

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010354.D
 Acq On : 20 Jun 2019 12:49
 Operator : JC/SP
 Sample : VX0620WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 01:20:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	335519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	479900	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	432864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	150282	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	5.49	113	149730	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	8.71	98	572507	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	201551	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	47482	20.356	ug/l	99
3) Chloromethane	1.32	50	53281	19.616	ug/l	99
4) Vinyl Chloride	1.40	62	56655	19.043	ug/l	97
5) Bromomethane	1.64	94	30854	21.288	ug/l	100
6) Chloroethane	1.72	64	34093	19.424	ug/l	100
7) Trichlorofluoromethane	1.93	101	94977	20.139	ug/l	99
8) Diethyl Ether	2.18	74	34055	20.136	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57938	20.272	ug/l	99
10) Methyl Iodide	2.51	142	76288	18.704	ug/l	99
11) Tert butyl alcohol	3.04	59	80683	98.016	ug/l	100
12) 1,1-Dichloroethene	2.37	96	57378	19.730	ug/l	98
13) Acrolein	2.29	56	45337	83.025	ug/l	99
14) Allyl chloride	2.73	41	82625	20.012	ug/l	99
15) Acrylonitrile	3.14	53	159458	97.841	ug/l	98
16) Acetone	2.44	43	152502	96.729	ug/l	98
17) Carbon Disulfide	2.57	76	151381	19.402	ug/l	100
18) Methyl Acetate	2.77	43	59859	19.050	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	182874	19.989	ug/l	99
20) Methylene Chloride	2.85	84	64580	19.904	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	62303	19.919	ug/l	99
22) Diisopropyl ether	3.85	45	170996	19.809	ug/l	91
23) Vinyl Acetate	3.81	43	752998	100.972	ug/l	99
24) 1,1-Dichloroethane	3.70	63	98676	19.775	ug/l	98
25) 2-Butanone	4.67	43	223951	96.837	ug/l	97
26) 2,2-Dichloropropane	4.58	77	88685	20.460	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	71091	19.669	ug/l	99
28) Bromochloromethane	5.01	49	38273	16.042	ug/l	100
29) Tetrahydrofuran	5.12	42	136359	95.191	ug/l	99
30) Chloroform	5.21	83	105761	19.699	ug/l	99
31) Cyclohexane	5.57	56	92607	20.380	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	95778	20.204	ug/l	99
36) 1,1-Dichloropropene	5.80	75	77999	20.453	ug/l	100
37) Ethyl Acetate	4.82	43	80196	20.441	ug/l	100
38) Carbon Tetrachloride	5.78	117	87524	21.194	ug/l	98

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 01:20:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107755	21.496	ug/l	98
40) Benzene	6.13	78	248832	20.944	ug/l	100
41) Methacrylonitrile	5.04	41	42607	19.793	ug/l	99
42) 1,2-Dichloroethane	6.19	62	76317	21.102	ug/l	99
43) Isopropyl Acetate	6.44	43	132826	20.463	ug/l	99
44) Trichloroethene	7.21	130	75574	21.258	ug/l	95
45) 1,2-Dichloropropane	7.51	63	62481	20.825	ug/l	98
46) Dibromomethane	7.66	93	43869	20.379	ug/l	100
47) Bromodichloromethane	7.90	83	81965	20.777	ug/l	99
48) Methyl methacrylate	7.76	41	61399	20.351	ug/l	98
49) 1,4-Dioxane	7.73	88	37159	427.538	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	423700	102.064	ug/l	100
52) Toluene	8.78	92	164403	21.012	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	92052	20.813	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	99911	20.787	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	65569	20.320	ug/l	98
56) Ethyl methacrylate	9.18	69	99946	20.446	ug/l	99
57) 1,3-Dichloropropane	9.37	76	101845	20.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	246201	106.051	ug/l	99
59) 2-Hexanone	9.49	43	326066	99.798	ug/l	100
60) Dibromochloromethane	9.58	129	73245	20.273	ug/l	100
61) 1,2-Dibromoethane	9.67	107	70458	20.229	ug/l	99
64) Tetrachloroethene	9.34	164	74414	21.254	ug/l	94
65) Chlorobenzene	10.13	112	182122	20.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	66596	20.805	ug/l	98
67) Ethyl Benzene	10.25	91	308273	20.779	ug/l	99
68) m/p-Xylenes	10.35	106	243050	42.280	ug/l	98
69) o-Xylene	10.69	106	117829	20.843	ug/l	97
70) Styrene	10.71	104	198630	20.951	ug/l	100
71) Bromoform	10.85	173	58697	21.086	ug/l #	100
73) Isopropylbenzene	11.02	105	315711	20.834	ug/l	99
74) N-amyl acetate	10.90	43	116000	20.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	100932	20.112	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	112616	27.646	ug/l	80
77) Bromobenzene	11.25	156	85028	20.095	ug/l	99
78) n-propylbenzene	11.36	91	350107	21.022	ug/l	100
79) 2-Chlorotoluene	11.42	91	200701	20.238	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	260414	20.846	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34587	19.808	ug/l	99
82) 4-Chlorotoluene	11.51	91	234145	20.749	ug/l	98
83) tert-Butylbenzene	11.77	119	261850	20.884	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	263964	21.032	ug/l	98
85) sec-Butylbenzene	11.94	105	312125	21.202	ug/l	100
86) p-Isopropyltoluene	12.06	119	292457	21.477	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	154440	20.910	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	152937	20.339	ug/l	100
89) n-Butylbenzene	12.38	91	248081	21.440	ug/l	100
90) Hexachloroethane	12.59	117	48466	20.584	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	150755	20.537	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20657	19.092	ug/l	99

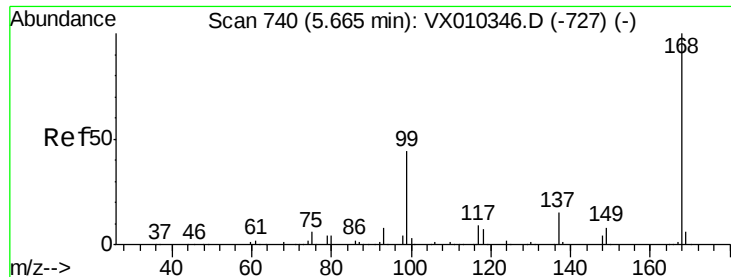
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	110118	21.631	ug/l	99
94) Hexachlorobutadiene	13.78	225	54024	21.714	ug/l	99
95) Naphthalene	13.83	128	327385	20.927	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108033	21.344	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

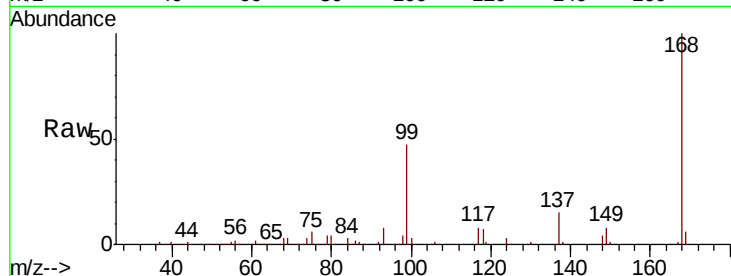
ClientSampleId :

Tot Ion:168 Resp: 335519

Ion Ratio Lower Upper

168 100

99 46.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

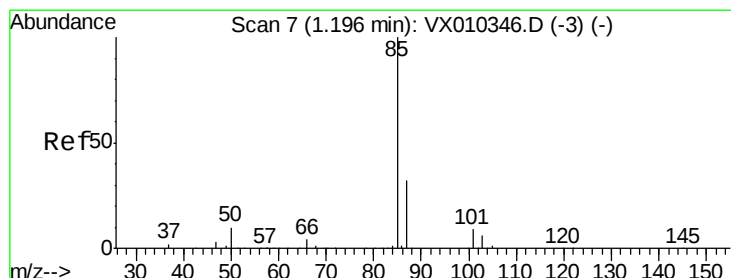
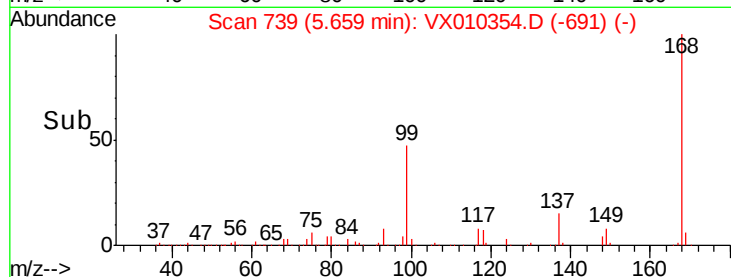
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.356 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010354.D

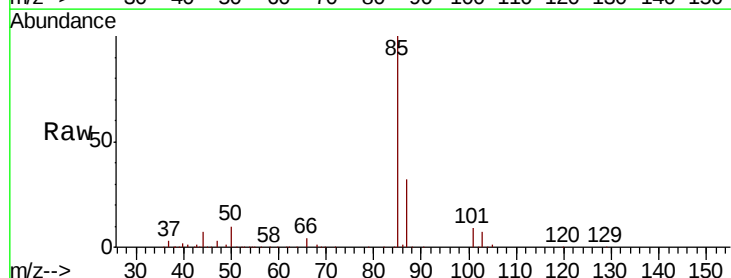
Acq: 20 Jun 2019 12:49

Tgt Ion: 85 Resp: 47482

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

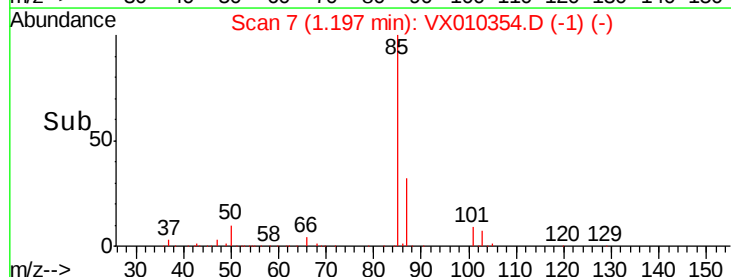
30000

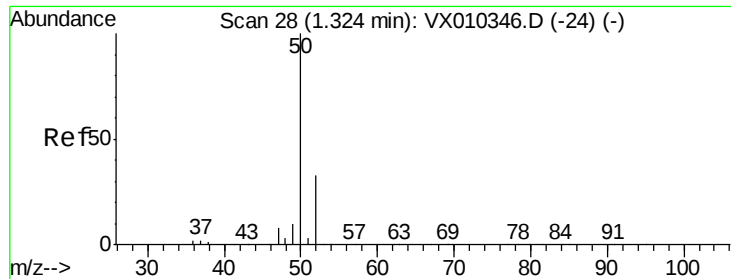
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.616 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

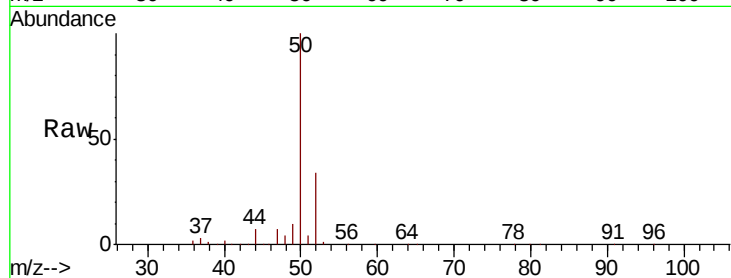
ClientSampled :

Tot Ion: 50 Resp: 53281

Ion Ratio Lower Upper

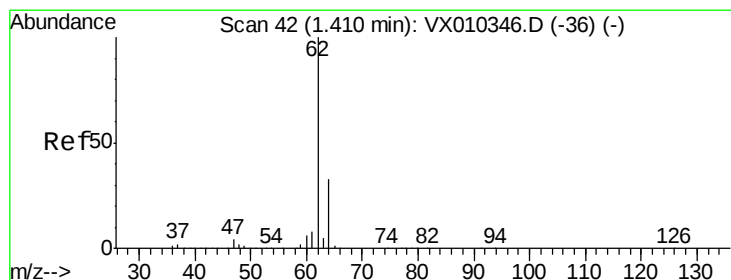
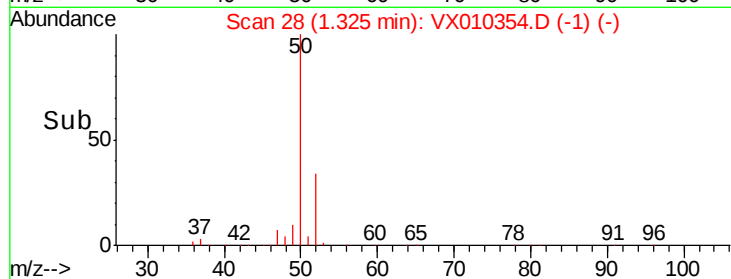
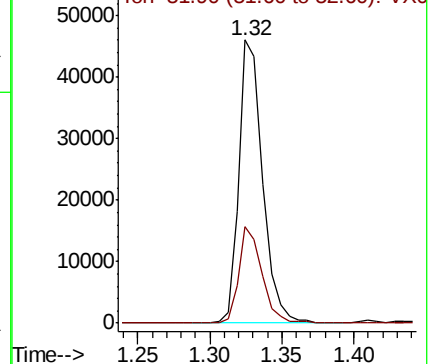
50 100

52 33.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.043 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010354.D

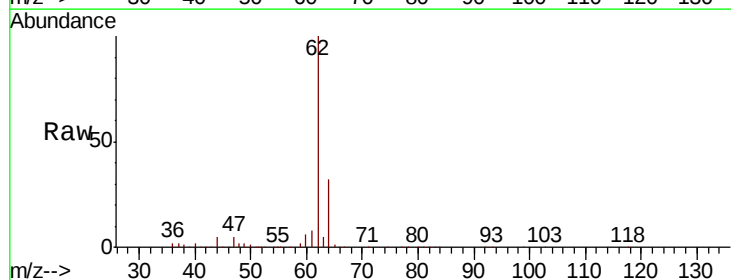
Acq: 20 Jun 2019 12:49

Tgt Ion: 62 Resp: 56655

Ion Ratio Lower Upper

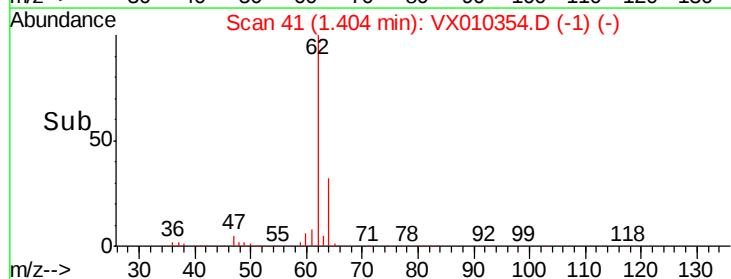
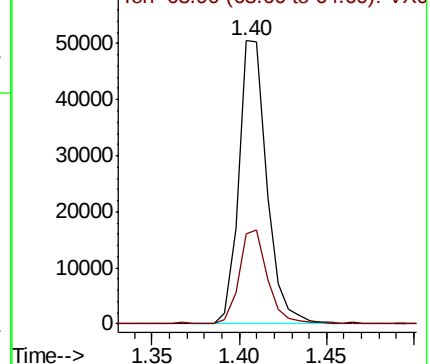
62 100

64 31.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.288 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

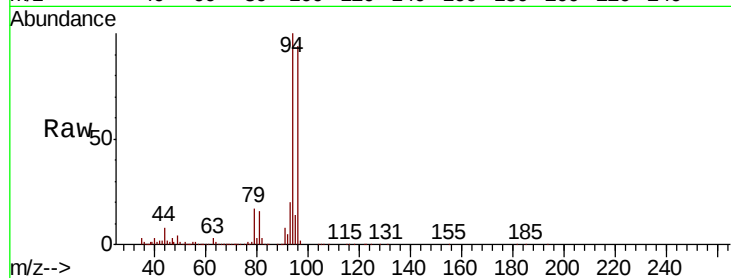
ClientSampleId :

Tot Ion: 94 Resp: 30854

Ion Ratio Lower Upper

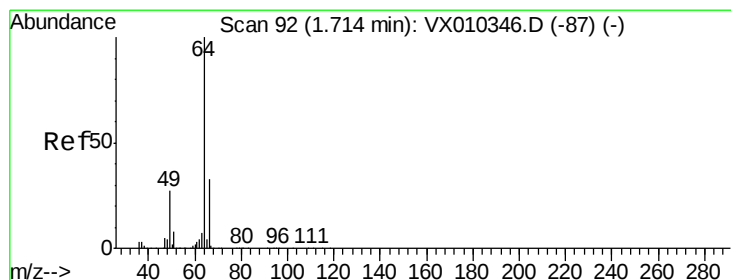
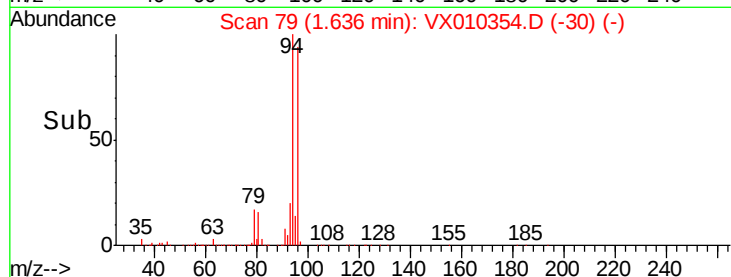
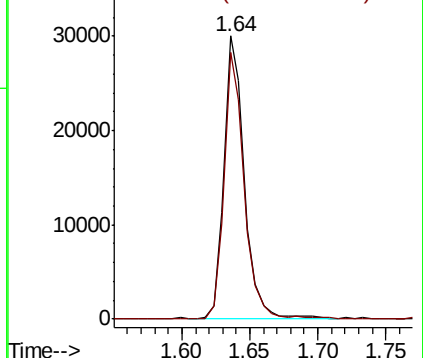
94 100

96 94.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.424 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010354.D

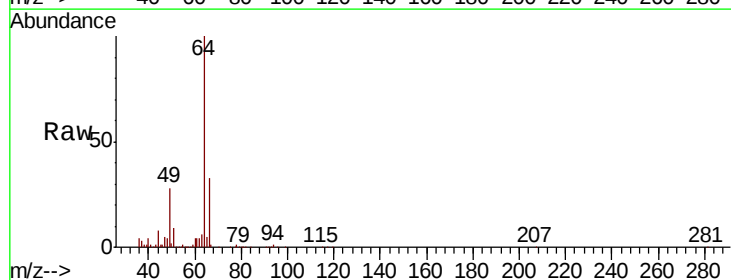
Acq: 20 Jun 2019 12:49

Tgt Ion: 64 Resp: 34093

Ion Ratio Lower Upper

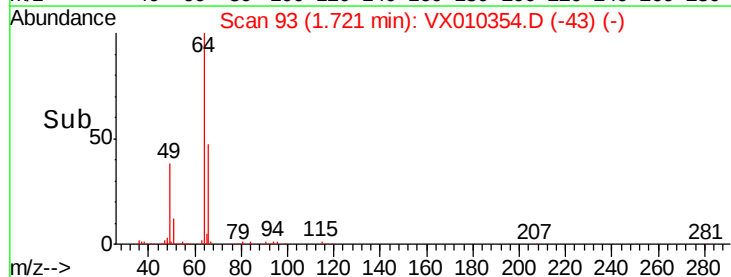
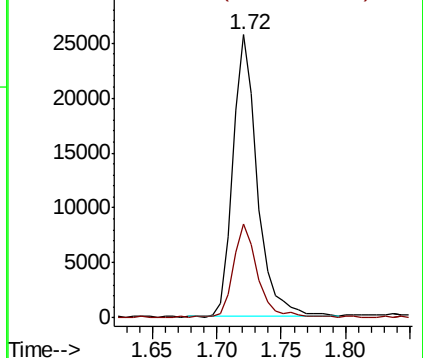
64 100

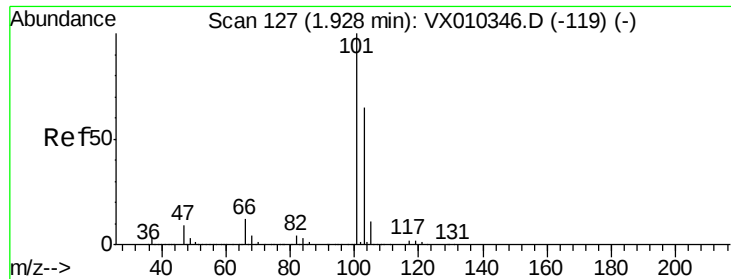
66 33.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



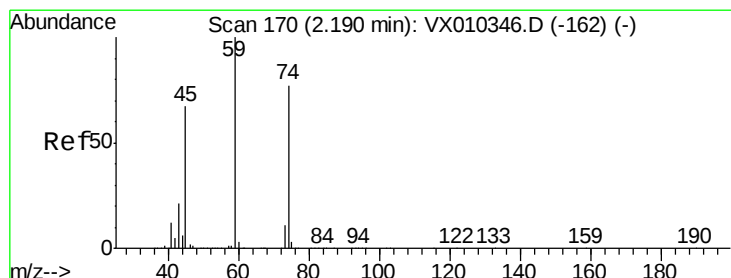
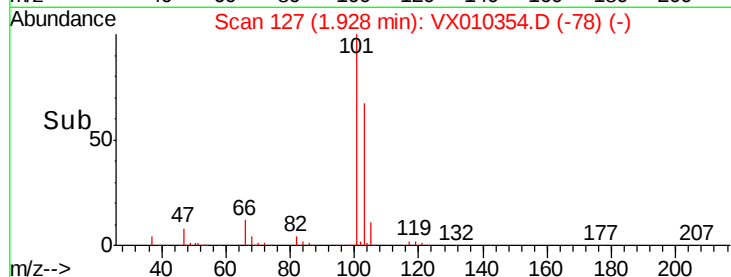
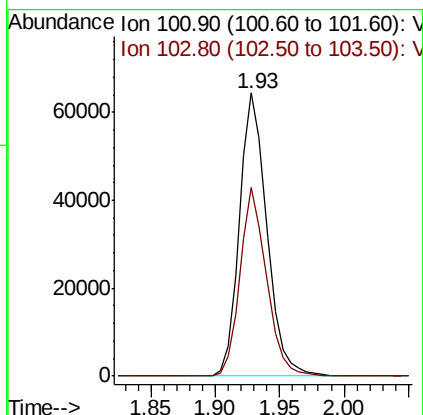
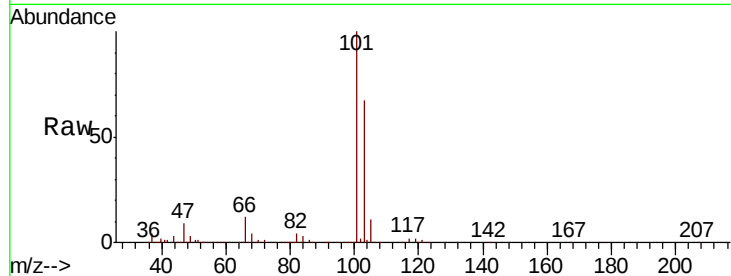


#7

Trichlorofluoromethane
 Concen: 20.139 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :

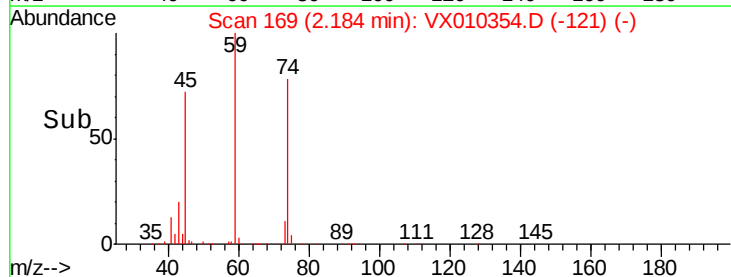
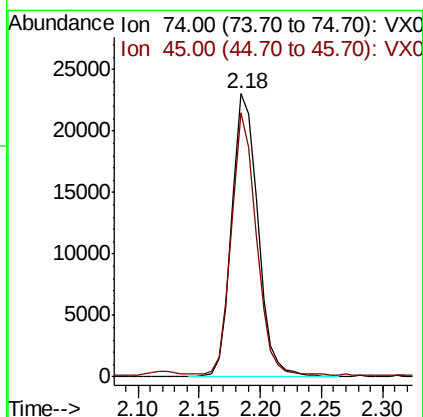
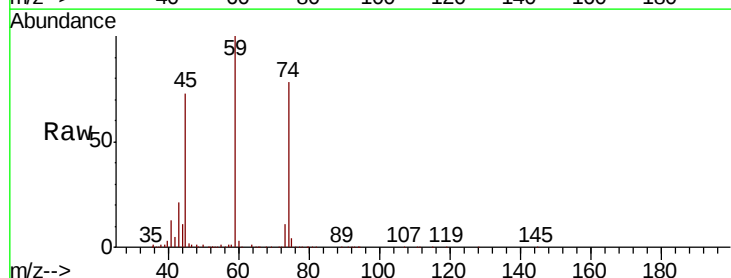
Tot Ion:101 Resp: 94977
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.3 78.5



#8

Diethyl Ether
 Concen: 20.136 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Tgt Ion: 74 Resp: 34055
 Ion Ratio Lower Upper
 74 100
 45 88.4 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.272 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

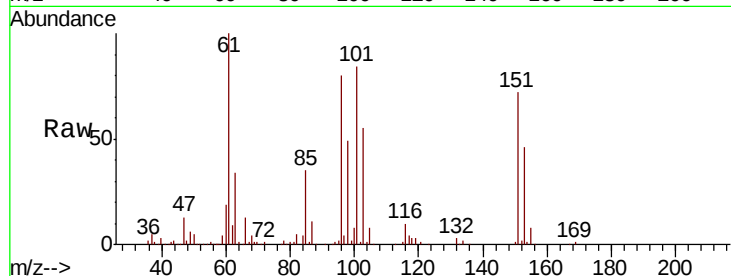
Tot Ion:101 Resp: 57938

Ion Ratio Lower Upper

101 100

85 43.1 33.7 50.5

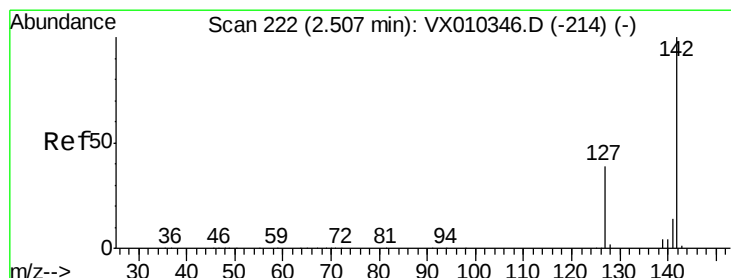
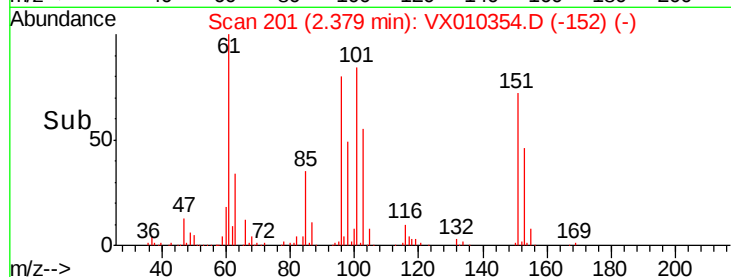
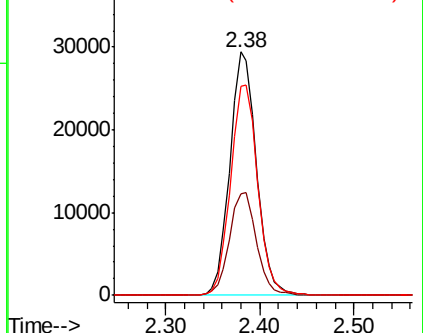
151 88.4 70.1 105.1



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: 18.704 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

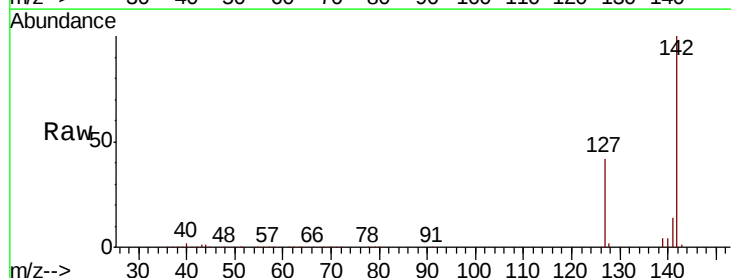
Tgt Ion:142 Resp: 76288

Ion Ratio Lower Upper

142 100

127 39.9 31.1 46.7

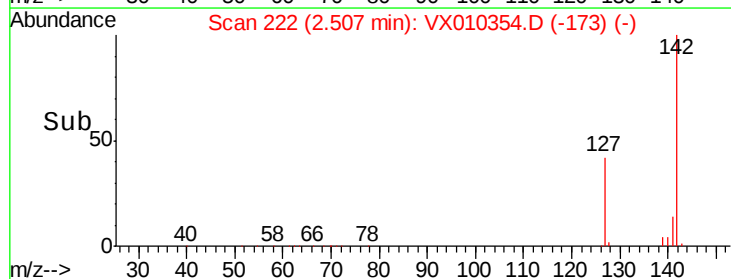
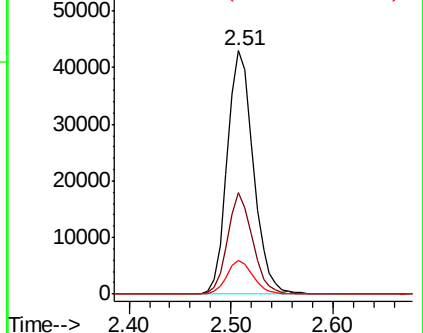
141 14.0 11.2 16.8

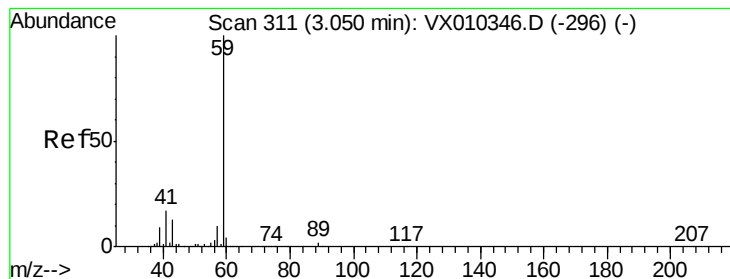


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



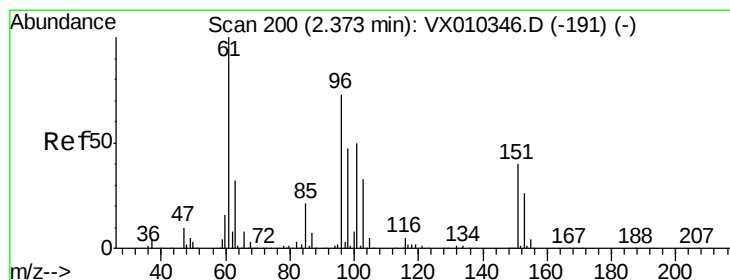
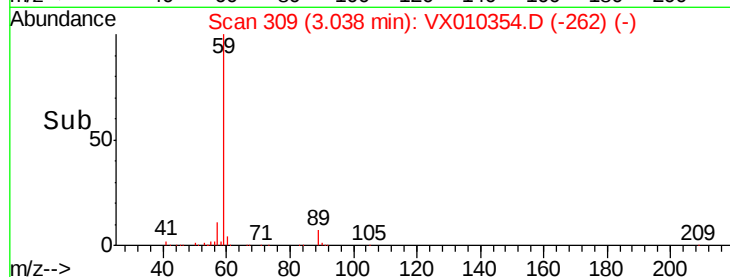
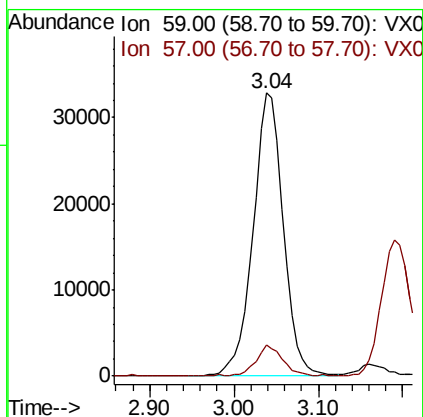
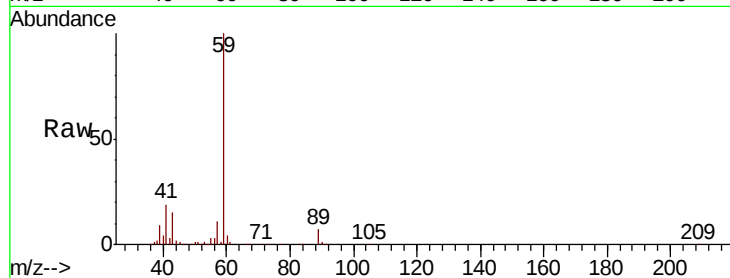


#11

Tert butyl alcohol
Concen: 98.016 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :

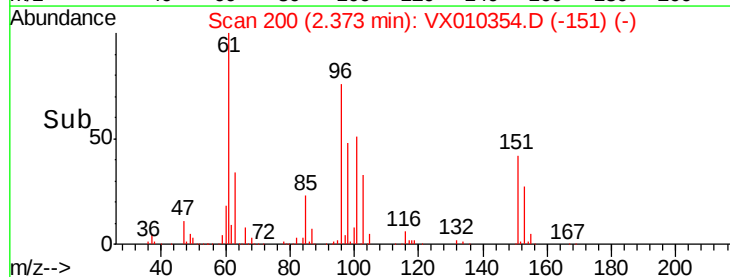
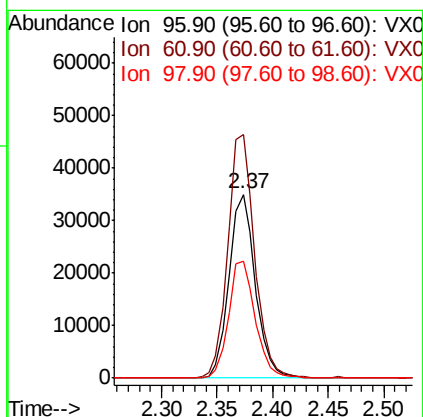
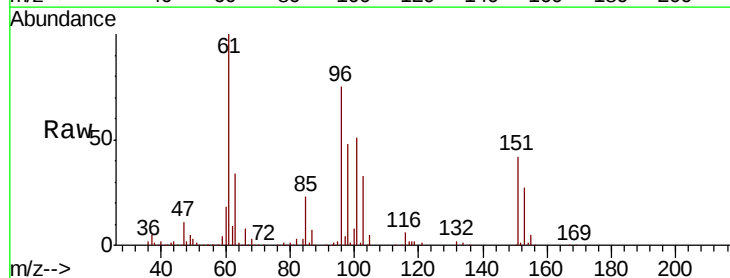
Tot Ion: 59 Resp: 80683
Ion Ratio Lower Upper
59 100
57 9.7 7.7 11.5



#12

1,1-Dichloroethene
Concen: 19.730 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 96 Resp: 57378
Ion Ratio Lower Upper
96 100
61 132.5 109.2 163.8
98 63.6 51.1 76.7





#13

Acrolein

Concen: 83.025 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

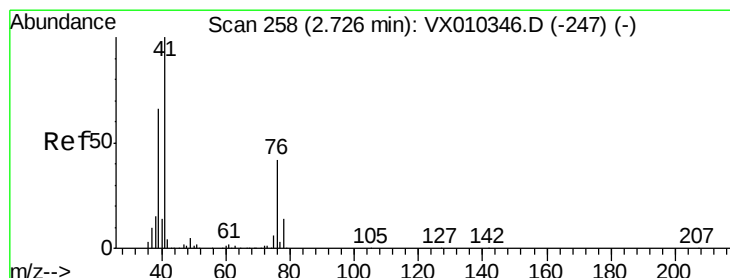
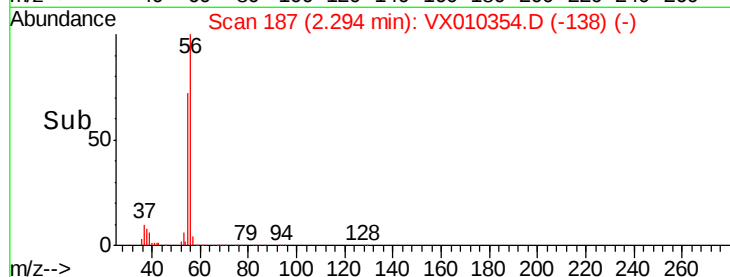
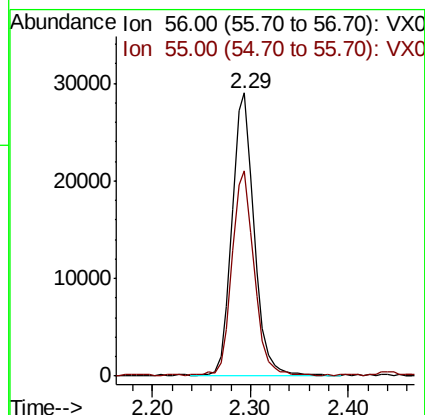
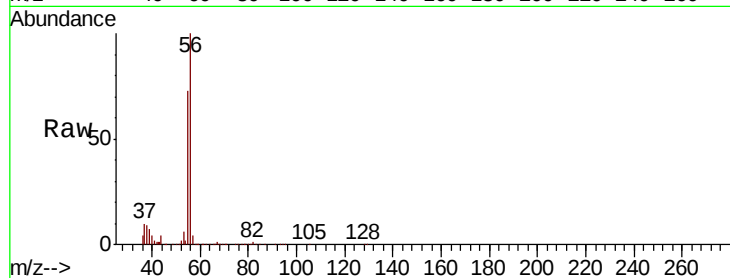
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 45337

Ion Ratio Lower Upper

56 100

55 72.0 56.9 85.3



#14

Allyl chloride

Concen: 20.012 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

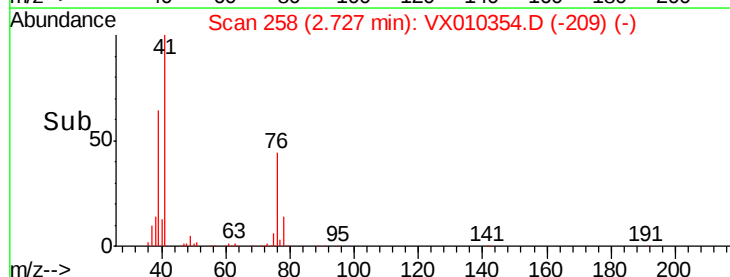
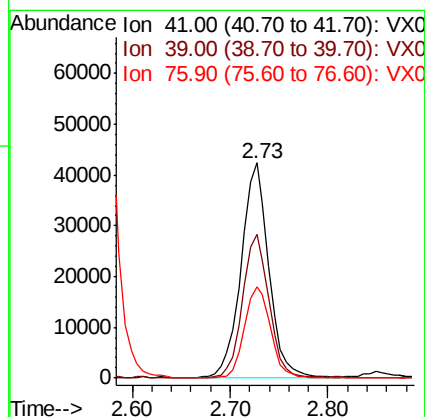
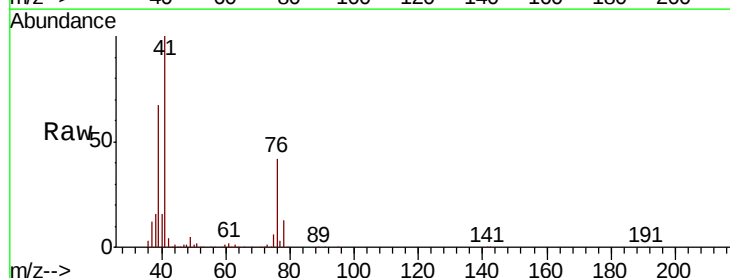
Tgt Ion: 41 Resp: 82625

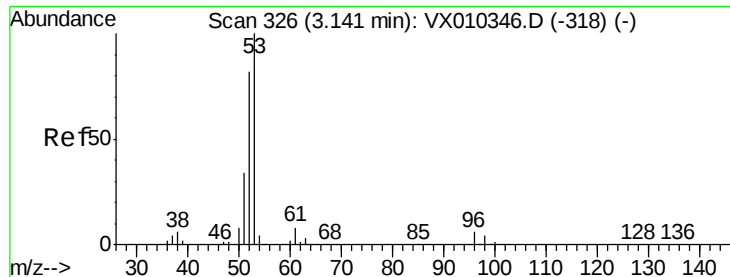
Ion Ratio Lower Upper

41 100

39 63.6 50.3 75.5

76 40.2 31.3 46.9





#15

Acrylonitrile

Concen: 97.841 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

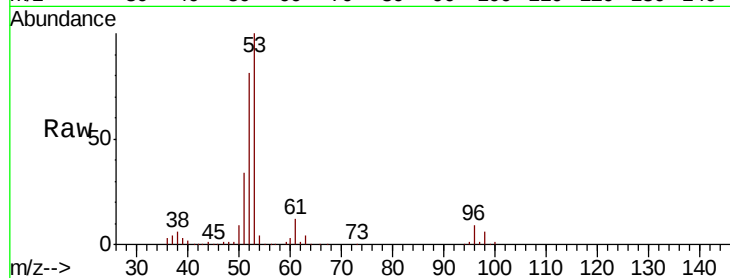
Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 53 Resp: 159458

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.5	98.3
51	34.0	28.2	42.4

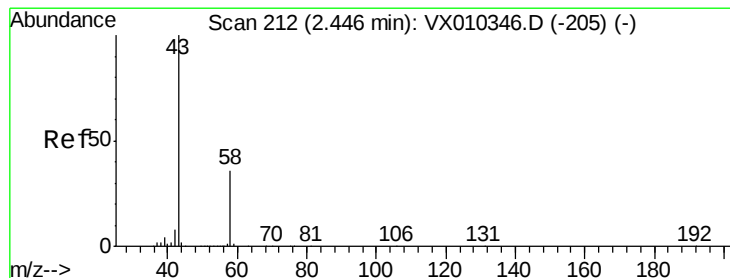
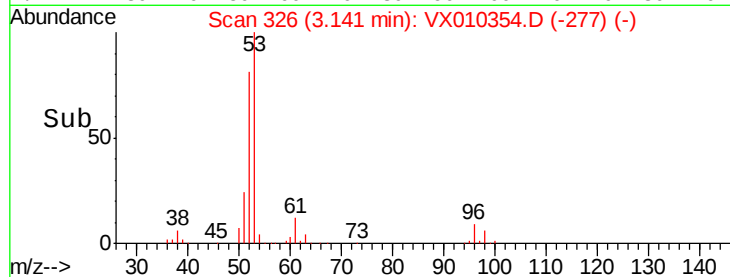


Abundance

Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 96.729 ug/l

RT: 2.44 min Scan# 211

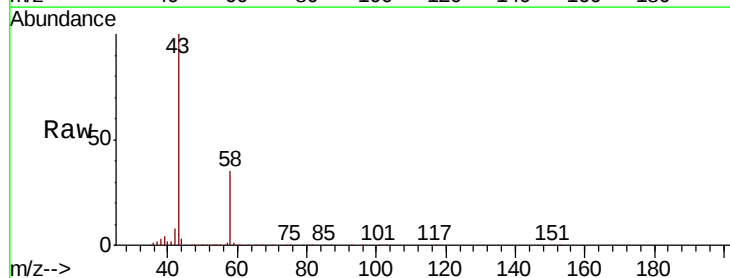
Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Tgt Ion: 43 Resp: 152502

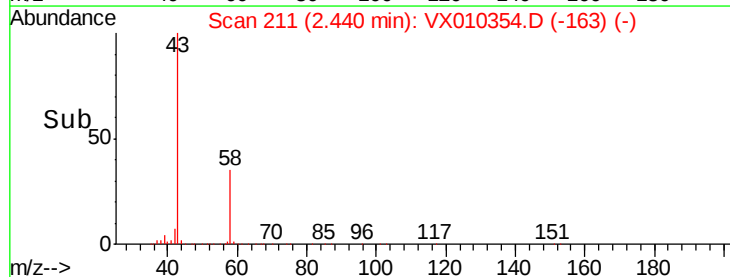
Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.9	43.3



Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 19.402 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

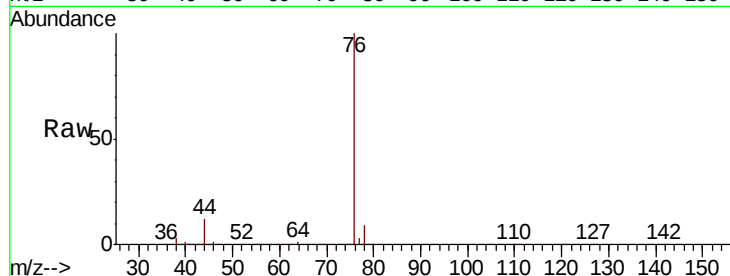
ClientSampled :

Tot Ion: 76 Resp: 151381

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

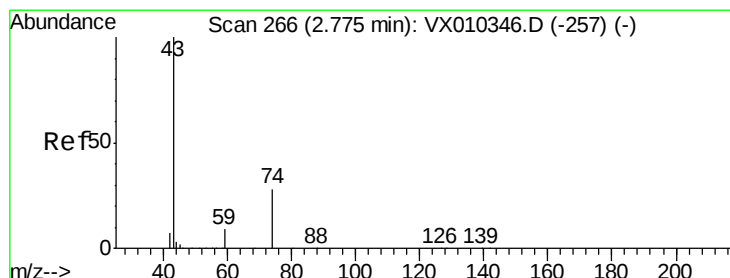
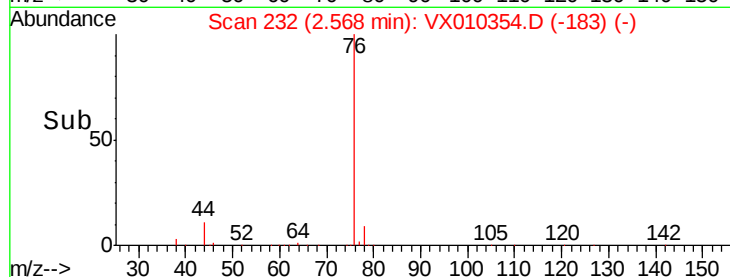
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.050 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010354.D

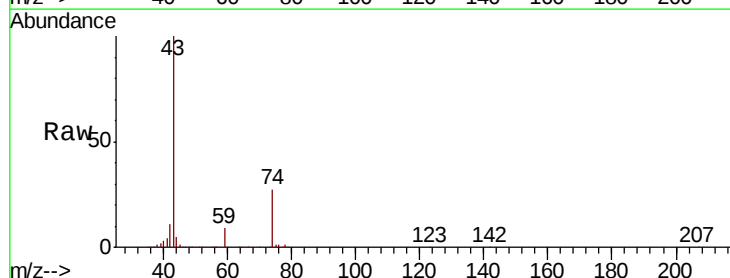
Acq: 20 Jun 2019 12:49

Tgt Ion: 43 Resp: 59859

Ion Ratio Lower Upper

43 100

74 28.8 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

40000

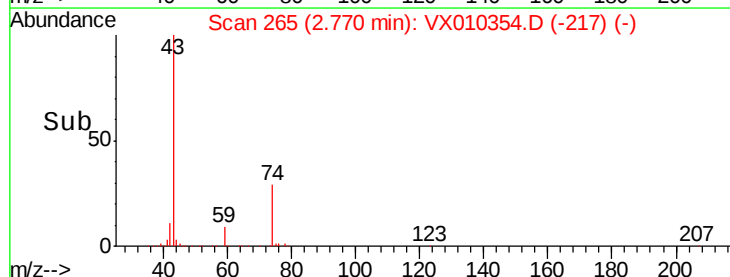
30000

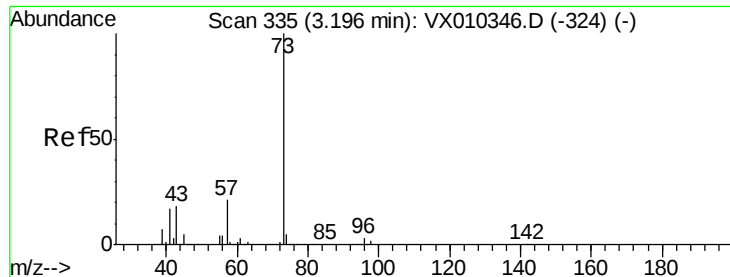
20000

10000

0

Time-->

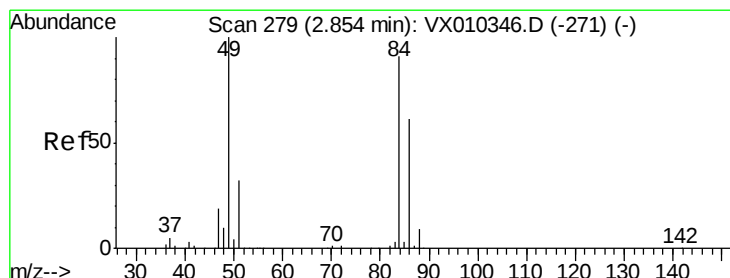
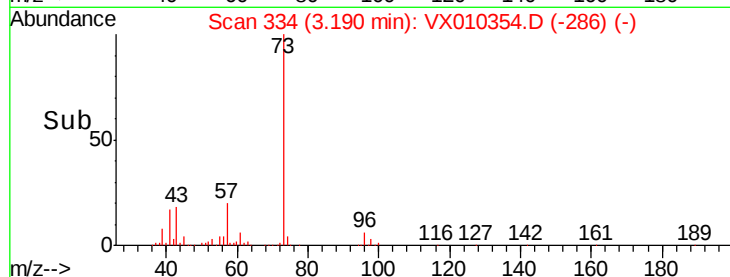
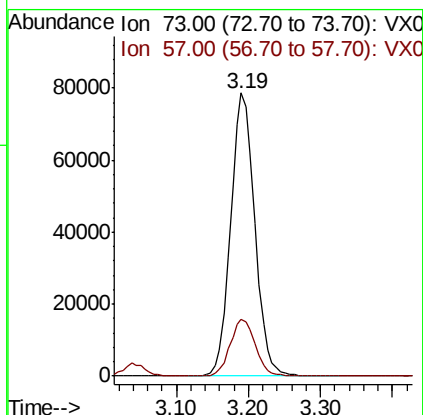
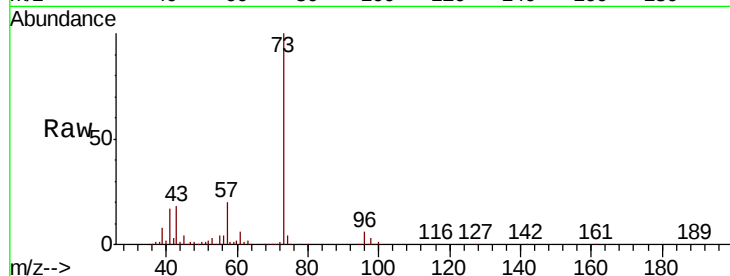




#19
Methyl tert-butyl Ether
Concen: 19.989 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

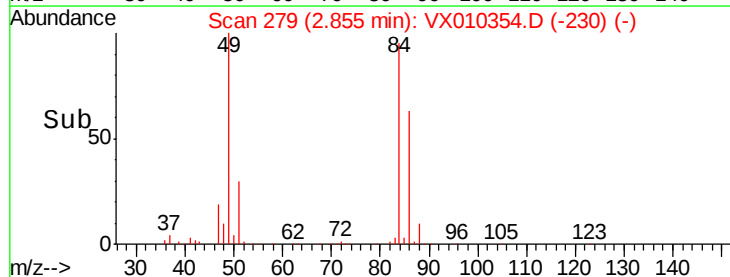
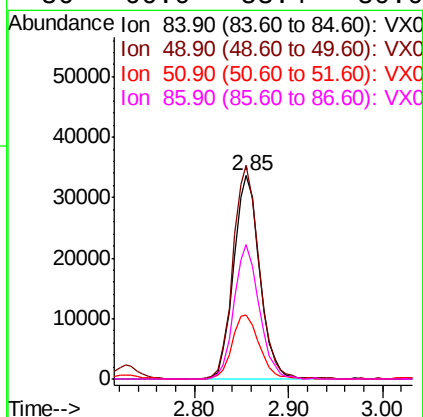
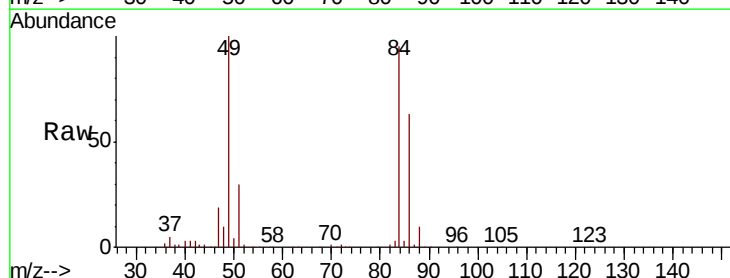
Instrument :
MSVOA_X
ClientSampleId :

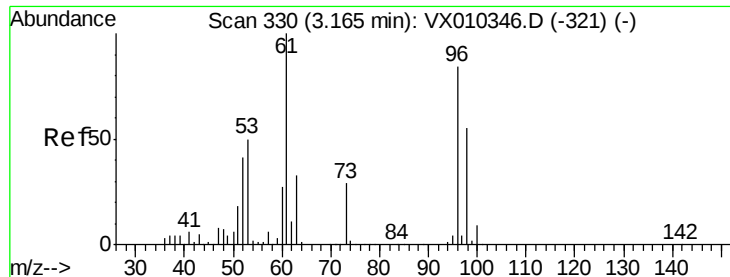
Tot Ion: 73 Resp: 182874
Ion Ratio Lower Upper
73 100
57 20.1 16.4 24.6



#20
Methylene Chloride
Concen: 19.904 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 84 Resp: 64580
Ion Ratio Lower Upper
84 100
49 105.0 87.5 131.3
51 31.6 27.7 41.5
86 66.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.919 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

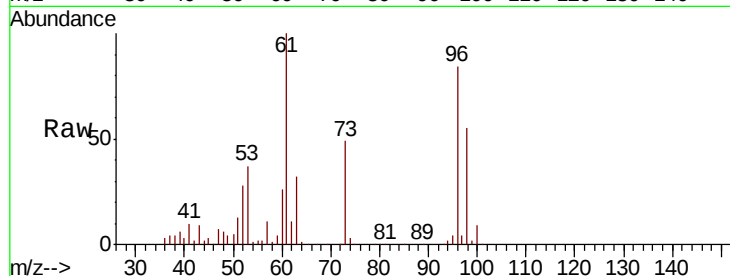
Tot Ion: 96 Resp: 62303

Ion Ratio Lower Upper

96 100

61 118.6 95.6 143.4

98 64.8 52.5 78.7

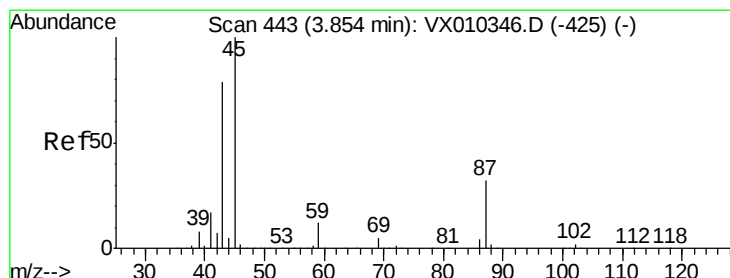
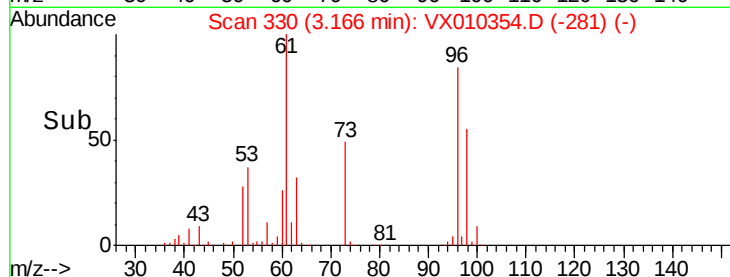
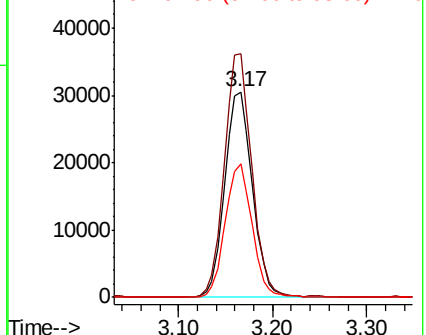


Abundance

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: 19.809 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Tgt Ion: 45 Resp: 170996

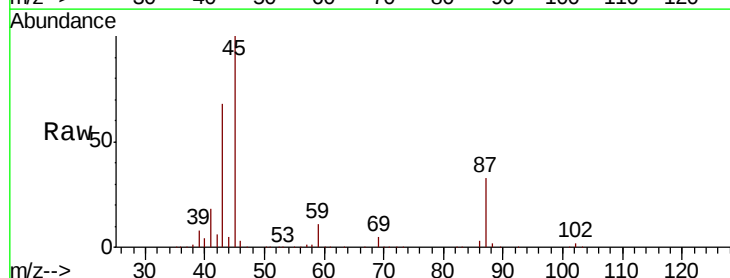
Ion Ratio Lower Upper

45 100

43 68.2 63.3 94.9

87 33.3 25.8 38.8

59 11.4 9.6 14.4



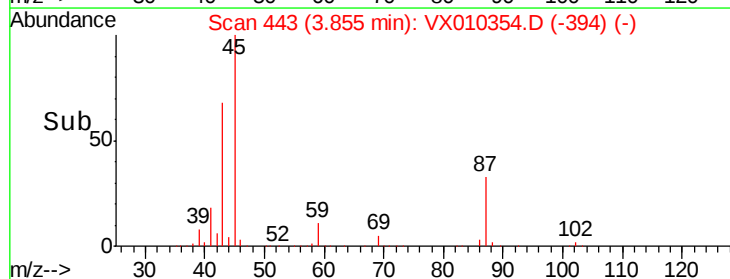
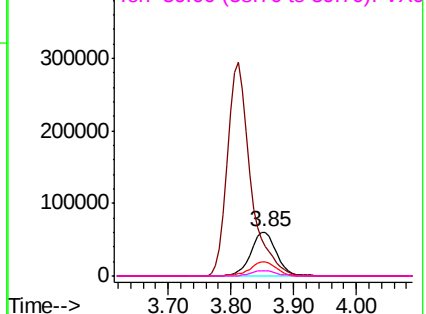
Abundance

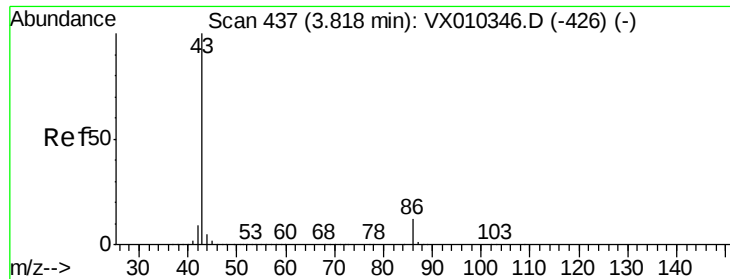
Ion 45.00 (44.70 to 45.70): VX0

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: 100.972 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

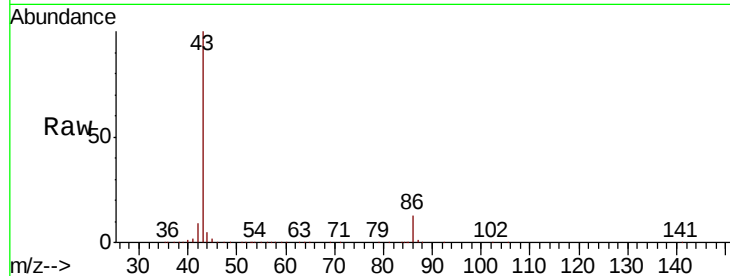
ClientSampleId :

Tot Ion: 43 Resp: 752998

Ion Ratio Lower Upper

43 100

86 12.7 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

300000

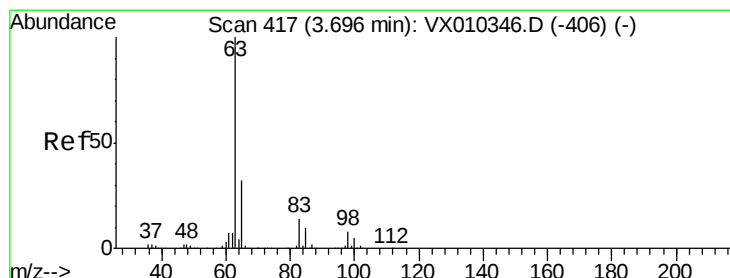
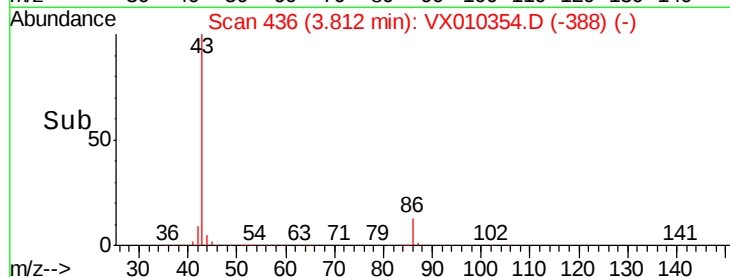
200000

100000

0

Time-->

3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 19.775 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

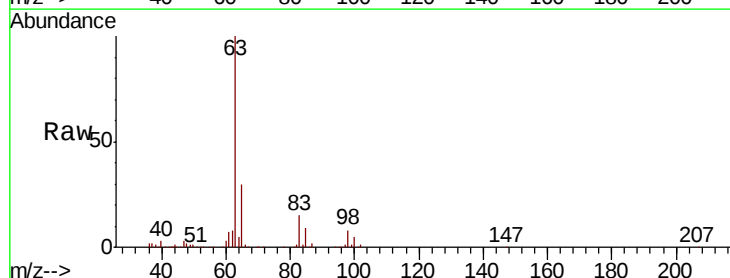
Tgt Ion: 63 Resp: 98676

Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.7

100 5.3 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

50000

40000

30000

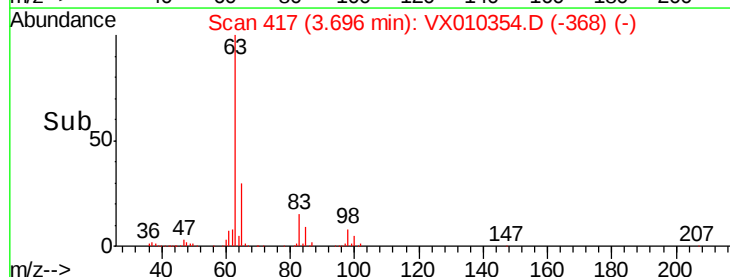
20000

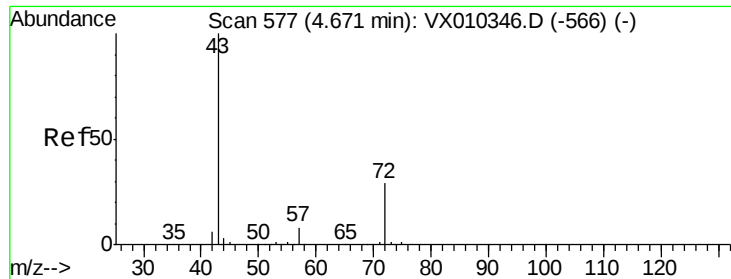
10000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 96.837 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

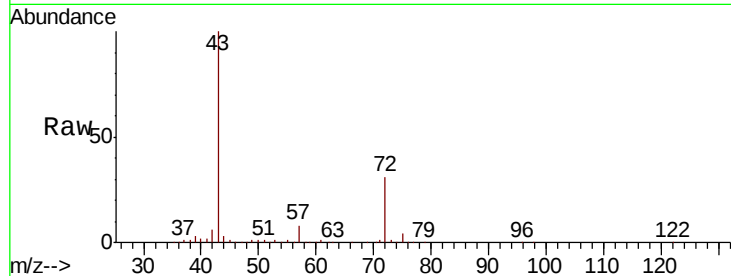
ClientSampled :

Tot Ion: 43 Resp: 223951

Ion Ratio Lower Upper

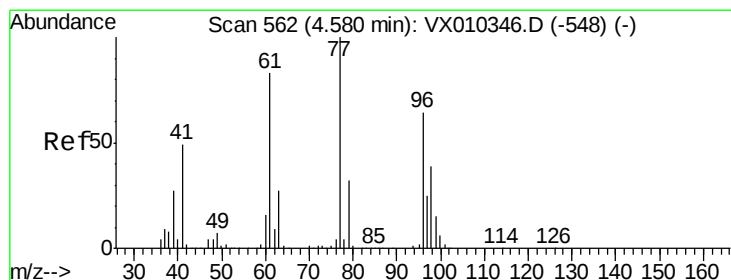
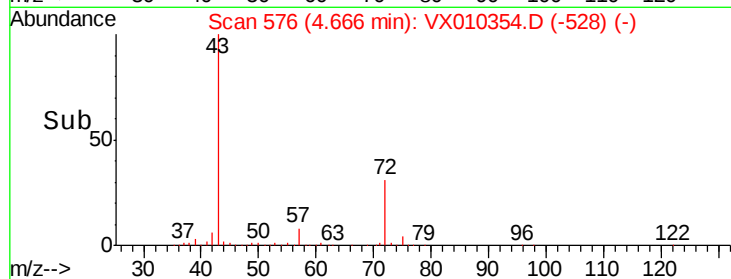
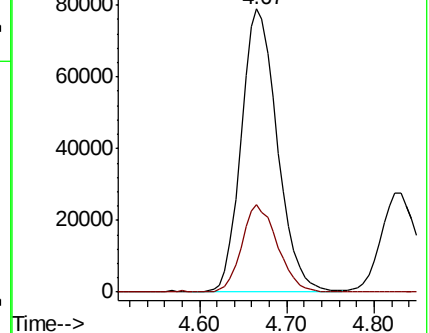
43 100

72 30.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.460 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010354.D

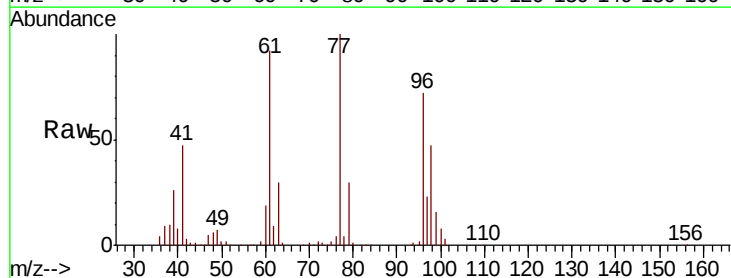
Acq: 20 Jun 2019 12:49

Tgt Ion: 77 Resp: 88685

Ion Ratio Lower Upper

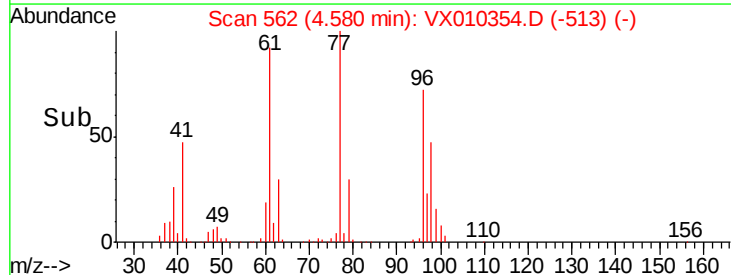
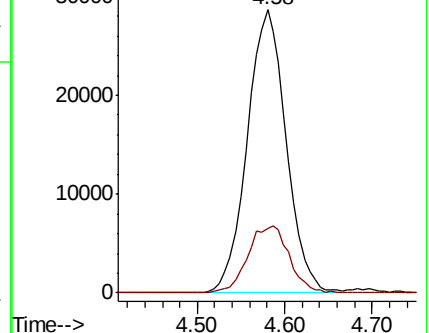
77 100

97 25.0 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



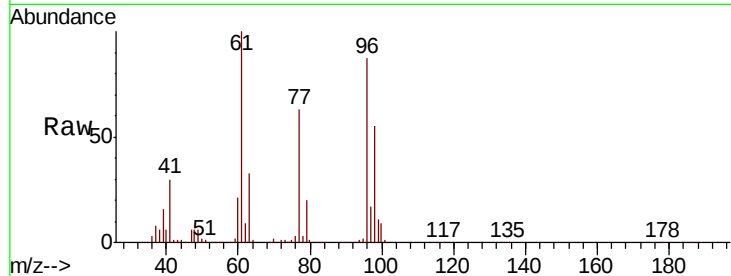


#27

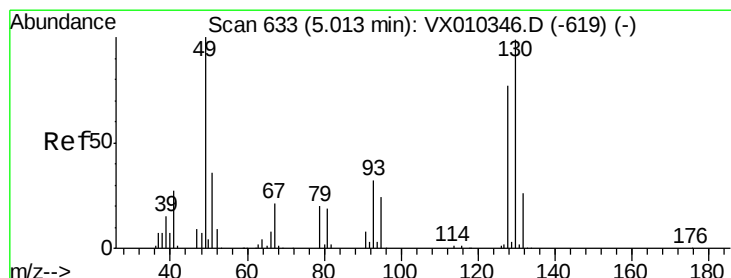
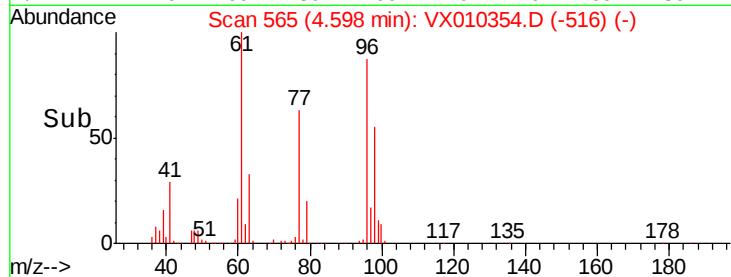
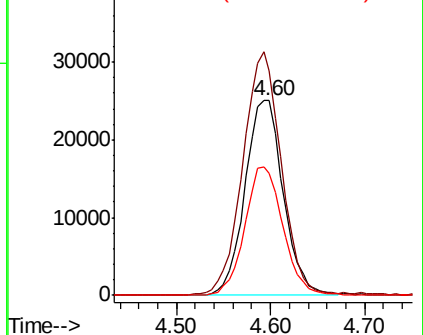
cis-1,2-Dichloroethene
 Concen: 19.669 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 71091
 Ion Ratio Lower Upper
 96 100
 61 125.9 0.0 251.8
 98 65.9 0.0 129.4



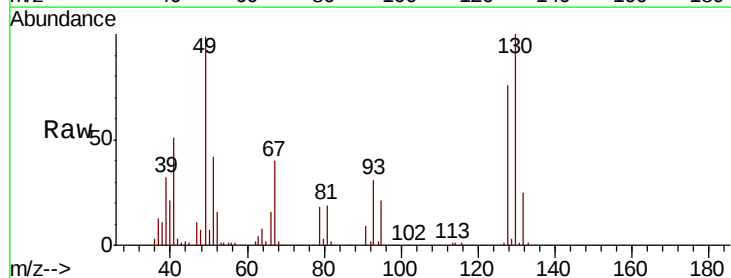
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



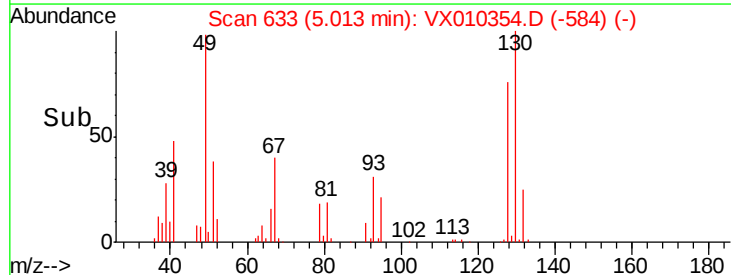
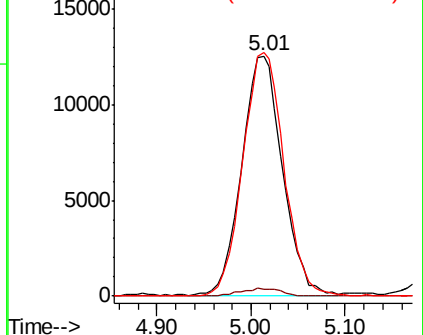
#28

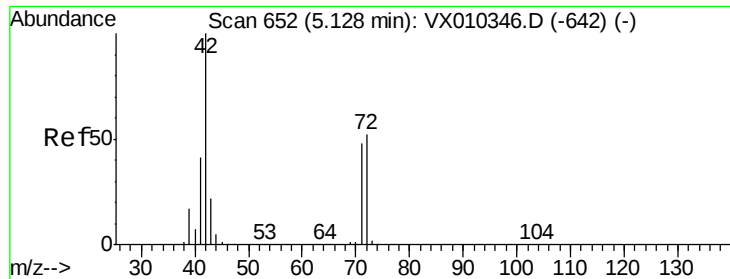
Bromochloromethane
 Concen: 16.042 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Tgt Ion: 49 Resp: 38273
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 5.6
 130 101.5 81.4 122.0



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

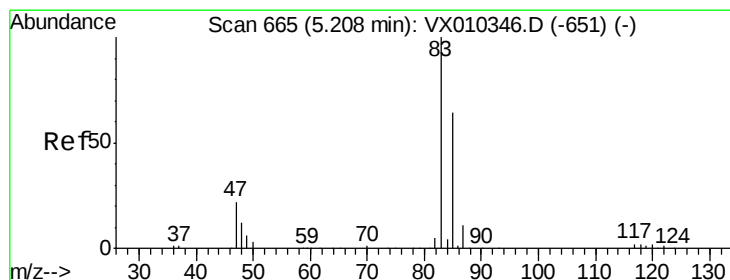
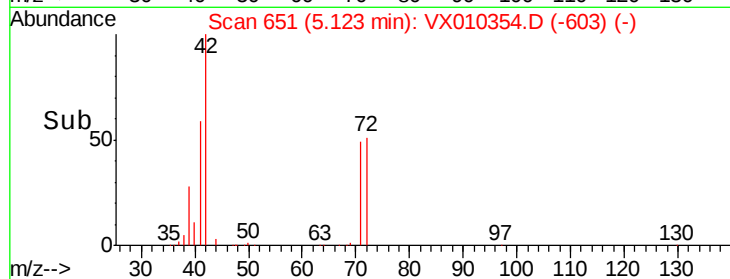
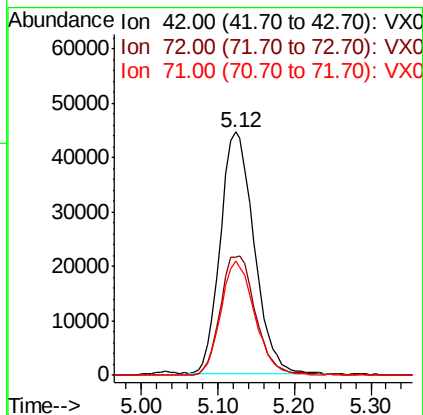
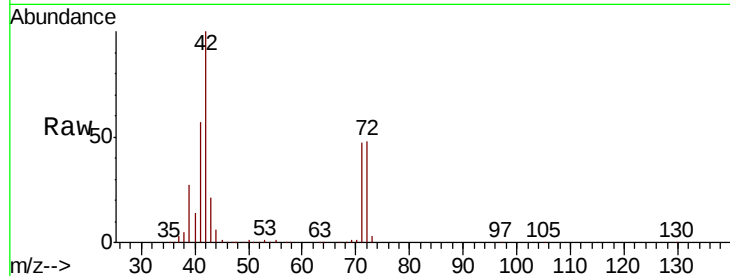




#29
Tetrahydrofuran
Concen: 95.191 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

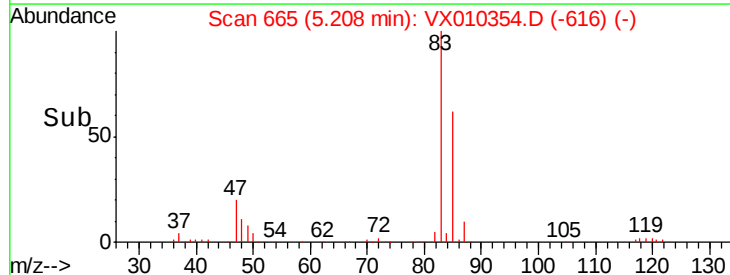
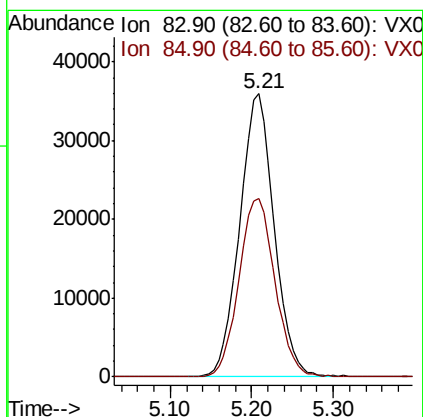
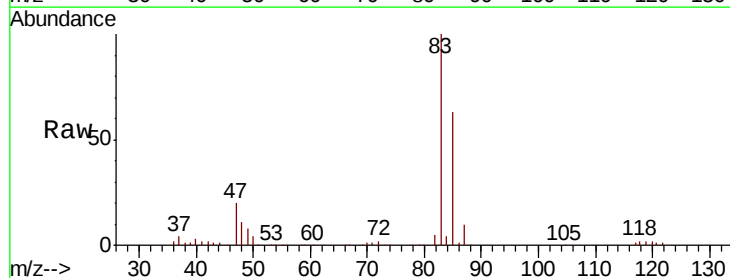
Instrument :
MSVOA_X
ClientSampleId :

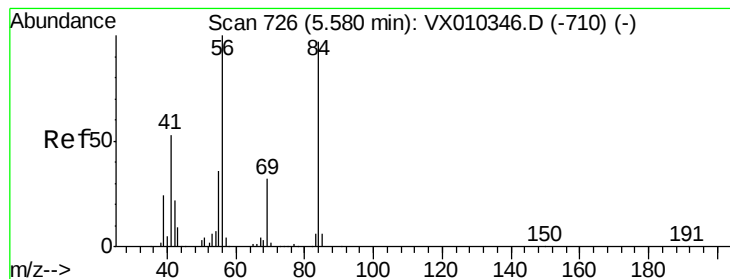
Tot Ion: 42 Resp: 136359
Ion Ratio Lower Upper
42 100
72 51.4 40.6 60.8
71 47.2 37.8 56.8



#30
Chloroform
Concen: 19.699 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 83 Resp: 105761
Ion Ratio Lower Upper
83 100
85 63.1 50.9 76.3





#31

Cyclohexane

Concen: 20.380 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

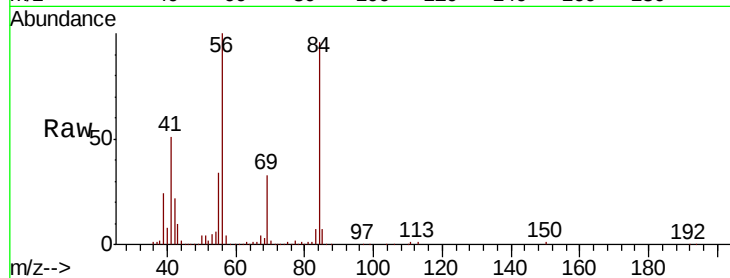
Tot Ion: 56 Resp: 92607

Ion Ratio Lower Upper

56 100

69 32.7 25.9 38.9

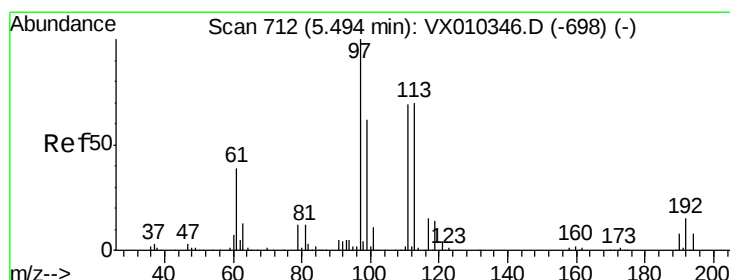
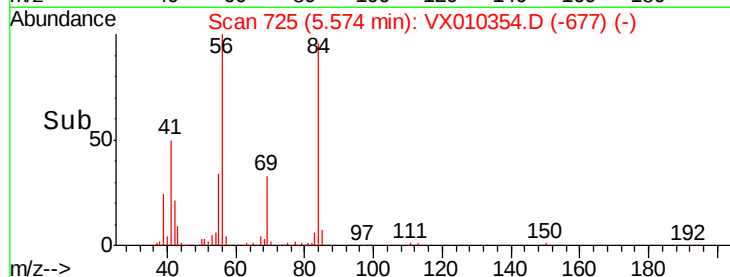
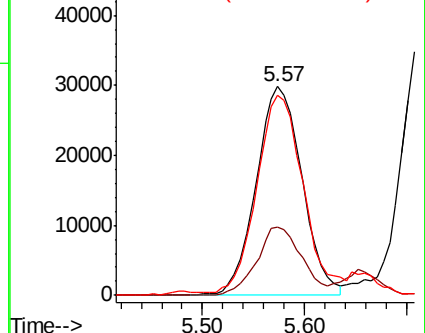
84 94.5 78.0 117.0



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: 20.204 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

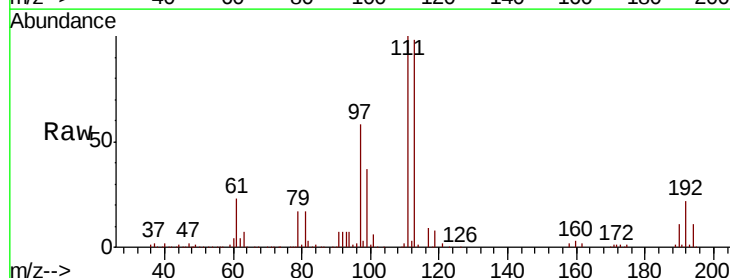
Tgt Ion: 97 Resp: 95778

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

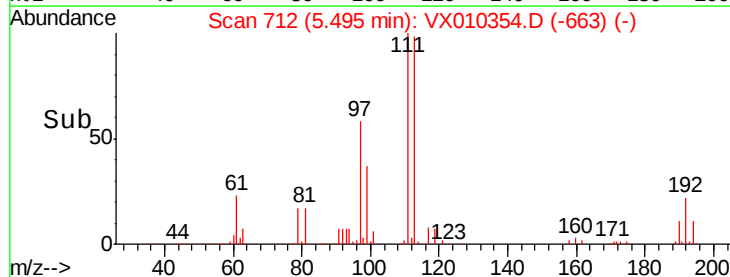
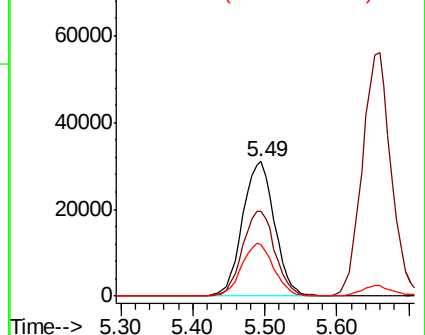
61 39.2 32.1 48.1

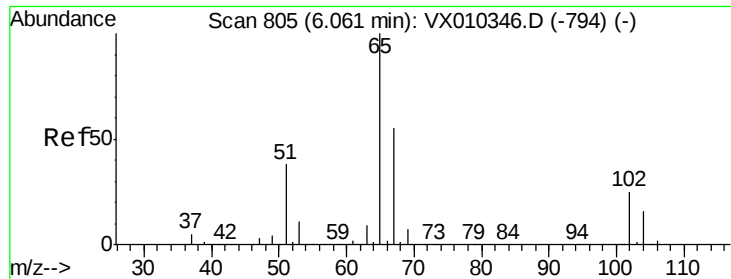


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.772 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

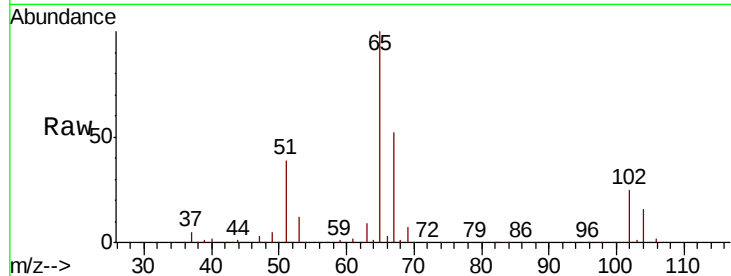
ClientSampleId :

Tot Ion: 65 Resp: 150282

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

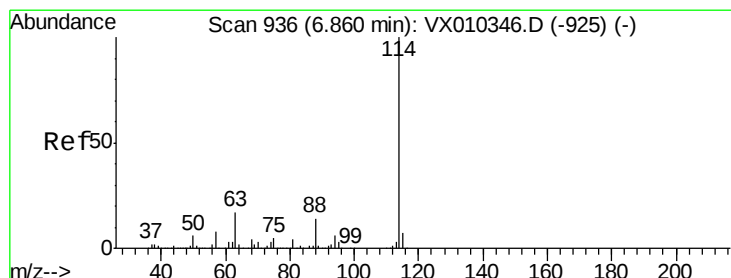
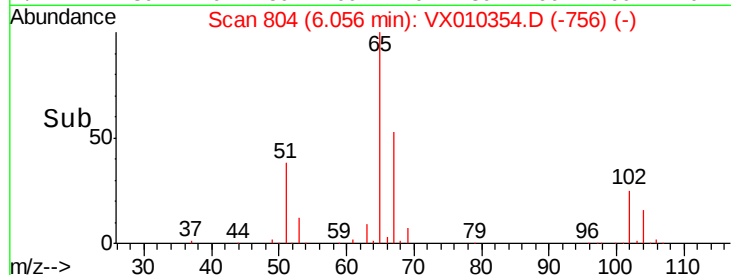
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

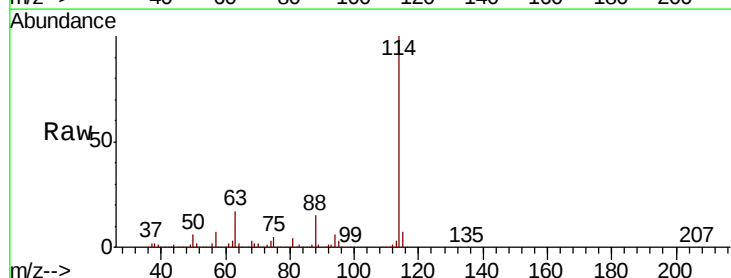
Tgt Ion: 114 Resp: 479900

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

88 14.5 0.0 27.6



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

250000

200000

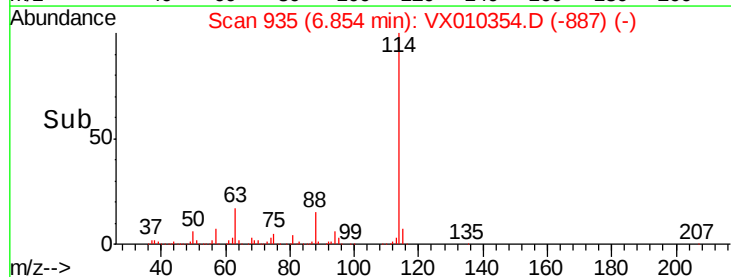
150000

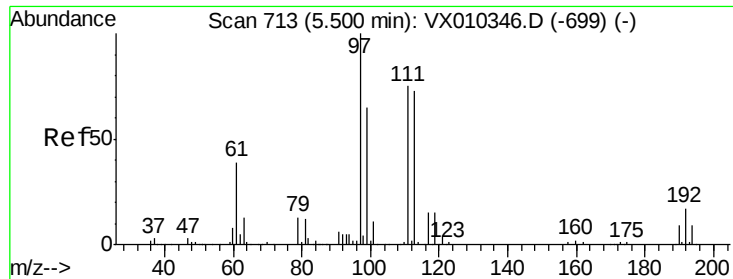
100000

50000

0

Time-->

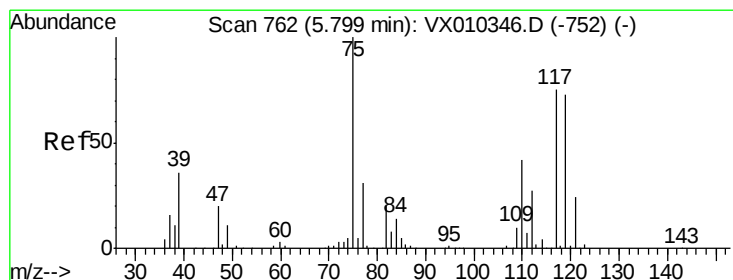
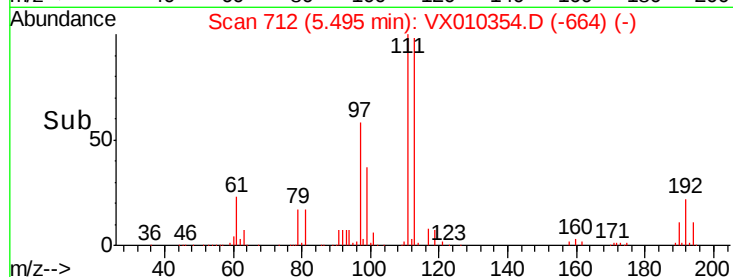
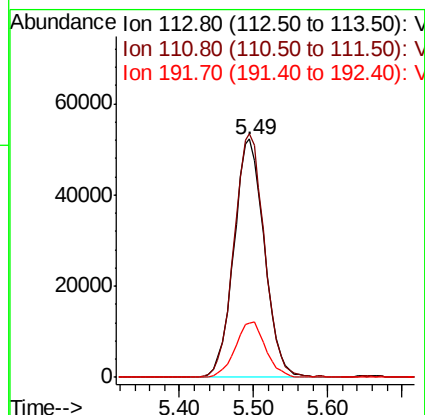
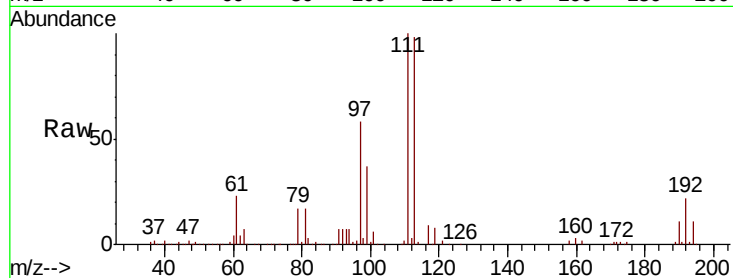




#35
 Dibromofluoromethane
 Concen: 50.994 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

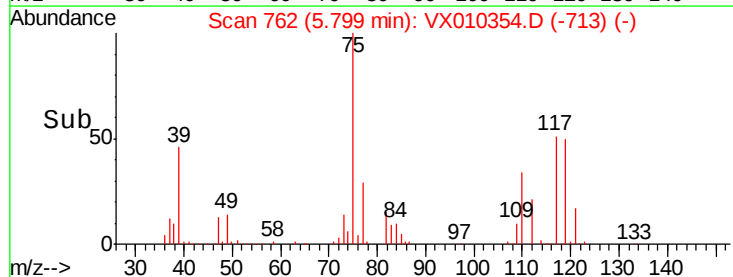
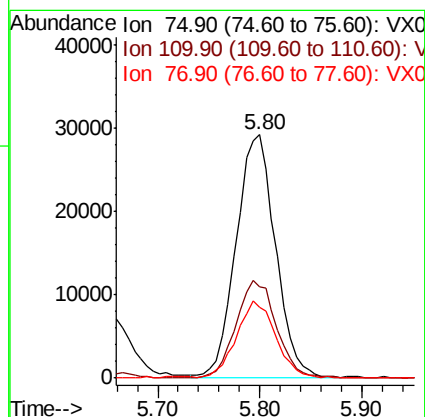
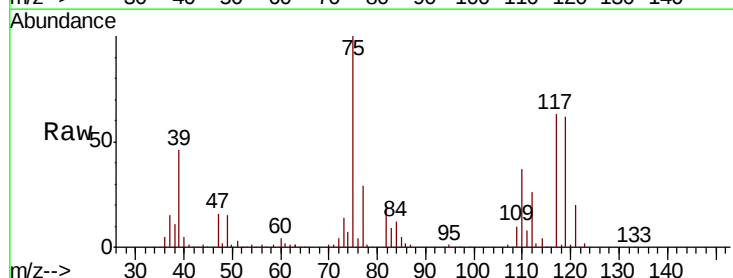
Instrument :
 MSVOA_X
 ClientSampleId :

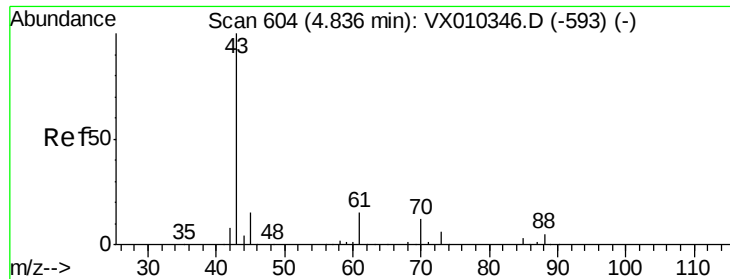
Tot Ion:113 Resp: 149730
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.2 121.8
 192 23.3 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 20.453 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Tgt Ion: 75 Resp: 77999
 Ion Ratio Lower Upper
 75 100
 110 41.7 20.8 62.2
 77 31.6 25.4 38.0

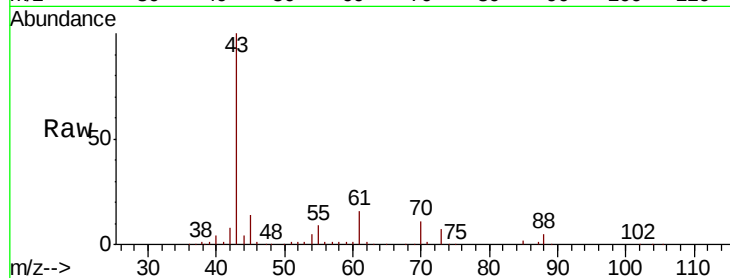




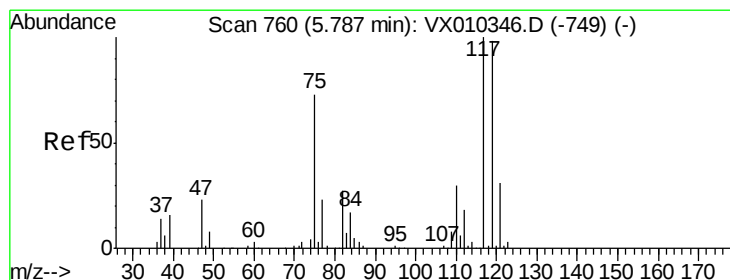
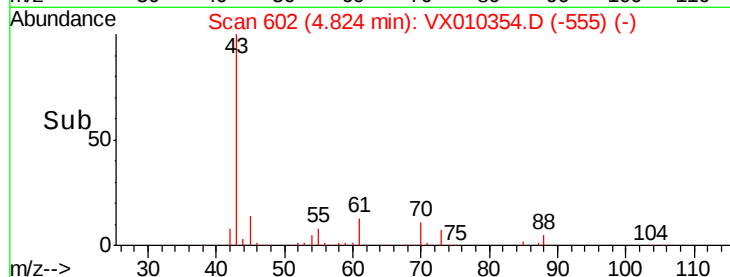
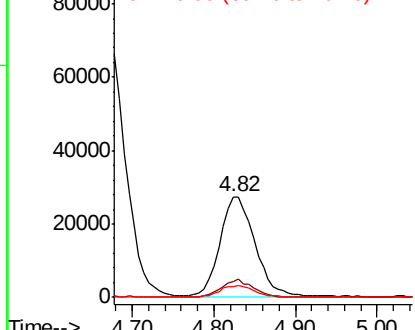
#37
Ethyl Acetate
Concen: 20.441 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 80196
Ion Ratio Lower Upper
43 100
61 15.5 12.4 18.6
70 12.3 9.8 14.8

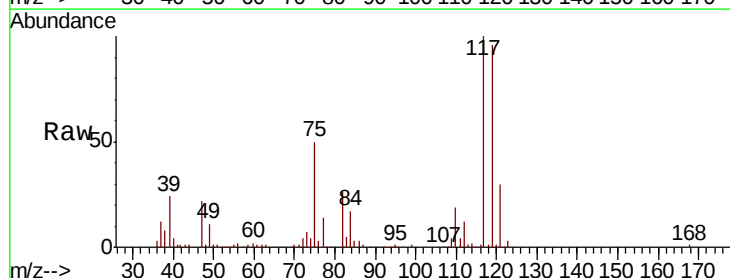


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

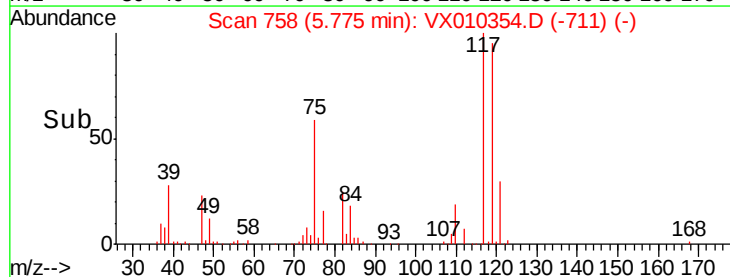
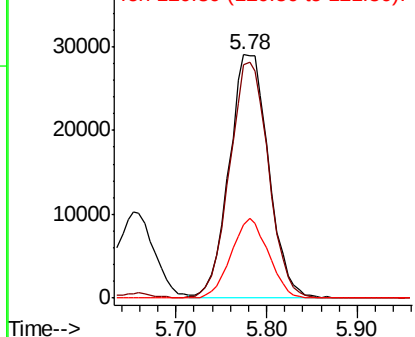


#38
Carbon Tetrachloride
Concen: 21.194 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 117 Resp: 87524
Ion Ratio Lower Upper
117 100
119 95.9 78.2 117.4
121 30.1 24.7 37.1



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

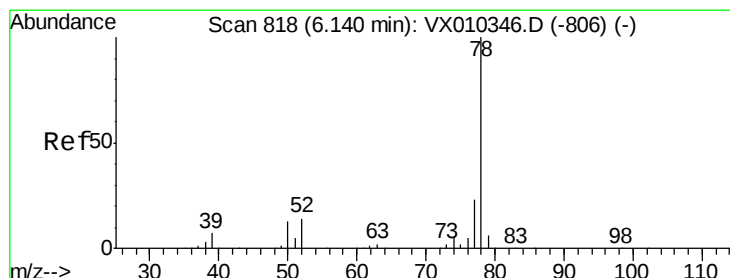
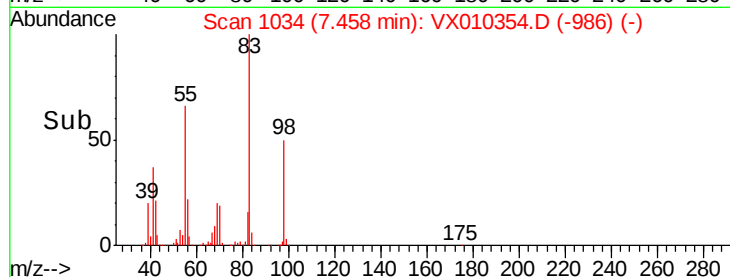
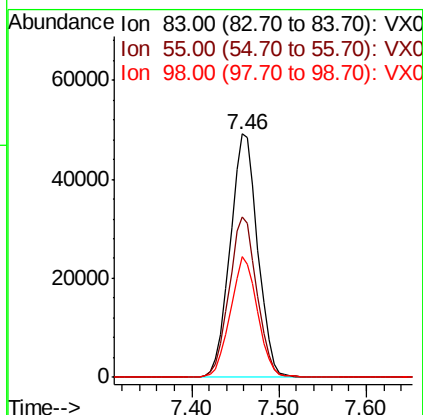
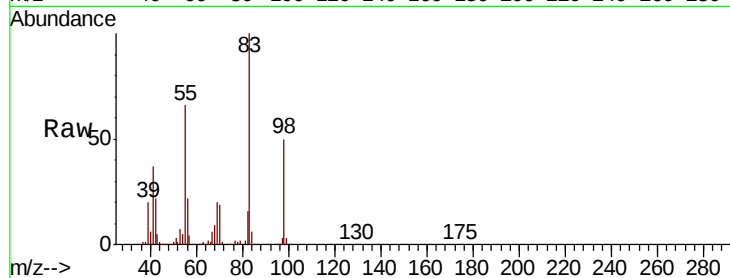




#39
Methvlcvclohexane
Concen: 21.496 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

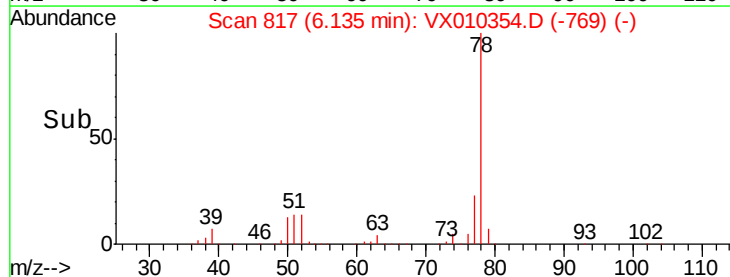
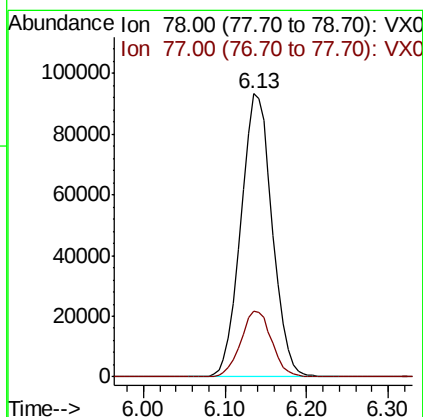
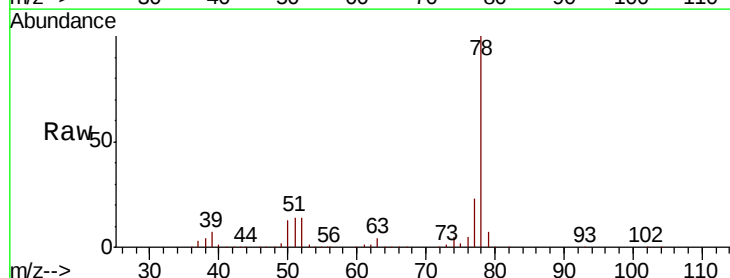
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 107755
Ion Ratio Lower Upper
83 100
55 65.9 53.0 79.6
98 49.8 37.8 56.8



#40
Benzene
Concen: 20.944 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 78 Resp: 248832
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0





#41

Methacrylonitrile

Concen: 19.793 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 42607

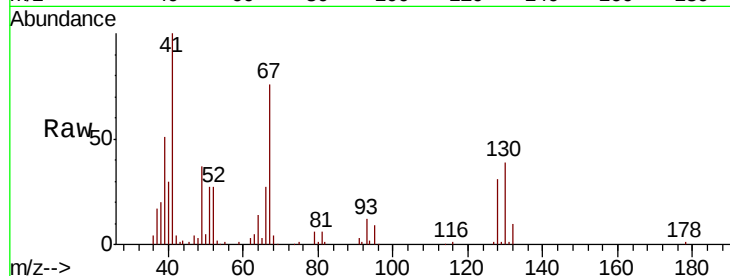
Ion Ratio Lower Upper

41 100

39 54.7 43.8 65.8

67 83.0 66.6 100.0

52 32.8 24.5 36.7

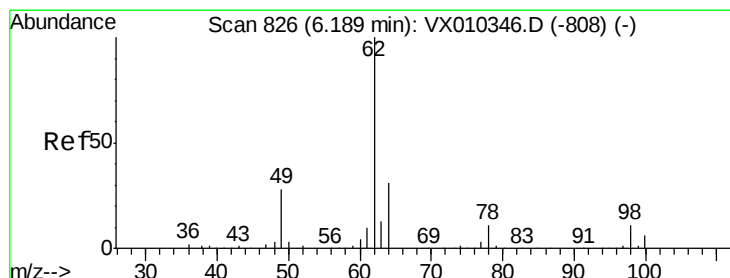
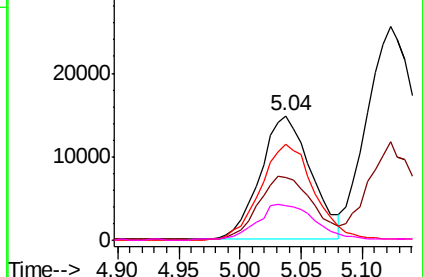
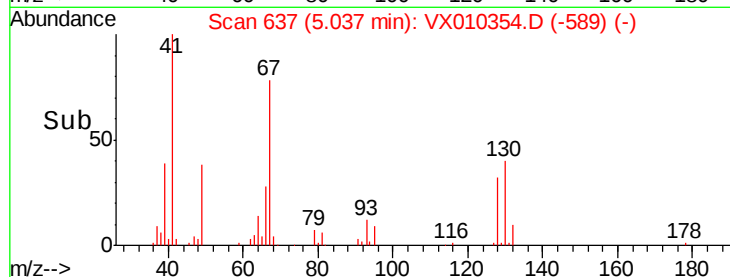


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.102 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010354.D

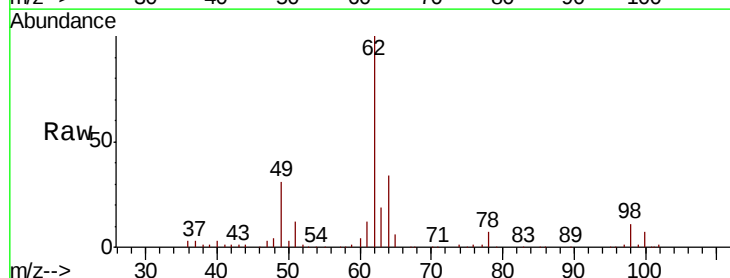
Acq: 20 Jun 2019 12:49

Tgt Ion: 62 Resp: 76317

Ion Ratio Lower Upper

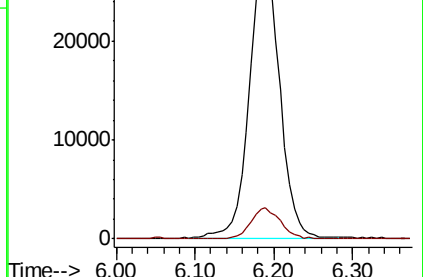
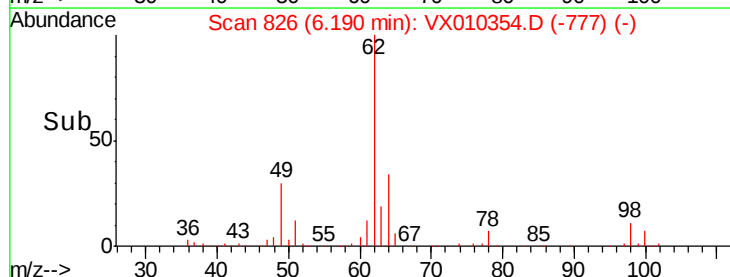
62 100

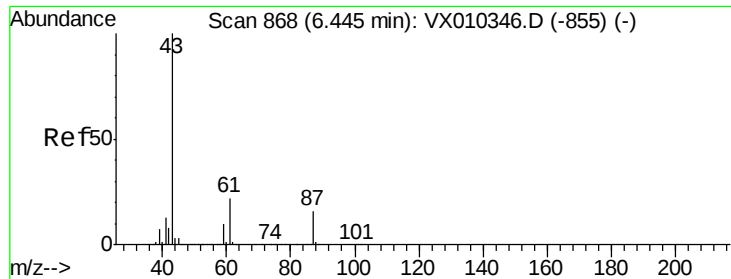
98 10.8 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



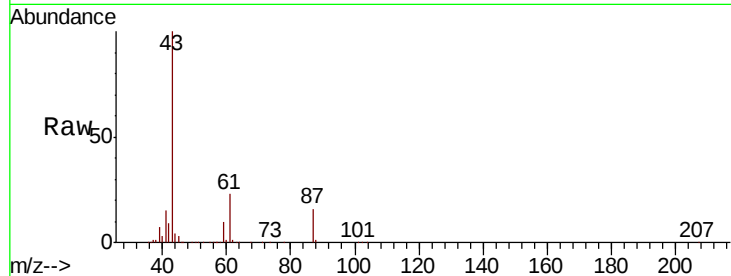


#43

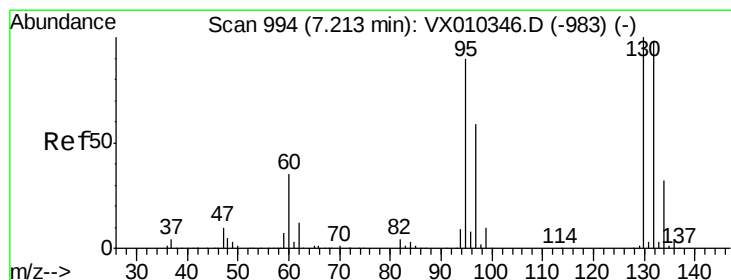
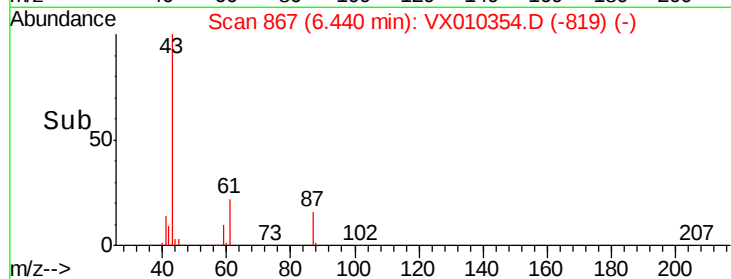
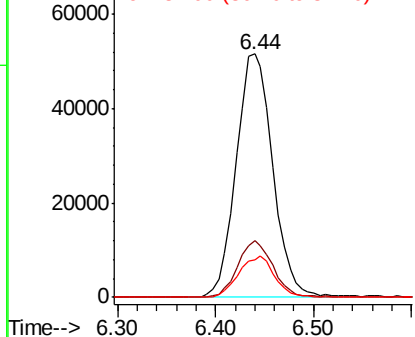
Isopropyl Acetate
 Concen: 20.463 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 132826
 Ion Ratio Lower Upper
 43 100
 61 22.7 17.8 26.6
 87 16.7 13.0 19.4



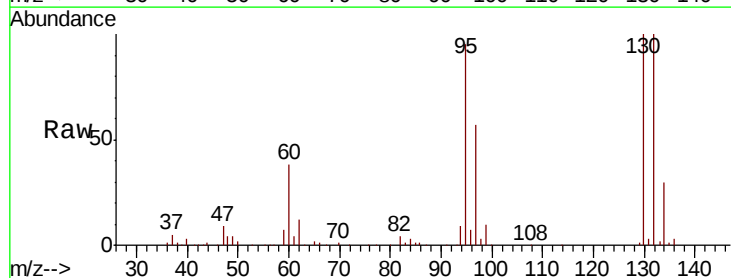
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



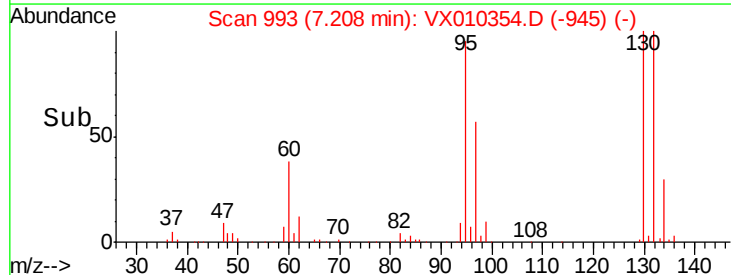
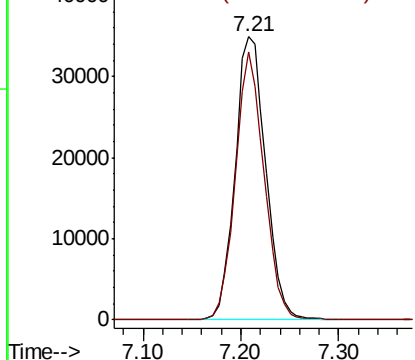
#44

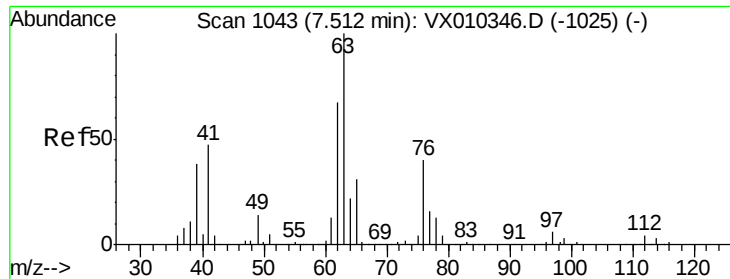
Trichloroethene
 Concen: 21.258 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Tgt Ion:130 Resp: 75574
 Ion Ratio Lower Upper
 130 100
 95 94.7 0.0 180.8



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





#45

1,2-Dichloropropane

Concen: 20.825 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

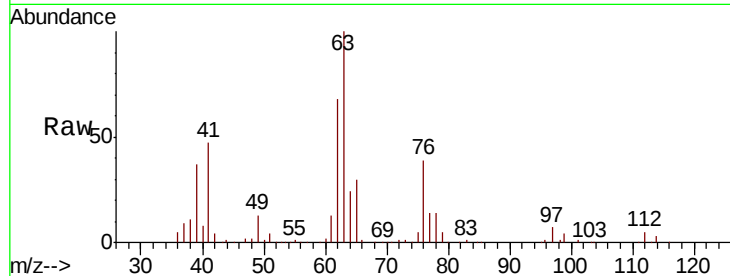
ClientSampleId :

Tot Ion: 63 Resp: 62481

Ion Ratio Lower Upper

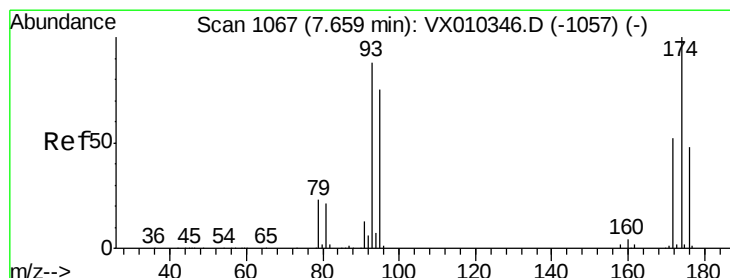
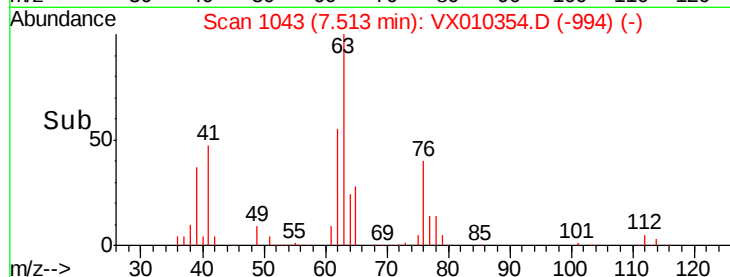
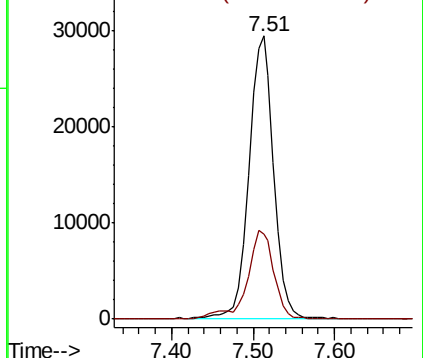
63 100

65 30.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.379 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

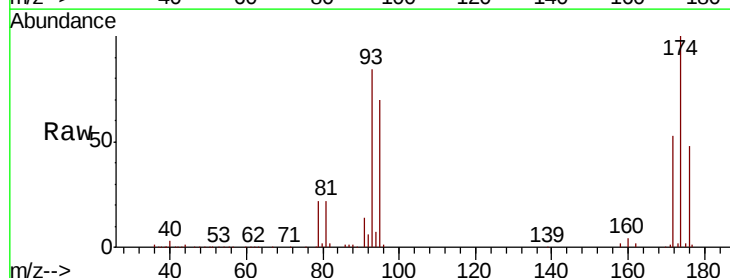
Tgt Ion: 93 Resp: 43869

Ion Ratio Lower Upper

93 100

95 84.2 67.5 101.3

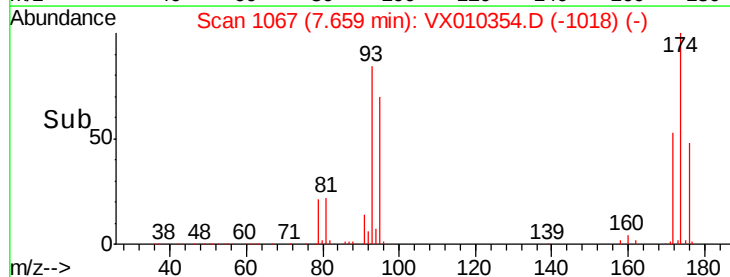
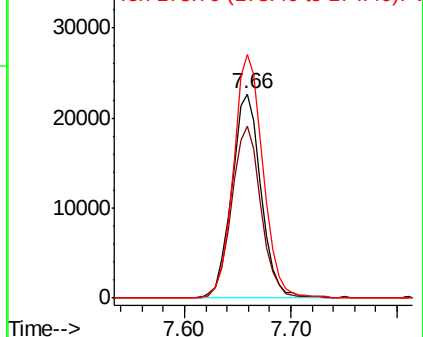
174 120.1 95.8 143.6

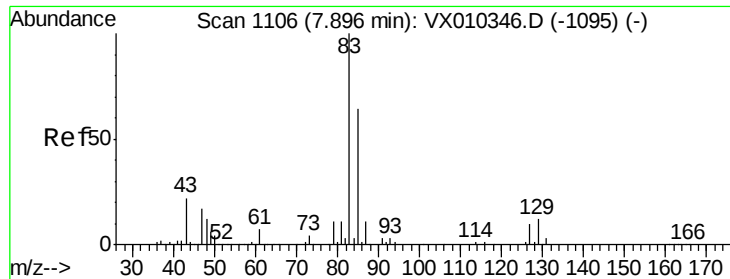


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

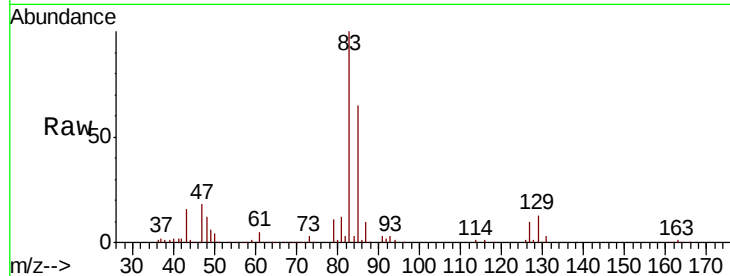




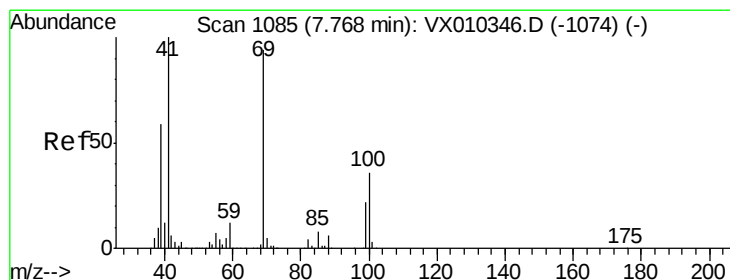
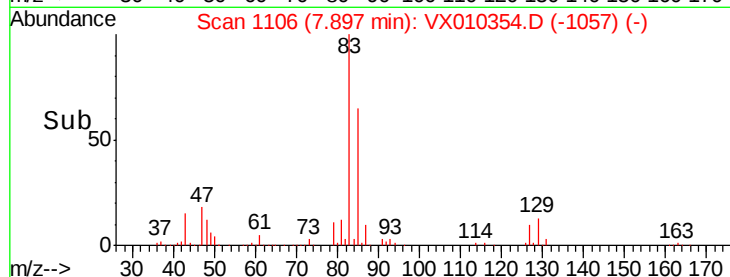
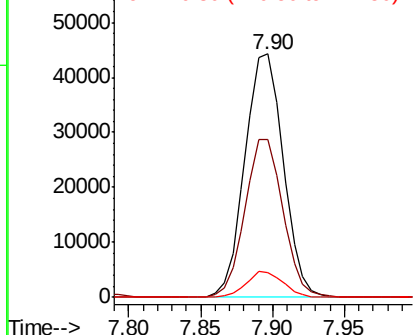
#47
Bromodichloromethane
Concen: 20.777 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 81965
Ion Ratio Lower Upper
83 100
85 65.0 51.5 77.3
127 10.3 7.8 11.8

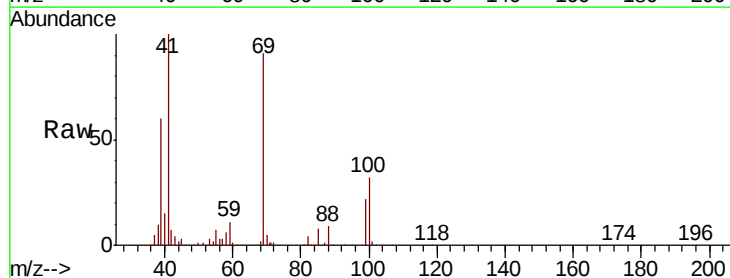


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

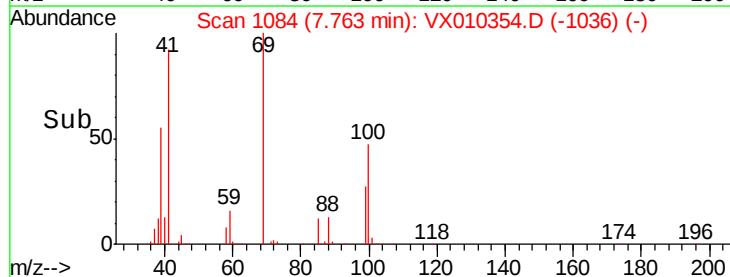
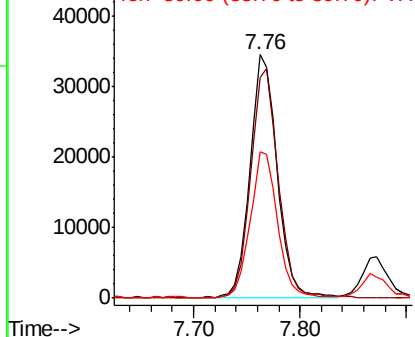


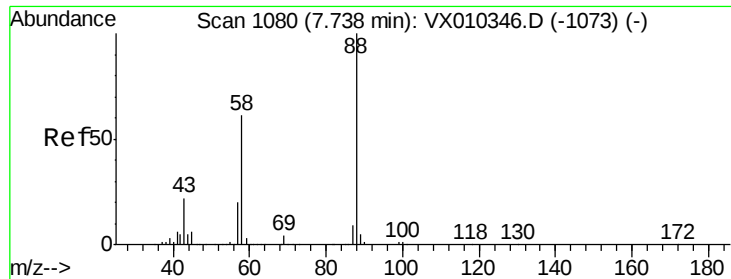
#48
Methyl methacrylate
Concen: 20.351 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 41 Resp: 61399
Ion Ratio Lower Upper
41 100
69 96.8 76.1 114.1
39 61.1 47.6 71.4



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

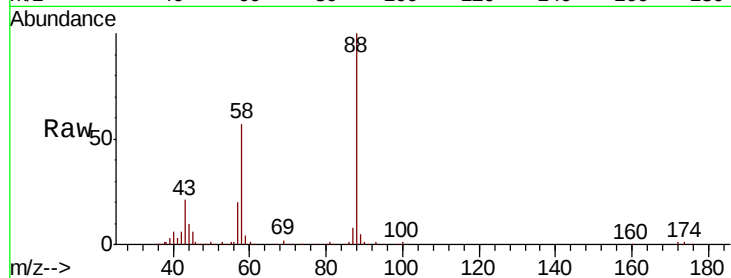




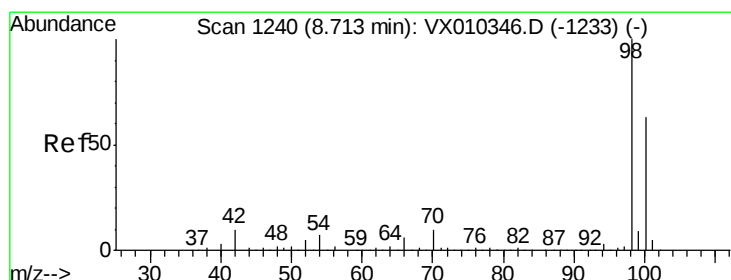
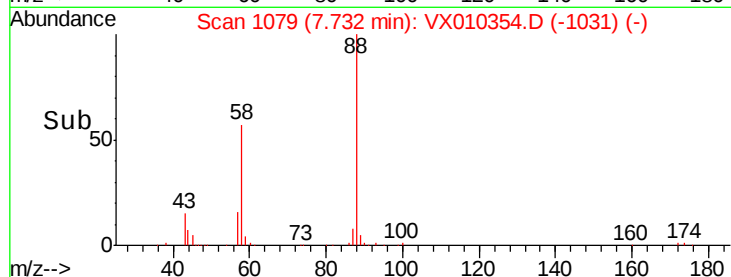
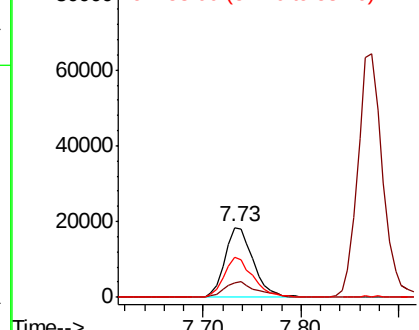
#49
1,4-Dioxane
Concen: 427.538 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 37159
Ion Ratio Lower Upper
88 100
43 23.7 20.2 30.2
58 58.7 49.5 74.3

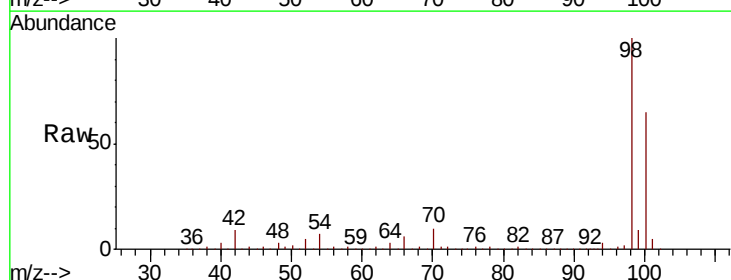


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

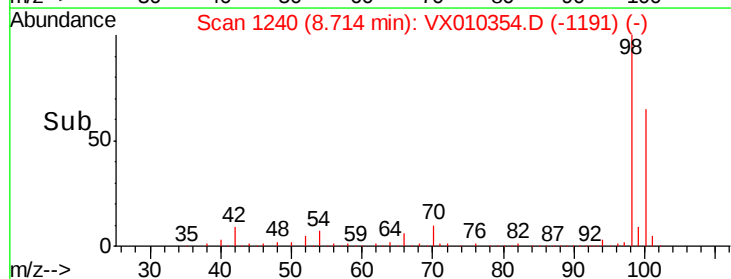
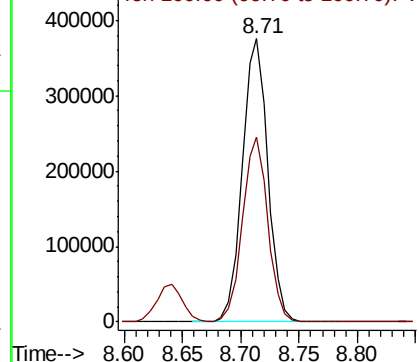


#50
Toluene-d8
Concen: 50.965 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 98 Resp: 572507
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

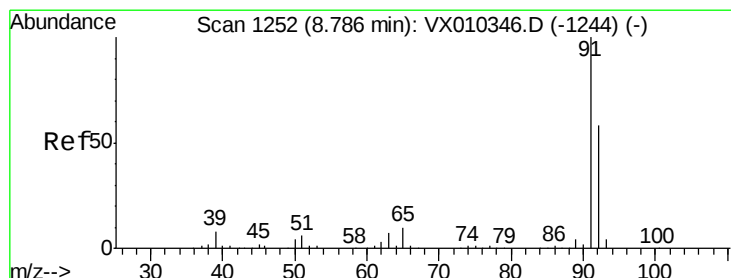
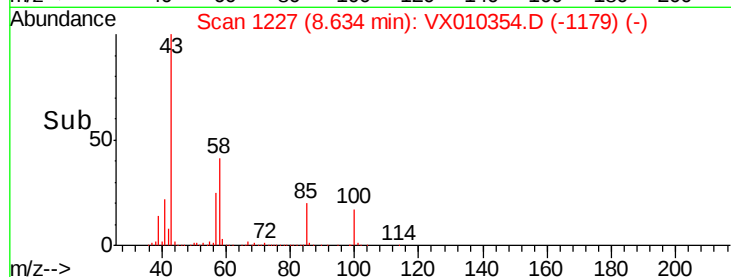
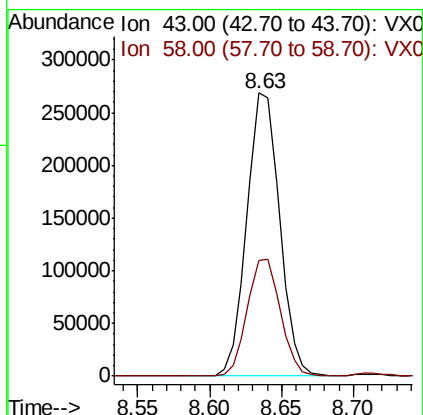
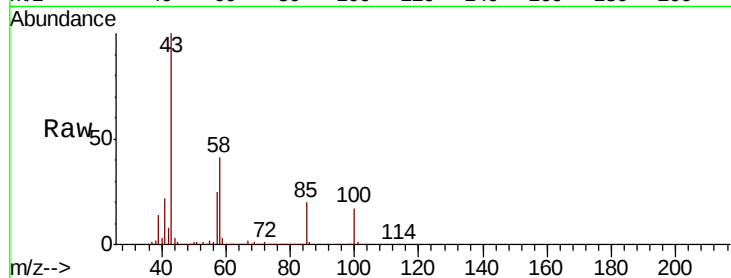




#51
4-Methyl-2-Pentanone
Concen: 102.064 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

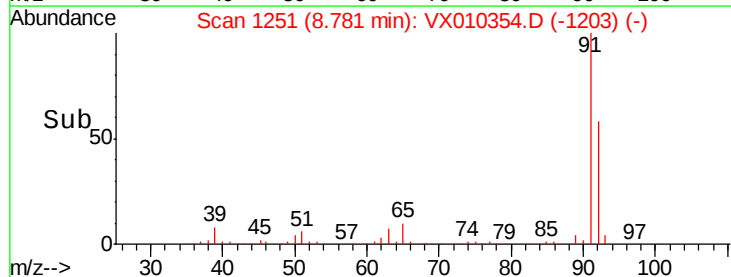
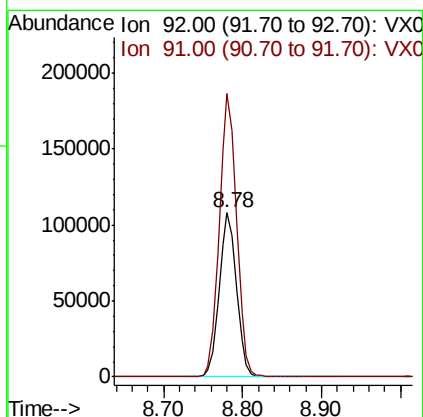
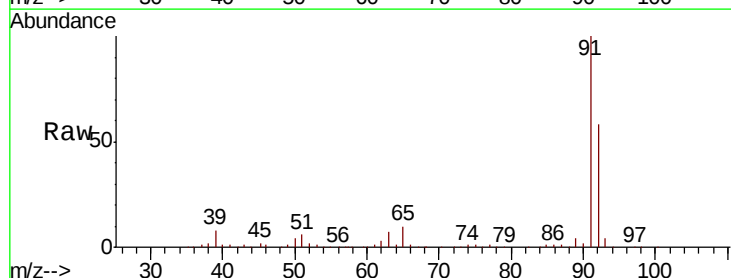
Instrument :
MSVOA_X
ClientSampled :

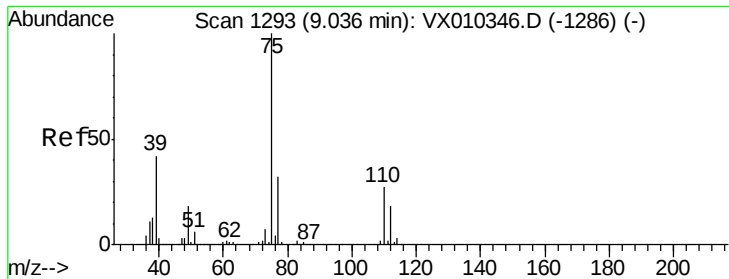
Tot Ion: 43 Resp: 423700
Ion Ratio Lower Upper
43 100
58 41.8 33.5 50.3



#52
Toluene
Concen: 21.012 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 92 Resp: 164403
Ion Ratio Lower Upper
92 100
91 173.1 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 20.813 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

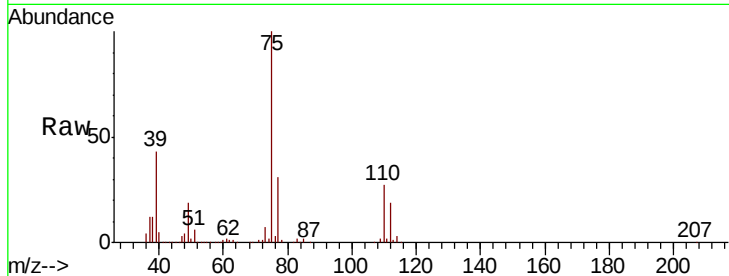
ClientSampleId :

Tot Ion: 75 Resp: 92052

Ion Ratio Lower Upper

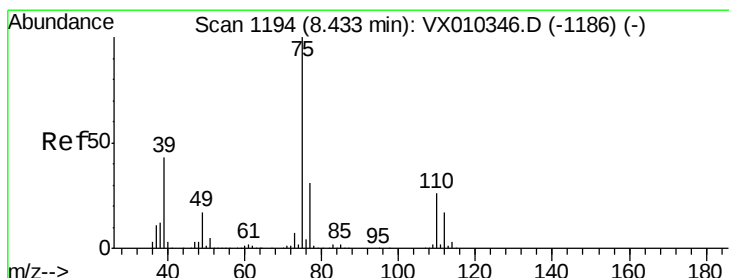
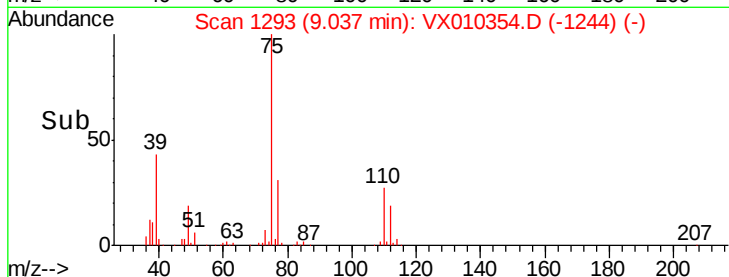
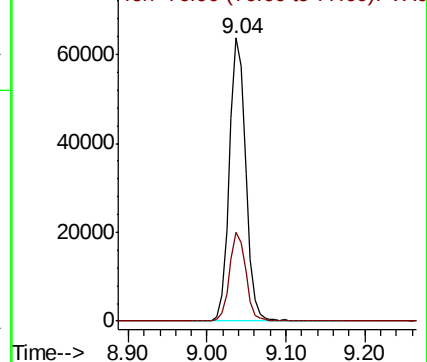
75 100

77 31.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.787 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

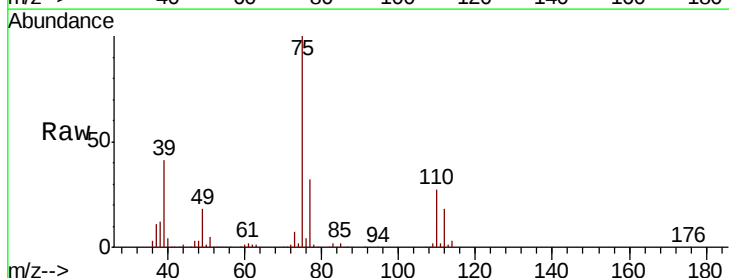
Tgt Ion: 75 Resp: 99911

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

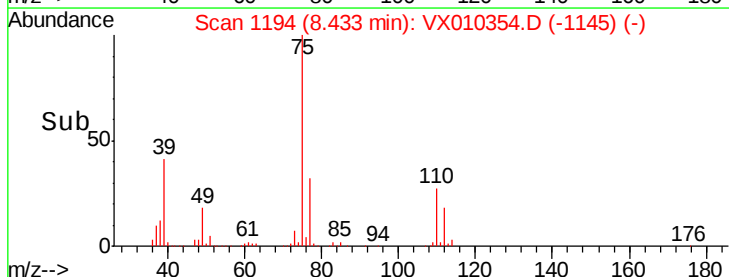
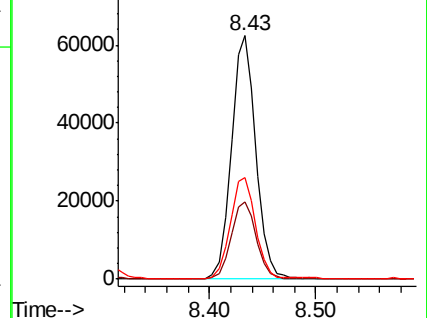
39 41.2 34.5 51.7

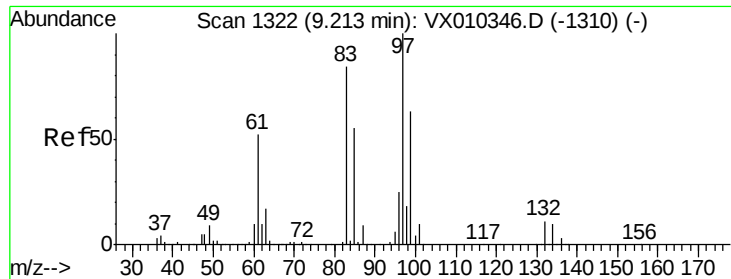


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



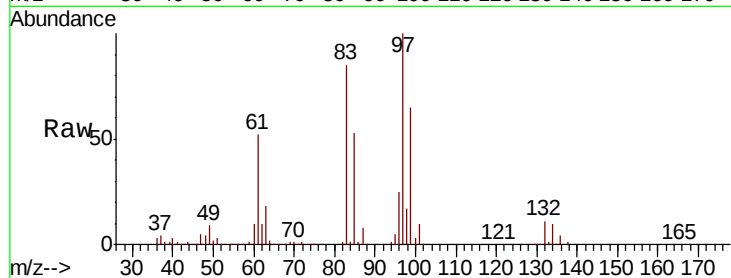


#55
 1,1,2-Trichloroethane
 Concen: 20.320 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

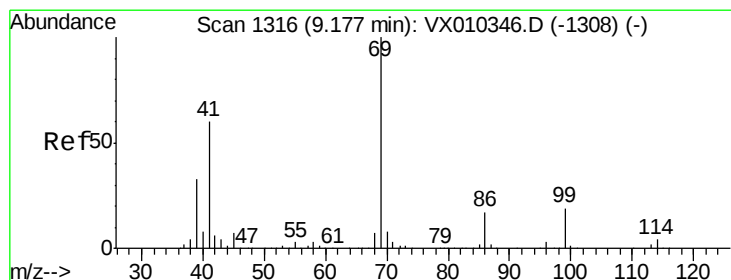
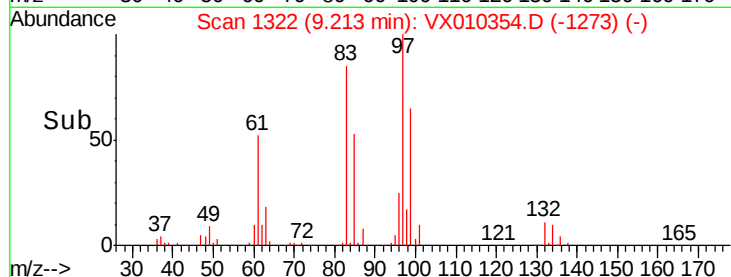
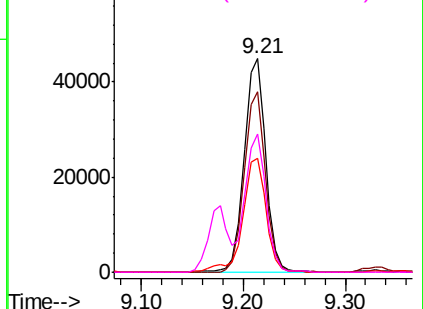
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 97 Resp: 65569

Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.4	101.0
85	53.0	43.8	65.8
99	64.7	50.3	75.5



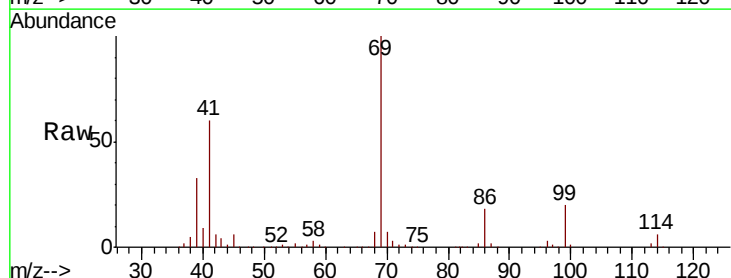
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0



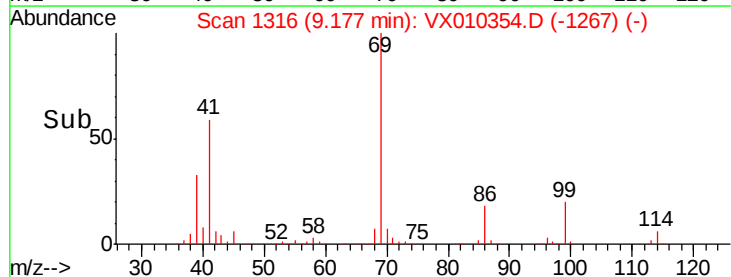
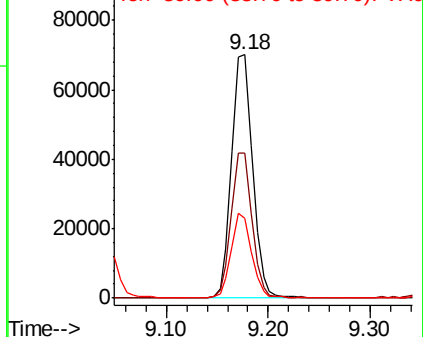
#56
 Ethyl methacrylate
 Concen: 20.446 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

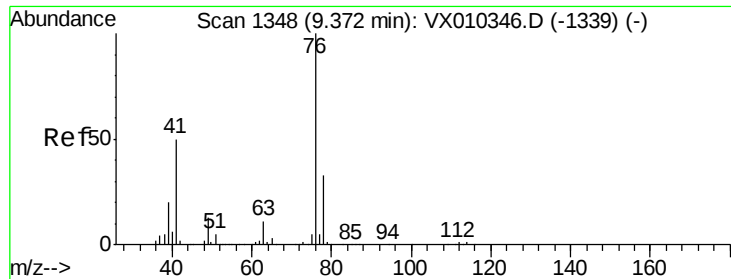
Tgt Ion: 69 Resp: 99946

Ion	Ratio	Lower	Upper
69	100		
41	58.6	47.1	70.7
39	34.3	26.6	40.0



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

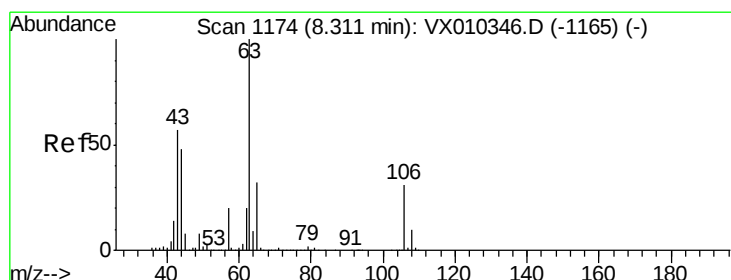
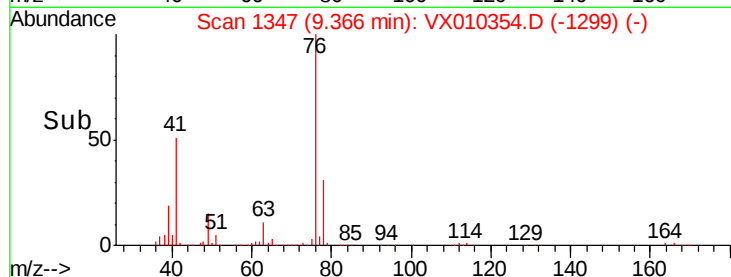
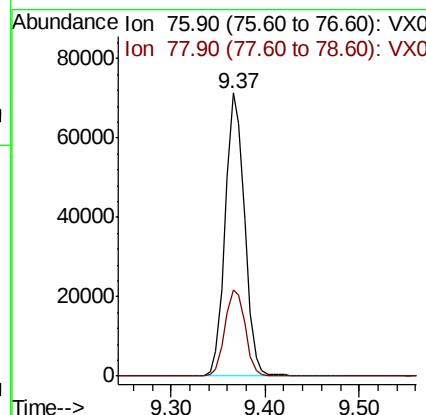
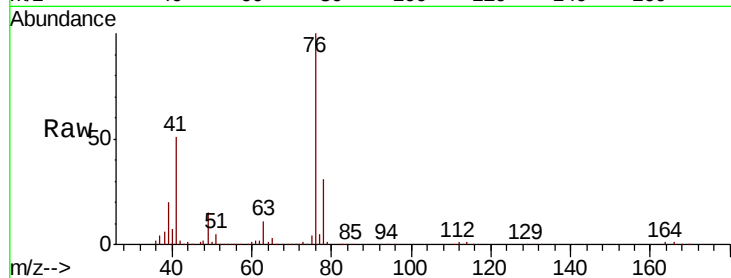




#57
 1,3-Dichloropropane
 Concen: 20.332 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

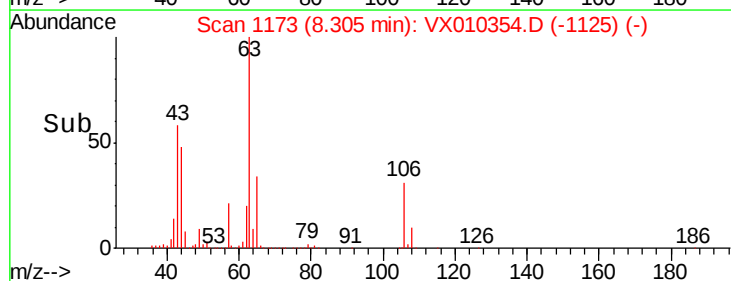
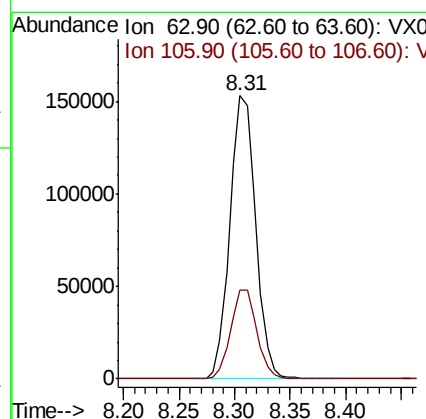
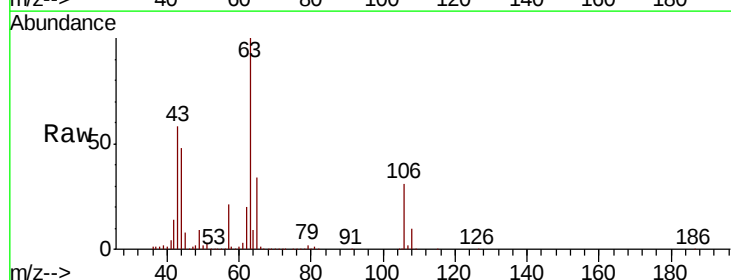
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 76 Resp: 101845
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.051 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Tgt Ion: 63 Resp: 246201
 Ion Ratio Lower Upper
 63 100
 106 31.6 24.7 37.1

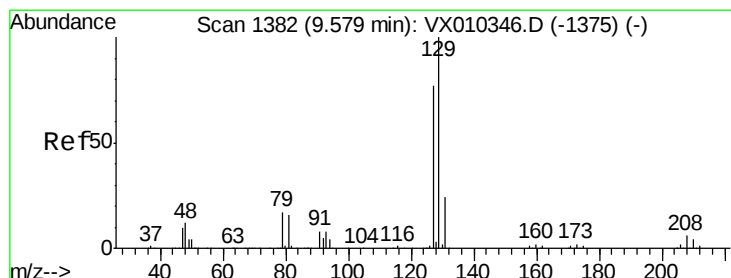
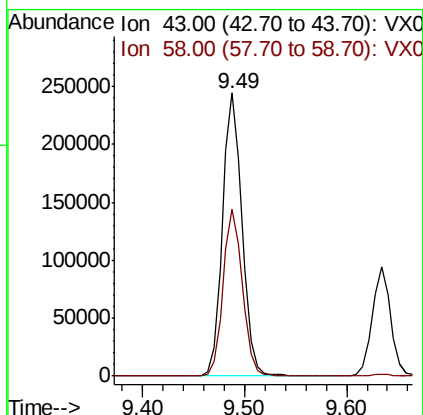
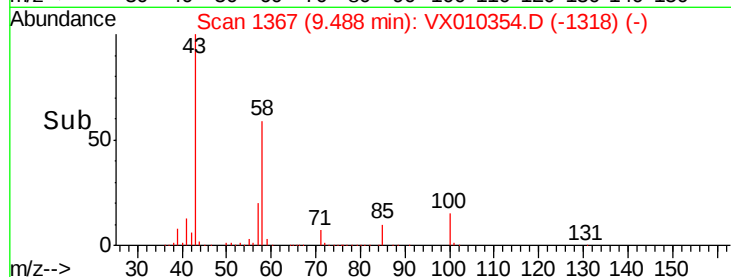
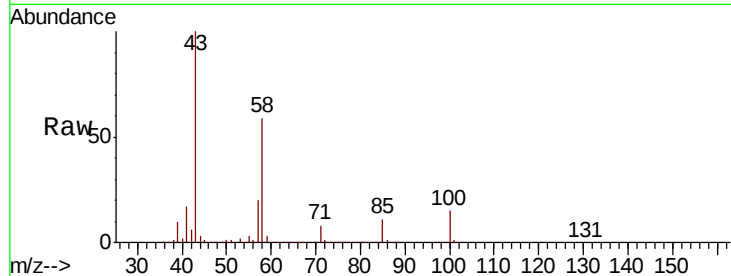




#59
2-Hexanone
Concen: 99.798 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

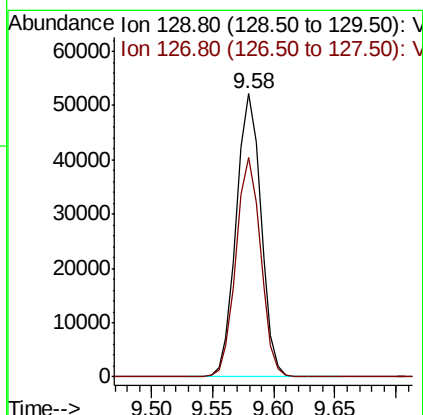
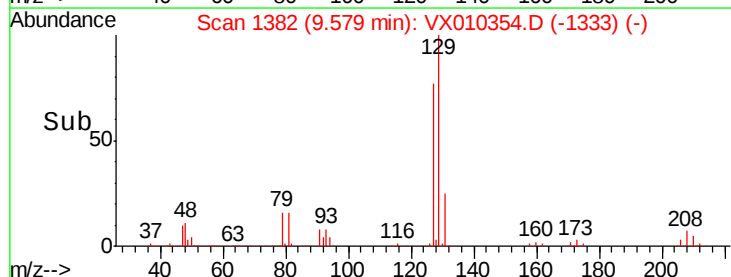
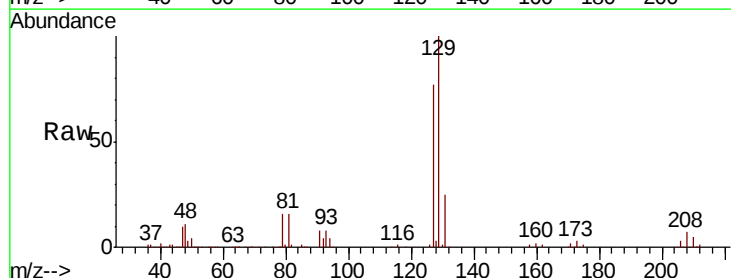
Instrument :
MSVOA_X
ClientSampleId :

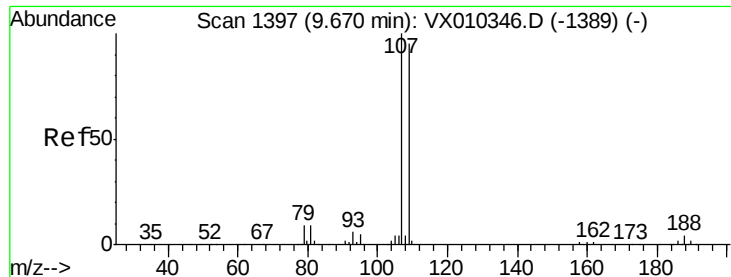
Tot Ion: 43 Resp: 326066
Ion Ratio Lower Upper
43 100
58 58.3 29.0 87.1



#60
Dibromochloromethane
Concen: 20.273 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion: 129 Resp: 73245
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.229 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

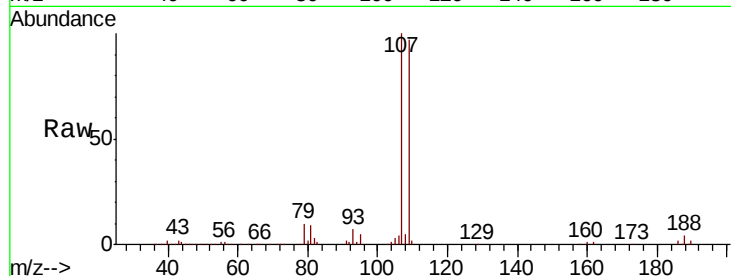
ClientSampled :

Tot Ion:107 Resp: 70458

Ion Ratio Lower Upper

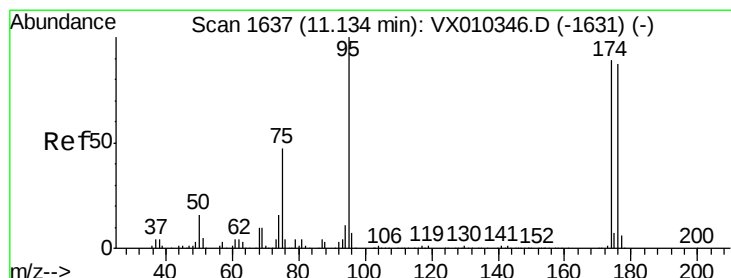
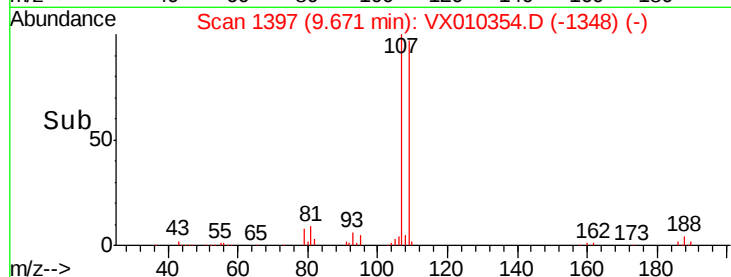
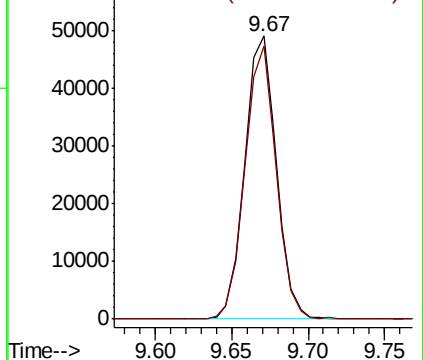
107 100

109 95.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.698 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

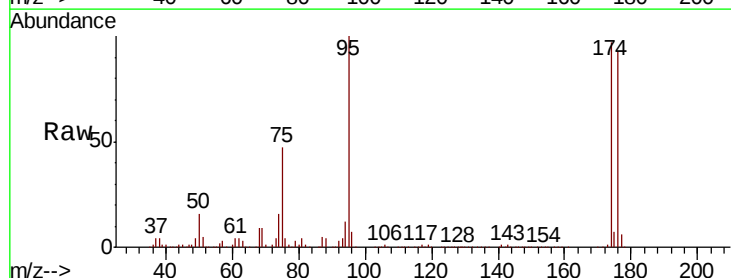
Tgt Ion: 95 Resp: 201551

Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.6

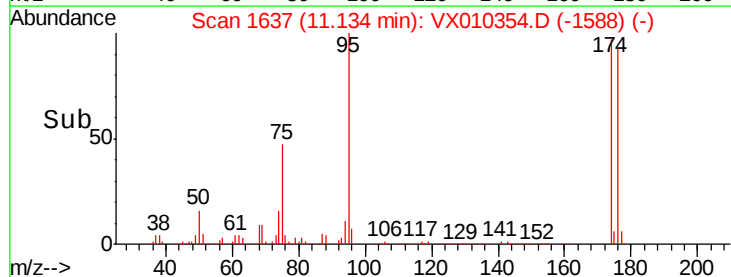
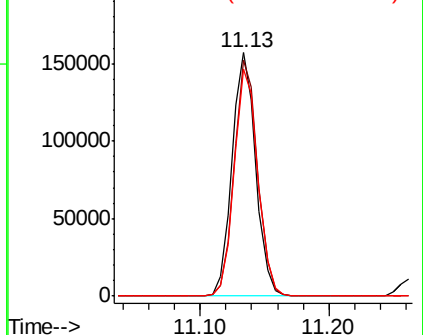
176 93.2 0.0 184.0

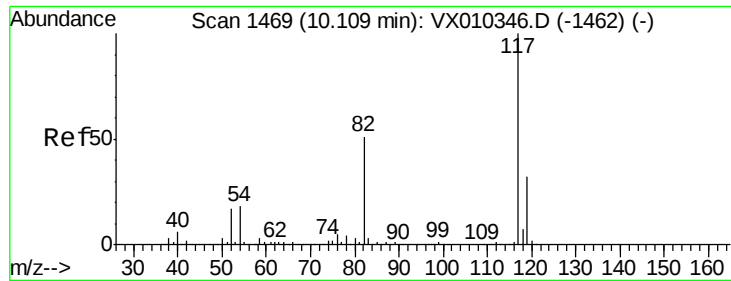


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

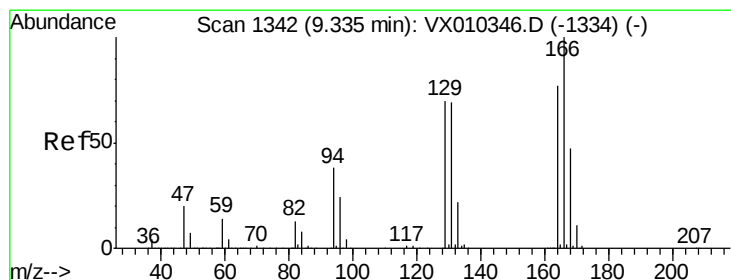
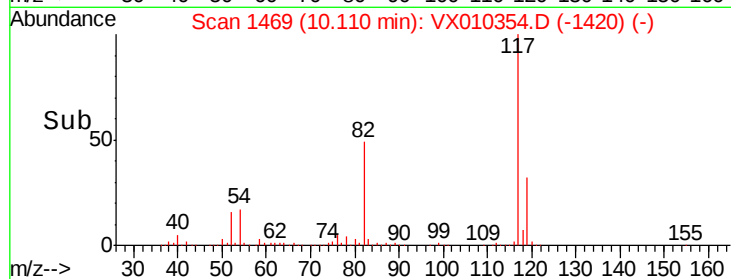
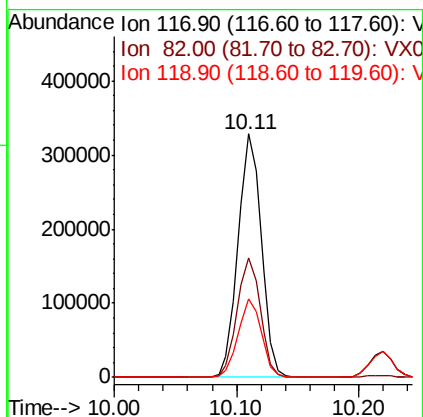
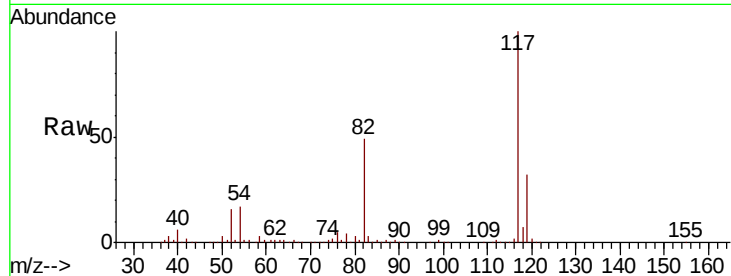




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

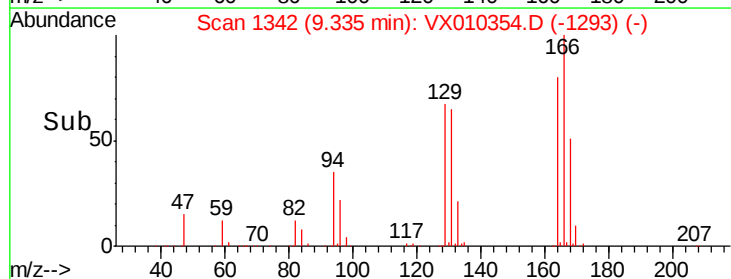
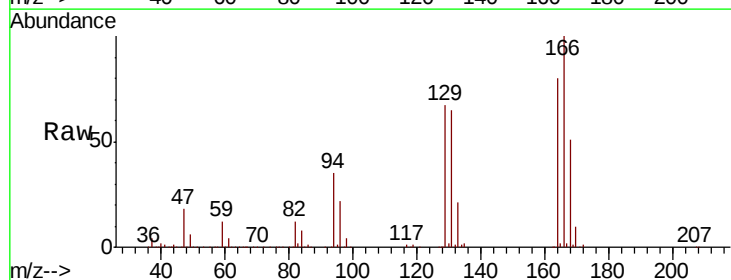
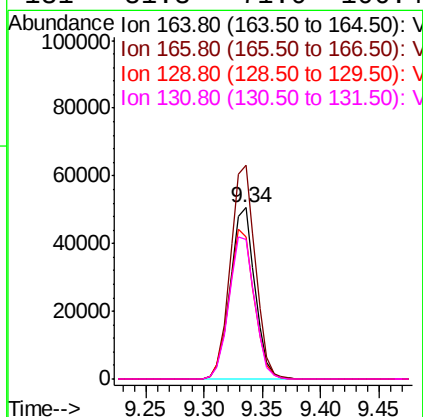
Instrument :
MSVOA_X
ClientSampled :

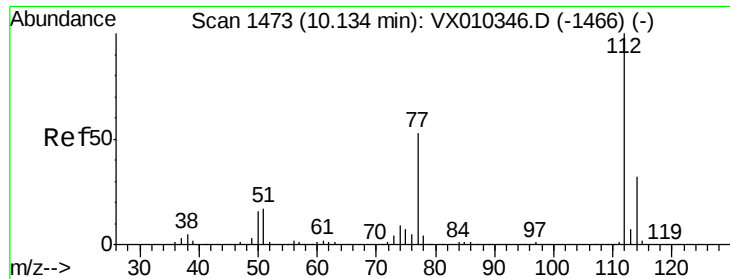
Tot Ion:117 Resp: 432864
Ion Ratio Lower Upper
117 100
82 48.9 41.2 61.8
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 21.254 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion:164 Resp: 74414
Ion Ratio Lower Upper
164 100
166 124.9 103.6 155.4
129 83.2 73.0 109.4
131 81.3 71.0 106.4

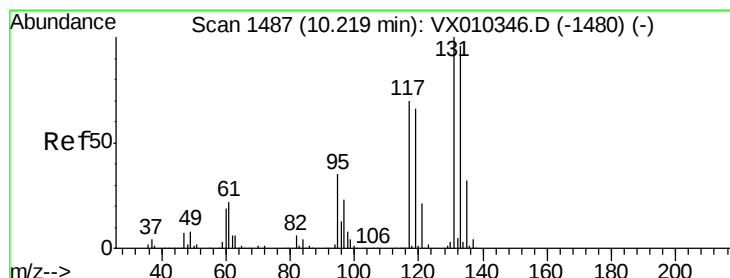
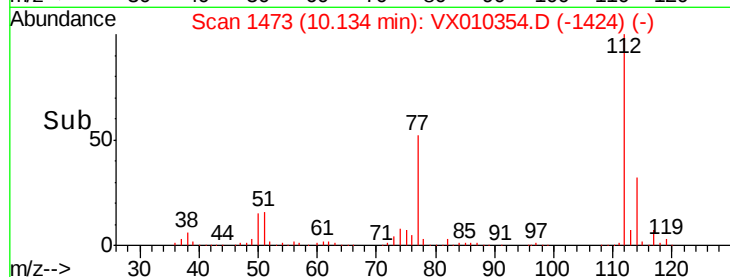
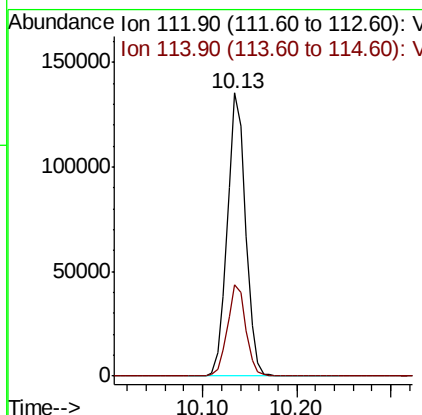
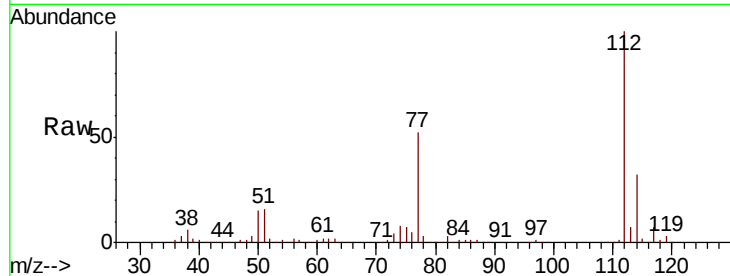




#65
Chlorobenzene
Concen: 20.724 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

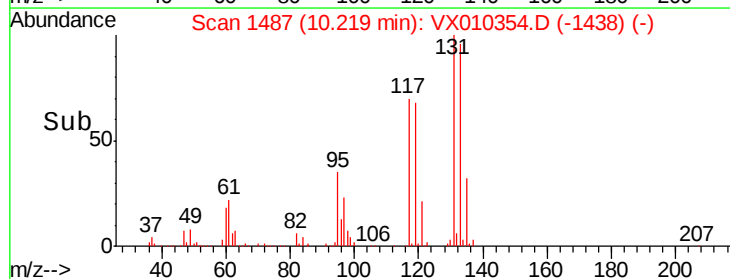
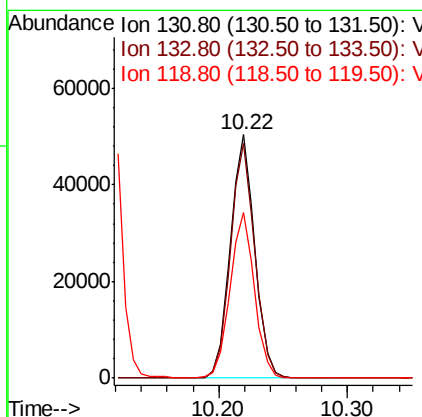
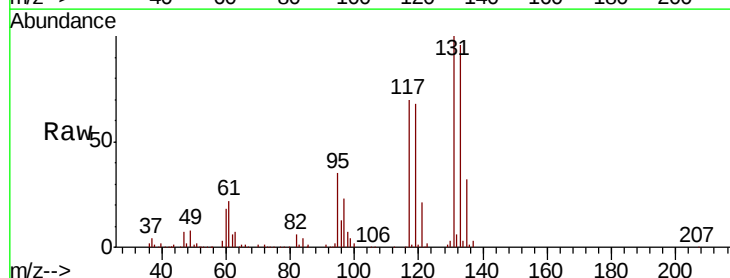
Instrument :
MSVOA_X
ClientSampled :

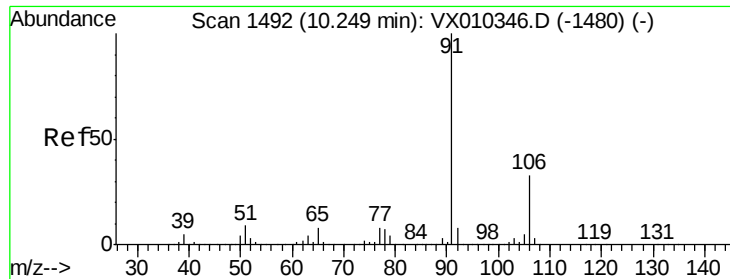
Tot Ion:112 Resp: 182122
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.805 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion:131 Resp: 66596
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 68.1 32.6 97.7





#67

Ethyl Benzene

Concen: 20.779 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

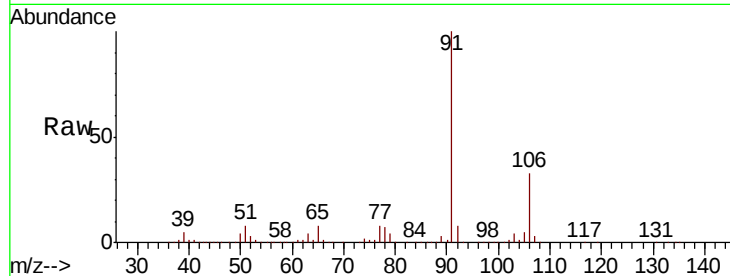
ClientSampleId :

Tot Ion: 91 Resp: 308273

Ion Ratio Lower Upper

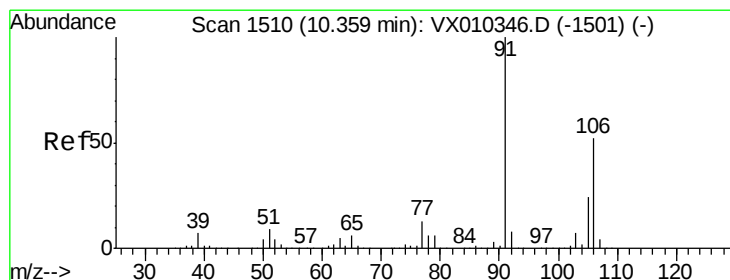
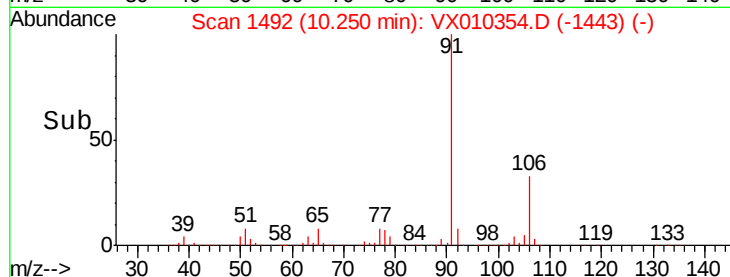
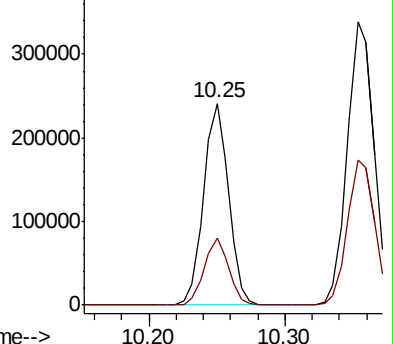
91 100

106 33.1 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.280 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010354.D

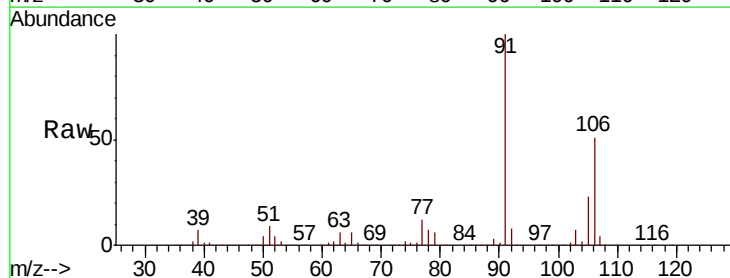
Acq: 20 Jun 2019 12:49

Tgt Ion: 106 Resp: 243050

Ion Ratio Lower Upper

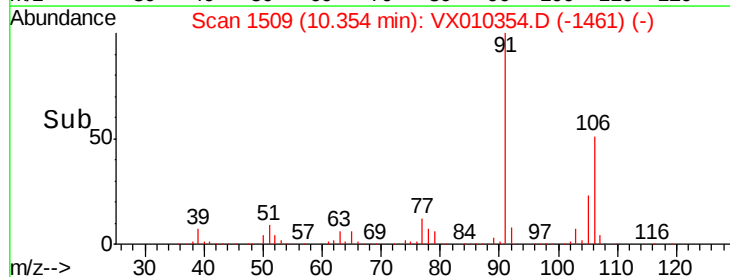
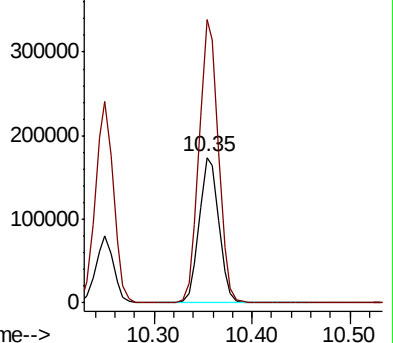
106 100

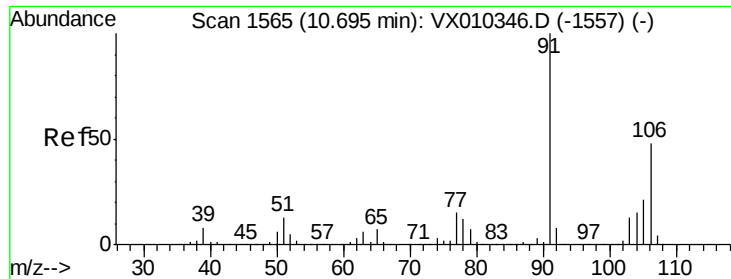
91 190.9 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

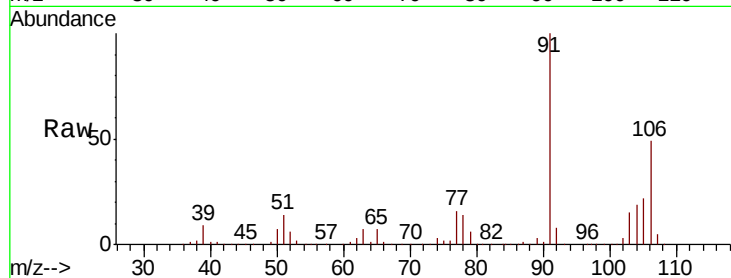




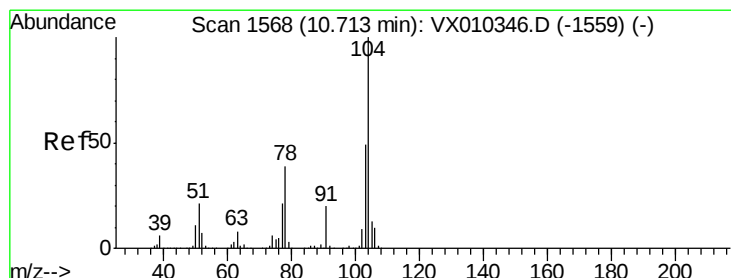
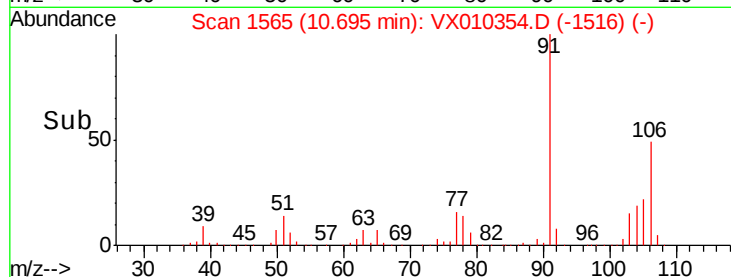
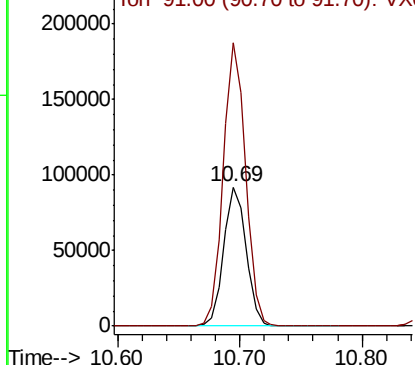
#69
o-Xylene
Concen: 20.843 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 117829
Ion Ratio Lower Upper
106 100
91 201.0 102.7 308.1

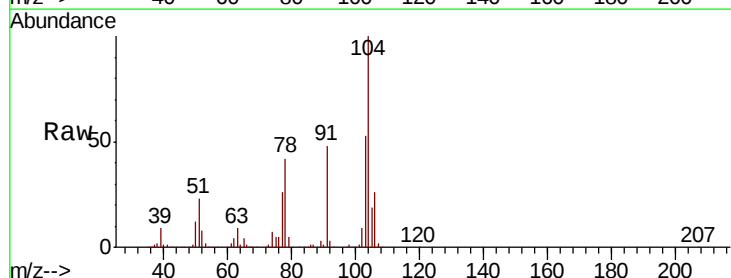


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

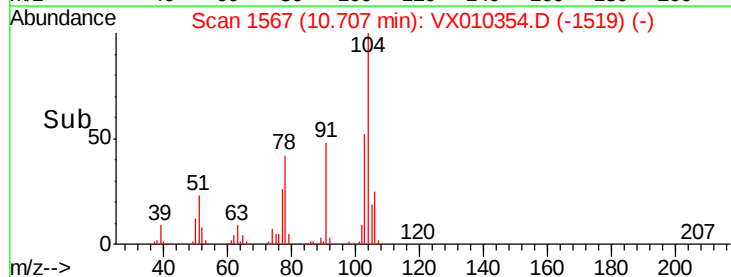
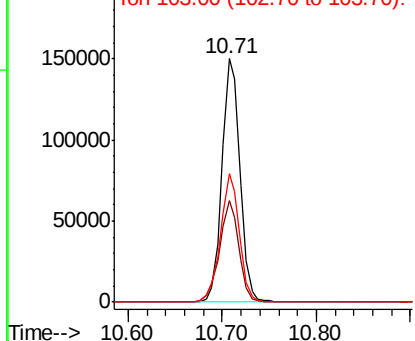


#70
Styrene
Concen: 20.951 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion:104 Resp: 198630
Ion Ratio Lower Upper
104 100
78 44.9 36.2 54.2
103 55.1 44.2 66.4



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





#71

Bromoform

Concen: 21.086 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

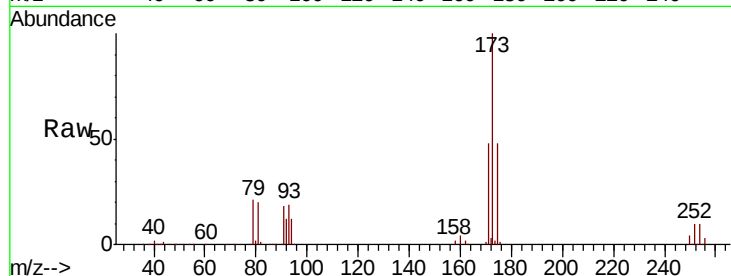
Tot Ion:173 Resp: 58697

Ion Ratio Lower Upper

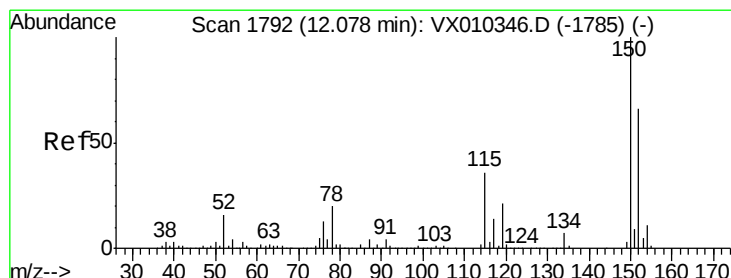
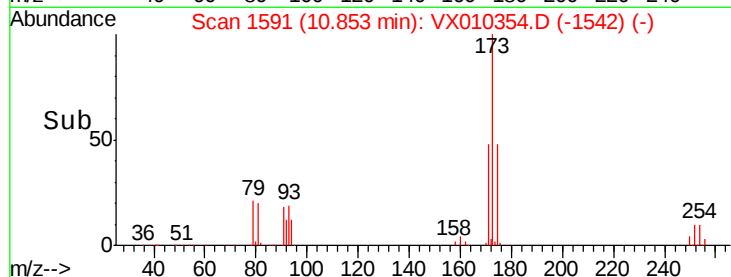
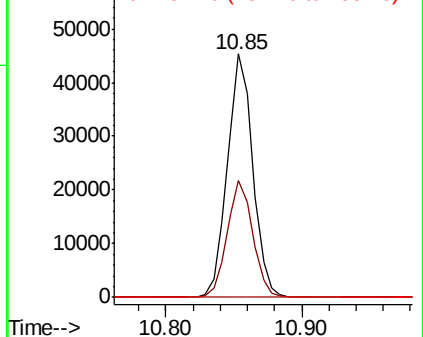
173 100

175 48.3 24.1 72.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

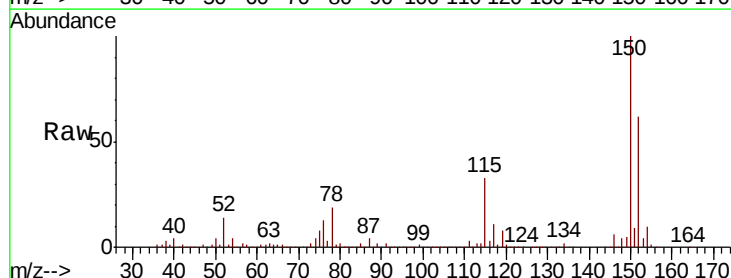
Tgt Ion:152 Resp: 223543

Ion Ratio Lower Upper

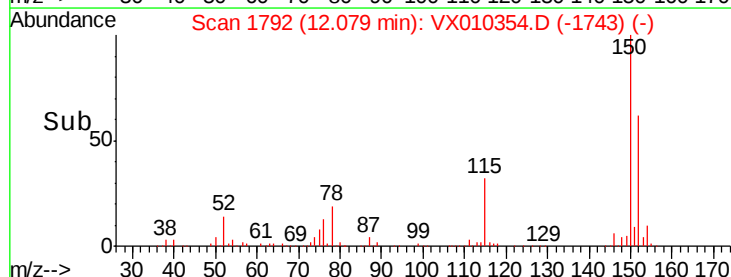
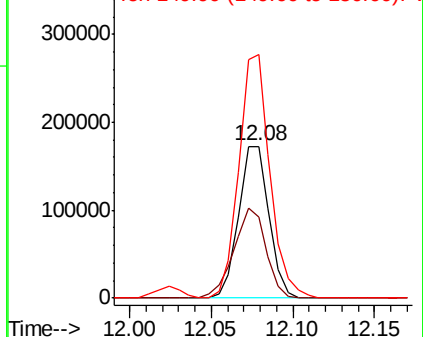
152 100

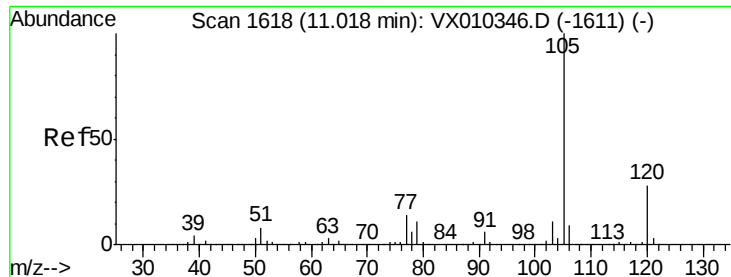
115 63.3 38.6 115.7

150 164.1 0.0 347.4



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: 20.834 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

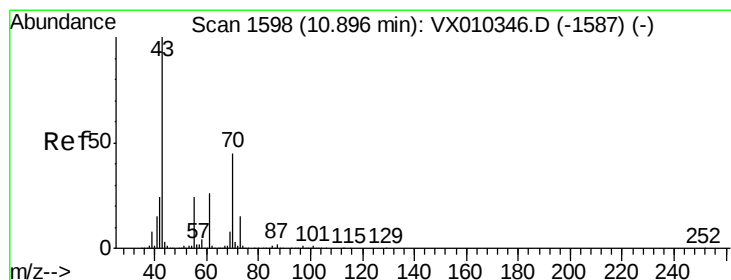
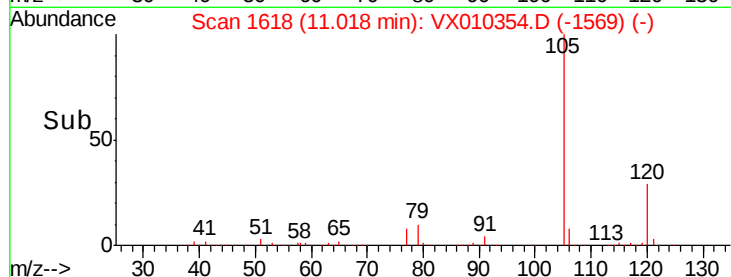
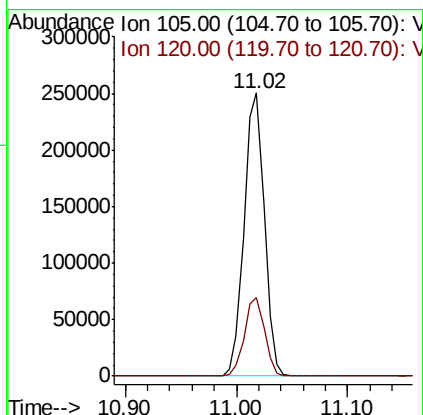
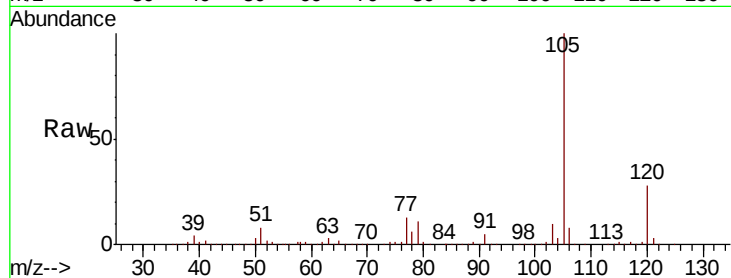
ClientSampleId :

Tot Ion:105 Resp: 315711

Ion Ratio Lower Upper

105 100

120 27.8 14.1 42.4



#74

N-ethyl acetate

Concen: 20.256 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Tgt Ion: 43 Resp: 116000

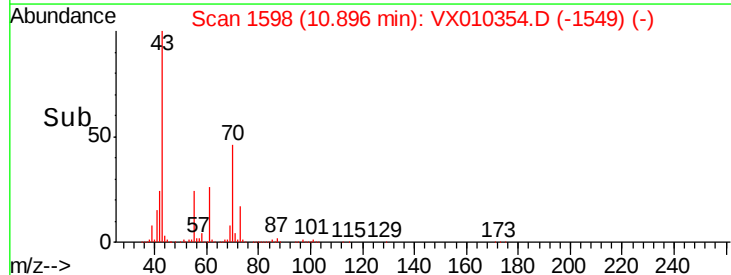
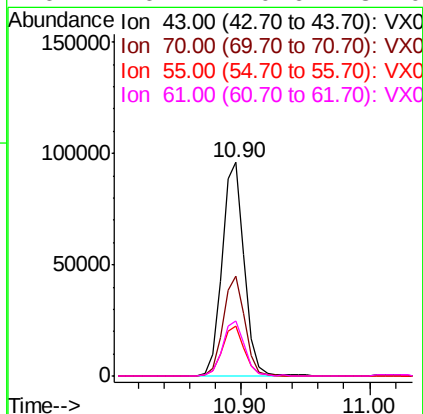
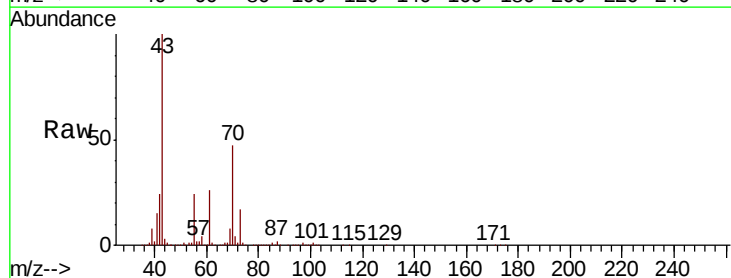
Ion Ratio Lower Upper

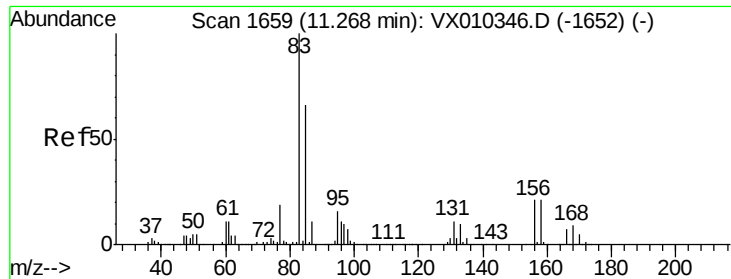
43 100

70 46.3 36.6 54.8

55 23.5 18.7 28.1

61 26.2 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.112 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampled :

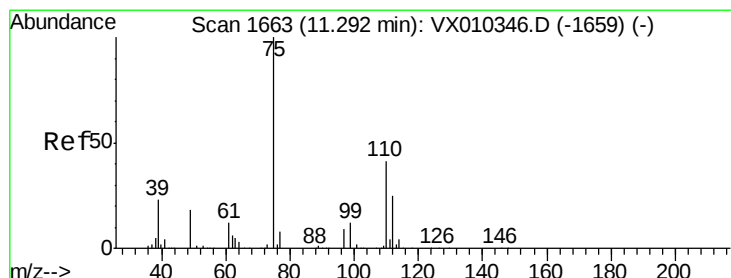
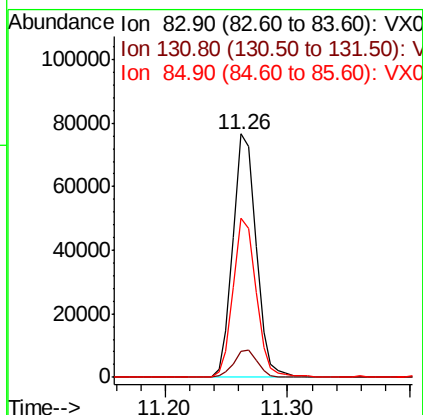
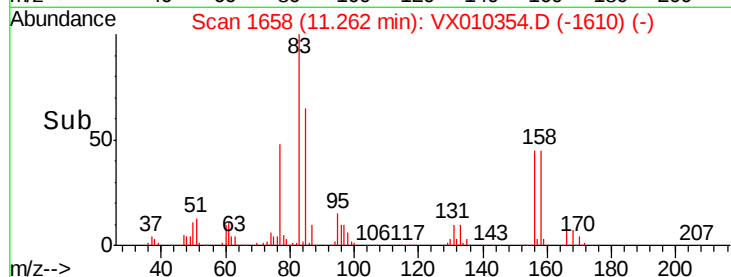
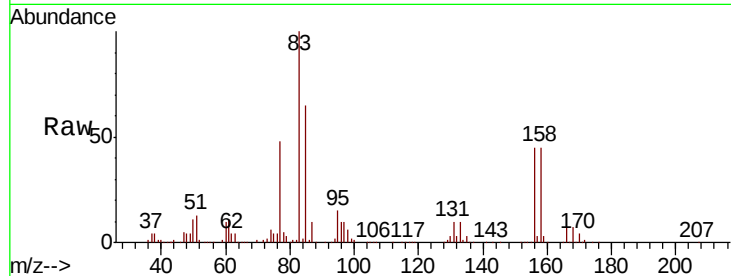
Tot Ion: 83 Resp: 100932

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

85 65.0 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 27.646 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010354.D

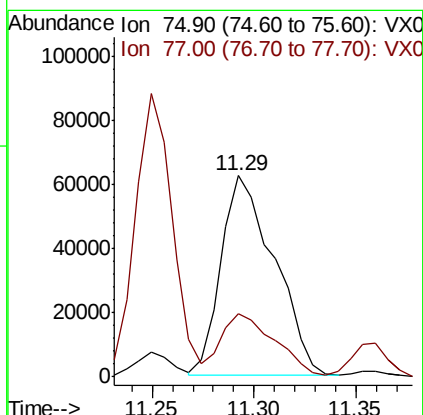
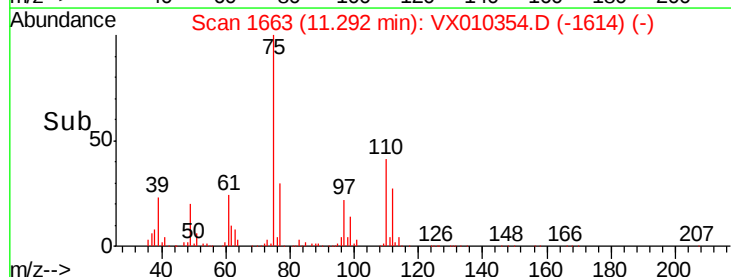
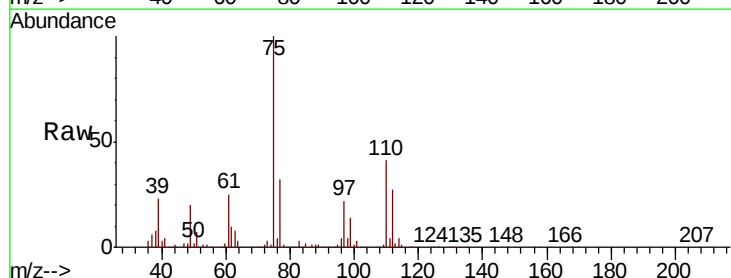
Acq: 20 Jun 2019 12:49

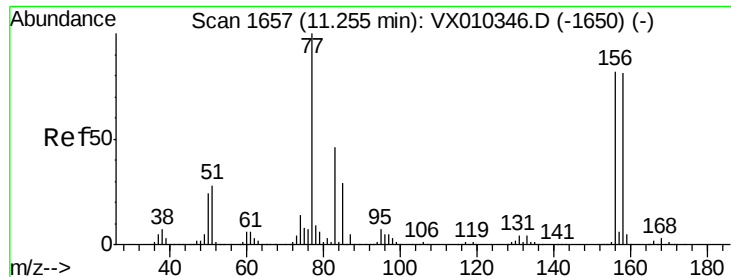
Tgt Ion: 75 Resp: 112616

Ion Ratio Lower Upper

75 100

77 32.3 22.6 67.8





#77

Bromobenzene

Concen: 20.095 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

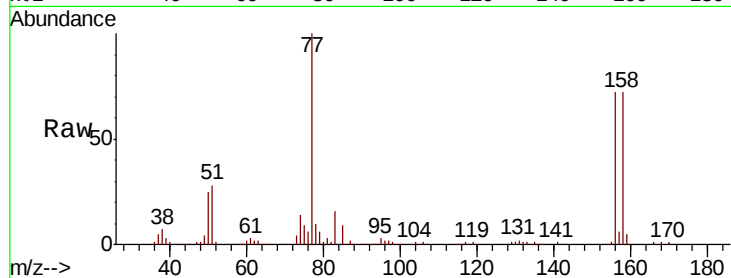
Tot Ion:156 Resp: 85028

Ion Ratio Lower Upper

156 100

77 131.4 66.3 198.7

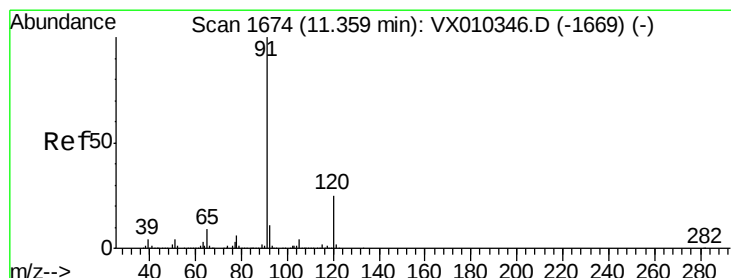
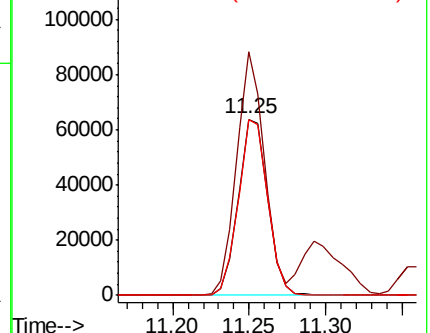
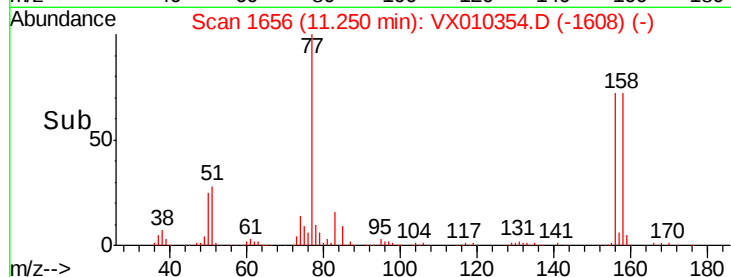
158 99.5 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.022 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010354.D

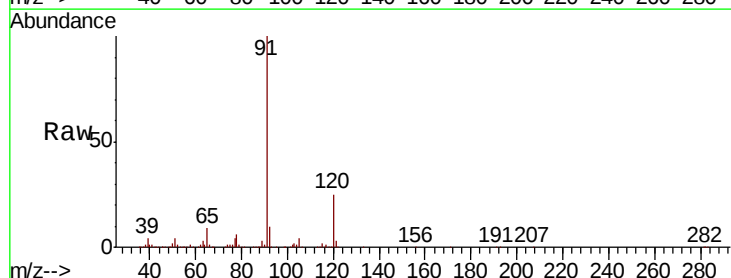
Acq: 20 Jun 2019 12:49

Tgt Ion: 91 Resp: 350107

Ion Ratio Lower Upper

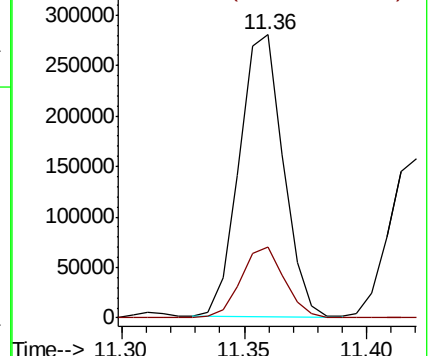
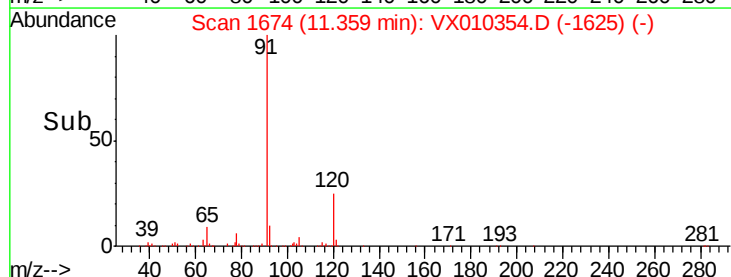
91 100

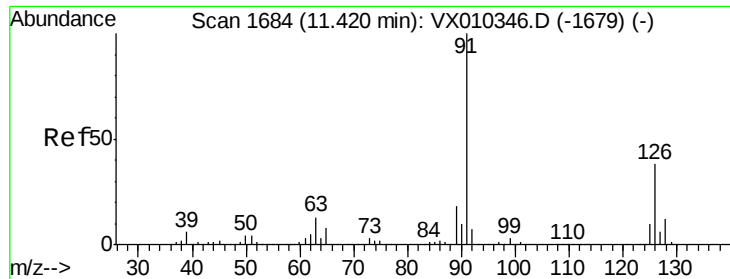
120 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.238 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

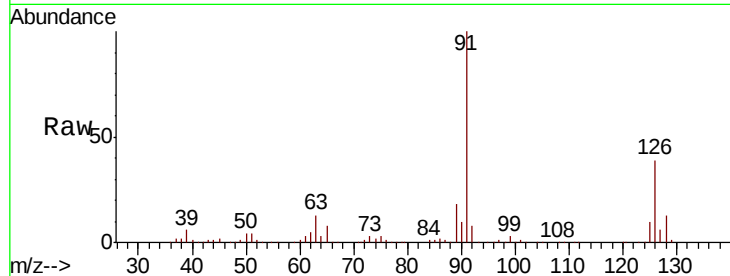
ClientSampleId :

Tot Ion: 91 Resp: 200701

Ion Ratio Lower Upper

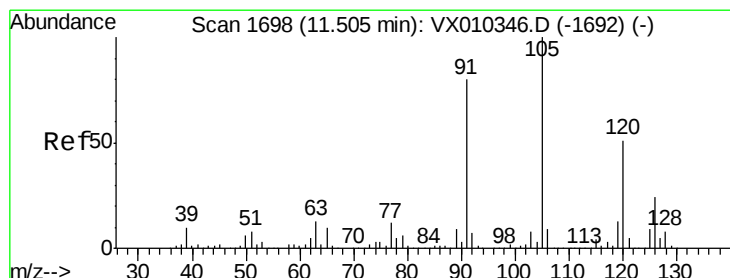
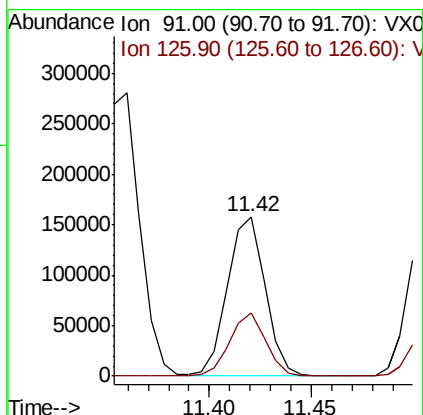
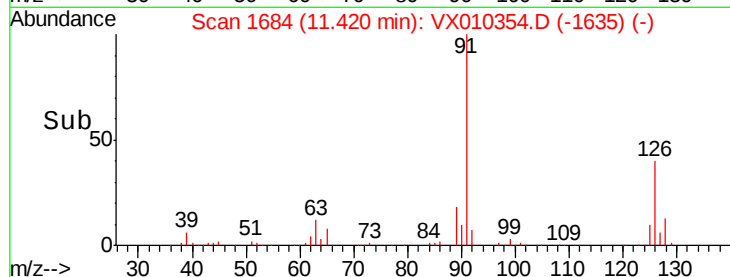
91 100

126 38.1 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX010354.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010354.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.846 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010354.D

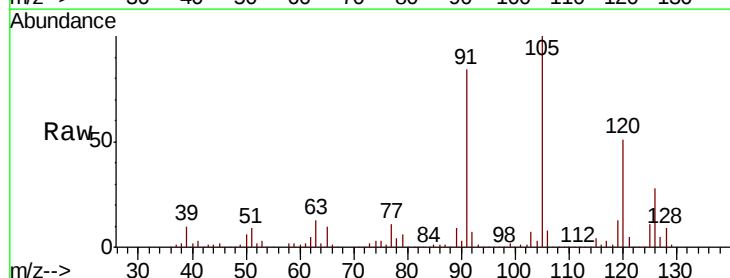
Acq: 20 Jun 2019 12:49

Tgt Ion: 105 Resp: 260414

Ion Ratio Lower Upper

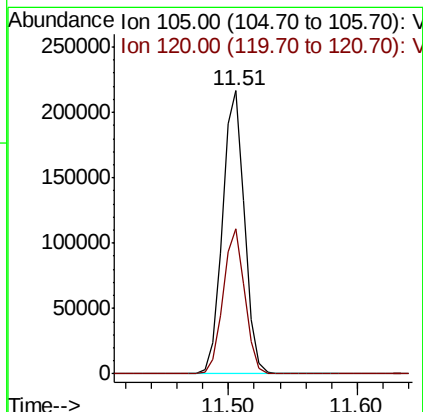
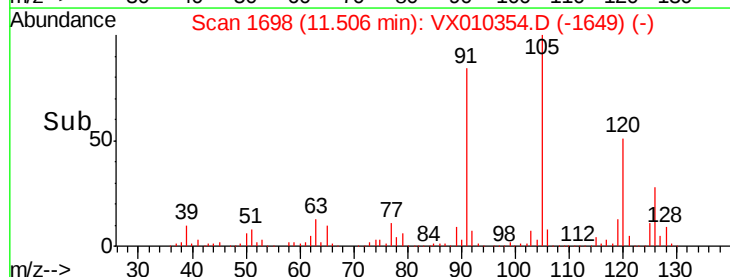
105 100

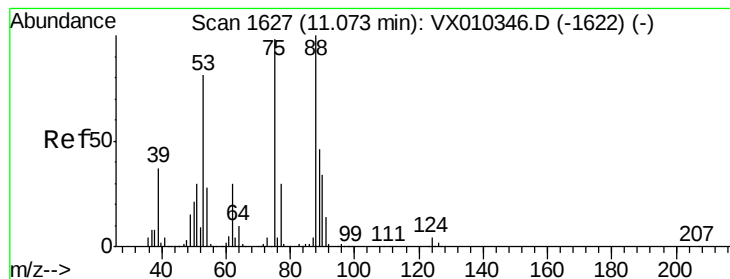
120 50.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010354.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010354.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.808 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

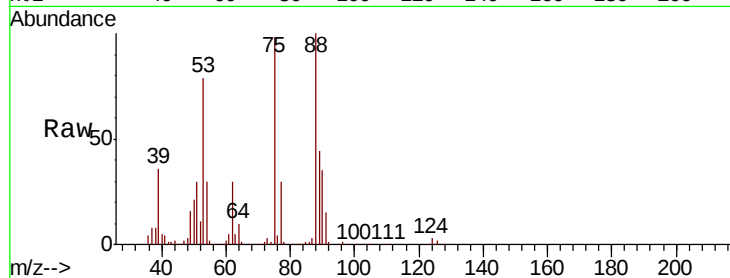
Tot Ion: 75 Resp: 34587

Ion Ratio Lower Upper

75 100

53 81.2 66.1 99.1

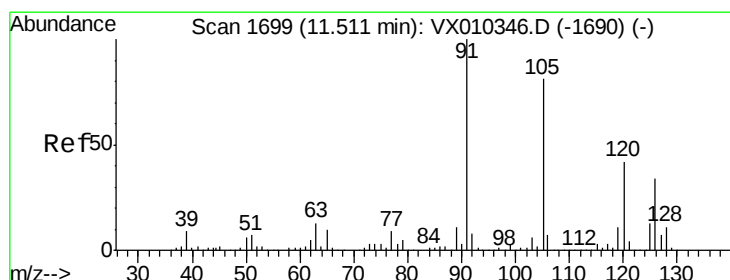
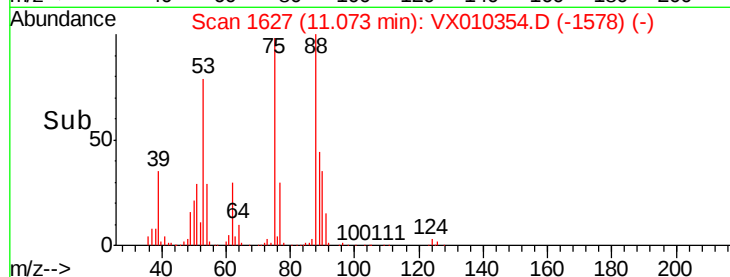
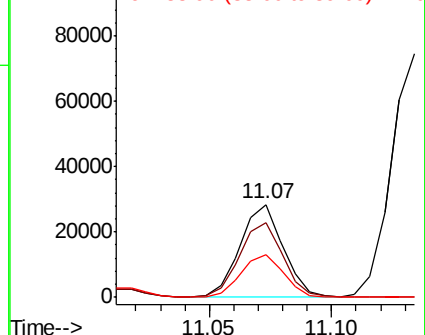
89 46.3 37.8 56.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.749 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010354.D

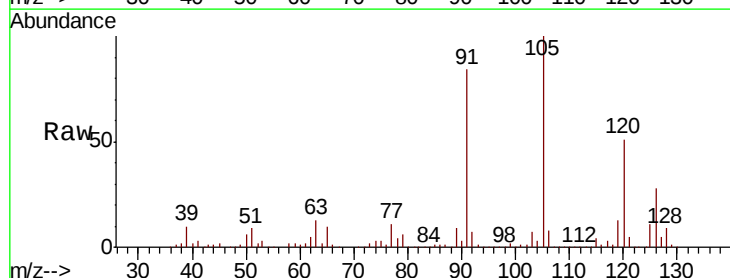
Acq: 20 Jun 2019 12:49

Tgt Ion: 91 Resp: 234145

Ion Ratio Lower Upper

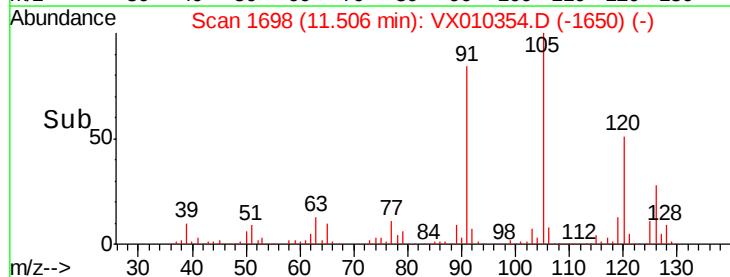
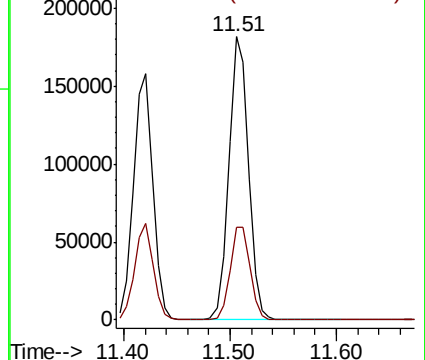
91 100

126 33.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

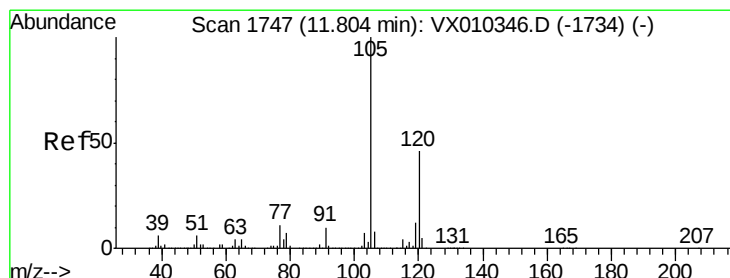
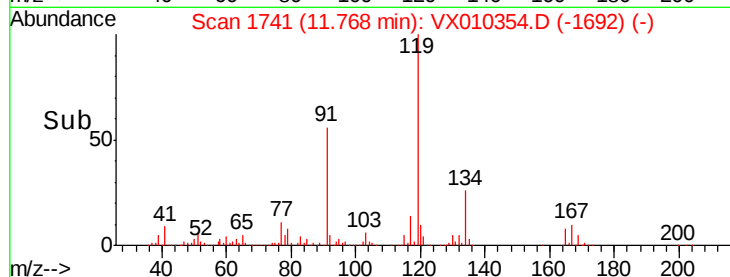
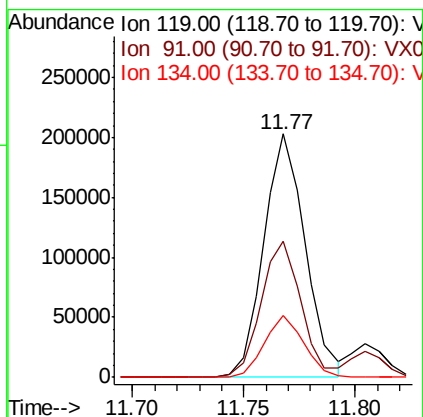
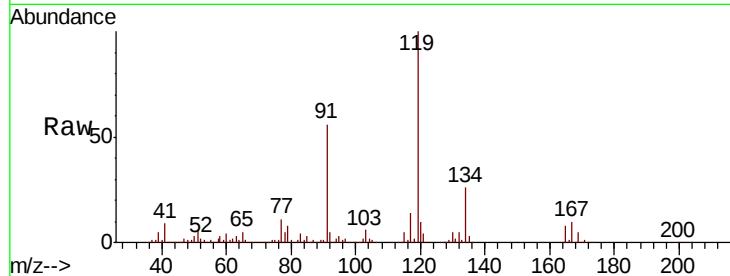




#83
tert-Butylbenzene
Concen: 20.884 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

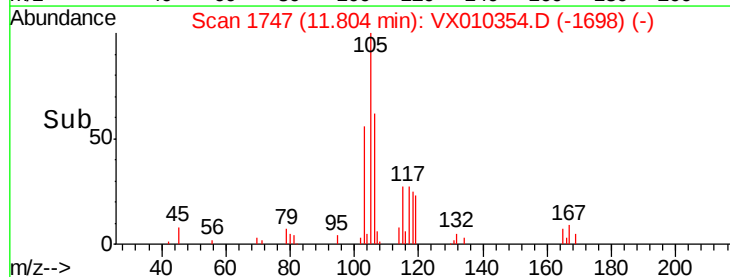
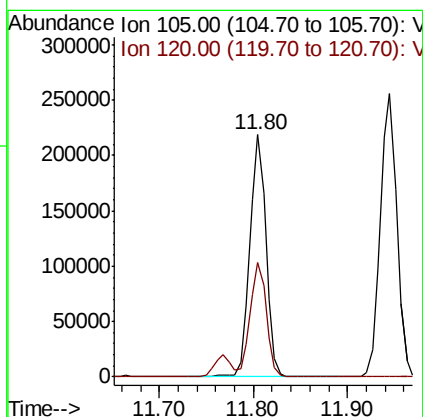
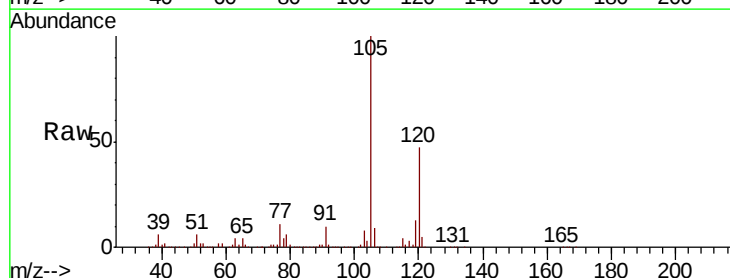
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:119 Resp: 261850
Ion Ratio Lower Upper
119 100
91 54.5 27.6 82.7
134 24.1 11.8 35.4



#84
1,2,4-Trimethylbenzene
Concen: 21.032 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010354.D
Acq: 20 Jun 2019 12:49

Tgt Ion:105 Resp: 263964
Ion Ratio Lower Upper
105 100
120 47.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 21.202 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

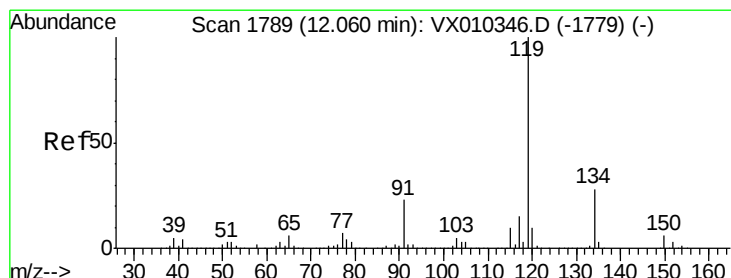
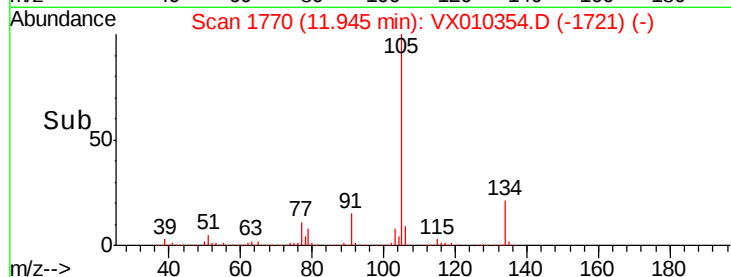
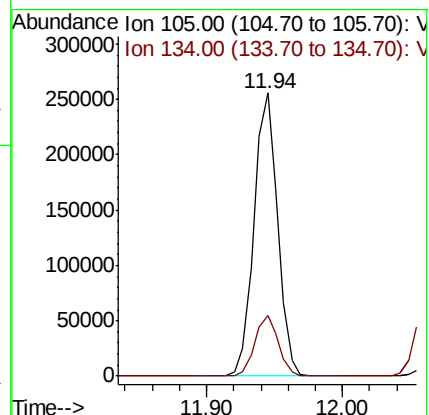
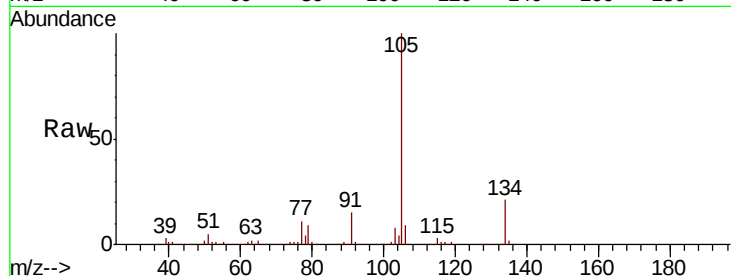
ClientSampled :

Tot Ion:105 Resp: 312125

Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9



#86

p-Isopropyltoluene

Concen: 21.477 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

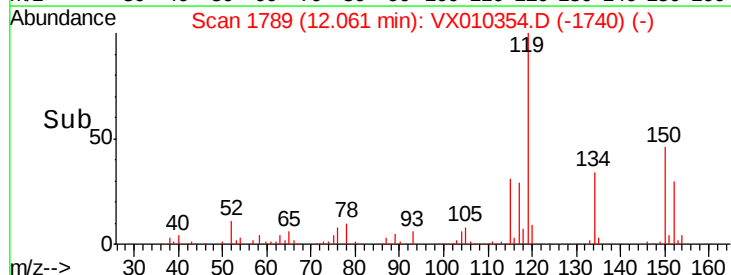
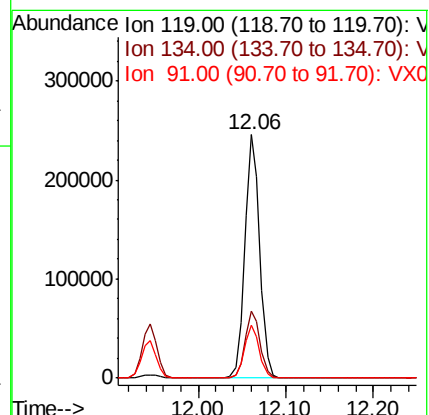
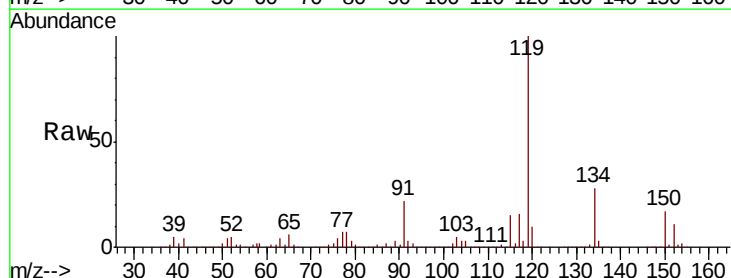
Tgt Ion:119 Resp: 292457

Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.1

91 22.0 11.3 33.8

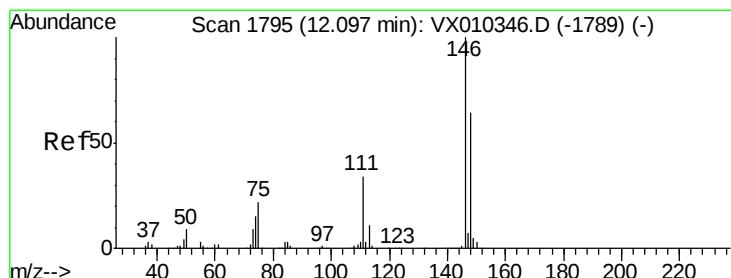
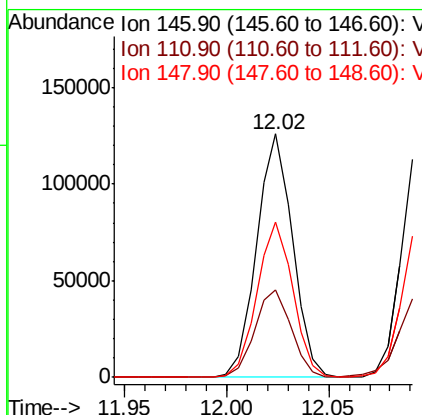
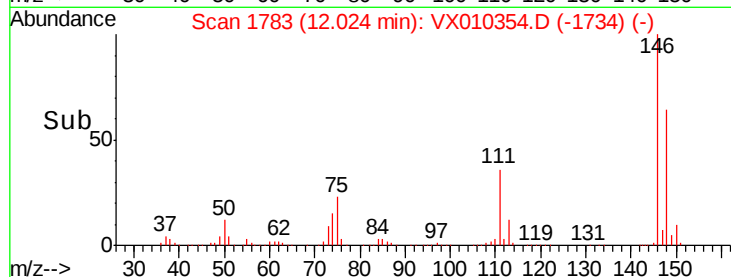
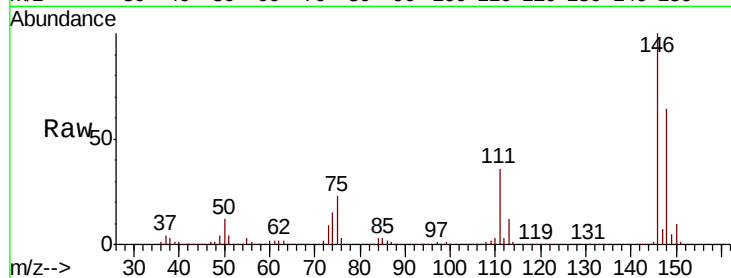




#87
 1,3-Dichlorobenzene
 Concen: 20.910 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

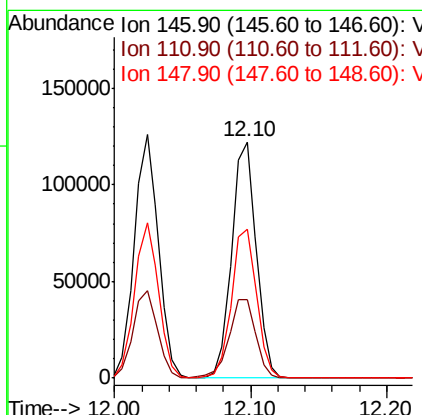
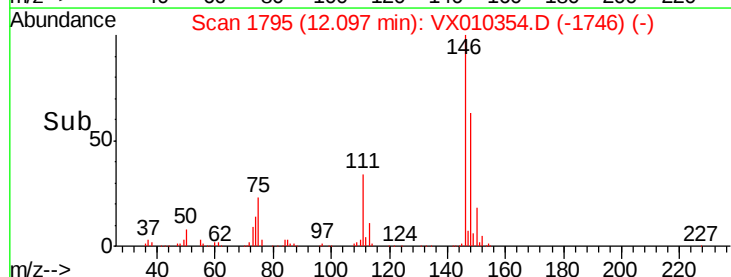
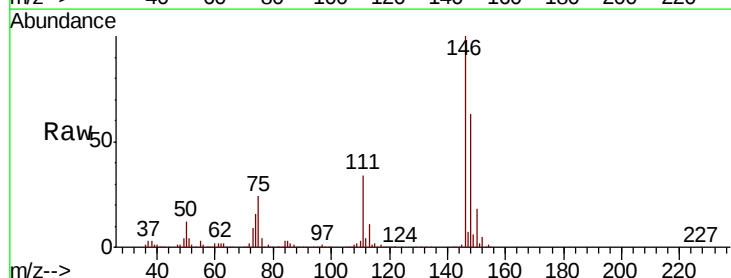
Instrument :
 MSVOA_X
 ClientSampleId :

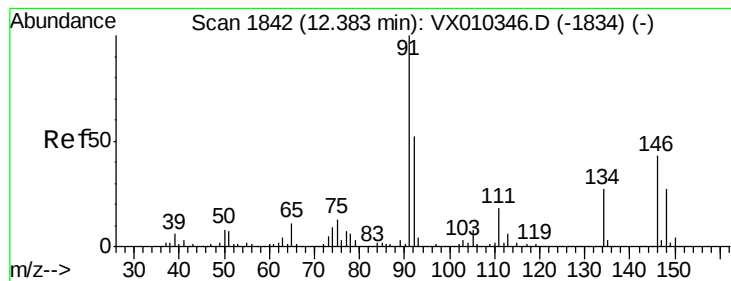
Tot Ion:146 Resp: 154440
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.1 57.1
 148 63.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 20.339 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Tgt Ion:146 Resp: 152937
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.3
 148 64.4 32.1 96.3





#89

n-Butylbenzene

Concen: 21.440 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampled :

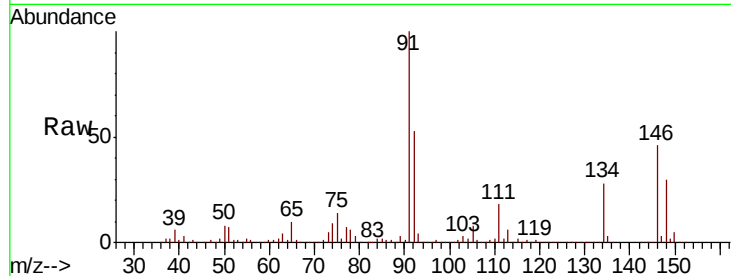
Tot Ion: 91 Resp: 248081

Ion Ratio Lower Upper

91 100

92 52.3 26.2 78.5

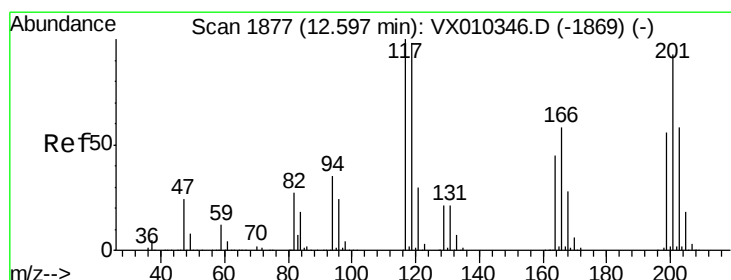
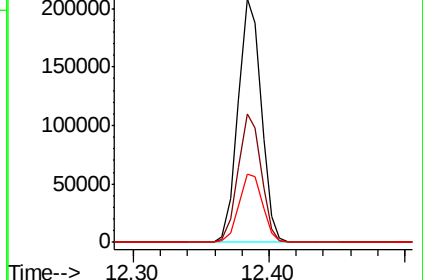
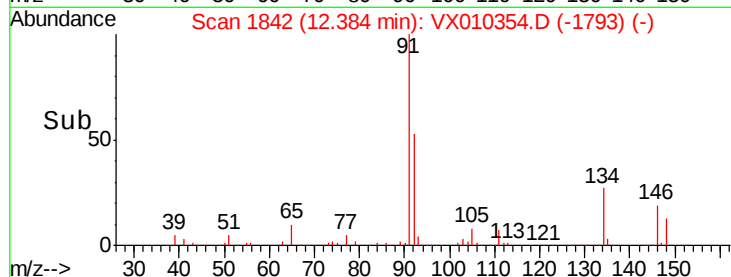
134 28.4 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.584 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX010354.D

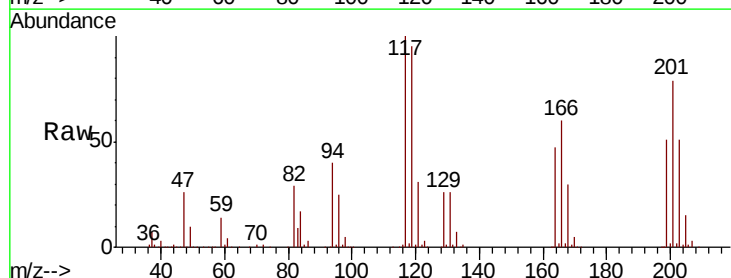
Acq: 20 Jun 2019 12:49

Tgt Ion: 117 Resp: 48466

Ion Ratio Lower Upper

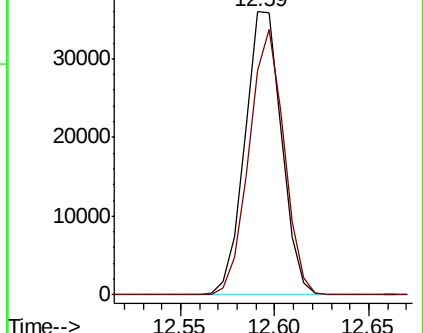
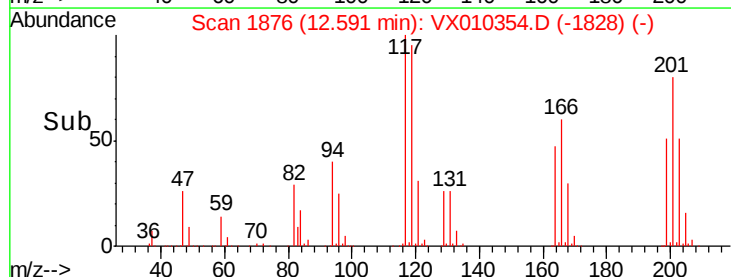
117 100

201 89.5 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.537 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

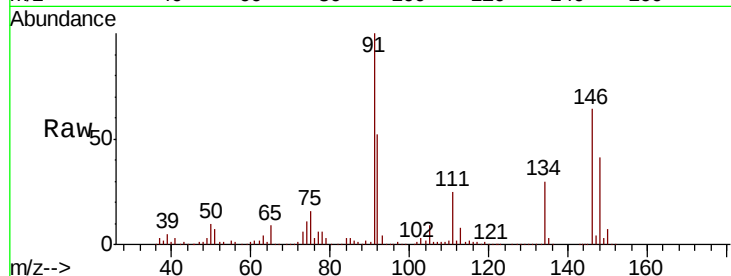
Tot Ion:146 Resp: 150755

Ion Ratio Lower Upper

146 100

111 38.1 19.2 57.6

148 64.7 32.0 96.0

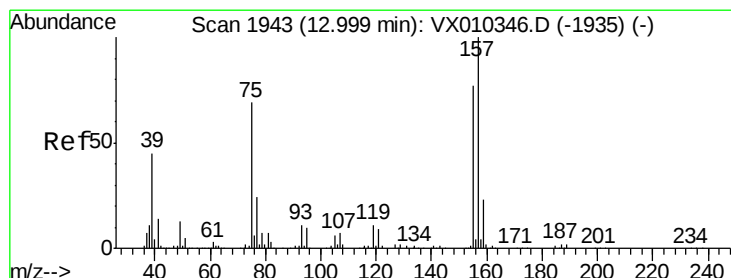
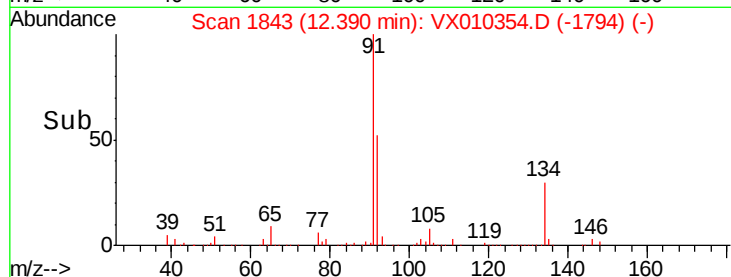
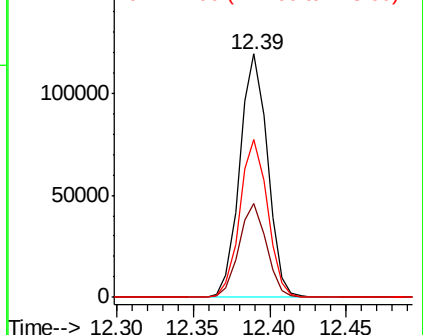


Abundance

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: 19.092 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

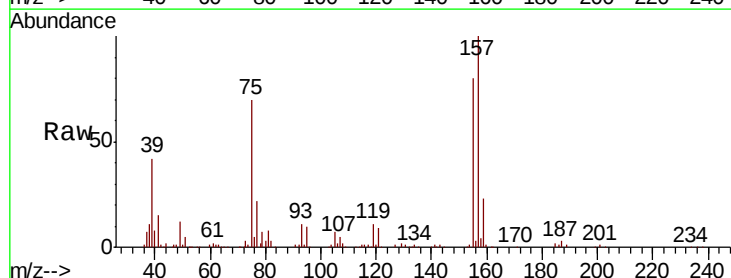
Tgt Ion: 75 Resp: 20657

Ion Ratio Lower Upper

75 100

155 109.5 54.4 163.1

157 141.0 69.5 208.3

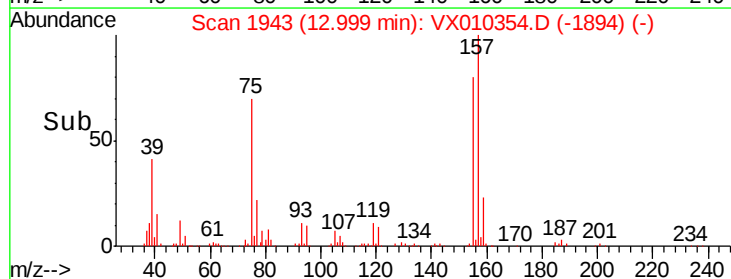
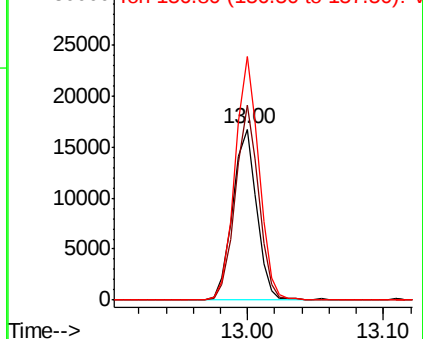


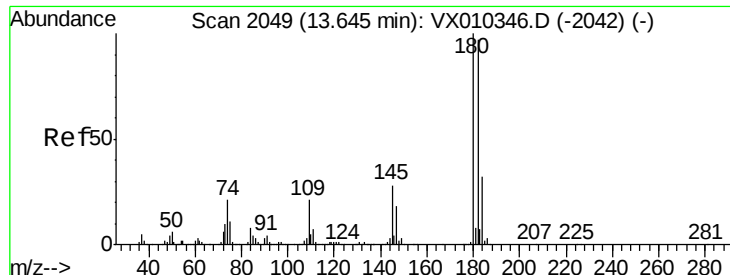
Abundance

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

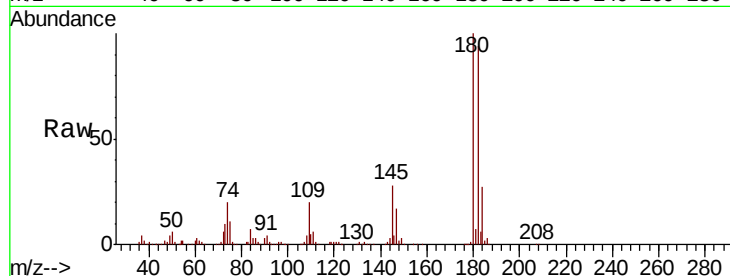




#93
 1,2,4-Trichlorobenzene
 Concen: 21.631 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.0
145	28.7	14.4	43.4

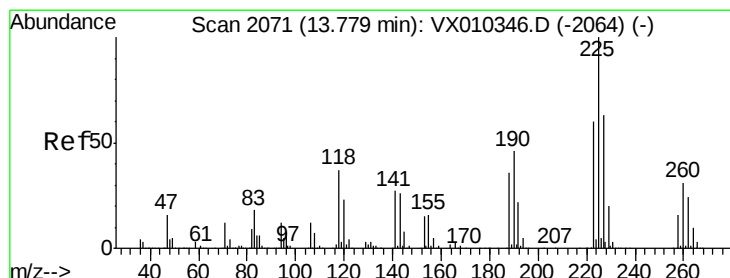
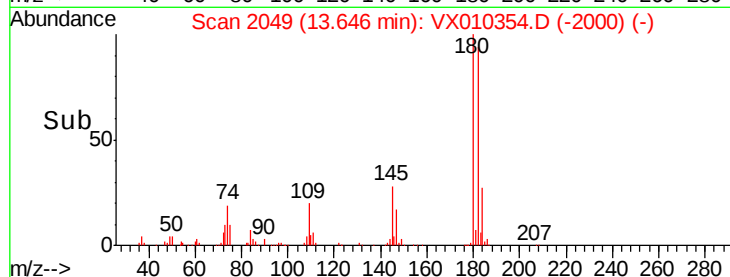
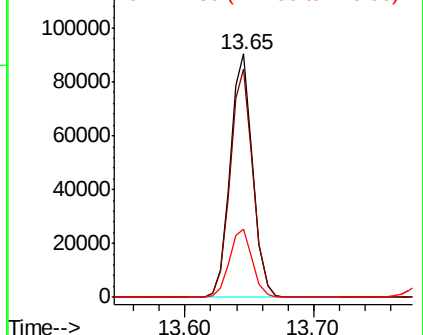


Abundance

Ion 179.80 (179.50 to 180.50): V

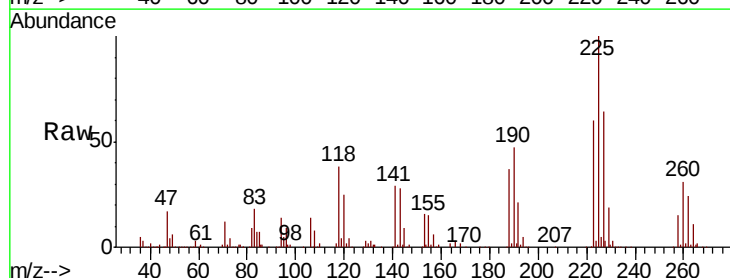
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.714 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010354.D
 Acq: 20 Jun 2019 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.9	92.7
227	64.0	31.9	95.5

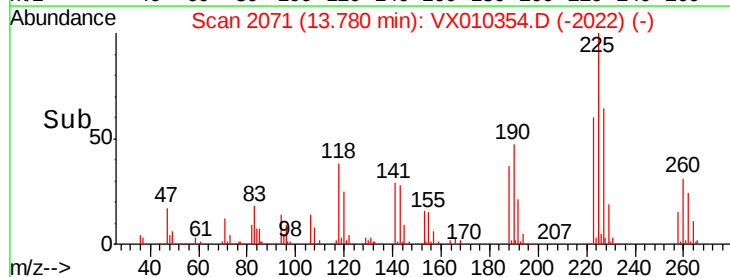
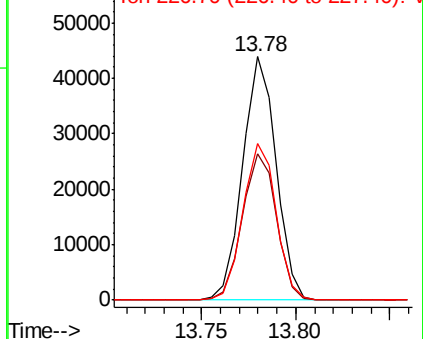


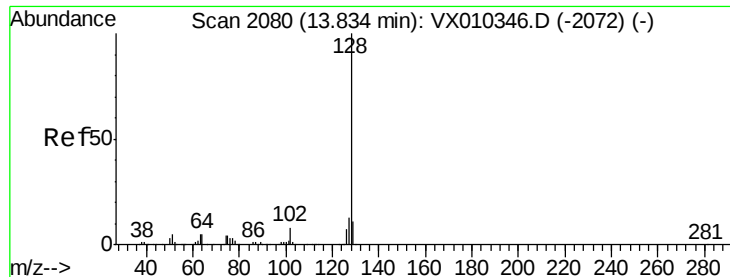
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.927 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

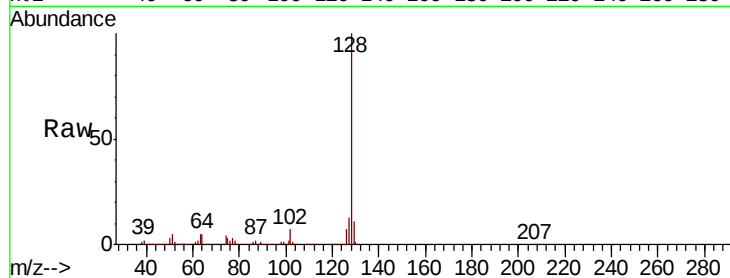
Tot Ion:128 Resp: 327385

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

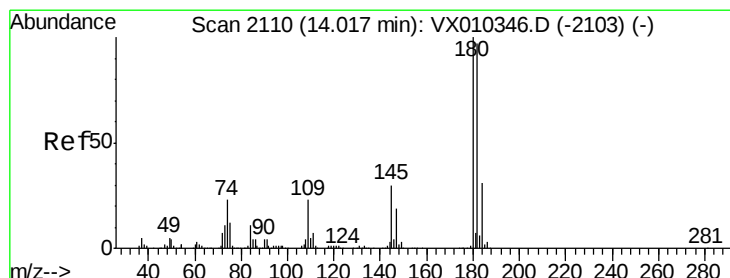
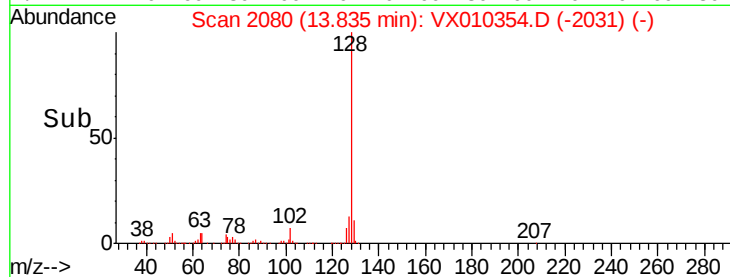
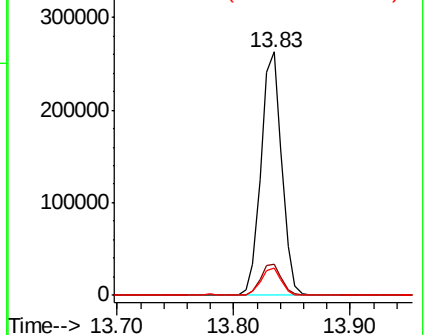
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.344 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010354.D

Acq: 20 Jun 2019 12:49

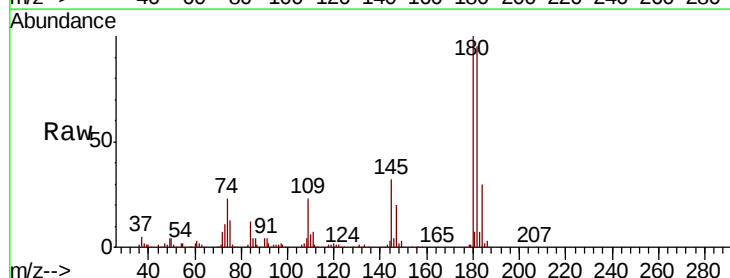
Tgt Ion:180 Resp: 108033

Ion Ratio Lower Upper

180 100

182 94.3 47.8 143.3

145 30.5 15.2 45.6



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

