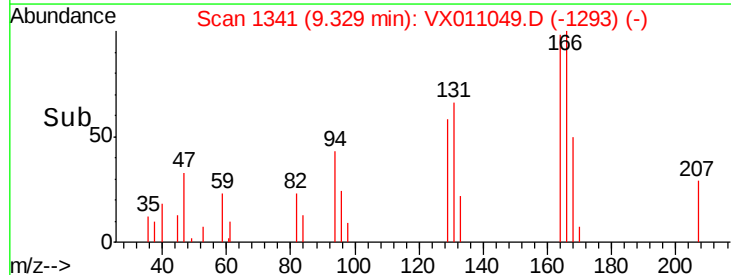
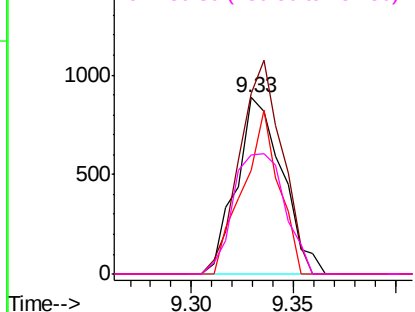


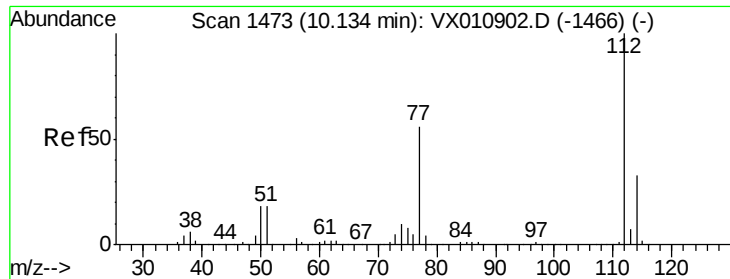
#64
Tetrachloroethene
Concen: 0.619 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion:164 Resp: 1389
Ion Ratio Lower Upper
164 100
166 102.4 100.8 151.2
129 59.1 72.6 109.0#
131 67.7 67.7 101.5



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

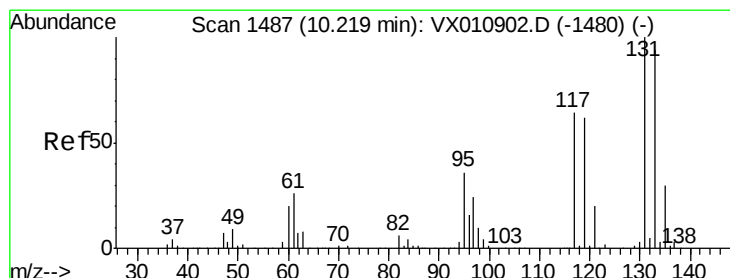
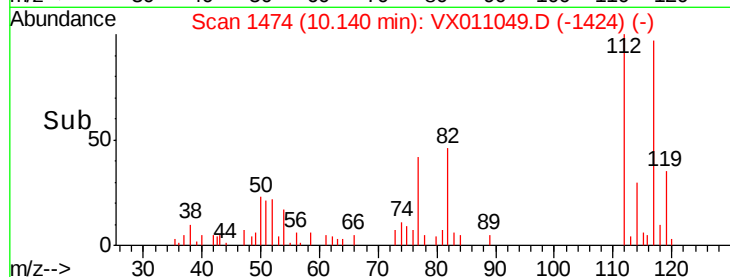
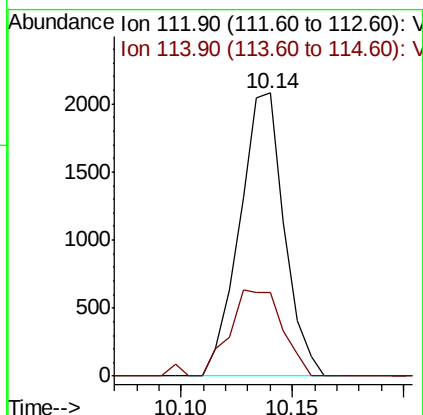
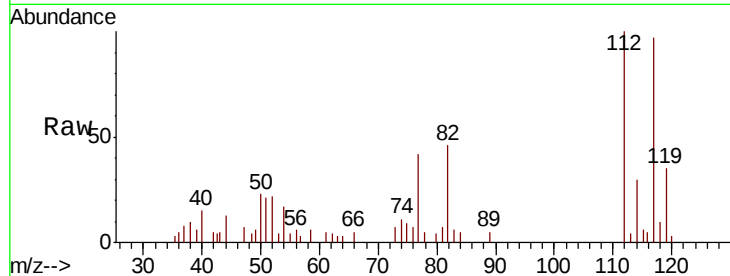




#65
Chlorobenzene
Concen: 0.497 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

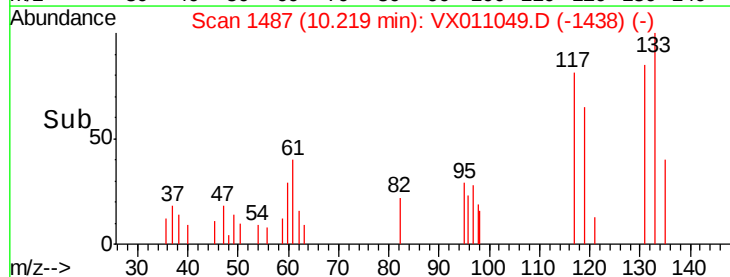
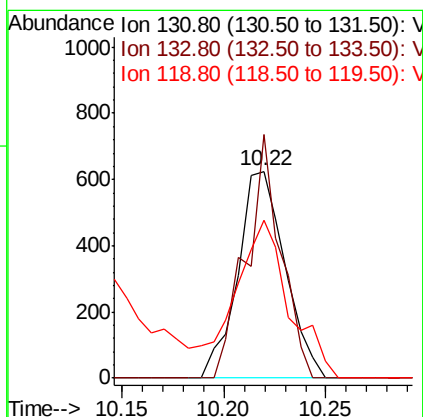
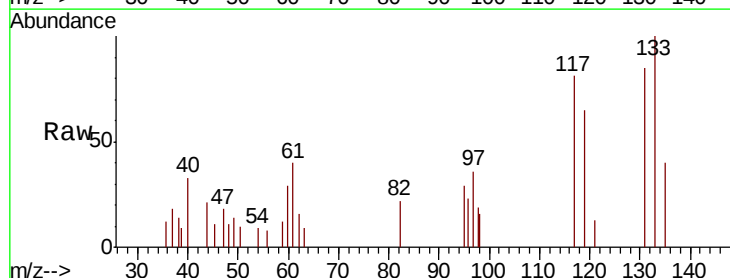
Instrument :
MSVOA_X
ClientSampled :

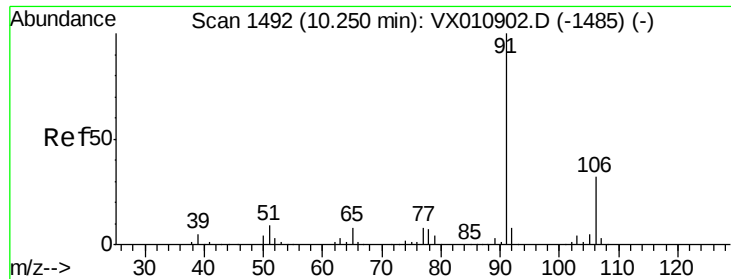
Tot Ion:112 Resp: 2911
Ion Ratio Lower Upper
112 100
114 29.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 0.489 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion:131 Resp: 1007
Ion Ratio Lower Upper
131 100
133 86.5 47.1 141.4
119 0.0 31.9 95.7#





#67

Ethyl Benzene

Concen: 0.490 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

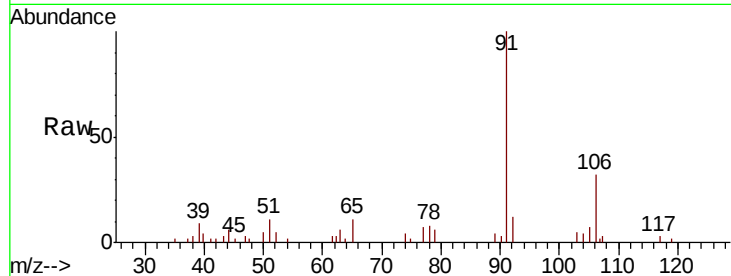
ClientSampled :

Tot Ion: 91 Resp: 4884

Ion Ratio Lower Upper

91 100

106 32.4 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX010902.D (-1485) (-)

10.25

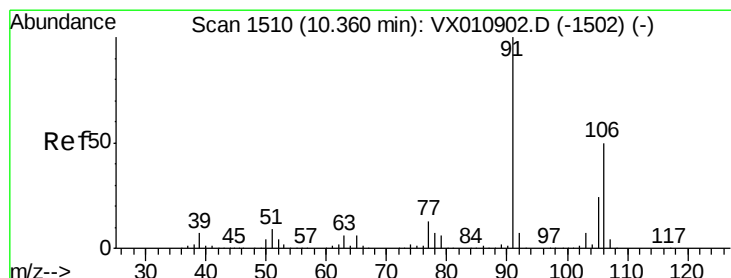
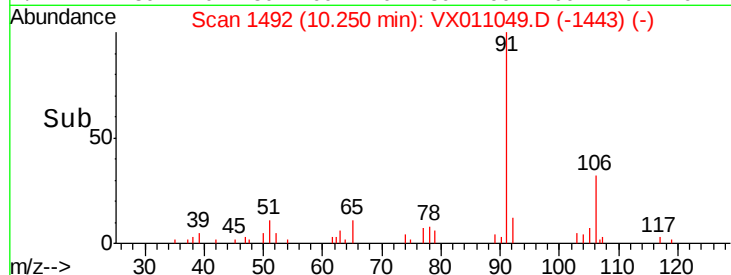
3000

2000

1000

0

Time-->



#68

m/p-Xylenes

Concen: 0.941 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011049.D

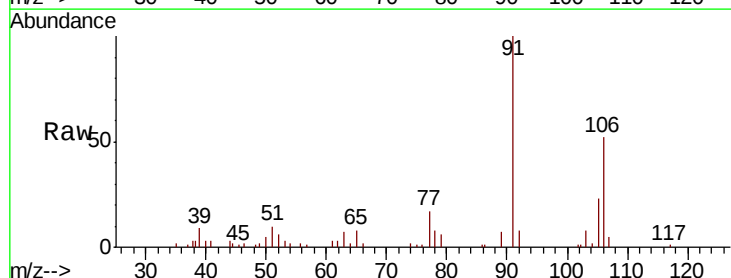
Acq: 23 Jul 2019 10:55

Tgt Ion: 106 Resp: 3598

Ion Ratio Lower Upper

106 100

91 208.2 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VX010902.D (-1502) (-)

Ion 91.00 (90.70 to 91.70): VX010902.D (-1502) (-)

10.36

5000

4000

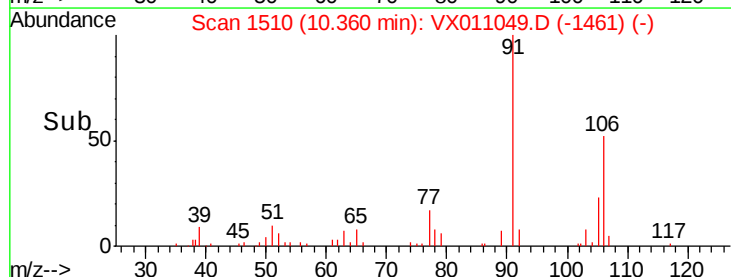
3000

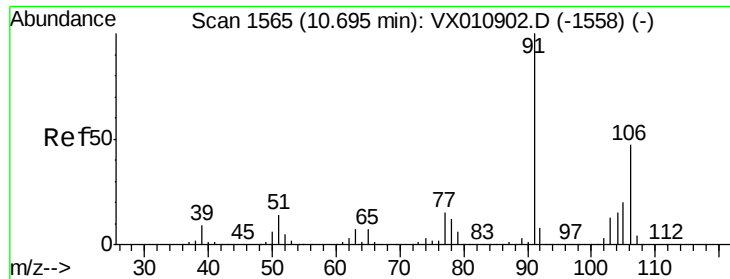
2000

1000

0

Time-->

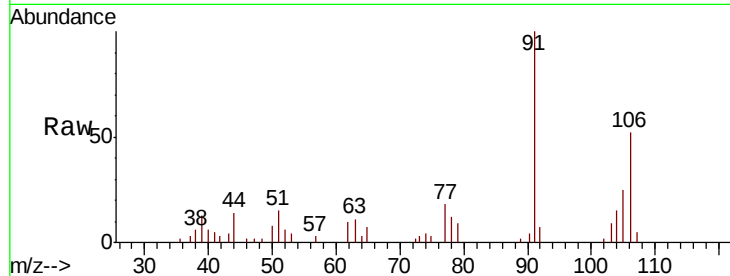




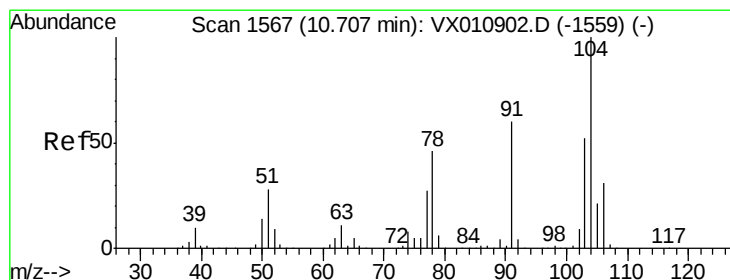
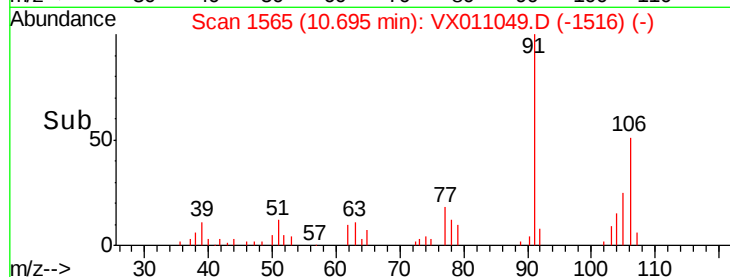
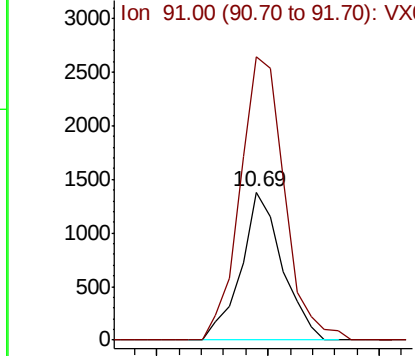
#69
o-Xylene
Concen: 0.477 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 1782
Ion Ratio Lower Upper
106 100
91 206.6 105.1 315.3

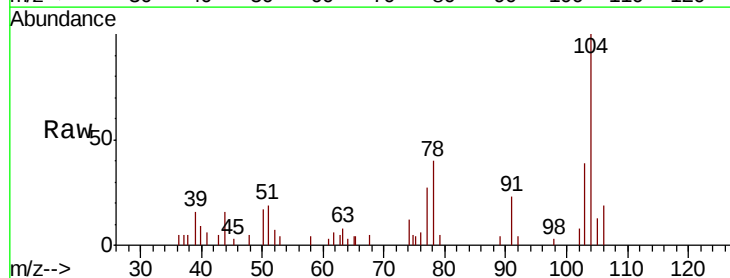


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

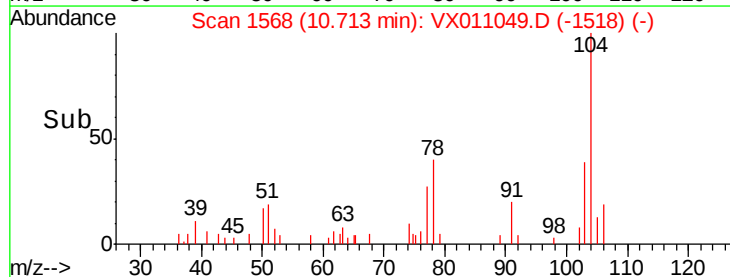
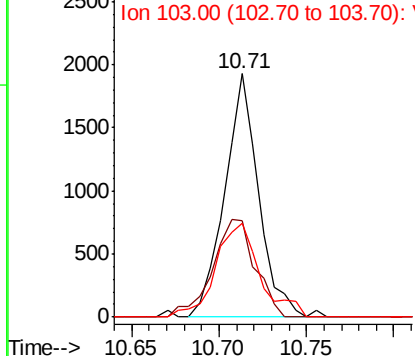


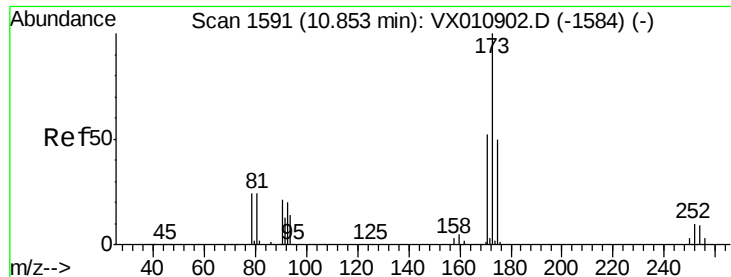
#70
Styrene
Concen: 0.419 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion:104 Resp: 2609
Ion Ratio Lower Upper
104 100
78 50.1 38.8 58.2
103 49.9 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.897 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

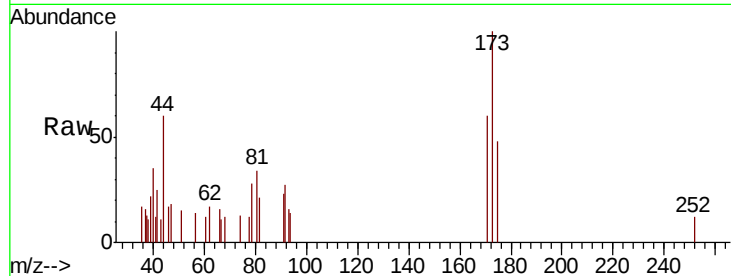
Tot Ion:173 Resp: 686

Ion Ratio Lower Upper

173 100

175 42.1 24.6 73.6

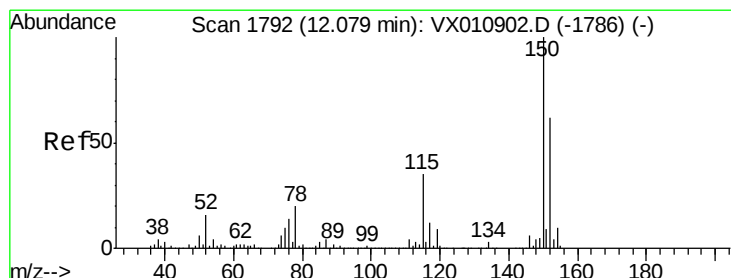
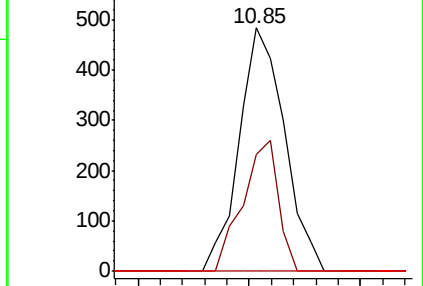
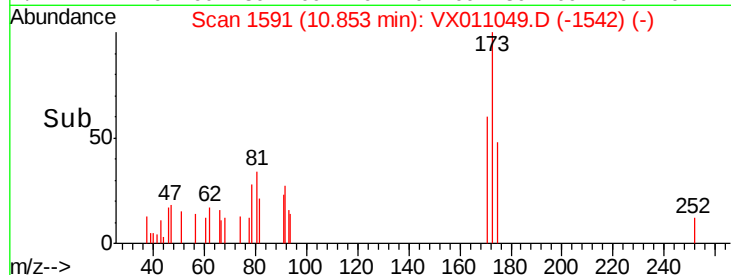
254 0.0 0.1 0.1#



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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

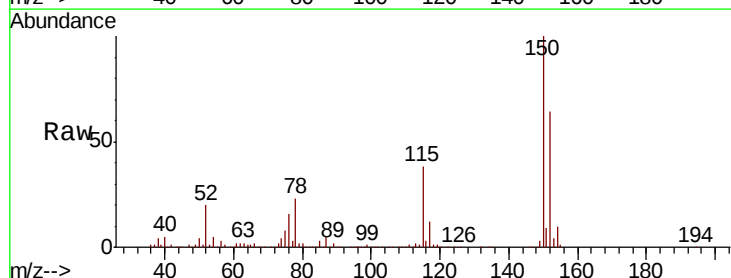
Tgt Ion:152 Resp: 140874

Ion Ratio Lower Upper

152 100

115 57.3 39.7 119.1

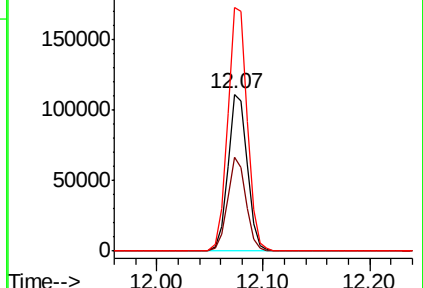
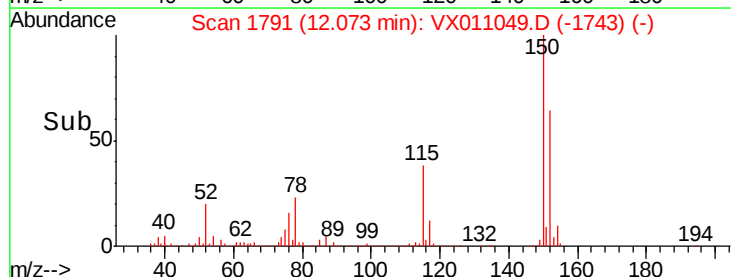
150 157.2 0.0 345.6

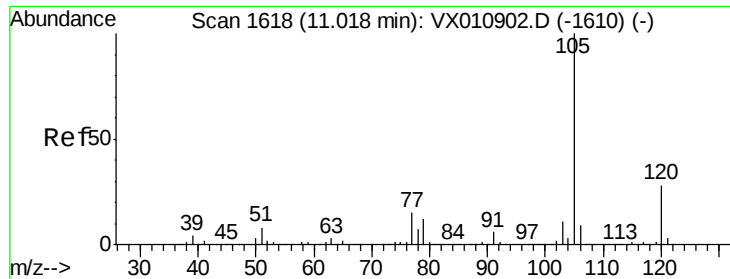


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.491 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

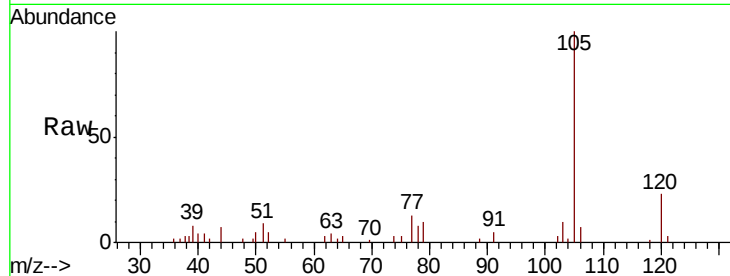
ClientSampleId :

Tot Ion:105 Resp: 4673

Ion Ratio Lower Upper

105 100

120 26.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

4000

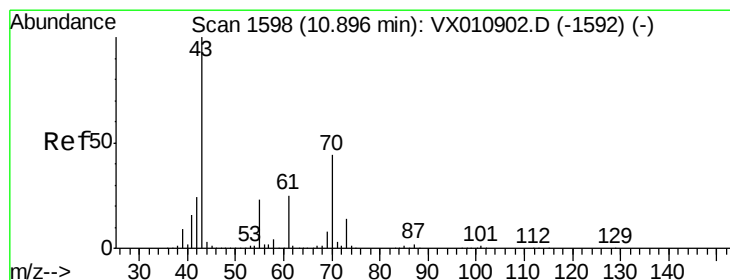
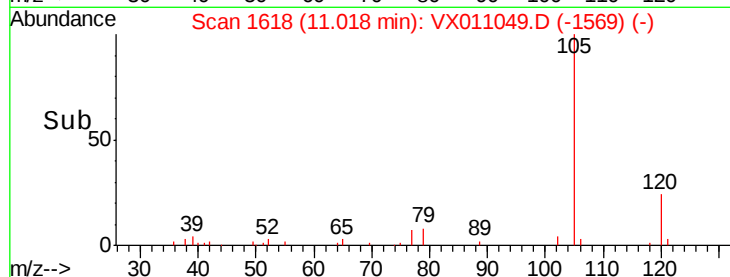
3000

2000

1000

0

Time--> 10.95 11.00 11.05



#74

N-ethyl acetate

Concen: 0.395 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Tgt Ion: 43 Resp: 1436

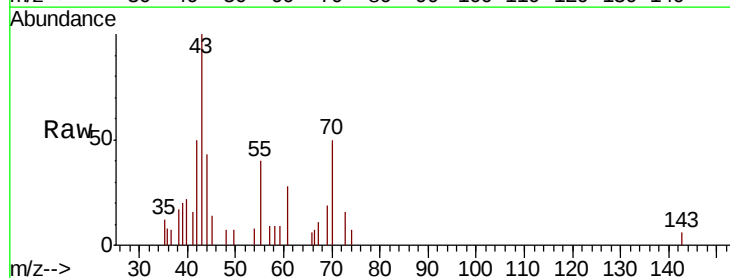
Ion Ratio Lower Upper

43 100

70 50.4 34.7 52.1

55 41.8 19.1 28.7#

61 28.8 19.9 29.9



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

10.90

1200

1000

800

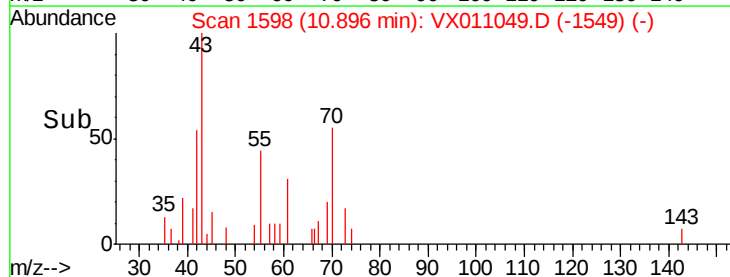
600

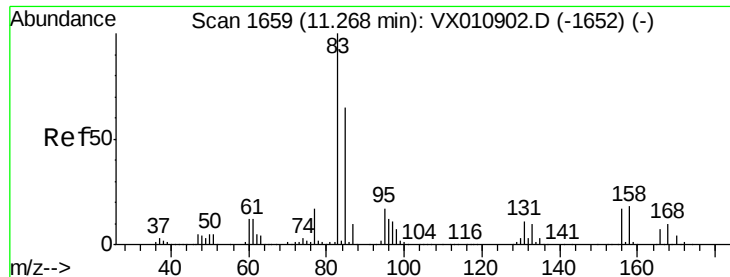
400

200

0

Time--> 10.85 10.90 10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 0.468 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

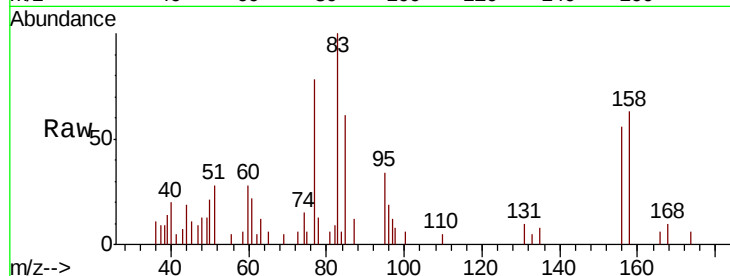
Tot Ion: 83 Resp: 1457

Ion Ratio Lower Upper

83 100

131 12.9 5.5 16.4

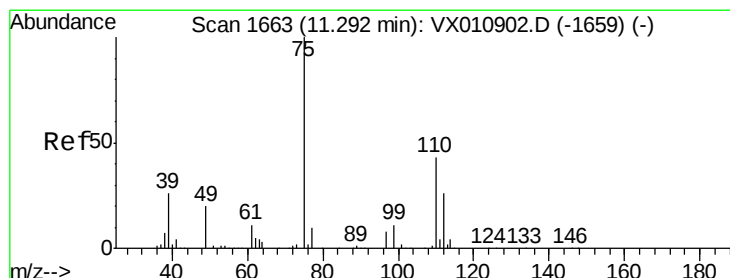
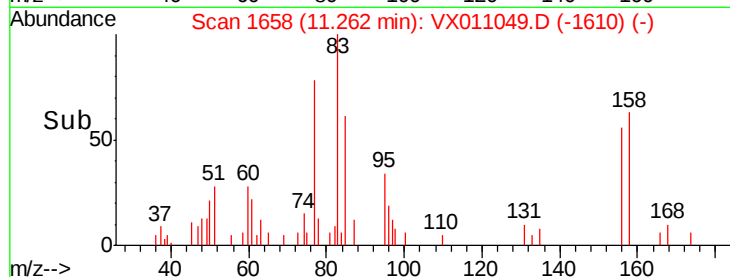
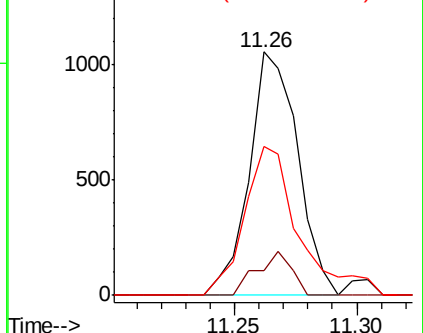
85 68.9 32.3 96.9



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: 25.624 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011049.D

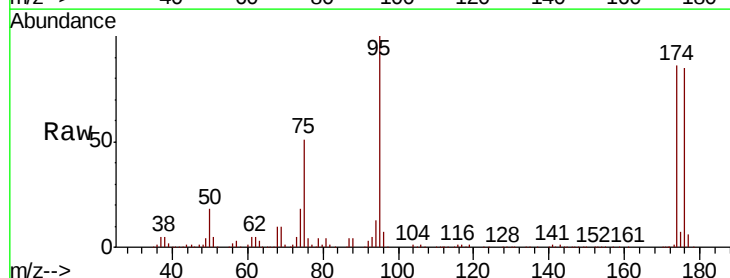
Acq: 23 Jul 2019 10:55

Tgt Ion: 75 Resp: 65141

Ion Ratio Lower Upper

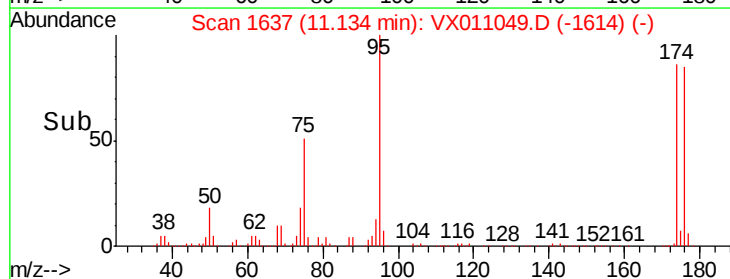
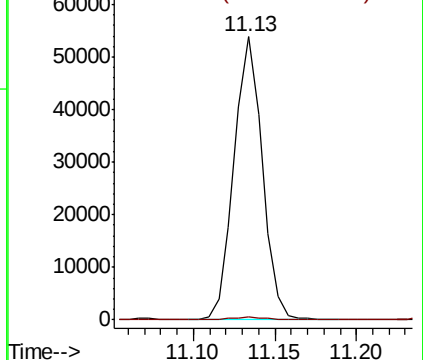
75 100

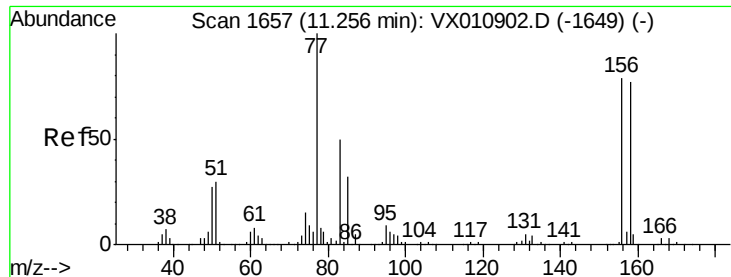
77 1.2 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.518 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

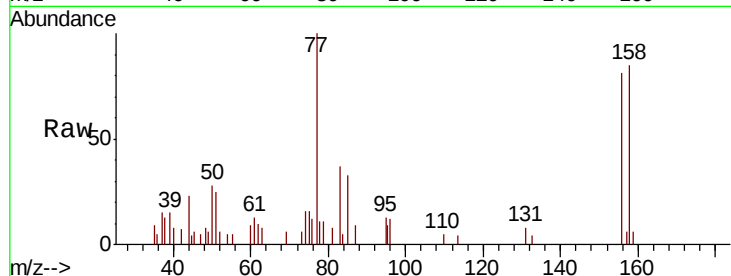
Tot Ion:156 Resp: 1359

Ion Ratio Lower Upper

156 100

77 150.0 68.7 206.1

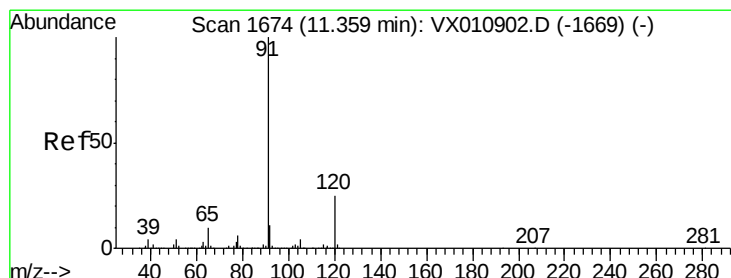
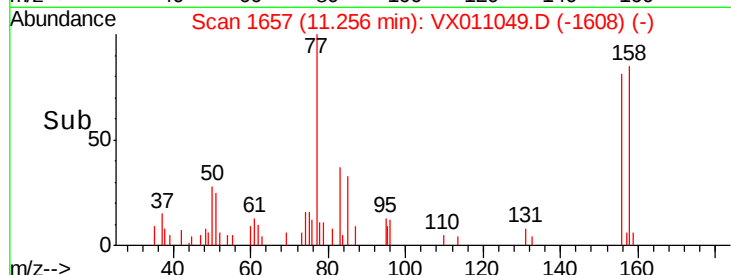
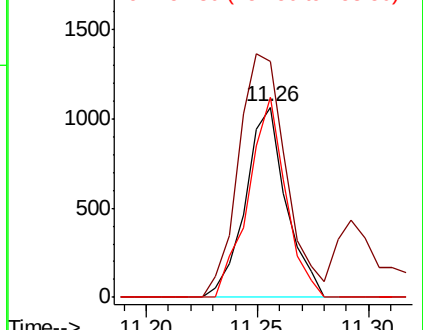
158 96.2 47.9 143.7



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: 0.468 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011049.D

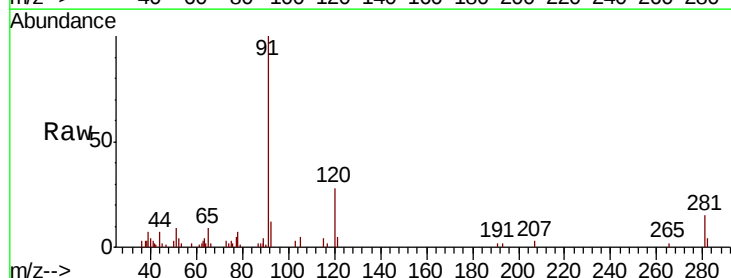
Acq: 23 Jul 2019 10:55

Tgt Ion: 91 Resp: 4924

Ion Ratio Lower Upper

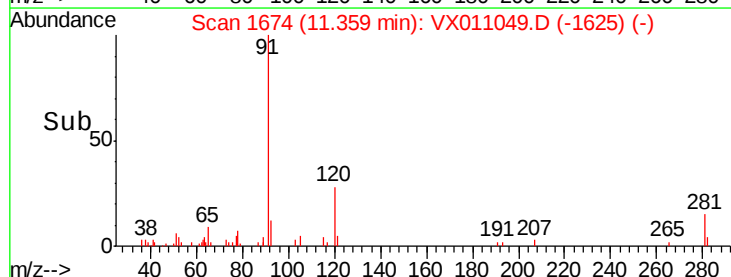
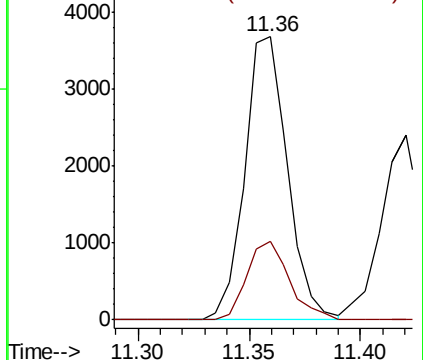
91 100

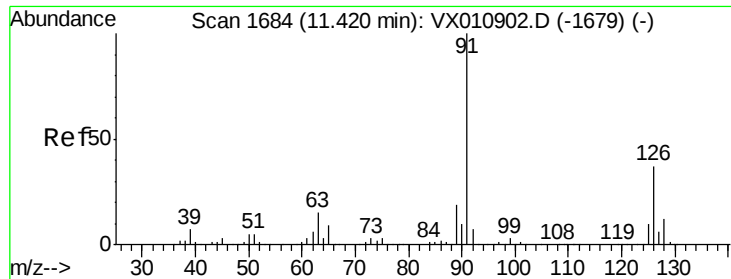
120 27.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

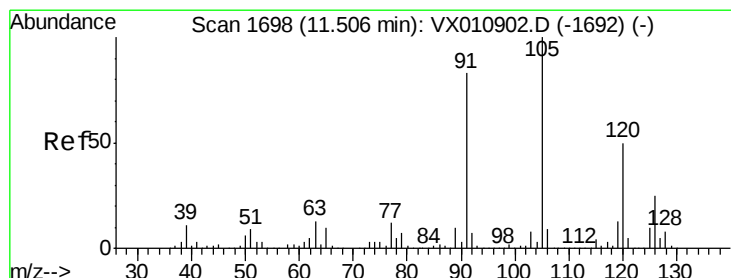
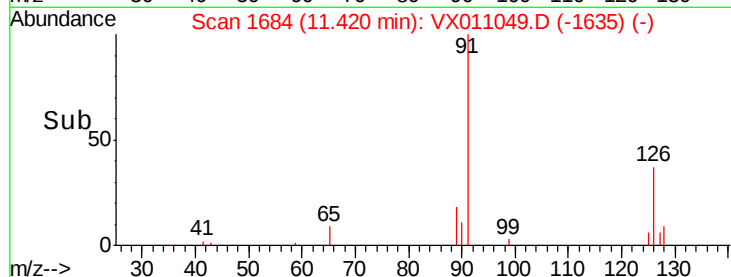
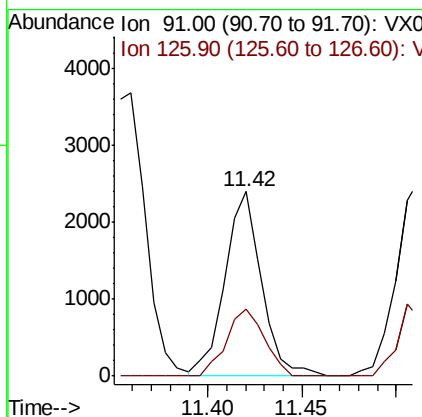
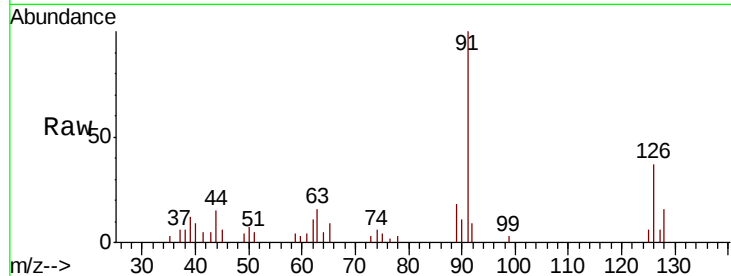




#79
 2-Chlorotoluene
 Concen: 0.515 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011049.D
 Acq: 23 Jul 2019 10:55

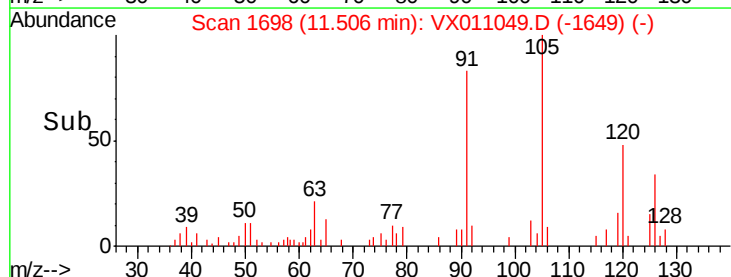
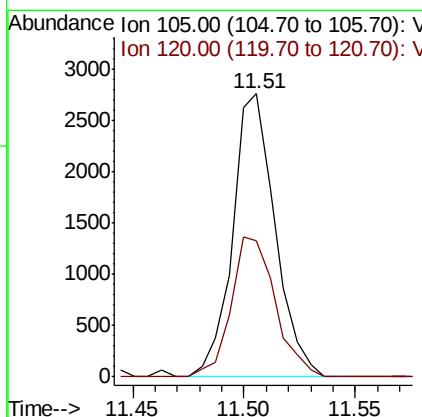
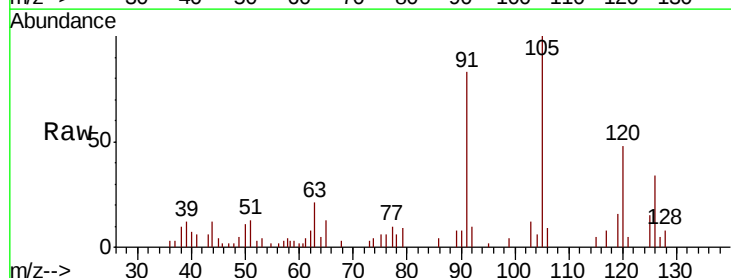
Instrument :
 MSVOA_X
 ClientSampled :

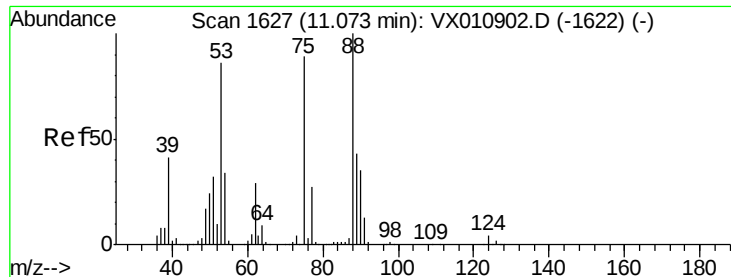
Tot Ion: 91 Resp: 3251
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 0.460 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011049.D
 Acq: 23 Jul 2019 10:55

Tgt Ion: 105 Resp: 3661
 Ion Ratio Lower Upper
 105 100
 120 51.4 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 63.733 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

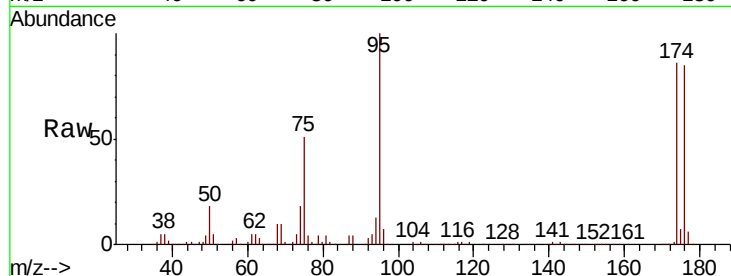
Tot Ion: 75 Resp: 65141

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

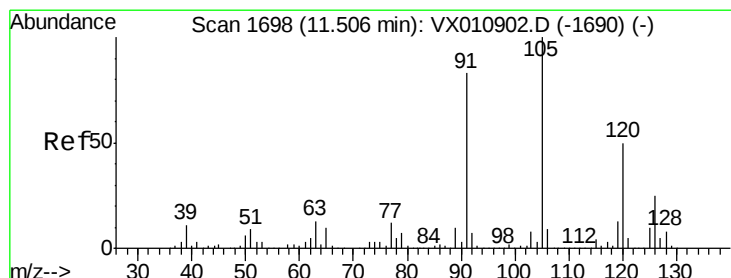
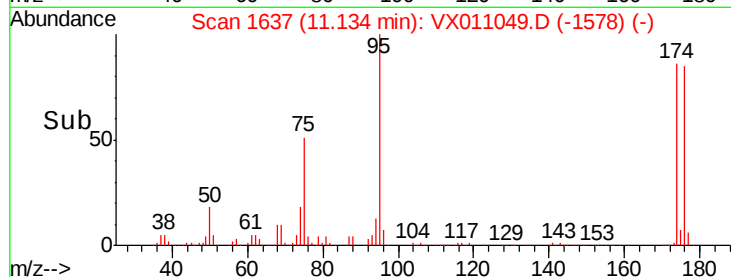
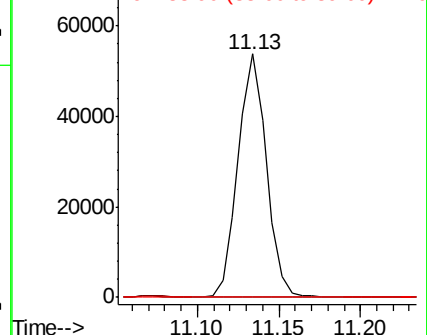
89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.479 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX011049.D

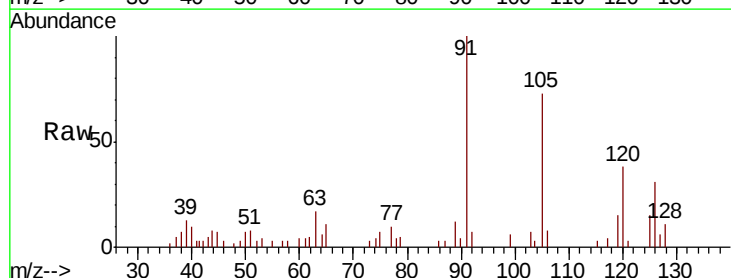
Acq: 23 Jul 2019 10:55

Tgt Ion: 91 Resp: 3522

Ion Ratio Lower Upper

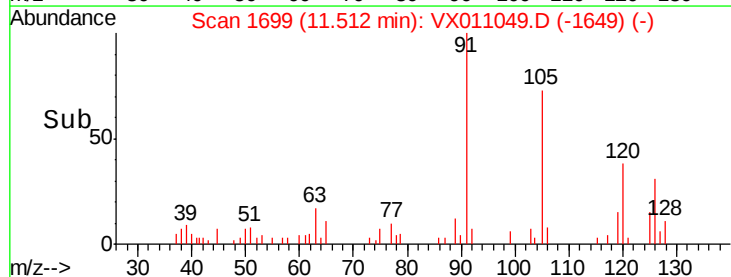
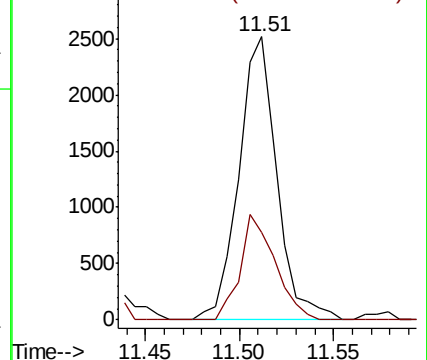
91 100

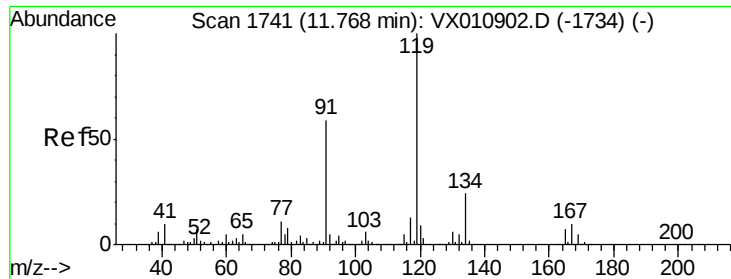
126 34.2 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

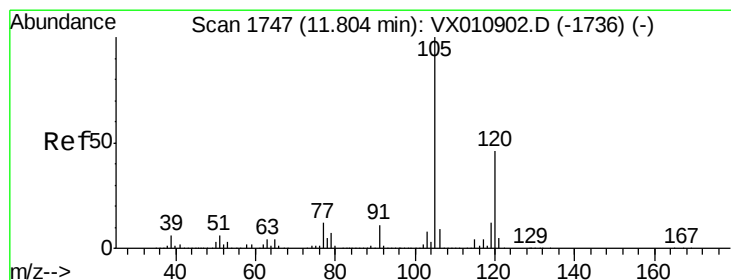
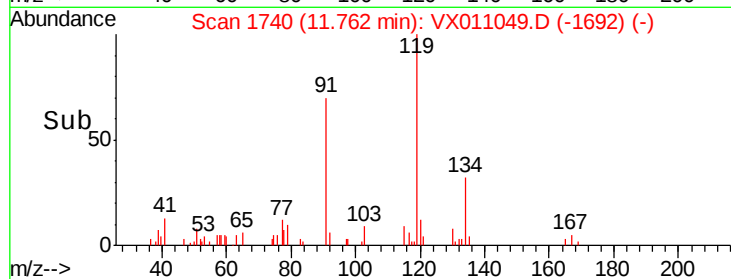
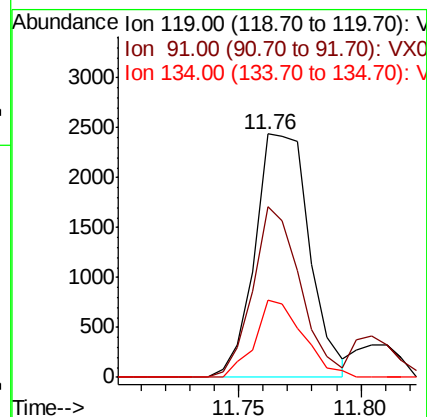
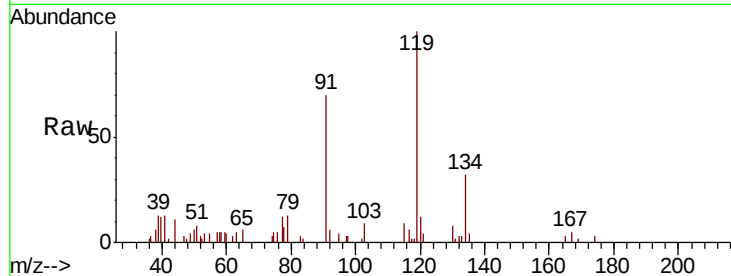




#83
tert-Butylbenzene
Concen: 0.486 ug/l
RT: 11.76 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

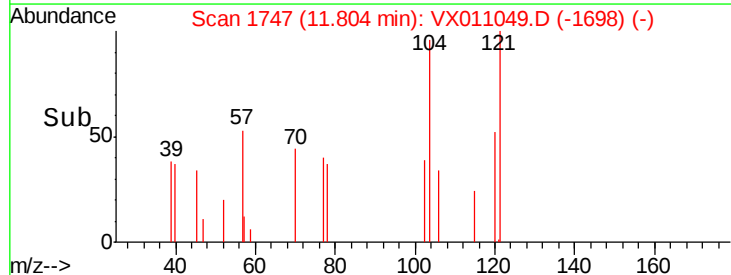
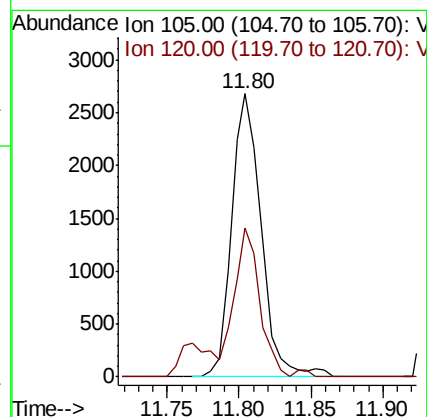
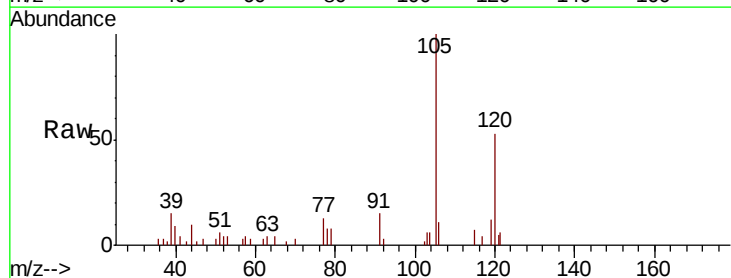
Instrument :
MSVOA_X
ClientSampleId :

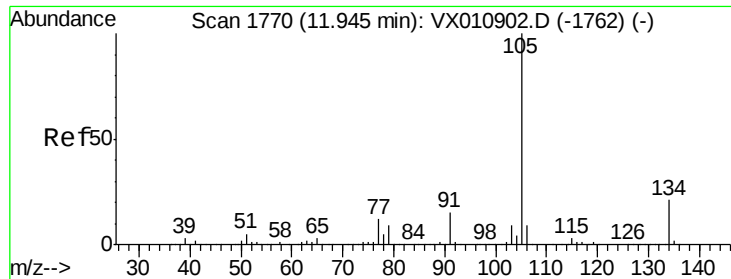
Tot Ion:119 Resp: 3797
Ion Ratio Lower Upper
119 100
91 61.2 28.6 85.8
134 28.1 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 0.480 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011049.D
Acq: 23 Jul 2019 10:55

Tgt Ion:105 Resp: 3846
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.5





#85

sec-Butylbenzene

Concen: 0.443 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

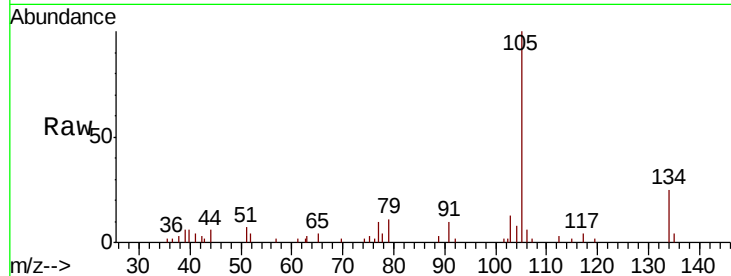
ClientSampleId :

Tot Ion:105 Resp: 4059

Ion Ratio Lower Upper

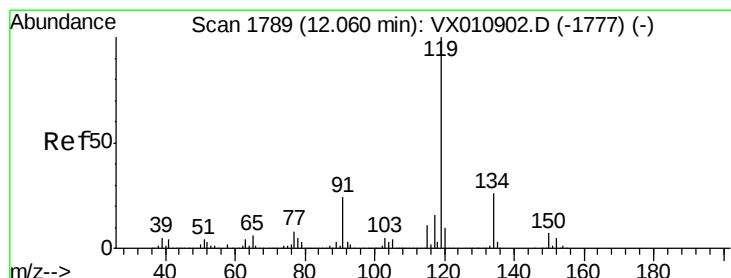
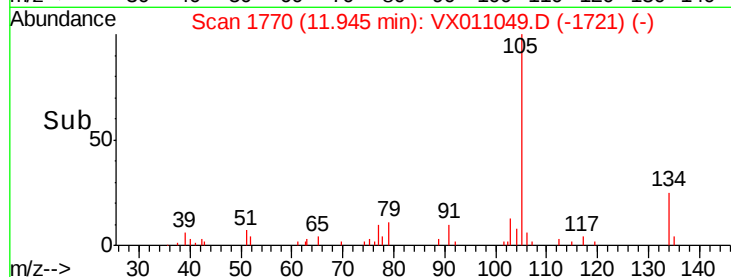
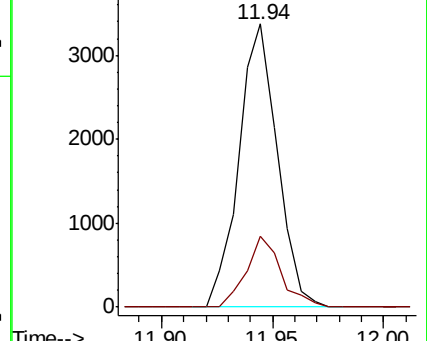
105 100

134 22.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.418 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

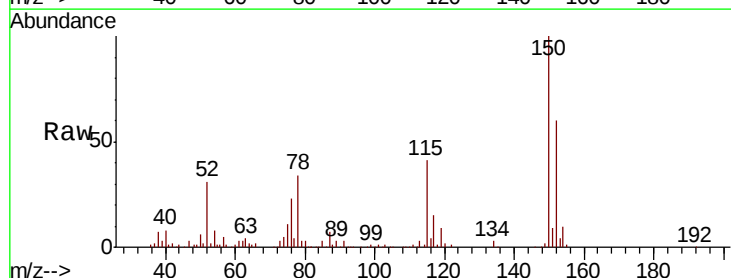
Tgt Ion:119 Resp: 3540

Ion Ratio Lower Upper

119 100

134 36.5 13.4 40.1

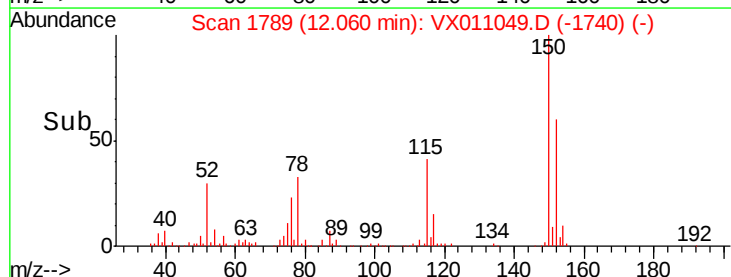
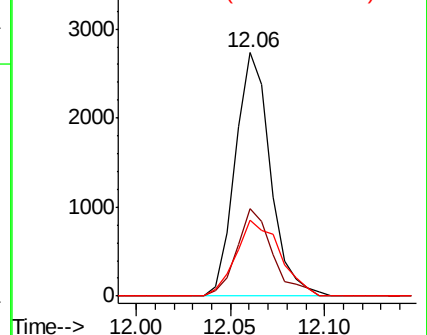
91 38.8 11.8 35.4#

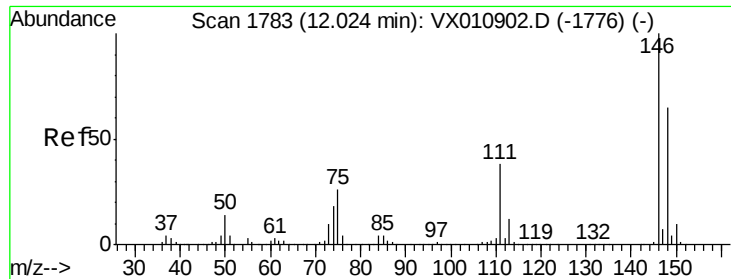


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 0.545 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampled :

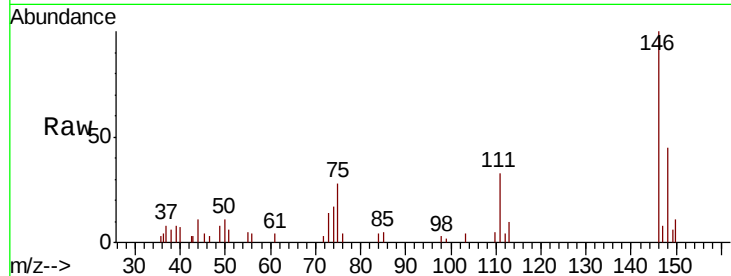
Tot Ion:146 Resp: 2484

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.9

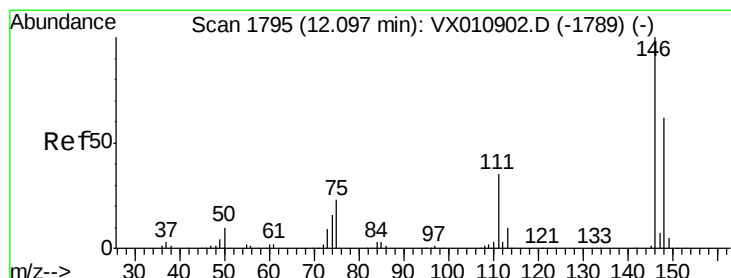
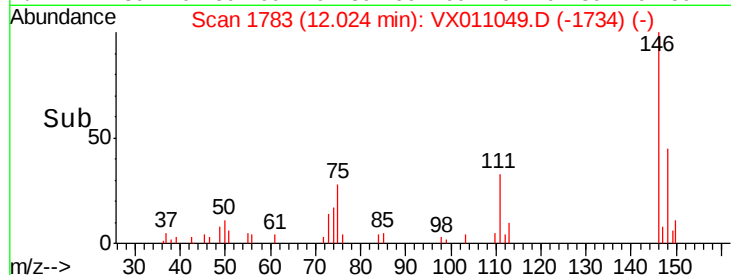
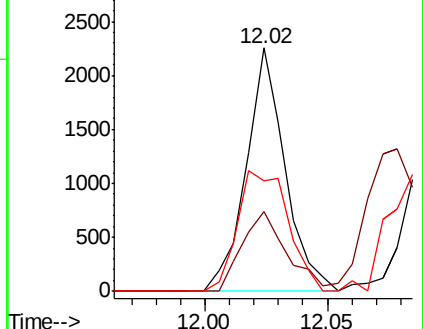
148 64.3 32.2 96.6



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: 0.532 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

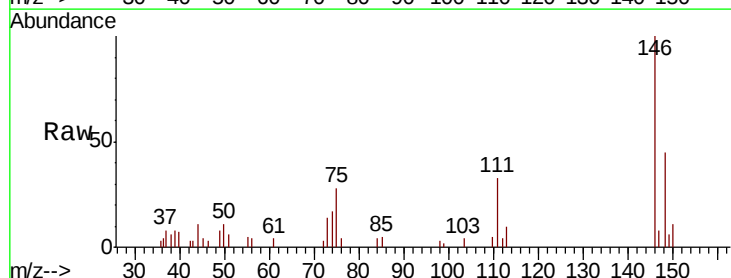
Tgt Ion:146 Resp: 2484

Ion Ratio Lower Upper

146 100

111 37.9 18.6 55.8

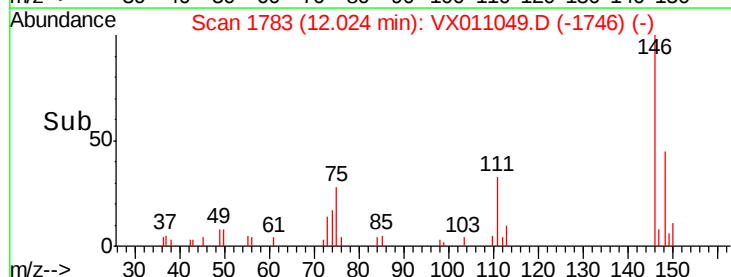
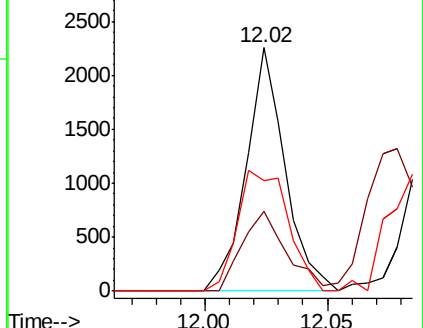
148 64.3 31.6 94.7

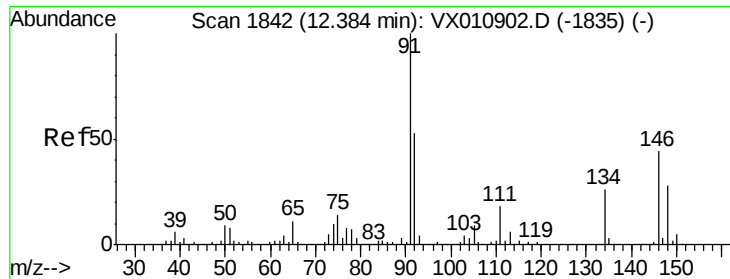


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.416 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

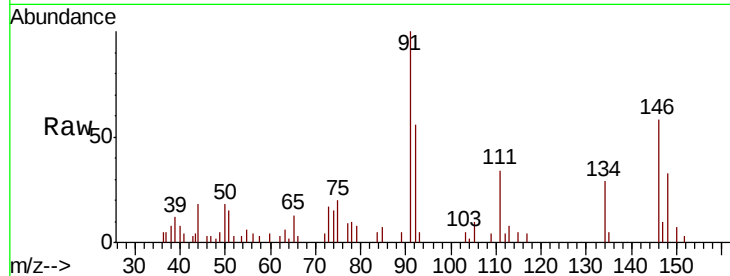
Tot Ion: 91 Resp: 3010

Ion Ratio Lower Upper

91 100

92 56.0 26.2 78.5

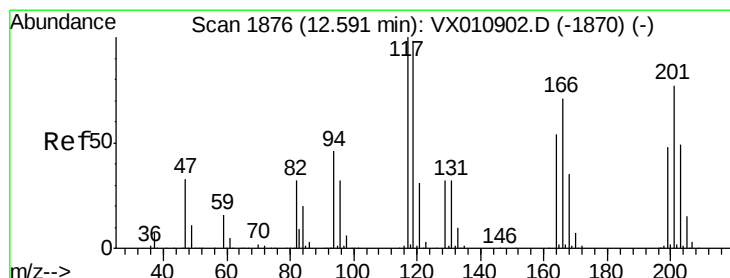
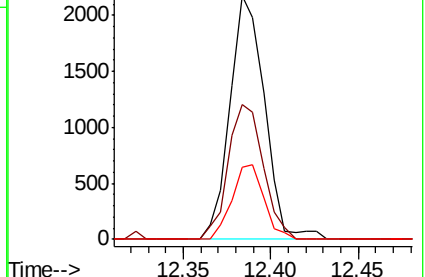
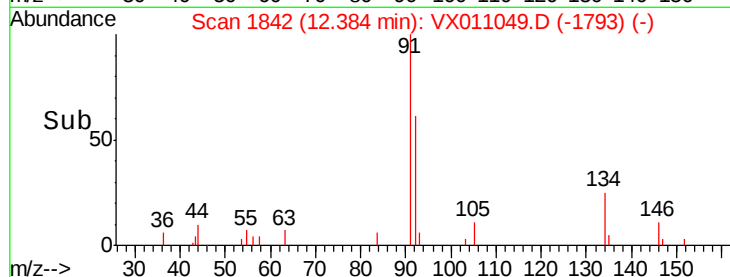
134 28.0 13.8 41.3



Abundance Ion 91.00 (90.70 to 91.70): VX011049.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX011049.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX011049.D (-1793) (-)



#90

Hexachloroethane

Concen: 0.411 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX011049.D

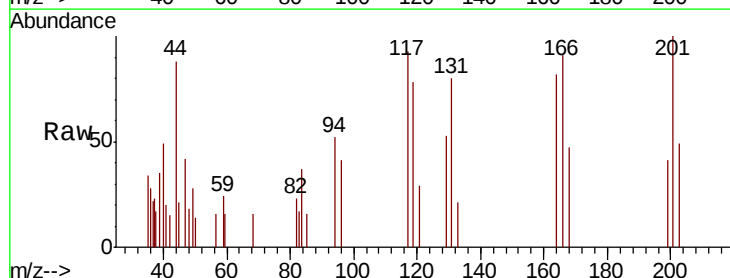
Acq: 23 Jul 2019 10:55

Tgt Ion: 117 Resp: 548

Ion Ratio Lower Upper

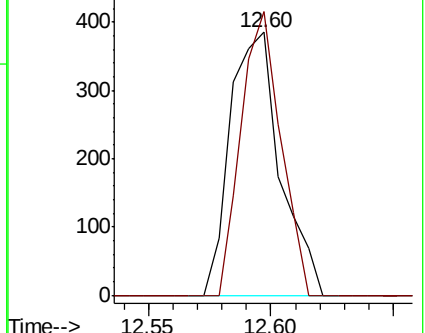
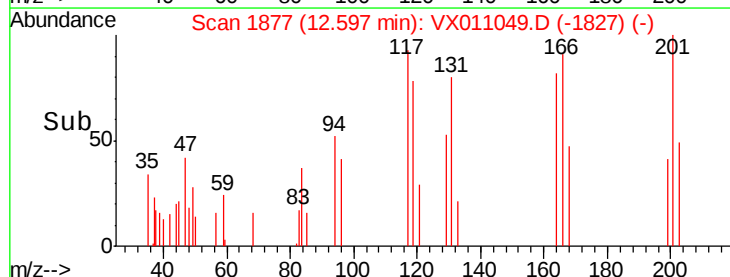
117 100

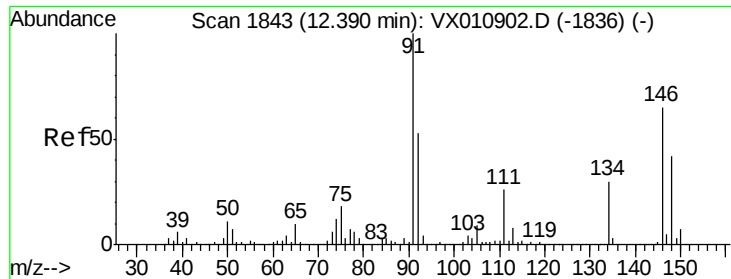
201 85.4 43.3 129.8



Abundance Ion 116.80 (116.50 to 117.50): VX011049.D (-1827) (-)

Ion 200.70 (200.40 to 201.40): VX011049.D (-1827) (-)





#91

1,2-Dichlorobenzene

Concen: 0.508 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampled :

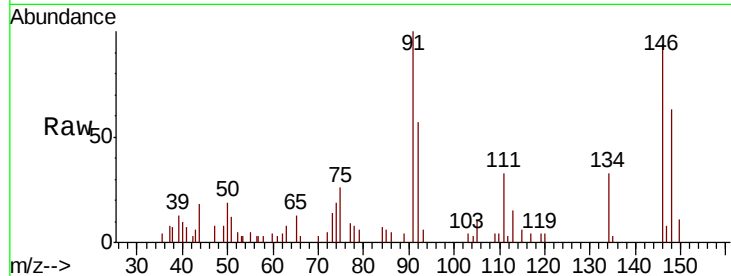
Tot Ion:146 Resp: 2294

Ion Ratio Lower Upper

146 100

111 44.4 19.9 59.7

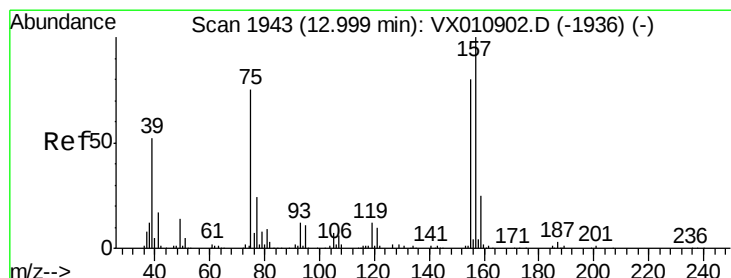
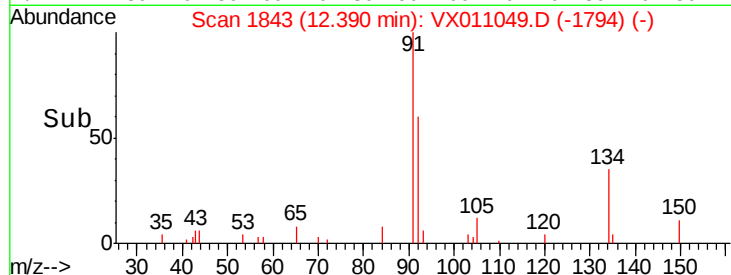
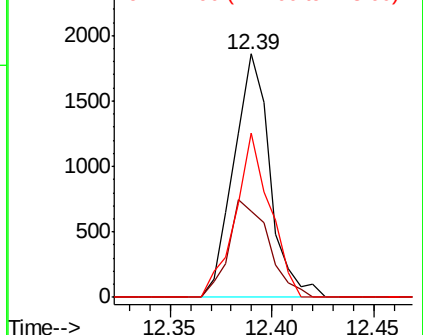
148 64.6 32.0 96.2



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: 0.498 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

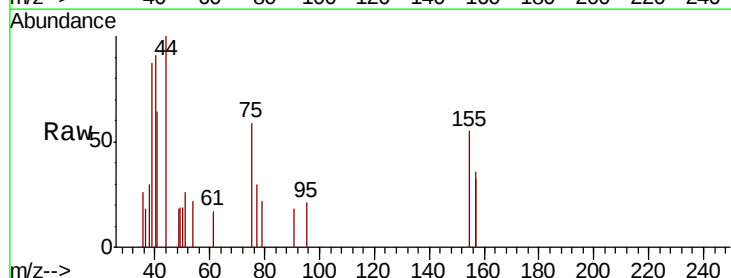
Tgt Ion: 75 Resp: 324

Ion Ratio Lower Upper

75 100

155 73.1 48.7 146.1

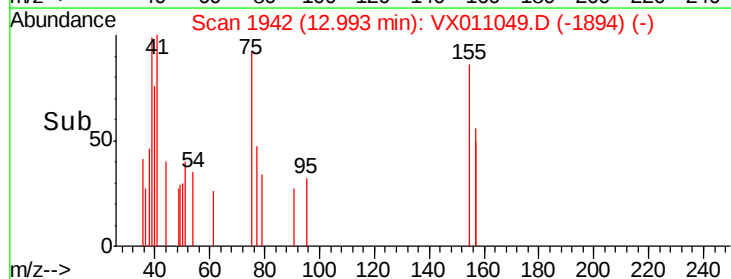
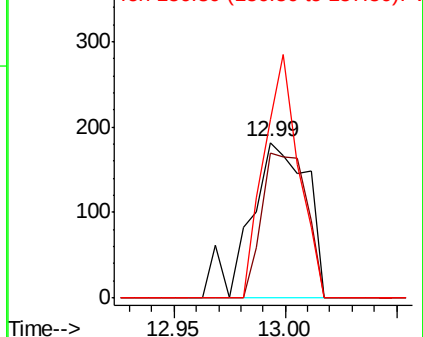
157 96.0 62.5 187.6

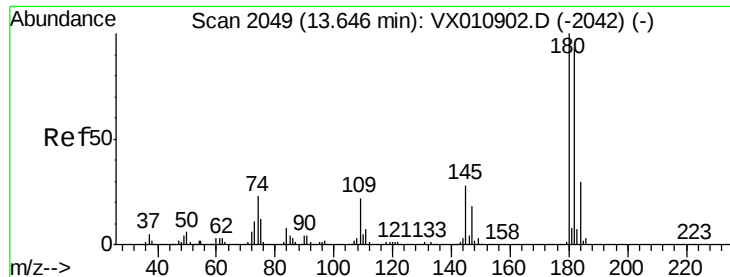


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

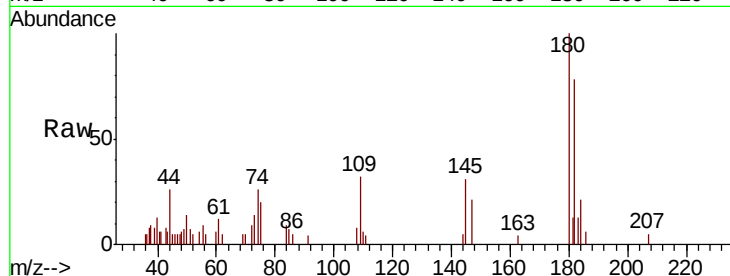




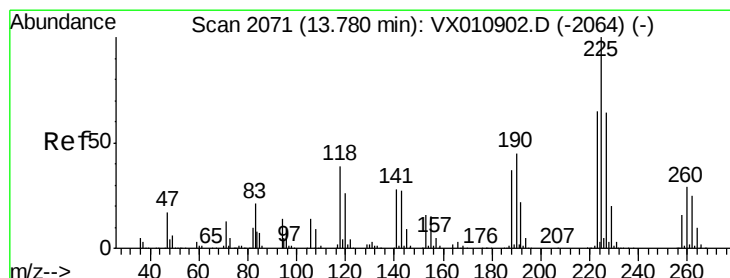
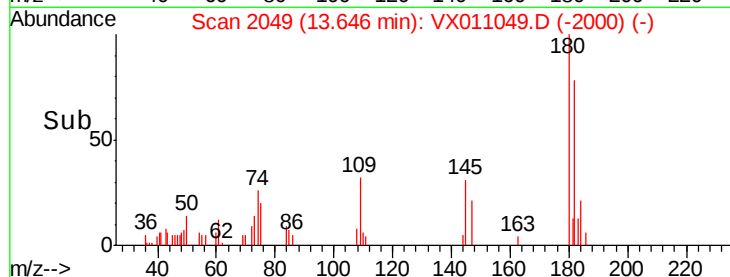
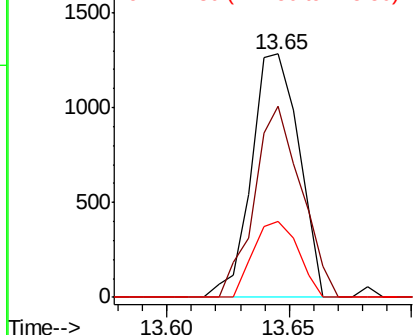
#93
 1,2,4-Trichlorobenzene
 Concen: 0.565 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011049.D
 Acq: 23 Jul 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 1730
 Ion Ratio Lower Upper
 180 100
 182 78.0 47.1 141.3
 145 29.4 14.8 44.4

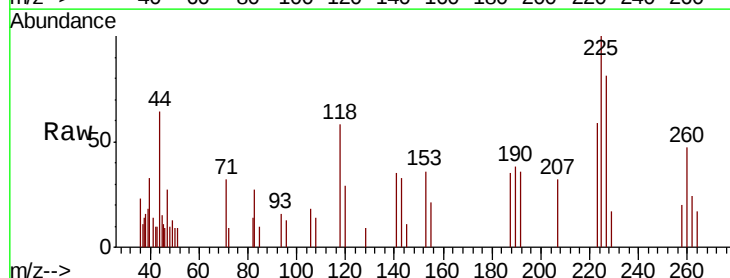


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

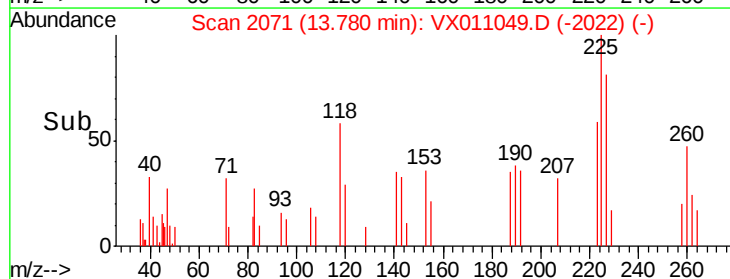
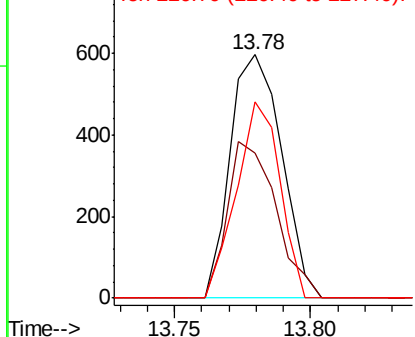


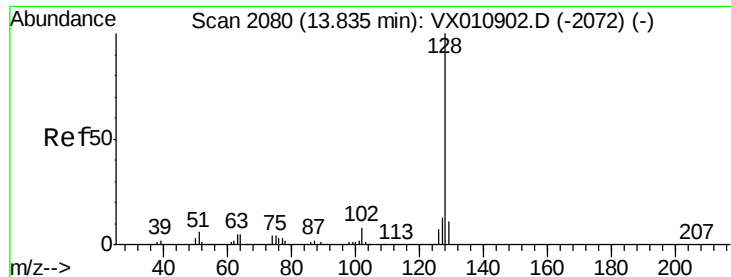
#94
 Hexachlorobutadiene
 Concen: 0.516 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011049.D
 Acq: 23 Jul 2019 10:55

Tgt Ion:225 Resp: 782
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.9 95.9
 227 68.2 32.5 97.4



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: 0.432 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

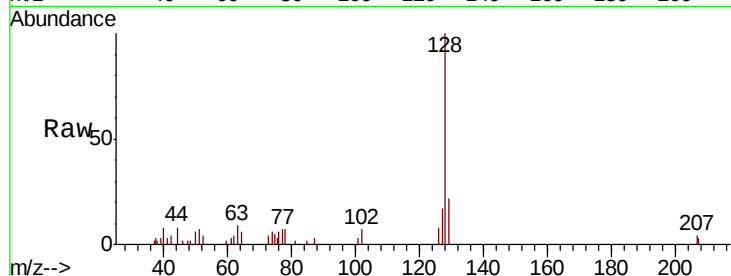
Tot Ion:128 Resp: 3903

Ion Ratio Lower Upper

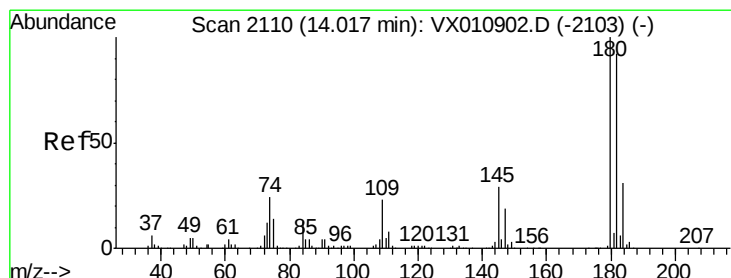
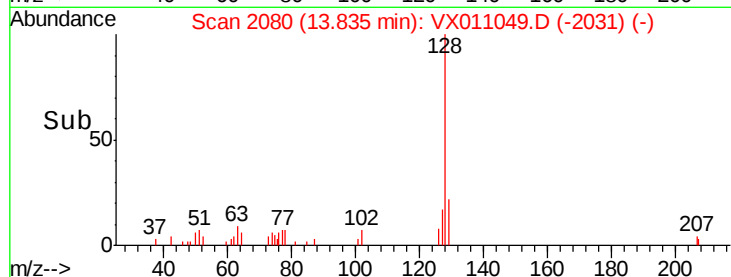
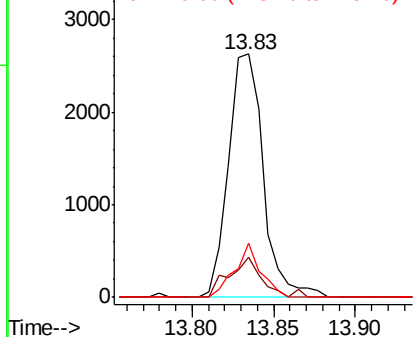
128 100

127 15.1 10.4 15.6

129 16.5 8.9 13.3#



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: 0.540 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011049.D

Acq: 23 Jul 2019 10:55

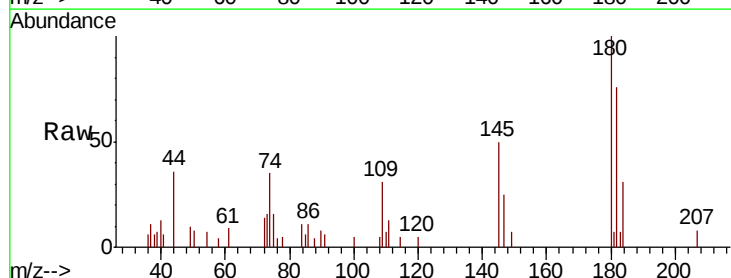
Tgt Ion:180 Resp: 1643

Ion Ratio Lower Upper

180 100

182 94.3 47.4 142.3

145 40.0 15.1 45.3



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

