

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000228.D
 Acq On : 08 Mar 2018 18:54
 Operator : JC/MD
 Sample : VX0308MBSD01
 Misc : 5.00µg/10mL/100µL5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 09 04:13:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	132033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	225932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	229098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	127747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	94091	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	5.52	113	71021	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	8.73	98	293066	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.15	95	112617	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27793	19.32	ug/l	97
3) Chloromethane	1.32	50	28450	20.26	ug/l	98
4) Vinyl Chloride	1.41	62	33478	20.45	ug/l	99
5) Bromomethane	1.64	94	30043	16.93	ug/l	99
6) Chloroethane	1.73	64	22874	22.15	ug/l	94
7) Trichlorofluoromethane	1.93	101	59956	22.08	ug/l	98
8) Diethyl Ether	2.20	74	21495	21.57	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31569	20.81	ug/l	99
10) Methyl Iodide	2.52	142	25888	18.38	ug/l	98
11) Tert butyl alcohol	3.08	59	73464	109.24	ug/l	99
12) 1,1-Dichloroethene	2.38	96	30200	21.69	ug/l	93
13) Acrolein	2.30	56	44572	126.06	ug/l	97
14) Allyl chloride	2.73	41	55158	21.44	ug/l	99
15) Acrylonitrile	3.16	53	131653	112.49	ug/l	99
16) Acetone	2.45	43	151211	115.04	ug/l	99
17) Carbon Disulfide	2.57	76	79199	20.76	ug/l	100
18) Methyl Acetate	2.79	43	62261	22.24	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	108427	21.86	ug/l	99
20) Methylene Chloride	2.86	84	34268	21.86	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	32863	21.46	ug/l	97
22) Diisopropyl ether	3.89	45	80731	18.27	ug/l	94
23) Vinyl Acetate	3.84	43	387310	90.97	ug/l	99
24) 1,1-Dichloroethane	3.71	63	53233	19.66	ug/l	99
25) 2-Butanone	4.72	43	173171	106.76	ug/l	98
26) 2,2-Dichloropropane	4.60	77	38843	19.62	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	29540	20.34	ug/l	99
28) Bromochloromethane	5.04	49	25027	21.74	ug/l	99
29) Tetrahydrofuran	5.18	42	106415	104.45	ug/l	99
30) Chloroform	5.23	83	52721	20.14	ug/l	97
31) Cyclohexane	5.59	56	41381	20.66	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	47323	20.85	ug/l	98
36) 1,1-Dichloropropene	5.81	75	39821	19.81	ug/l	99
37) Ethyl Acetate	4.88	43	58148	20.01	ug/l	99
38) Carbon Tetrachloride	5.79	117	39767	19.55	ug/l	93

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 ClientSampleId :

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	46163	18.71	ug/l	92
40) Benzene	6.15	78	115017	19.84	ug/l	100
41) Methacrylonitrile	5.08	41	28694	19.38	ug/l	99
42) 1,2-Dichloroethane	6.21	62	45985	20.22	ug/l	99
43) Isopropyl Acetate	6.48	43	82078	19.54	ug/l	99
44) Trichloroethene	7.23	130	32731	19.72	ug/l	99
45) 1,2-Dichloropropane	7.53	63	30394	20.70	ug/l	97
46) Dibromomethane	7.67	93	22759	19.59	ug/l	97
47) Bromodichloromethane	7.91	83	41690	20.40	ug/l	95
48) Methyl methacrylate	7.79	41	40702	19.67	ug/l	97
49) 1,4-Dioxane	7.77	88	19935	424.44	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	324536	102.36	ug/l	98
52) Toluene	8.79	92	79852	20.09	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	47370	19.67	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	46705	20.05	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	32497	20.19	ug/l	97
56) Ethyl methacrylate	9.19	69	49611	20.60	ug/l	98
57) 1,3-Dichloropropane	9.38	76	53726	19.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	121343	99.78	ug/l	99
59) 2-Hexanone	9.51	43	277319	102.58	ug/l	98
60) Dibromochloromethane	9.59	129	33884	19.97	ug/l	97
61) 1,2-Dibromoethane	9.68	107	36110	20.20	ug/l	98
64) Tetrachloroethene	9.34	164	31509	19.66	ug/l	98
65) Chlorobenzene	10.15	112	92904	20.08	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	31305	19.79	ug/l	98
67) Ethyl Benzene	10.26	91	161357	19.98	ug/l	99
68) m/p-Xylenes	10.37	106	125291	40.32	ug/l	100
69) o-Xylene	10.71	106	60456	20.24	ug/l	100
70) Styrene	10.72	104	99069	19.99	ug/l	98
71) Bromoform	10.87	173	25459	17.90	ug/l #	96
73) Isopropylbenzene	11.02	105	166617	20.83	ug/l	98
74) N-amyl acetate	6.48	43	82078	20.06	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	59260	21.13	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	67176	26.23	ug/l	84
77) Bromobenzene	11.26	156	40869	19.76	ug/l	95
78) n-propylbenzene	11.37	91	193818	20.59	ug/l	99
79) 2-Chlorotoluene	11.43	91	111414	20.98	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	140016	20.97	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	15142	18.11	ug/l	95
82) 4-Chlorotoluene	11.52	91	136426	21.13	ug/l	97
83) tert-Butylbenzene	11.78	119	135061	20.79	ug/l	97
84) 1,2,4-Trimethylbenzene	11.82	105	144729	21.08	ug/l	99
85) sec-Butylbenzene	11.96	105	173325	21.09	ug/l	99
86) p-Isopropyltoluene	12.07	119	153689	21.21	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	80266	20.42	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	83053	20.16	ug/l	98
89) n-Butylbenzene	12.40	91	146681	21.01	ug/l	98
90) Hexachloroethane	12.60	117	22886	19.60	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	79925	20.53	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16696	21.20	ug/l	94

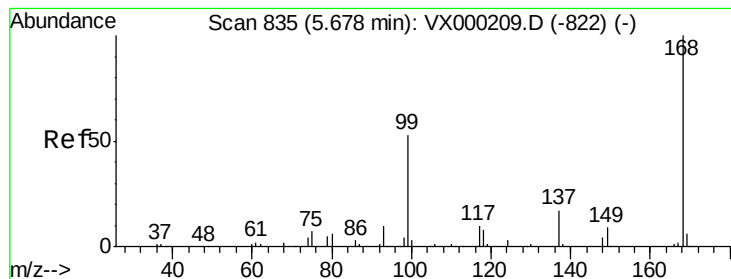
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	56416	19.92	ug/l	99
94) Hexachlorobutadiene	13.79	225	22881	19.42	ug/l	99
95) Naphthalene	13.84	128	205790	20.83	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	56882	20.31	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

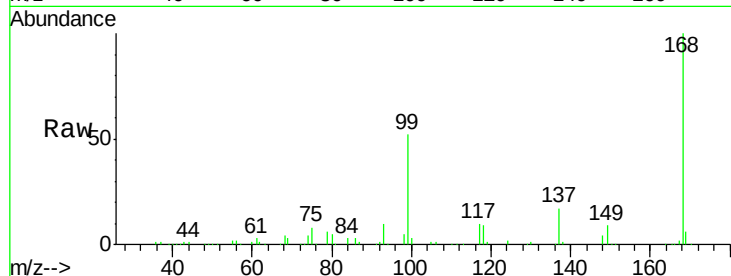
ClientSampleId :

Tot Ion:168 Resp: 132033

Ion Ratio Lower Upper

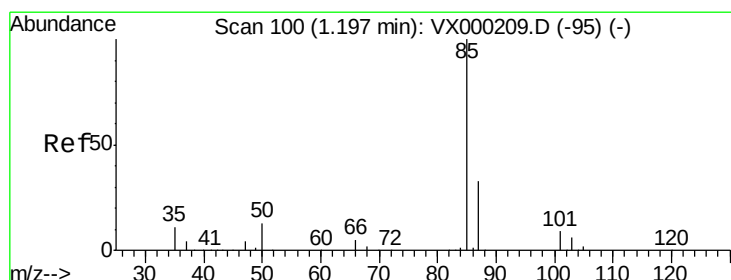
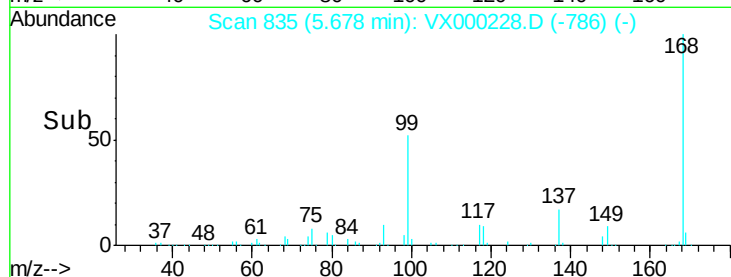
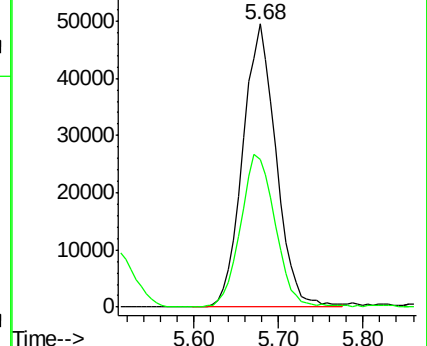
168 100

99 52.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000228.D

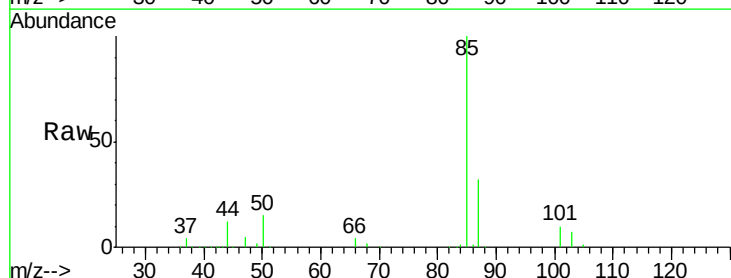
Acq: 08 Mar 2018 18:54

Tgt Ion: 85 Resp: 27793

Ion Ratio Lower Upper

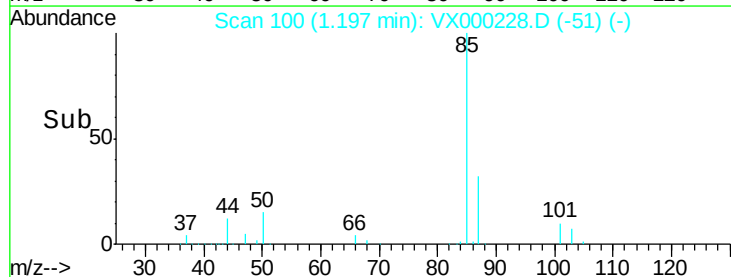
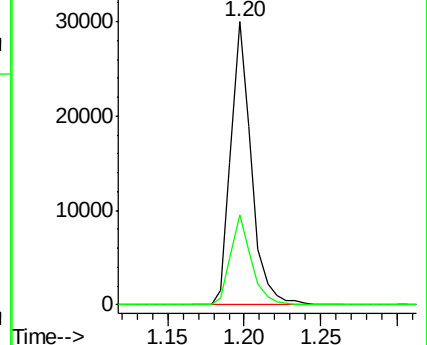
85 100

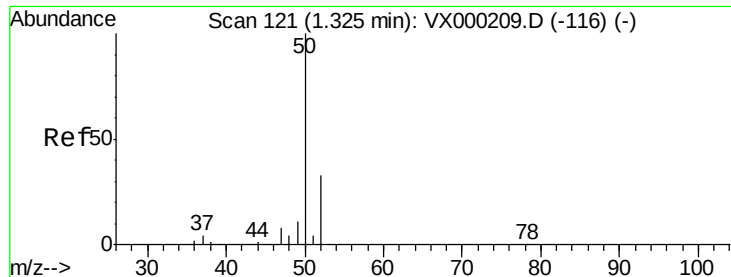
87 31.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

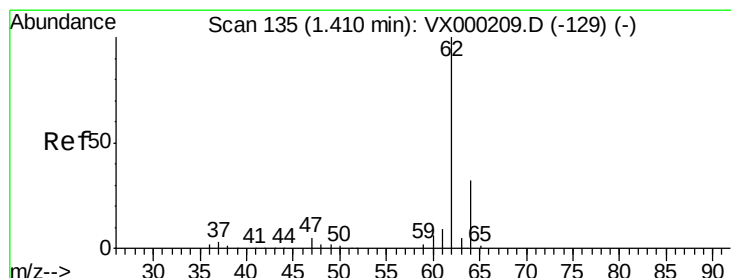
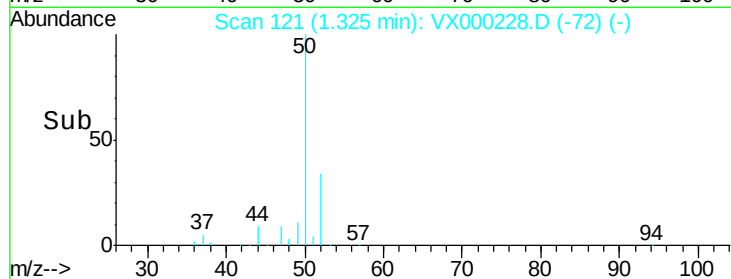
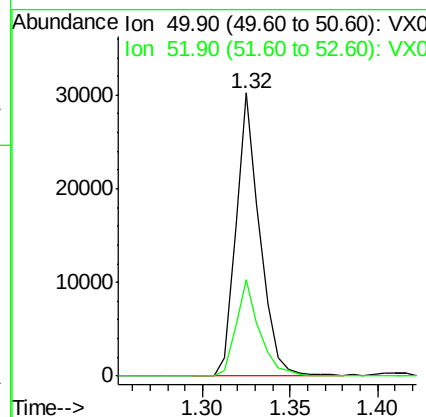
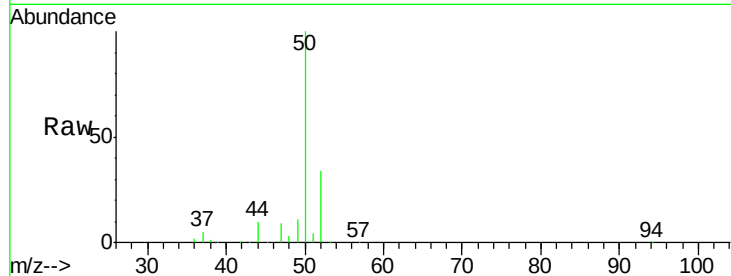




#3
Chloromethane
Concen: 20.26 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

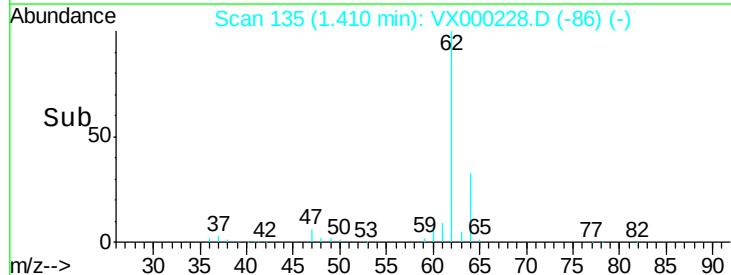
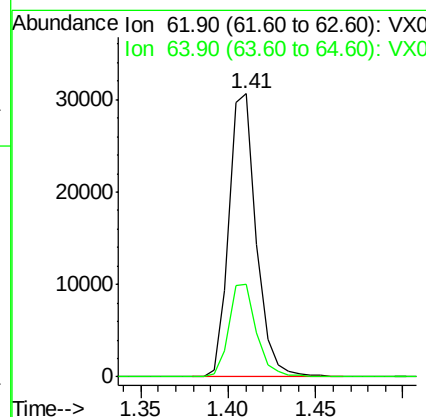
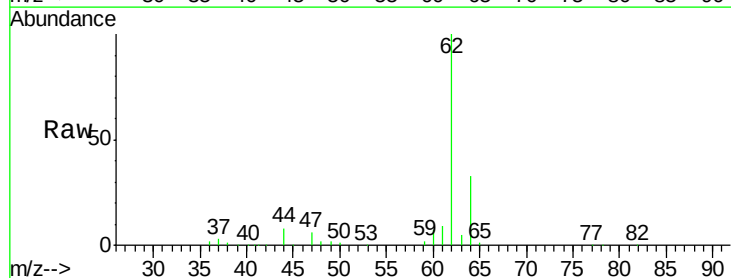
Instrument :
MSVOA_X
ClientSampleId :

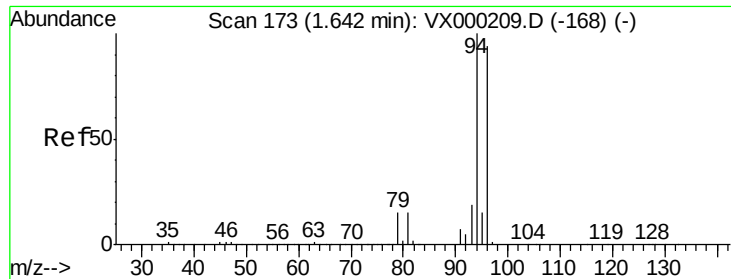
Tot Ion: 50 Resp: 28450
Ion Ratio Lower Upper
50 100
52 34.0 26.2 39.2



#4
Vinyl Chloride
Concen: 20.45 ug/l
RT: 1.41 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 62 Resp: 33478
Ion Ratio Lower Upper
62 100
64 32.8 25.7 38.5





#5

Bromomethane

Concen: 16.93 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

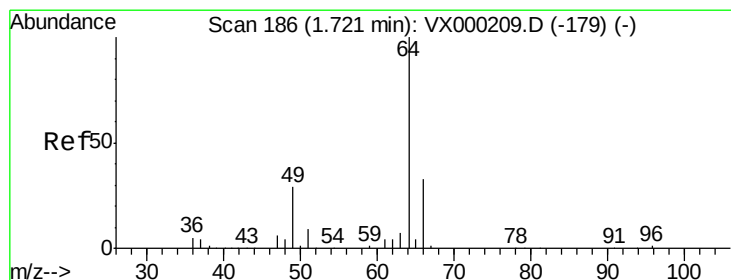
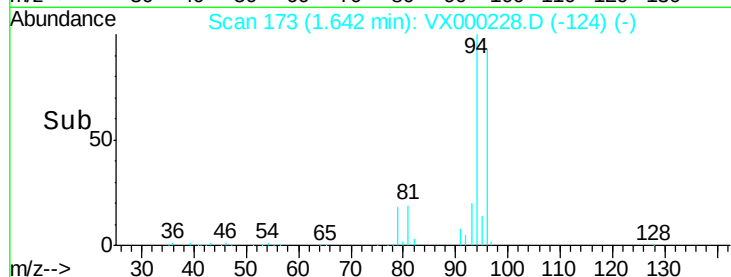
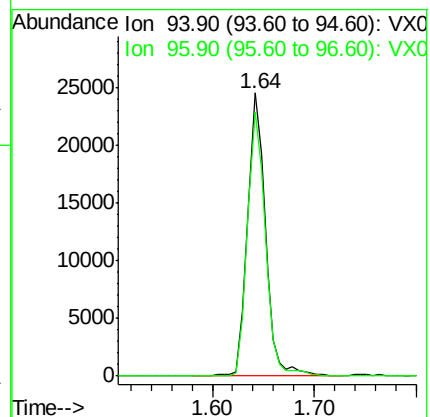
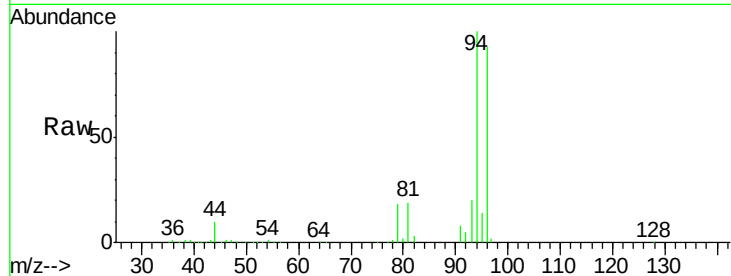
ClientSampled :

Tot Ion: 94 Resp: 30043

Ion Ratio Lower Upper

94 100

96 93.4 75.3 112.9



#6

Chloroethane

Concen: 22.15 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX000228.D

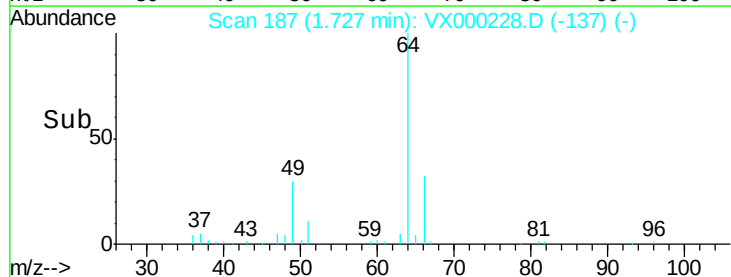
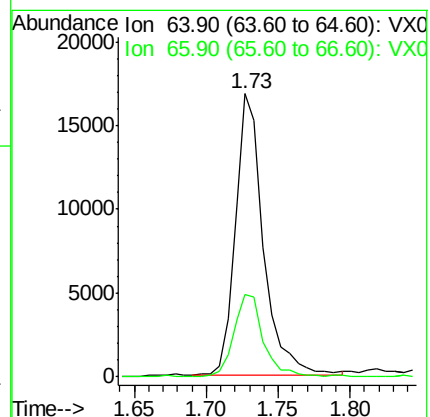
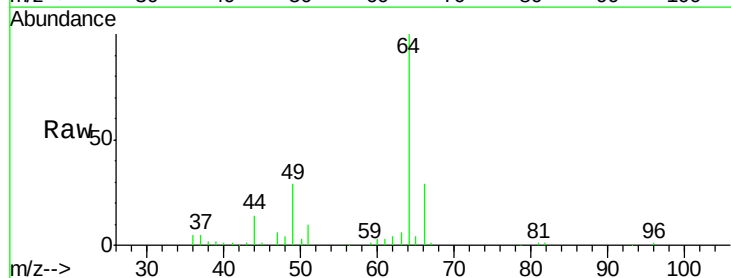
Acq: 08 Mar 2018 18:54

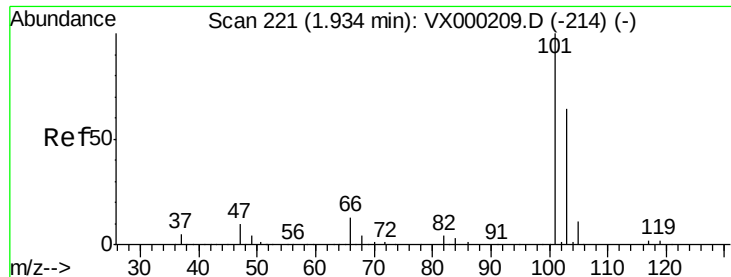
Tgt Ion: 64 Resp: 22874

Ion Ratio Lower Upper

64 100

66 29.4 26.2 39.4



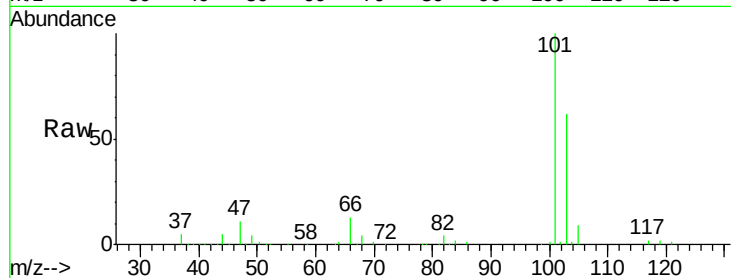


#7

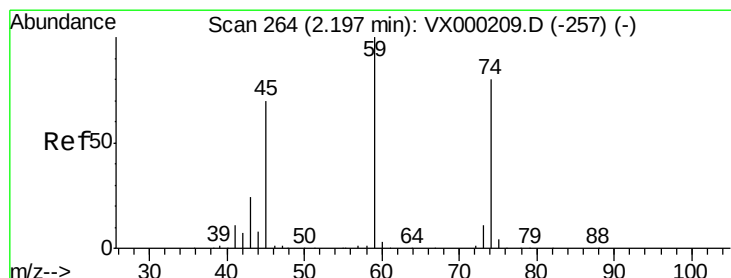
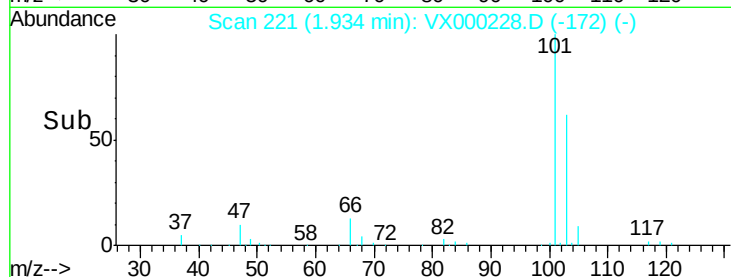
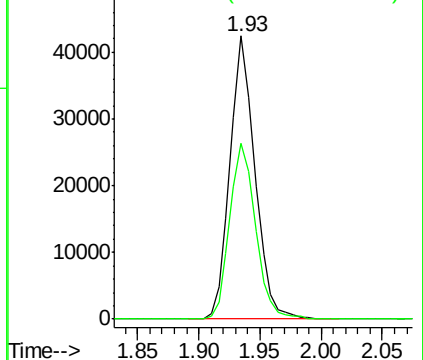
Trichlorofluoromethane
Concen: 22.08 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 59956
Ion Ratio Lower Upper
101 100
103 62.2 51.2 76.8



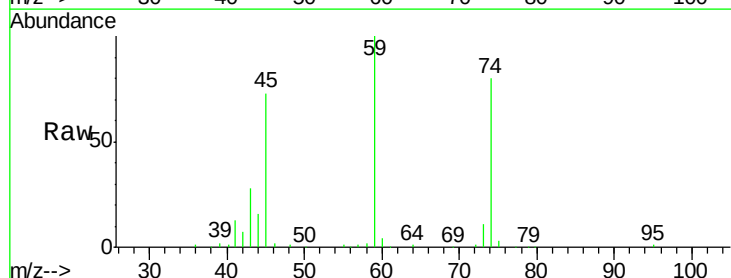
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



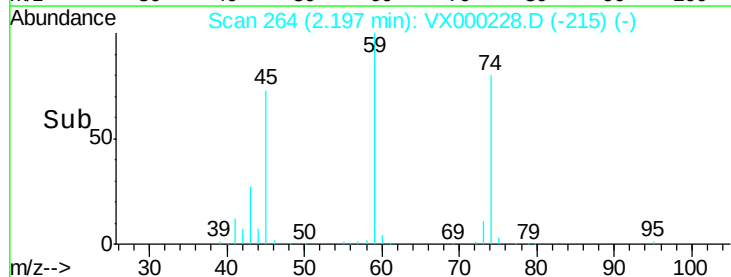
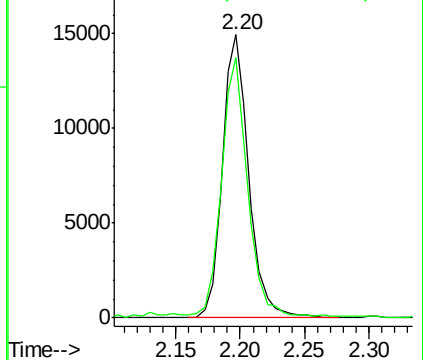
#8

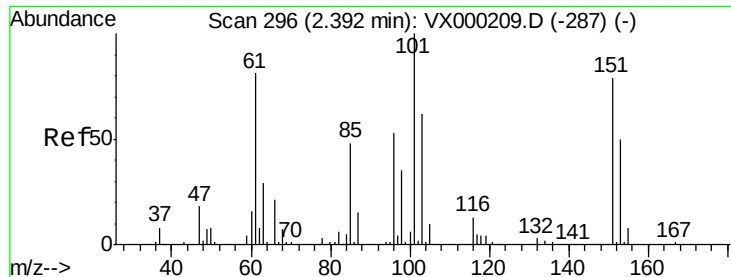
Diethyl Ether
Concen: 21.57 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 74 Resp: 21495
Ion Ratio Lower Upper
74 100
45 90.3 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.81 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

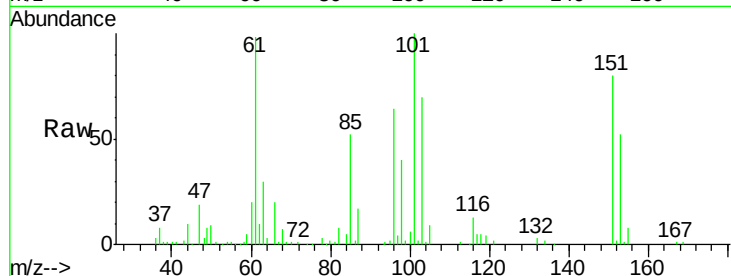
Tot Ion:101 Resp: 31569

Ion Ratio Lower Upper

101 100

85 48.9 38.3 57.5

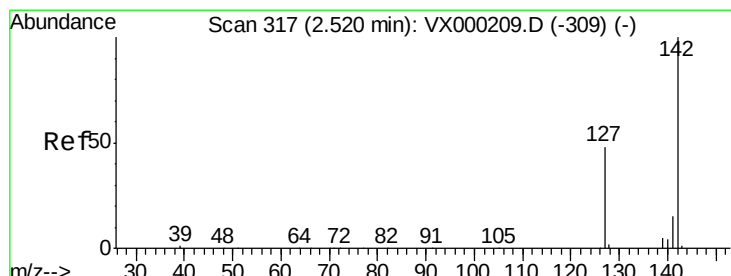
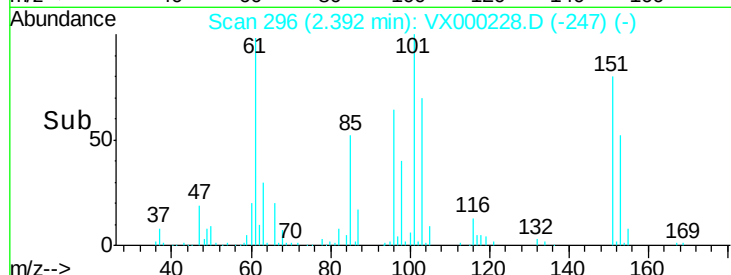
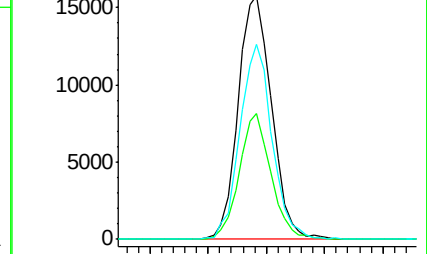
151 77.2 62.8 94.2



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: 18.38 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

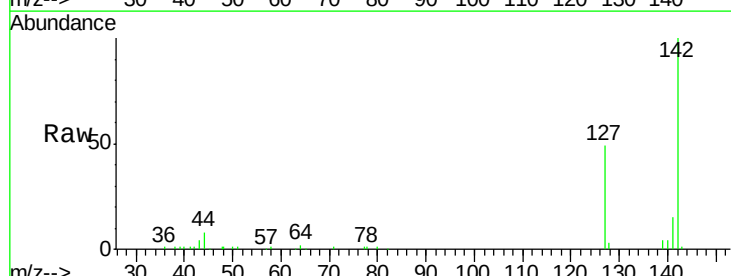
Tgt Ion:142 Resp: 25888

Ion Ratio Lower Upper

142 100

127 50.1 39.0 58.6

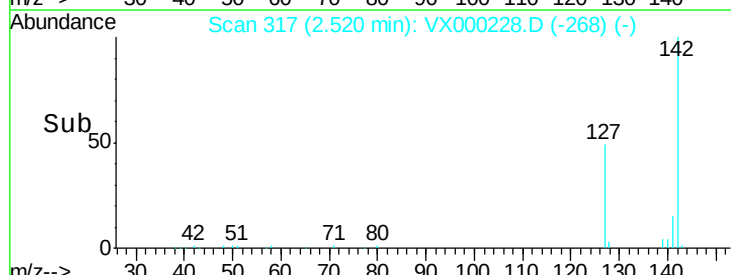
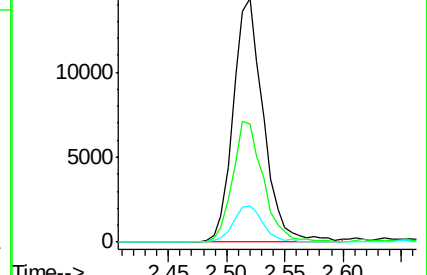
141 14.7 11.6 17.4

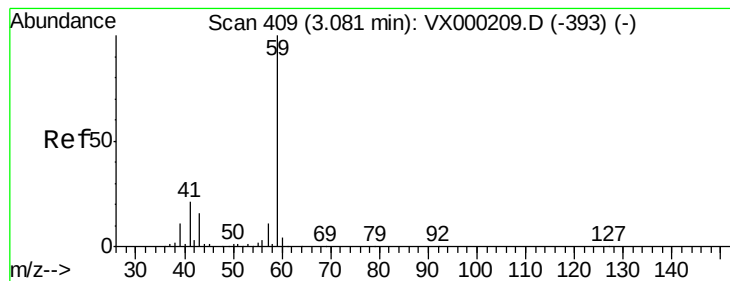


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



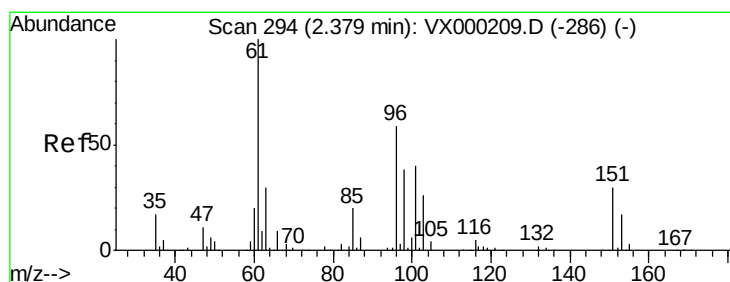
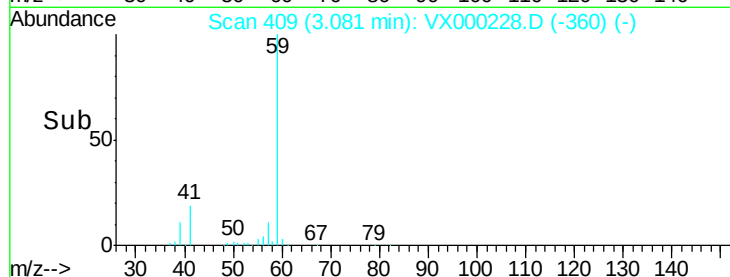
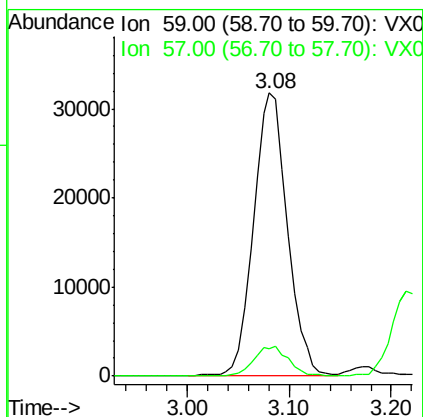
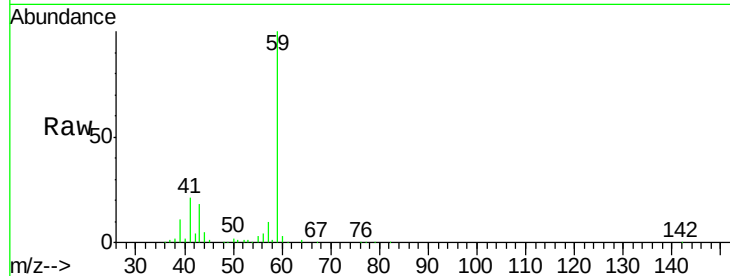


#11

Tert butyl alcohol
Concen: 109.24 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :

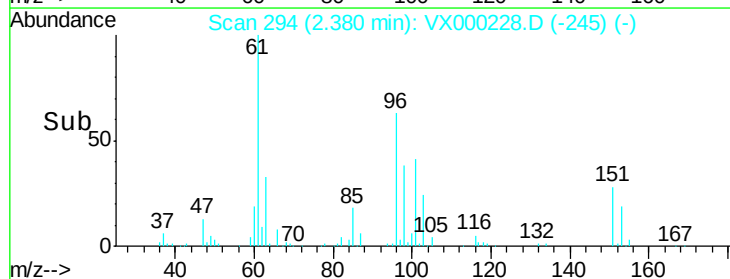
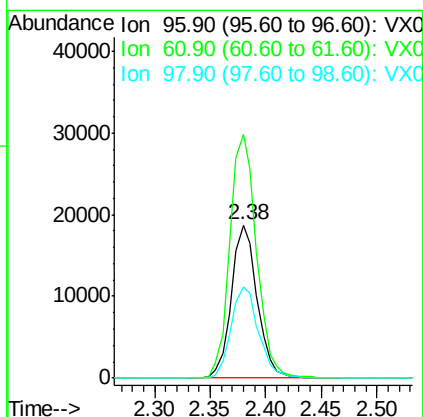
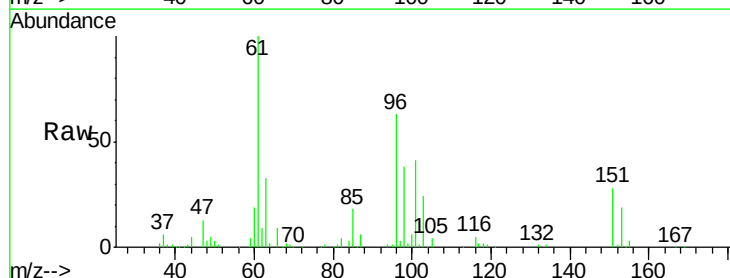
Tot Ion: 59 Resp: 73464
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6

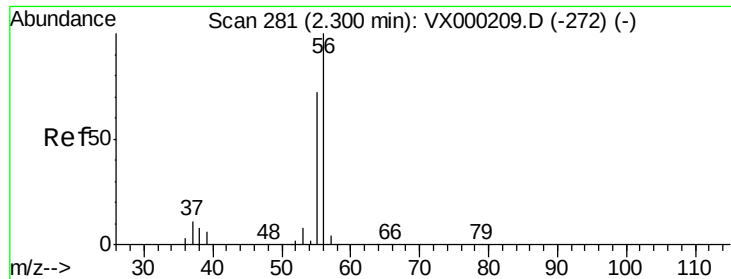


#12

1,1-Dichloroethene
Concen: 21.69 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 96 Resp: 30200
Ion Ratio Lower Upper
96 100
61 159.1 135.8 203.6
98 60.0 51.1 76.7





#13

Acrolein

Concen: 126.06 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

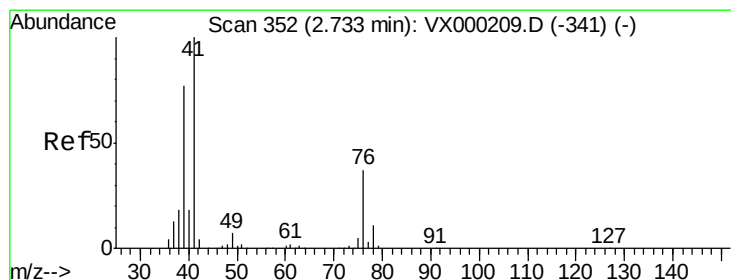
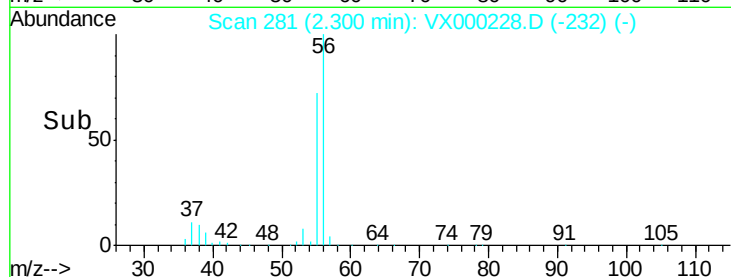
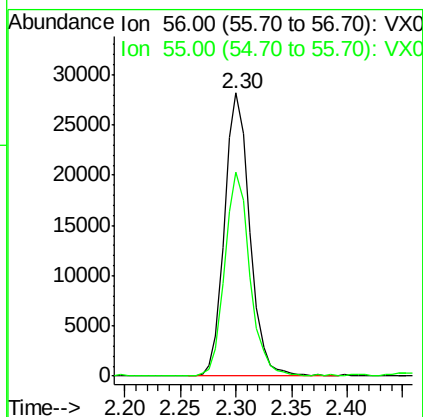
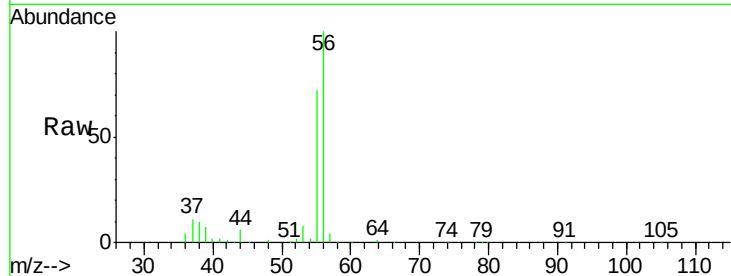
ClientSampled :

Tot Ion: 56 Resp: 44572

Ion Ratio Lower Upper

56 100

55 71.6 59.2 88.8



#14

Allyl chloride

Concen: 21.44 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

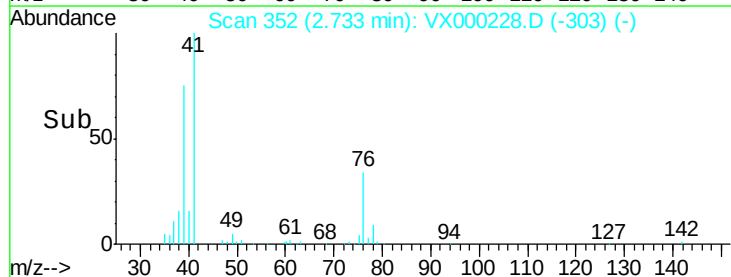
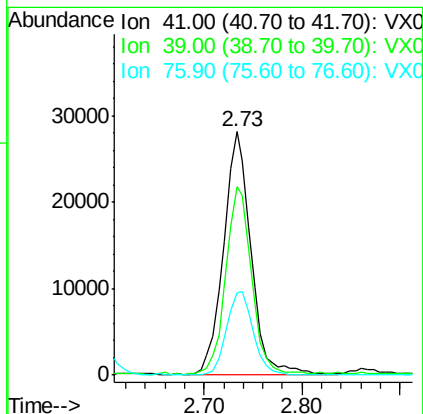
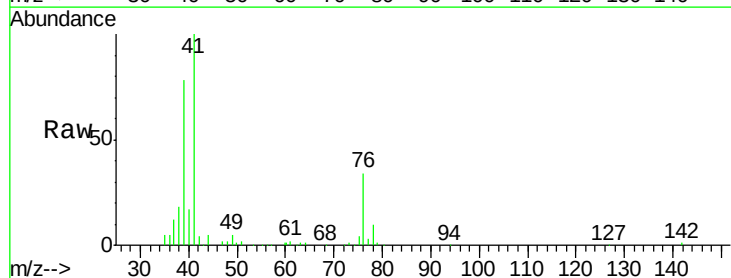
Tgt Ion: 41 Resp: 55158

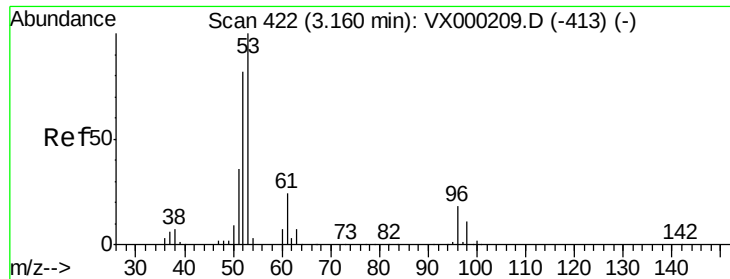
Ion Ratio Lower Upper

41 100

39 71.6 57.0 85.6

76 32.8 26.8 40.2





#15

Acrylonitrile

Concen: 112.49 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

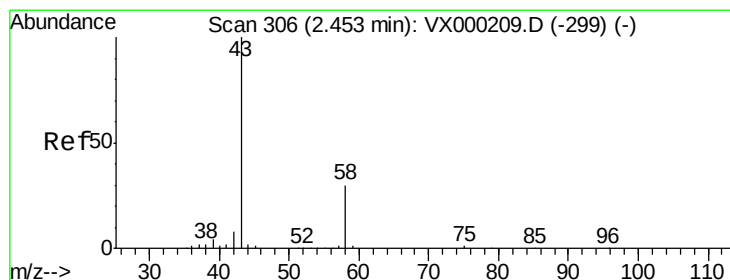
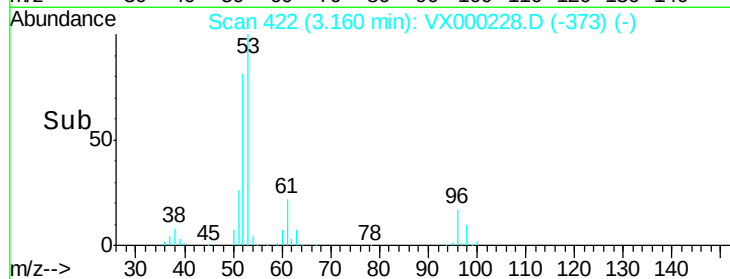
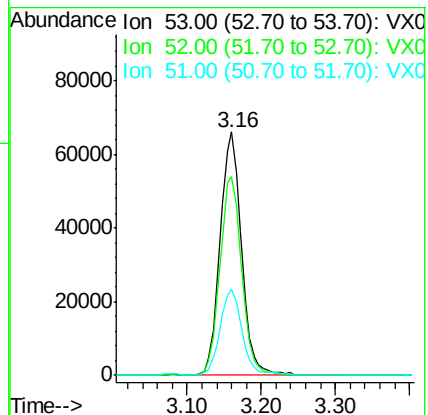
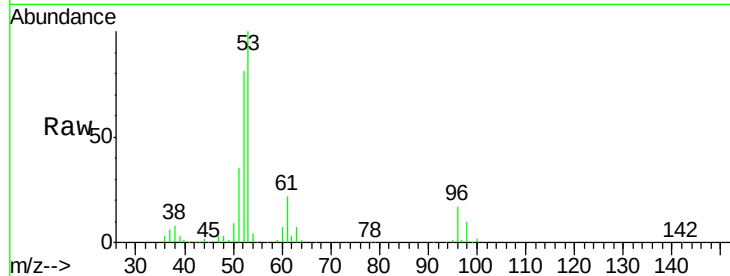
Tot Ion: 53 Resp: 131653

Ion Ratio Lower Upper

53 100

52 82.8 66.3 99.5

51 36.0 29.6 44.4



#16

Acetone

Concen: 115.04 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000228.D

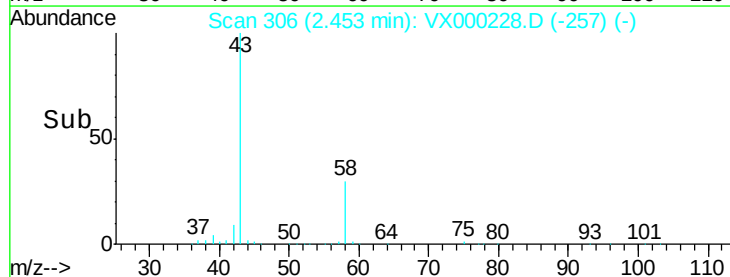
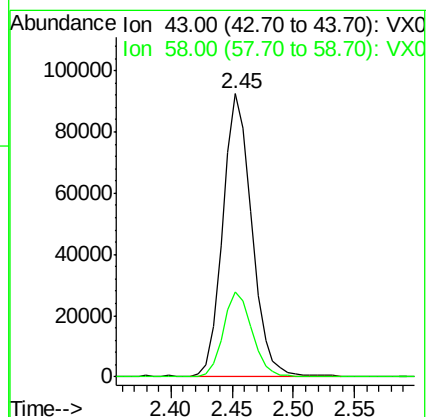
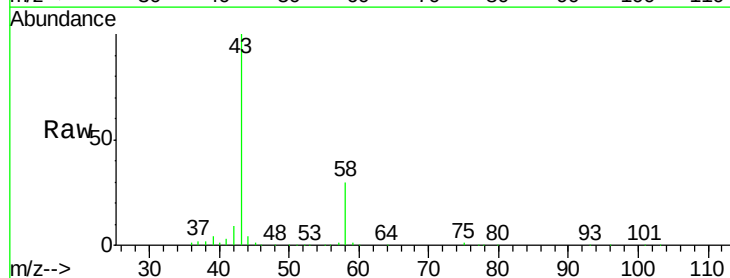
Acq: 08 Mar 2018 18:54

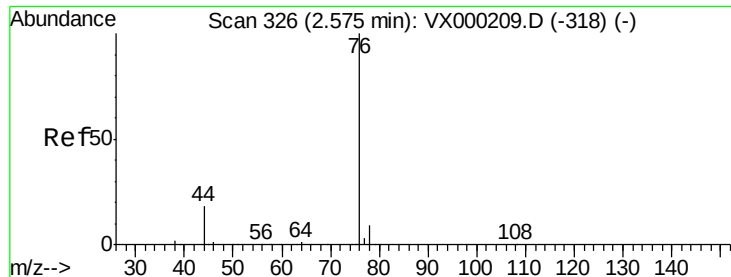
Tgt Ion: 43 Resp: 151211

Ion Ratio Lower Upper

43 100

58 30.2 23.8 35.6





#17

Carbon Disulfide

Concen: 20.76 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

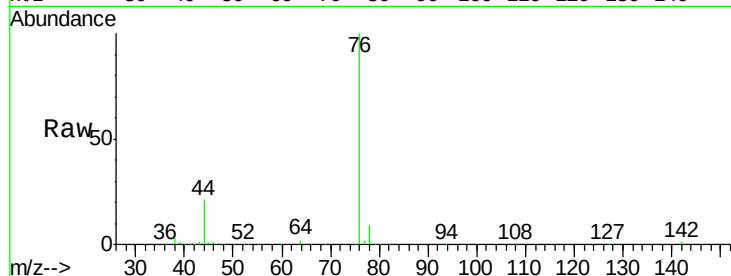
ClientSampled :

Tot Ion: 76 Resp: 79199

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

50000

40000

30000

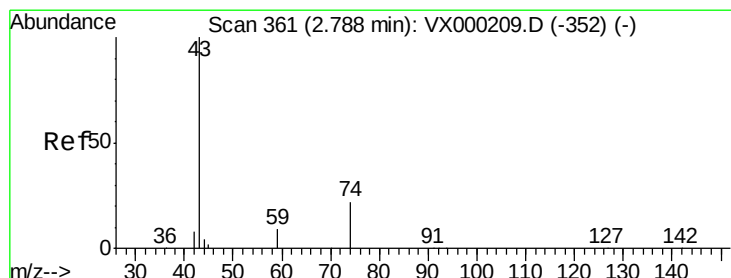
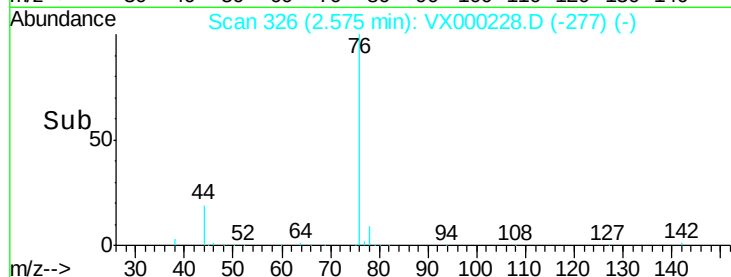
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 22.24 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000228.D

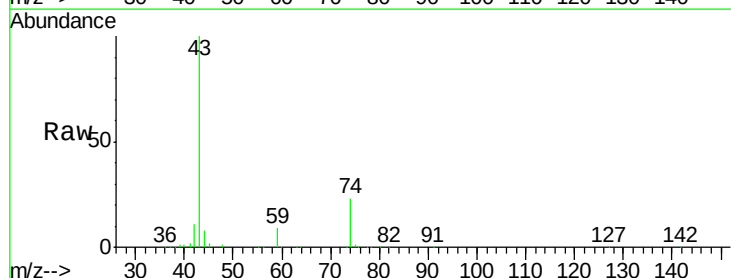
Acq: 08 Mar 2018 18:54

Tgt Ion: 43 Resp: 62261

Ion Ratio Lower Upper

43 100

74 23.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.79

40000

30000

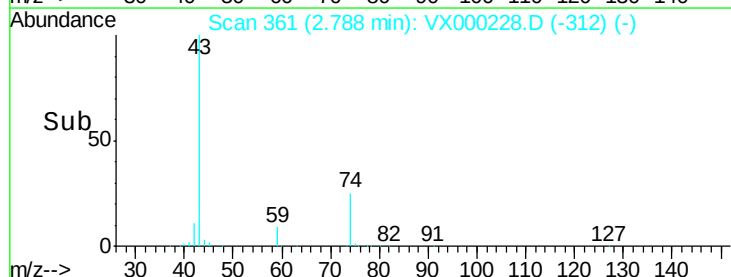
20000

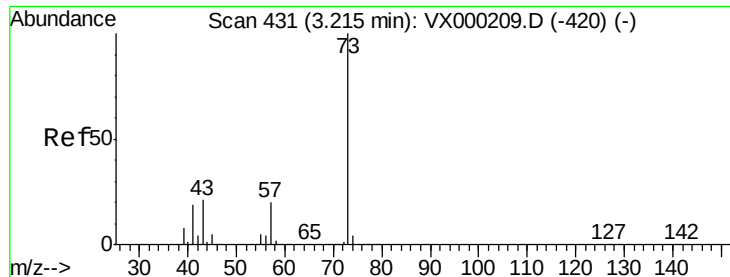
10000

0

Time-->

2.70 2.75 2.80 2.85

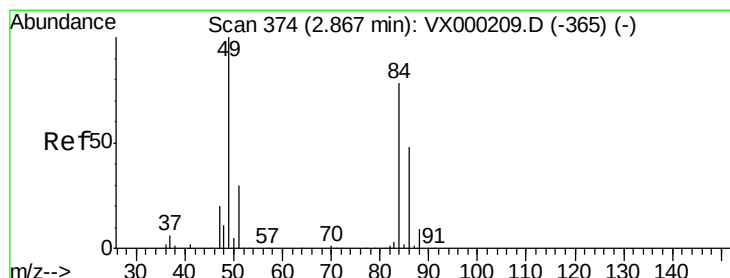
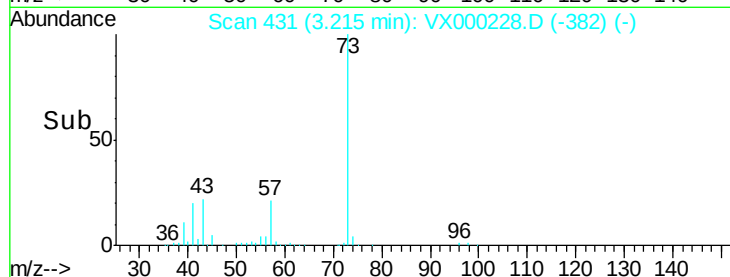
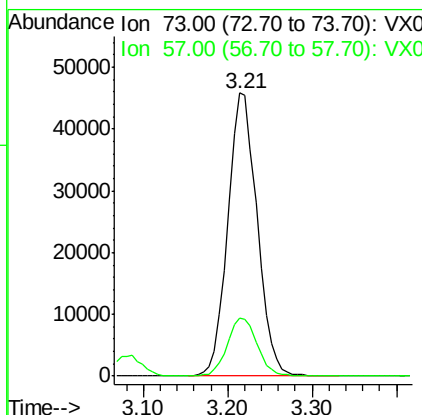
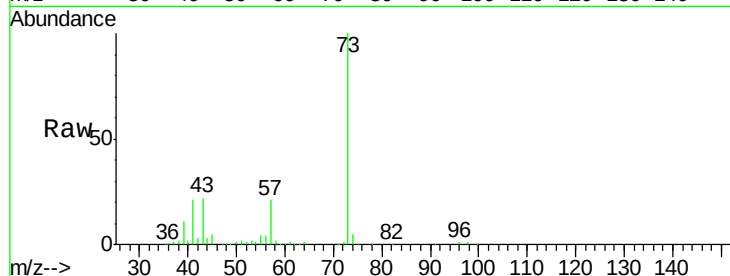




#19
Methyl tert-butyl Ether
Concen: 21.86 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

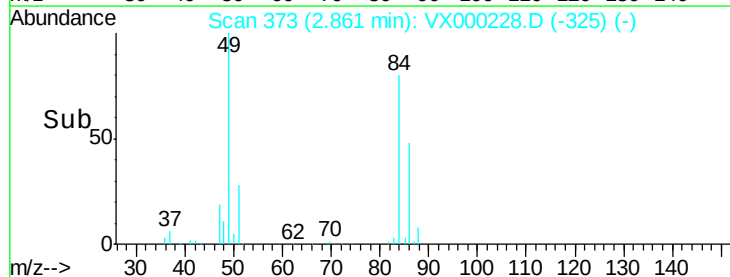
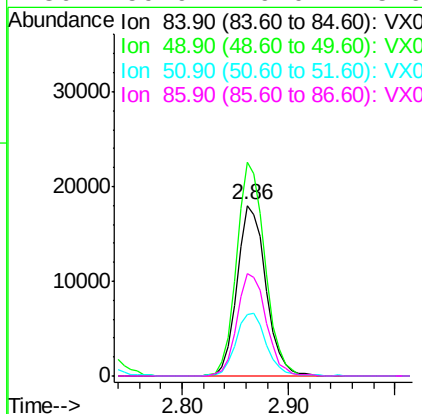
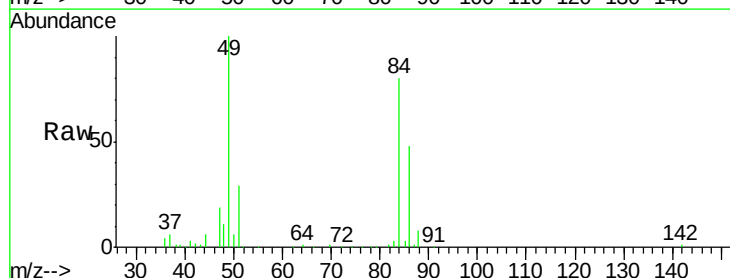
Instrument :
MSVOA_X
ClientSampleId :

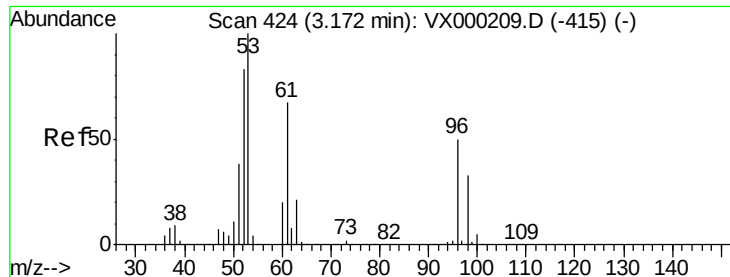
Tot Ion: 73 Resp: 108427
Ion Ratio Lower Upper
73 100
57 20.8 16.3 24.5



#20
Methylene Chloride
Concen: 21.86 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 84 Resp: 34268
Ion Ratio Lower Upper
84 100
49 125.4 102.1 153.1
51 35.5 30.6 45.8
86 59.9 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 21.46 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

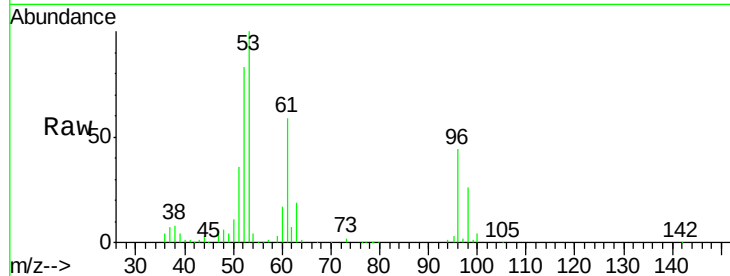
Tot Ion: 96 Resp: 32863

Ion Ratio Lower Upper

96 100

61 136.4 107.0 160.4

98 60.6 51.8 77.8

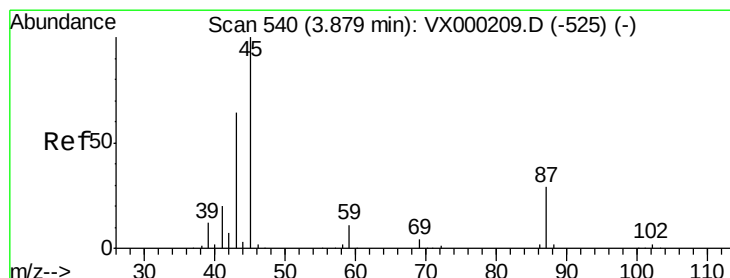
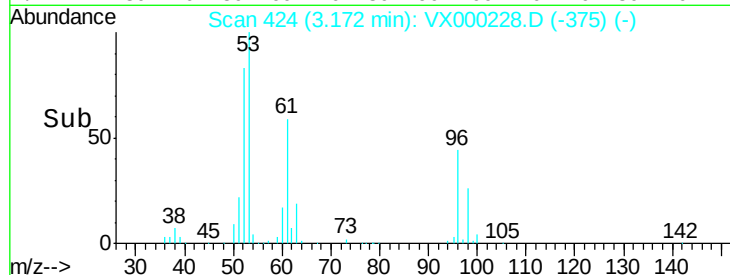
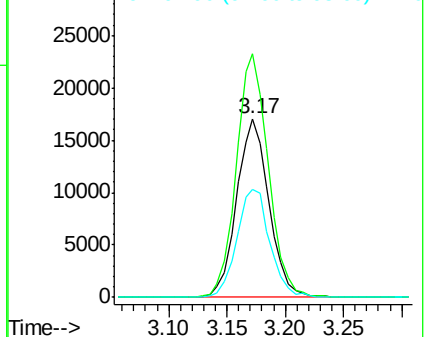


Abundance

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: 18.27 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Tgt Ion: 45 Resp: 80731

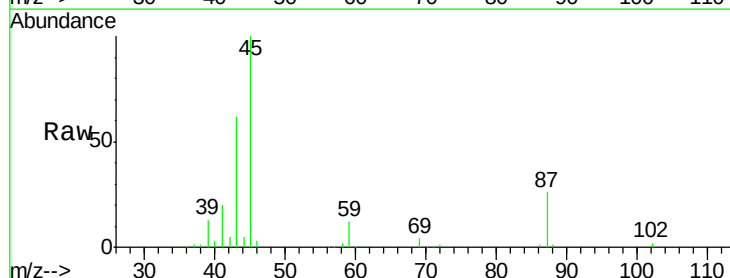
Ion Ratio Lower Upper

45 100

43 61.0 53.5 80.3

87 26.4 23.3 34.9

59 12.2 9.0 13.6



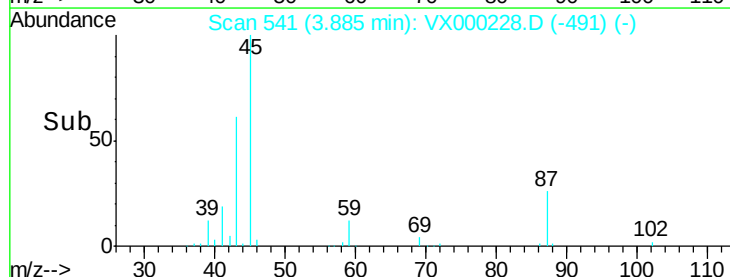
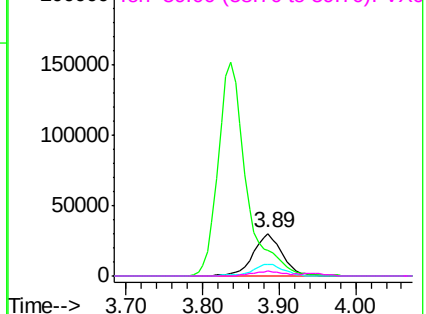
Abundance

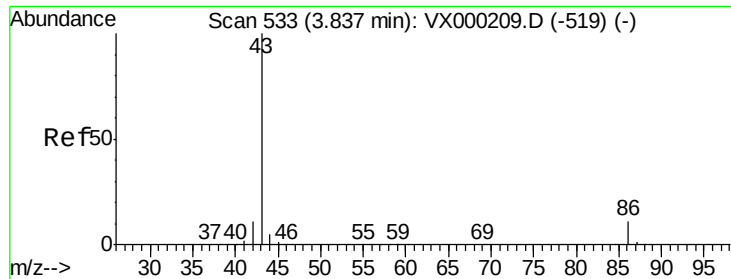
Ion 45.00 (44.70 to 45.70): VX0

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: 90.97 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

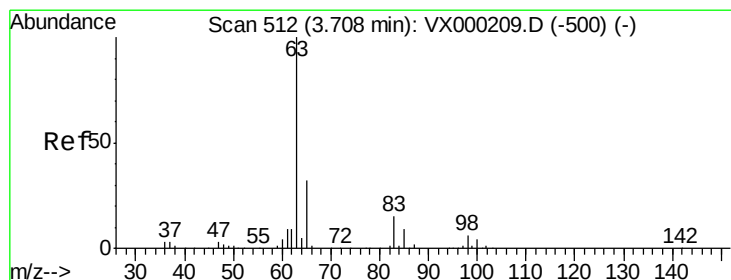
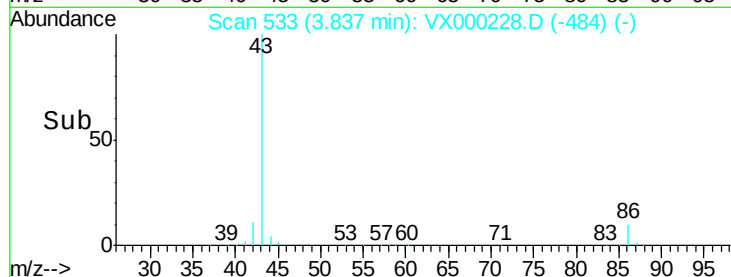
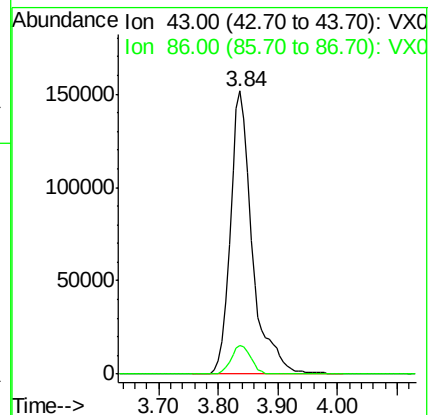
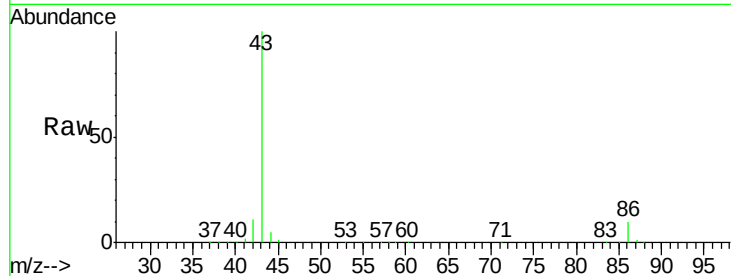
ClientSampleId :

Tot Ion: 43 Resp: 387310

Ion Ratio Lower Upper

43 100

86 10.4 8.5 12.7



#24

1,1-Dichloroethane

Concen: 19.66 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

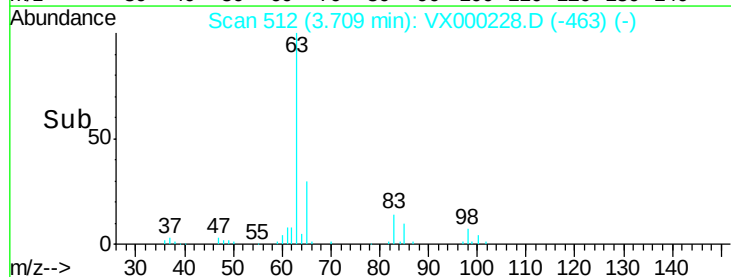
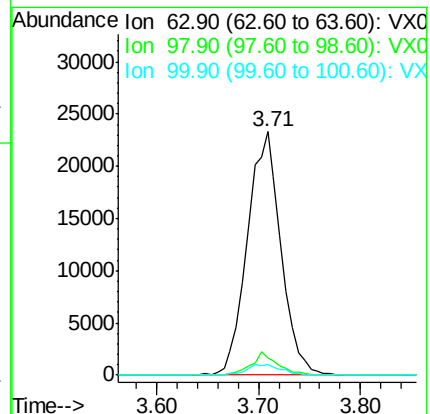
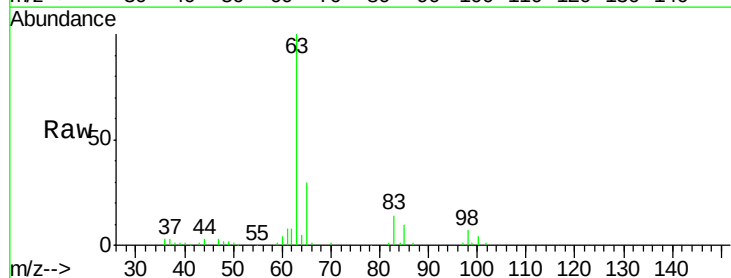
Tgt Ion: 63 Resp: 53233

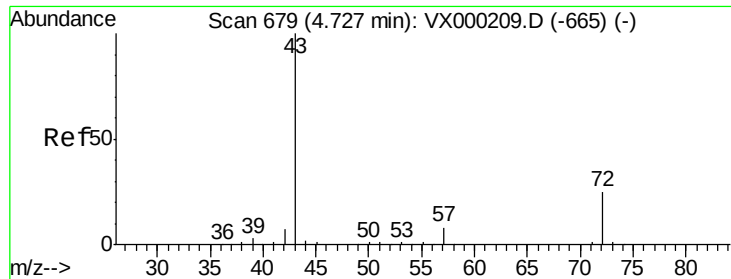
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 106.76 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

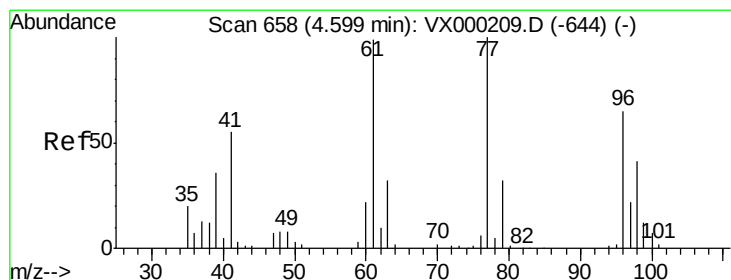
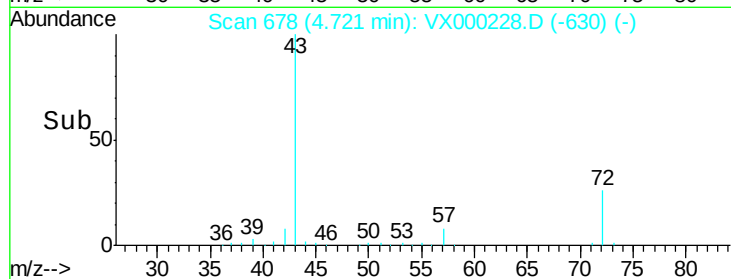
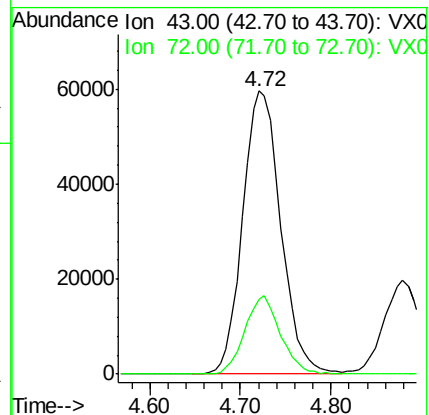
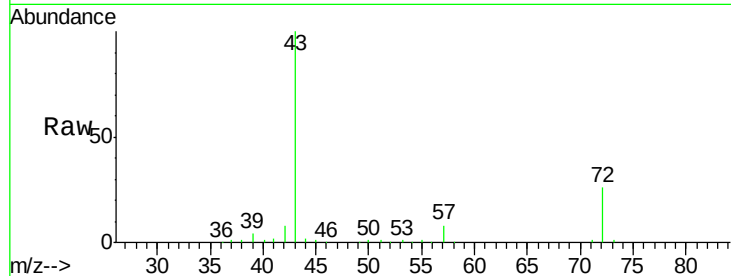
ClientSampleId :

Tot Ion: 43 Resp: 173171

Ion Ratio Lower Upper

43 100

72 26.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.62 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX000228.D

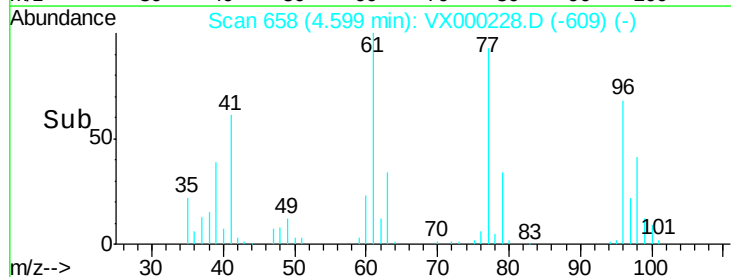
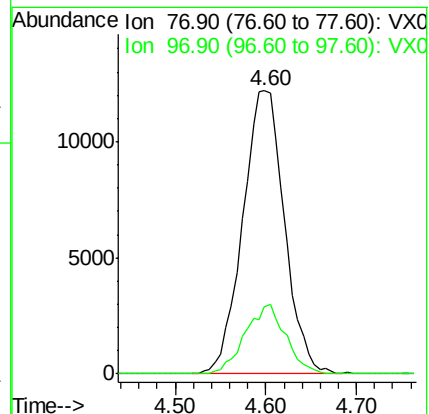
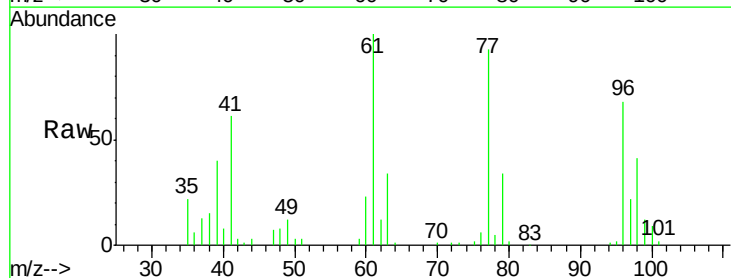
Acq: 08 Mar 2018 18:54

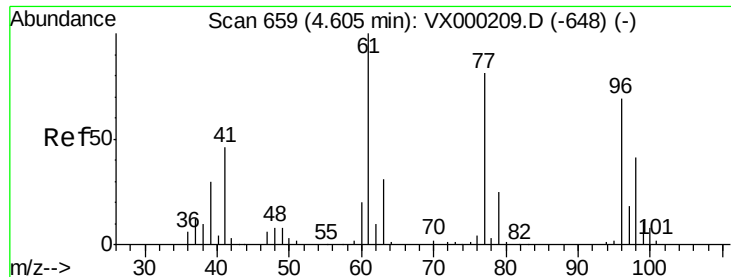
Tgt Ion: 77 Resp: 38843

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.1



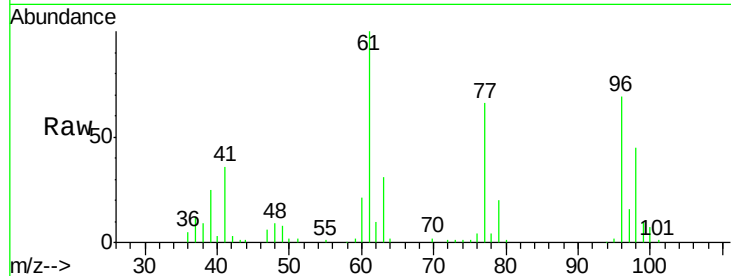


#27

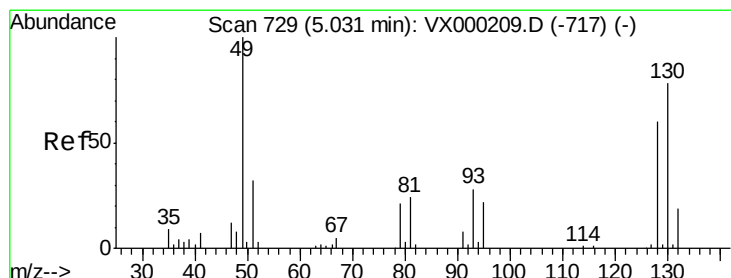
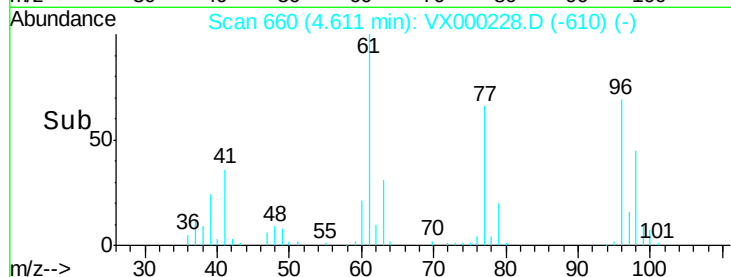
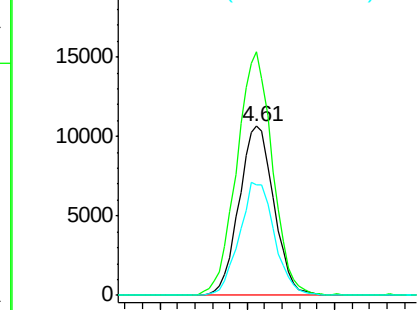
cis-1,2-Dichloroethene
Concen: 20.34 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 29540
Ion Ratio Lower Upper
96 100
61 147.0 0.0 296.4
98 66.6 0.0 130.6



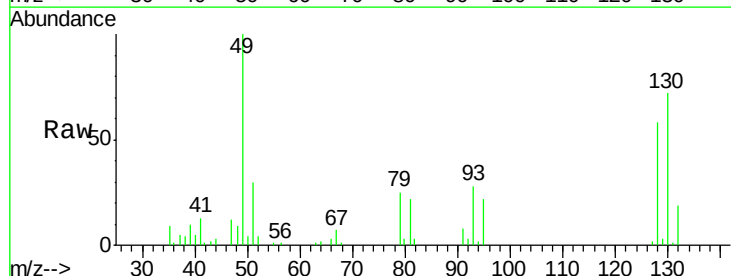
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



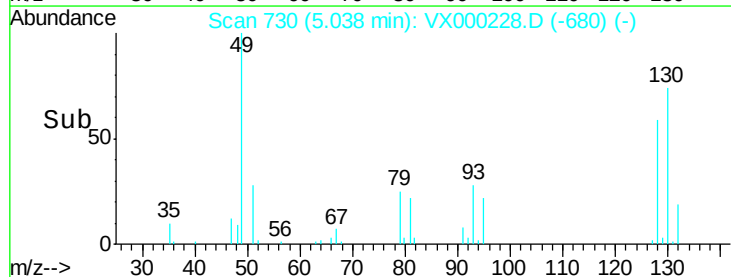
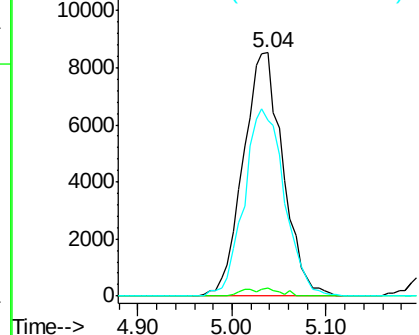
#28

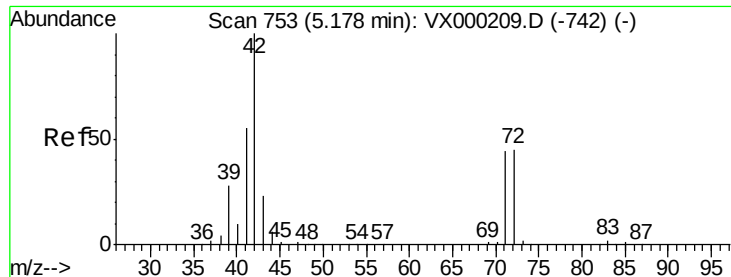
Bromochloromethane
Concen: 21.74 ug/l
RT: 5.04 min Scan# 730
Delta R.T. 0.01 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 49 Resp: 25027
Ion Ratio Lower Upper
49 100
129 1.5 0.0 5.0
130 78.2 63.5 95.3



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

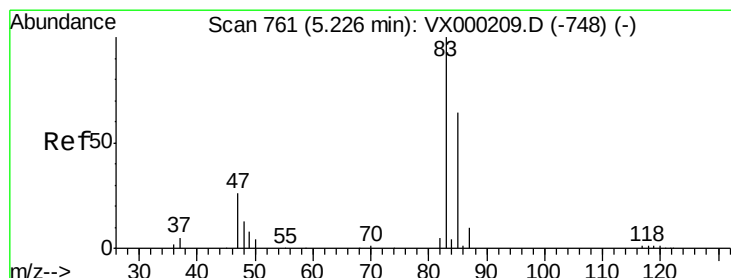
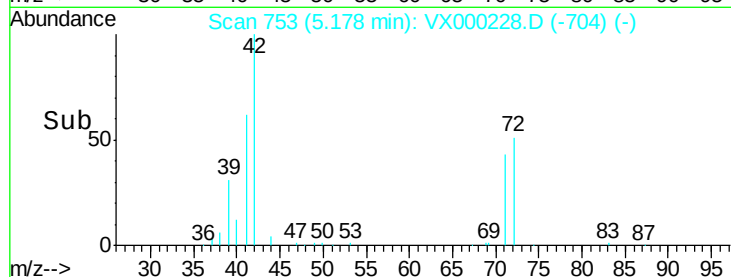
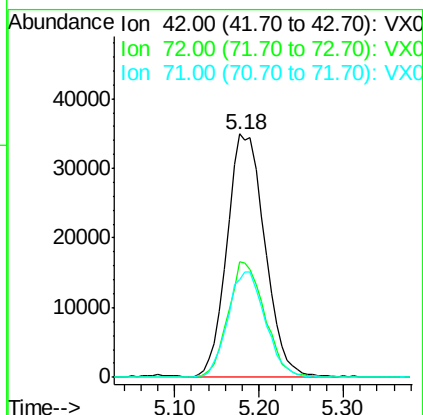
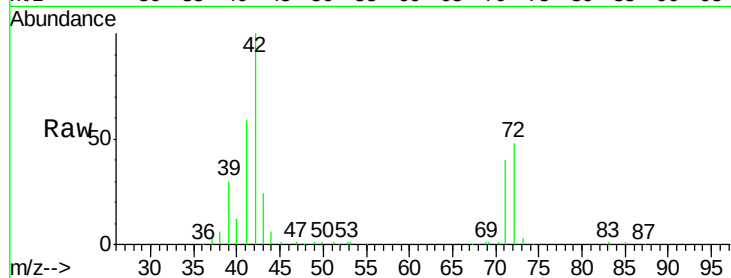




#29
Tetrahydrofuran
Concen: 104.45 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

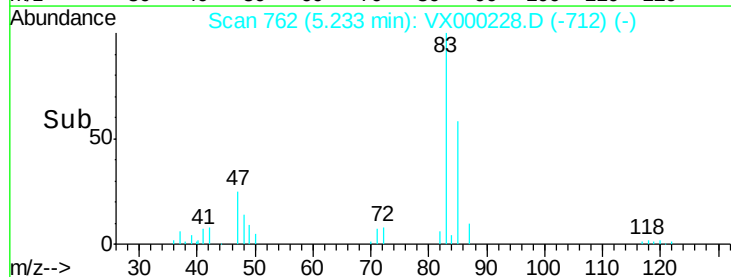
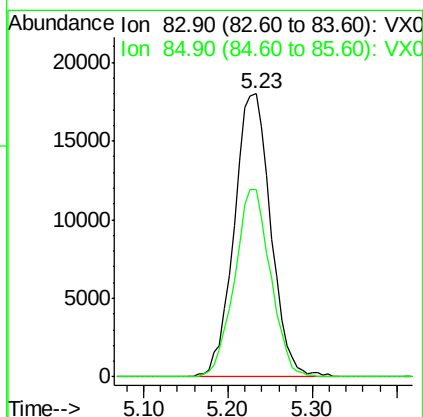
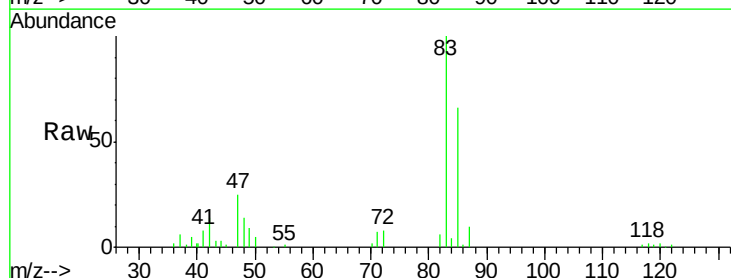
Instrument :
MSVOA_X
ClientSampled :

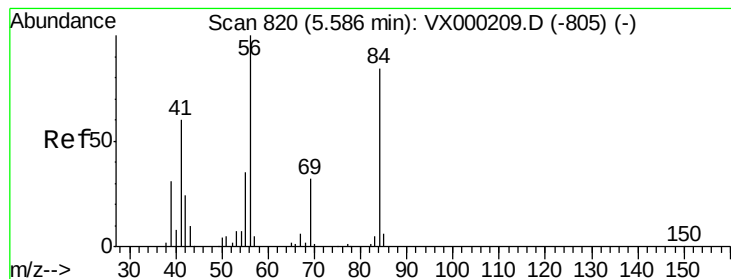
Tot Ion: 42 Resp: 106415
Ion Ratio Lower Upper
42 100
72 46.1 37.3 55.9
71 43.1 35.0 52.4



#30
Chloroform
Concen: 20.14 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 83 Resp: 52721
Ion Ratio Lower Upper
83 100
85 66.1 51.0 76.6





#31

Cyclohexane

Concen: 20.66 ug/l

RT: 5.59 min Scan# 821

Delta R.T. 0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

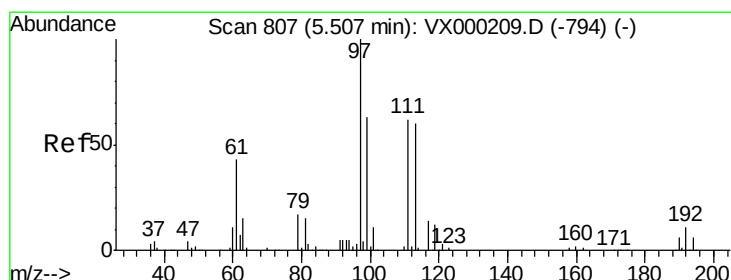
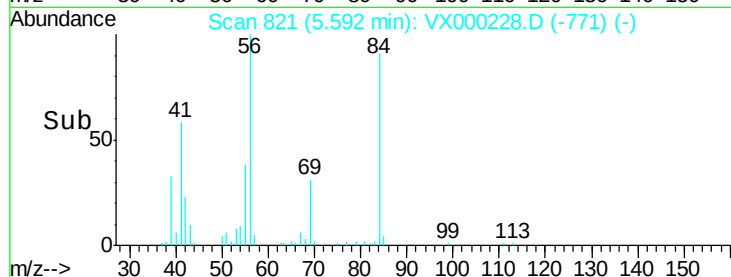
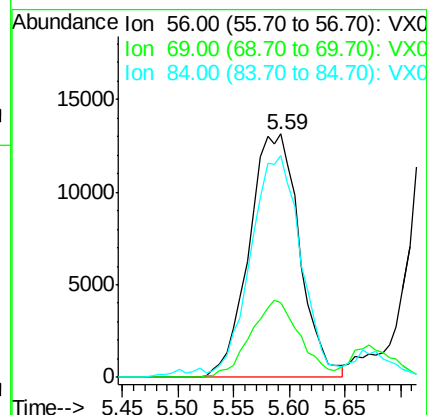
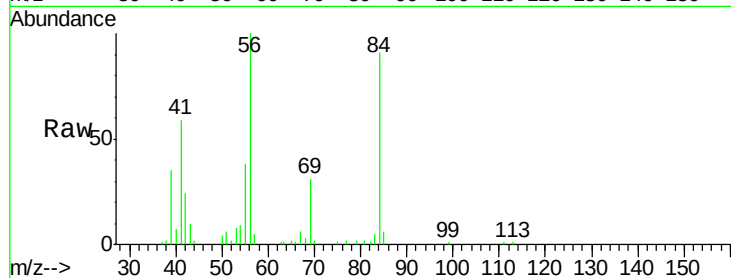
Tot Ion: 56 Resp: 41381

Ion Ratio Lower Upper

56 100

69 30.7 25.3 37.9

84 88.6 67.2 100.8



#32

1,1,1-Trichloroethane

Concen: 20.85 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

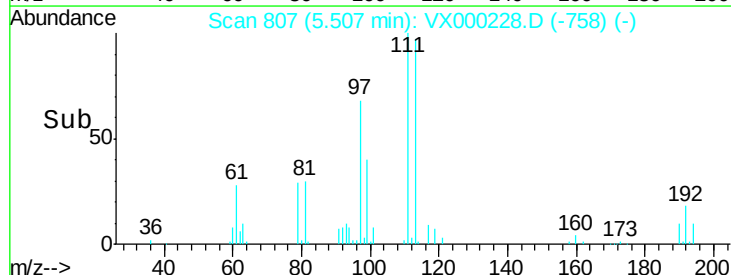
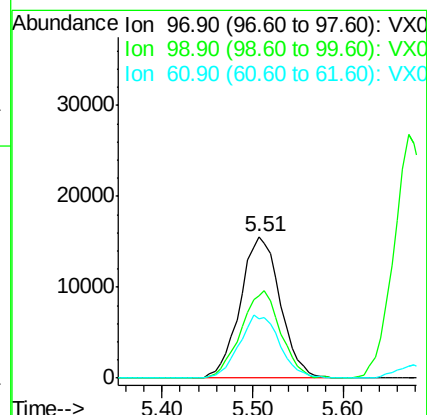
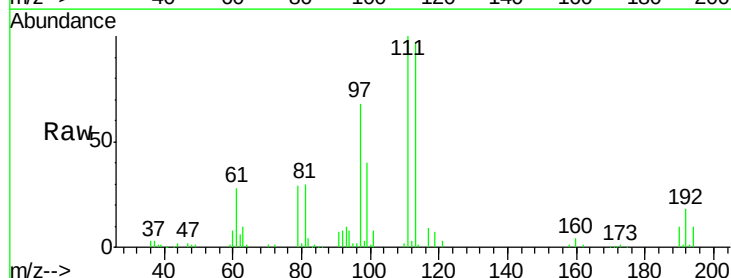
Tgt Ion: 97 Resp: 47323

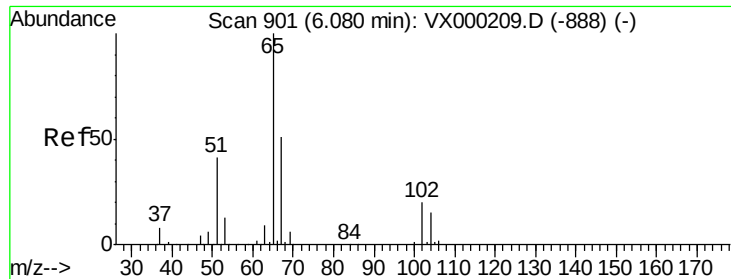
Ion Ratio Lower Upper

97 100

99 61.5 50.9 76.3

61 45.1 35.4 53.0

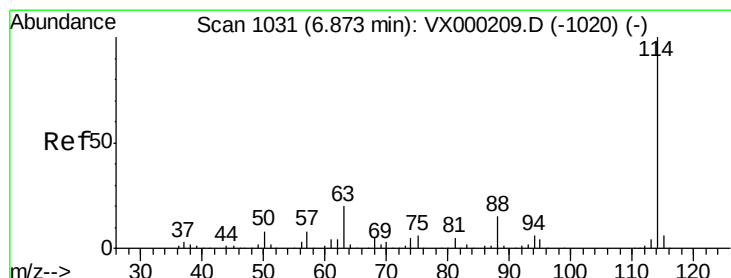
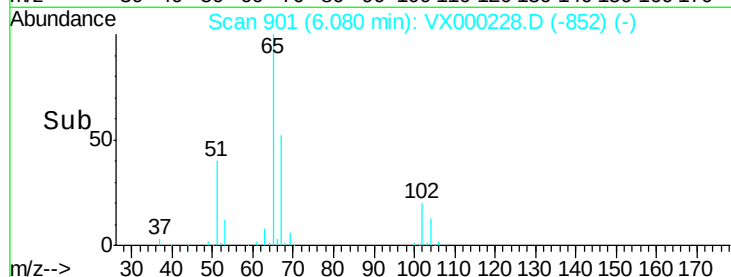
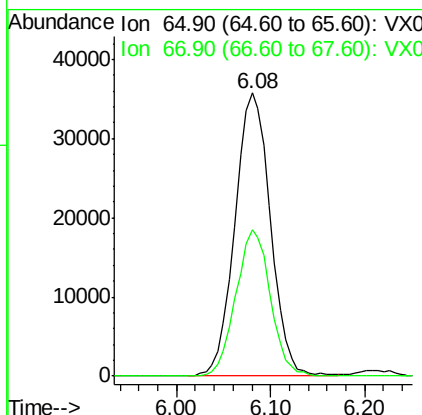
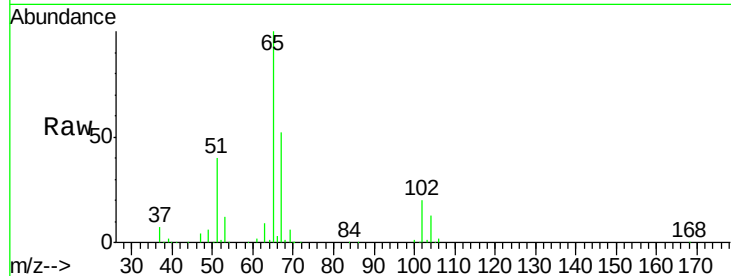




#33
 1,2-Dichloroethane-d4
 Concen: 51.41 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

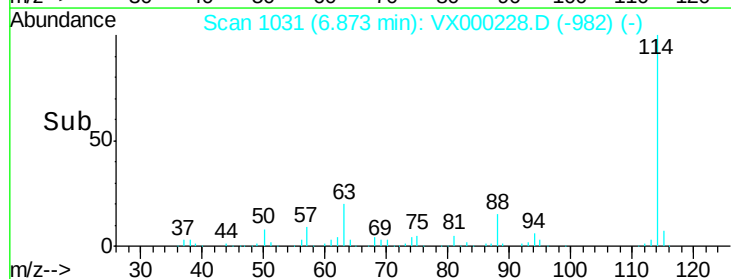
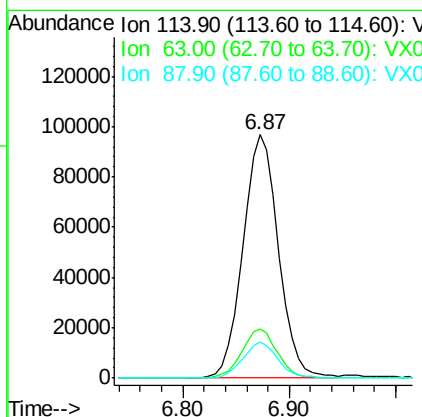
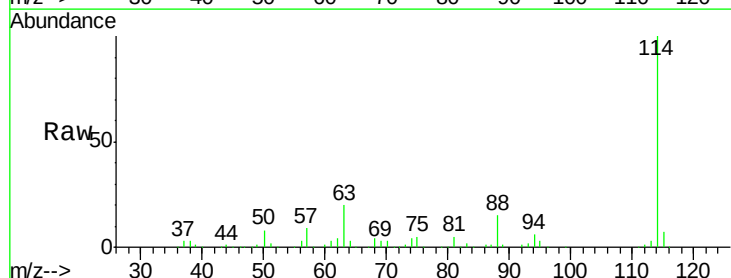
Instrument :
 MSVOA_X
 ClientSampleId :

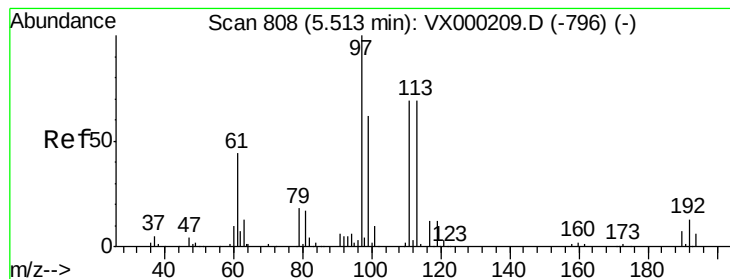
Tot Ion: 65 Resp: 94091
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Tgt Ion: 114 Resp: 225932
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.2
 88 15.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.04 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

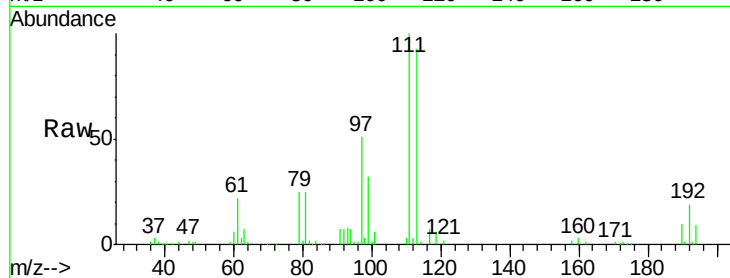
Tot Ion:113 Resp: 71021

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

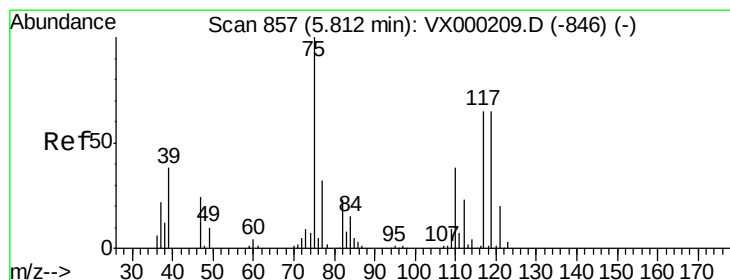
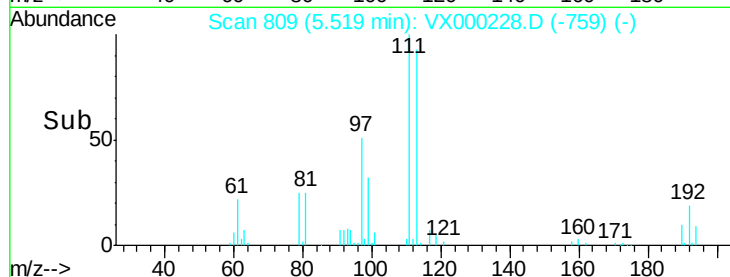
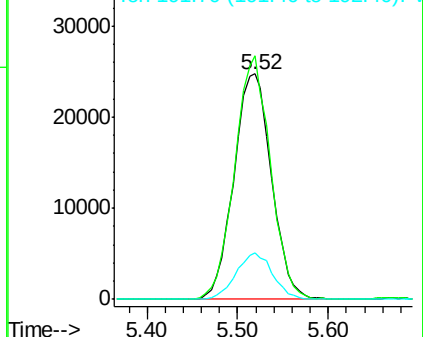
192 20.1 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.81 ug/l

RT: 5.81 min Scan# 857

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

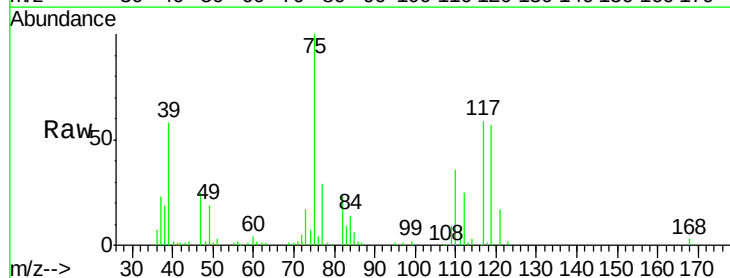
Tgt Ion: 75 Resp: 39821

Ion Ratio Lower Upper

75 100

110 35.5 17.8 53.5

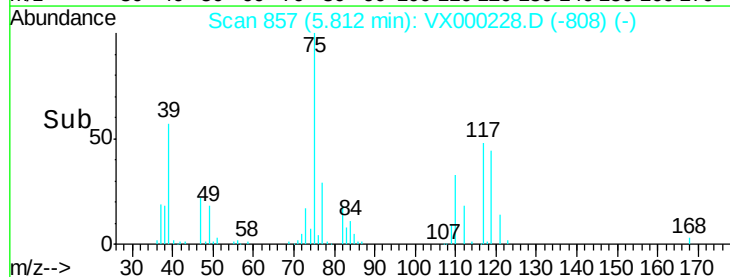
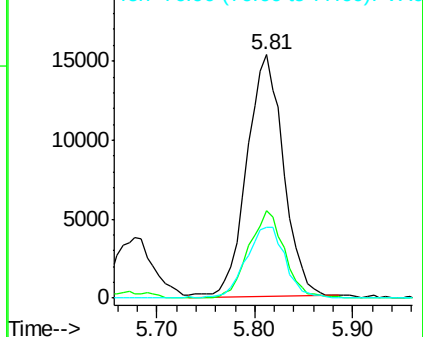
77 31.6 24.9 37.3

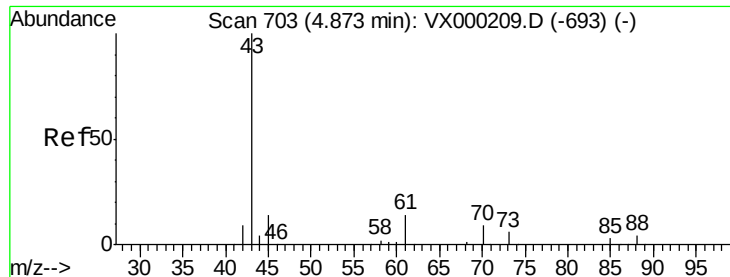


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

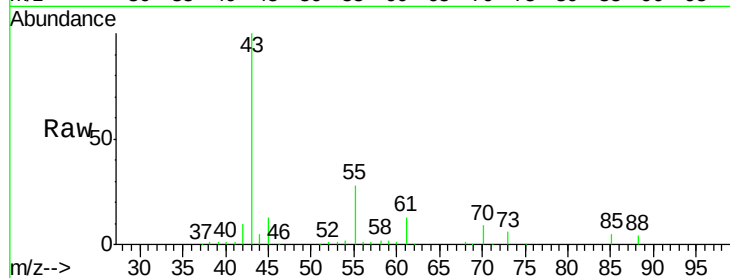




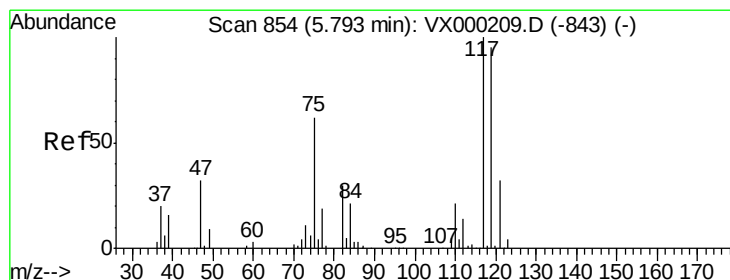
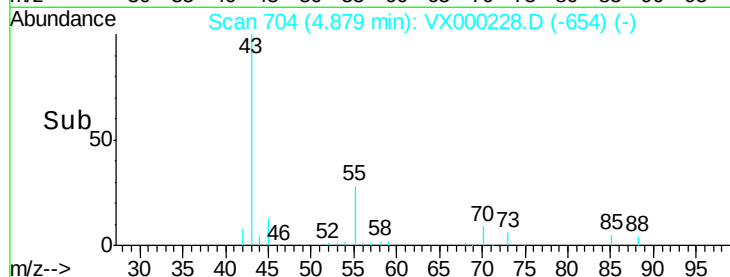
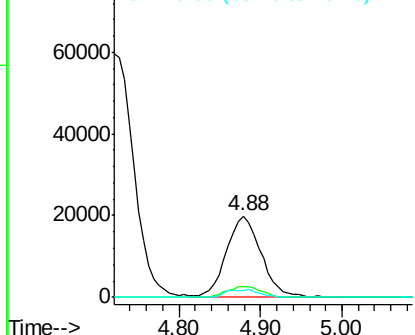
#37
Ethyl Acetate
Concen: 20.01 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 58148
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.6
70 9.5 7.8 11.6

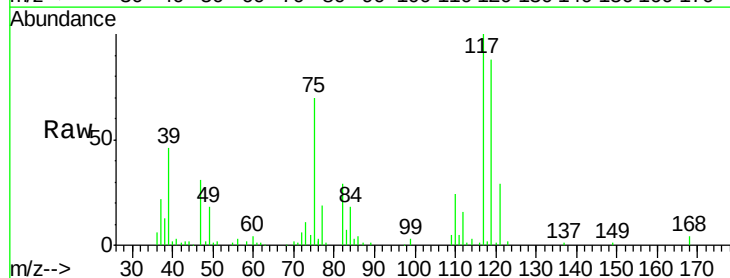


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

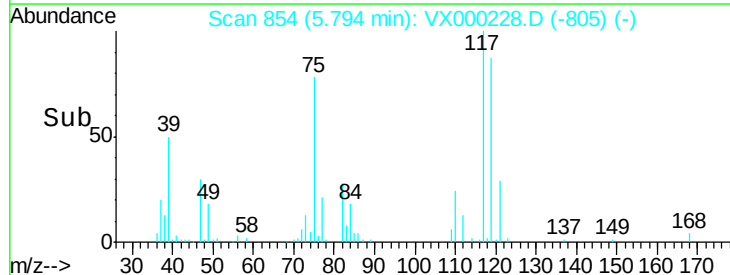
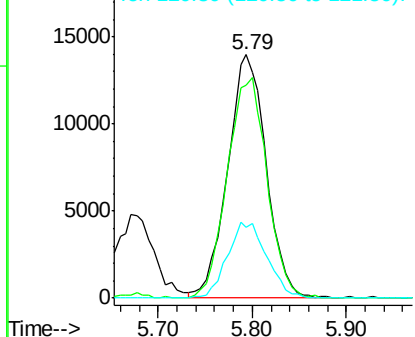


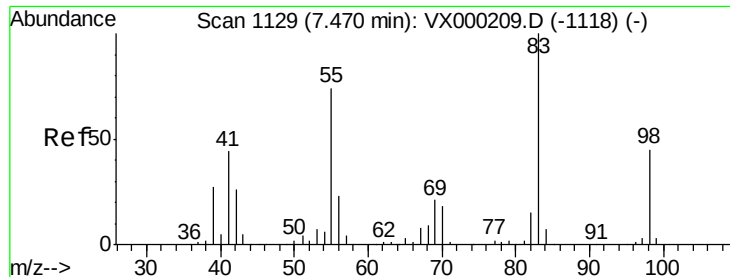
#38
Carbon Tetrachloride
Concen: 19.55 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 117 Resp: 39767
Ion Ratio Lower Upper
117 100
119 87.6 75.9 113.9
121 29.2 25.8 38.6



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

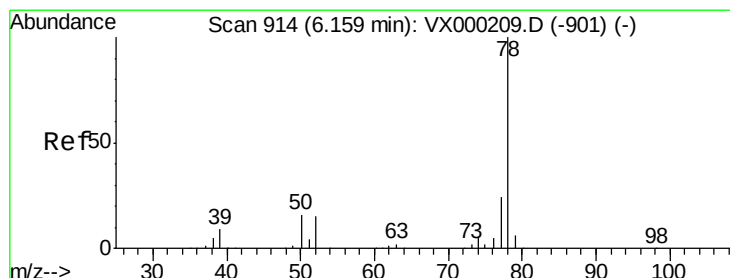
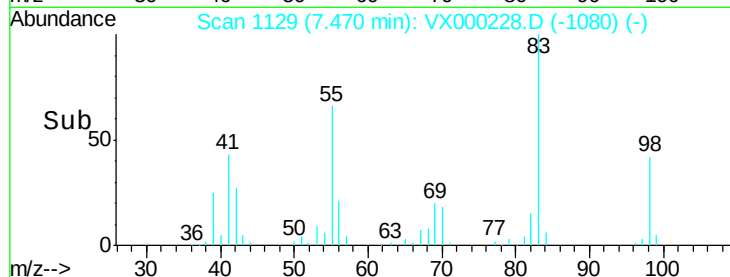
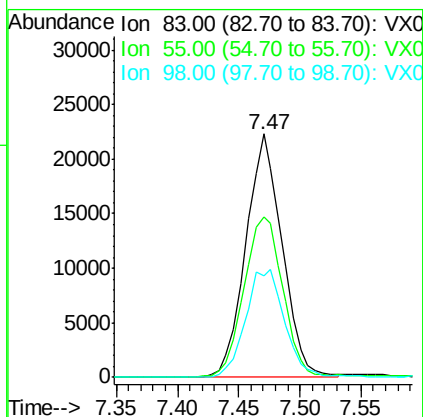
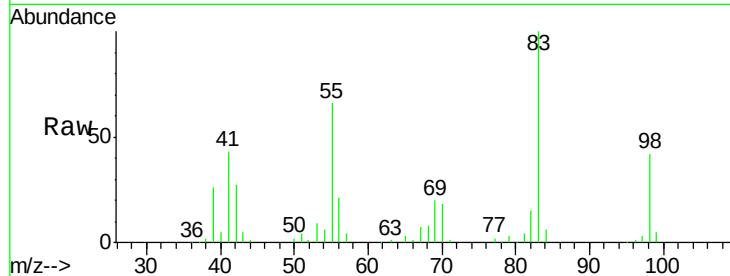




#39
Methylvlcyclohexane
Concen: 18.71 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

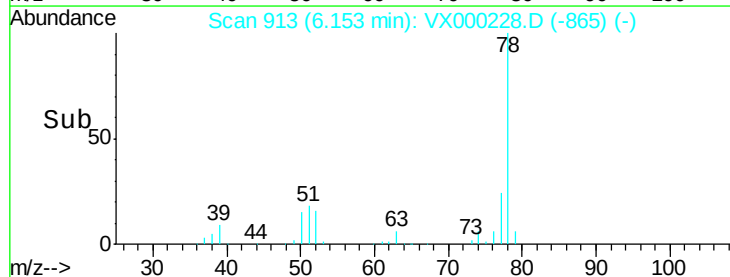
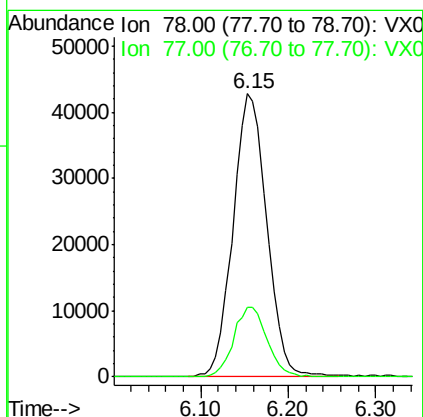
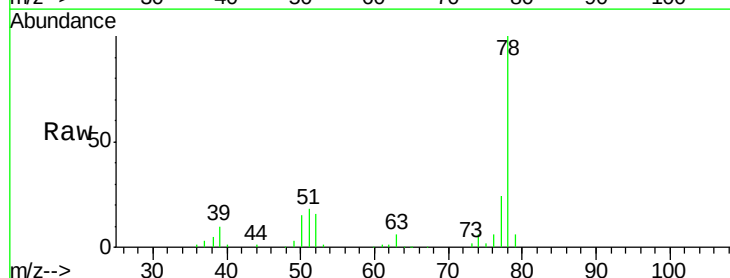
Instrument :
MSVOA_X
ClientSampleId :

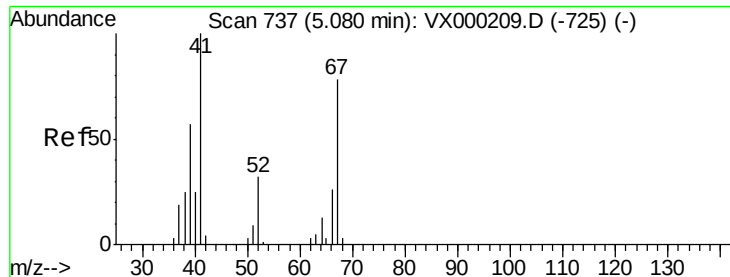
Tot Ion: 83 Resp: 46163
Ion Ratio Lower Upper
83 100
55 66.0 59.4 89.0
98 41.6 36.3 54.5



#40
Benzene
Concen: 19.84 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.01 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 78 Resp: 115017
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.2





#41

Methacrylonitrile

Concen: 19.38 ug/l

RT: 5.08 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 28694

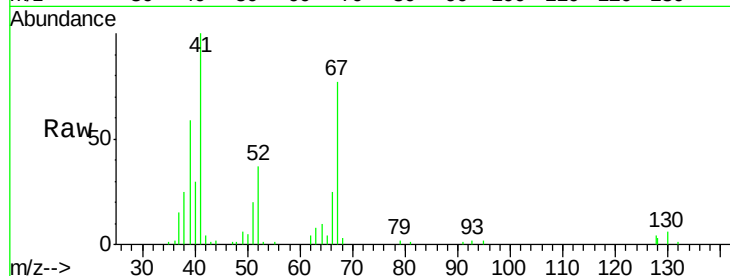
Ion Ratio Lower Upper

41 100

39 58.8 47.8 71.6

67 74.7 59.3 88.9

52 33.1 26.4 39.6

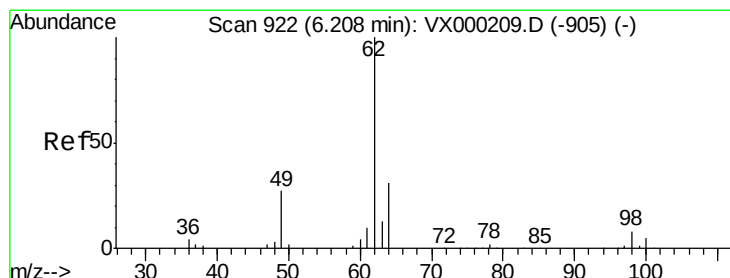
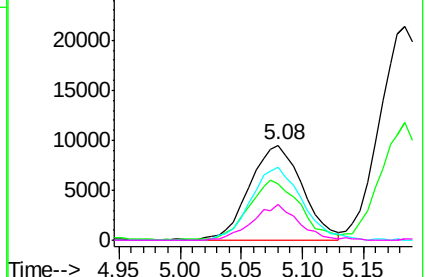
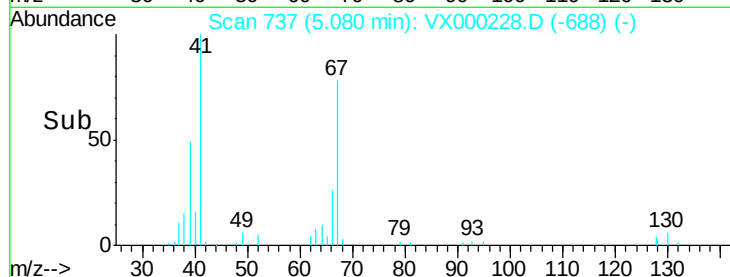


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.22 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX000228.D

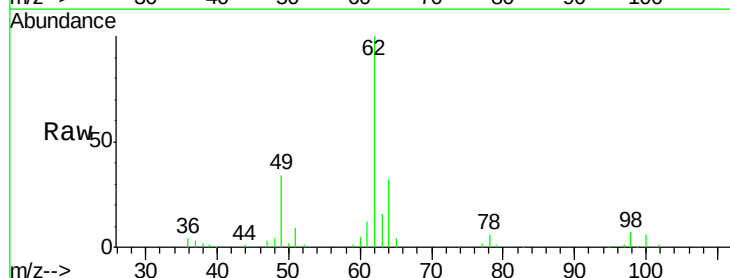
Acq: 08 Mar 2018 18:54

Tgt Ion: 62 Resp: 45985

Ion Ratio Lower Upper

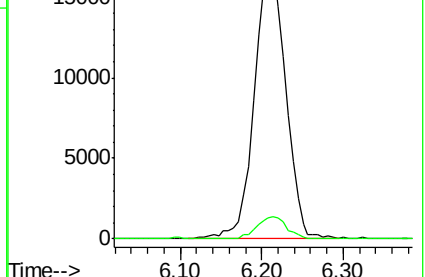
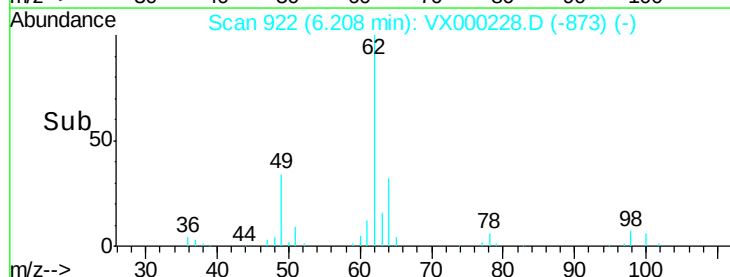
62 100

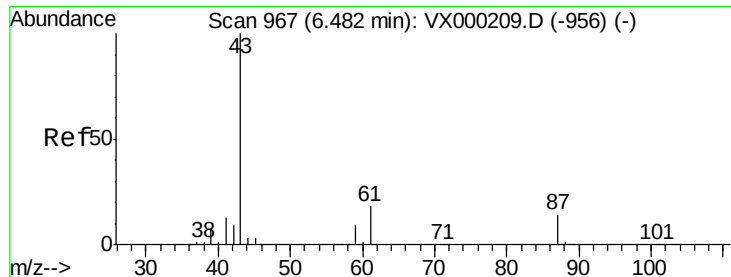
98 7.6 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.54 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

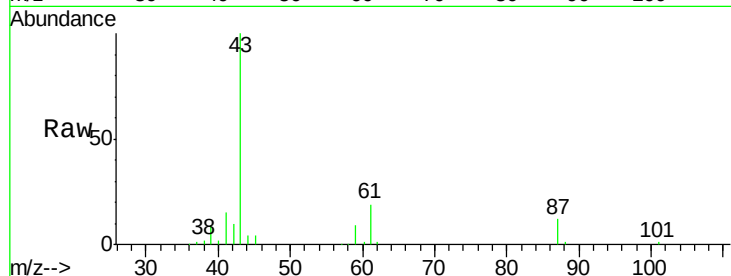
Tot Ion: 43 Resp: 82078

Ion Ratio Lower Upper

43 100

61 18.9 14.8 22.2

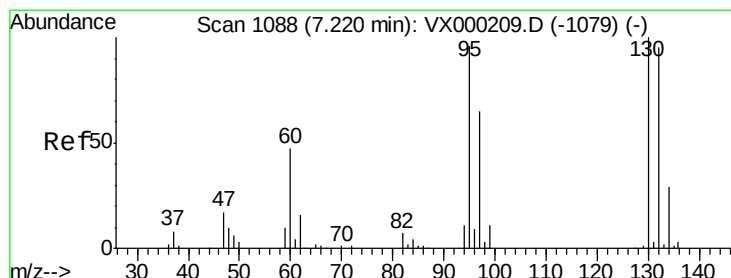
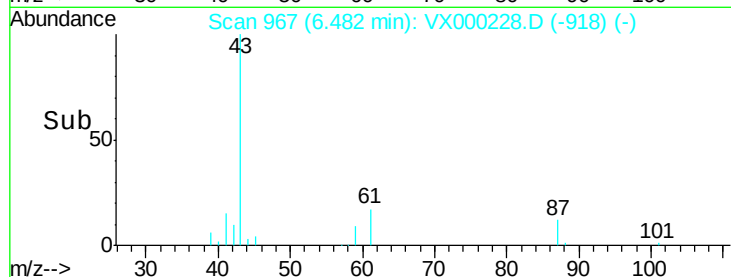
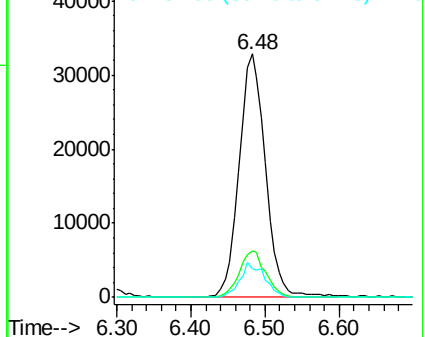
87 13.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.72 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX000228.D

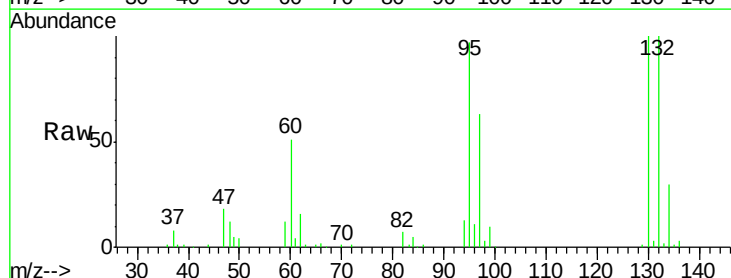
Acq: 08 Mar 2018 18:54

Tgt Ion: 130 Resp: 32731

Ion Ratio Lower Upper

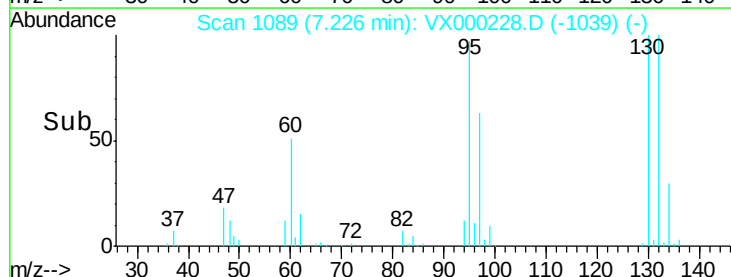
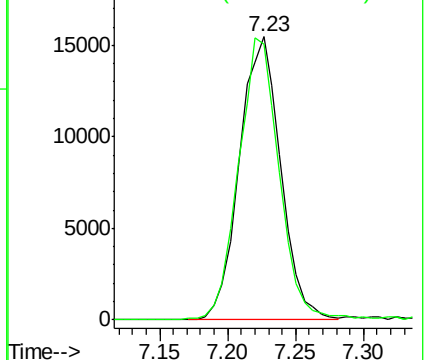
130 100

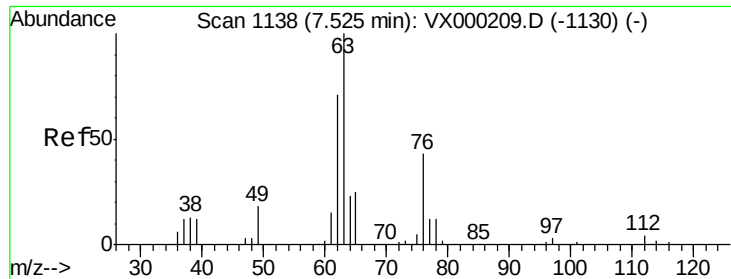
95 96.7 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

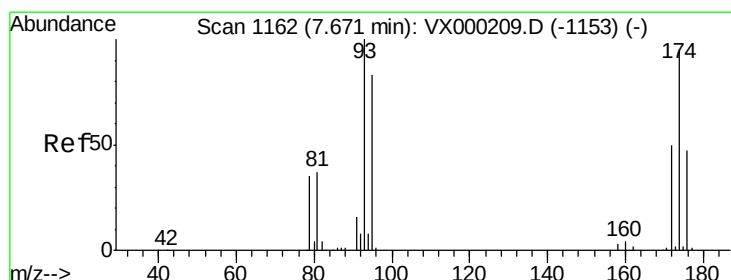
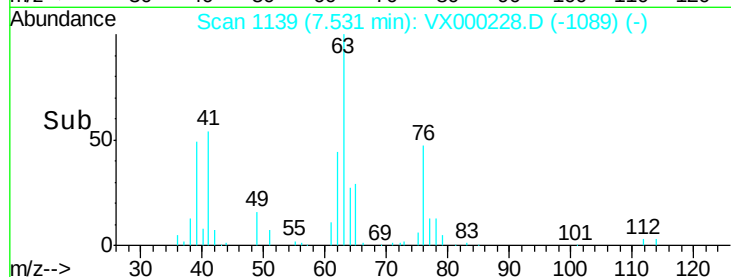
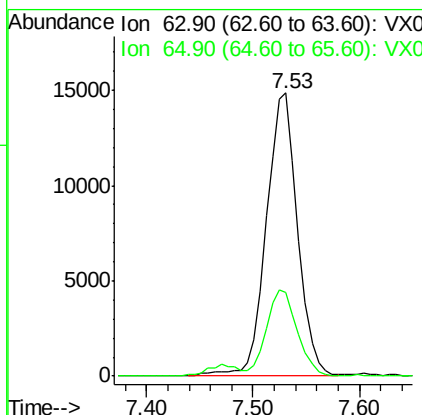
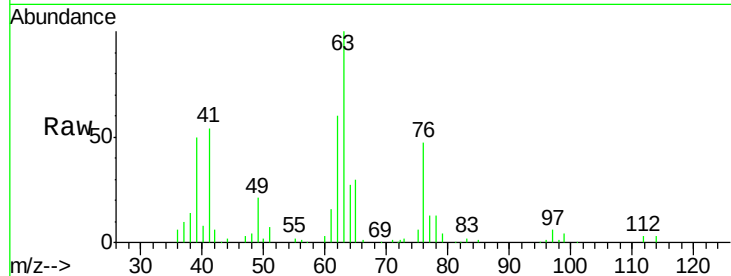




#45
 1,2-Dichloropropane
 Concen: 20.70 ug/l
 RT: 7.53 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

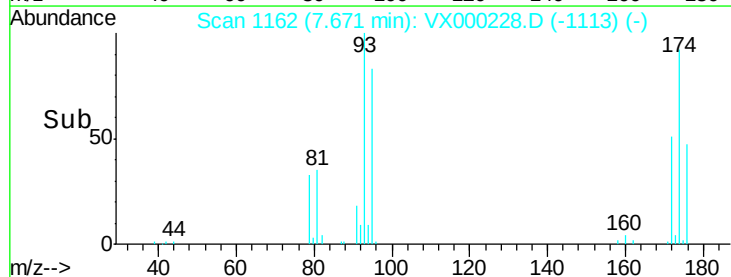
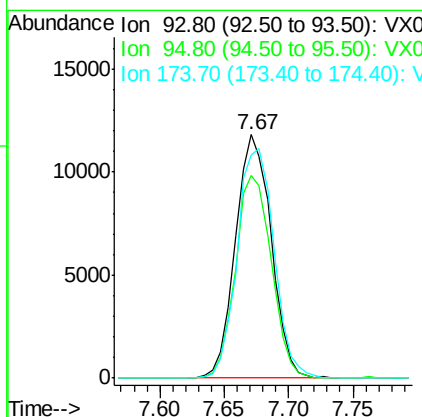
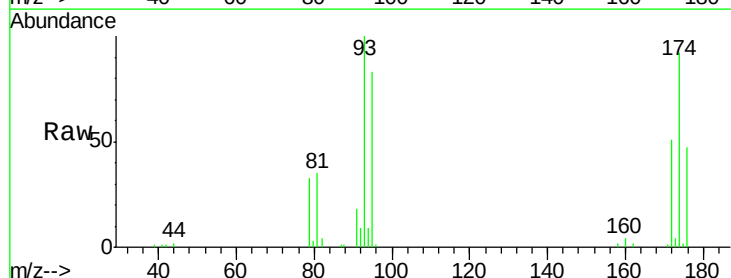
Instrument :
 MSVOA_X
 ClientSampleId :

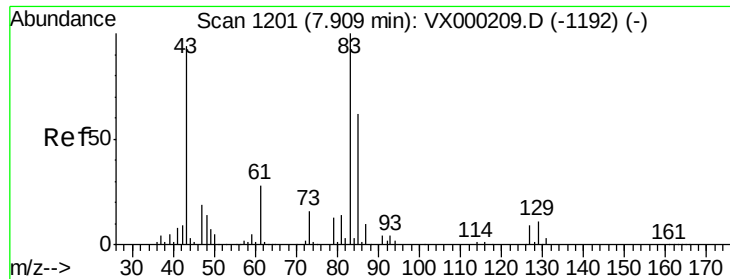
Tot Ion: 63 Resp: 30394
 Ion Ratio Lower Upper
 63 100
 65 29.7 22.3 33.5



#46
 Dibromomethane
 Concen: 19.59 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Tgt Ion: 93 Resp: 22759
 Ion Ratio Lower Upper
 93 100
 95 83.3 64.1 96.1
 174 96.7 75.8 113.8





#47

Bromodichloromethane

Concen: 20.40 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

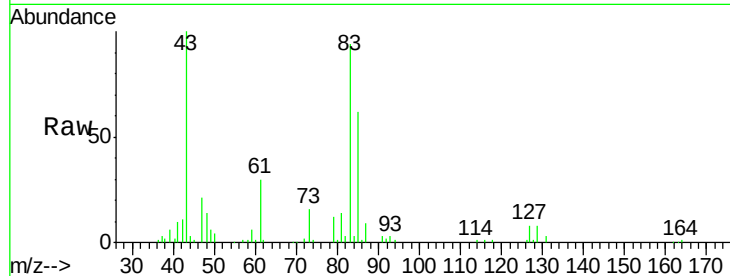
Tot Ion: 83 Resp: 41690

Ion Ratio Lower Upper

83 100

85 66.3 49.6 74.4

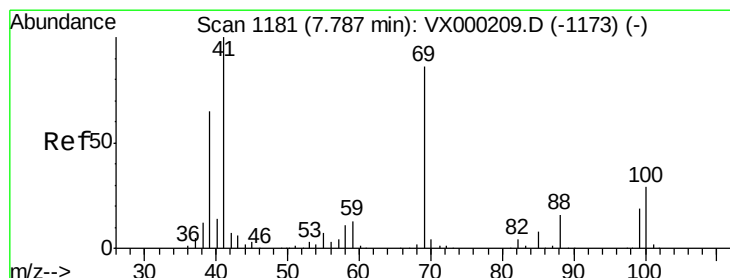
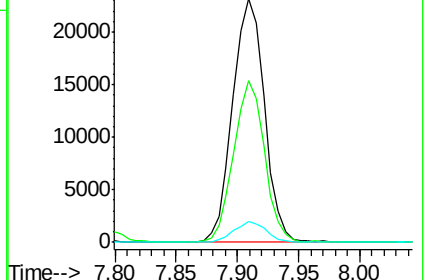
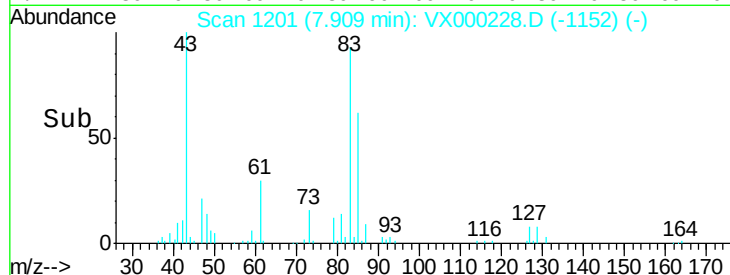
127 8.6 7.0 10.4



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): VX0



#48

Methyl methacrylate

Concen: 19.67 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

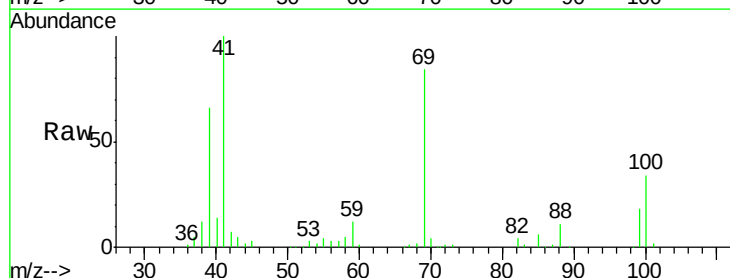
Tgt Ion: 41 Resp: 40702

Ion Ratio Lower Upper

41 100

69 84.7 70.0 105.0

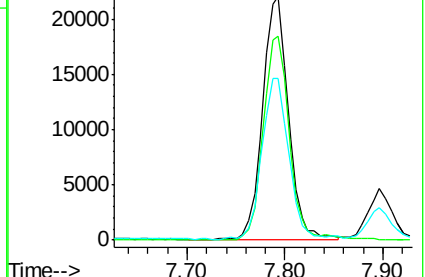
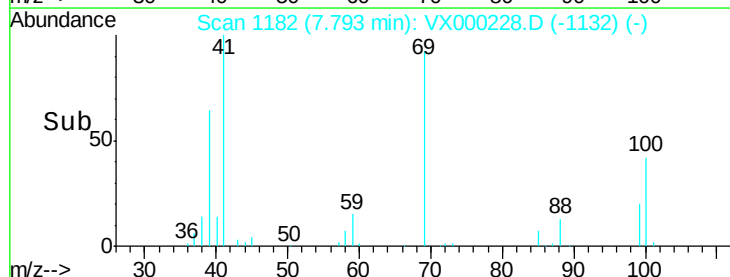
39 69.8 53.6 80.4

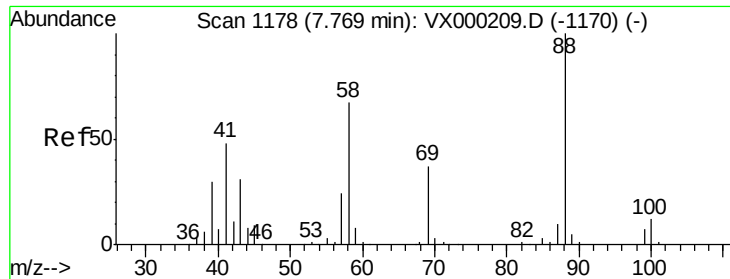


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

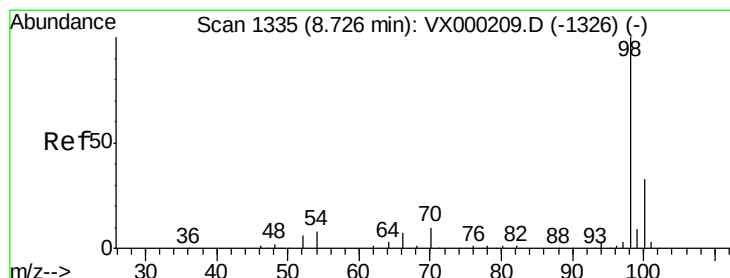
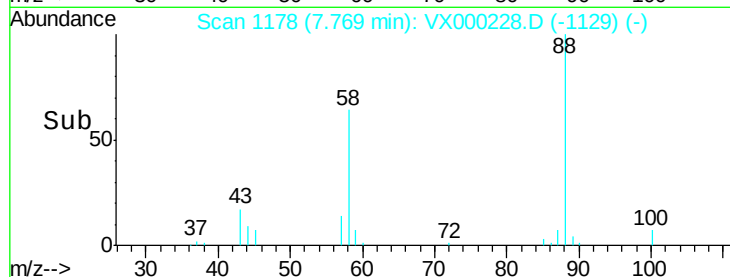
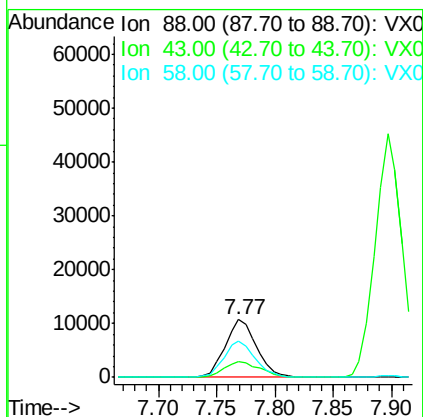
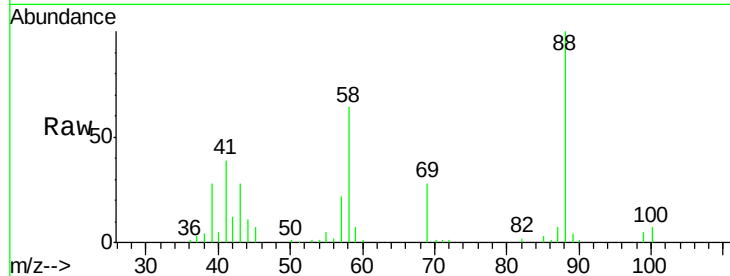




#49
1,4-Dioxane
Concen: 424.44 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

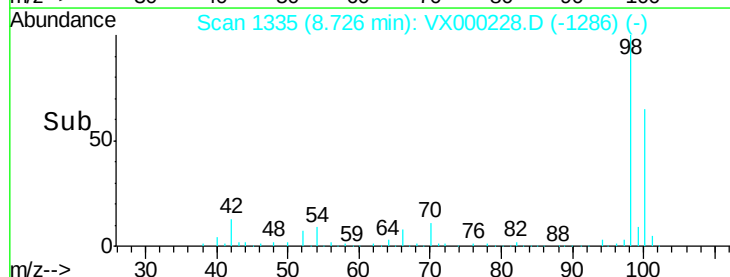
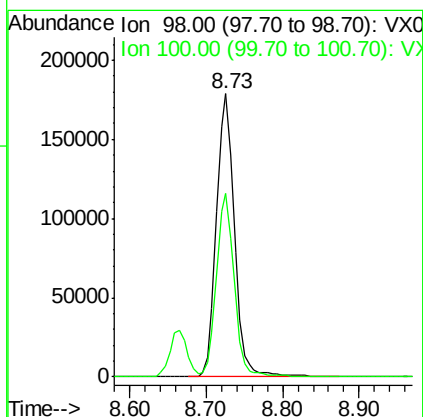
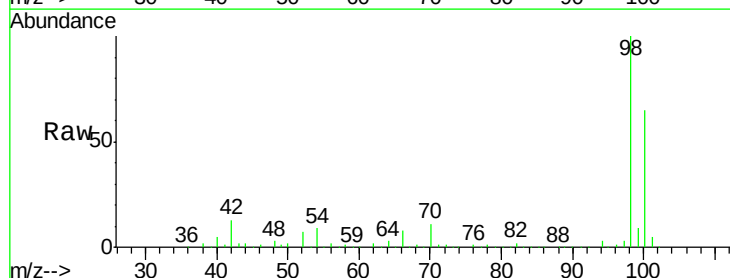
Instrument :
MSVOA_X
ClientSampled :

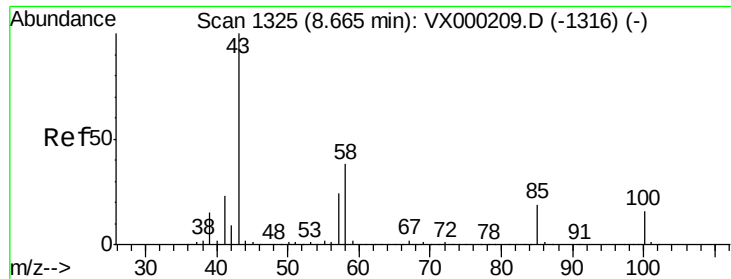
Tot Ion: 88 Resp: 19935
Ion Ratio Lower Upper
88 100
43 31.9 26.9 40.3
58 63.2 52.2 78.4



#50
Toluene-d8
Concen: 49.86 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 98 Resp: 293066
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 102.36 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

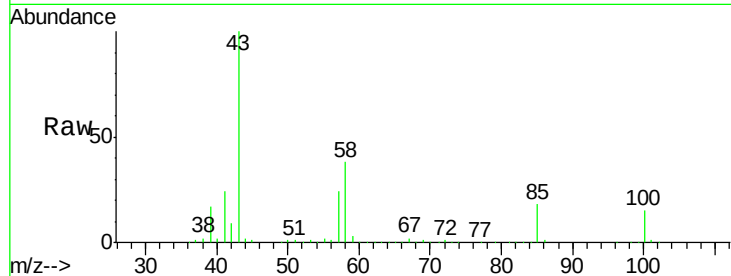
ClientSampled :

Tot Ion: 43 Resp: 324536

Ion Ratio Lower Upper

43 100

58 36.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

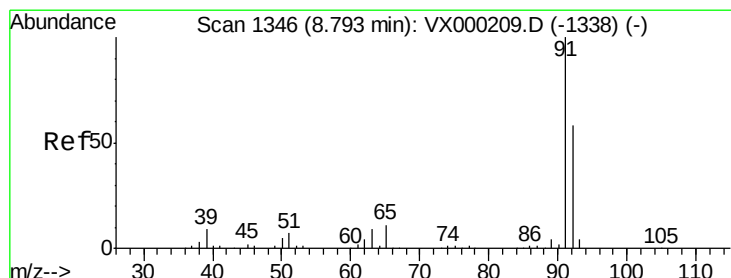
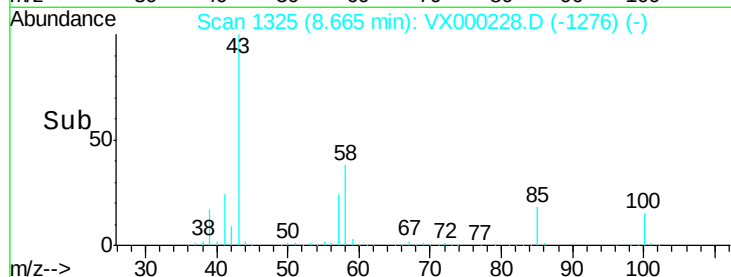
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.09 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000228.D

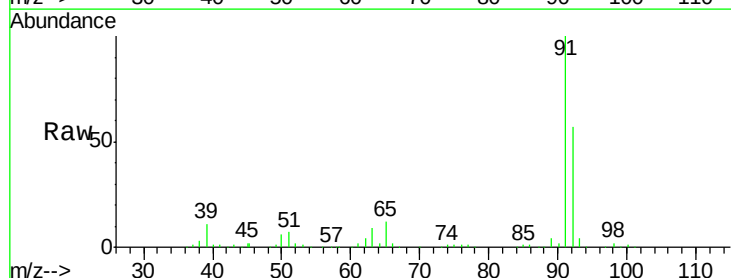
Acq: 08 Mar 2018 18:54

Tgt Ion: 92 Resp: 79852

Ion Ratio Lower Upper

92 100

91 176.6 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

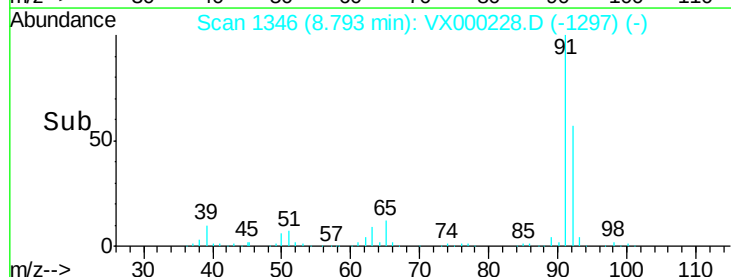
60000

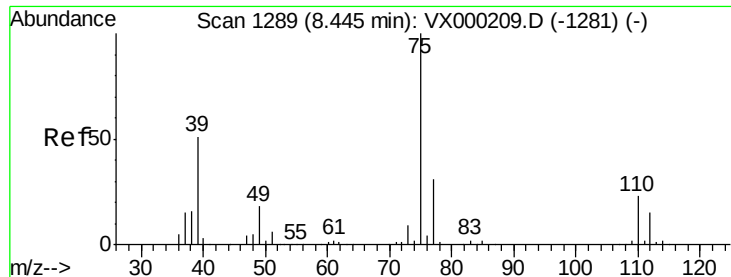
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.67 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

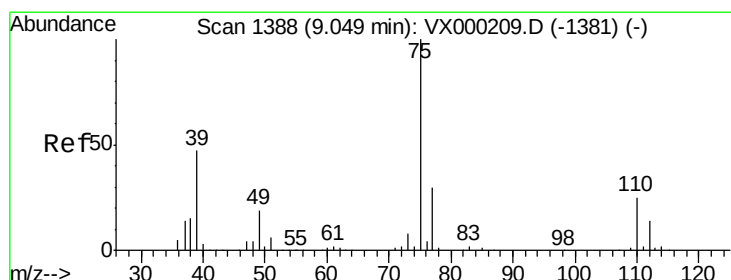
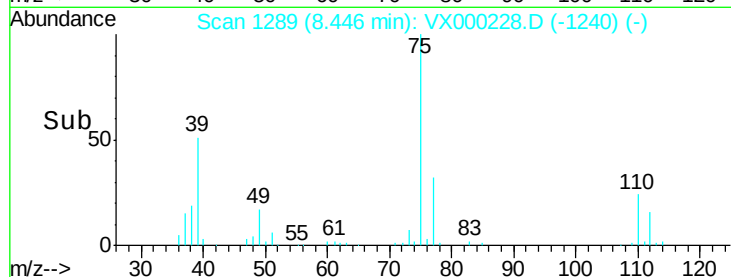
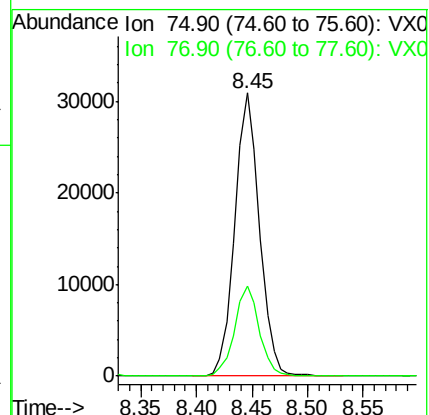
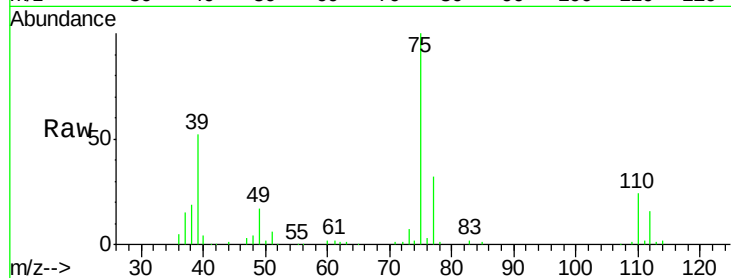
ClientSampleId :

Tot Ion: 75 Resp: 47370

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 20.05 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

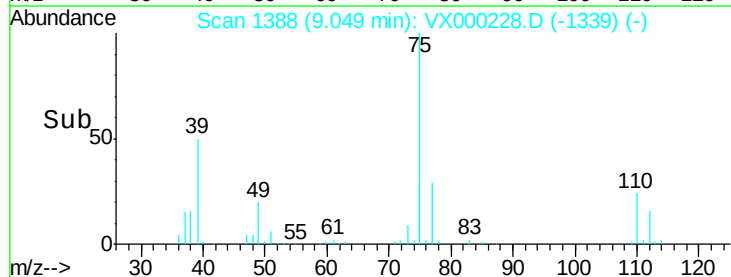
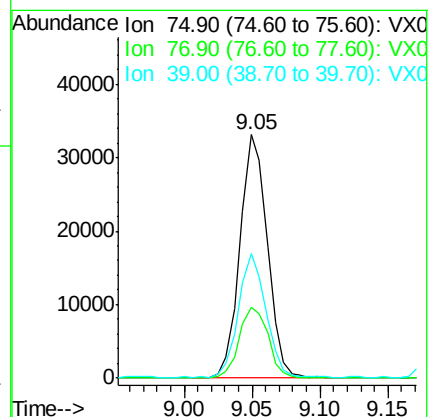
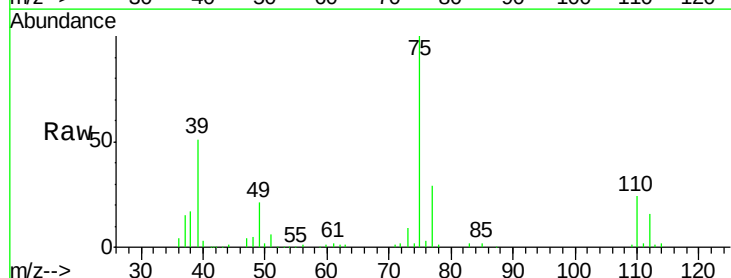
Tgt Ion: 75 Resp: 46705

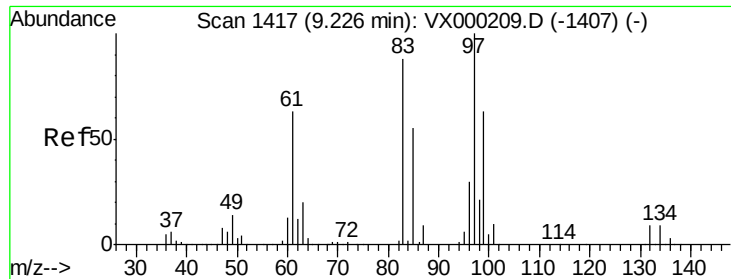
Ion Ratio Lower Upper

75 100

77 29.1 23.9 35.9

39 50.9 37.4 56.2

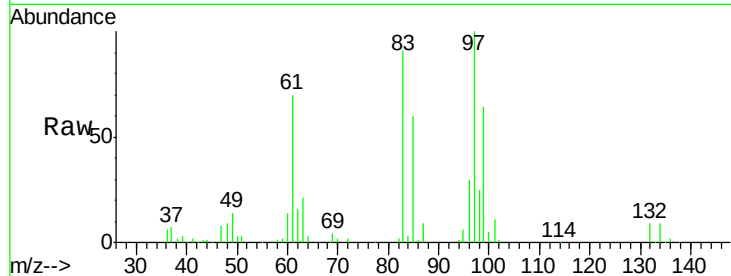




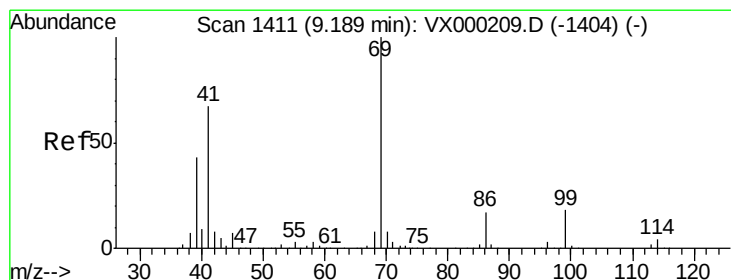
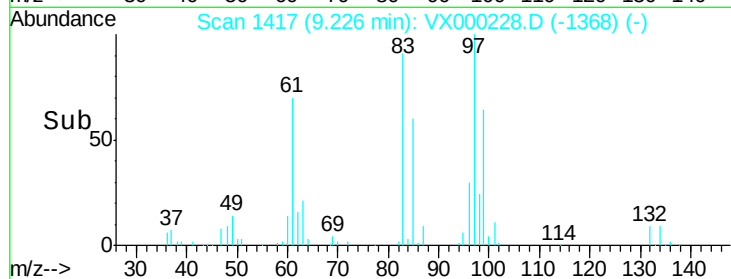
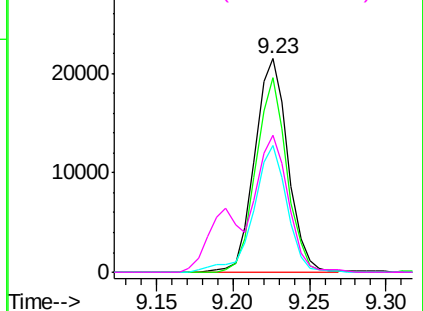
#55
 1,1,2-Trichloroethane
 Concen: 20.19 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	32497
Ion	Ratio	Lower	Upper
97	100		
83	91.2	70.4	105.6
85	59.3	43.9	65.9
99	63.4	50.5	75.7

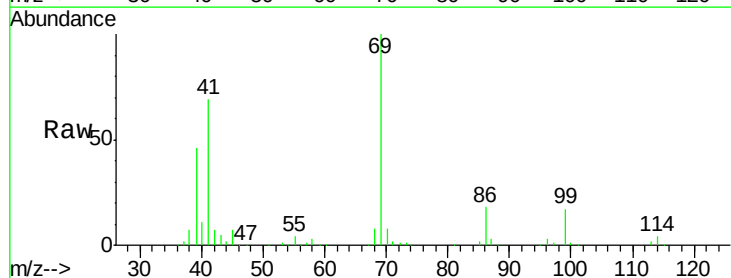


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

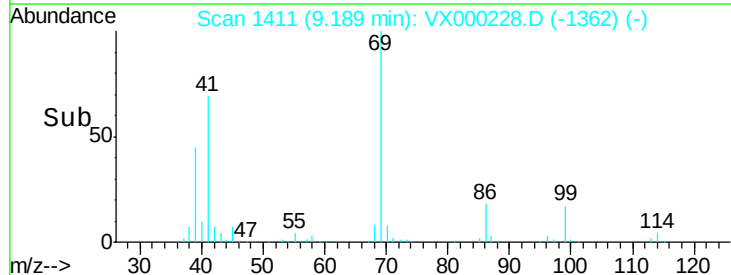
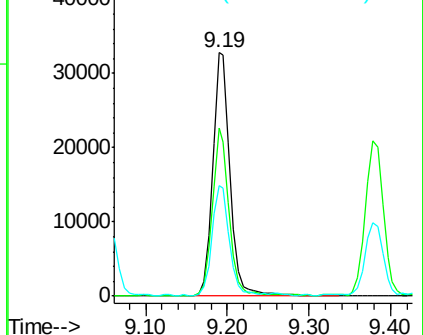


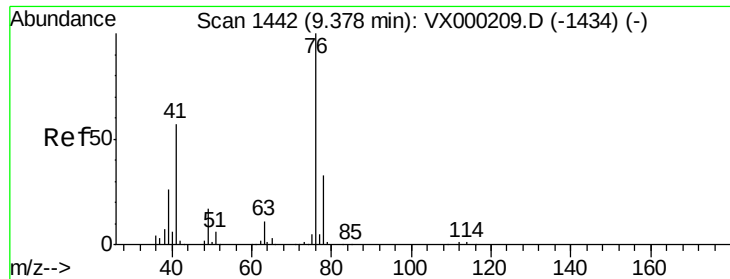
#56
 Ethyl methacrylate
 Concen: 20.60 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Tgt Ion:	69	Resp:	49611
Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.2	78.2
39	45.4	34.3	51.5



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

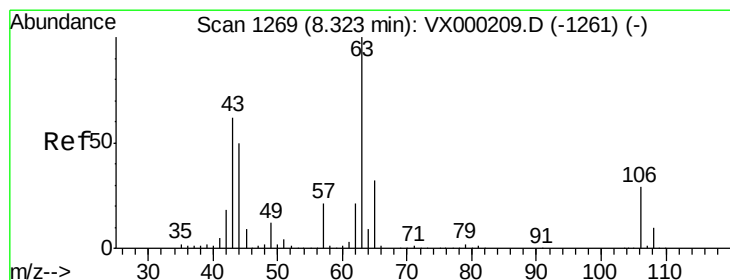
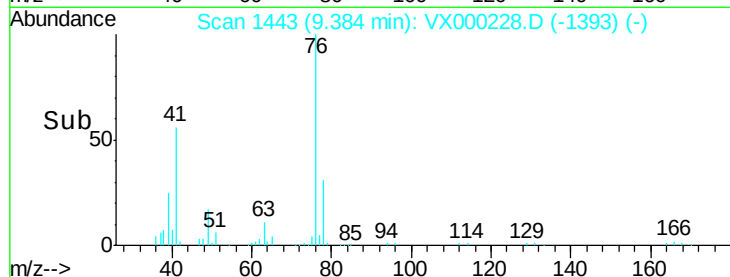
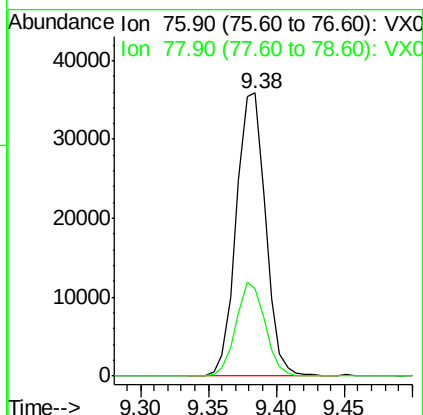
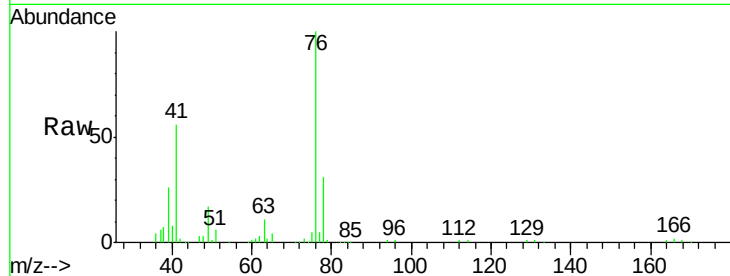




#57
 1,3-Dichloropropane
 Concen: 19.88 ug/l
 RT: 9.38 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

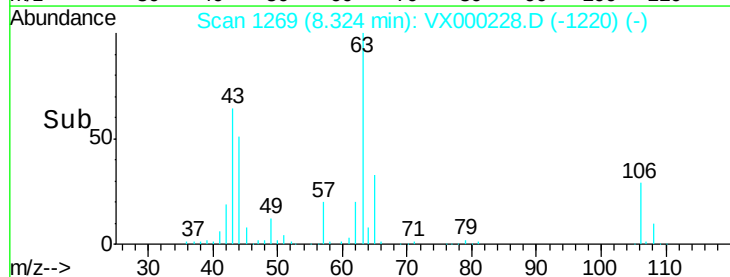
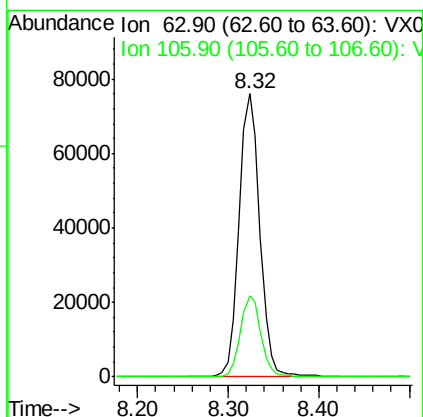
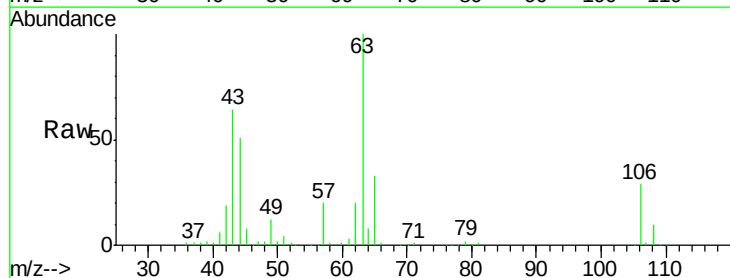
Instrument :
 MSVOA_X
 ClientSampled :

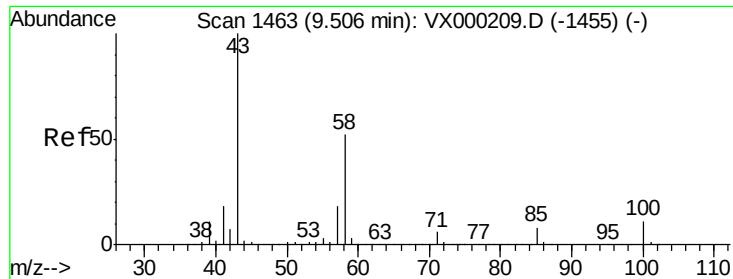
Tot Ion: 76 Resp: 53726
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.78 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Tgt Ion: 63 Resp: 121343
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.2 34.8

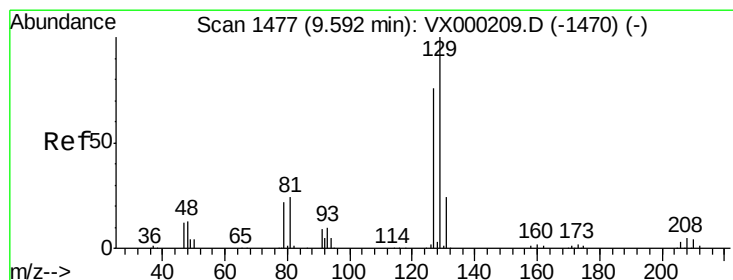
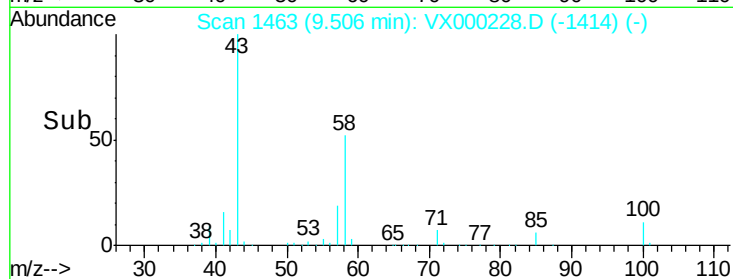
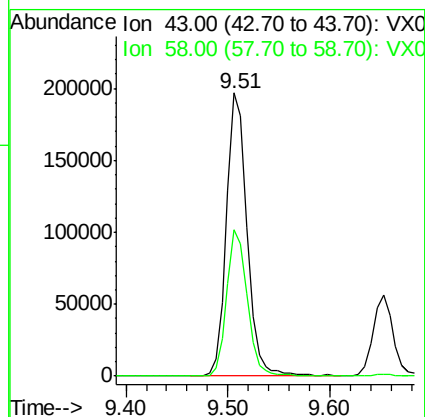
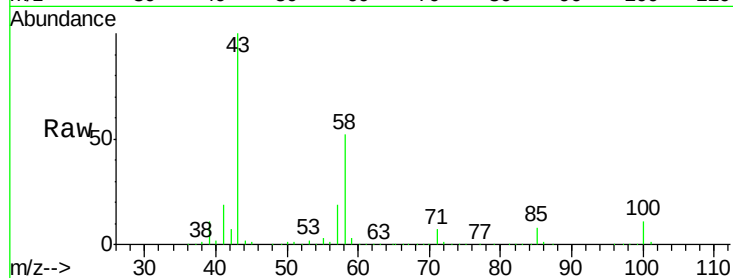




#59
2-Hexanone
Concen: 102.58 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

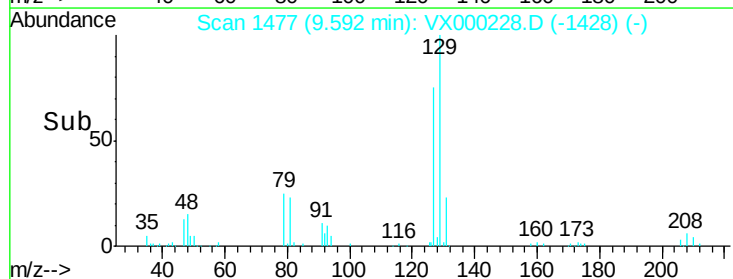
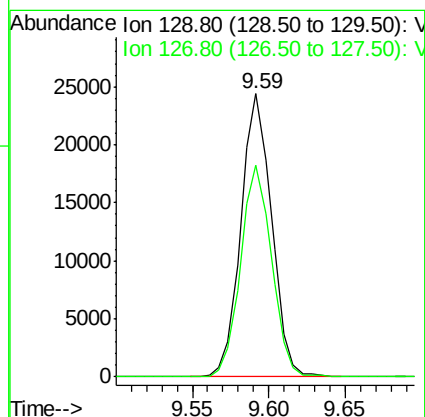
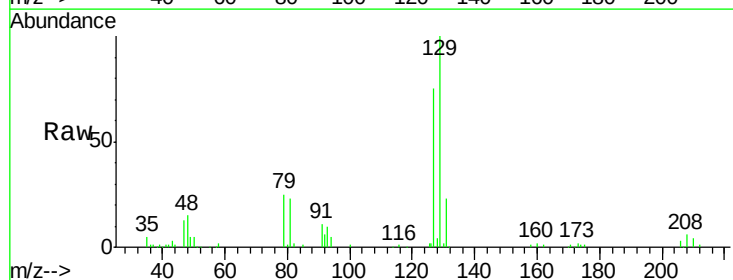
Instrument :
MSVOA_X
ClientSampleId :

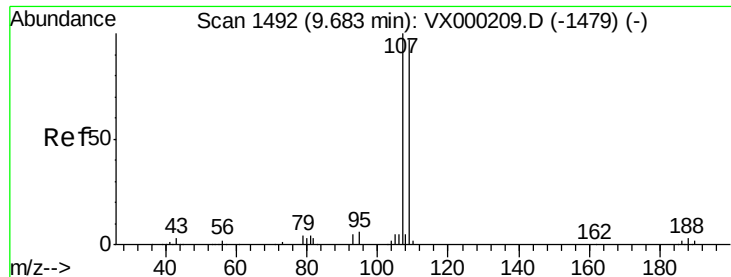
Tot Ion: 43 Resp: 277319
Ion Ratio Lower Upper
43 100
58 51.6 26.6 79.7



#60
Dibromochloromethane
Concen: 19.97 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 129 Resp: 33884
Ion Ratio Lower Upper
129 100
127 75.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.20 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

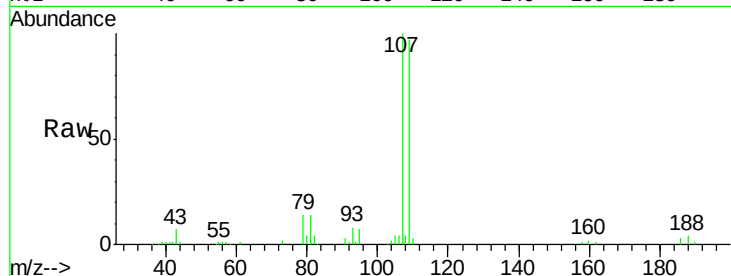
ClientSampleId :

Tot Ion:107 Resp: 36110

Ion Ratio Lower Upper

107 100

109 94.2 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

25000

20000

15000

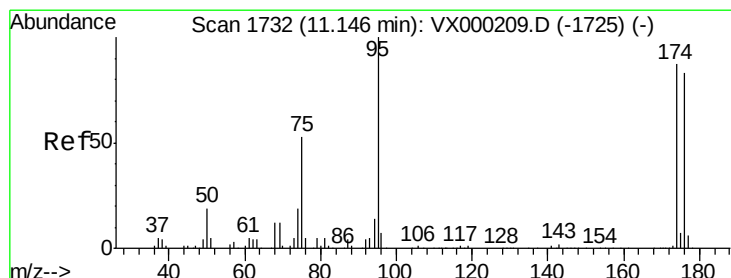
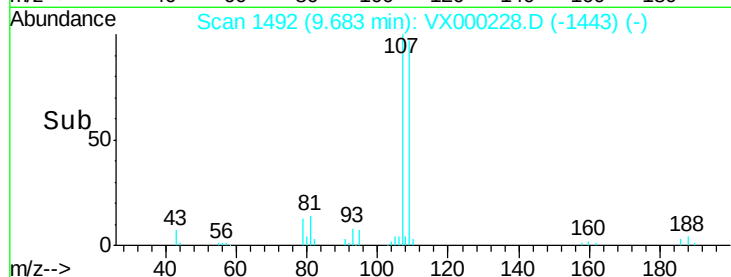
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.09 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

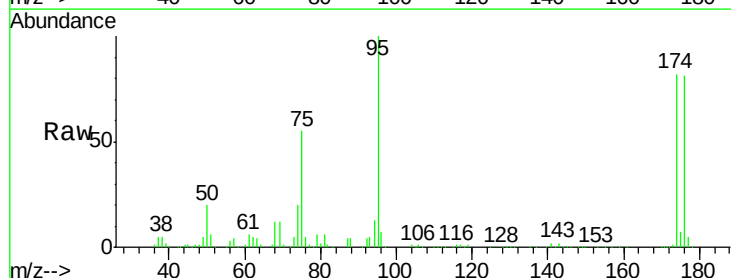
Tgt Ion: 95 Resp: 112617

Ion Ratio Lower Upper

95 100

174 82.7 0.0 175.6

176 81.0 0.0 171.0



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

11.15

120000

100000

80000

60000

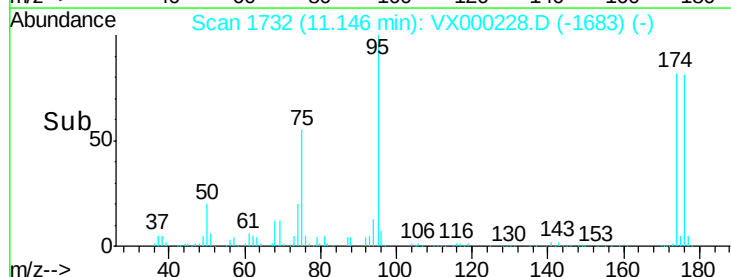
40000

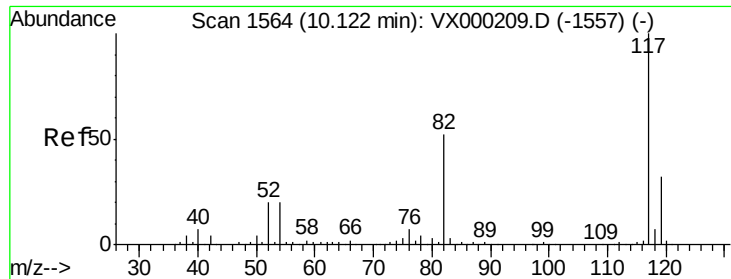
20000

0

Time-->

11.10 11.20

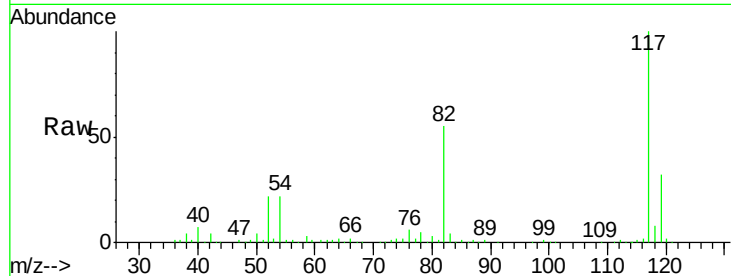




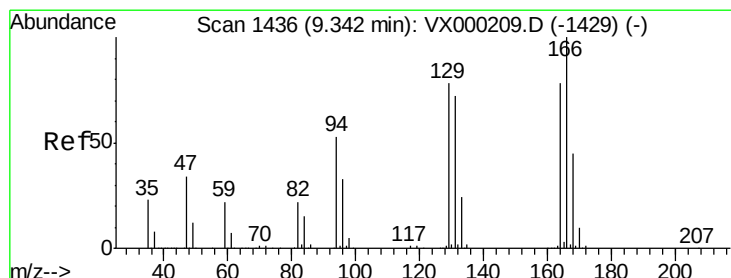
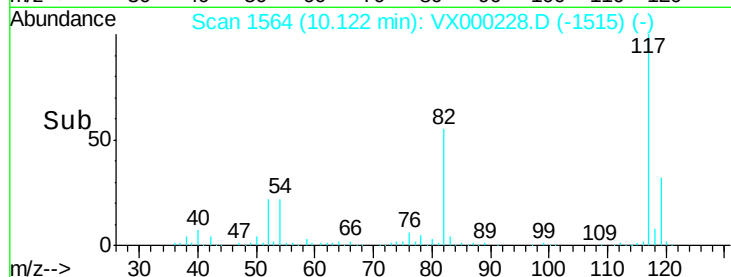
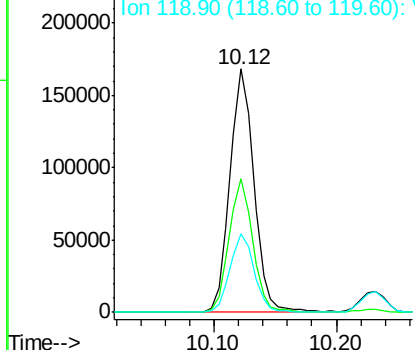
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 229098
Ion Ratio Lower Upper
117 100
82 54.7 42.0 63.0
119 32.2 25.3 37.9

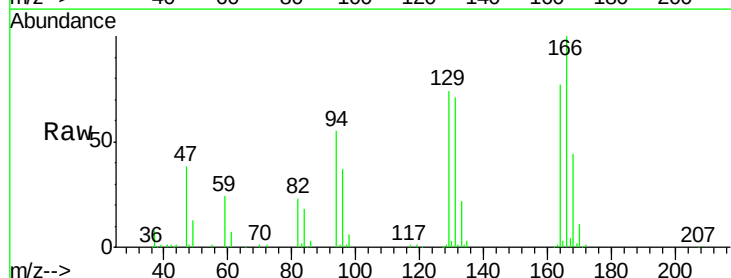


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

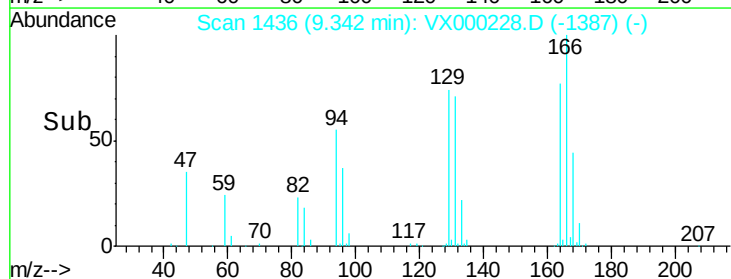
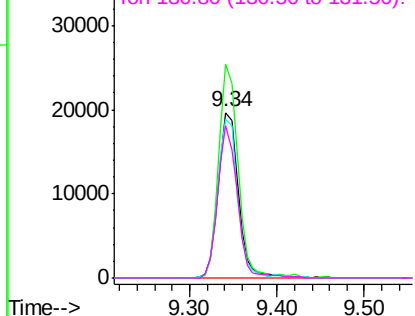


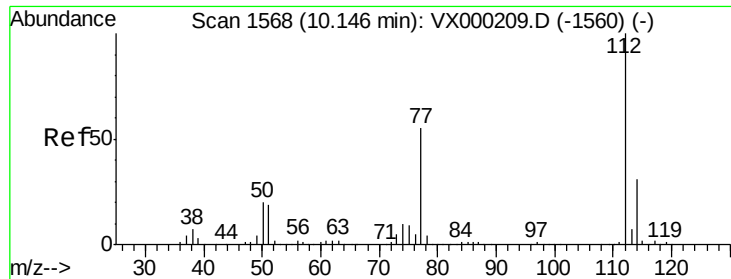
#64
Tetrachloroethene
Concen: 19.66 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion:164 Resp: 31509
Ion Ratio Lower Upper
164 100
166 129.2 103.0 154.6
129 96.0 80.2 120.4
131 92.3 74.2 111.4



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

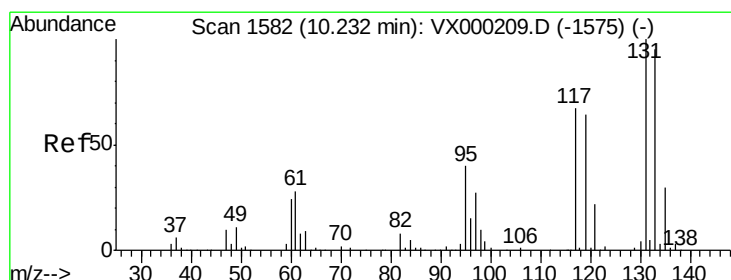
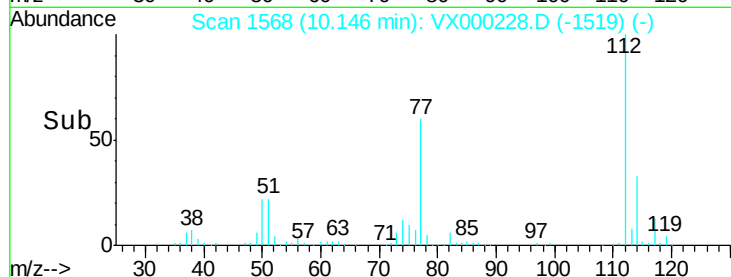
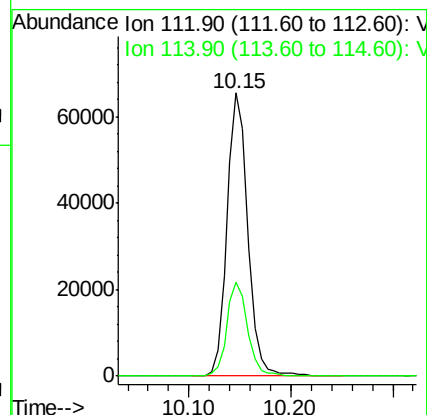
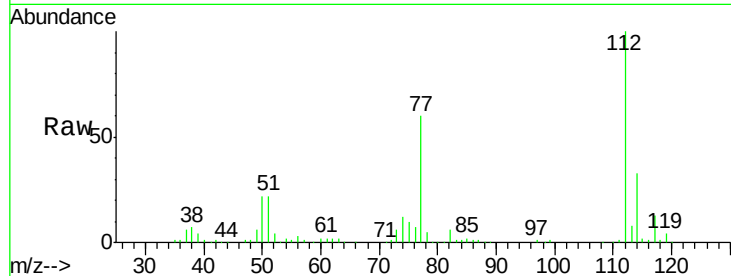




#65
Chlorobenzene
Concen: 20.08 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

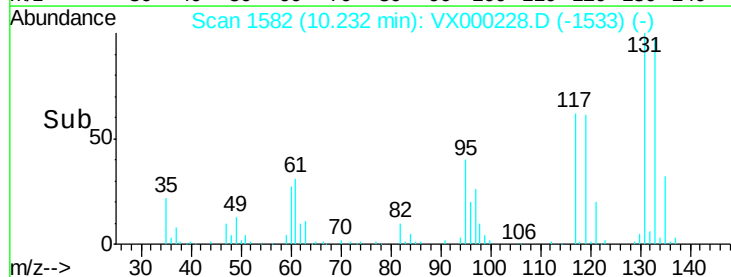
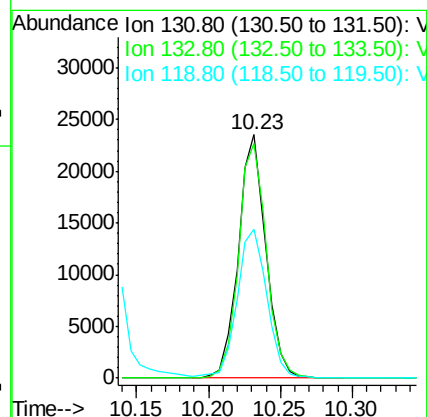
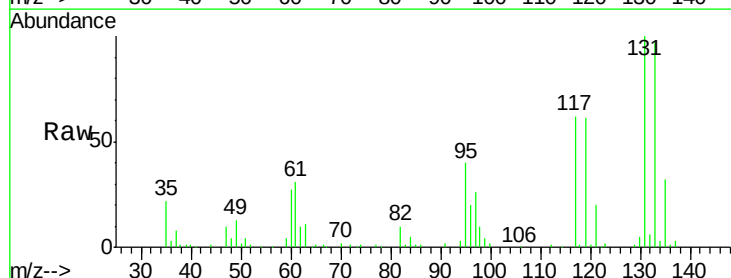
Instrument :
MSVOA_X
ClientSampleId :

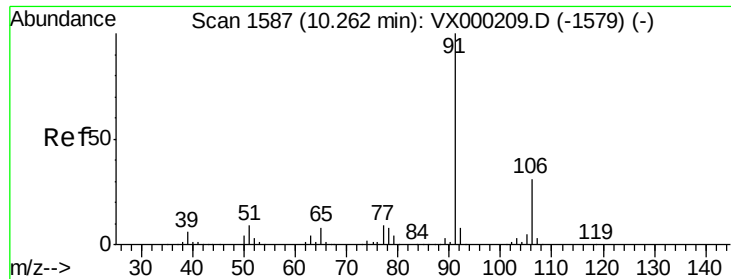
Tot Ion:112 Resp: 92904
Ion Ratio Lower Upper
112 100
114 33.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.79 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion:131 Resp: 31305
Ion Ratio Lower Upper
131 100
133 97.9 48.3 144.9
119 66.5 32.3 96.8

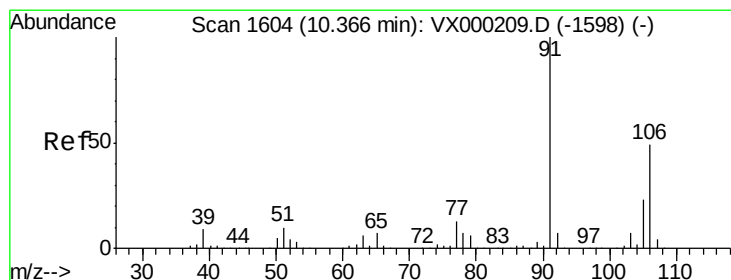
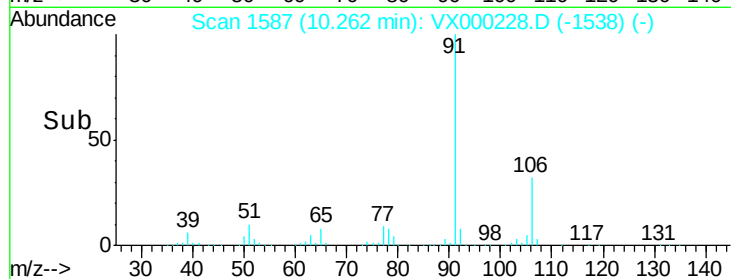
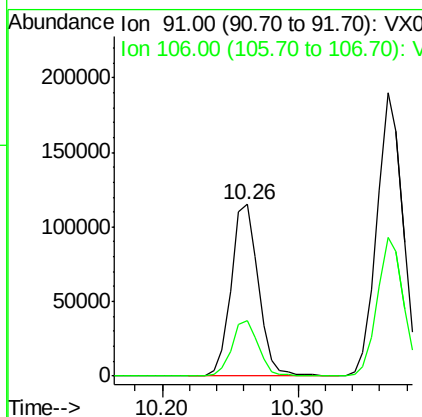
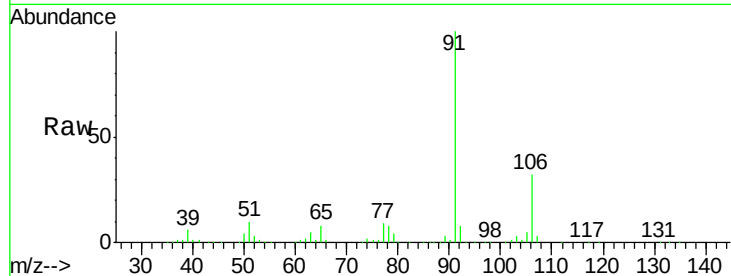




#67
Ethyl Benzene
Concen: 19.98 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

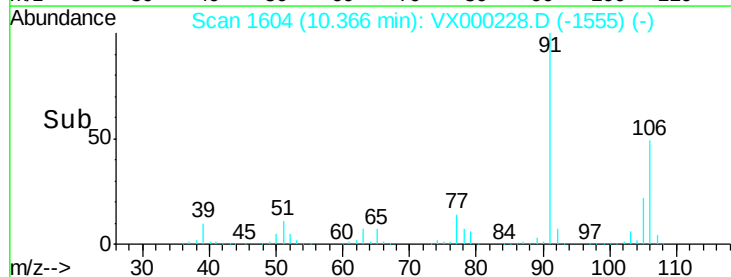
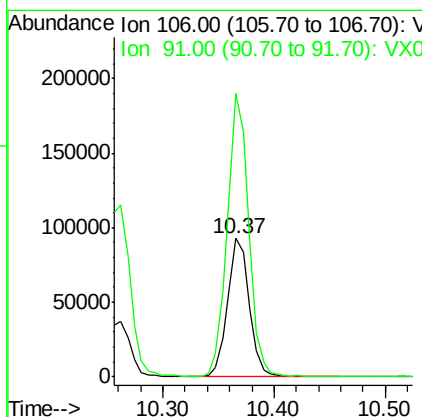
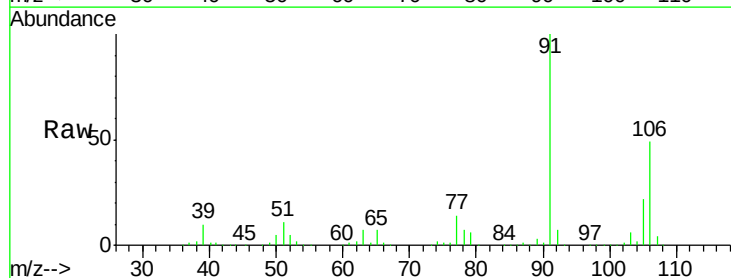
Instrument :
MSVOA_X
ClientSampleId :

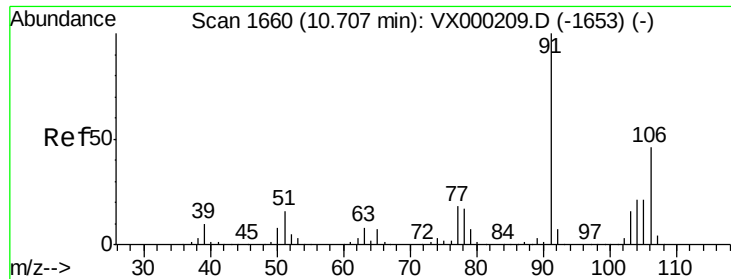
Tot Ion: 91 Resp: 161357
Ion Ratio Lower Upper
91 100
106 32.3 25.2 37.8



#68
m/p-Xylenes
Concen: 40.32 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 106 Resp: 125291
Ion Ratio Lower Upper
106 100
91 201.3 160.9 241.3

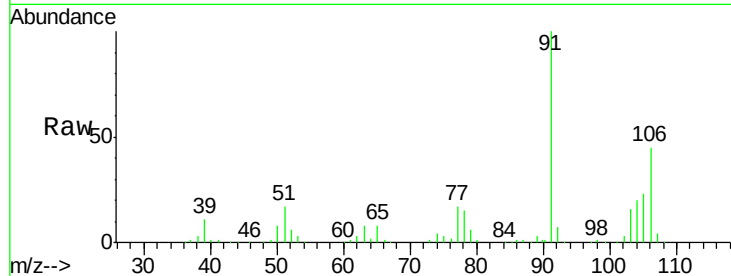




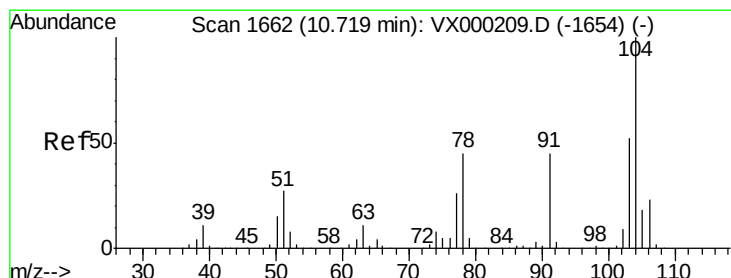
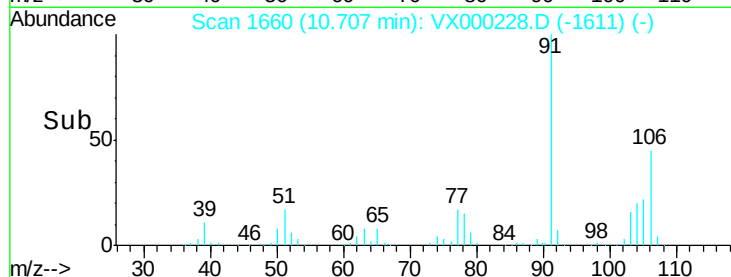
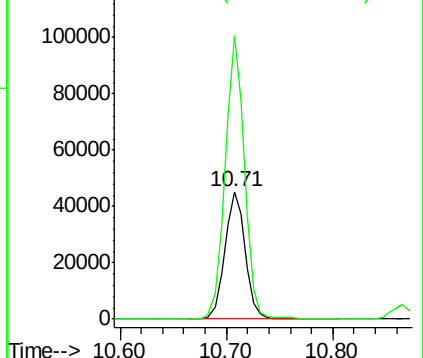
#69
o-Xylene
Concen: 20.24 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 60456
Ion Ratio Lower Upper
106 100
91 212.2 105.9 317.7

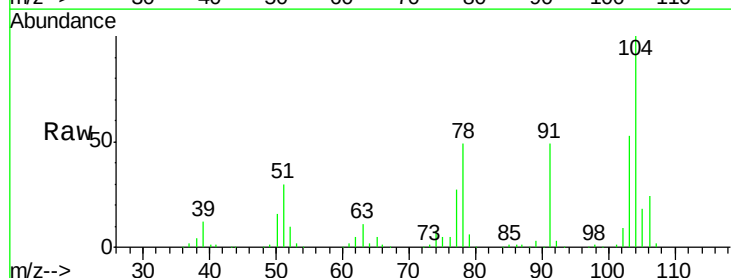


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

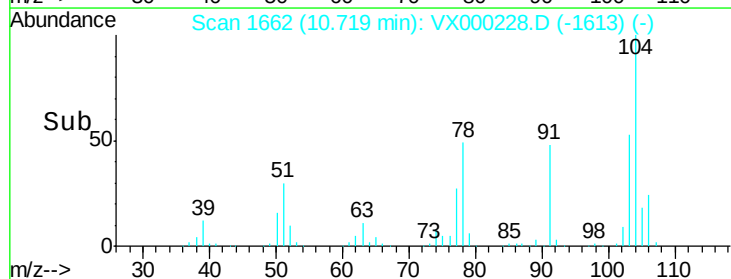
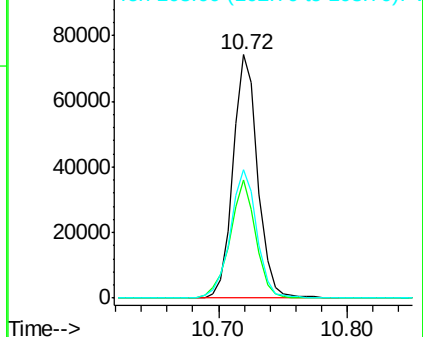


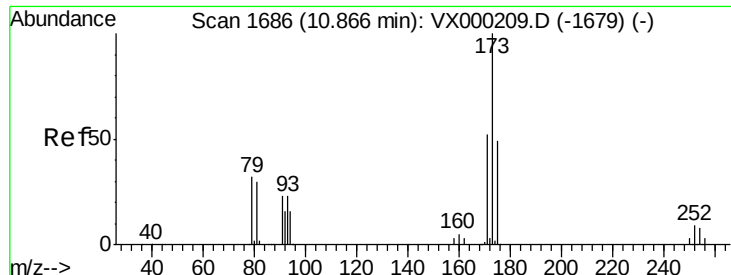
#70
Styrene
Concen: 19.99 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion:104 Resp: 99069
Ion Ratio Lower Upper
104 100
78 51.0 39.6 59.4
103 57.1 45.0 67.6



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: 17.90 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

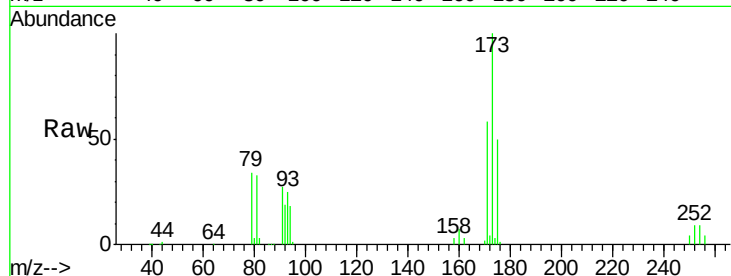
Tot Ion:173 Resp: 25459

Ion Ratio Lower Upper

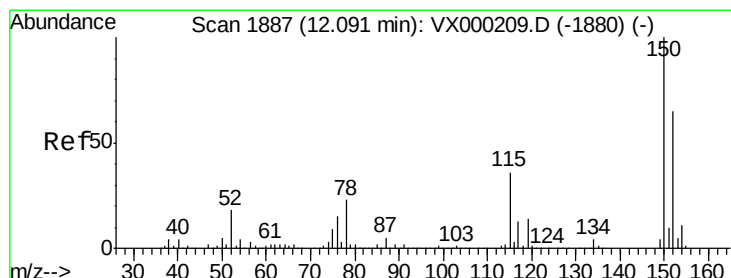
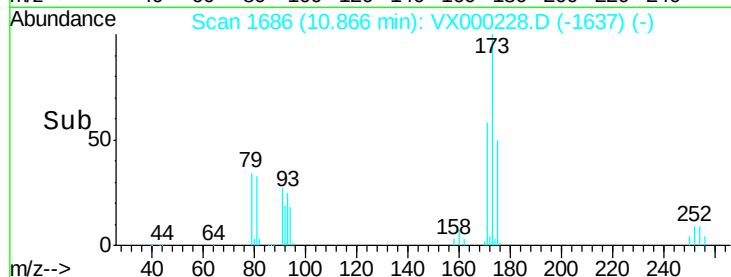
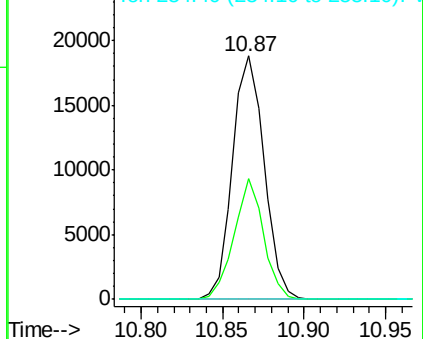
173 100

175 46.1 24.4 73.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

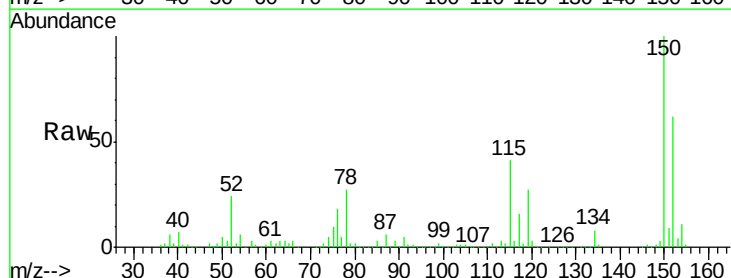
Tgt Ion:152 Resp: 127747

Ion Ratio Lower Upper

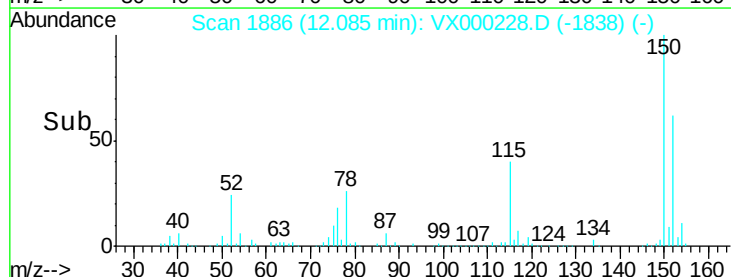
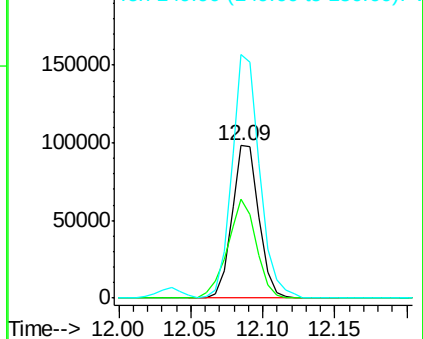
152 100

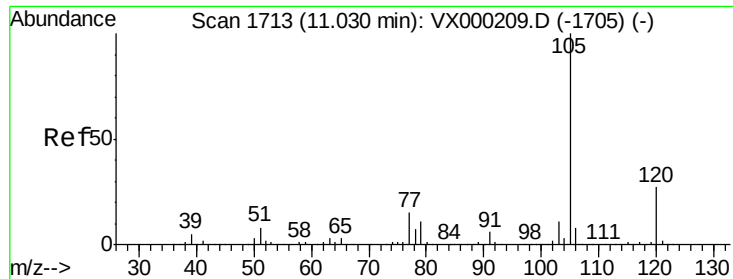
115 69.3 39.8 119.3

150 165.6 0.0 345.0



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: 20.83 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

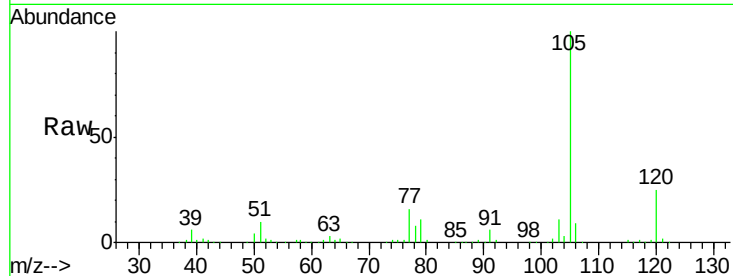
ClientSampled :

Tot Ion:105 Resp: 166617

Ion Ratio Lower Upper

105 100

120 25.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

150000

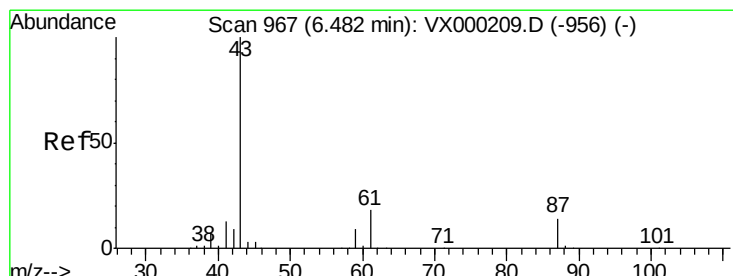
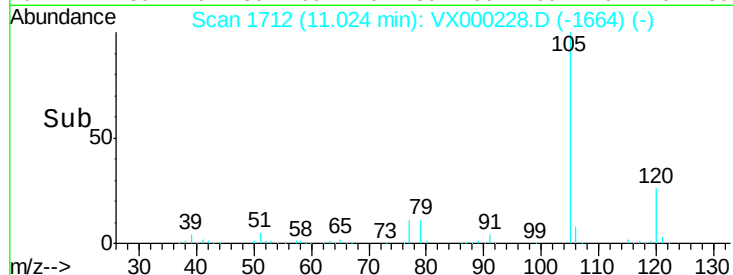
100000

50000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 20.06 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Tgt Ion: 43 Resp: 82078

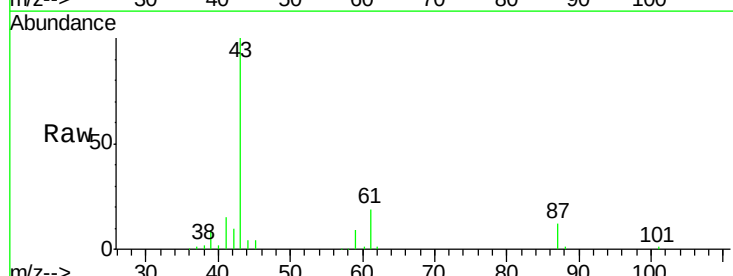
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.9 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

50000

40000

30000

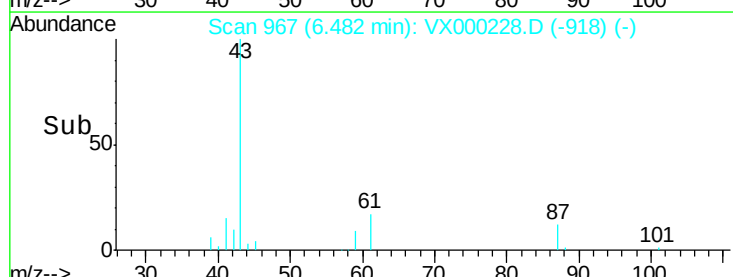
20000

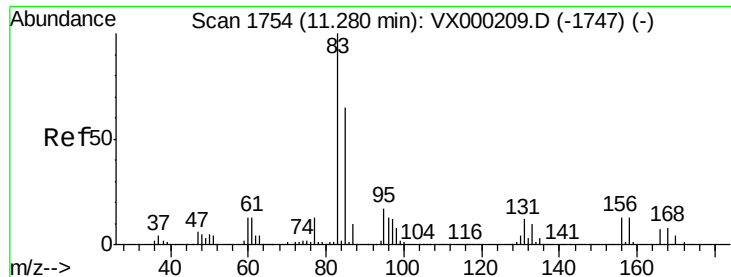
10000

0

Time-->

6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.13 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

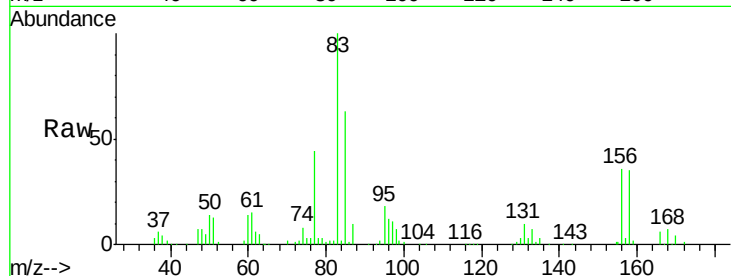
Tot Ion: 83 Resp: 59260

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.5

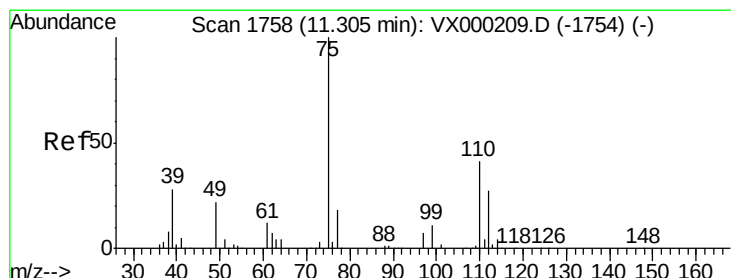
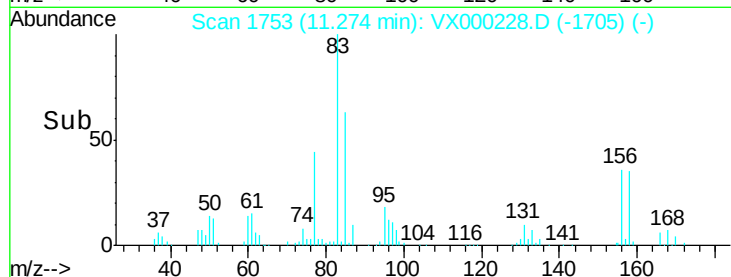
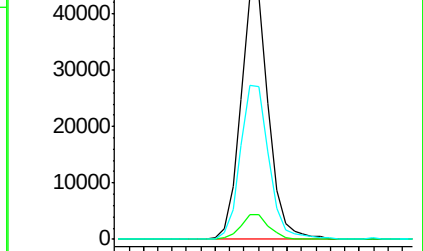
85 63.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VX000228.D (-1705) (-)

Ion 130.80 (130.50 to 131.50): VX000228.D (-1705) (-)

Ion 84.90 (84.60 to 85.60): VX000228.D (-1705) (-)



#76

1,2,3-Trichloropropane

Concen: 26.23 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000228.D

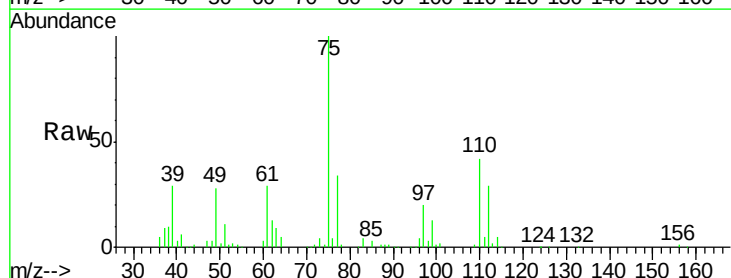
Acq: 08 Mar 2018 18:54

Tgt Ion: 75 Resp: 67176

Ion Ratio Lower Upper

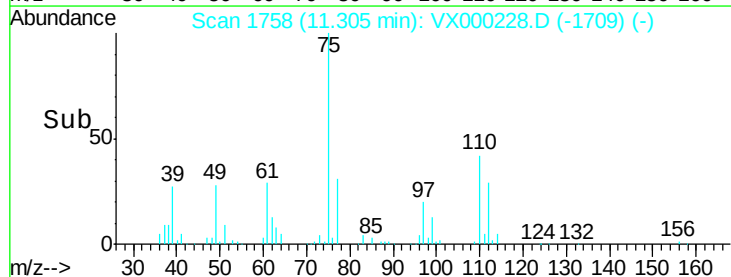
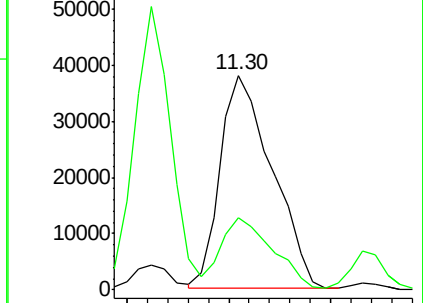
75 100

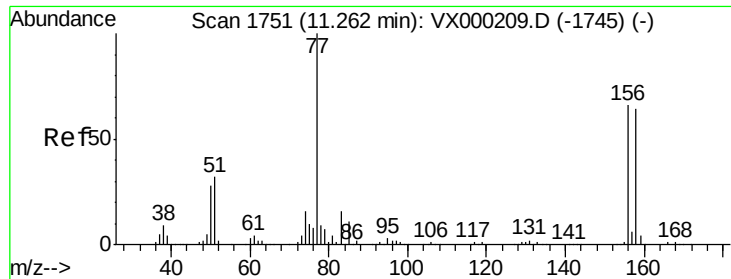
77 33.9 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX000228.D (-1709) (-)

Ion 77.00 (76.70 to 77.70): VX000228.D (-1709) (-)





#77

Bromobenzene

Concen: 19.76 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

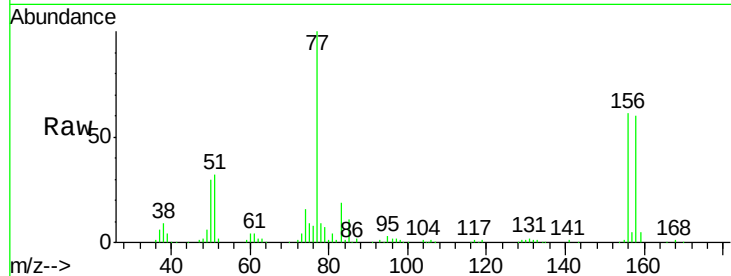
Tot Ion:156 Resp: 40869

Ion Ratio Lower Upper

156 100

77 152.6 71.9 215.7

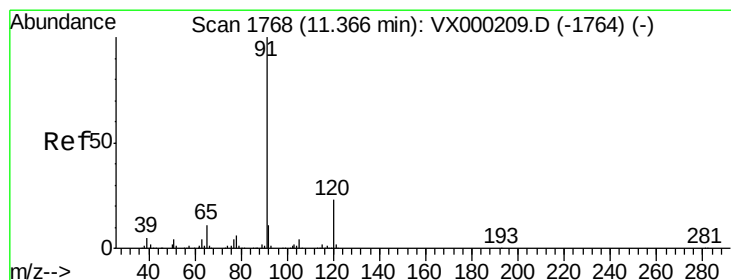
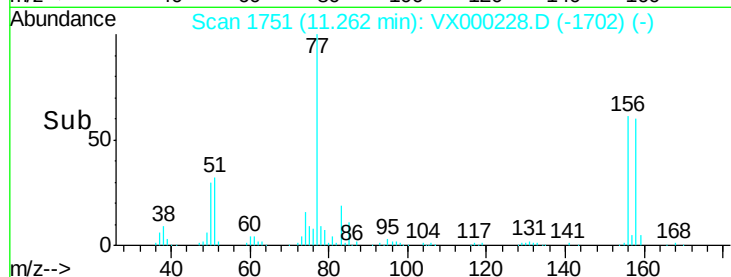
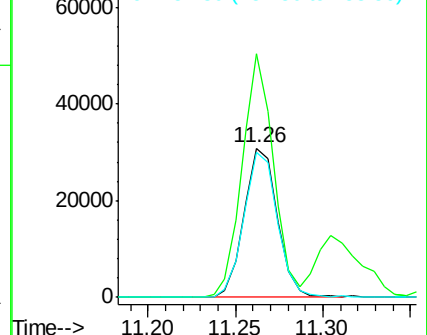
158 98.5 48.0 144.2



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: 20.59 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000228.D

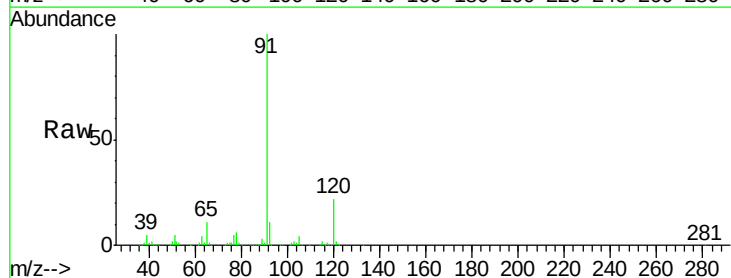
Acq: 08 Mar 2018 18:54

Tgt Ion: 91 Resp: 193818

Ion Ratio Lower Upper

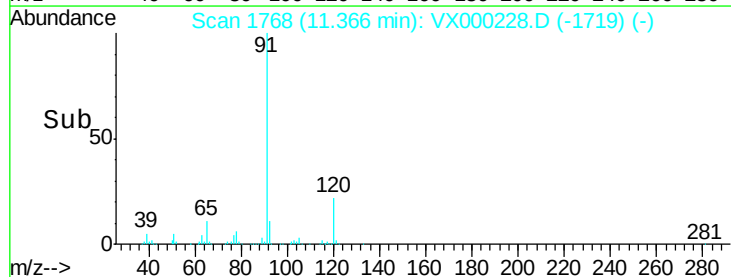
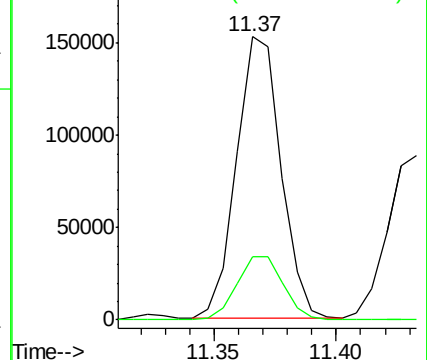
91 100

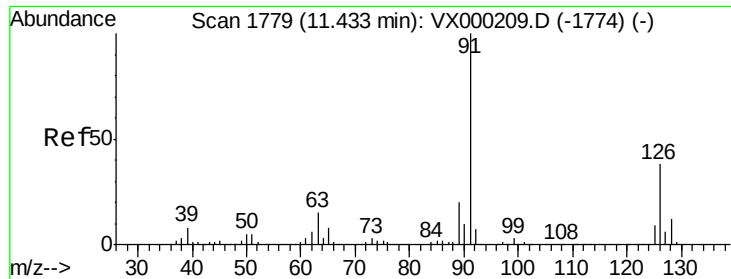
120 23.7 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.98 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

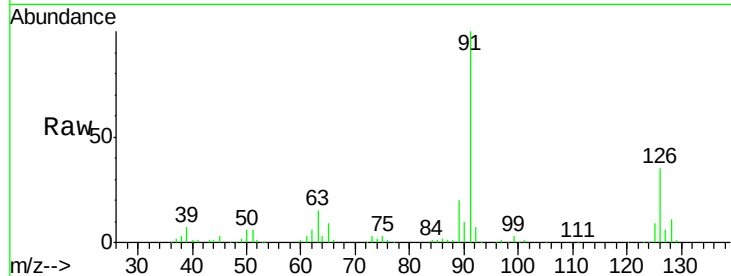
ClientSampleId :

Tot Ion: 91 Resp: 111414

Ion Ratio Lower Upper

91 100

126 35.1 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VX000209.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000209.D (-1774) (-)

150000

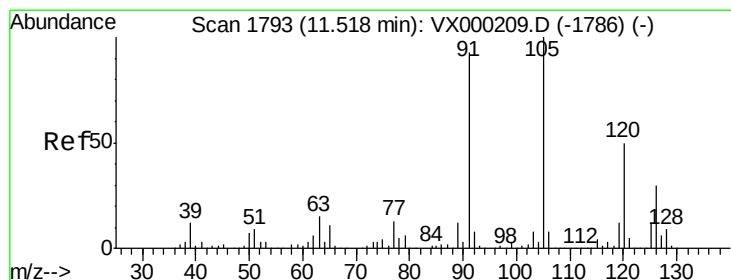
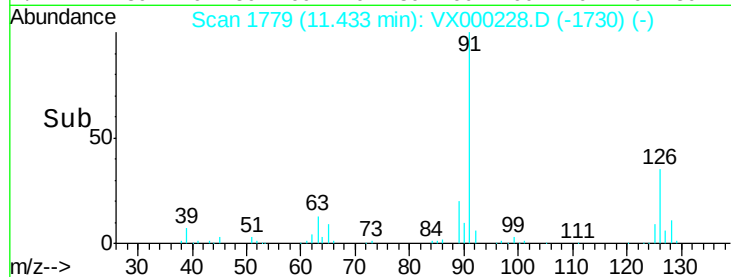
100000

50000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000228.D

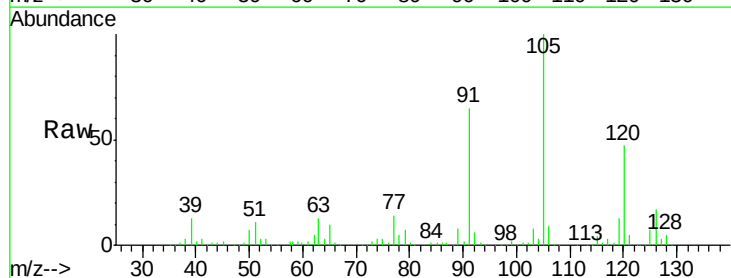
Acq: 08 Mar 2018 18:54

Tgt Ion: 105 Resp: 140016

Ion Ratio Lower Upper

105 100

120 47.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX000209.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000209.D (-1786) (-)

120000

100000

80000

60000

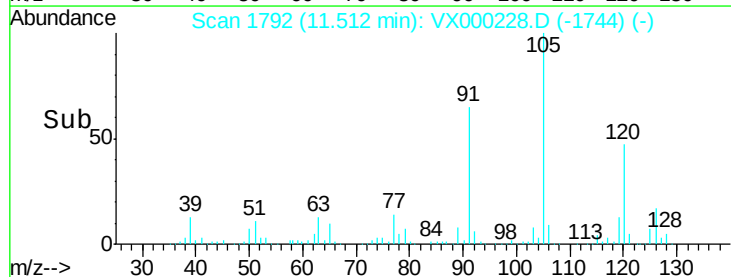
40000

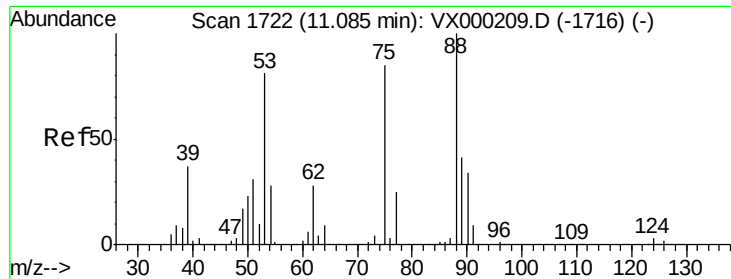
20000

0

11.45 11.50 11.55 11.60

Time-->

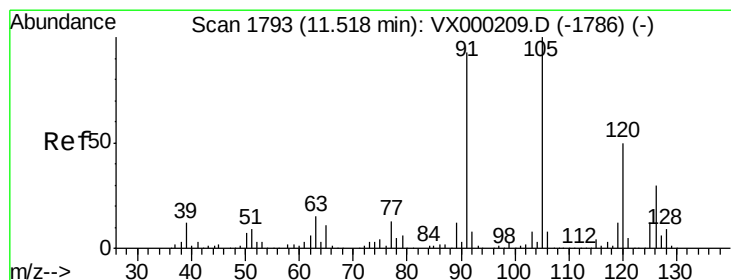
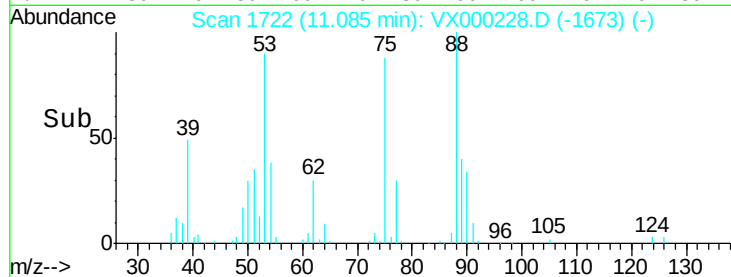
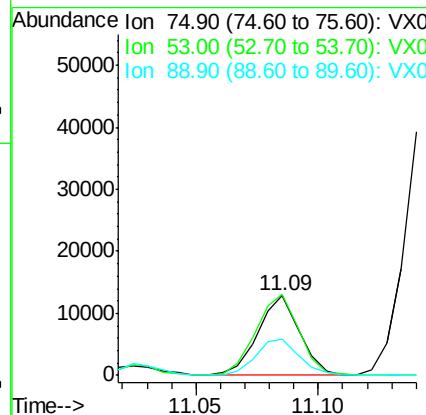
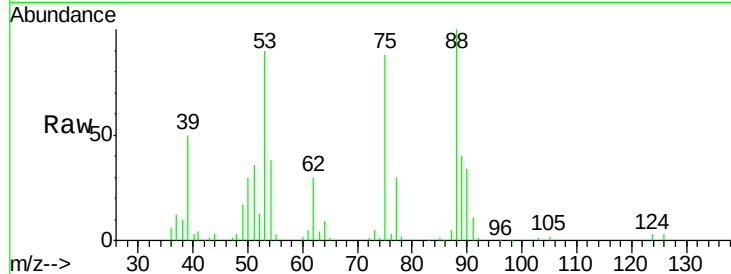




#81
trans-1,4-Dichloro-2-butene
Concen: 18.11 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

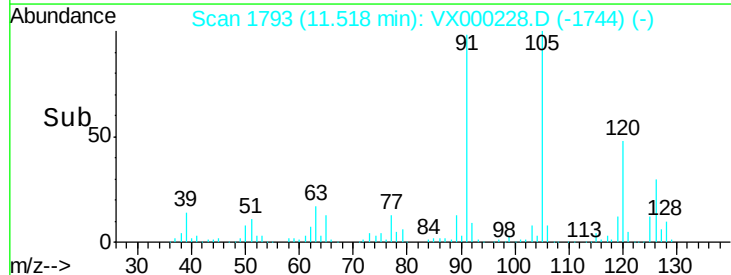
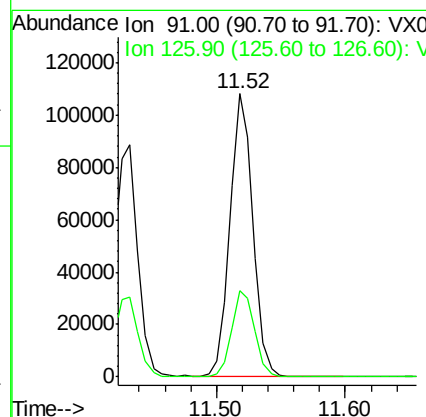
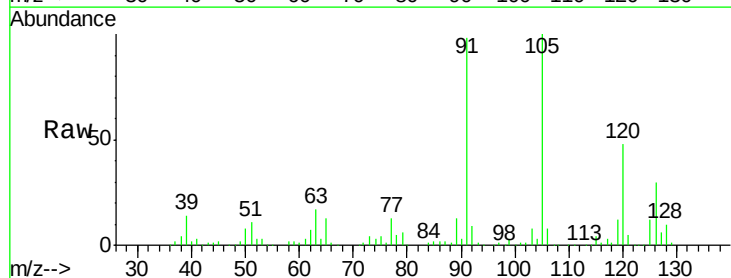
Instrument :
MSVOA_X
ClientSampleId :

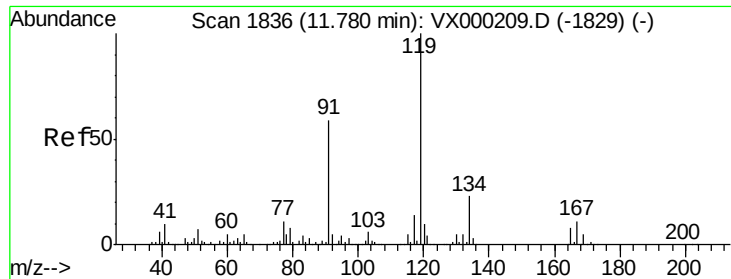
Tot Ion: 75 Resp: 15142
Ion Ratio Lower Upper
75 100
53 106.1 78.6 118.0
89 48.2 38.8 58.2



#82
4-Chlorotoluene
Concen: 21.13 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000228.D
Acq: 08 Mar 2018 18:54

Tgt Ion: 91 Resp: 136426
Ion Ratio Lower Upper
91 100
126 30.3 16.0 48.0

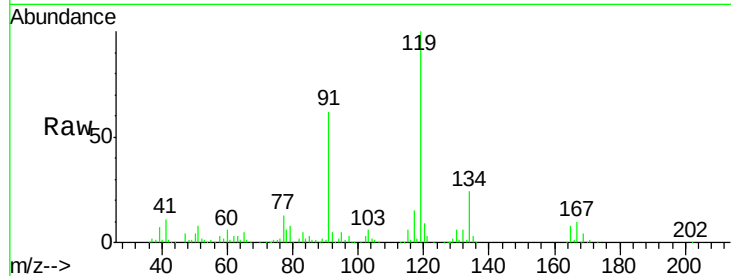




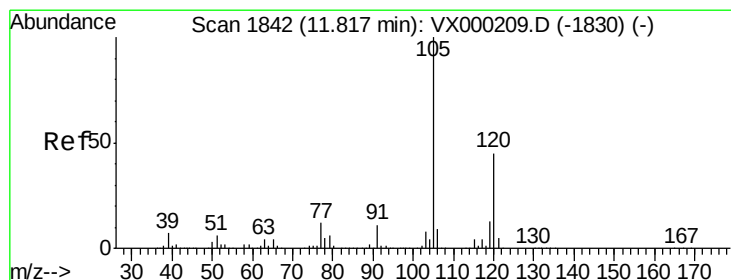
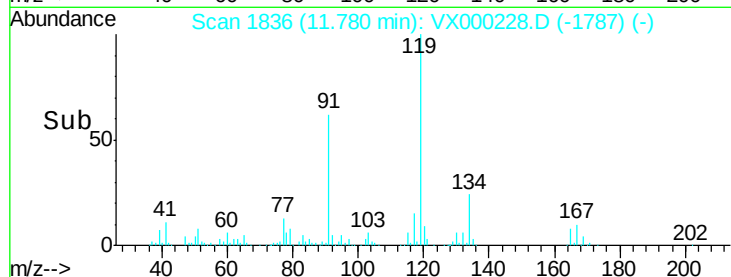
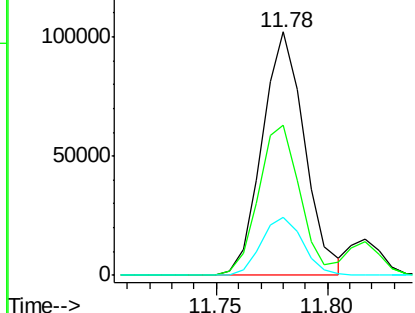
#83
 tert-Butylbenzene
 Concen: 20.79 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:119 Resp: 135061
 Ion Ratio Lower Upper
 119 100
 91 60.1 28.9 86.7
 134 23.7 11.5 34.4

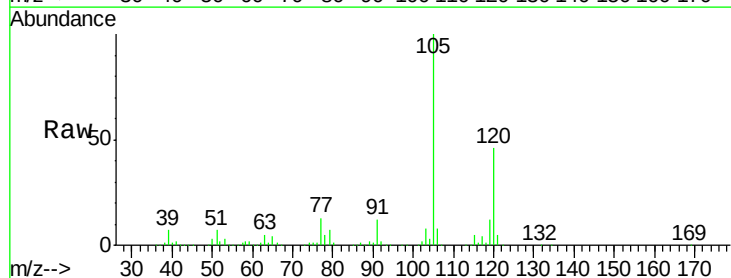


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

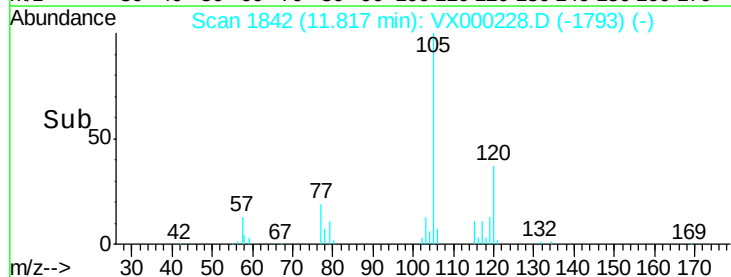
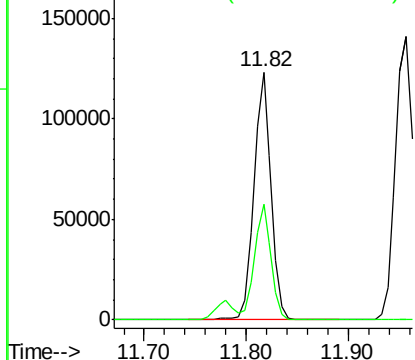


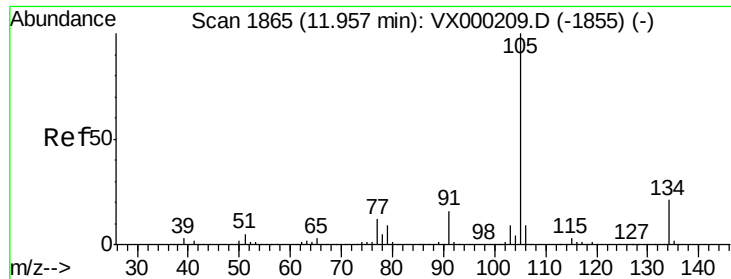
#84
 1,2,4-Trimethylbenzene
 Concen: 21.08 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Tgt Ion:105 Resp: 144729
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 21.09 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

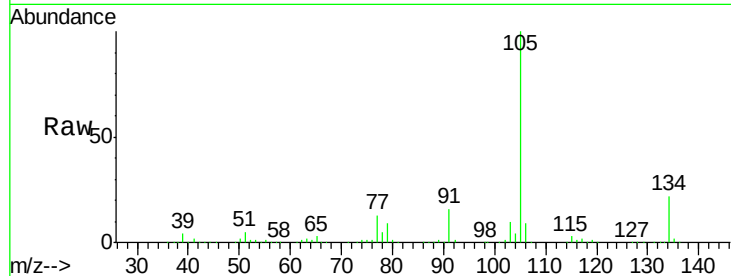
ClientSampleId :

Tot Ion:105 Resp: 173325

Ion Ratio Lower Upper

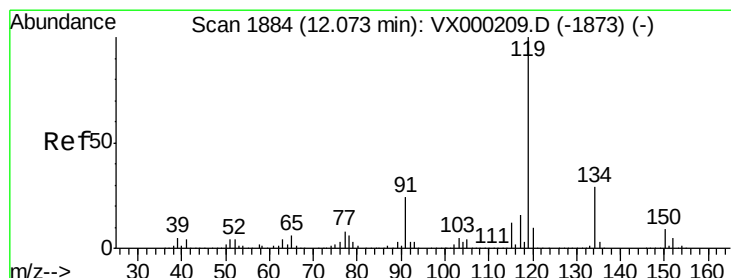
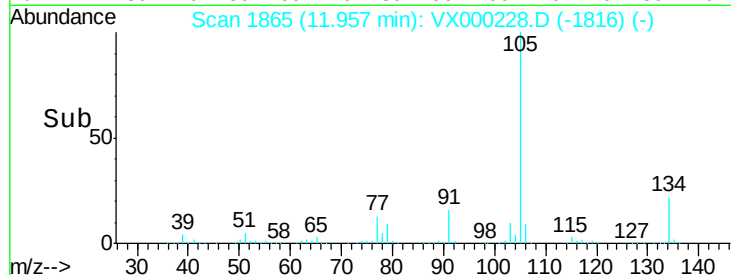
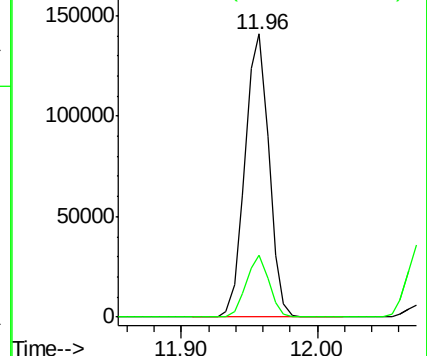
105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.21 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

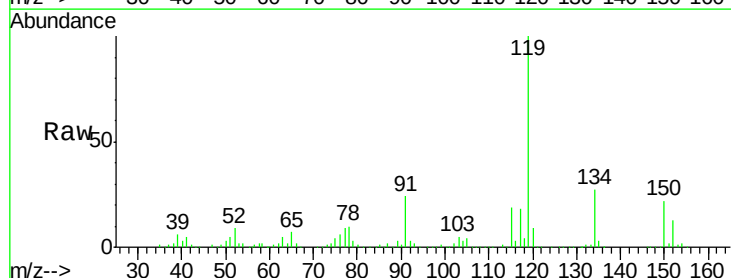
Tgt Ion:119 Resp: 153689

Ion Ratio Lower Upper

119 100

134 26.7 13.8 41.3

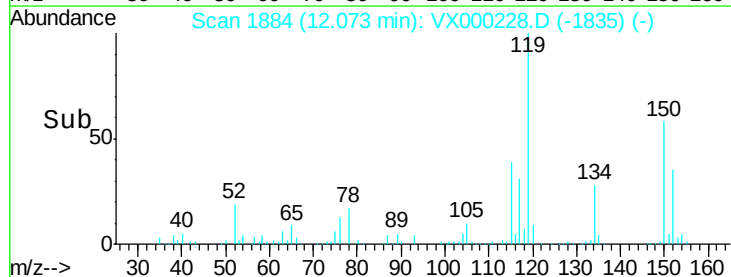
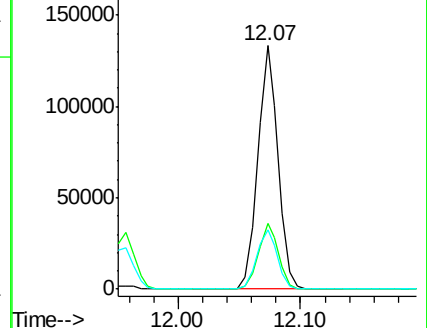
91 24.9 12.0 36.0

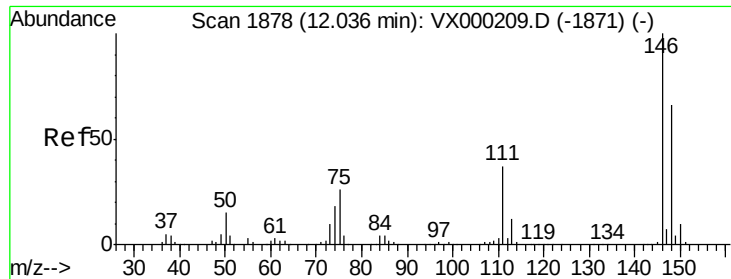


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.42 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

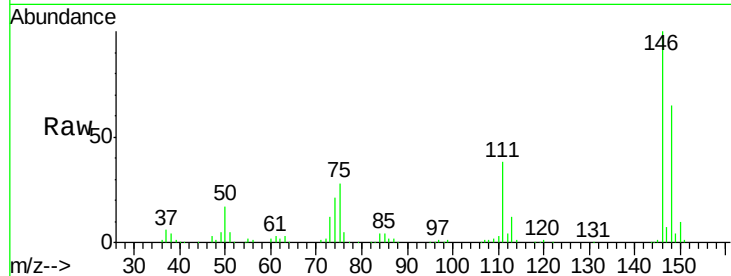
Tot Ion:146 Resp: 80266

Ion Ratio Lower Upper

146 100

111 40.1 19.0 57.0

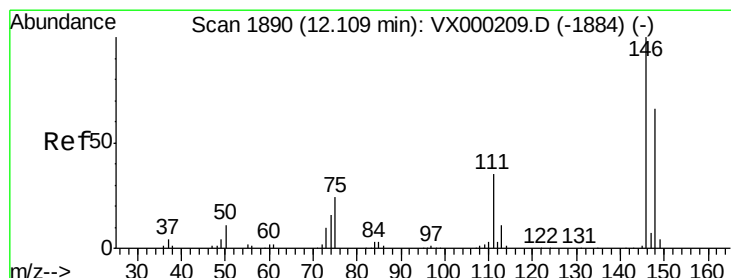
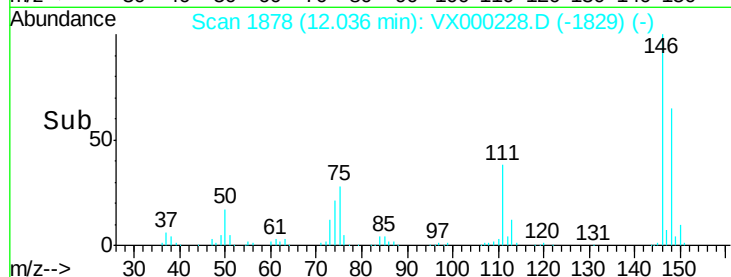
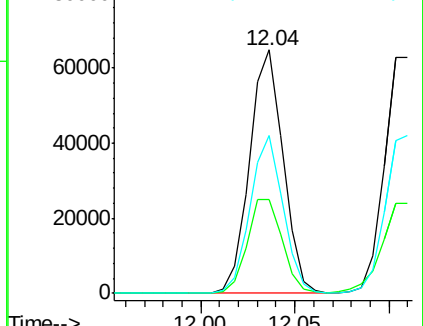
148 63.4 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.16 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

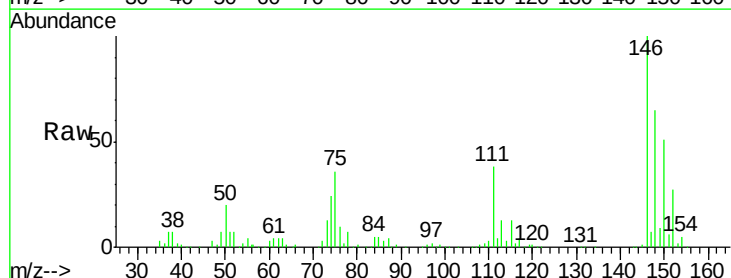
Tgt Ion:146 Resp: 83053

Ion Ratio Lower Upper

146 100

111 40.4 18.9 56.9

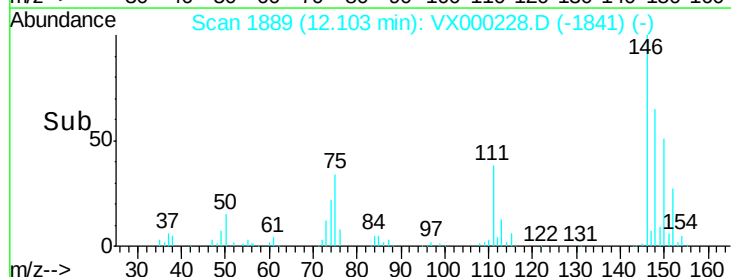
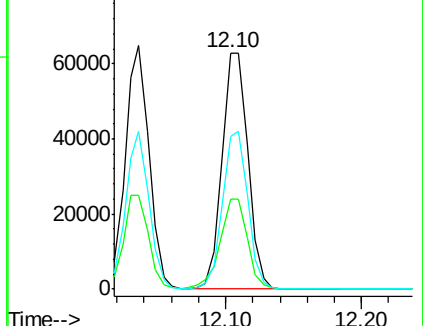
148 65.3 32.6 97.8

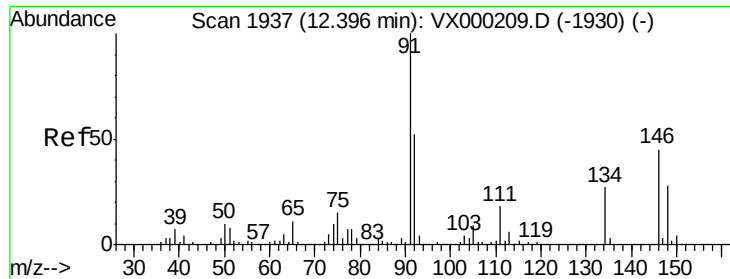


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.01 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

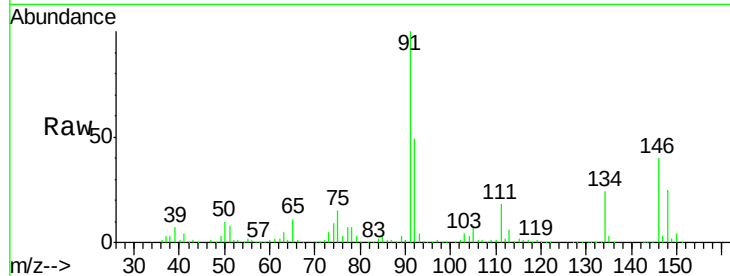
Tot Ion: 91 Resp: 146681

Ion Ratio Lower Upper

91 100

92 50.7 25.8 77.4

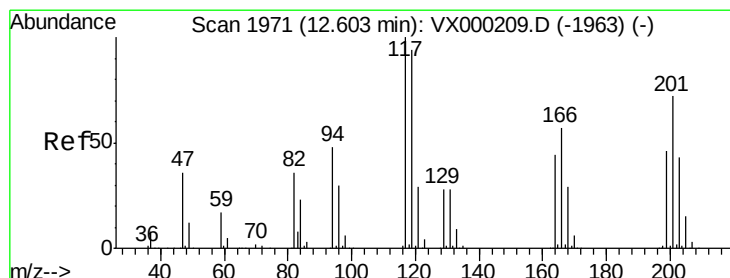
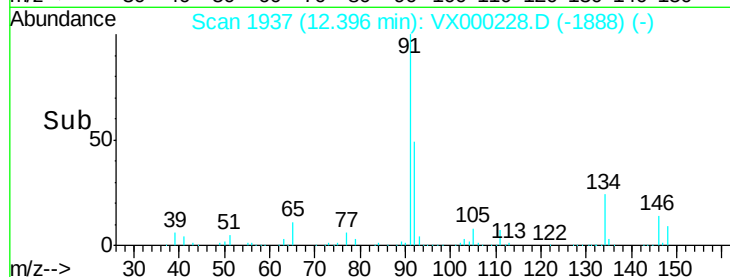
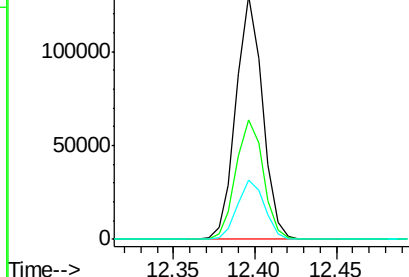
134 25.3 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX000209.D (-1930) (-)

Ion 92.00 (91.70 to 92.70): VX000209.D (-1930) (-)

Ion 134.00 (133.70 to 134.70): VX000209.D (-1930) (-)



#90

Hexachloroethane

Concen: 19.60 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000228.D

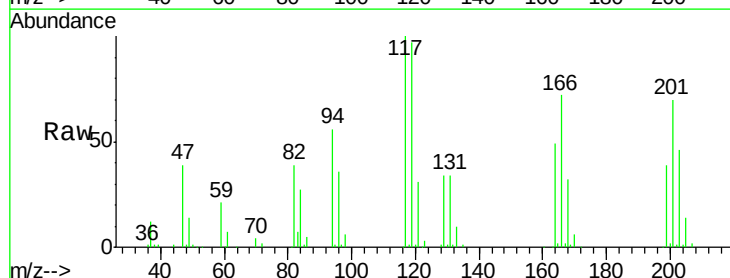
Acq: 08 Mar 2018 18:54

Tgt Ion: 117 Resp: 22886

Ion Ratio Lower Upper

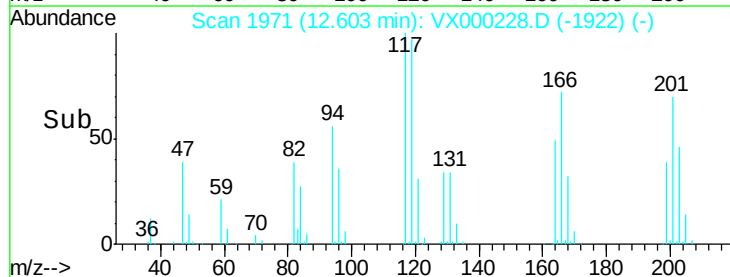
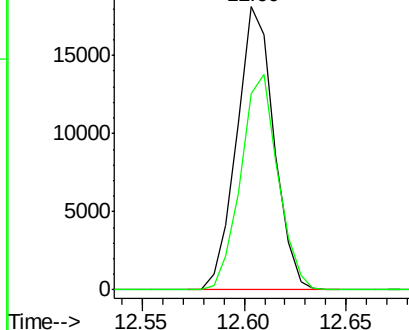
117 100

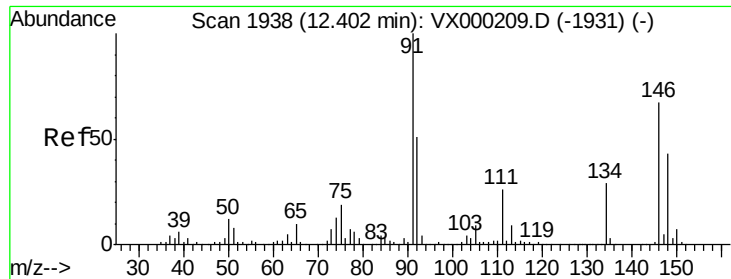
201 76.2 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): VX000209.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX000209.D (-1963) (-)





#91

1,2-Dichlorobenzene

Concen: 20.53 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

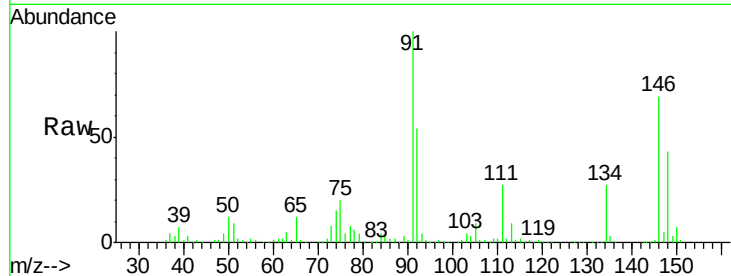
Tot Ion:146 Resp: 79925

Ion Ratio Lower Upper

146 100

111 39.9 19.7 59.0

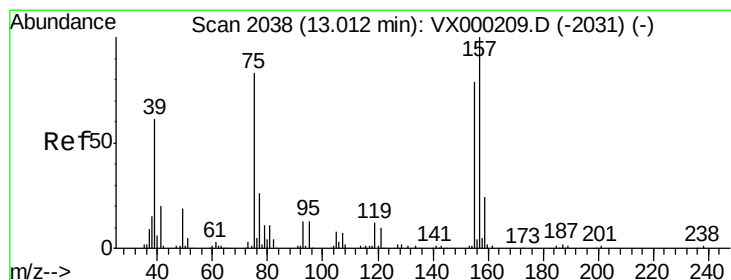
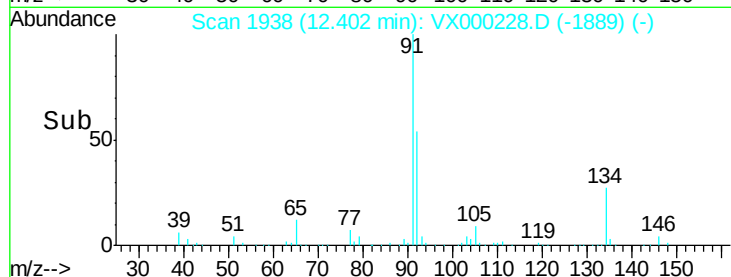
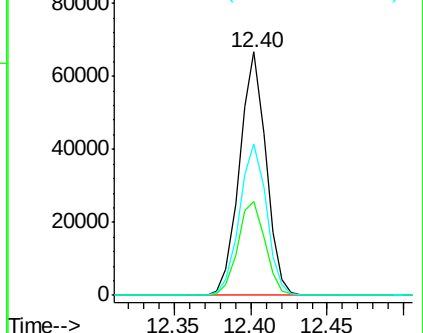
148 63.6 32.0 96.0



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: 21.20 ug/l

RT: 13.01 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

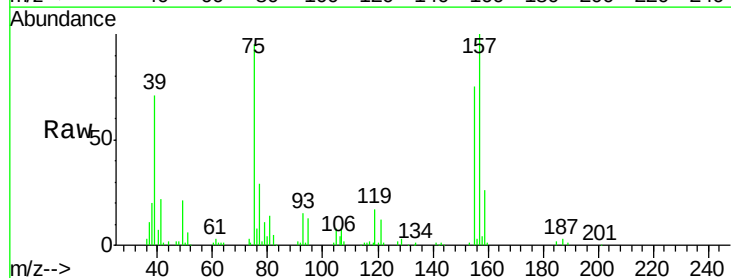
Tgt Ion: 75 Resp: 16696

Ion Ratio Lower Upper

75 100

155 83.4 45.5 136.5

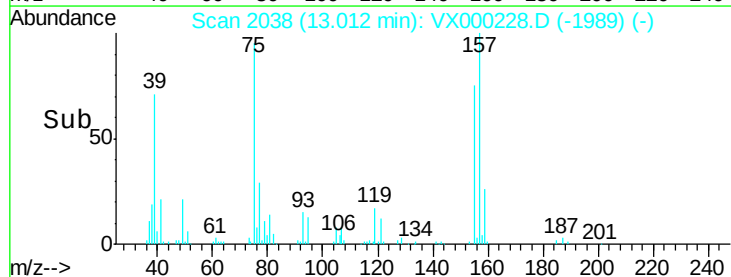
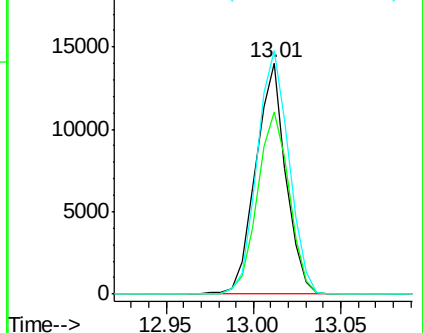
157 111.6 58.6 175.8

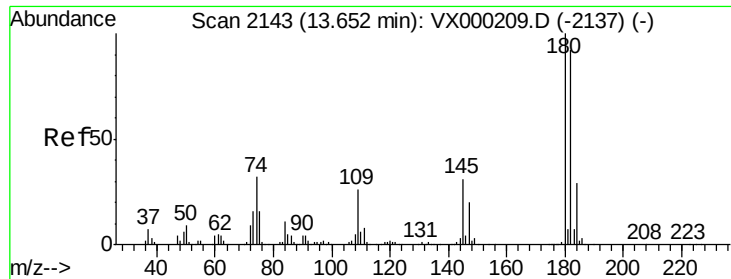


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

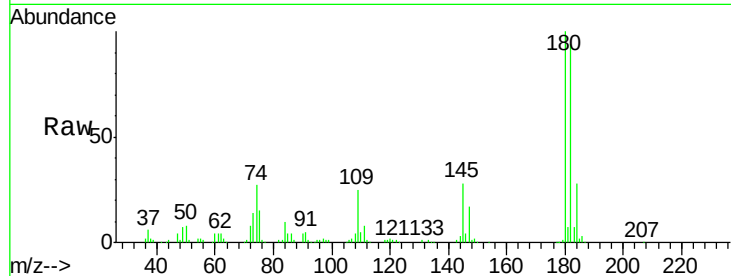




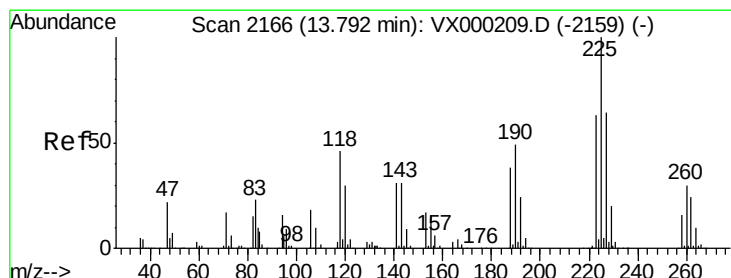
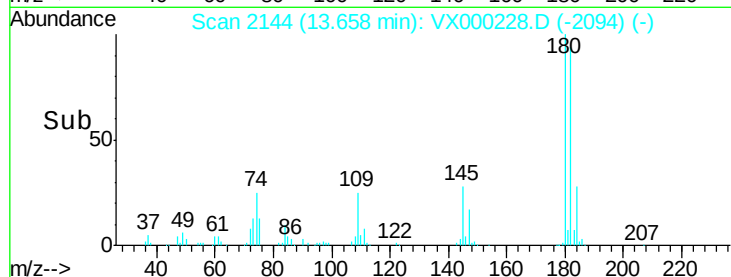
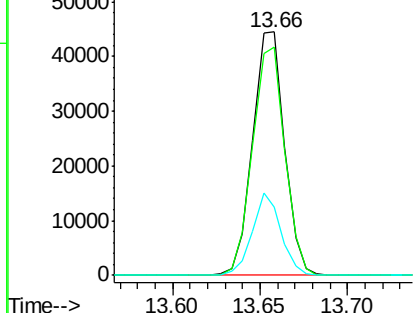
#93
 1,2,4-Trichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	30.1	15.3	45.9

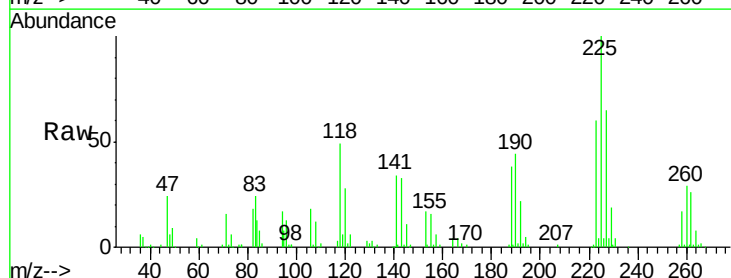


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

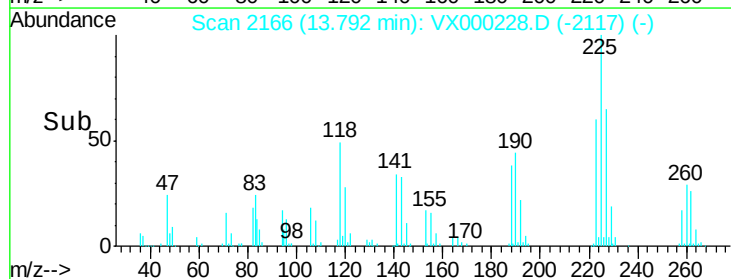
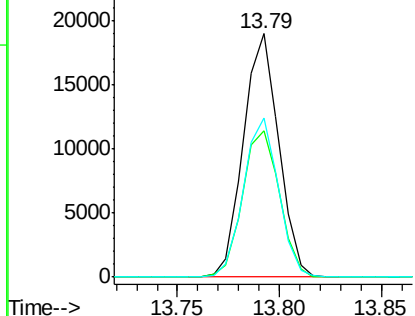


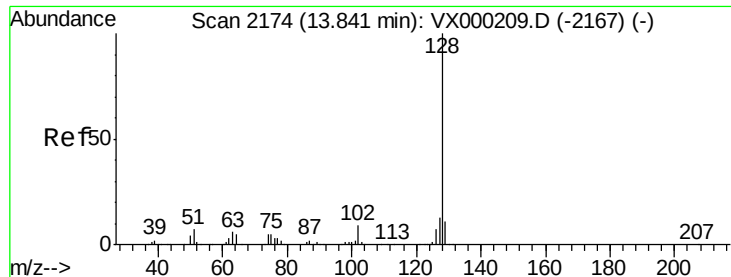
#94
 Hexachlorobutadiene
 Concen: 19.42 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000228.D
 Acq: 08 Mar 2018 18:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	64.8	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: 20.83 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

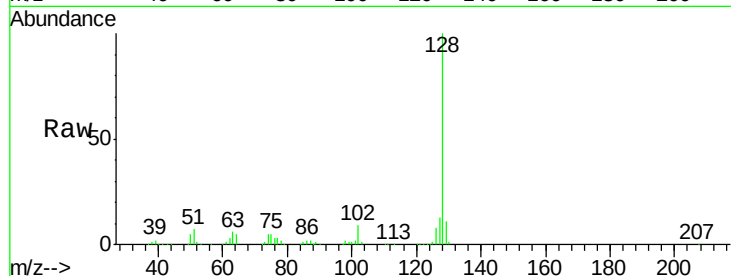
Tot Ion:128 Resp: 205790

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

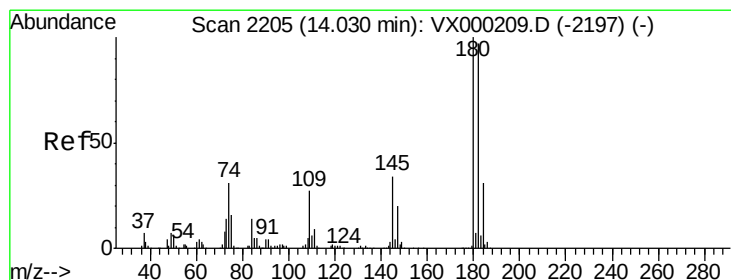
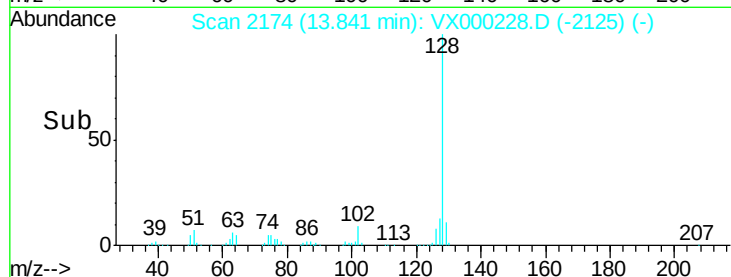
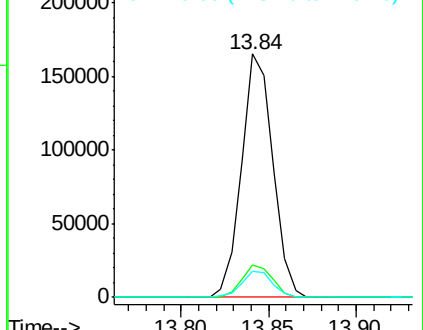
129 10.8 8.6 13.0



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: 20.31 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000228.D

Acq: 08 Mar 2018 18:54

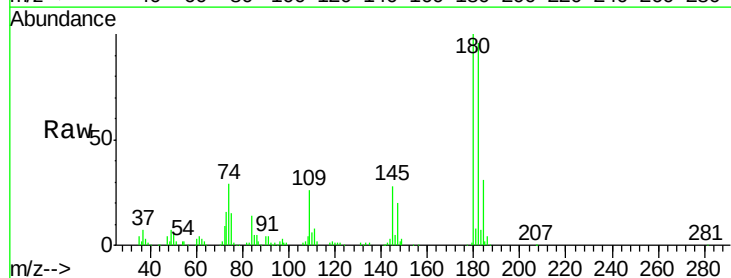
Tgt Ion:180 Resp: 56882

Ion Ratio Lower Upper

180 100

182 94.7 48.0 144.0

145 30.2 16.3 48.8



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

