

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010167.D
 Acq On : 10 Jun 2019 11:05
 Operator : JC/SP
 Sample : VX0610WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

Quant Time: Jun 11 02:34:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	279076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	405486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	361192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	191329	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	119022	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	
35) Dibromofluoromethane	5.49	113	118699	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.71	98	452375	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.13	95	166266	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	45672	17.786	ug/l	98
3) Chloromethane	1.32	50	42397	16.625	ug/l	100
4) Vinyl Chloride	1.41	62	43497	18.148	ug/l	99
5) Bromomethane	1.64	94	19576	21.644	ug/l	95
6) Chloroethane	1.72	64	24700	20.440	ug/l	97
7) Trichlorofluoromethane	1.93	101	66903	18.791	ug/l	99
8) Diethyl Ether	2.18	74	22762	18.549	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	40995	16.704	ug/l	91
10) Methyl Iodide	2.51	142	61076	16.062	ug/l	97
11) Tert butyl alcohol	3.04	59	52363	78.467	ug/l	98
12) 1,1-Dichloroethene	2.37	96	40211	16.041	ug/l #	75
13) Acrolein	2.29	56	16338	134.269	ug/l	94
14) Allyl chloride	2.73	41	58312	15.411	ug/l #	88
15) Acrylonitrile	3.14	53	106165	77.833	ug/l	98
16) Acetone	2.44	43	100799	78.672	ug/l #	87
17) Carbon Disulfide	2.57	76	110716	15.286	ug/l	100
18) Methyl Acetate	2.77	43	42545	15.099	ug/l #	81
19) Methyl tert-butyl Ether	3.19	73	124578	15.469	ug/l	94
20) Methylene Chloride	2.85	84	43988	15.633	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	42036	15.153	ug/l #	81
22) Diisopropyl ether	3.85	45	116041	16.040	ug/l #	84
23) Vinyl Acetate	3.81	43	515340	79.850	ug/l #	89
24) 1,1-Dichloroethane	3.70	63	67928	15.465	ug/l	94
25) 2-Butanone	4.67	43	149184	78.193	ug/l #	81
26) 2,2-Dichloropropane	4.58	77	62054	15.486	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	49805	16.139	ug/l	76
28) Bromochloromethane	5.01	49	34097	17.321	ug/l #	47
29) Tetrahydrofuran	5.13	42	92344	77.015	ug/l #	74
30) Chloroform	5.21	83	71480	15.670	ug/l	98
31) Cyclohexane	5.57	56	65897	16.623	ug/l #	76
32) 1,1,1-Trichloroethane	5.49	97	65911	15.369	ug/l	94
36) 1,1-Dichloropropene	5.79	75	54063	16.342	ug/l	91
37) Ethyl Acetate	4.83	43	54656	15.879	ug/l #	90
38) Carbon Tetrachloride	5.78	117	60195	16.076	ug/l	98

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 Sample : VX0610WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

Quant Time: Jun 11 02:34:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	7.46	83	75584	16.779	ug/l #	84
40) Benzene	6.14	78	171255	16.741	ug/l	98
41) Methacrylonitrile	5.03	41	28935	15.540	ug/l #	82
42) 1,2-Dichloroethane	6.19	62	51733	15.841	ug/l	92
43) Isopropyl Acetate	6.44	43	91758	15.944	ug/l #	88
44) Trichloroethene	7.21	130	51737	16.779	ug/l	83
45) 1,2-Dichloropropane	7.51	63	42312	16.526	ug/l	94
46) Dibromomethane	7.66	93	30685	15.997	ug/l	91
47) Bromodichloromethane	7.90	83	57597	16.069	ug/l	97
48) Methyl methacrylate	7.77	41	42573	15.818	ug/l #	75
49) 1,4-Dioxane	7.73	88	26168	341.009	ug/l #	78
51) 4-Methyl-2-Pentanone	8.63	43	282354	82.126	ug/l	89
52) Toluene	8.78	92	110475	16.429	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	65480	15.794	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	71301	16.042	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	46716	16.964	ug/l	94
56) Ethyl methacrylate	9.17	69	69793	16.044	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	70355	16.227	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	197517	96.313	ug/l #	85
59) 2-Hexanone	9.49	43	229474	83.713	ug/l	87
60) Dibromochloromethane	9.58	129	53019	16.277	ug/l	100
61) 1,2-Dibromoethane	9.67	107	50119	16.341	ug/l	100
64) Tetrachloroethene	9.34	164	46047	17.165	ug/l	94
65) Chlorobenzene	10.13	112	125694	16.861	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	48127	16.788	ug/l	99
67) Ethyl Benzene	10.25	91	215169	16.955	ug/l	92
68) m/p-Xylenes	10.35	106	169957	34.608	ug/l	89
69) o-Xylene	10.69	106	82338	16.867	ug/l	90
70) Styrene	10.71	104	140804	17.030	ug/l	94
71) Bromoform	10.85	173	43874	16.647	ug/l #	98
73) Isopropylbenzene	11.02	105	219616	16.443	ug/l	95
74) N-amyl acetate	10.90	43	84134	15.936	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.26	83	72007	15.750	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	80503	21.036	ug/l	84
77) Bromobenzene	11.25	156	59044	16.076	ug/l	81
78) n-propylbenzene	11.35	91	243867	16.401	ug/l	94
79) 2-Chlorotoluene	11.42	91	142755	15.985	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	183817	16.340	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	26132	15.087	ug/l	85
82) 4-Chlorotoluene	11.51	91	165315	16.296	ug/l	91
83) tert-Butylbenzene	11.77	119	187214	16.443	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	184303	16.220	ug/l	94
85) sec-Butylbenzene	11.94	105	218763	16.492	ug/l	96
86) p-Isopropyltoluene	12.06	119	202129	16.668	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	106003	16.385	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	106307	16.301	ug/l	99
89) n-Butylbenzene	12.38	91	173415	16.613	ug/l	97
90) Hexachloroethane	12.59	117	37941	15.706	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	105395	16.757	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16749	15.568	ug/l	68

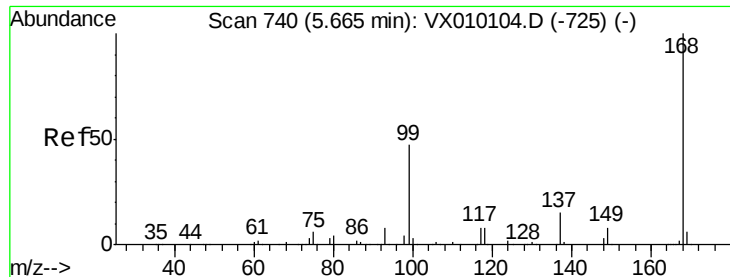
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
Data File : VX010167.D
Acq On : 10 Jun 2019 11:05
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Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

Quant Time: Jun 11 02:34:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	77004	16.726	ug/l	99
94) Hexachlorobutadiene	13.78	225	35634	17.404	ug/l	98
95) Naphthalene	13.83	128	233646	16.122	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	76814	16.875	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

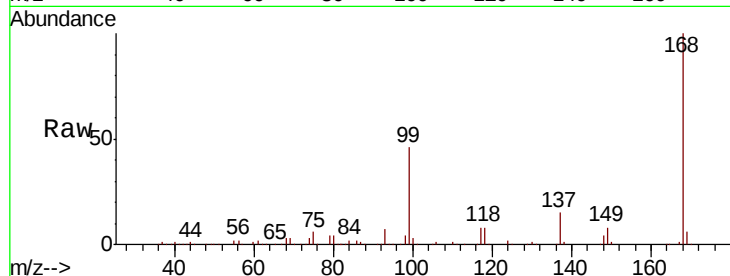
VX0610WBS01

Tot Ion:168 Resp: 279076

Ion Ratio Lower Upper

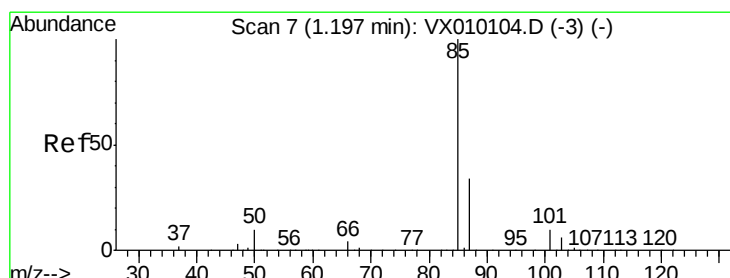
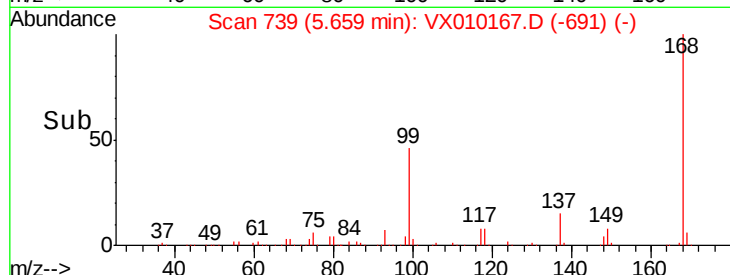
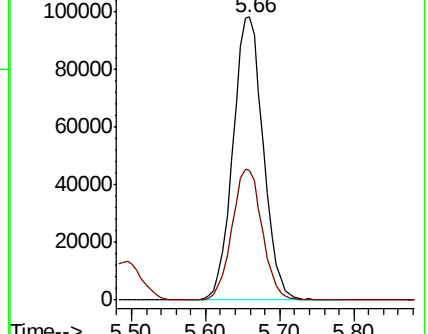
168 100

99 46.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.786 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010167.D

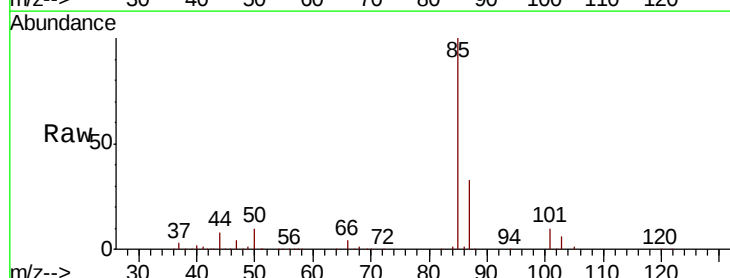
Acq: 10 Jun 2019 11:05

Tgt Ion: 85 Resp: 45672

Ion Ratio Lower Upper

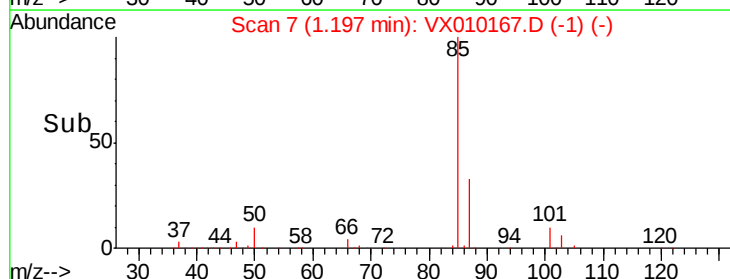
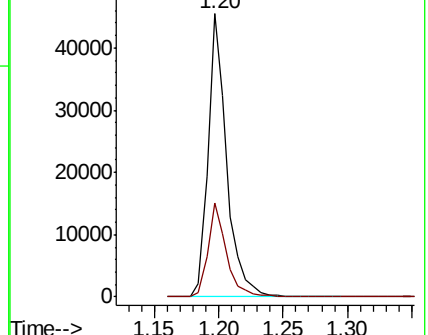
85 100

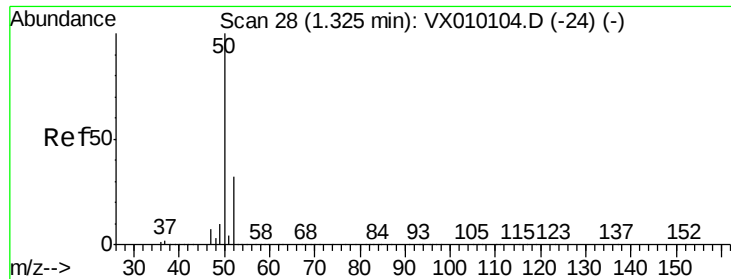
87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.625 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

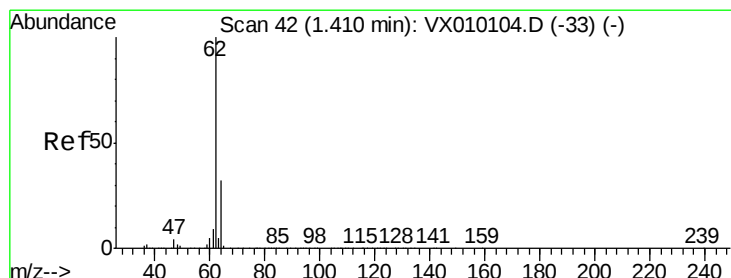
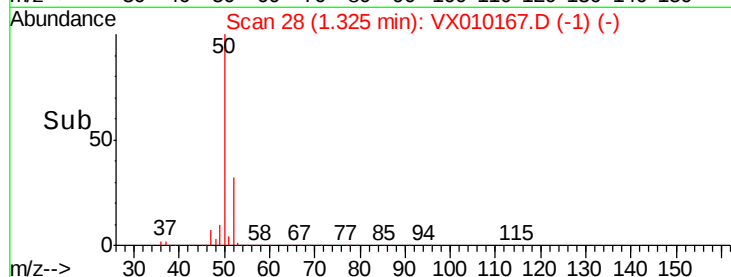
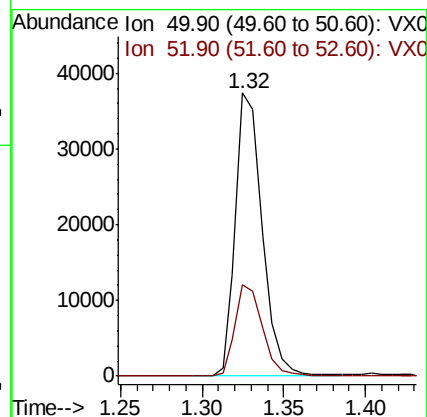
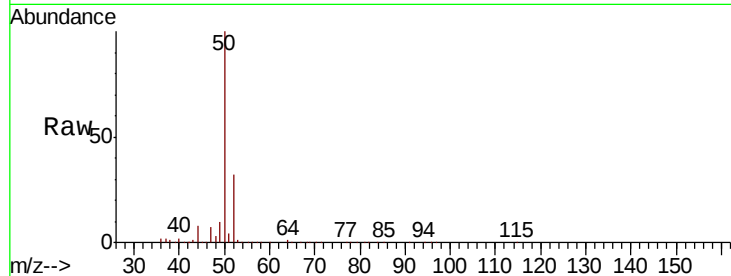
VX0610WBS01

Tot Ion: 50 Resp: 42397

Ion Ratio Lower Upper

50 100

52 32.3 26.0 39.0



#4

Vinyl Chloride

Concen: 18.148 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010167.D

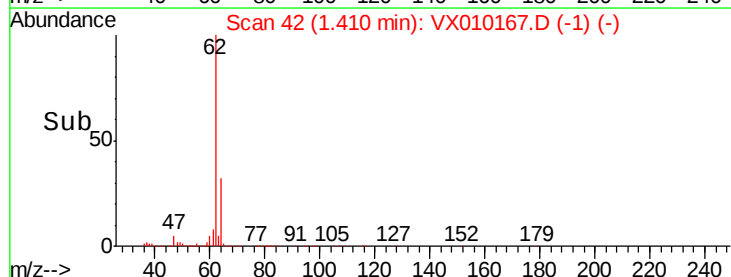
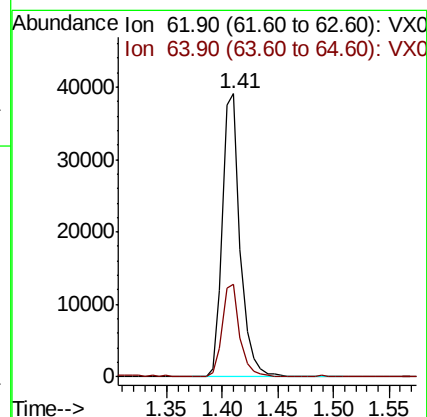
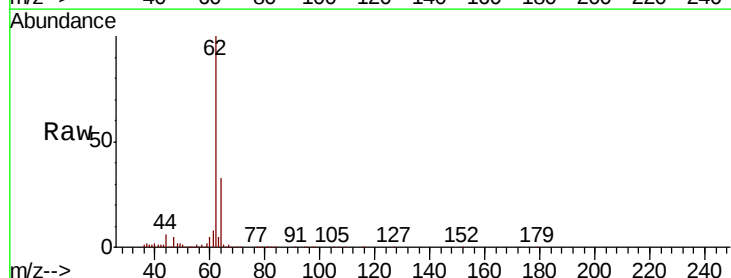
Acq: 10 Jun 2019 11:05

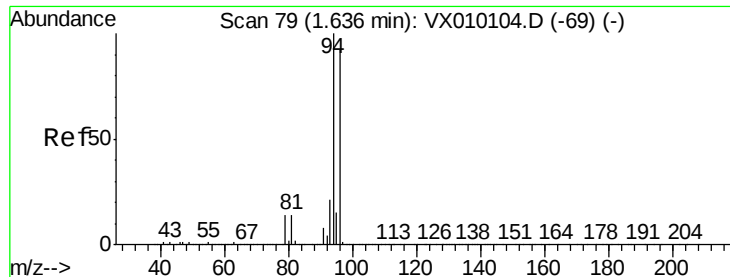
Tgt Ion: 62 Resp: 43497

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 21.644 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

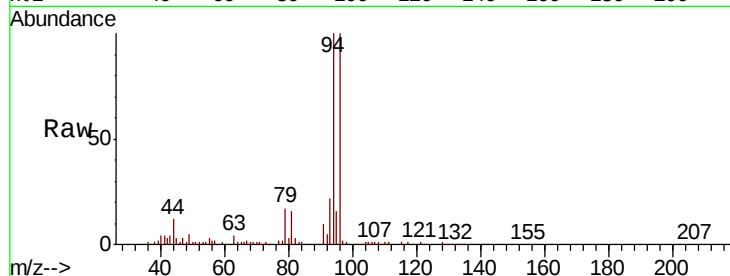
VX0610WBS01

Tot Ion: 94 Resp: 19576

Ion Ratio Lower Upper

94 100

96 99.7 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

15000

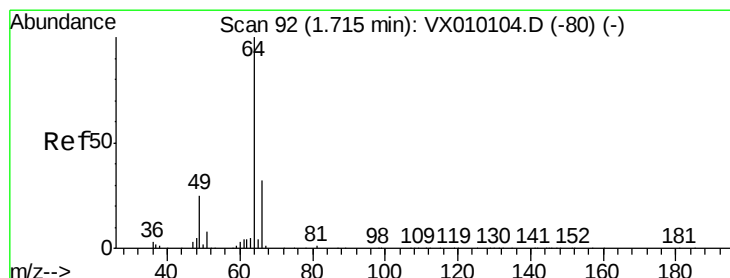
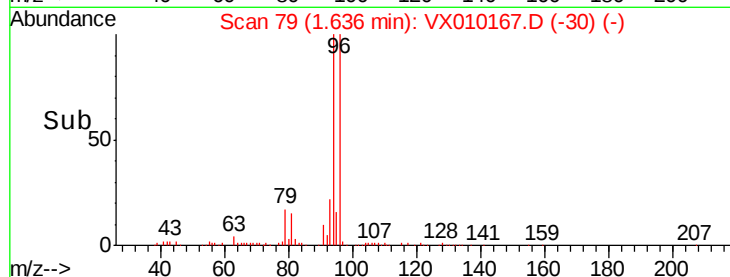
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 20.440 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010167.D

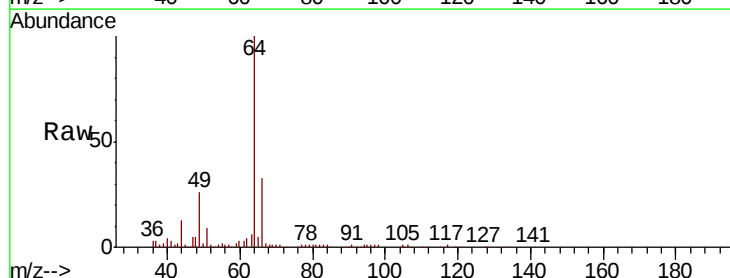
Acq: 10 Jun 2019 11:05

Tgt Ion: 64 Resp: 24700

Ion Ratio Lower Upper

64 100

66 33.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

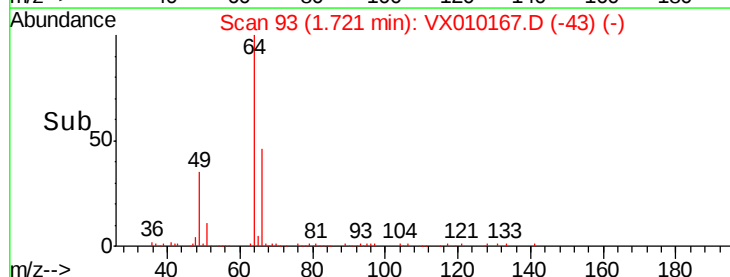
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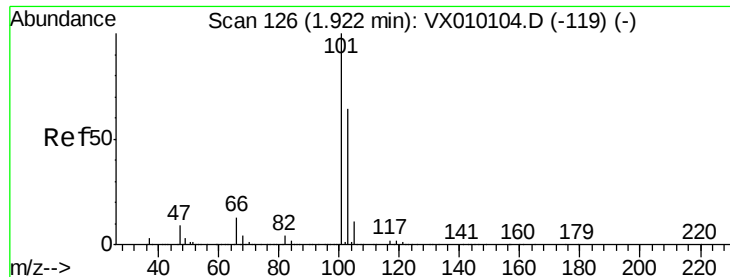
5000

0

Time-->

1.65 1.70 1.75 1.80



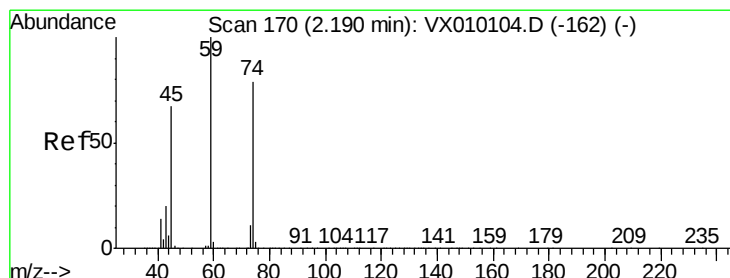
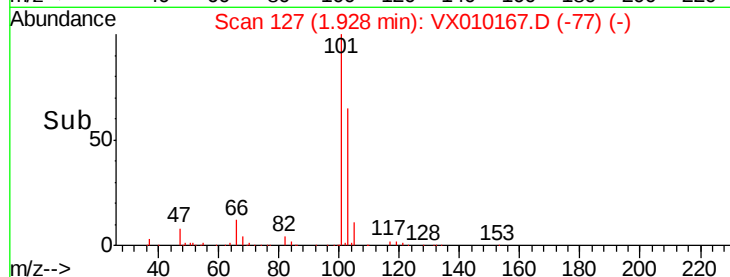
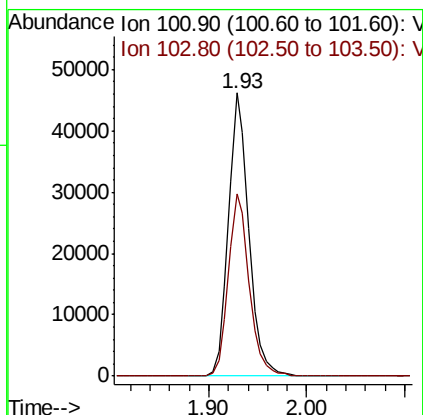
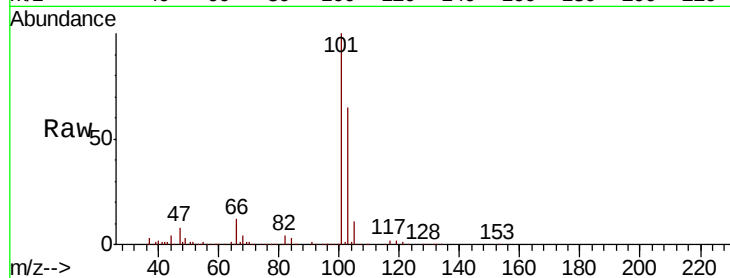


#7

Trichlorofluoromethane
Concen: 18.791 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Instrument :
MSVOA_X
ClientSampled :
VX0610WBS01

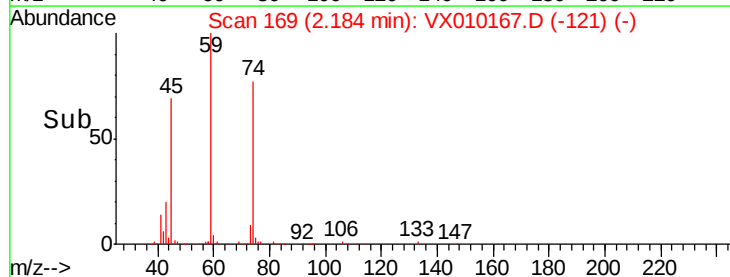
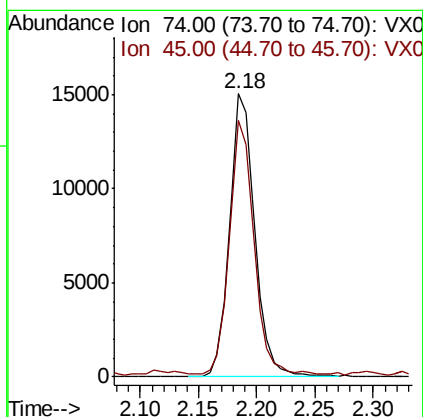
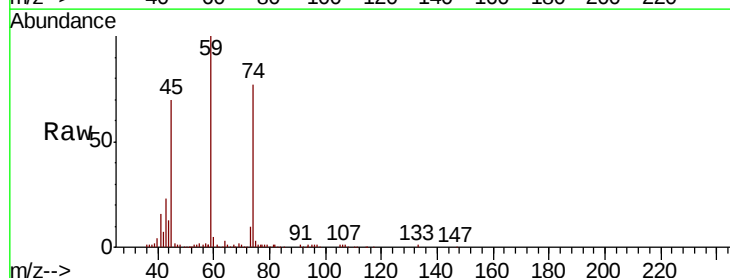
Tot Ion:101 Resp: 66903
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.4

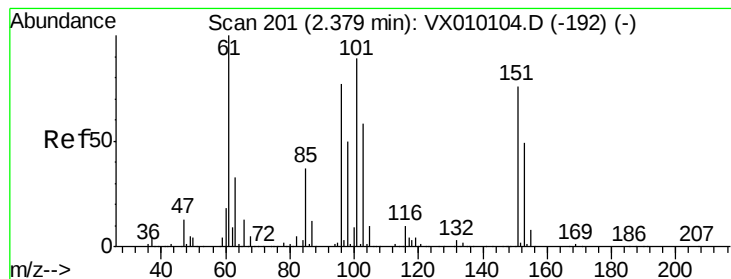


#8

Diethyl Ether
Concen: 18.549 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion: 74 Resp: 22762
Ion Ratio Lower Upper
74 100
45 87.0 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.704 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

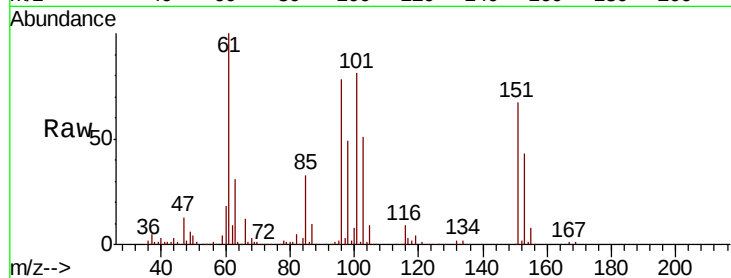
Tot Ion:101 Resp: 40995

Ion Ratio Lower Upper

101 100

85 40.9 35.2 52.8

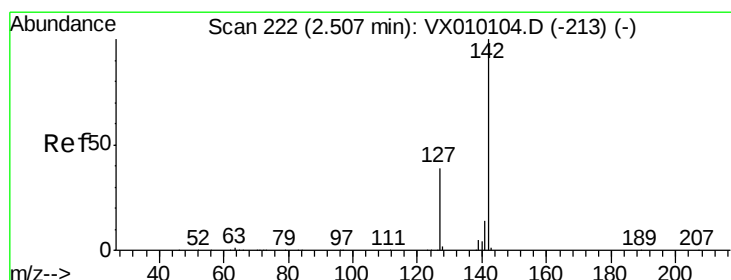
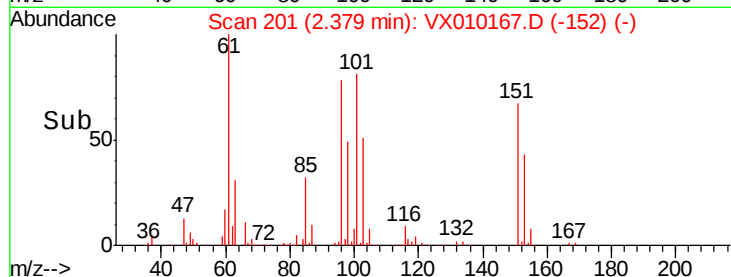
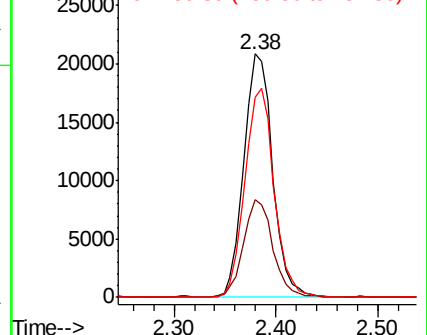
151 86.7 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.062 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

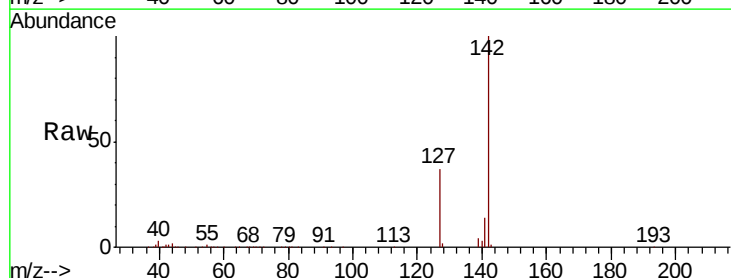
Tgt Ion:142 Resp: 61076

Ion Ratio Lower Upper

142 100

127 38.4 33.0 49.4

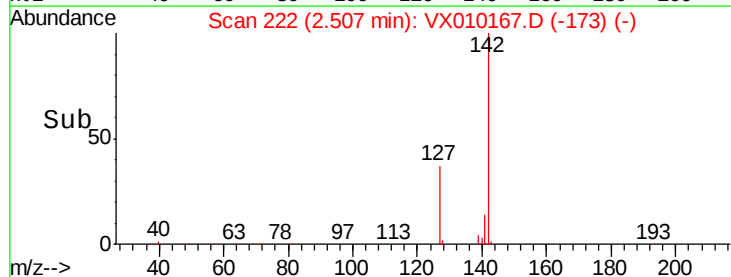
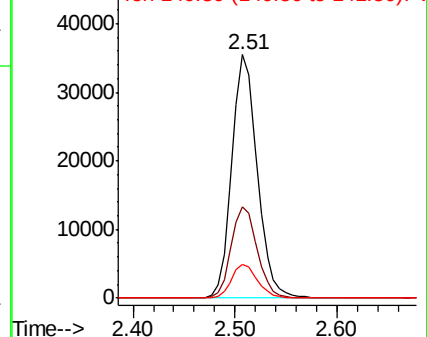
141 14.3 11.4 17.0

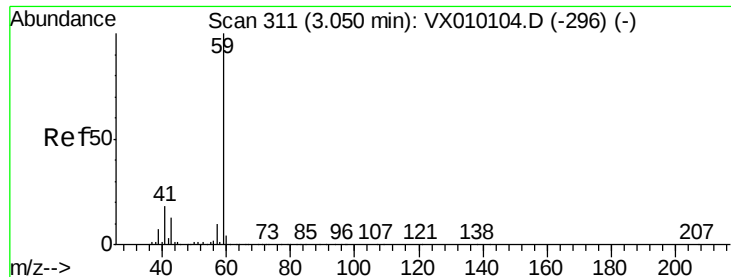


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



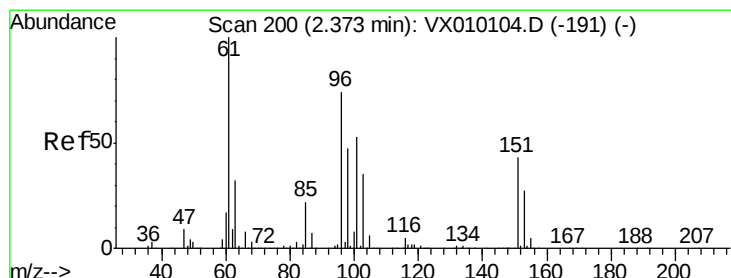
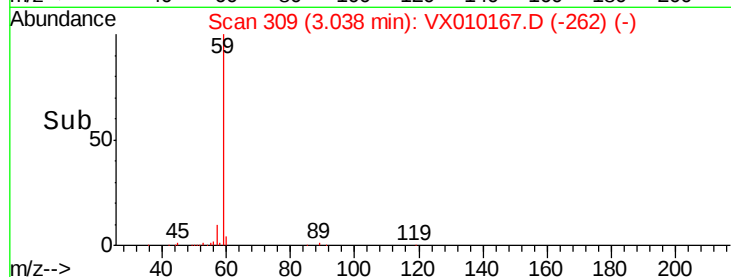
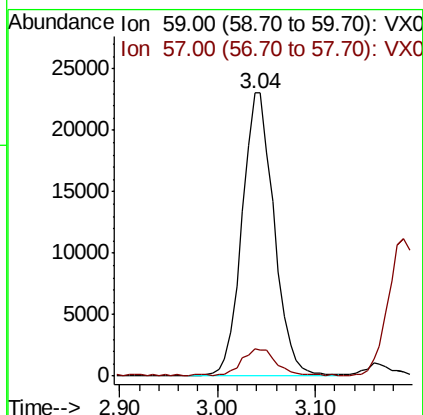
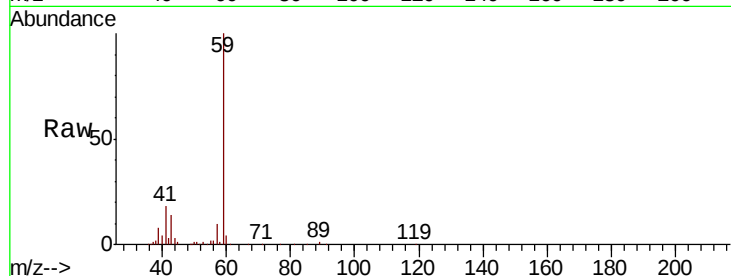


#11

Tert butyl alcohol
 Concen: 78.467 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0610WBS01

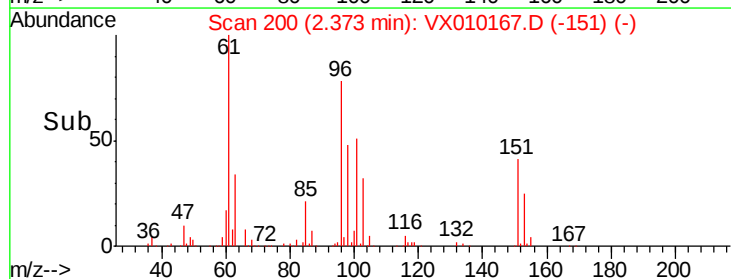
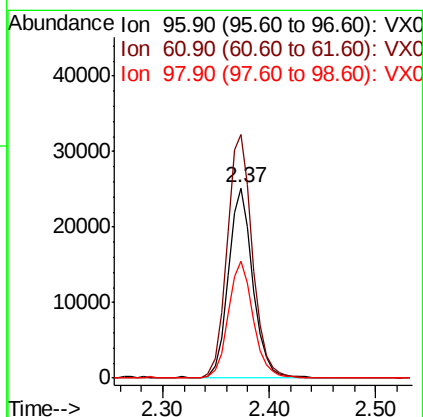
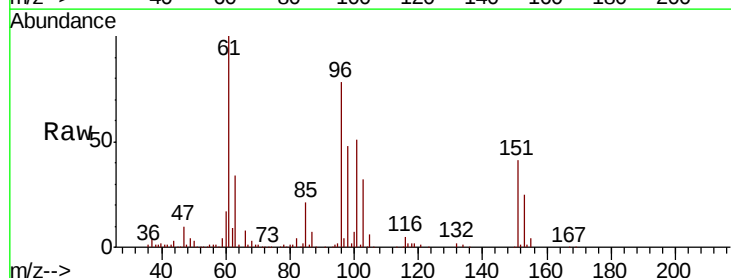
Tot Ion: 59 Resp: 52363
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.2 12.2

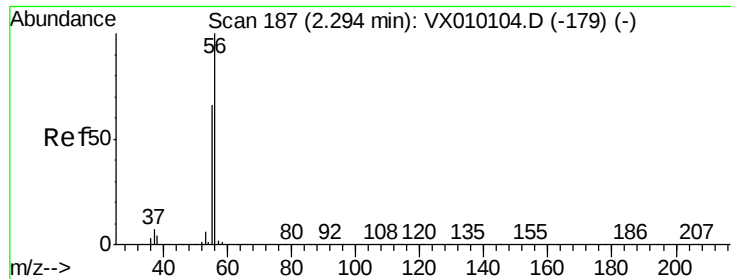


#12

1,1-Dichloroethene
 Concen: 16.041 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Tgt Ion: 96 Resp: 40211
 Ion Ratio Lower Upper
 96 100
 61 128.5 140.7 211.1#
 98 61.6 50.1 75.1





#13

Acrolein

Concen: 134.269 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

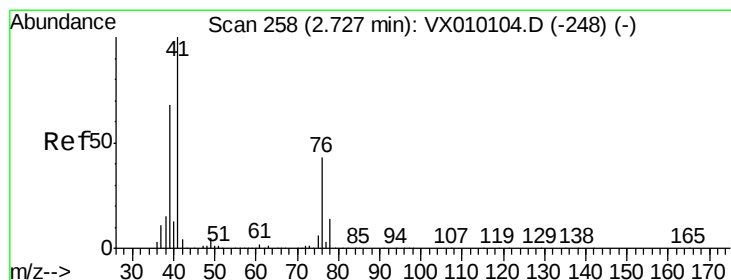
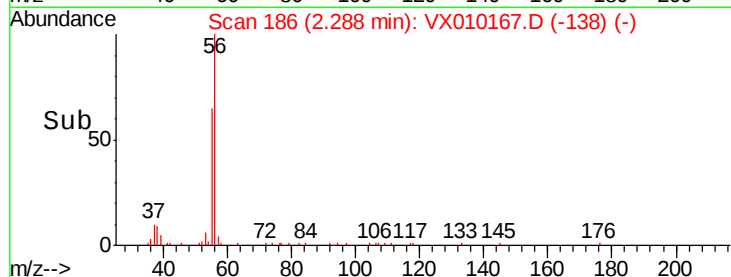
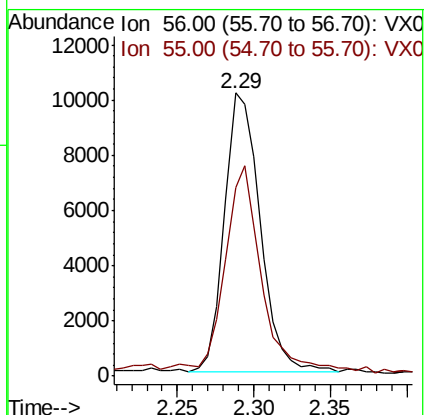
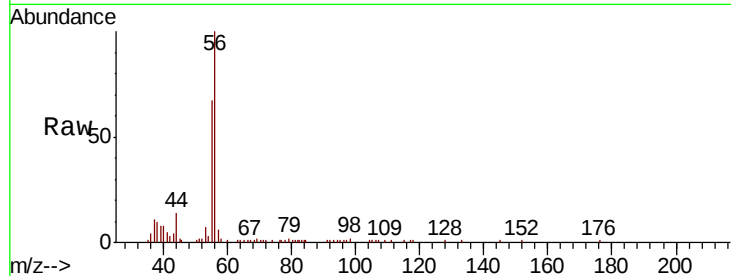
VX0610WBS01

Tot Ion: 56 Resp: 16338

Ion Ratio Lower Upper

56 100

55 76.0 57.0 85.4



#14

Allyl chloride

Concen: 15.411 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

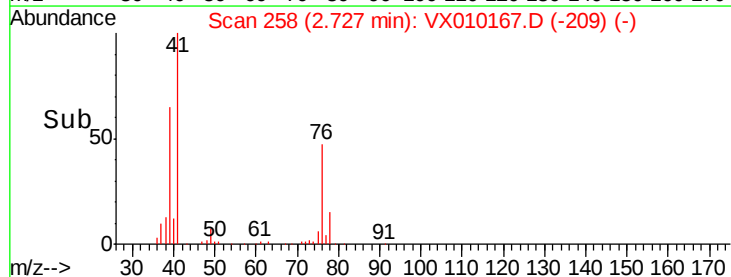
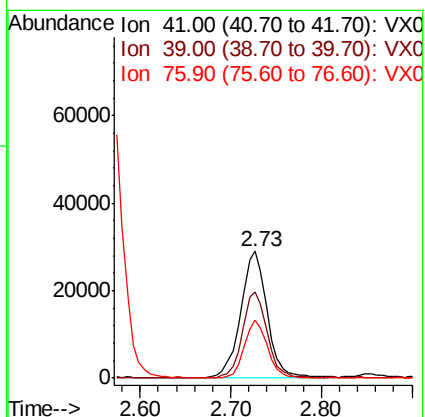
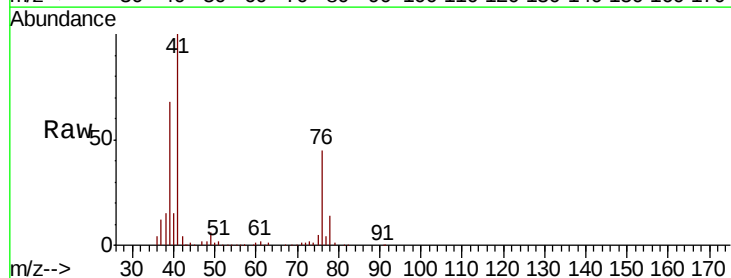
Tgt Ion: 41 Resp: 58312

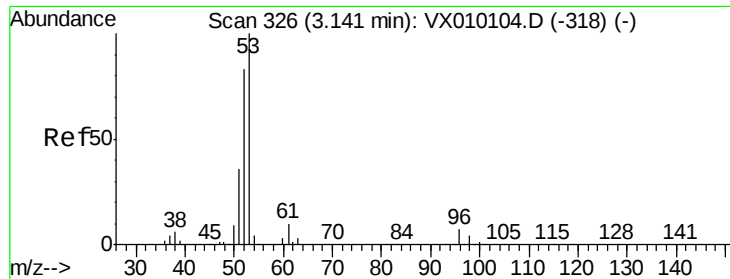
Ion Ratio Lower Upper

41 100

39 62.8 46.7 70.1

76 40.1 21.0 31.4#





#15

Acrylonitrile

Concen: 77.833 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

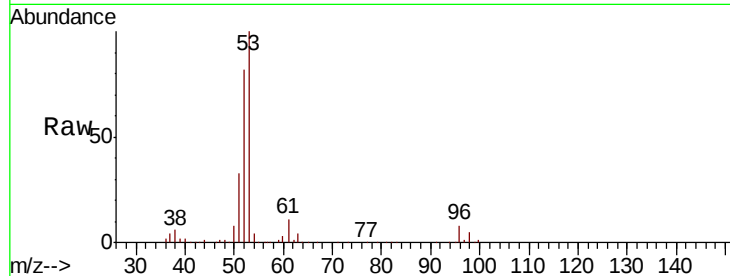
Tot Ion: 53 Resp: 106165

Ion Ratio Lower Upper

53 100

52 82.4 66.7 100.1

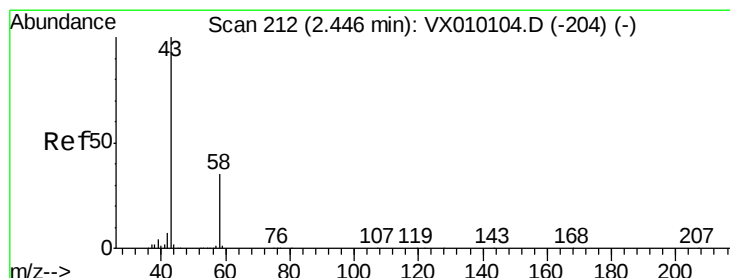
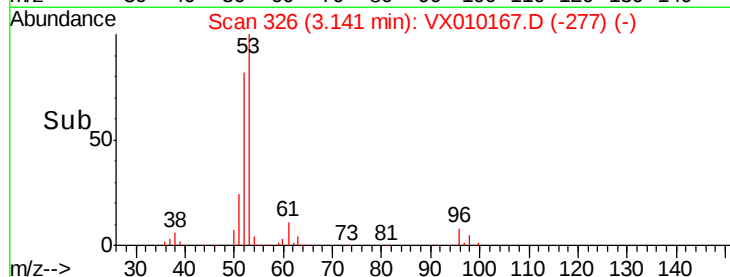
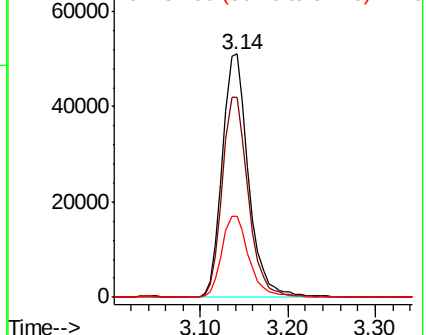
51 34.4 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 78.672 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010167.D

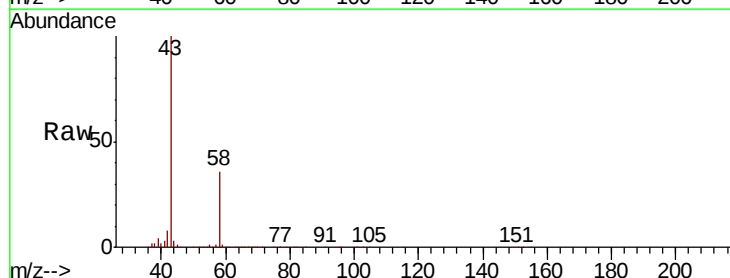
Acq: 10 Jun 2019 11:05

Tgt Ion: 43 Resp: 100799

Ion Ratio Lower Upper

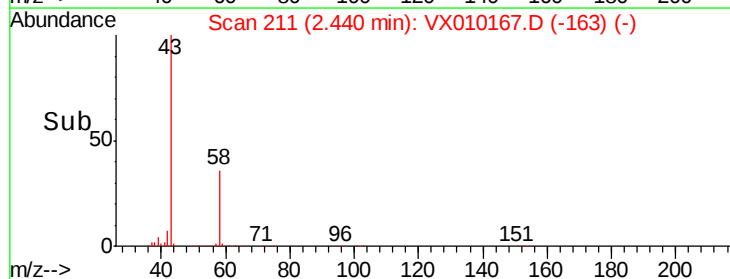
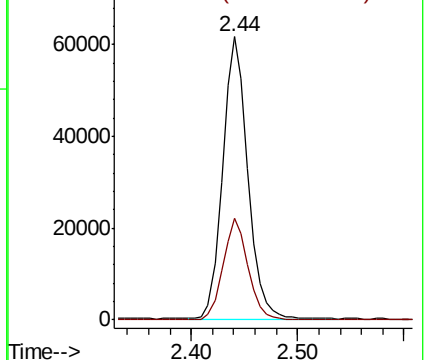
43 100

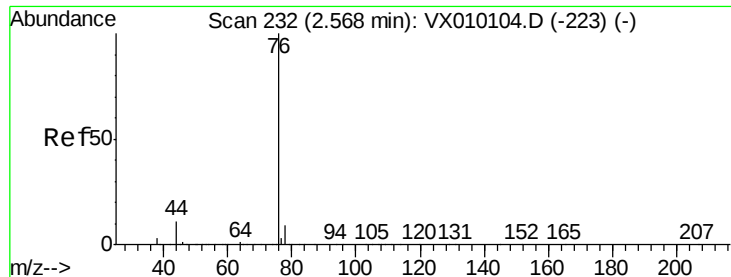
58 36.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 15.286 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

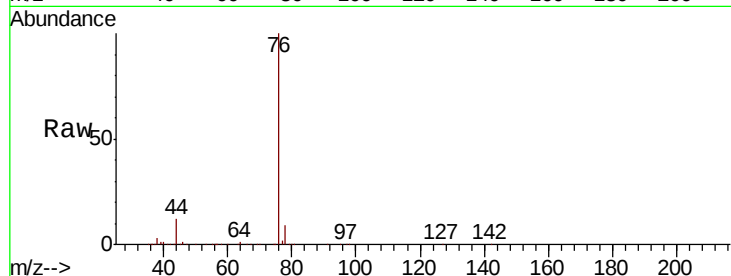
VX0610WBS01

Tot Ion: 76 Resp: 110716

Ion Ratio Lower Upper

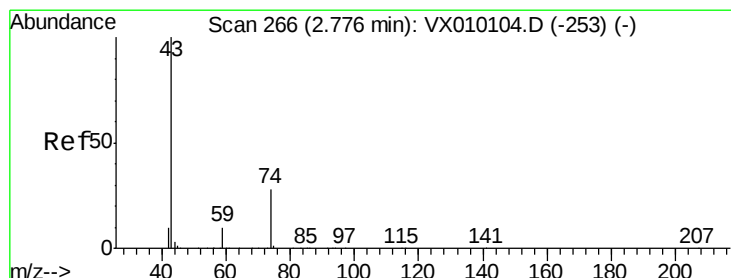
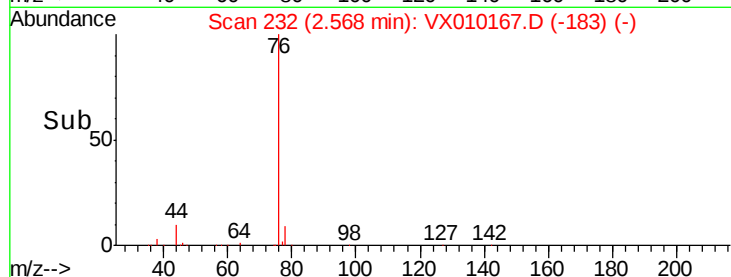
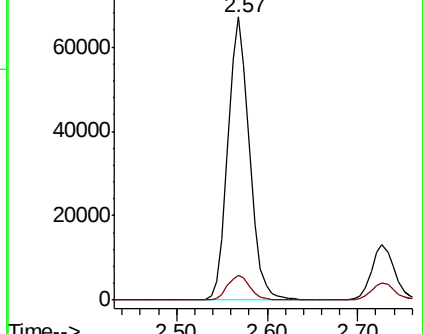
76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 15.099 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010167.D

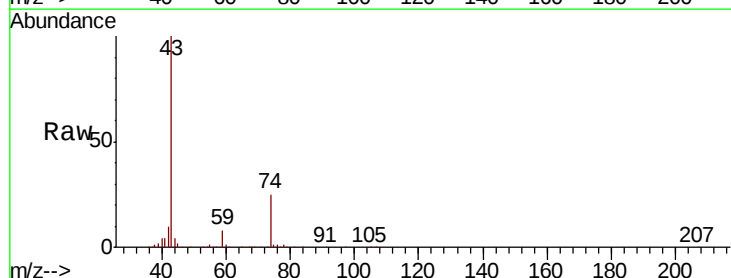
Acq: 10 Jun 2019 11:05

Tgt Ion: 43 Resp: 42545

Ion Ratio Lower Upper

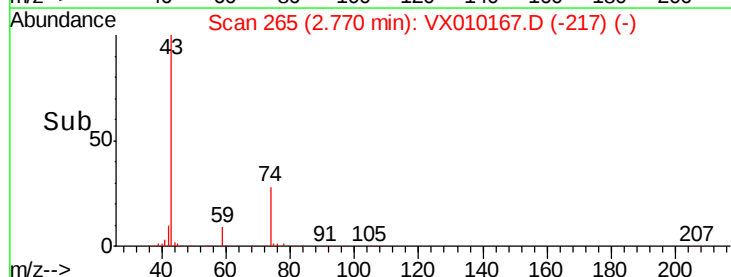
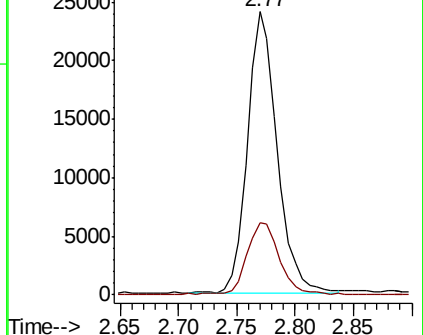
43 100

74 28.5 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



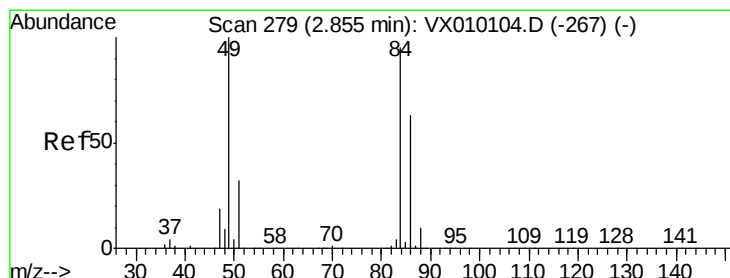
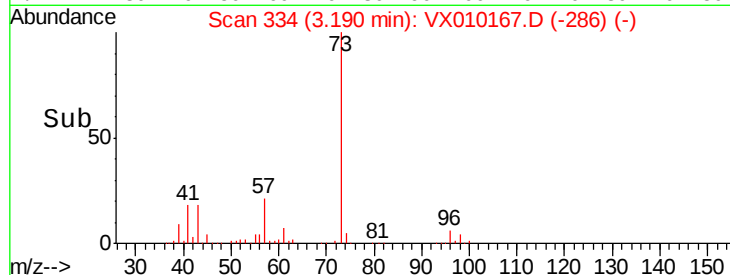
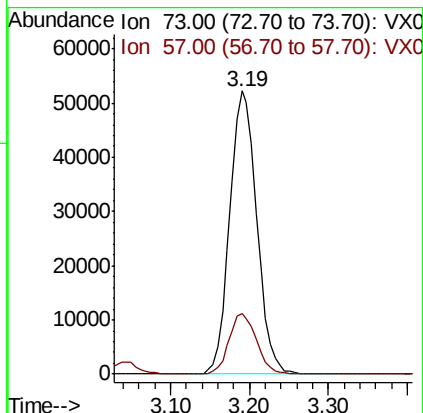
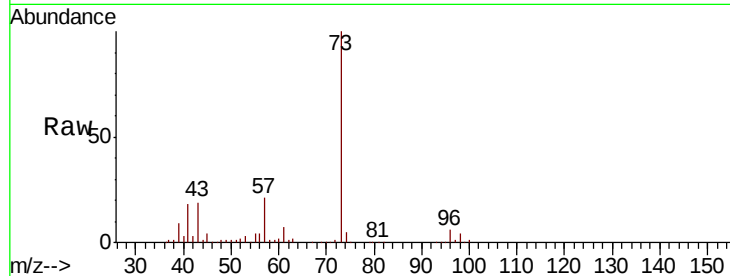


#19

Methyl tert-butyl Ether
 Concen: 15.469 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

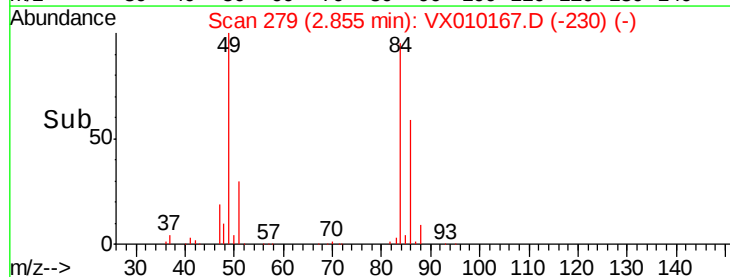
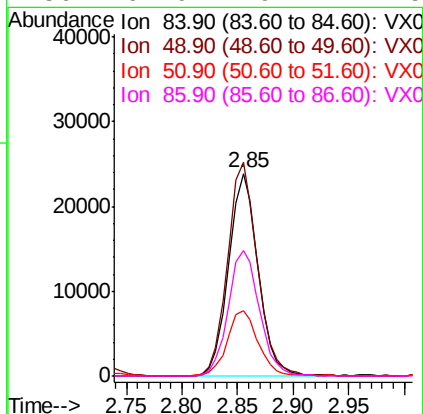
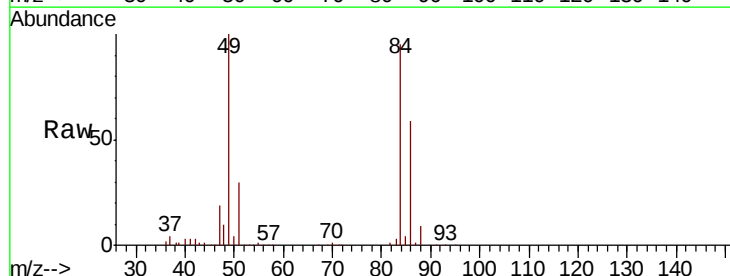
Tot Ion: 73 Resp: 124578
 Ion Ratio Lower Upper
 73 100
 57 21.4 19.4 29.2

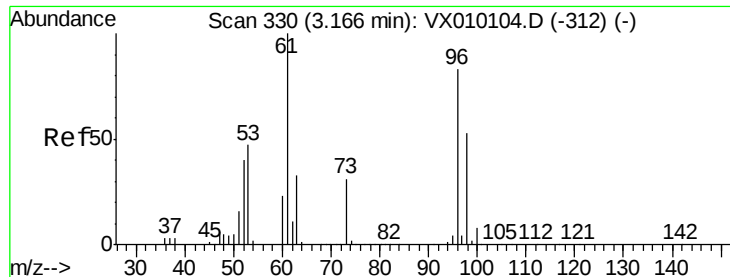


#20

Methylene Chloride
 Concen: 15.633 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Tgt Ion: 84 Resp: 43988
 Ion Ratio Lower Upper
 84 100
 49 105.2 115.8 173.6#
 51 32.1 34.4 51.6#
 86 61.9 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 15.153 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

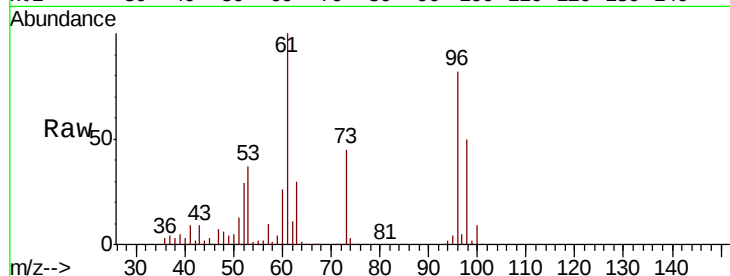
Tot Ion: 96 Resp: 42036

Ion Ratio Lower Upper

96 100

61 122.4 125.7 188.5#

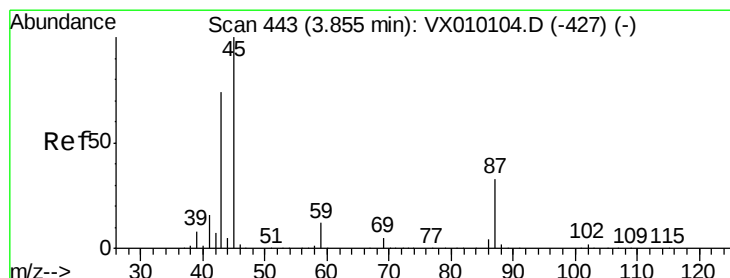
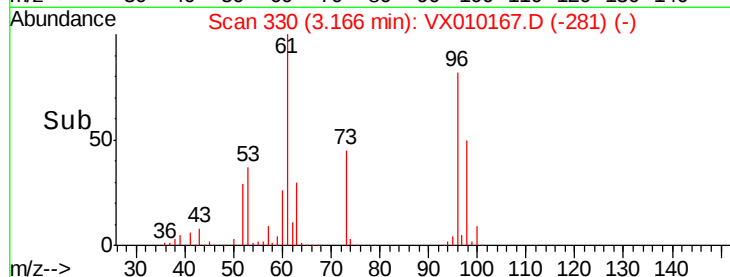
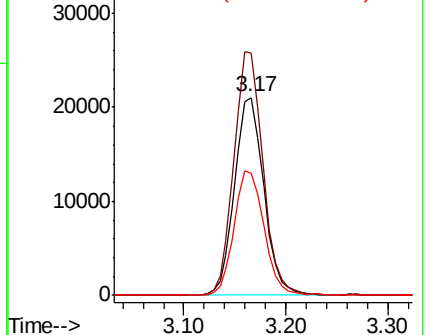
98 61.7 49.0 73.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 16.040 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Tgt Ion: 45 Resp: 116041

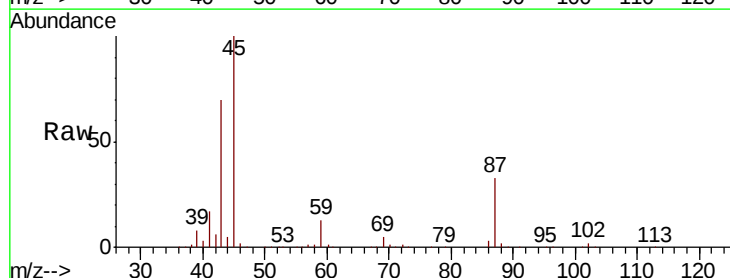
Ion Ratio Lower Upper

45 100

43 68.4 65.0 97.4

87 33.1 17.3 25.9#

59 12.5 8.1 12.1#

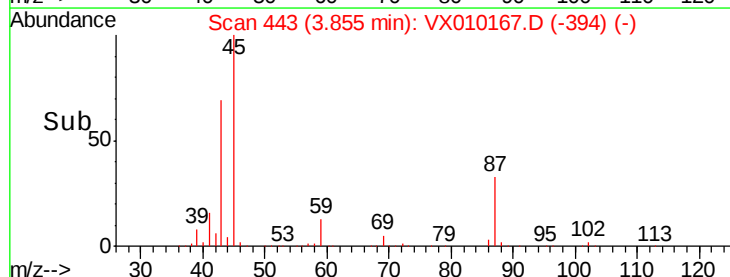
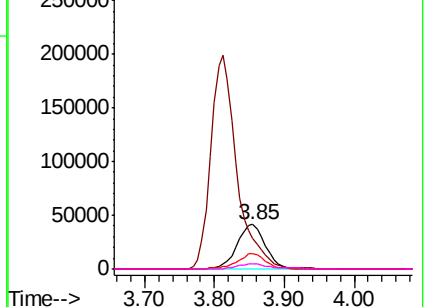


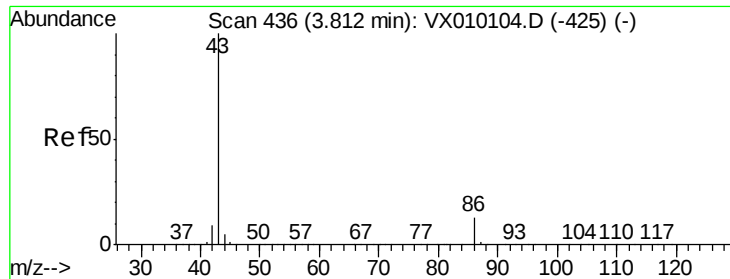
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 79.850 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

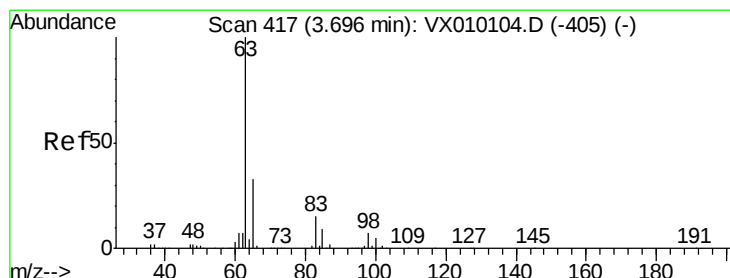
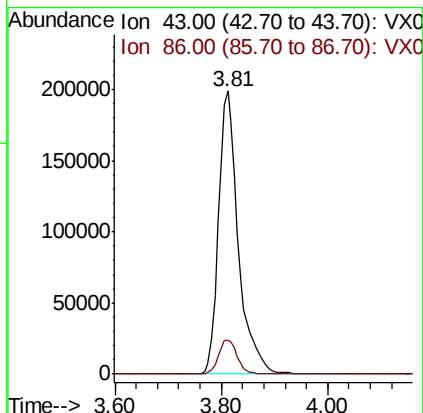
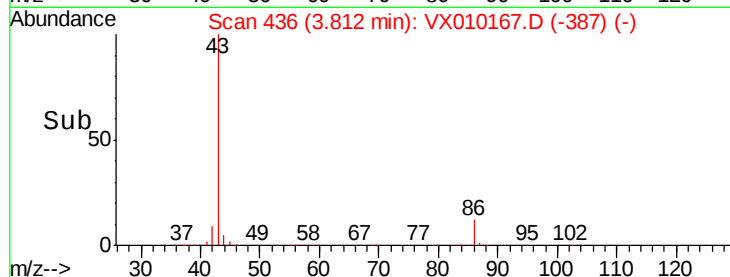
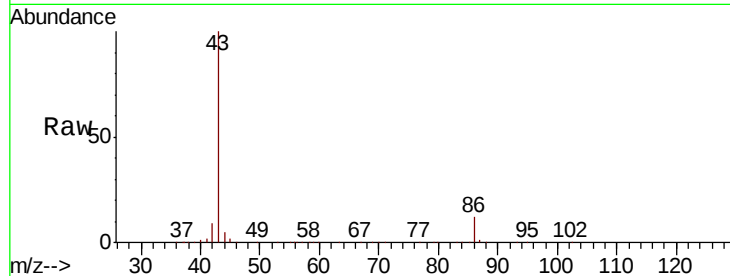
VX0610WBS01

Tot Ion: 43 Resp: 515340

Ion Ratio Lower Upper

43 100

86 12.1 6.5 9.7#



#24

1,1-Dichloroethane

Concen: 15.465 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

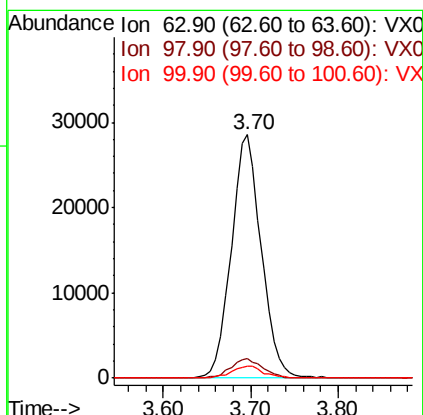
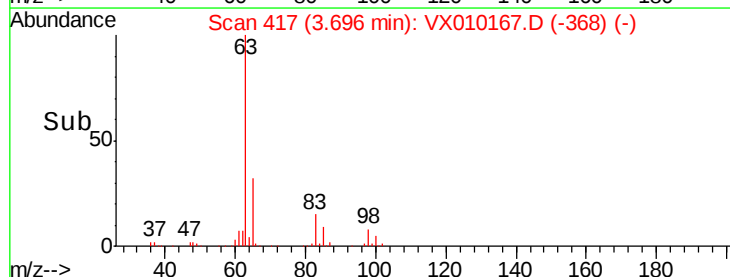
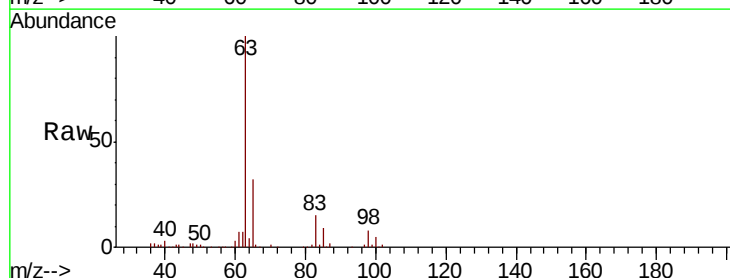
Tgt Ion: 63 Resp: 67928

Ion Ratio Lower Upper

63 100

98 8.1 2.9 8.8

100 5.0 1.8 5.4





#25

2-Butanone

Concen: 78.193 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

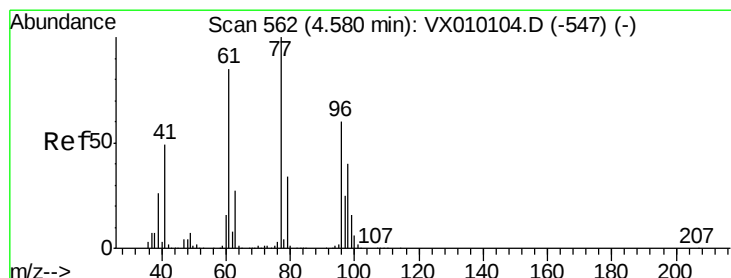
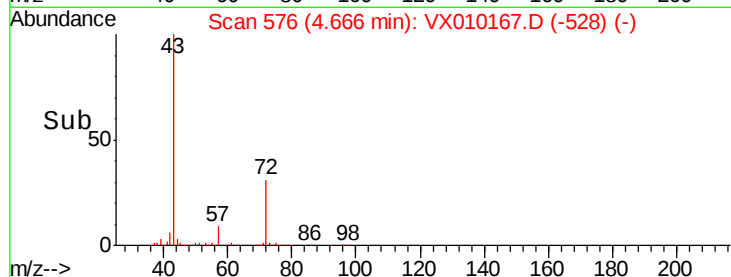
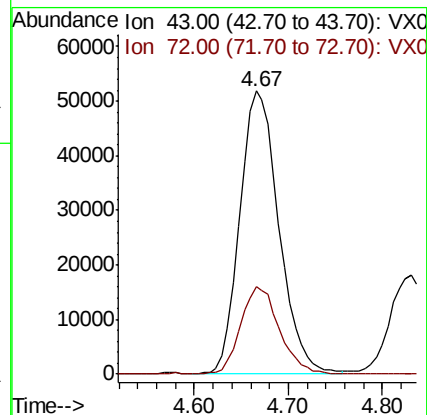
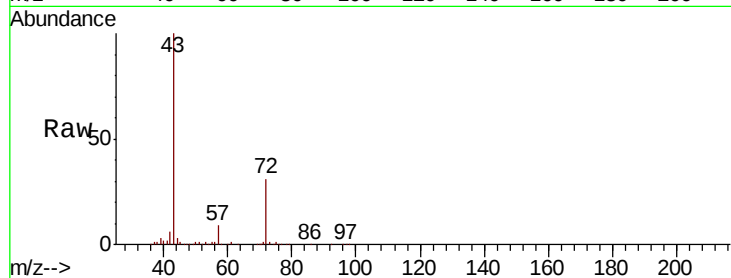
VX0610WBS01

Tot Ion: 43 Resp: 149184

Ion Ratio Lower Upper

43 100

72 31.0 17.5 26.3#



#26

2,2-Dichloropropane

Concen: 15.486 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010167.D

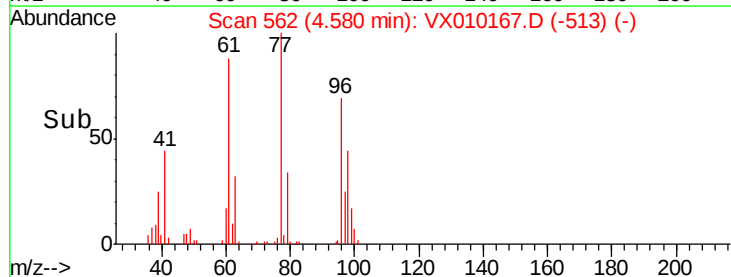
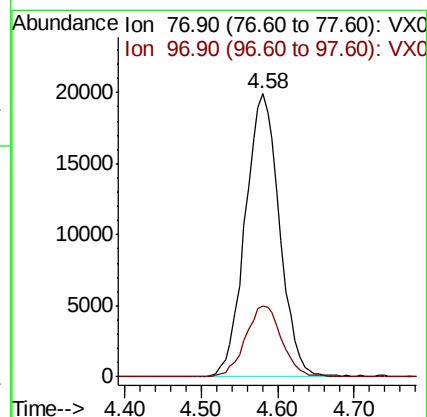
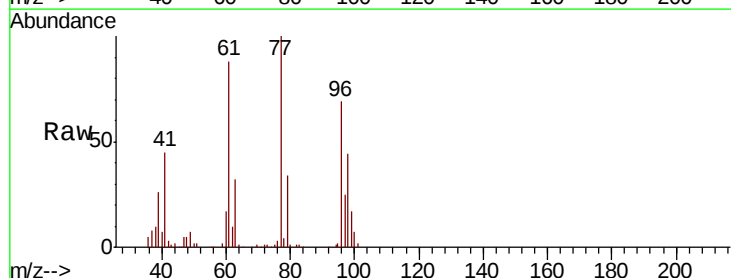
Acq: 10 Jun 2019 11:05

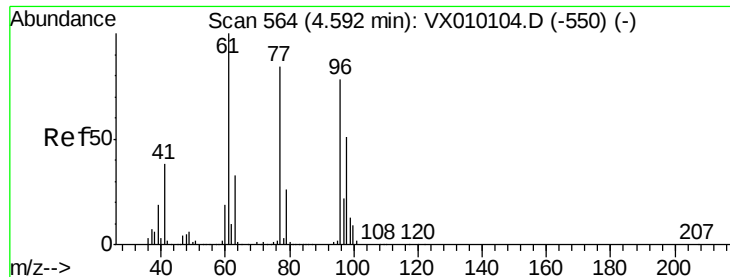
Tgt Ion: 77 Resp: 62054

Ion Ratio Lower Upper

77 100

97 26.5 11.4 34.2



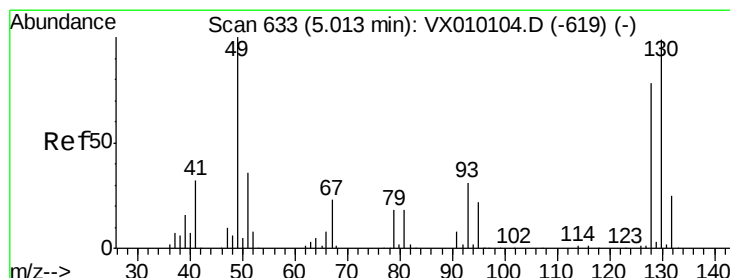
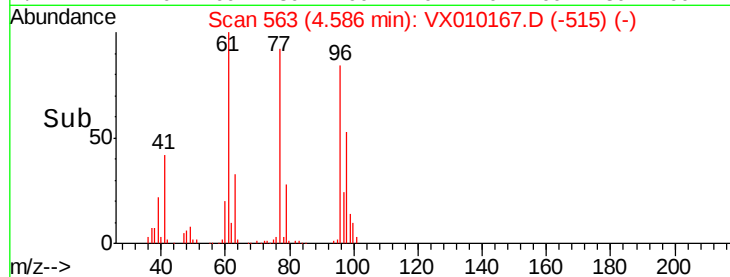
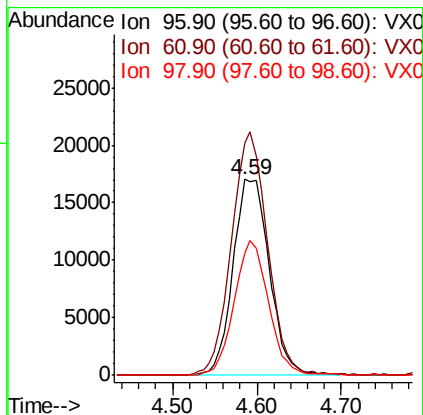
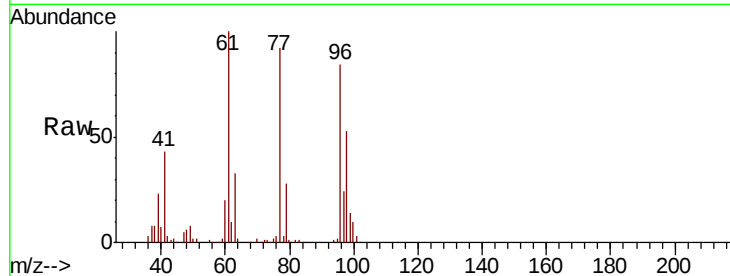


#27

cis-1,2-Dichloroethene
 Concen: 16.139 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0610WBS01

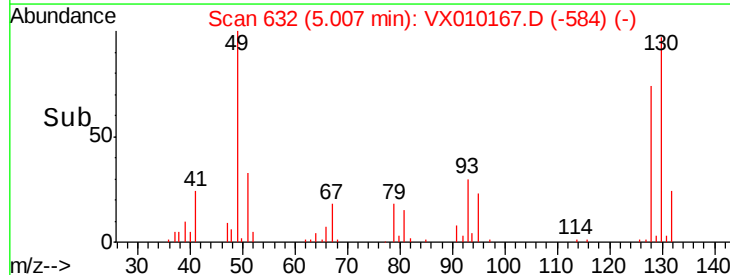
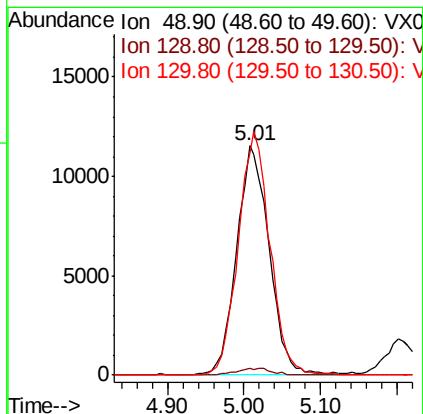
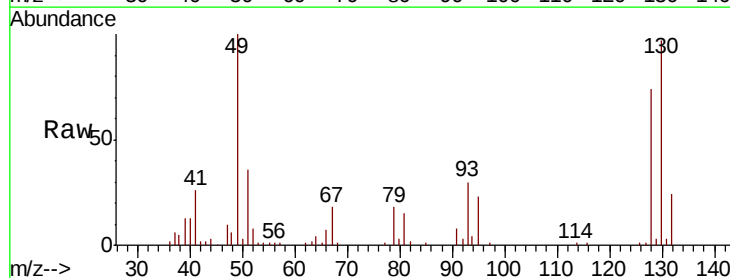
Tot Ion	96	Resp	49805
Ion	Ratio	Lower	Upper
96	100		
61	123.3	0.0	334.0
98	64.5	0.0	131.6

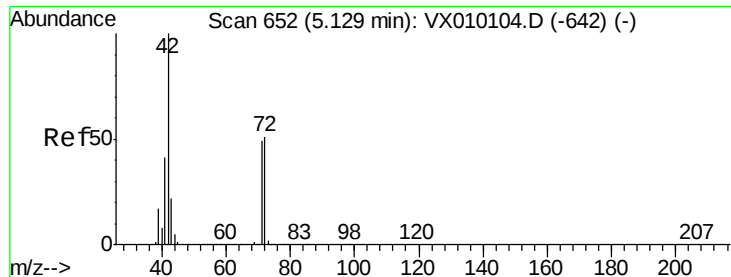


#28

Bromochloromethane
 Concen: 17.321 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Tgt Ion	49	Resp	34097
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	3.4
130	103.2	49.4	74.2#

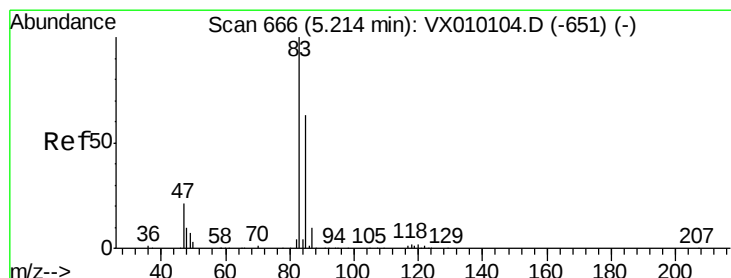
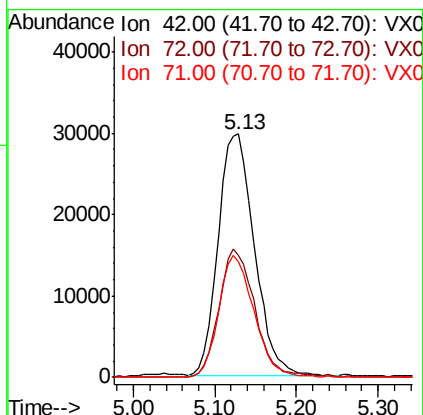
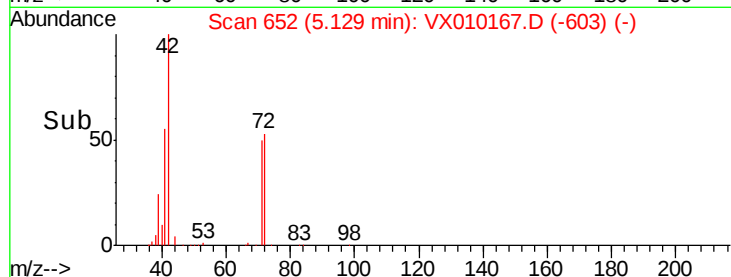
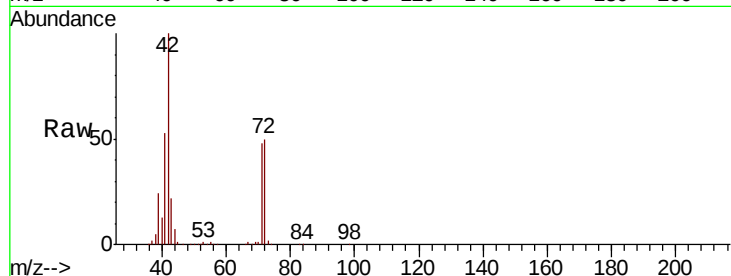




#29
Tetrahydrofuran
Concen: 77.015 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

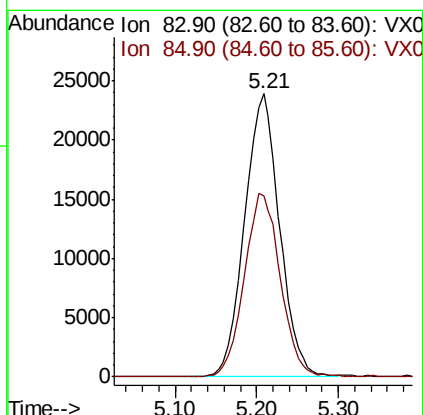
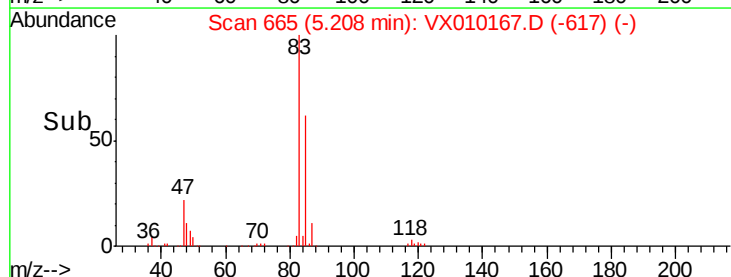
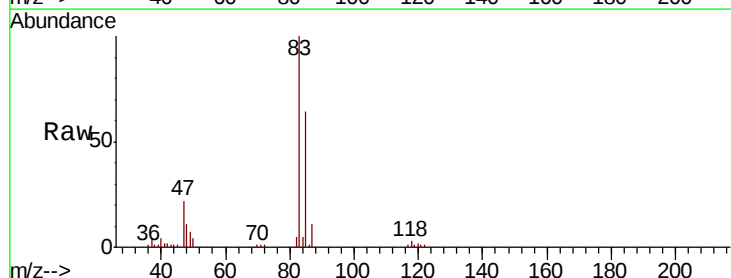
Instrument :
MSVOA_X
ClientSampled :
VX0610WBS01

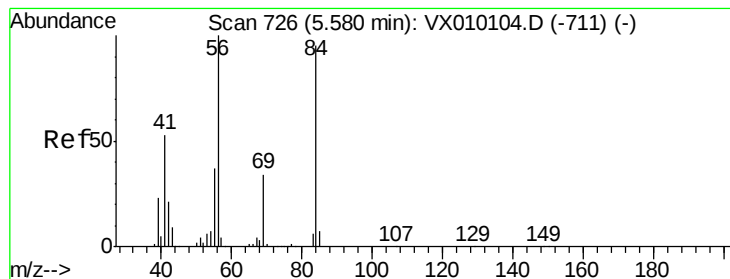
Tot Ion: 42 Resp: 92344
Ion Ratio Lower Upper
42 100
72 52.3 29.2 43.8#
71 48.8 27.6 41.4#



#30
Chloroform
Concen: 15.670 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion: 83 Resp: 71480
Ion Ratio Lower Upper
83 100
85 64.1 52.6 78.8





#31

Cyclohexane

Concen: 16.623 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

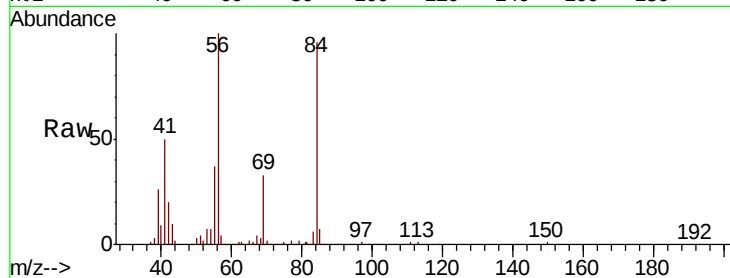
Tot Ion: 56 Resp: 65897

Ion Ratio Lower Upper

56 100

69 32.5 21.6 32.4#

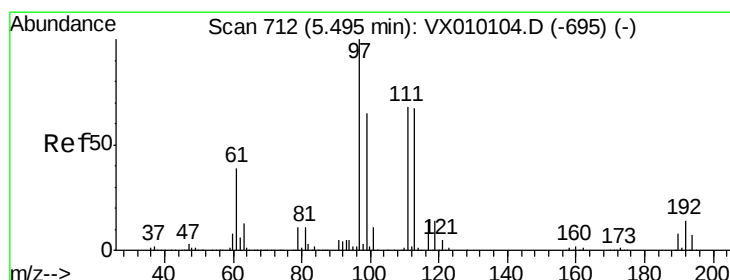
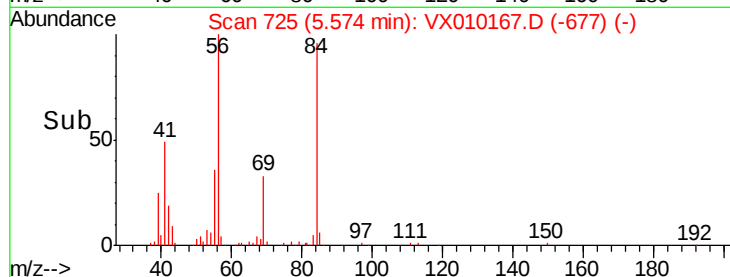
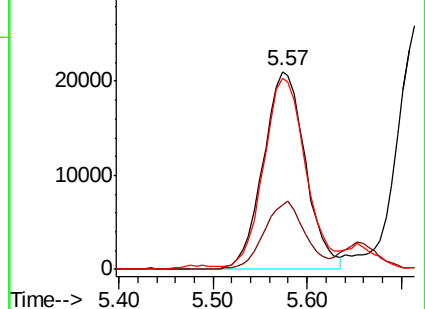
84 94.6 56.8 85.2#



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: 15.369 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

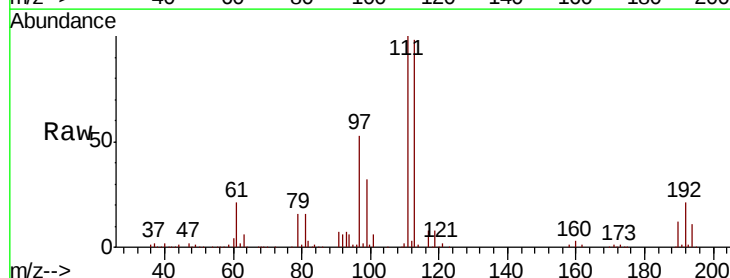
Tgt Ion: 97 Resp: 65911

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

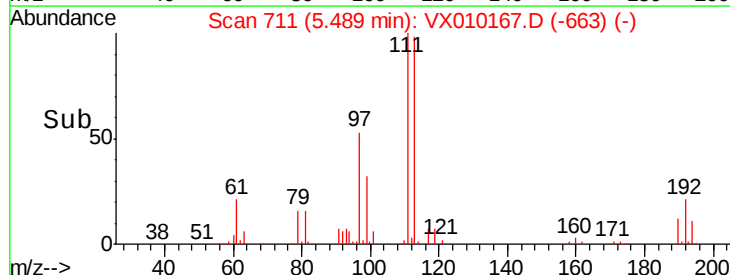
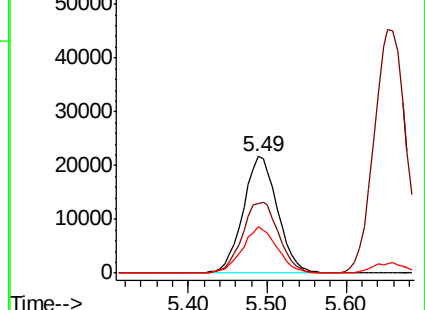
61 39.6 38.7 58.1

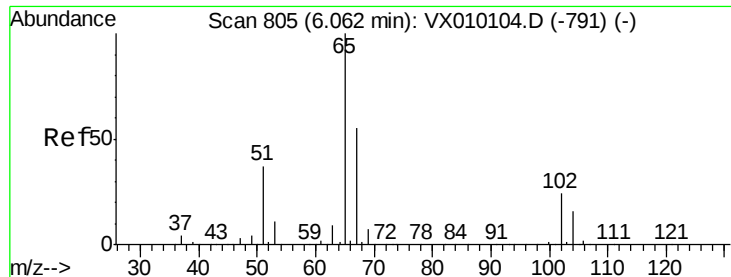


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.692 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

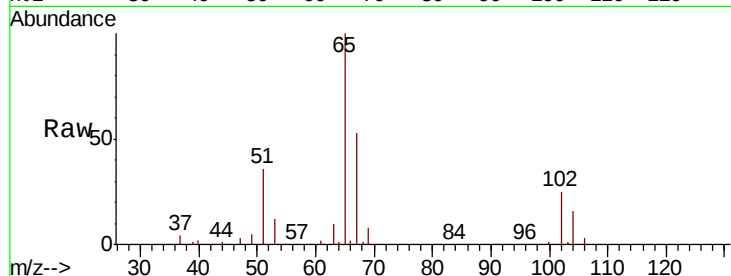
VX0610WBS01

Tot Ion: 65 Resp: 119022

Ion Ratio Lower Upper

65 100

67 55.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

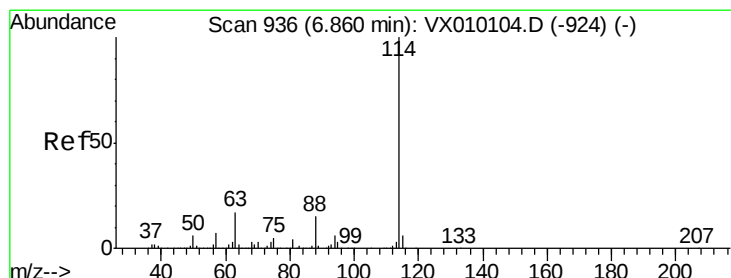
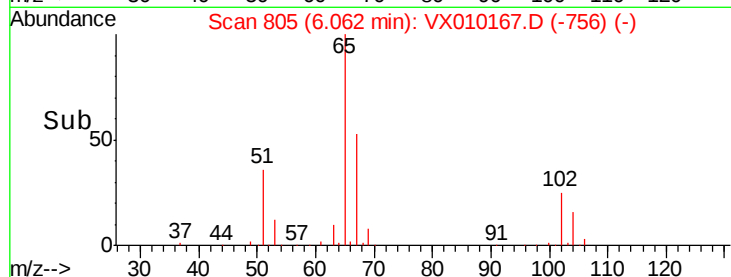
20000

10000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

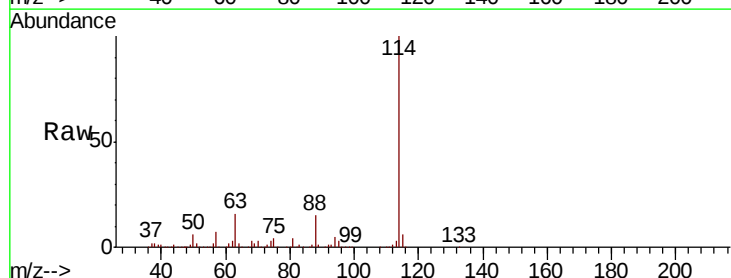
Tgt Ion: 114 Resp: 405486

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

88 14.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

200000

150000

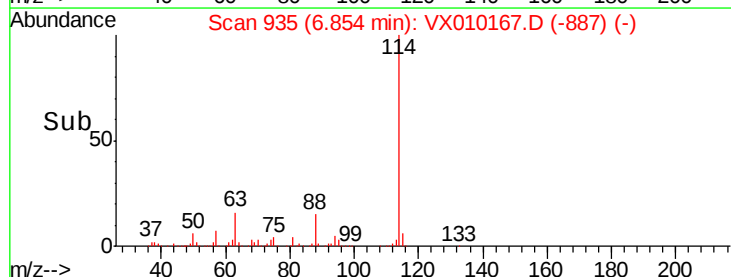
100000

50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 47.458 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

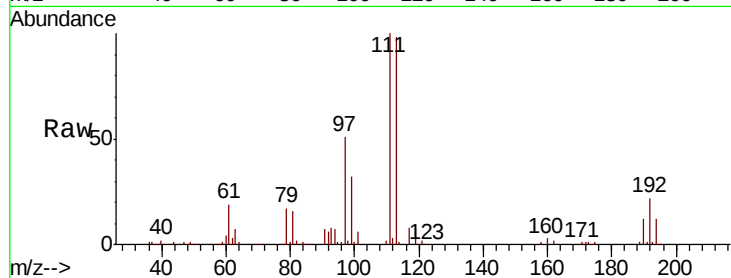
Tot Ion:113 Resp: 118699

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

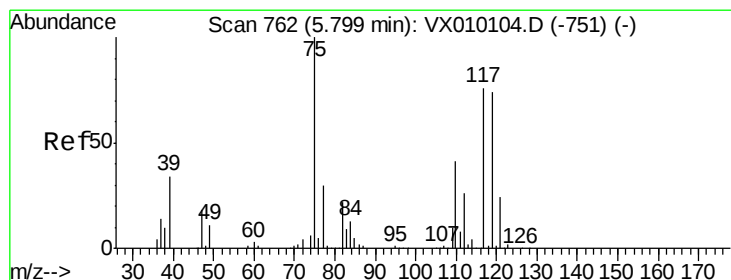
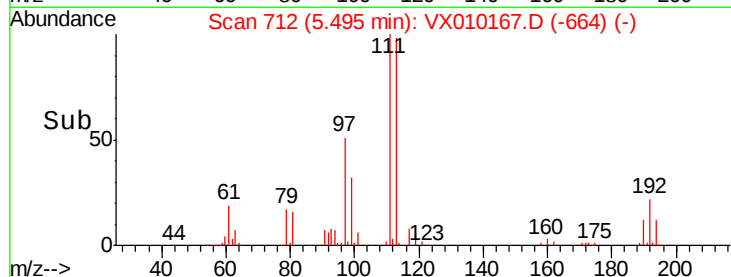
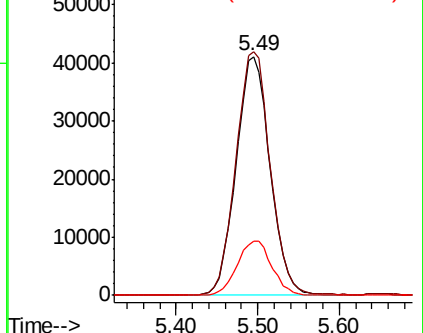
192 23.2 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 16.342 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

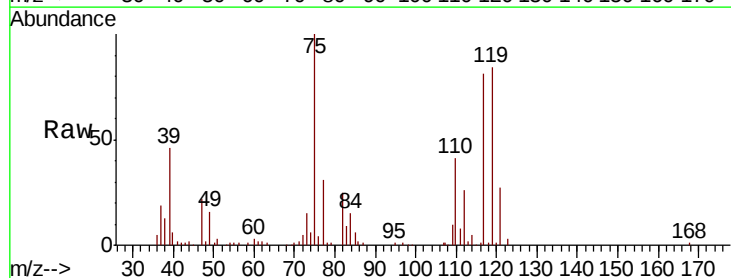
Tgt Ion: 75 Resp: 54063

Ion Ratio Lower Upper

75 100

110 41.8 16.7 50.1

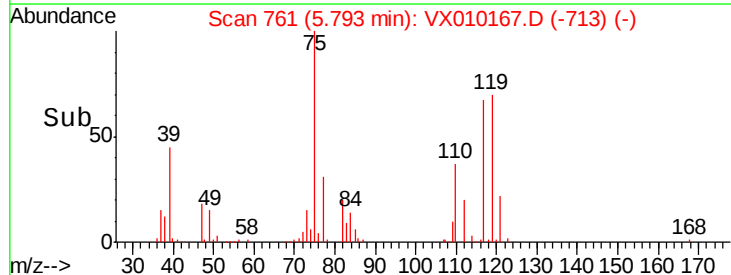
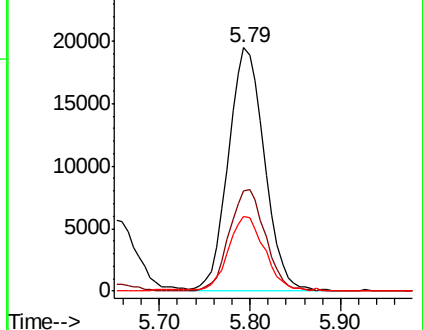
77 30.1 25.0 37.4

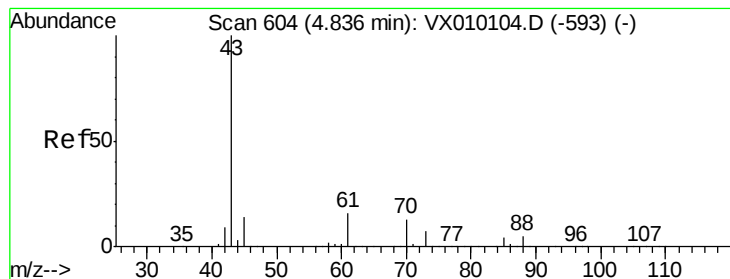


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 15.879 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

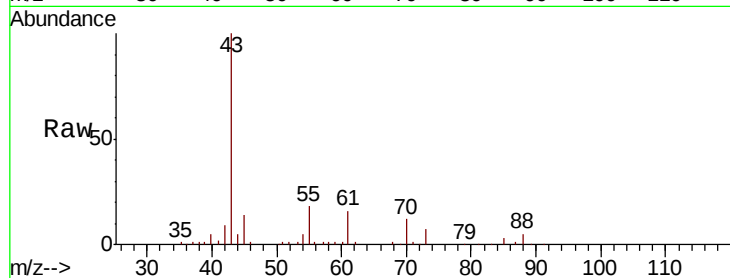
Tot Ion: 43 Resp: 54656

Ion Ratio Lower Upper

43 100

61 16.3 10.2 15.2#

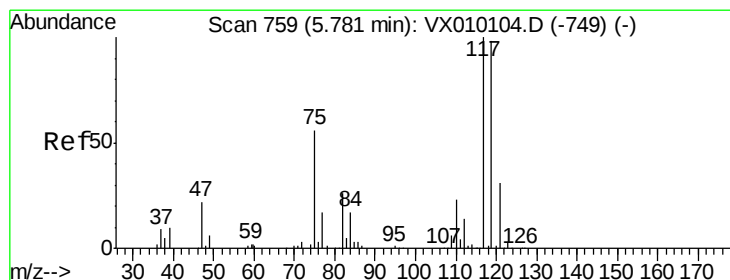
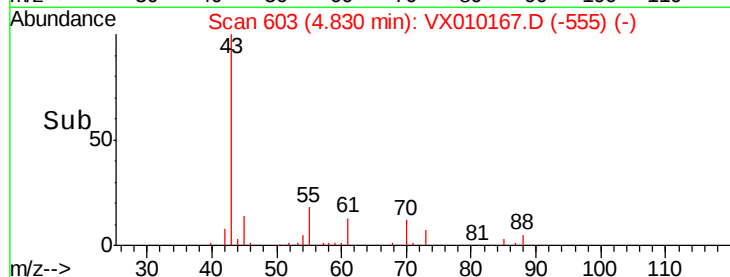
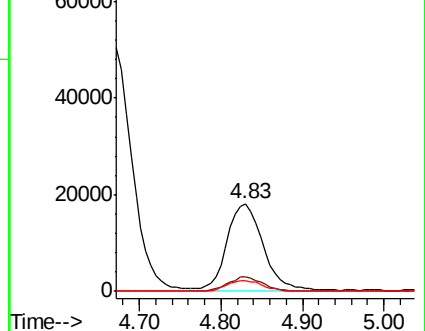
70 13.5 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 16.076 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

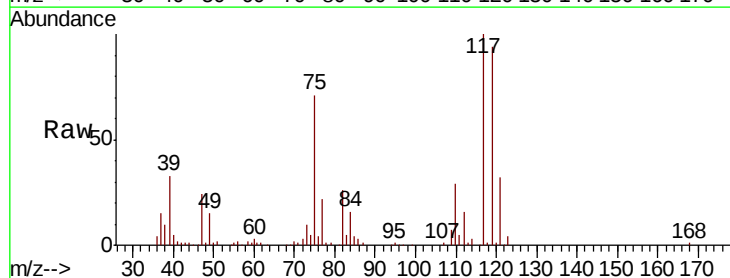
Tgt Ion: 117 Resp: 60195

Ion Ratio Lower Upper

117 100

119 93.9 77.3 115.9

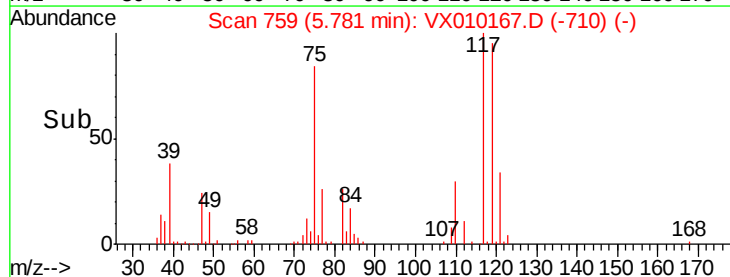
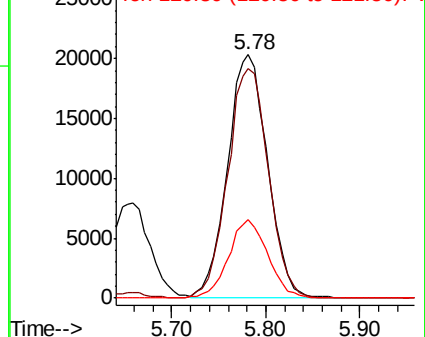
121 32.5 25.4 38.0

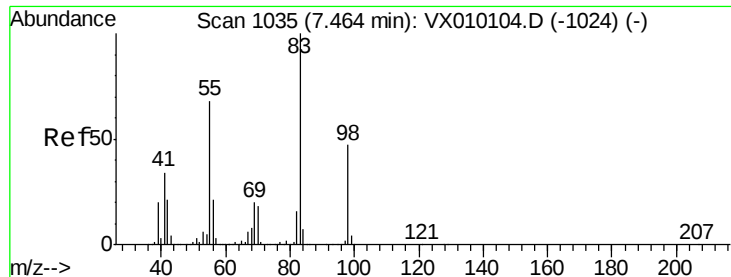


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

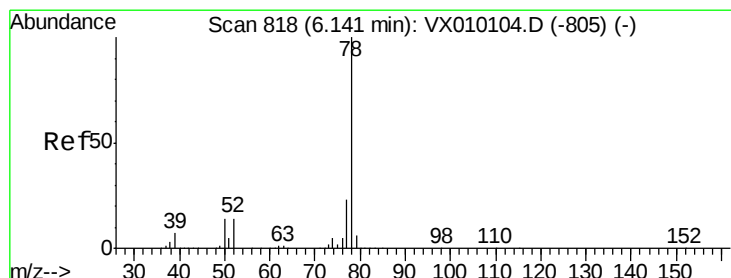
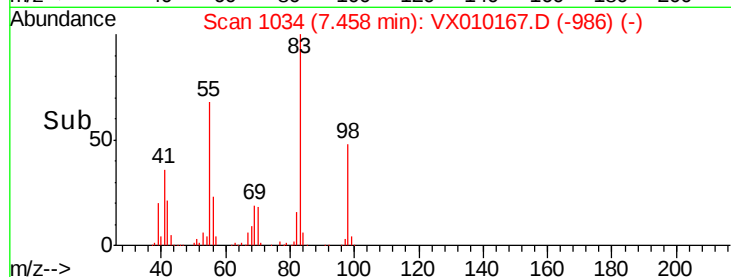
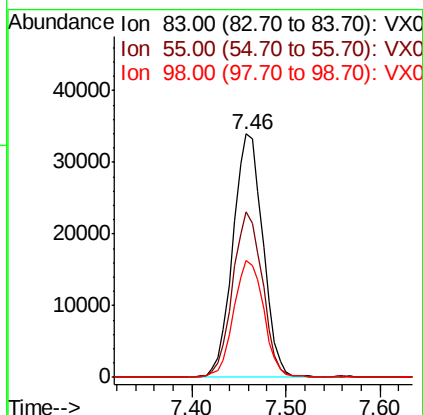
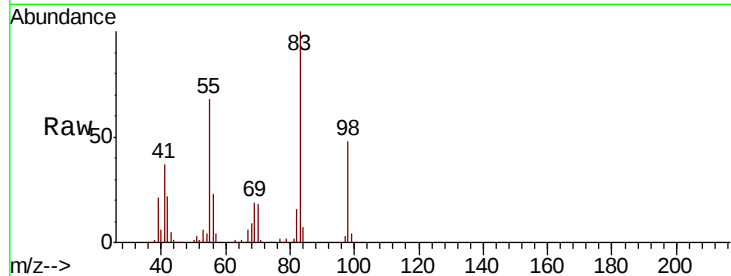




#39
Methvlcvclohexane
Concen: 16.779 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

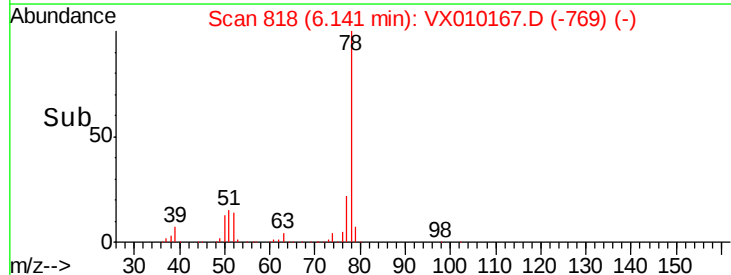
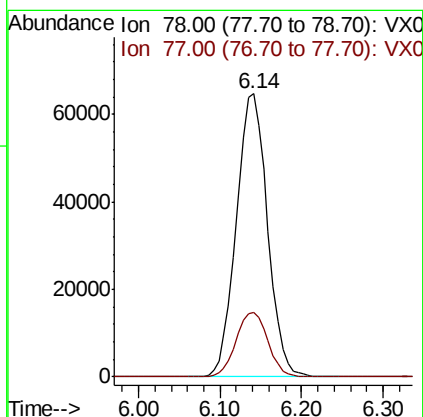
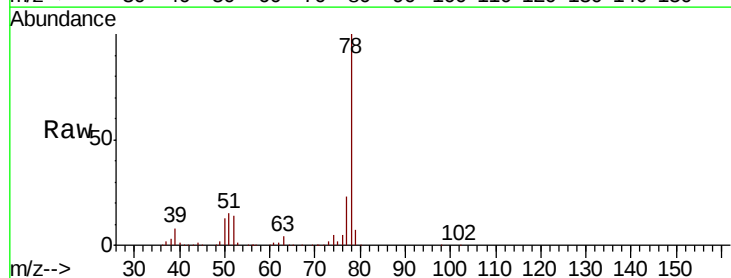
Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

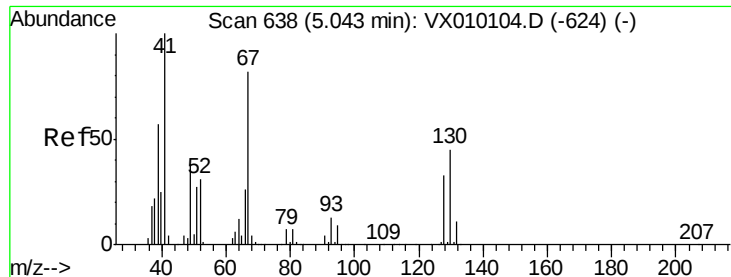
Tot Ion: 83 Resp: 75584
Ion Ratio Lower Upper
83 100
55 67.6 69.9 104.9#
98 47.8 35.1 52.7



#40
Benzene
Concen: 16.741 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion: 78 Resp: 171255
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8





#41

Methacrylonitrile

Concen: 15.540 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

VX0610WBS01

Tot Ion: 41 Resp: 28935

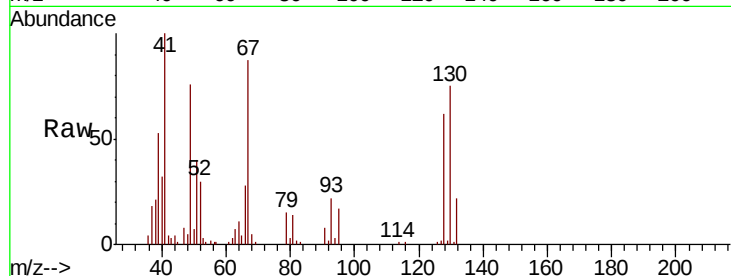
Ion Ratio Lower Upper

41 100

39 53.2 42.2 63.4

67 87.8 48.9 73.3#

52 32.9 20.1 30.1#

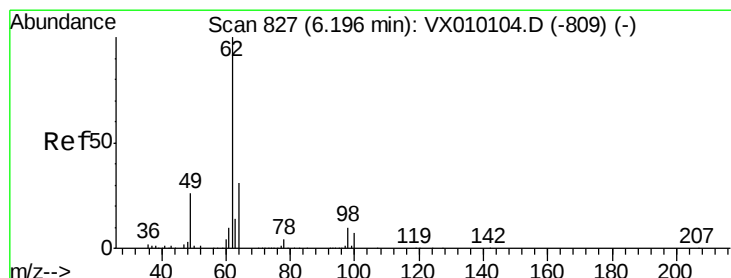
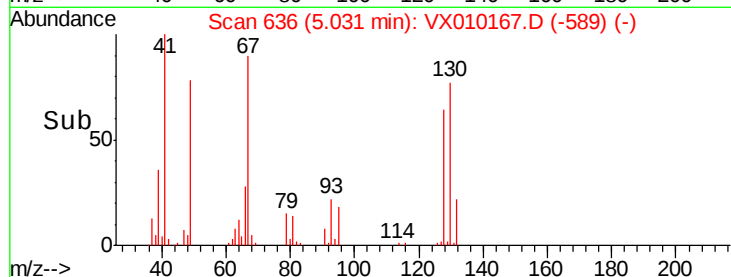
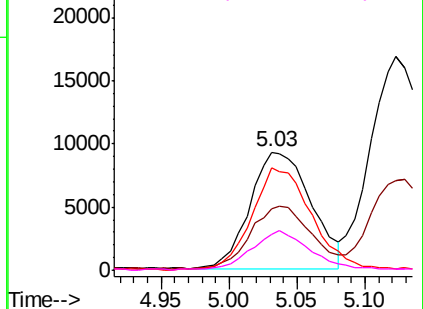


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 15.841 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010167.D

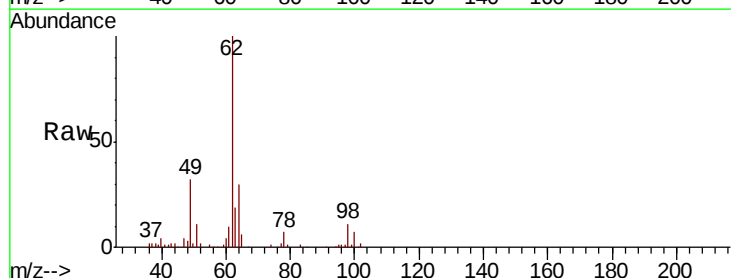
Acq: 10 Jun 2019 11:05

Tgt Ion: 62 Resp: 51733

Ion Ratio Lower Upper

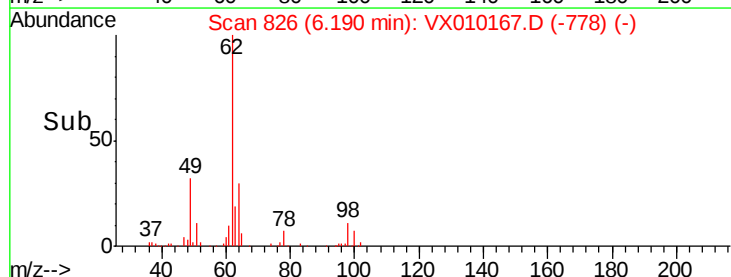
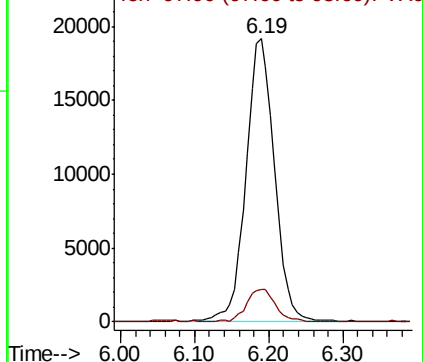
62 100

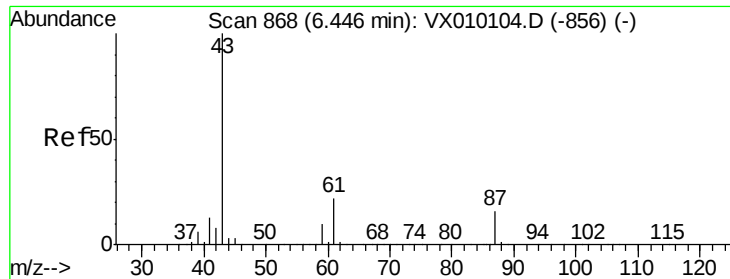
98 11.6 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 15.944 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

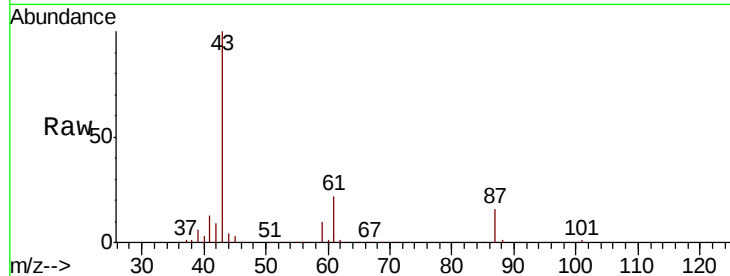
Tot Ion: 43 Resp: 91758

Ion Ratio Lower Upper

43 100

61 22.8 14.6 21.8#

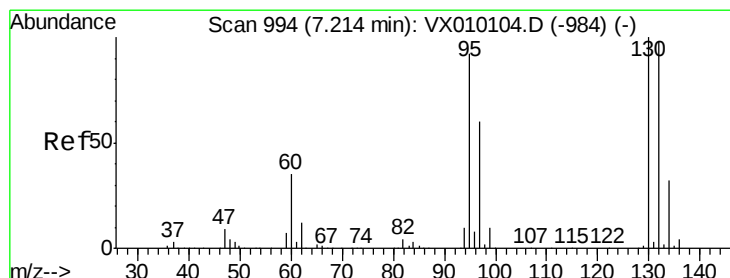
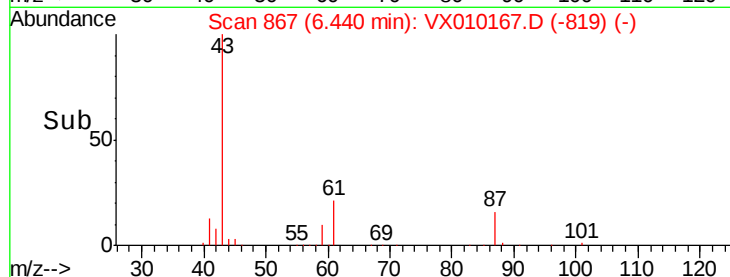
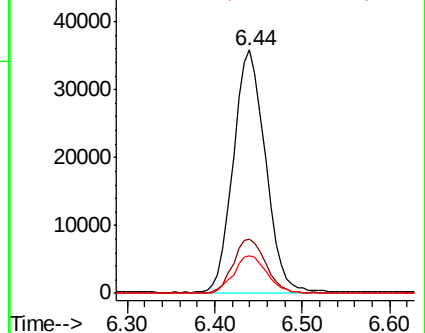
87 16.2 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 16.779 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010167.D

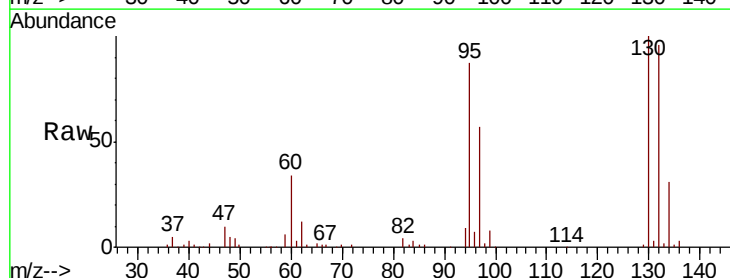
Acq: 10 Jun 2019 11:05

Tgt Ion: 130 Resp: 51737

Ion Ratio Lower Upper

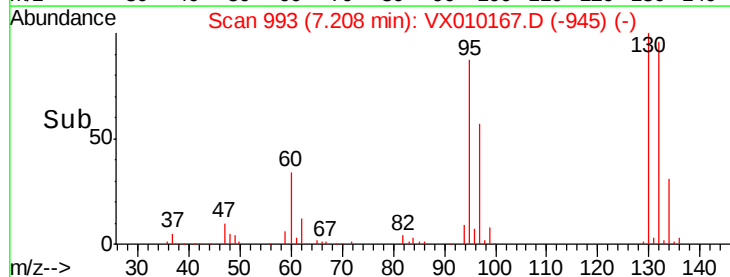
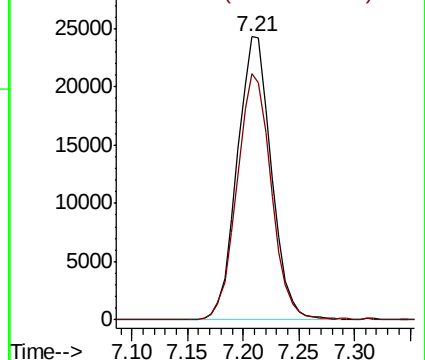
130 100

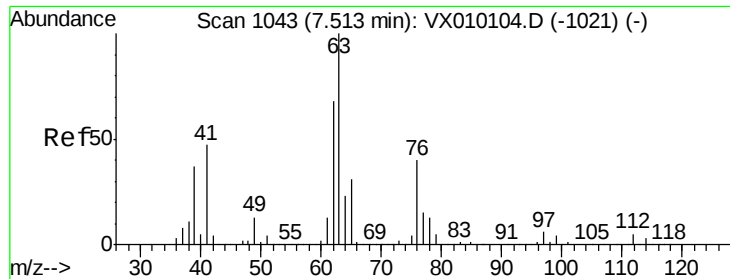
95 86.6 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 16.526 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

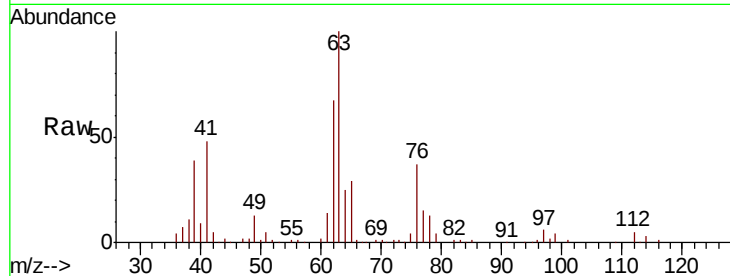
VX0610WBS01

Tot Ion: 63 Resp: 42312

Ion Ratio Lower Upper

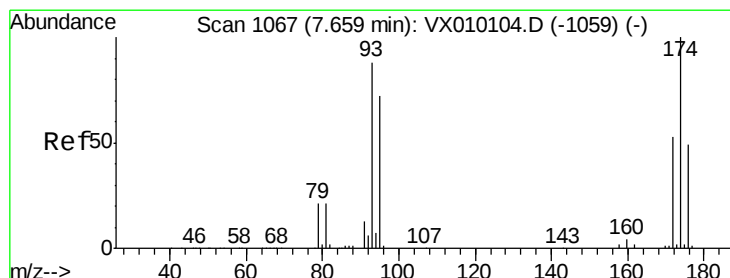
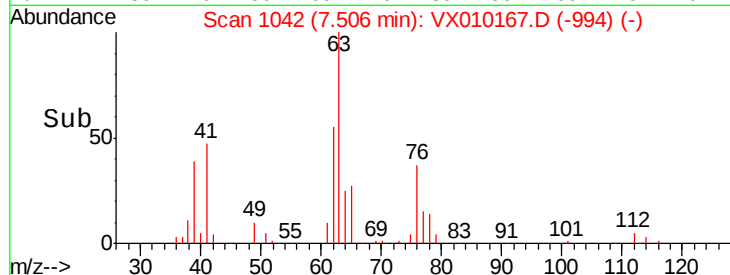
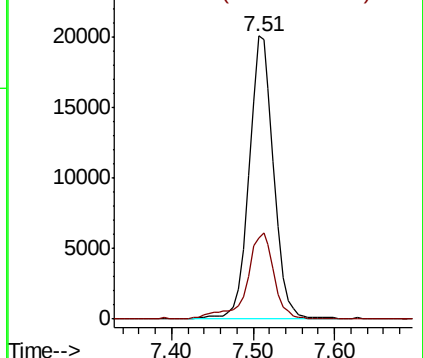
63 100

65 28.8 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 15.997 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

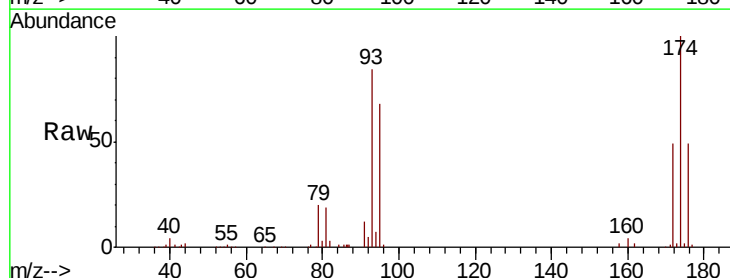
Tgt Ion: 93 Resp: 30685

Ion Ratio Lower Upper

93 100

95 82.9 66.8 100.2

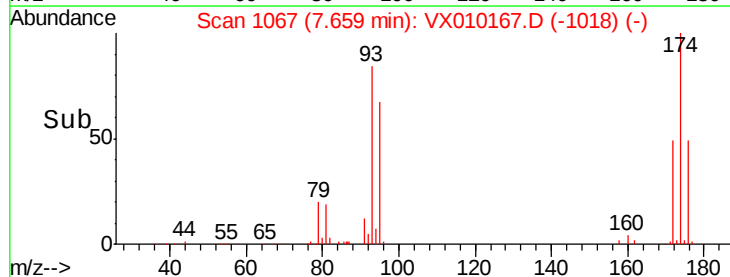
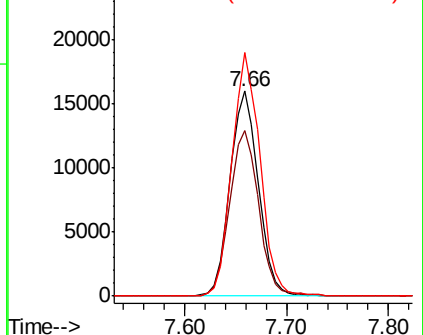
174 117.9 81.9 122.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 16.069 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

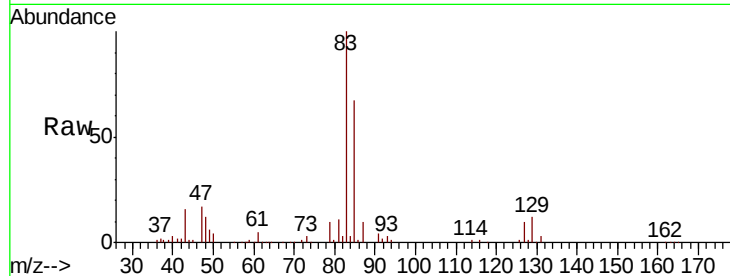
Tot Ion: 83 Resp: 57597

Ion Ratio Lower Upper

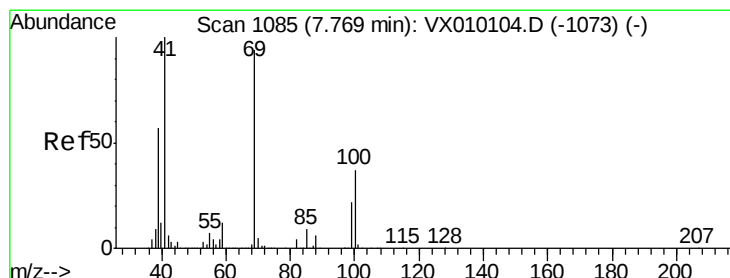
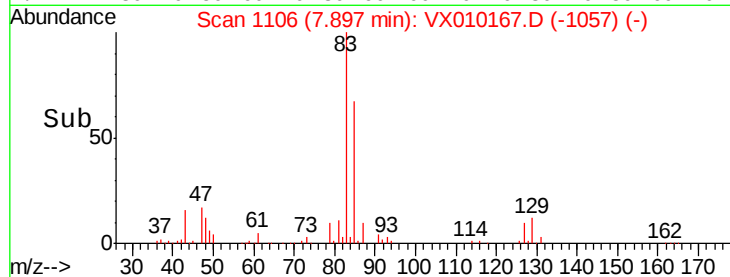
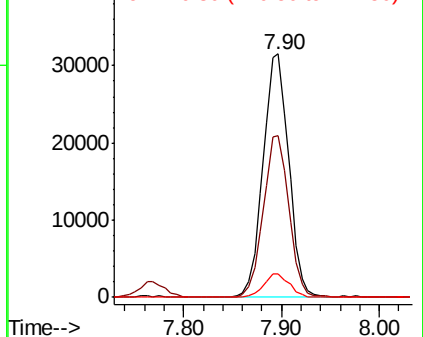
83 100

85 66.3 51.4 77.2

127 9.5 6.4 9.6



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



#48

Methyl methacrylate

Concen: 15.818 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

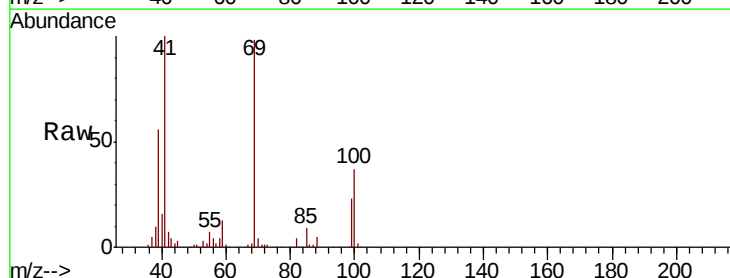
Tgt Ion: 41 Resp: 42573

Ion Ratio Lower Upper

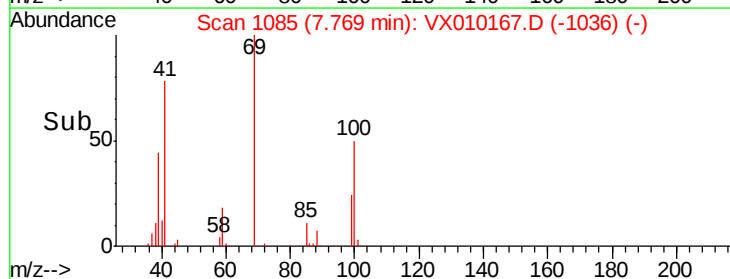
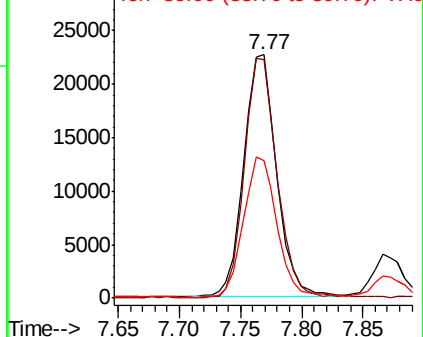
41 100

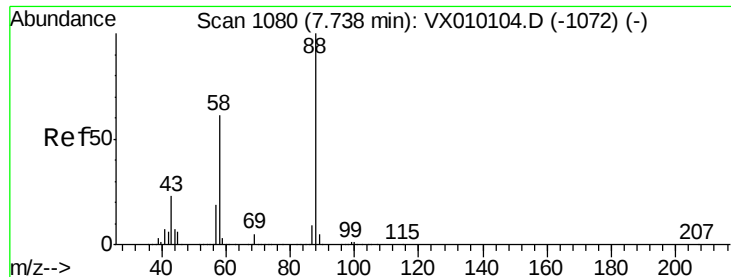
69 99.3 56.4 84.6#

39 58.2 40.6 60.8



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





#49

1,4-Dioxane

Concen: 341.009 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

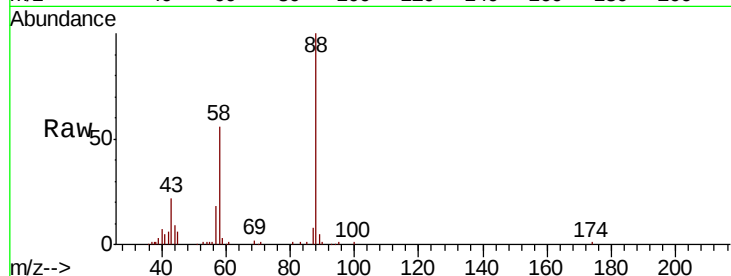
Tot Ion: 88 Resp: 26168

Ion Ratio Lower Upper

88 100

43 25.5 30.2 45.4#

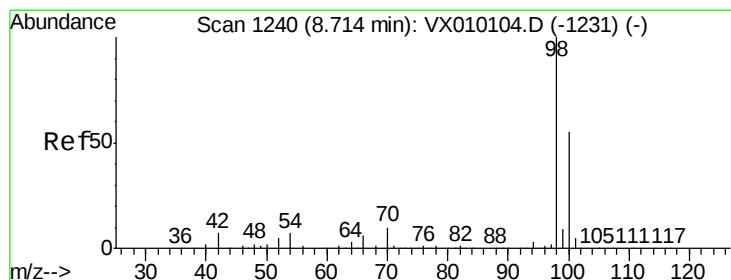
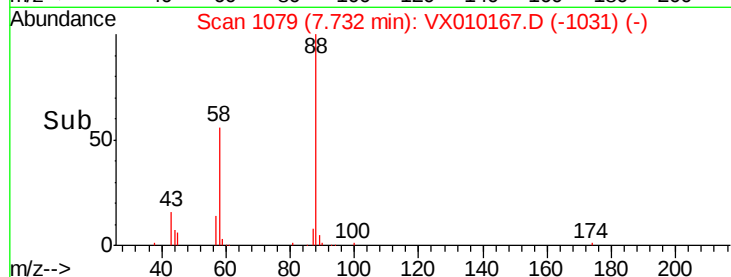
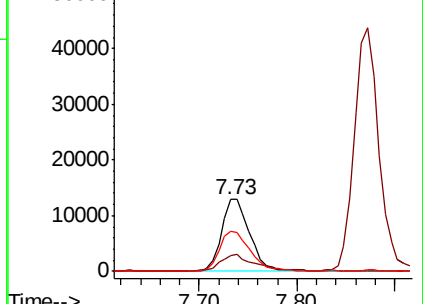
58 60.4 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.259 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010167.D

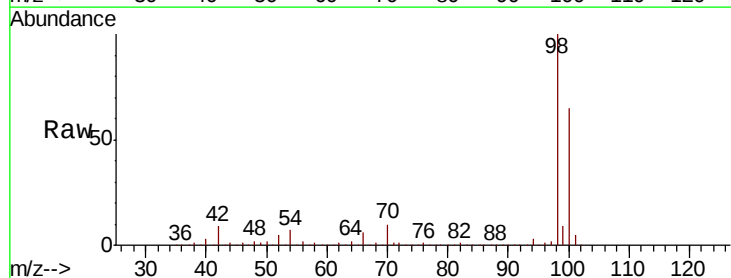
Acq: 10 Jun 2019 11:05

Tgt Ion: 98 Resp: 452375

Ion Ratio Lower Upper

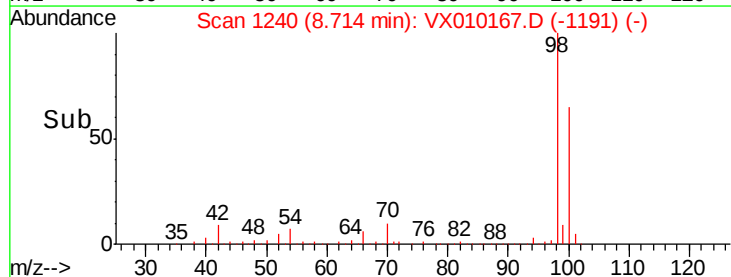
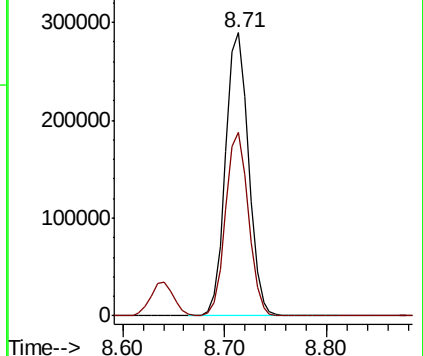
98 100

100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 82.126 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

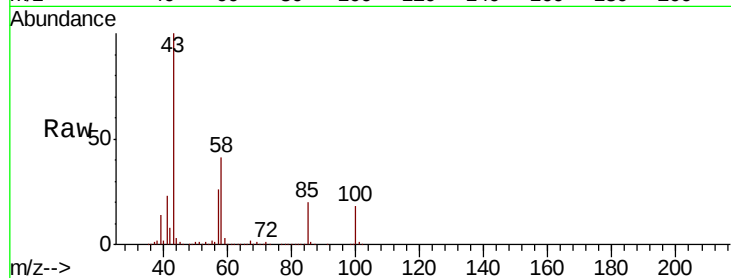
VX0610WBS01

Tot Ion: 43 Resp: 282354

Ion Ratio Lower Upper

43 100

58 42.7 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

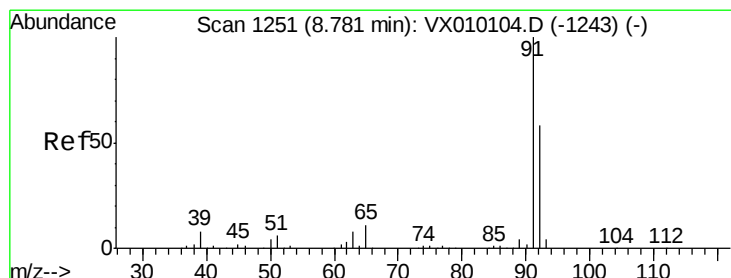
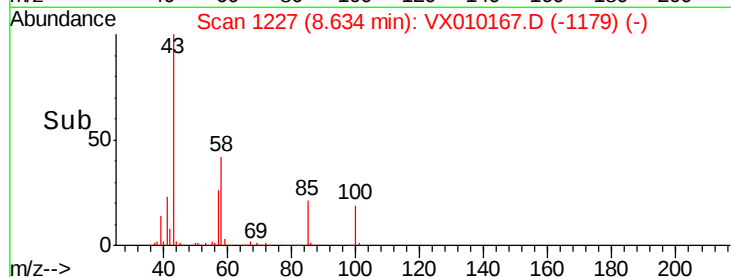
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 16.429 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010167.D

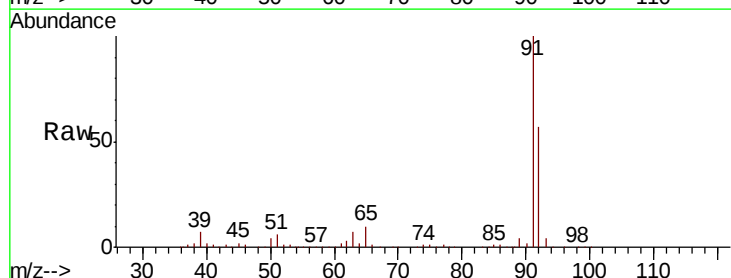
Acq: 10 Jun 2019 11:05

Tgt Ion: 92 Resp: 110475

Ion Ratio Lower Upper

92 100

91 176.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

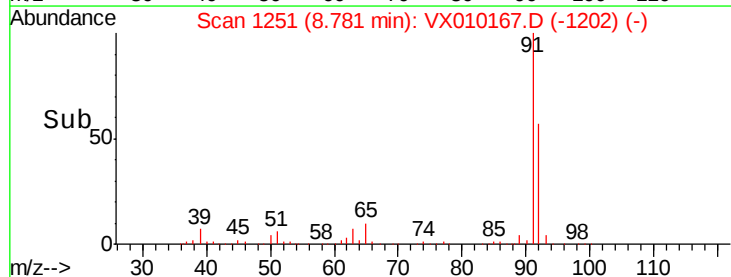
150000

100000

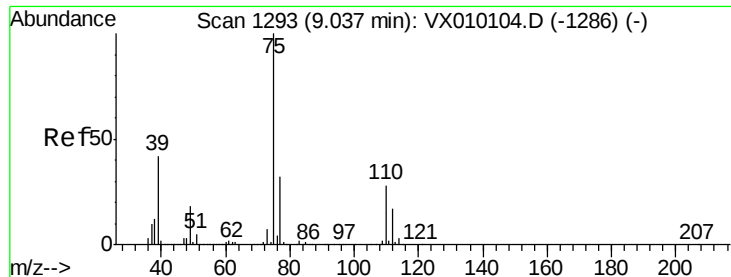
50000

0

Time-->



Time-->



#53

t-1,3-Dichloropropene

Concen: 15.794 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

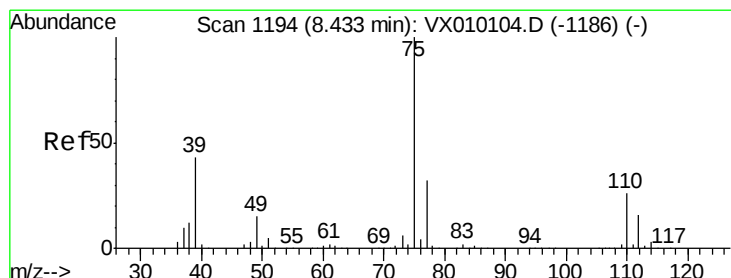
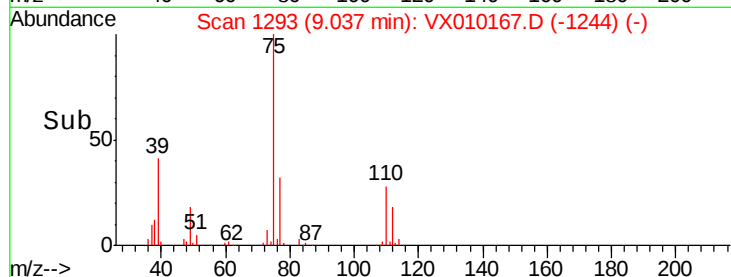
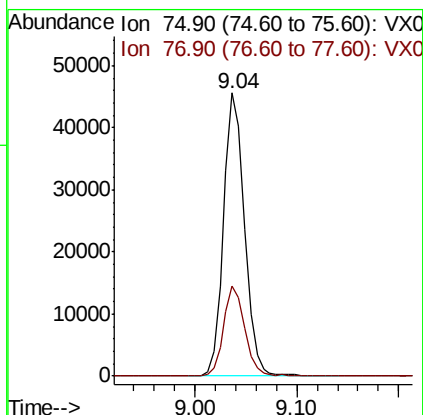
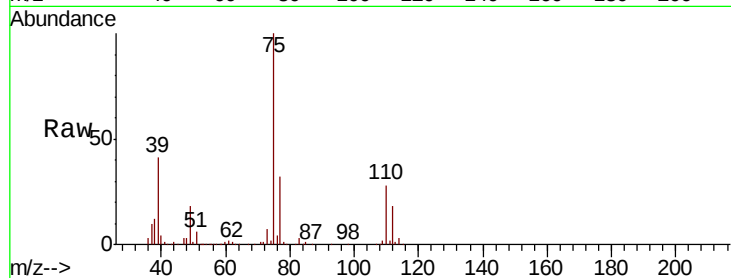
VX0610WBS01

Tot Ion: 75 Resp: 65480

Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 16.042 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

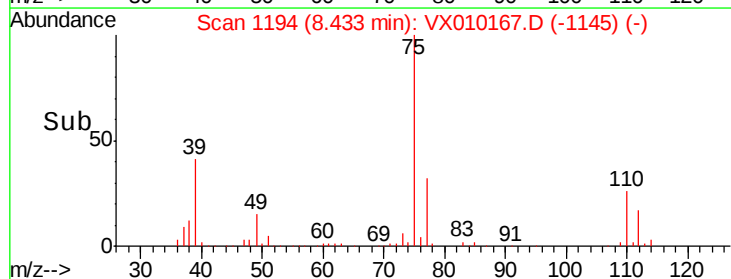
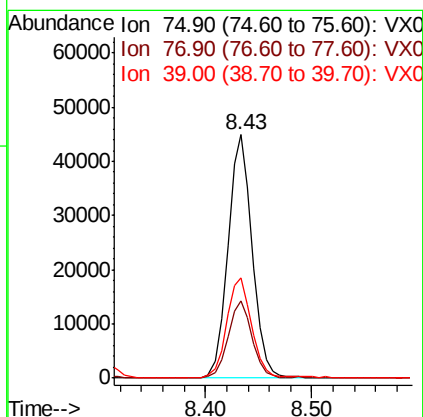
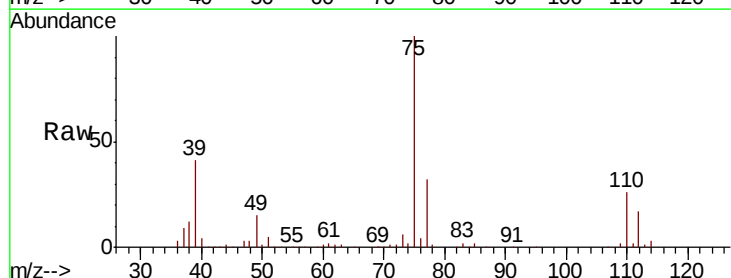
Tgt Ion: 75 Resp: 71301

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 41.2 43.4 65.0#

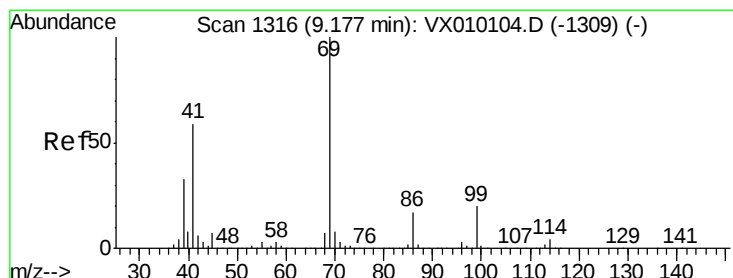
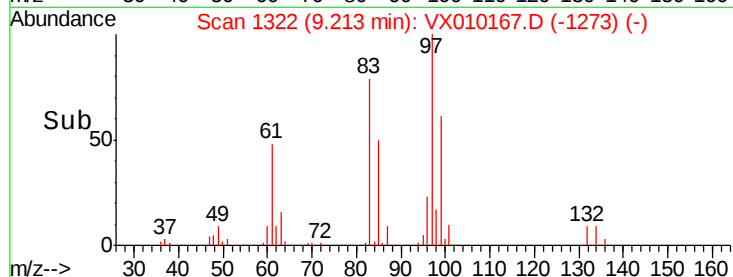
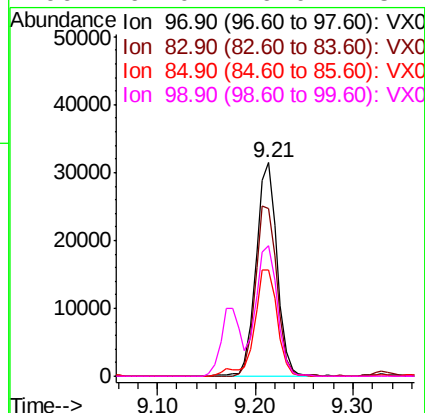
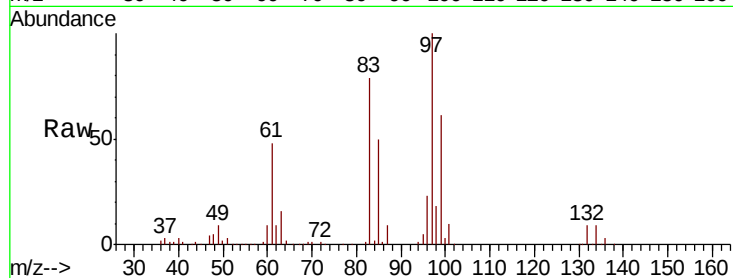




#55
 1,1,2-Trichloroethane
 Concen: 16.964 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

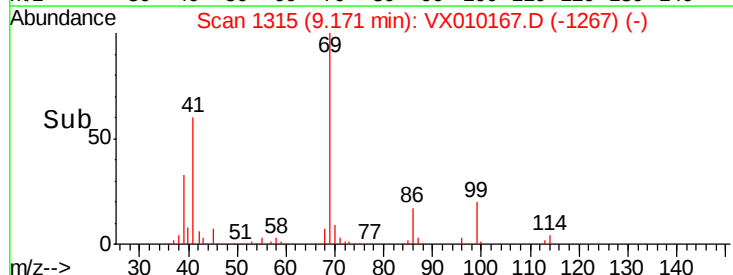
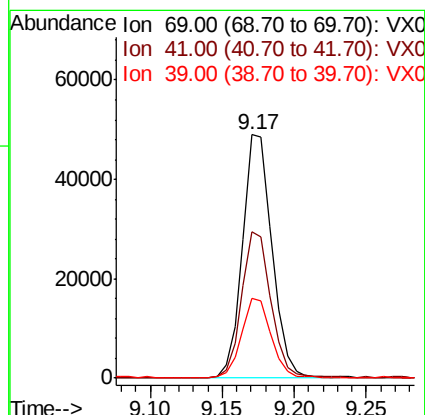
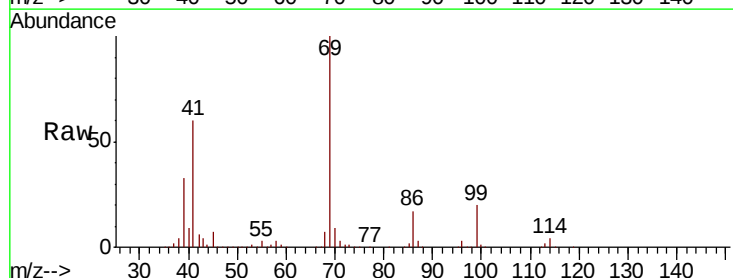
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

Tot Ion: 97 Resp: 46716
 Ion Ratio Lower Upper
 97 100
 83 78.7 69.8 104.8
 85 50.0 45.3 67.9
 99 61.0 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 16.044 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Tgt Ion: 69 Resp: 69793
 Ion Ratio Lower Upper
 69 100
 41 59.1 62.7 94.1#
 39 32.3 29.5 44.3





#57

1,3-Dichloropropane

Concen: 16.227 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

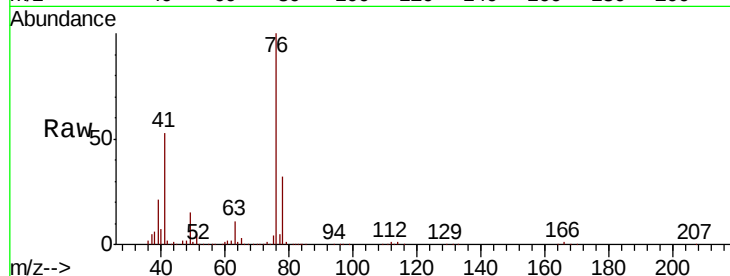
VX0610WBS01

Tot Ion: 76 Resp: 70355

Ion Ratio Lower Upper

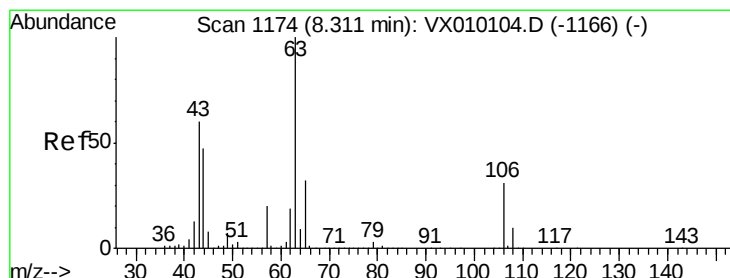
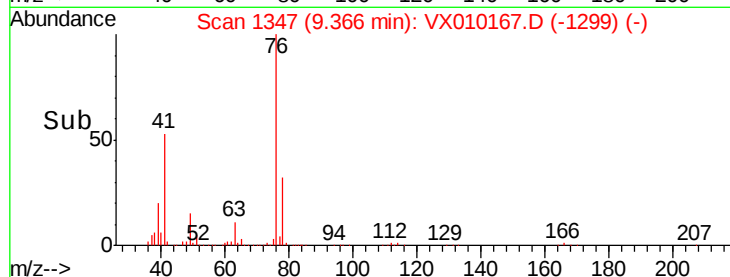
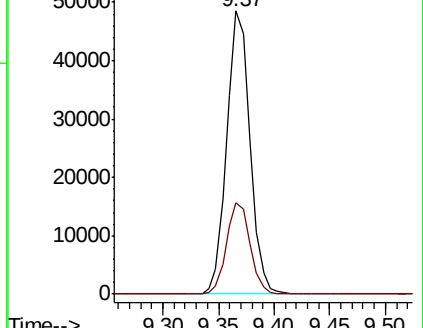
76 100

78 33.0 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 96.313 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010167.D

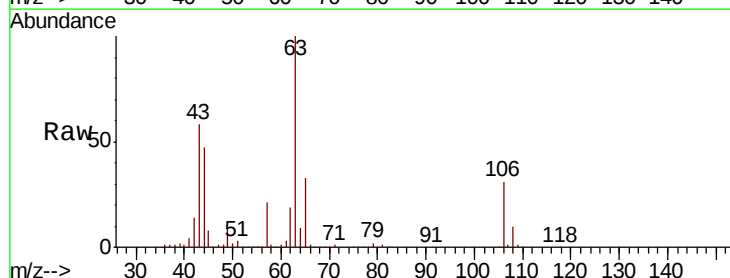
Acq: 10 Jun 2019 11:05

Tgt Ion: 63 Resp: 197517

Ion Ratio Lower Upper

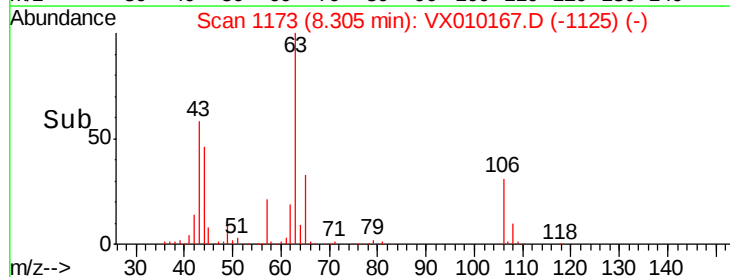
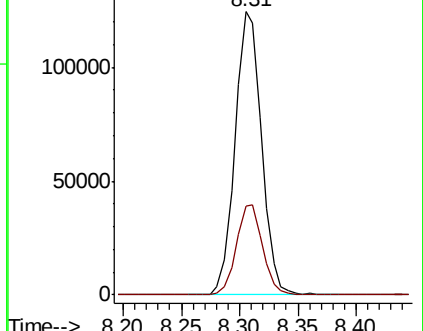
63 100

106 31.5 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

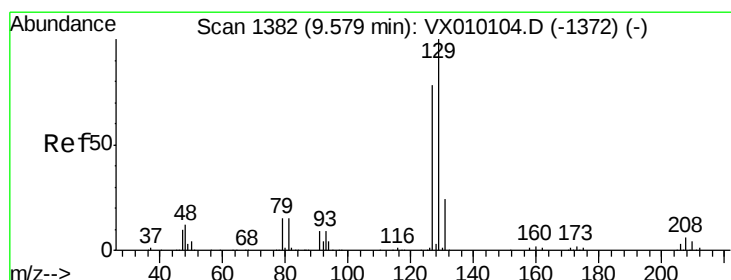
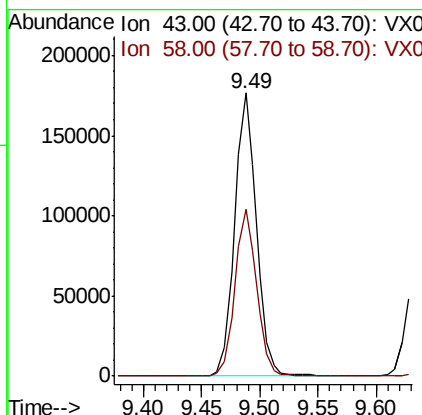
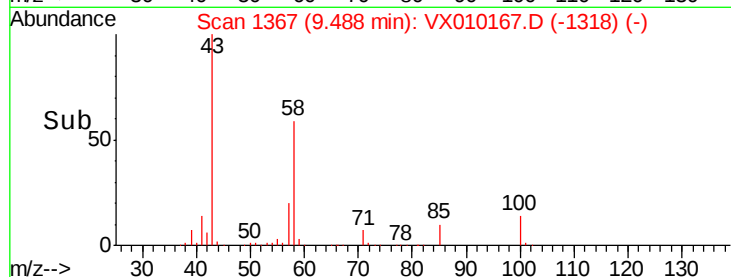
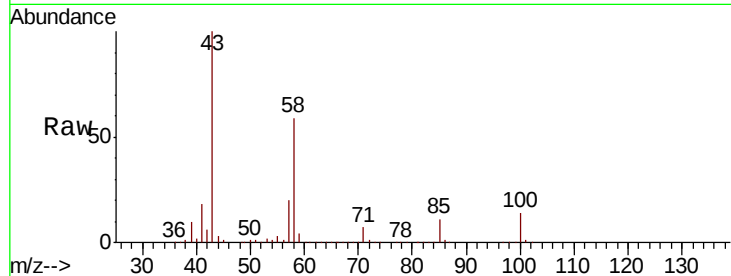




#59
2-Hexanone
Concen: 83.713 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

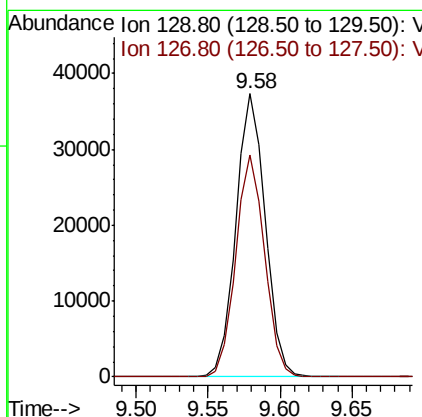
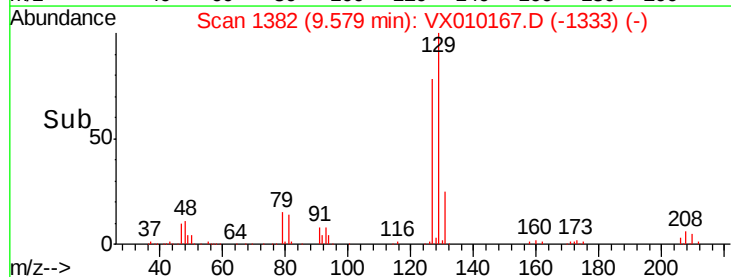
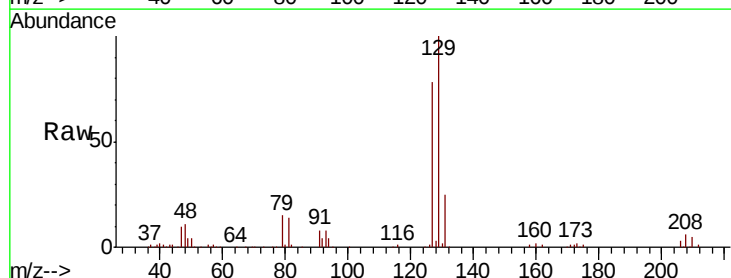
Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

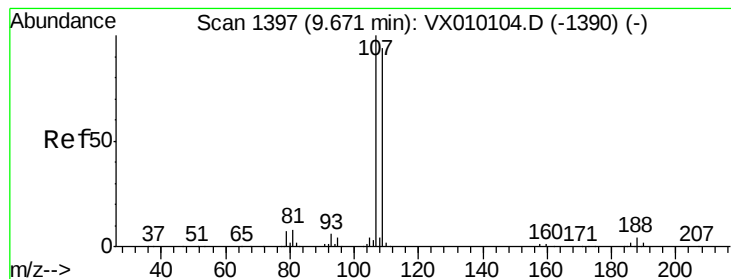
Tot Ion: 43 Resp: 229474
Ion Ratio Lower Upper
43 100
58 59.1 25.1 75.3



#60
Dibromochloromethane
Concen: 16.277 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion: 129 Resp: 53019
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 16.341 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

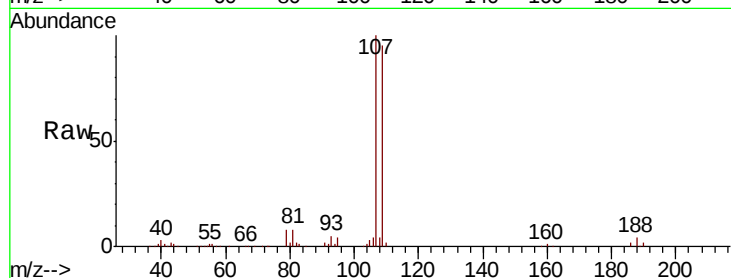
VX0610WBS01

Tot Ion:107 Resp: 50119

Ion Ratio Lower Upper

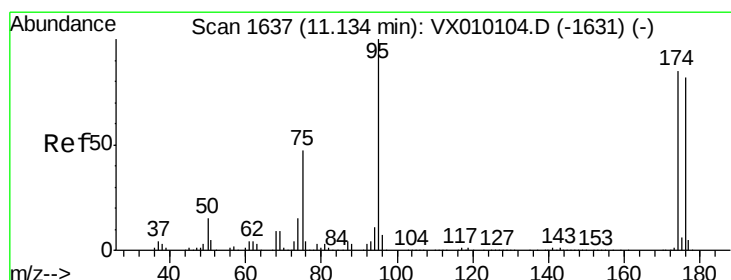
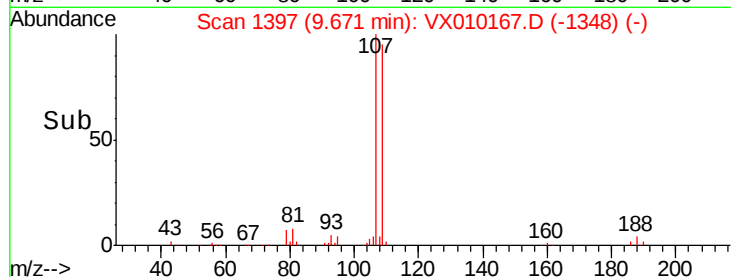
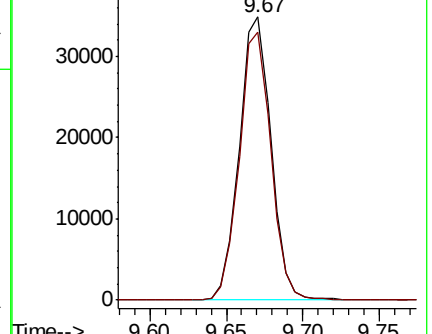
107 100

109 94.7 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.494 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

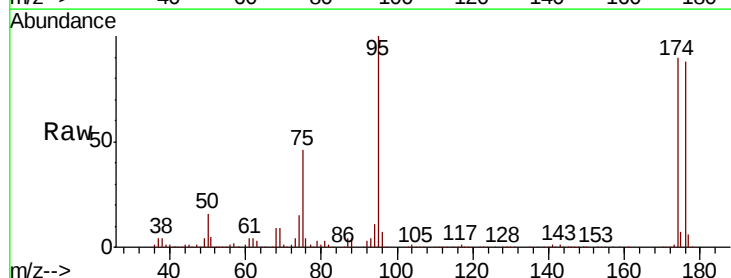
Tgt Ion: 95 Resp: 166266

Ion Ratio Lower Upper

95 100

174 93.0 0.0 160.4

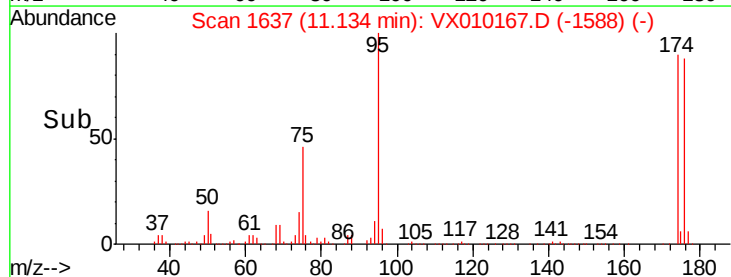
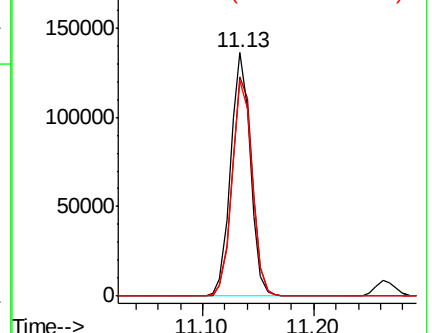
176 90.0 0.0 154.6

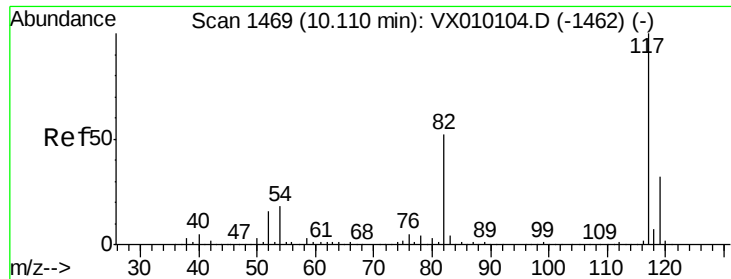


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

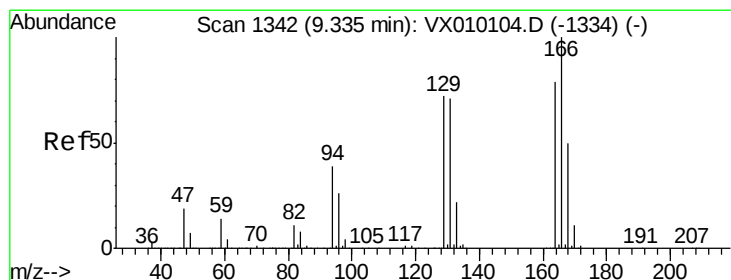
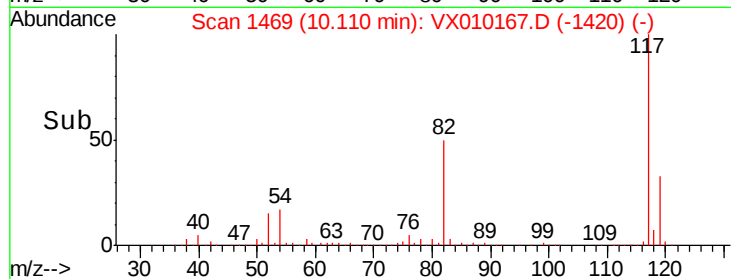
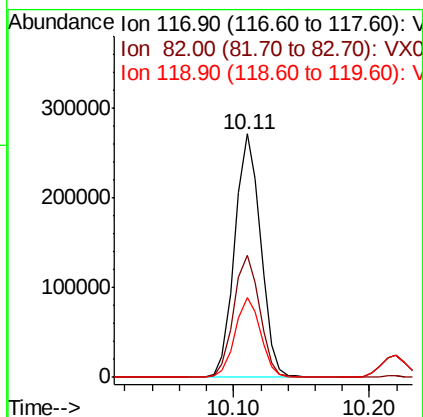
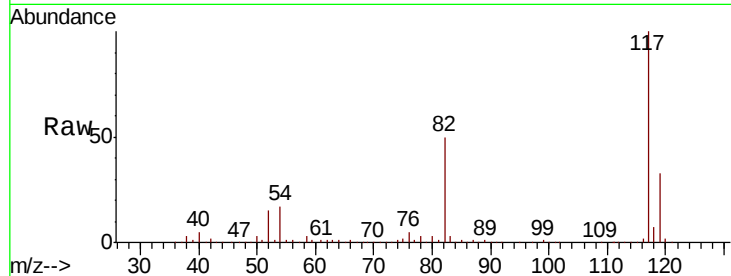




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

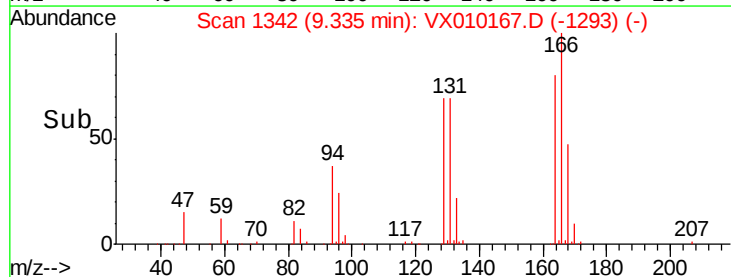
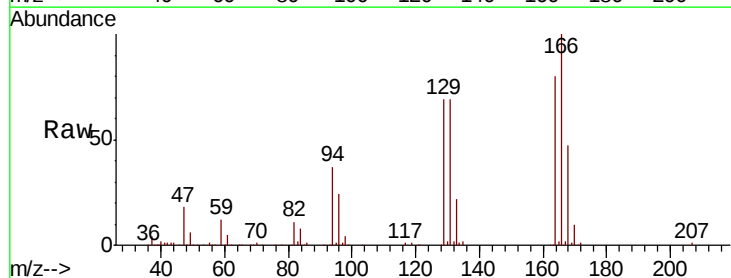
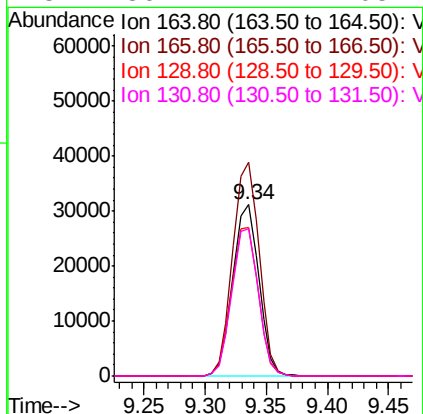
Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

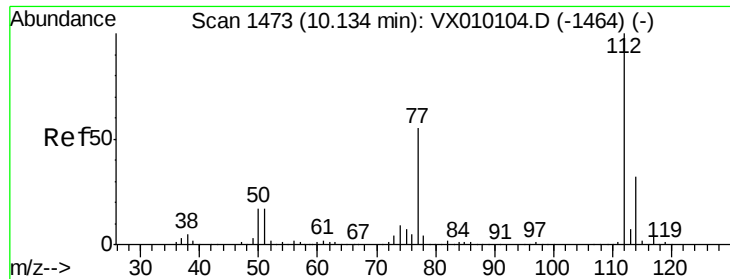
Tot Ion:117 Resp: 361192
Ion Ratio Lower Upper
117 100
82 50.3 49.2 73.8
119 32.7 25.2 37.8



#64
Tetrachloroethene
Concen: 17.165 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion:164 Resp: 46047
Ion Ratio Lower Upper
164 100
166 125.0 105.0 157.4
129 86.6 75.1 112.7
131 86.4 72.2 108.4

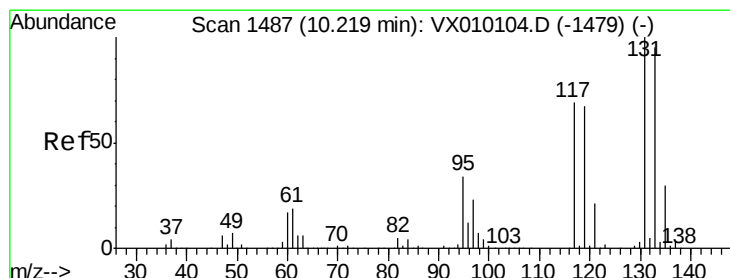
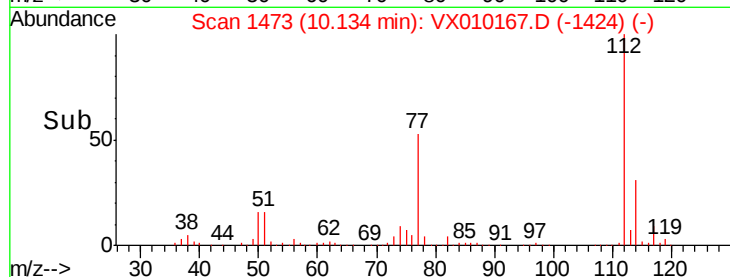
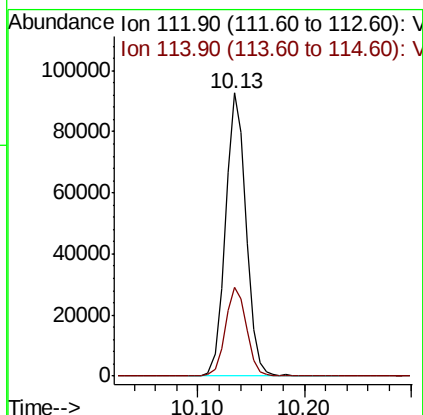
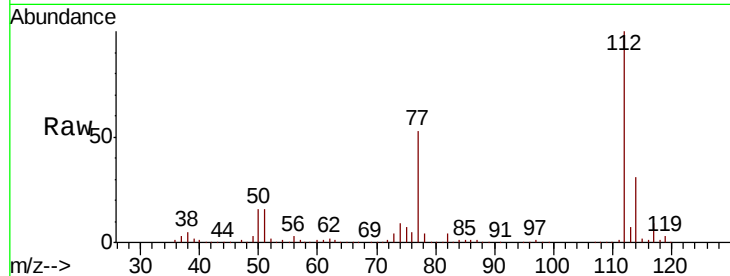




#65
Chlorobenzene
Concen: 16.861 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

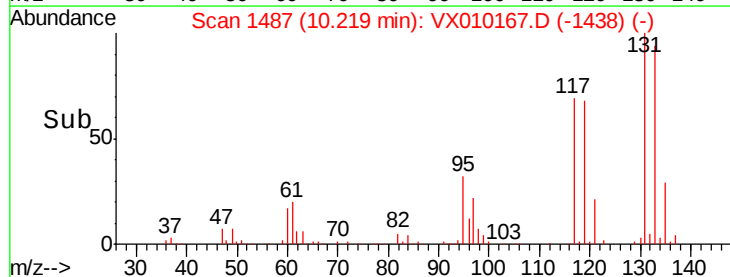
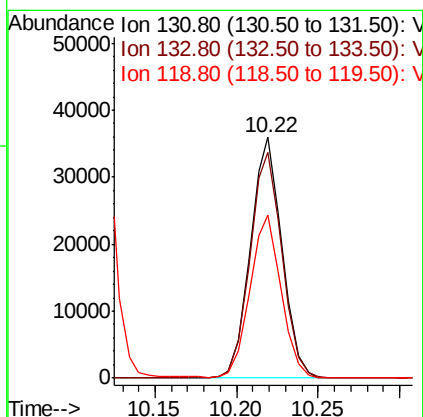
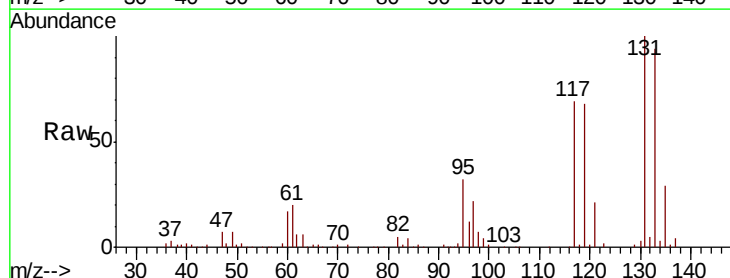
Instrument :
MSVOA_X
ClientSampled :
VX0610WBS01

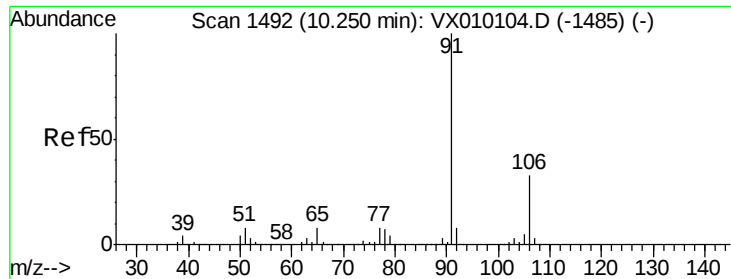
Tot Ion:112 Resp: 125694
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 16.788 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion:131 Resp: 48127
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 67.6 33.4 100.1

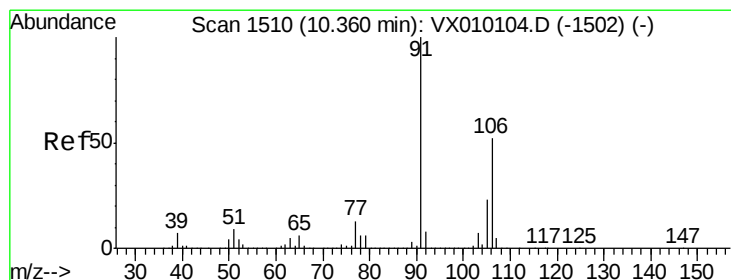
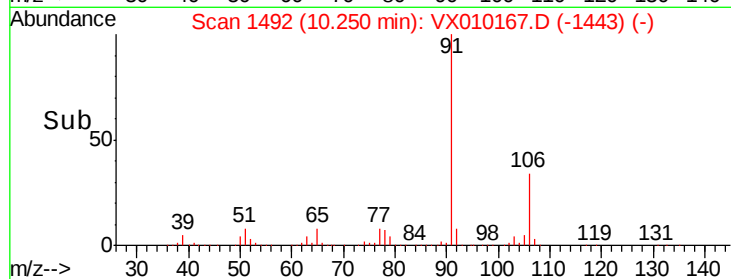
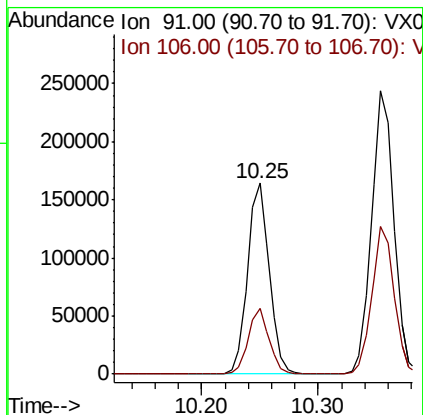
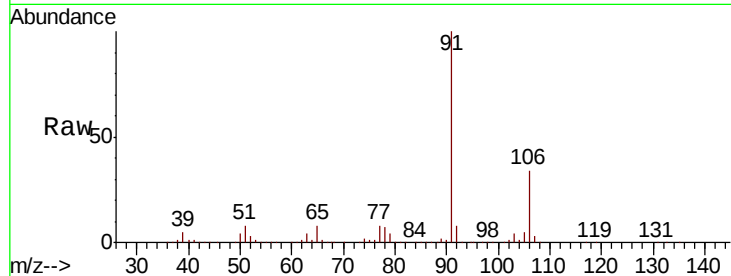




#67
Ethyl Benzene
Concen: 16.955 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

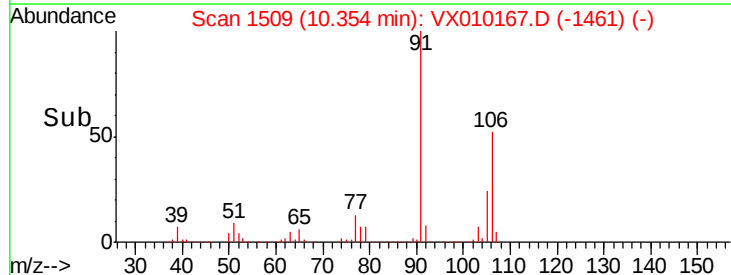
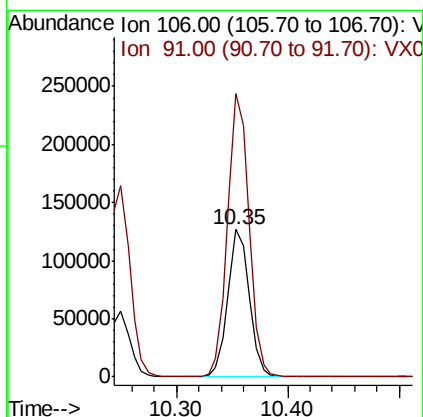
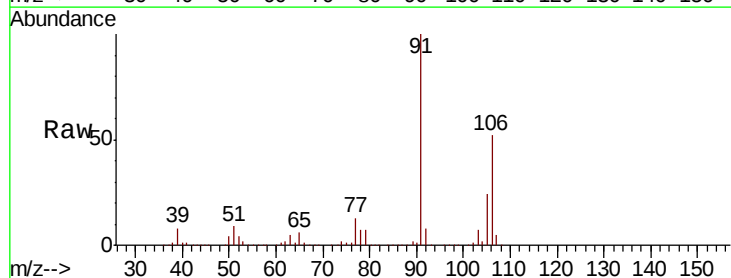
Instrument :
MSVOA_X
ClientSampled :
VX0610WBS01

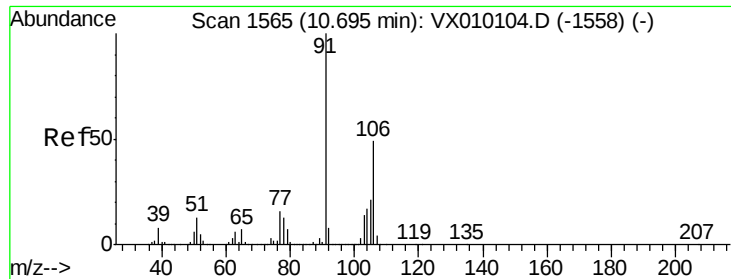
Tot Ion: 91 Resp: 215169
Ion Ratio Lower Upper
91 100
106 34.2 23.9 35.9



#68
m/p-Xylenes
Concen: 34.608 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion: 106 Resp: 169957
Ion Ratio Lower Upper
106 100
91 191.5 167.3 250.9

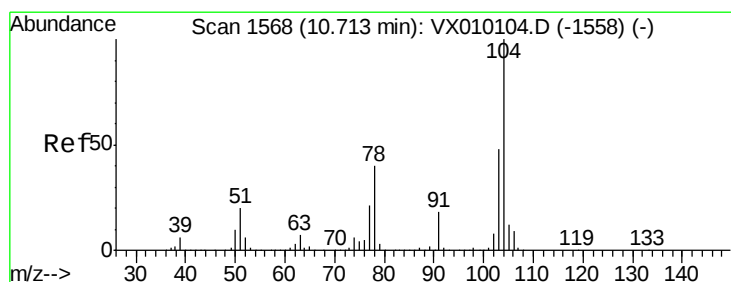
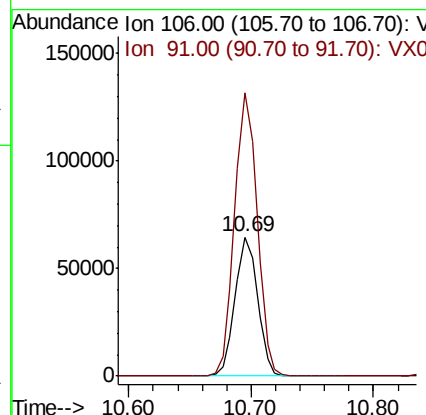
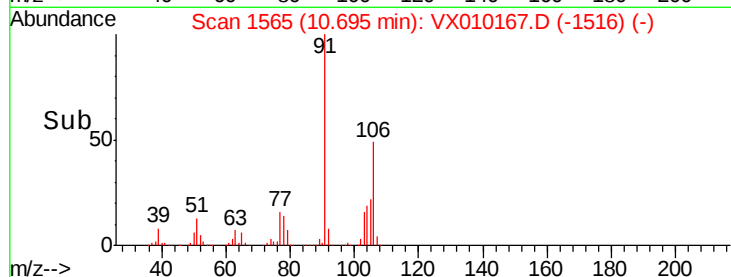
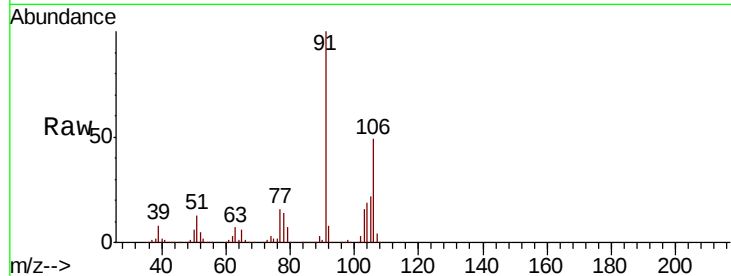




#69
o-Xylene
Concen: 16.867 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

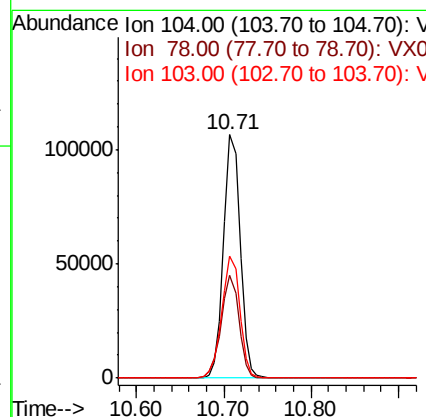
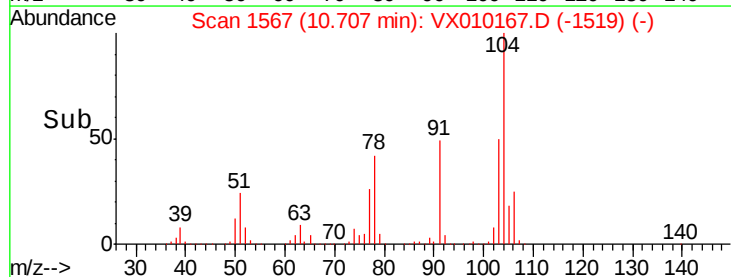
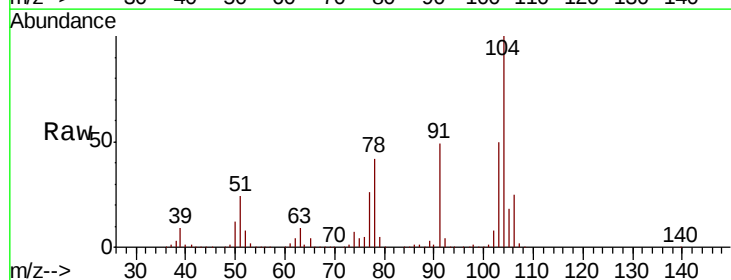
Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

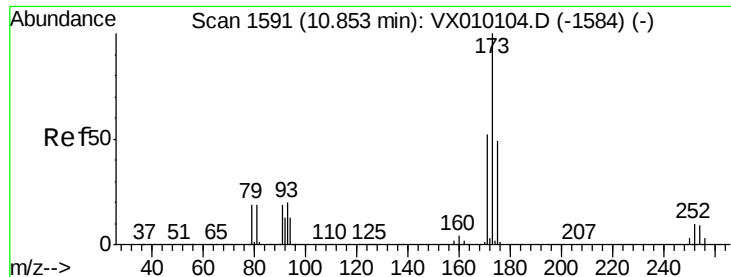
Tot Ion:106 Resp: 82338
Ion Ratio Lower Upper
106 100
91 204.8 110.4 331.2



#70
Styrene
Concen: 17.030 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion:104 Resp: 140804
Ion Ratio Lower Upper
104 100
78 45.2 42.1 63.1
103 54.1 44.1 66.1





#71

Bromoform

Concen: 16.647 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

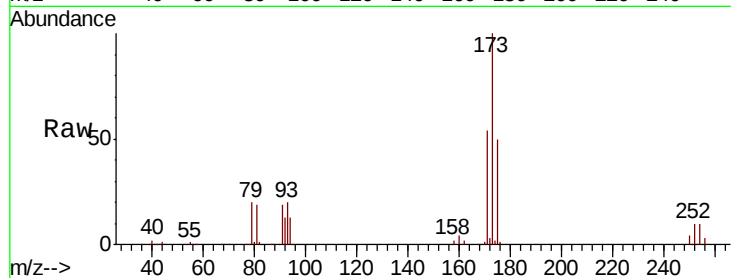
Tot Ion:173 Resp: 43874

Ion Ratio Lower Upper

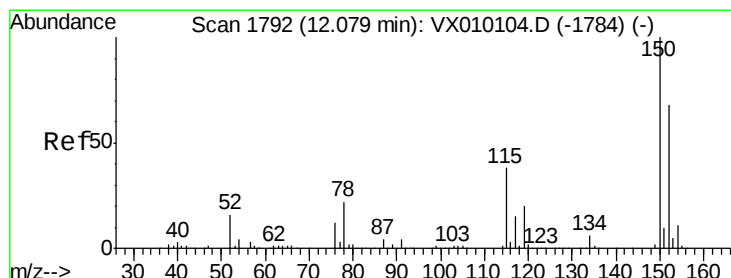
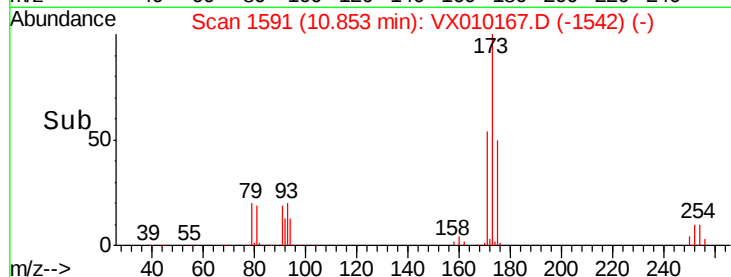
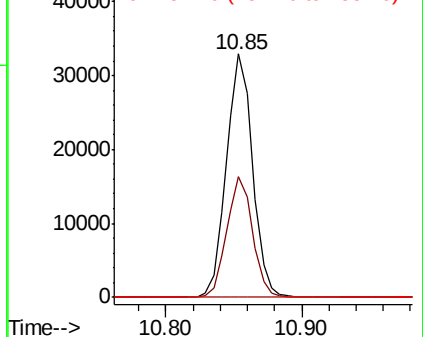
173 100

175 48.8 25.0 75.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

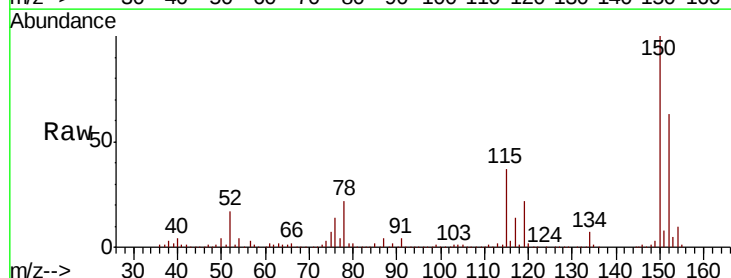
Tgt Ion:152 Resp: 191329

Ion Ratio Lower Upper

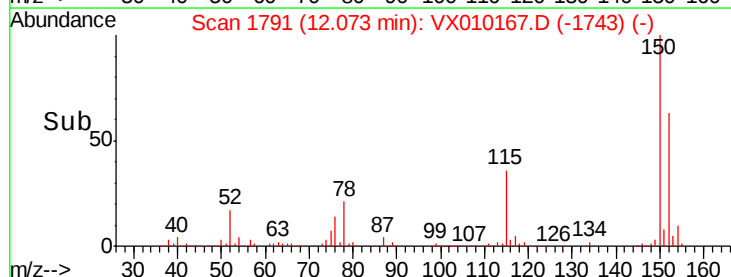
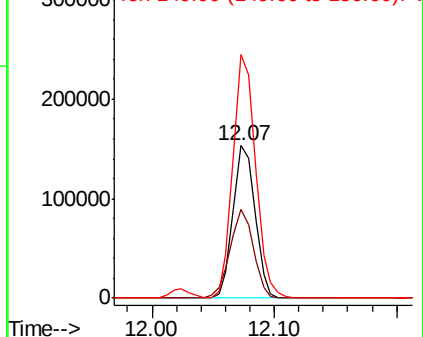
152 100

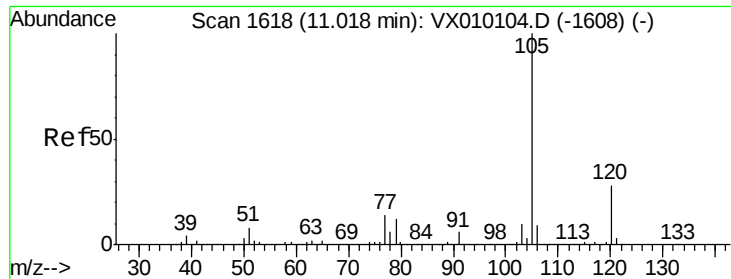
115 61.8 41.4 124.2

150 163.1 0.0 345.2



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





#73

Isopropylbenzene

Concen: 16.443 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

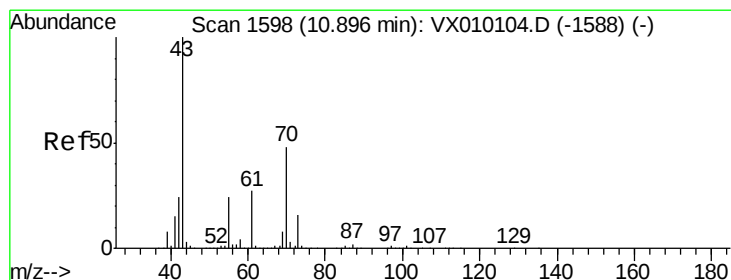
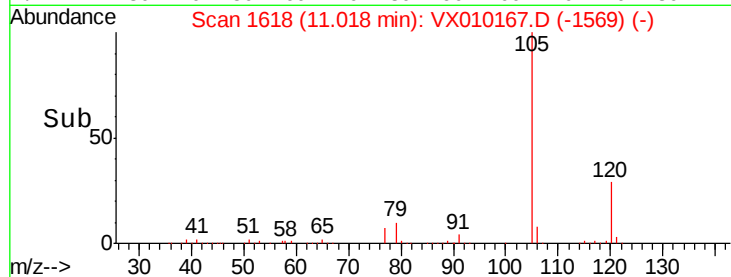
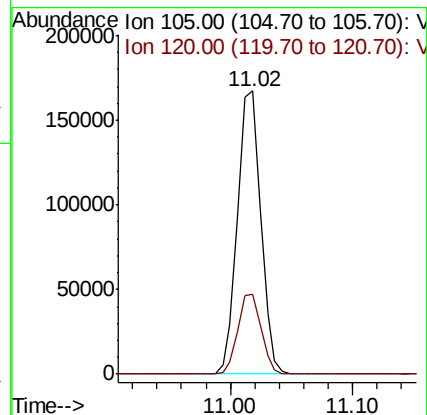
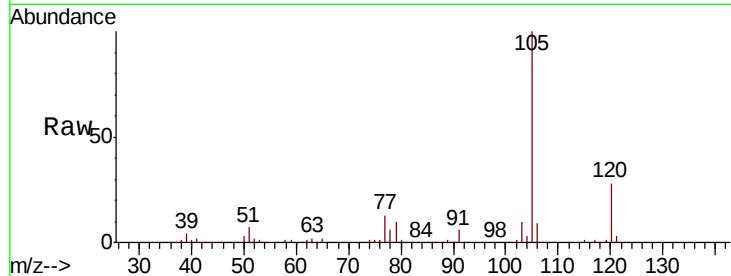
VX0610WBS01

Tot Ion: 105 Resp: 219616

Ion Ratio Lower Upper

105 100

120 28.1 12.8 38.4



#74

N-ethyl acetate

Concen: 15.936 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Tgt Ion: 43 Resp: 84134

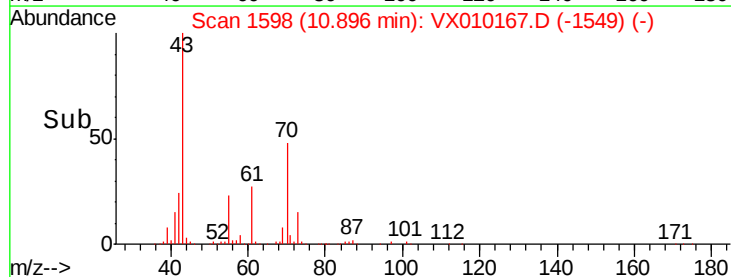
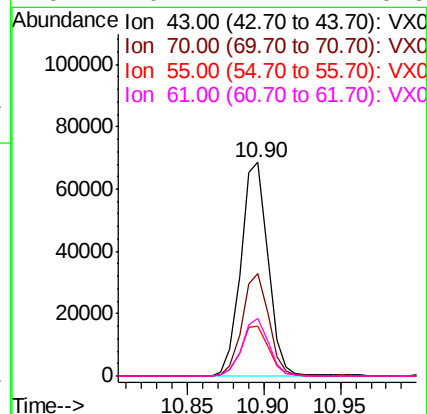
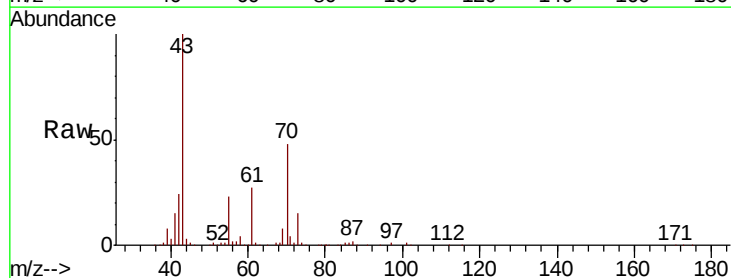
Ion Ratio Lower Upper

43 100

70 47.5 28.6 43.0#

55 23.9 17.8 26.8

61 26.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 15.750 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

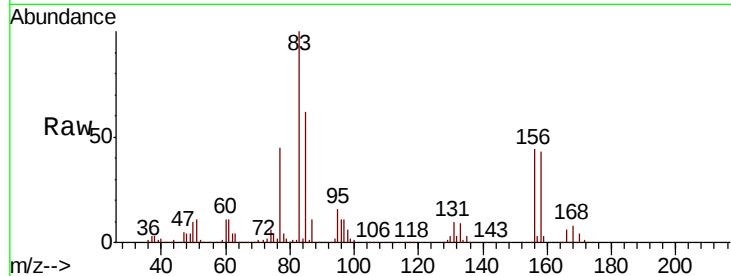
Tot Ion: 83 Resp: 72007

Ion Ratio Lower Upper

83 100

131 11.0 4.7 14.1

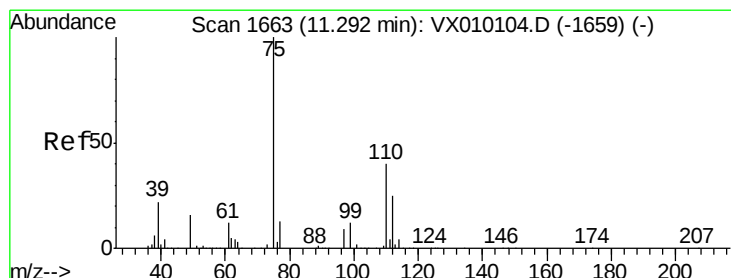
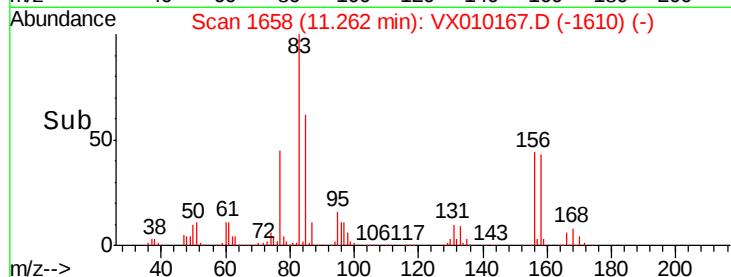
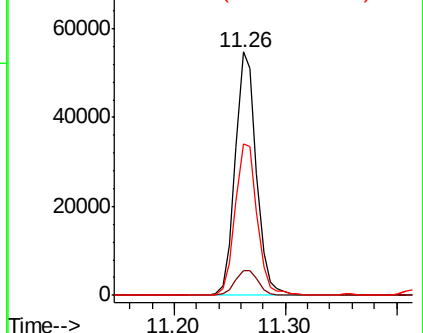
85 65.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.036 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010167.D

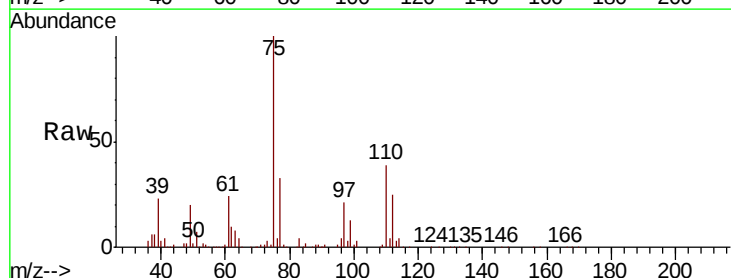
Acq: 10 Jun 2019 11:05

Tgt Ion: 75 Resp: 80503

Ion Ratio Lower Upper

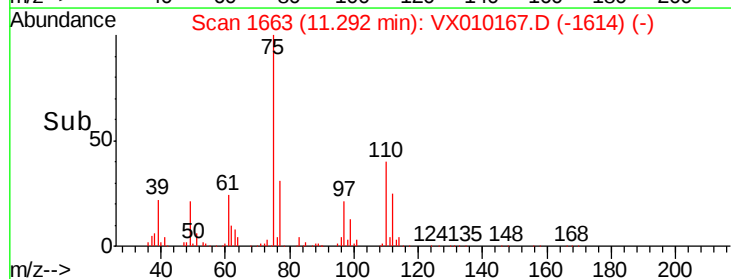
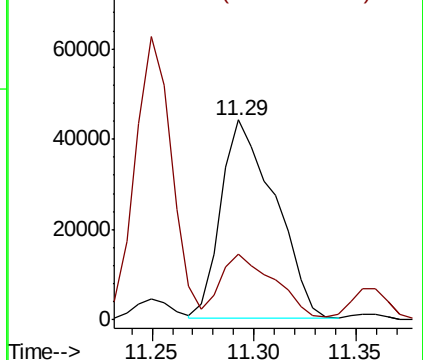
75 100

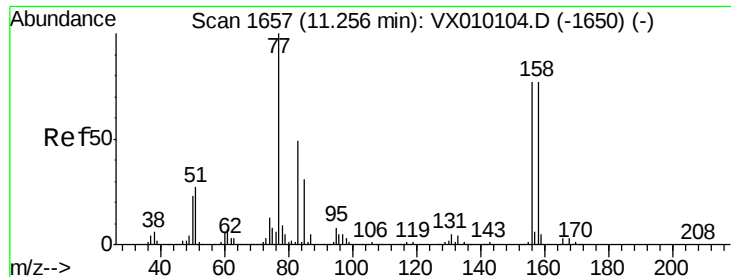
77 33.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 16.076 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

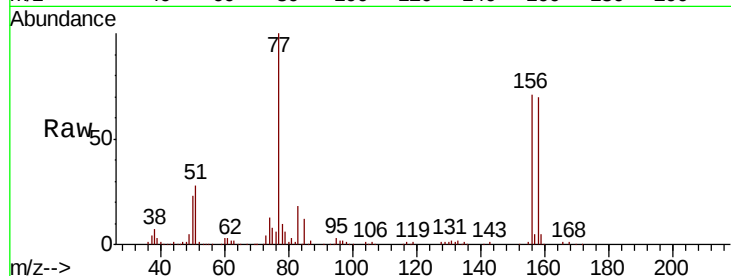
Tot Ion:156 Resp: 59044

Ion Ratio Lower Upper

156 100

77 133.0 86.8 260.3

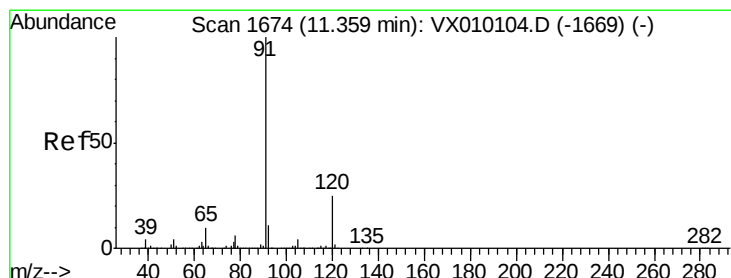
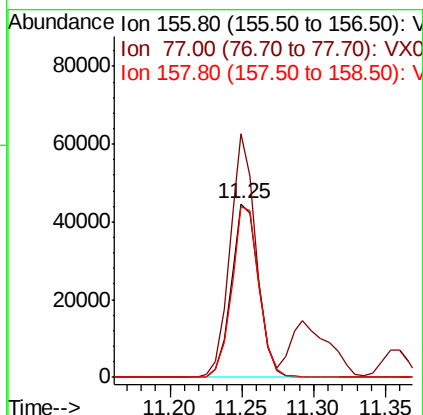
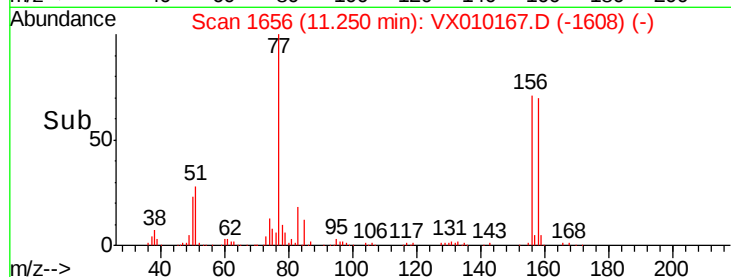
158 97.9 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.401 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VX010167.D

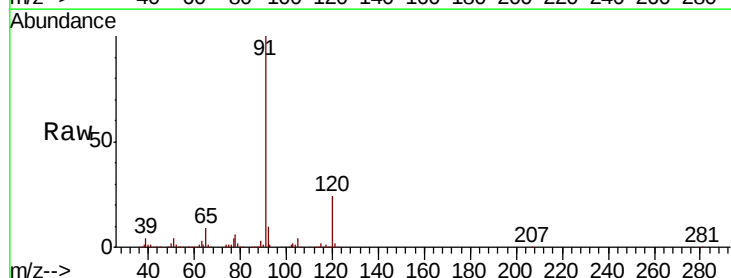
Acq: 10 Jun 2019 11:05

Tgt Ion: 91 Resp: 243867

Ion Ratio Lower Upper

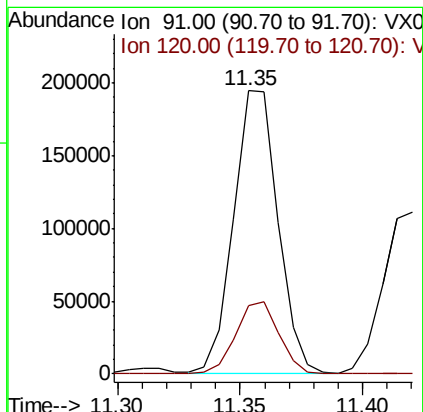
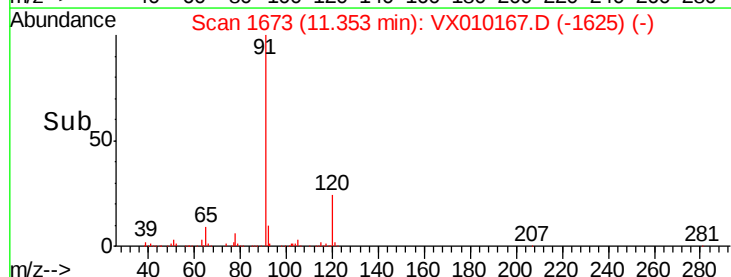
91 100

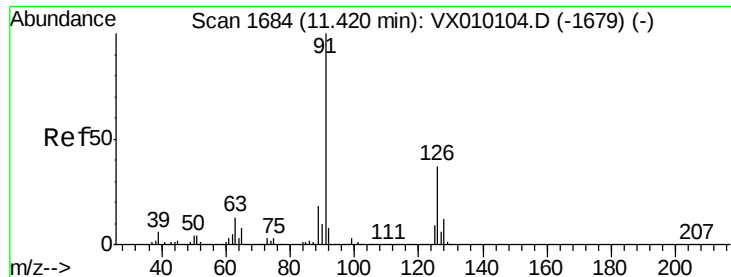
120 25.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 15.985 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

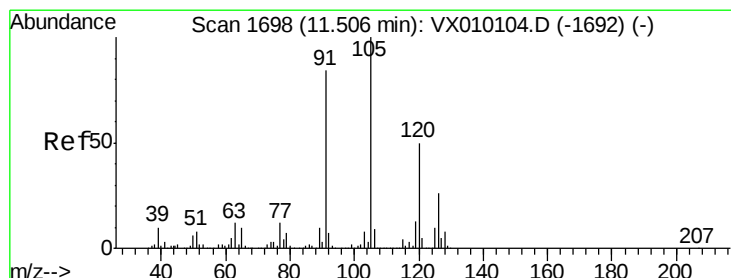
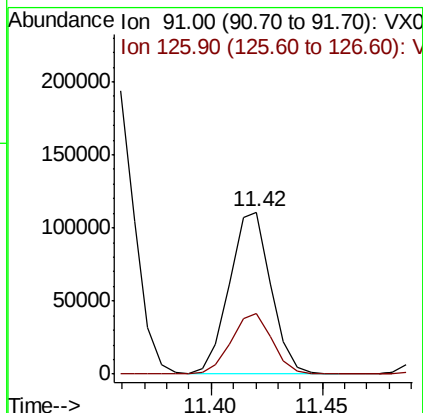
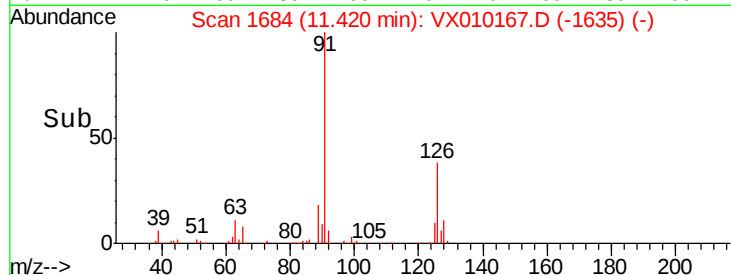
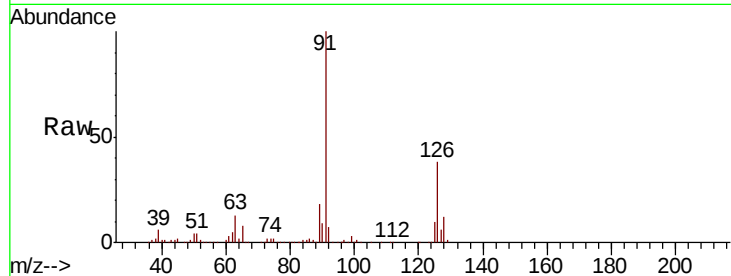
VX0610WBS01

Tot Ion: 91 Resp: 142755

Ion Ratio Lower Upper

91 100

126 37.4 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 16.340 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010167.D

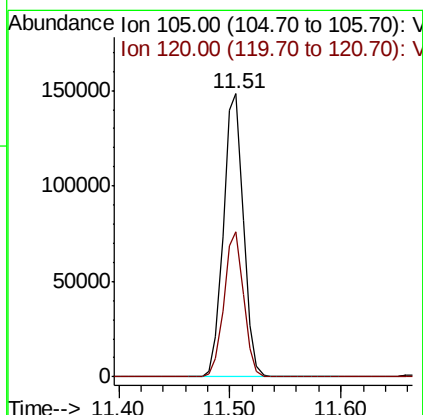
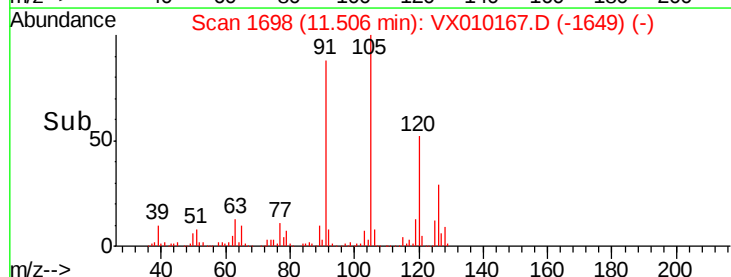
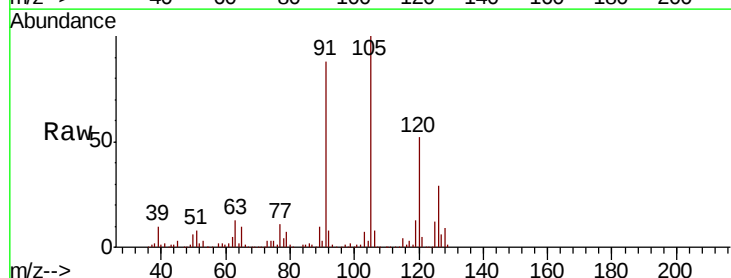
Acq: 10 Jun 2019 11:05

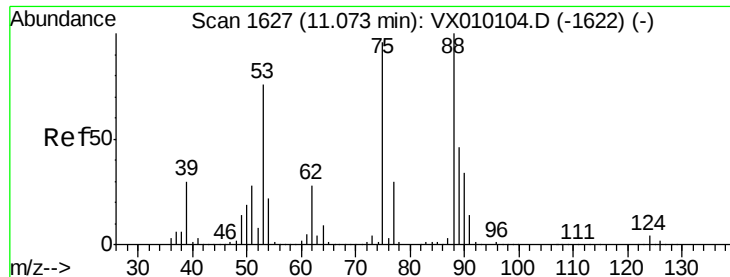
Tgt Ion:105 Resp: 183817

Ion Ratio Lower Upper

105 100

120 50.3 24.1 72.3

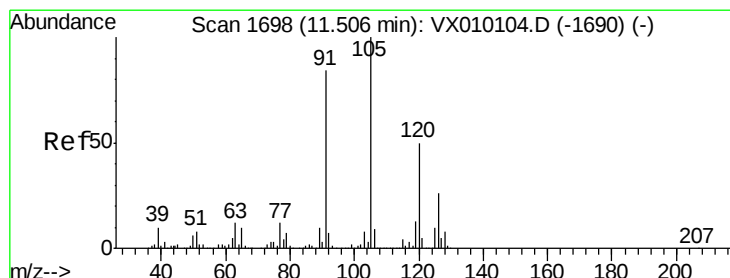
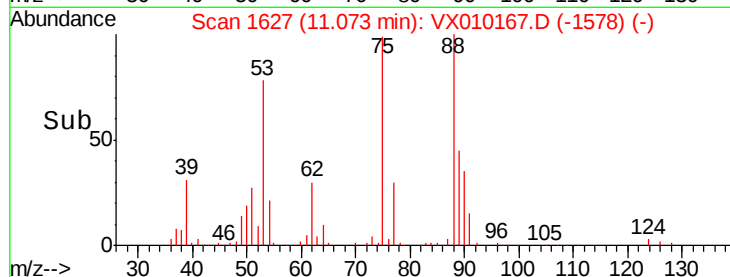
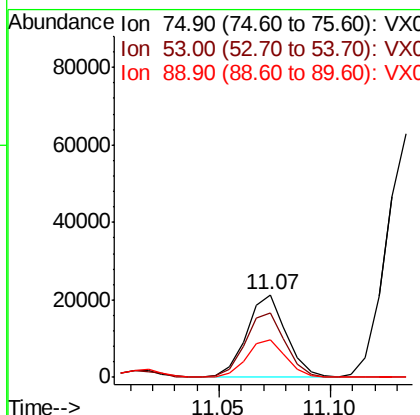
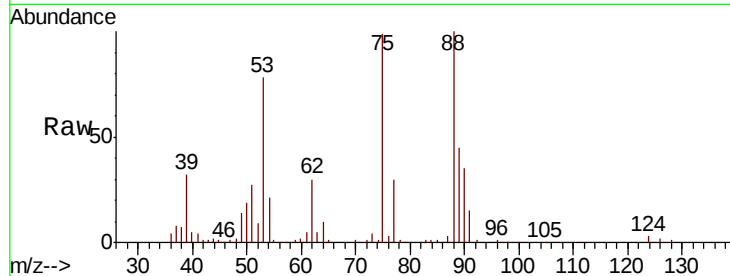




#81
trans-1,4-Dichloro-2-butene
Concen: 15.087 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

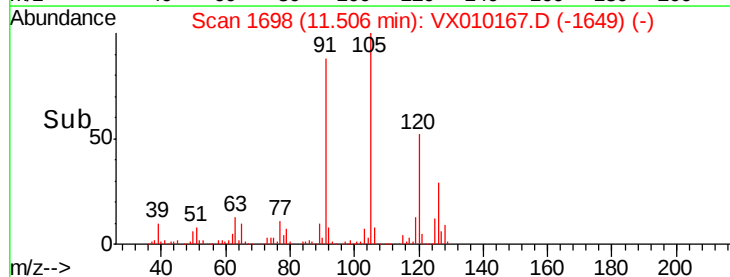
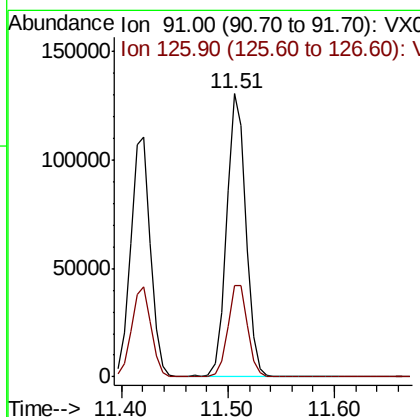
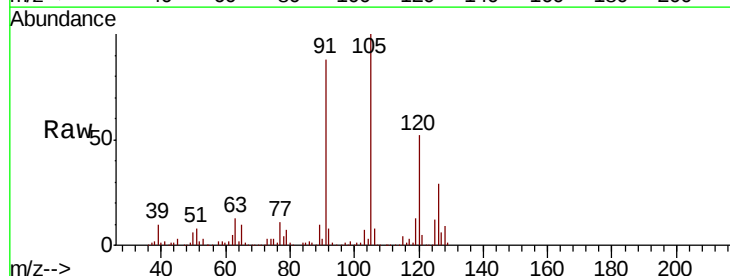
Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

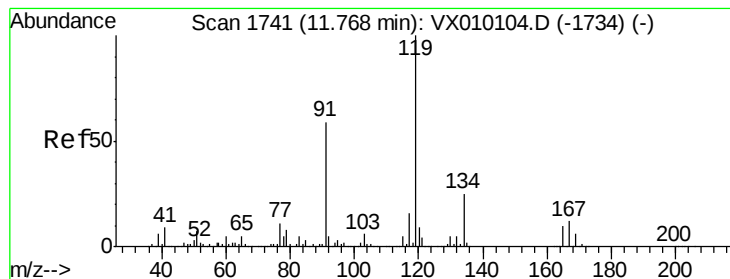
Tot Ion: 75 Resp: 26132
Ion Ratio Lower Upper
75 100
53 80.5 79.8 119.6
89 46.5 34.2 51.4



#82
4-Chlorotoluene
Concen: 16.296 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion: 91 Resp: 165315
Ion Ratio Lower Upper
91 100
126 33.3 14.2 42.6





#83

tert-Butylbenzene

Concen: 16.443 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

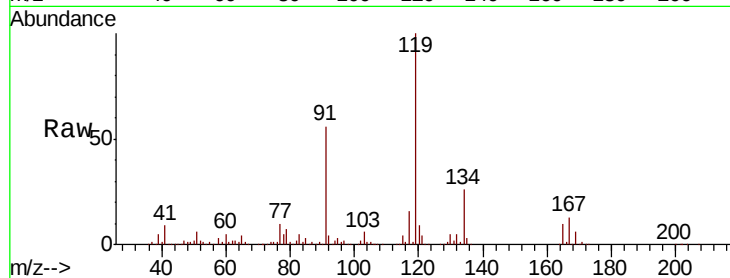
Tot Ion:119 Resp: 187214

Ion Ratio Lower Upper

119 100

91 53.0 30.0 90.0

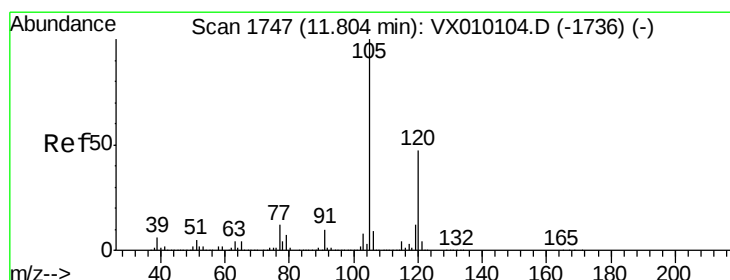
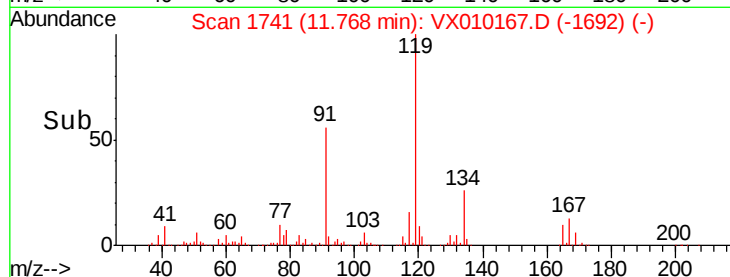
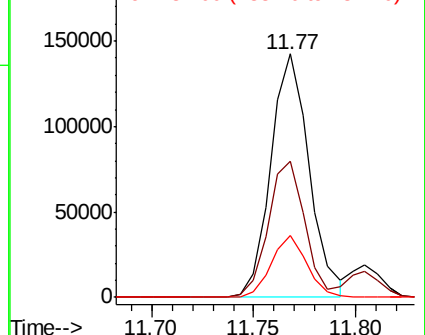
134 23.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.220 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010167.D

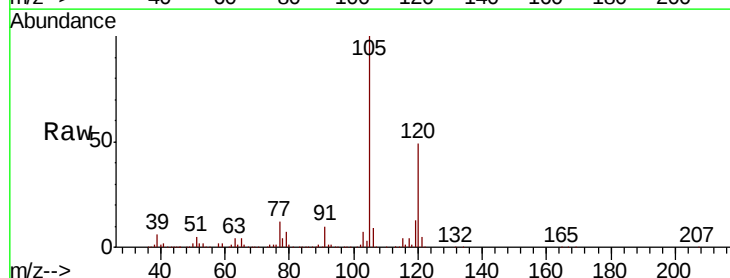
Acq: 10 Jun 2019 11:05

Tgt Ion:105 Resp: 184303

Ion Ratio Lower Upper

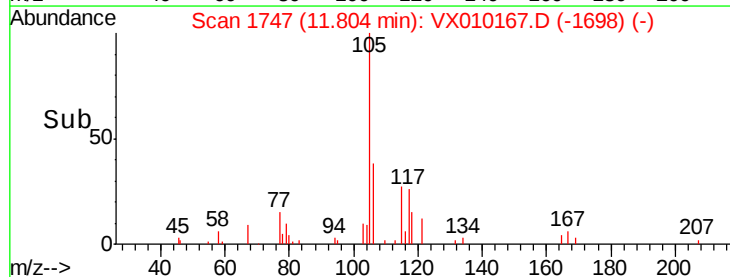
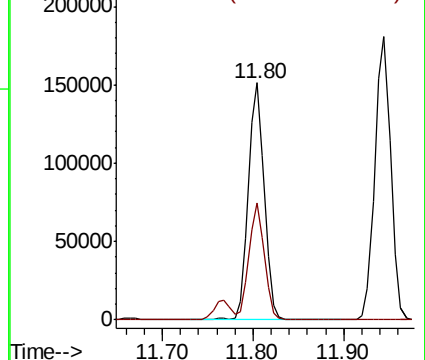
105 100

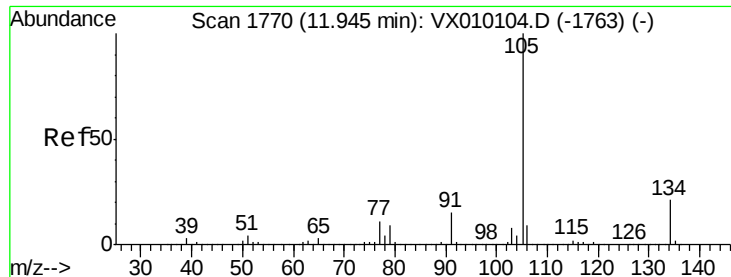
120 47.7 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.492 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

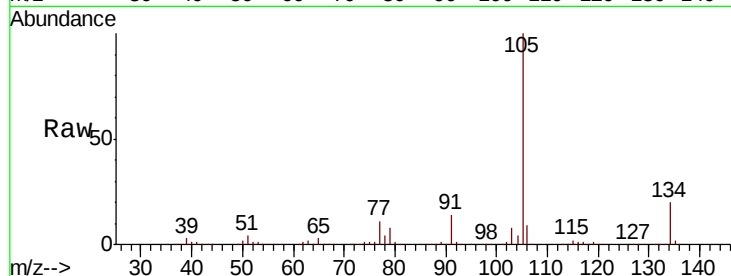
VX0610WBS01

Tot Ion:105 Resp: 218763

Ion Ratio Lower Upper

105 100

134 21.0 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

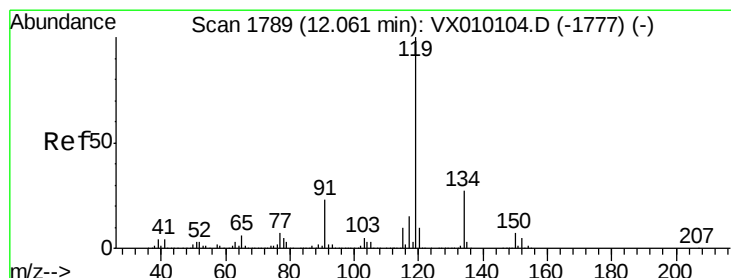
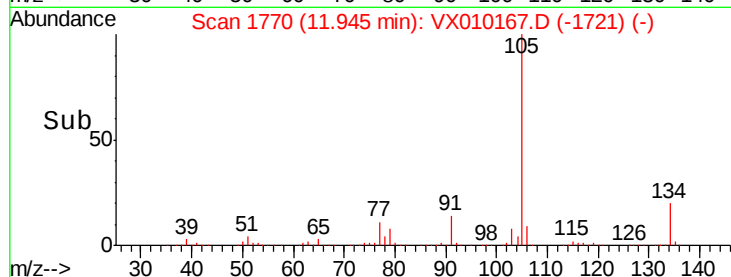
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 16.668 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

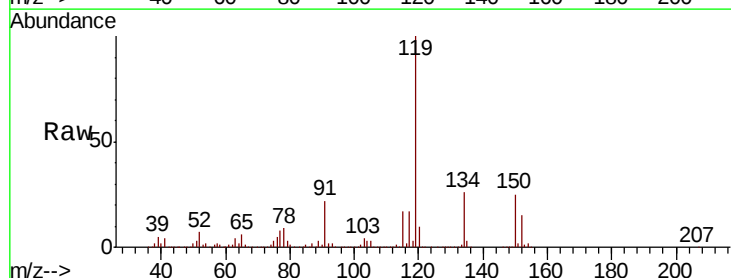
Tgt Ion:119 Resp: 202129

Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

91 22.4 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

200000

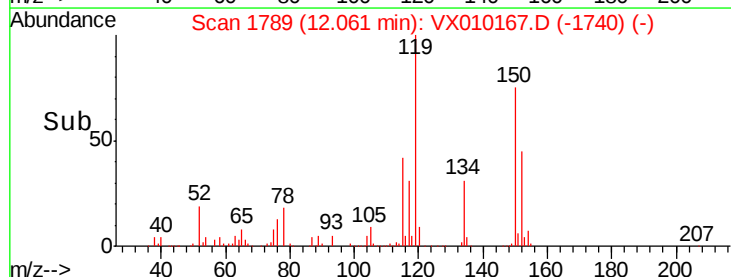
150000

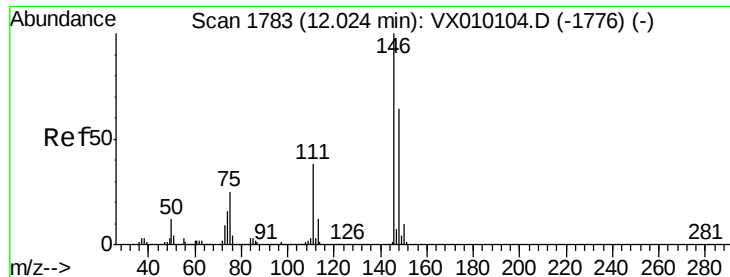
100000

50000

0

Time--> 12.00 12.10

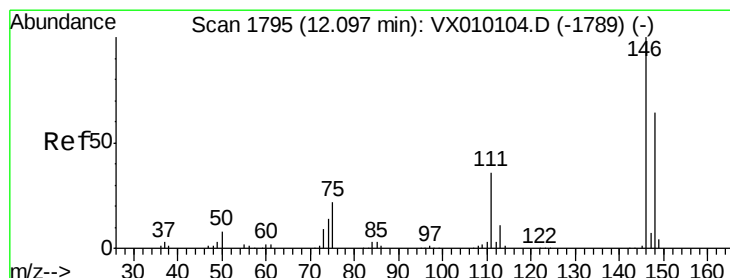
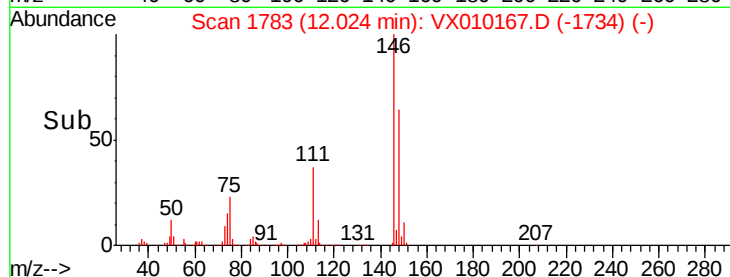
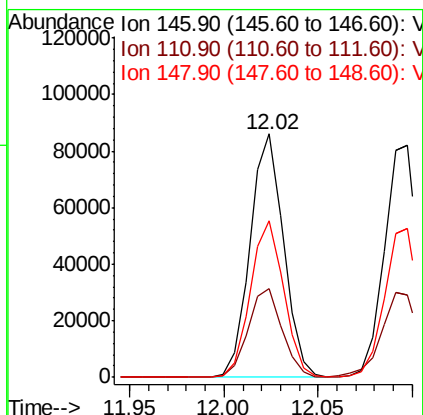
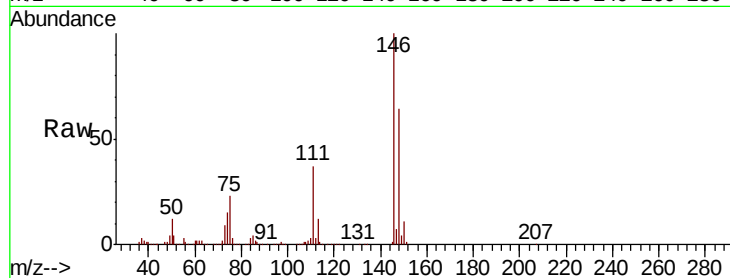




#87
 1,3-Dichlorobenzene
 Concen: 16.385 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

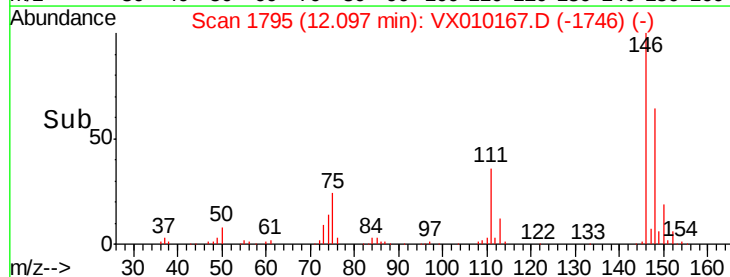
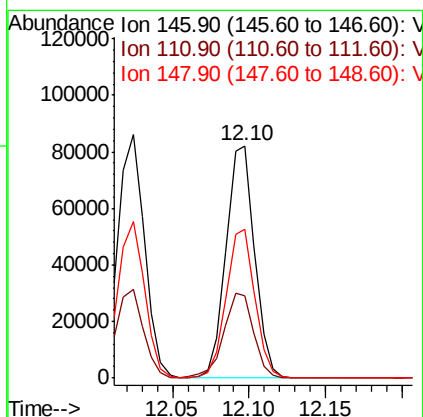
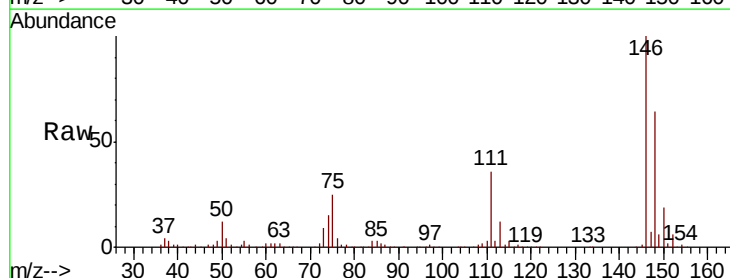
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

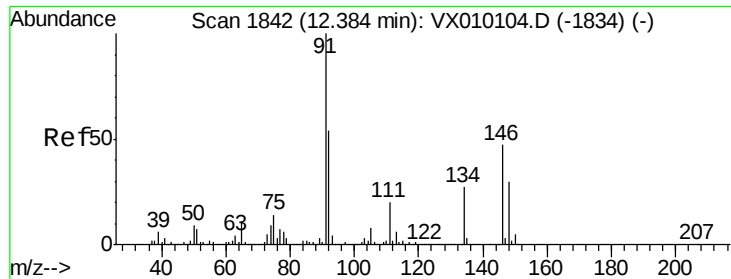
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.1	60.2
148	64.0	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 16.301 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	64.3	32.3	96.9

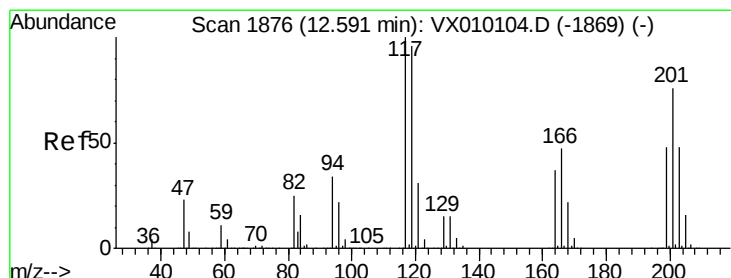
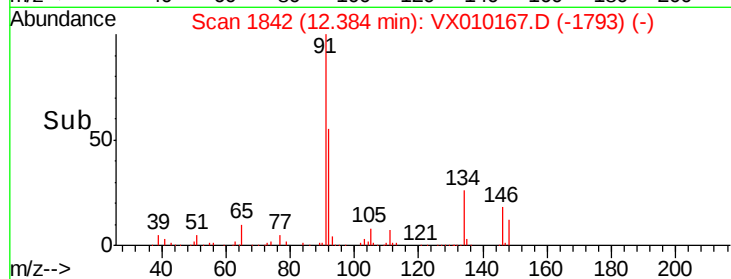
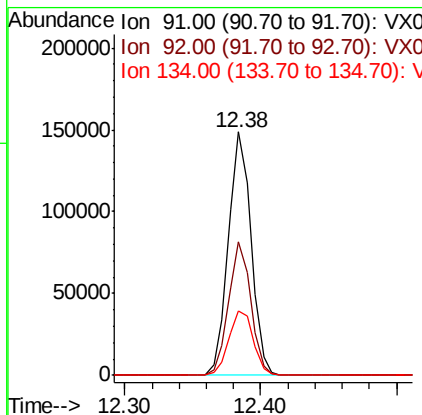
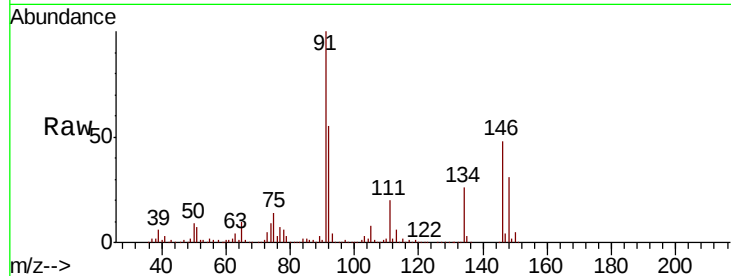




#89
n-Butylbenzene
Concen: 16.613 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

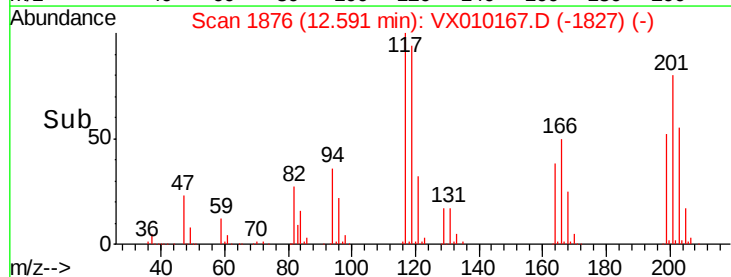
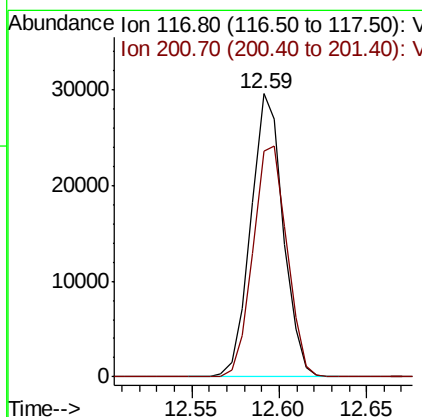
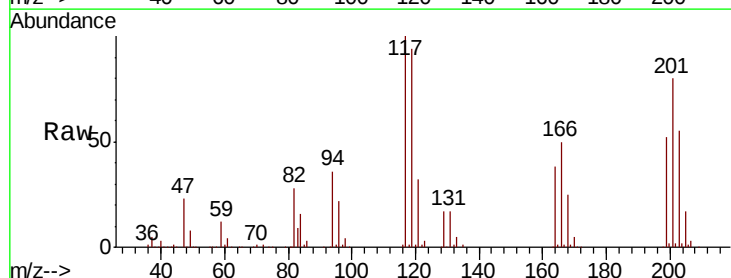
Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

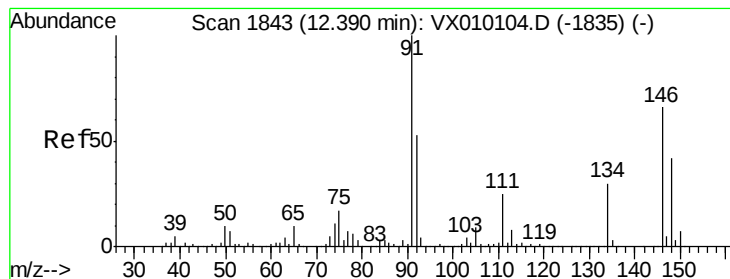
Tot Ion: 91 Resp: 173415
Ion Ratio Lower Upper
91 100
92 53.6 26.3 78.8
134 28.2 12.3 36.8



#90
Hexachloroethane
Concen: 15.706 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010167.D
Acq: 10 Jun 2019 11:05

Tgt Ion: 117 Resp: 37941
Ion Ratio Lower Upper
117 100
201 86.0 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 16.757 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

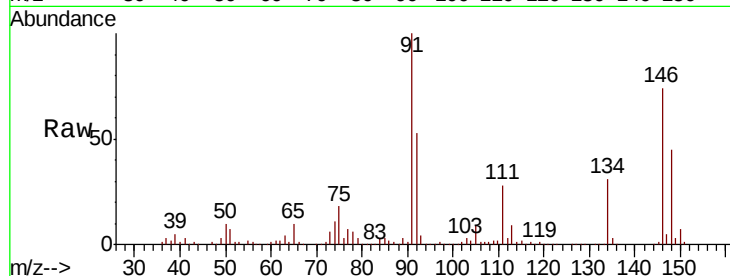
Tot Ion:146 Resp: 105395

Ion Ratio Lower Upper

146 100

111 38.8 21.1 63.1

148 63.8 32.3 96.8

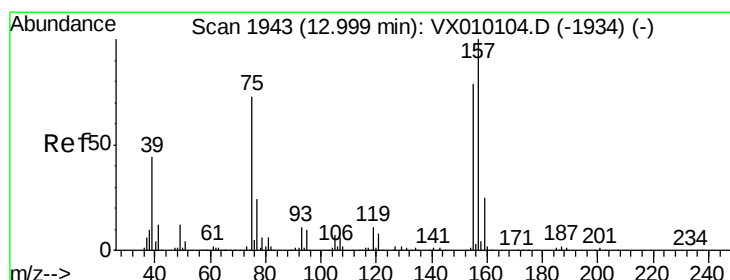
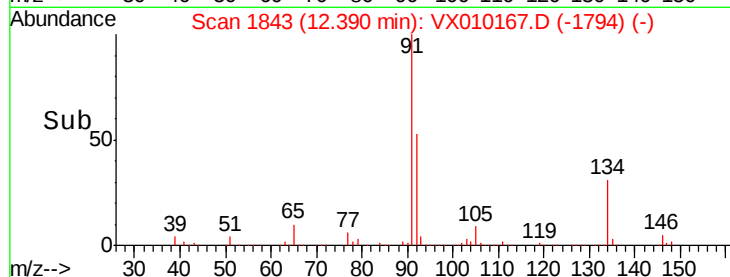
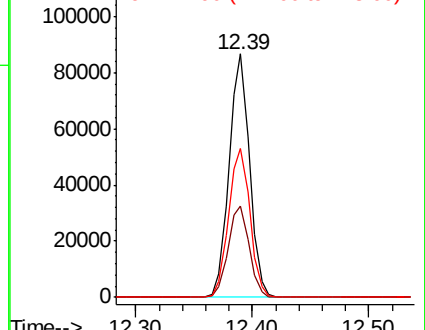


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.568 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

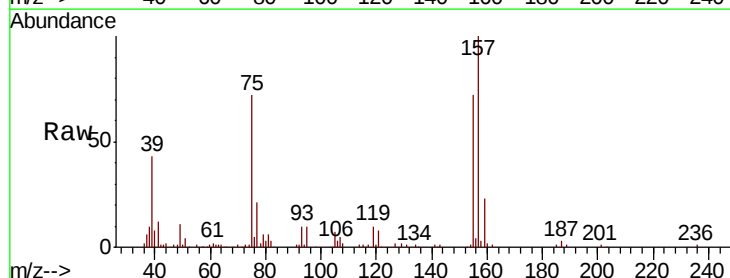
Tgt Ion: 75 Resp: 16749

Ion Ratio Lower Upper

75 100

155 104.7 39.3 117.8

157 135.7 50.6 151.8

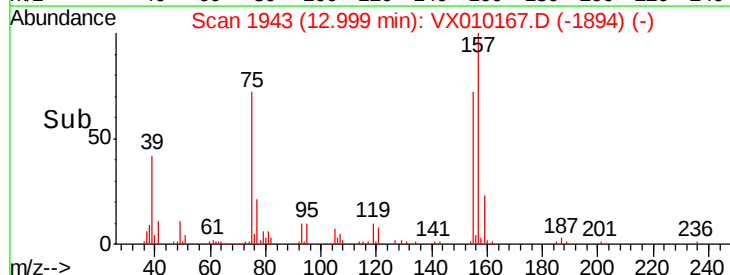
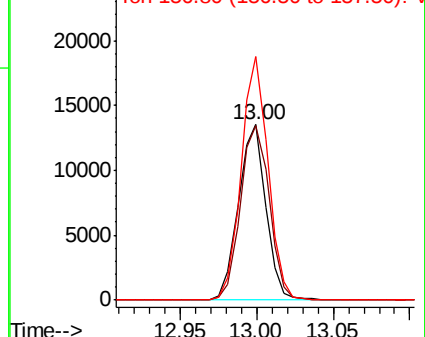


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

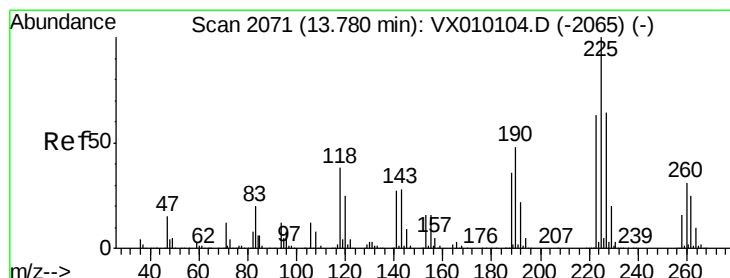
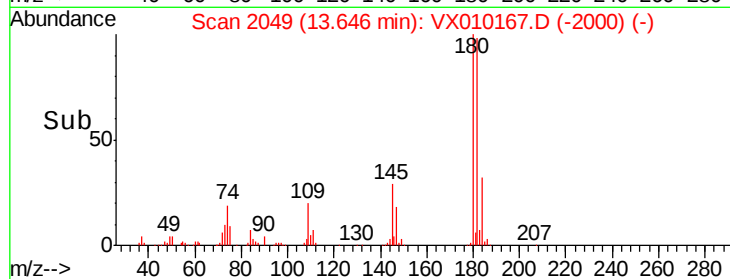
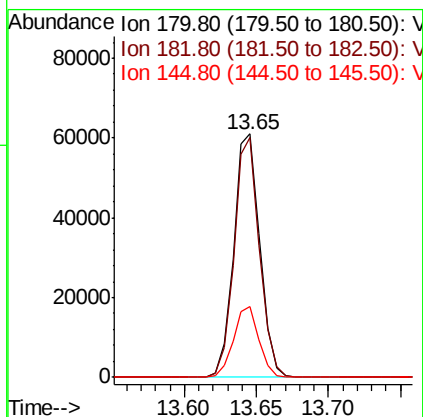
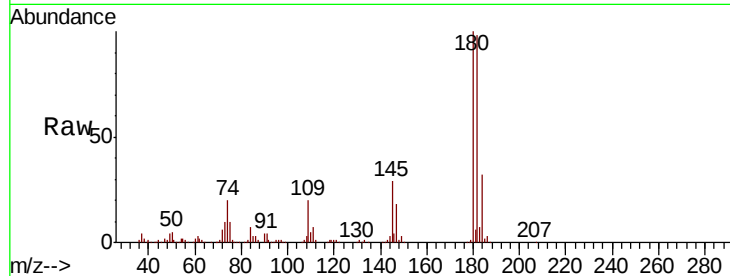




#93
 1,2,4-Trichlorobenzene
 Concen: 16.726 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

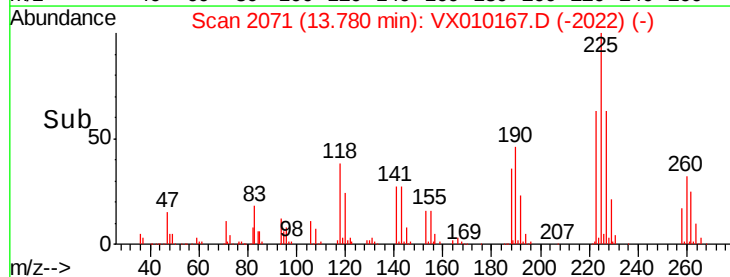
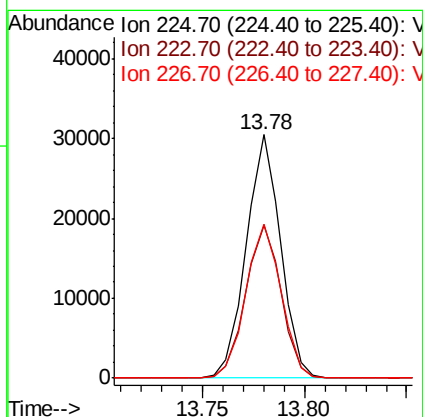
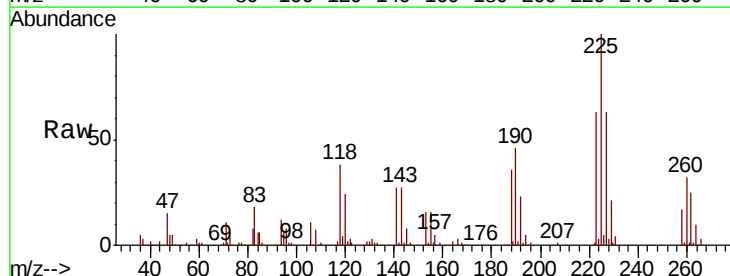
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

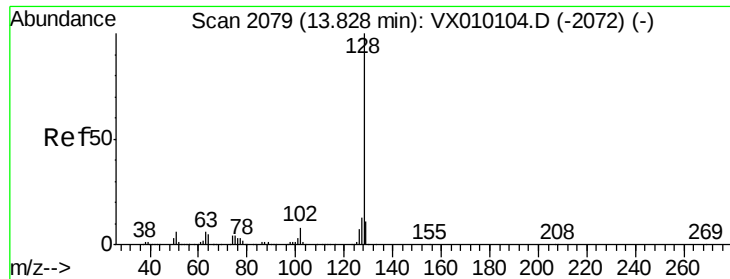
Tot Ion:180 Resp: 77004
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.4 142.2
 145 28.5 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 17.404 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010167.D
 Acq: 10 Jun 2019 11:05

Tgt Ion:225 Resp: 35634
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.3 93.8
 227 65.1 32.3 96.8





#95

Naphthalene

Concen: 16.122 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS01

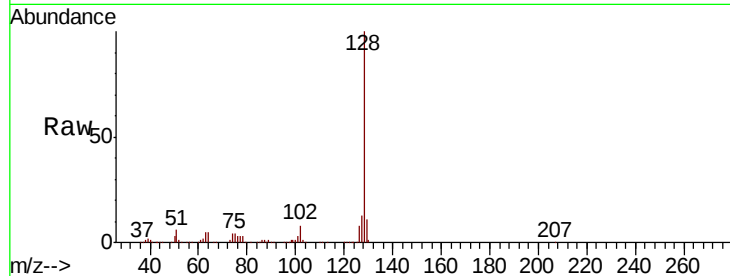
Tot Ion:128 Resp: 233646

Ion Ratio Lower Upper

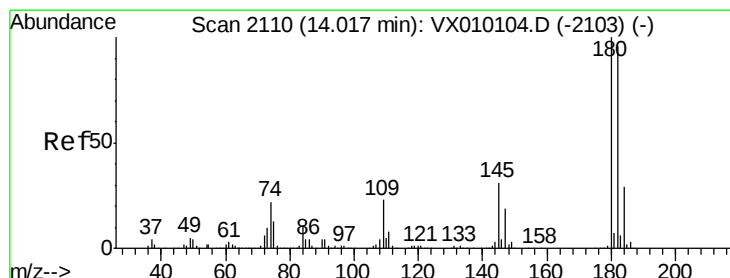
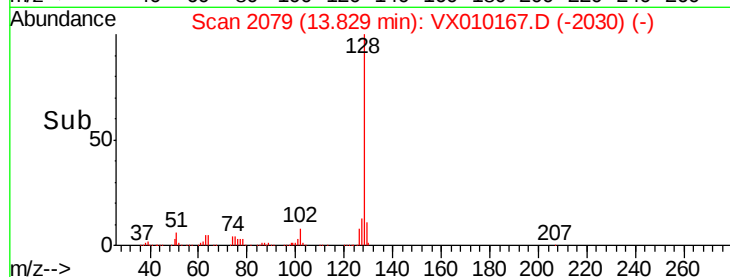
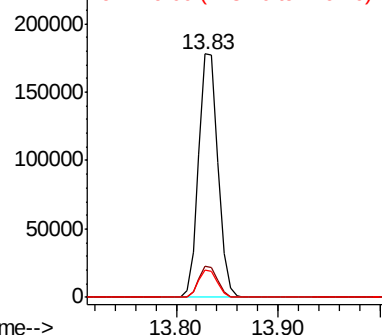
128 100

127 12.6 10.6 16.0

129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.875 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010167.D

Acq: 10 Jun 2019 11:05

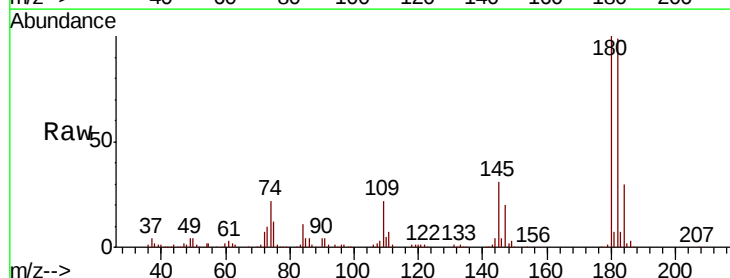
Tgt Ion:180 Resp: 76814

Ion Ratio Lower Upper

180 100

182 96.6 47.3 142.0

145 31.0 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

