

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052718\
 Data File : VX002064.D
 Acq On : 27 May 2018 13:19
 Operator : JC/MD
 Sample : VX0527WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 29 07:34:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	204196	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	5.51	113	156011	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
50) Toluene-d8	8.72	98	579371	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.14	95	221996	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	57943	17.98	ug/l	97
3) Chloromethane	1.32	50	89338	24.18	ug/l	99
4) Vinyl Chloride	1.40	62	72263	20.25	ug/l	99
5) Bromomethane	1.64	94	38631	23.00	ug/l	97
6) Chloroethane	1.73	64	46033	21.89	ug/l	97
7) Trichlorofluoromethane	1.93	101	116000	21.65	ug/l	99
8) Diethyl Ether	2.19	74	45235	23.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	65910	22.04	ug/l	97
10) Methyl Iodide	2.51	142	67121	16.59	ug/l	98
11) Tert butyl alcohol	3.07	59	99190	117.71	ug/l	98
12) 1,1-Dichloroethene	2.38	96	59467	21.24	ug/l	100
13) Acrolein	2.29	56	25801	70.82	ug/l	95
14) Allyl chloride	2.73	41	131062	22.31	ug/l	98
15) Acrylonitrile	3.15	53	199367	115.05	ug/l	100
16) Acetone	2.45	43	197364	119.13	ug/l	99
17) Carbon Disulfide	2.57	76	153943	19.11	ug/l	99
18) Methyl Acetate	2.78	43	104310	25.58	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	241966	22.98	ug/l	98
20) Methylene Chloride	2.86	84	78190	26.47	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	62964	22.23	ug/l	95
22) Diisopropyl ether	3.87	45	240464	20.12	ug/l	96
23) Vinyl Acetate	3.82	43	1061254	107.10	ug/l	98
24) 1,1-Dichloroethane	3.70	63	123125	21.69	ug/l	99
25) 2-Butanone	4.71	43	293296	96.59	ug/l	100
26) 2,2-Dichloropropane	4.59	77	107081	18.63	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	71352	19.55	ug/l	84
28) Bromochloromethane	5.03	49	53676	21.33	ug/l	99
29) Tetrahydrofuran	5.17	42	187306	94.81	ug/l	99
30) Chloroform	5.22	83	123646	19.33	ug/l	97
31) Cyclohexane	5.58	56	108782	18.39	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	112264	18.83	ug/l	99
36) 1,1-Dichloropropene	5.80	75	86007	18.53	ug/l	98
37) Ethyl Acetate	4.86	43	113733	18.79	ug/l	100
38) Carbon Tetrachloride	5.79	117	98590	18.21	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107776	18.90	ug/l	96
40) Benzene	6.15	78	269609	19.82	ug/l	100
41) Methacrylonitrile	5.06	41	65016	19.53	ug/l	98
42) 1,2-Dichloroethane	6.20	62	105754	19.47	ug/l	99
43) Isopropyl Acetate	6.47	43	194144	19.25	ug/l	99
44) Trichloroethene	7.22	130	77381	19.52	ug/l	100
45) 1,2-Dichloropropane	7.52	63	74593	20.20	ug/l	97
46) Dibromomethane	7.67	93	50154	20.51	ug/l	98
47) Bromodichloromethane	7.90	83	96077	18.43	ug/l	99
48) Methyl methacrylate	7.78	41	99427	19.37	ug/l	99
49) 1,4-Dioxane	7.76	88	36746	406.29	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	609505	100.27	ug/l	99
52) Toluene	8.79	92	171333	19.80	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	115706	19.27	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	109449	18.70	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	71861	19.87	ug/l	99
56) Ethyl methacrylate	9.18	69	119099	19.15	ug/l	98
57) 1,3-Dichloropropane	9.38	76	121695	20.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	293669	106.54	ug/l	100
59) 2-Hexanone	9.50	43	470506	100.38	ug/l	99
60) Dibromochloromethane	9.59	129	79939	18.67	ug/l	99
61) 1,2-Dibromoethane	9.68	107	76020	20.04	ug/l	100
64) Tetrachloroethene	9.34	164	86505	19.38	ug/l	99
65) Chlorobenzene	10.14	112	194649	19.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	75025	18.84	ug/l	100
67) Ethyl Benzene	10.26	91	330920	19.31	ug/l	99
68) m/p-Xylenes	10.36	106	253864	38.75	ug/l	100
69) o-Xylene	10.70	106	126817	19.39	ug/l	100
70) Styrene	10.72	104	211544	19.50	ug/l	99
71) Bromoform	10.86	173	63095	16.71	ug/l	98
73) Isopropylbenzene	11.02	105	339748	19.67	ug/l	100
74) N-amyl acetate	6.47	43	194144	19.76	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	104704	21.44	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	95780m	19.55	ug/l	
77) Bromobenzene	11.26	156	90558	19.76	ug/l	97
78) n-propylbenzene	11.37	91	378492	19.56	ug/l	100
79) 2-Chlorotoluene	11.43	91	231346	20.44	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	286713	19.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34213	16.78	ug/l	92
82) 4-Chlorotoluene	11.51	91	264742	19.40	ug/l	100
83) tert-Butylbenzene	11.77	119	280047	19.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	294064	19.28	ug/l	99
85) sec-Butylbenzene	11.95	105	335897	19.29	ug/l	99
86) p-Isopropyltoluene	12.07	119	300963	19.31	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	162246	19.77	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	162544	19.81	ug/l	100
89) n-Butylbenzene	12.39	91	252833	19.15	ug/l	99
90) Hexachloroethane	12.60	117	51897	16.88	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	167318	20.01	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	25847	16.83	ug/l	97

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QLast Update : Thu May 24 13:09:03 2018
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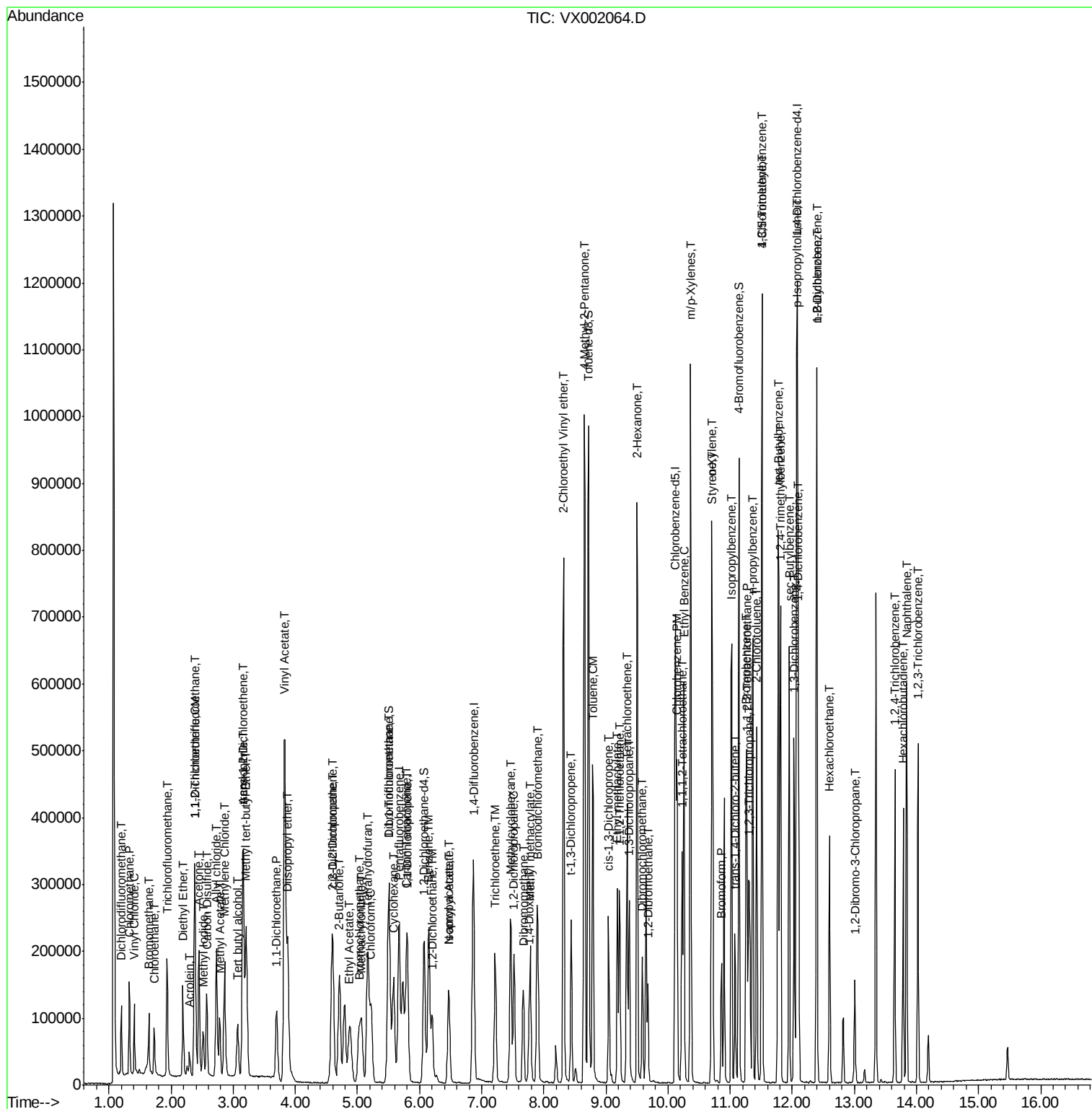
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	116850	19.54	ug/l	99
94) Hexachlorobutadiene	13.79	225	62447	19.41	ug/l	100
95) Naphthalene	13.84	128	364988	19.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	121666	19.66	ug/l	99

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

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Operator  : JC/MD  
Sample    : VX0527WBSD01  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 29 07:34:36 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

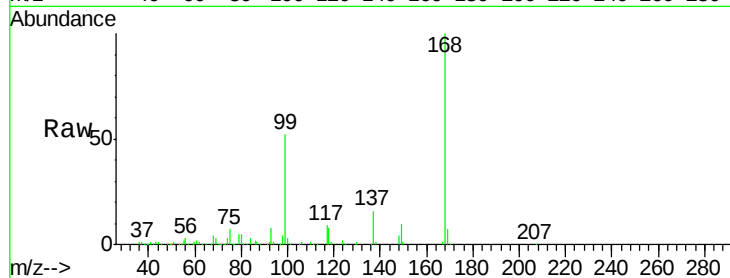
ClientSampleId :

Tot Ion:168 Resp: 240157

Ion Ratio Lower Upper

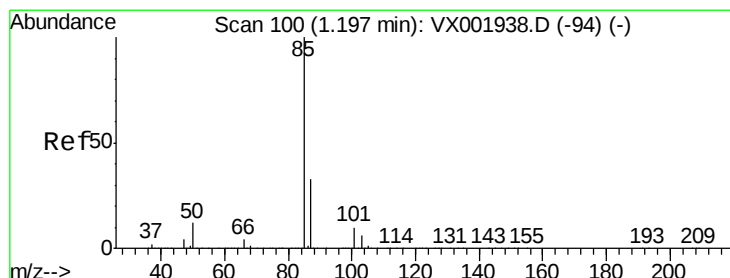
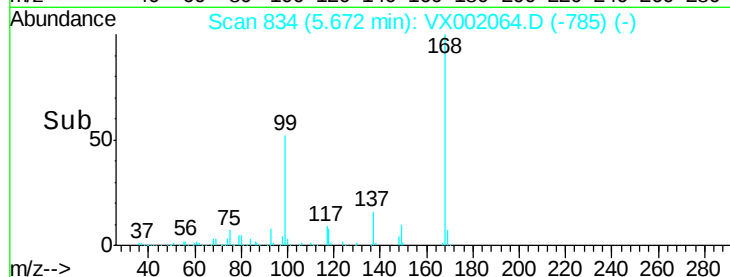
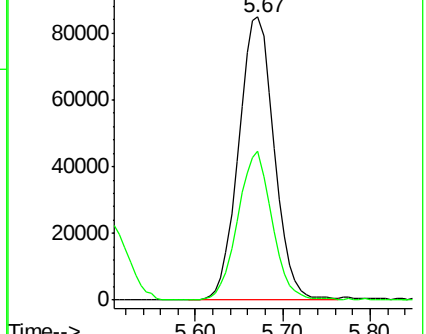
168 100

99 52.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.98 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002064.D

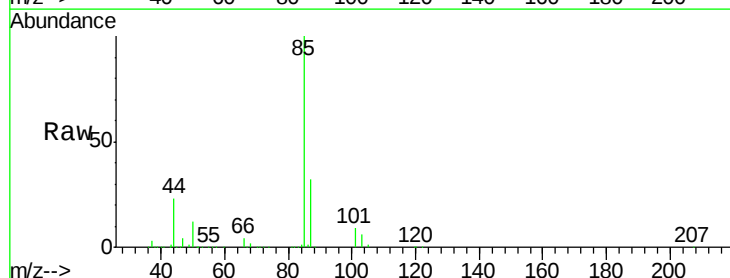
Acq: 27 May 2018 13:19

Tgt Ion: 85 Resp: 57943

Ion Ratio Lower Upper

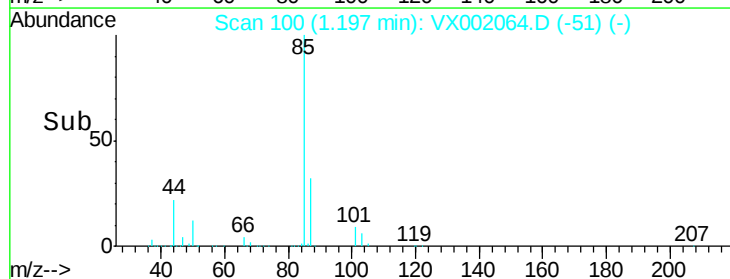
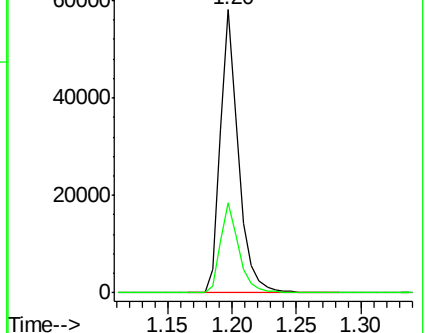
85 100

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: 24.18 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

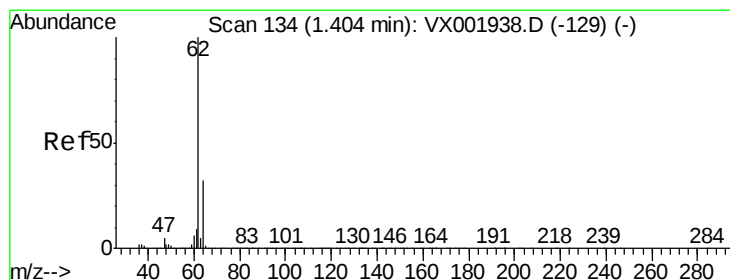
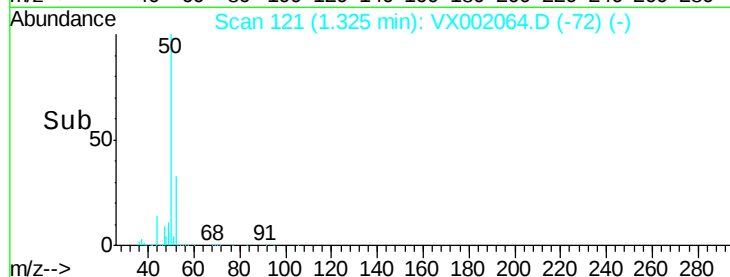
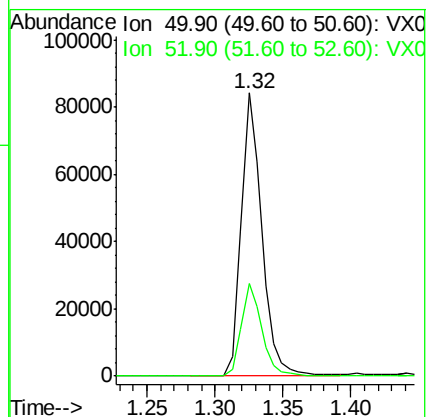
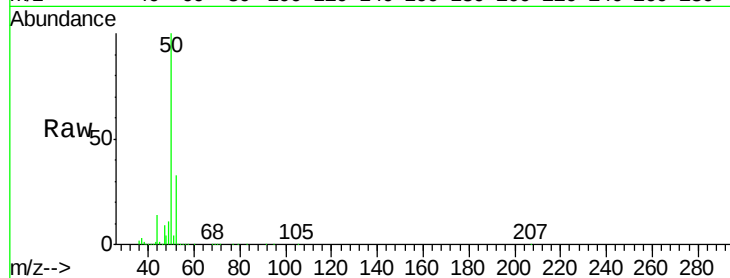
ClientSampleId :

Tot Ion: 50 Resp: 89338

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 20.25 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002064.D

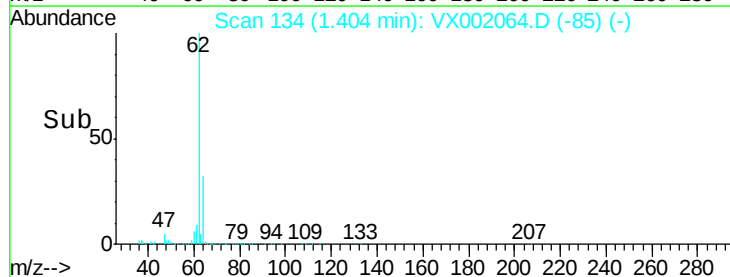
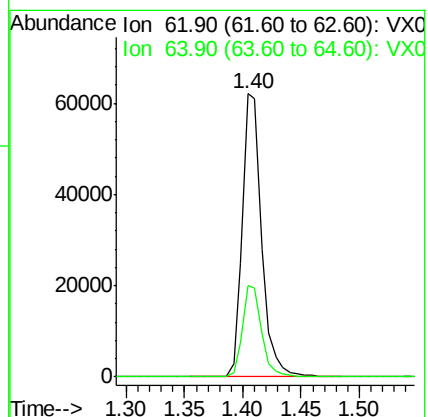
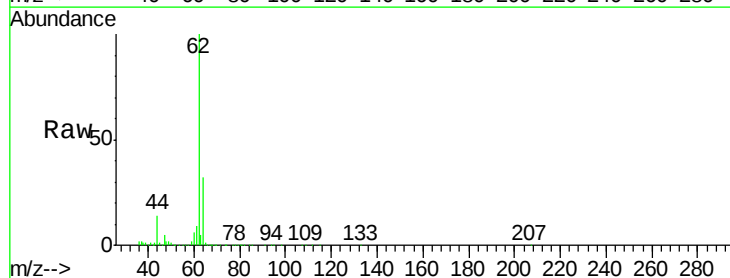
Acq: 27 May 2018 13:19

Tgt Ion: 62 Resp: 72263

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 23.00 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

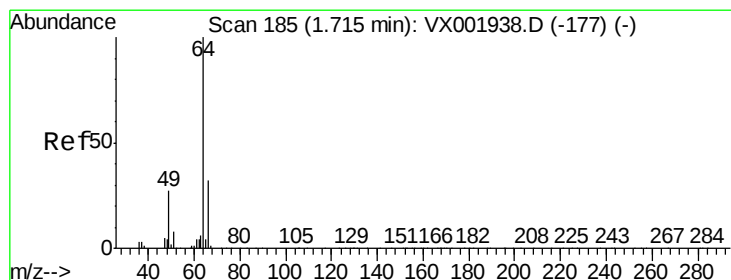
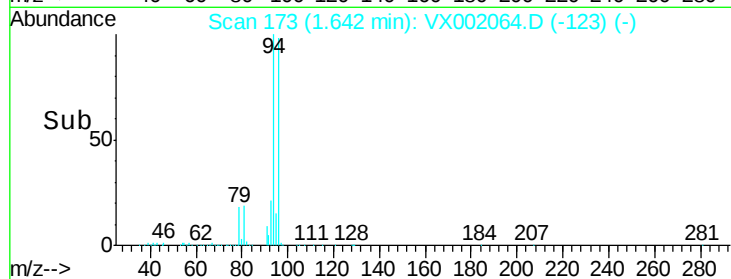
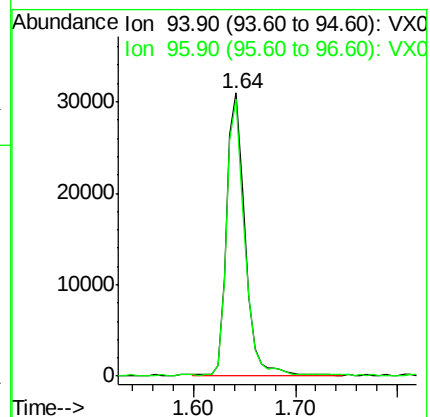
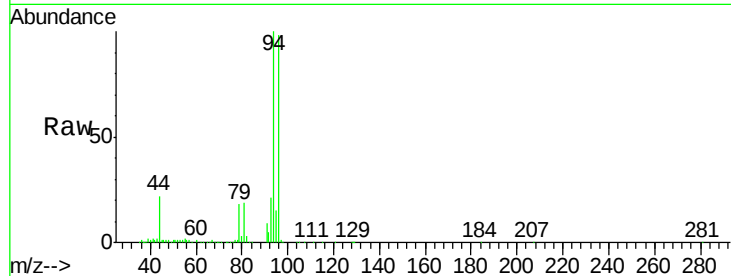
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 38631

Ion Ratio Lower Upper

94 100

96 97.7 75.9 113.9



#6

Chloroethane

Concen: 21.89 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002064.D

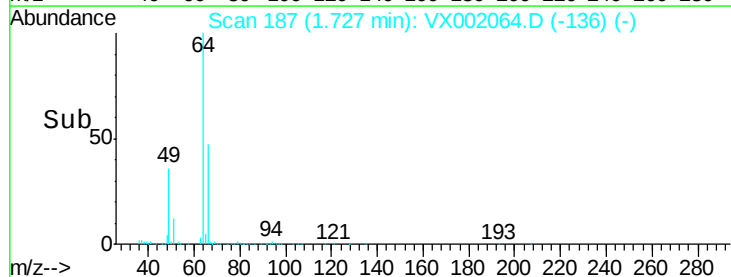
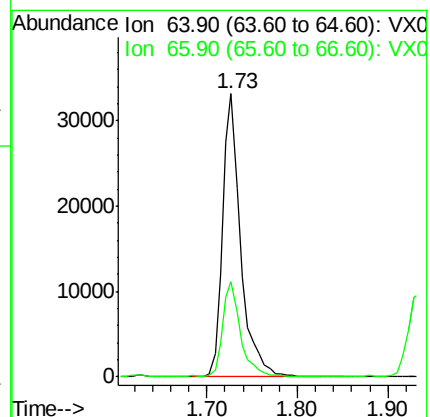
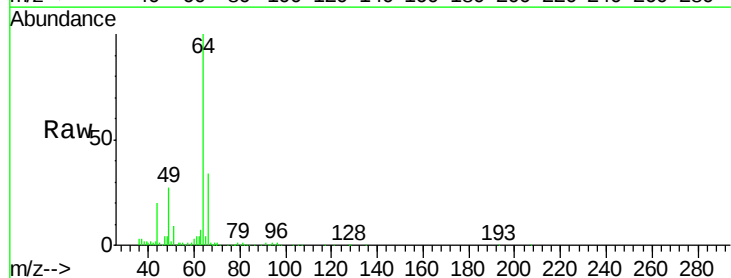
Acq: 27 May 2018 13:19

Tgt Ion: 64 Resp: 46033

Ion Ratio Lower Upper

64 100

66 33.5 25.6 38.4



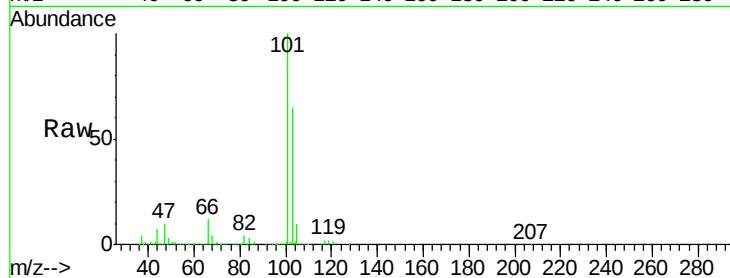


#7

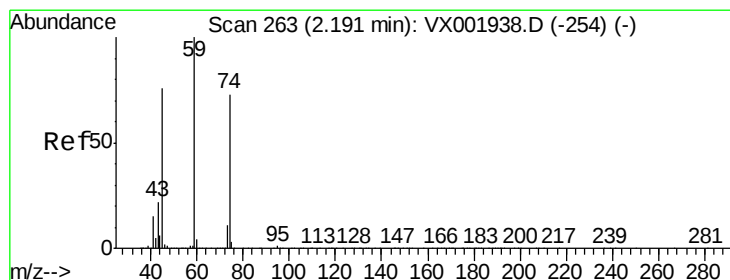
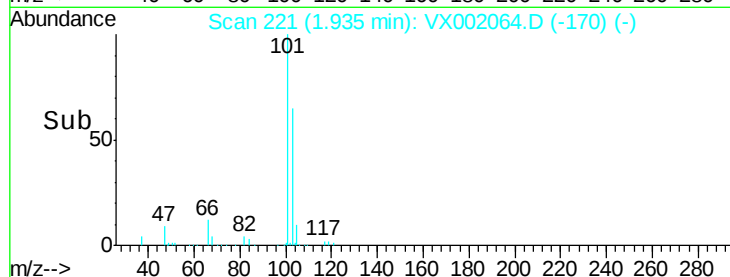
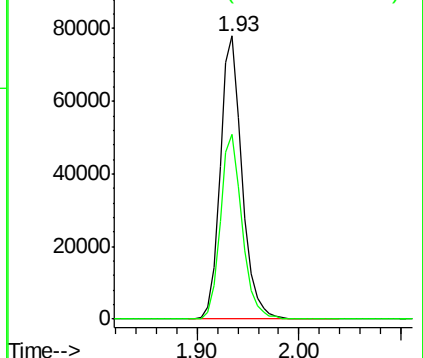
Trichlorofluoromethane
Concen: 21.65 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 116000
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.0



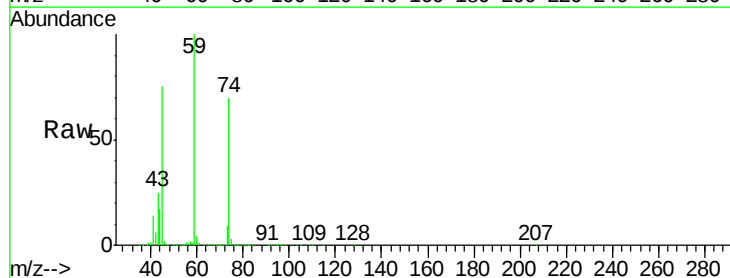
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



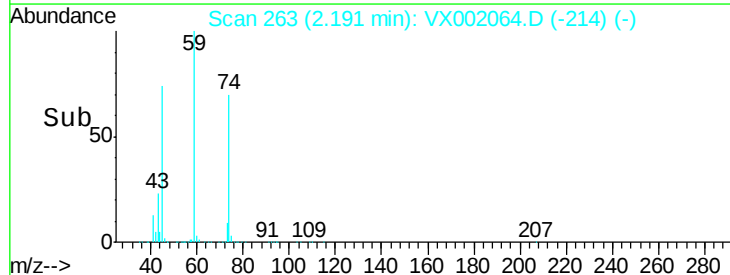
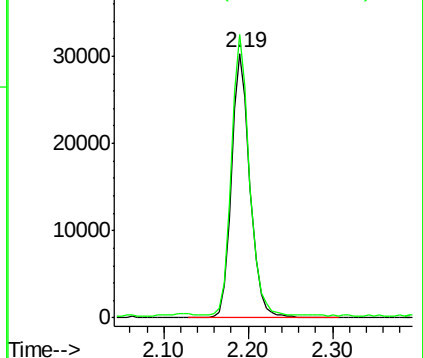
#8

Diethyl Ether
Concen: 23.27 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 74 Resp: 45235
Ion Ratio Lower Upper
74 100
45 103.7 51.5 154.7



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: 22.04 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

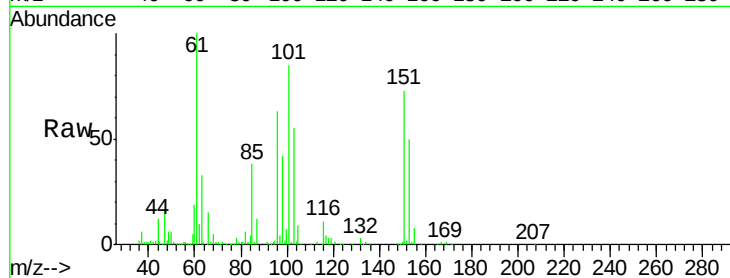
Tot Ion:101 Resp: 65910

Ion Ratio Lower Upper

101 100

85 44.9 35.6 53.4

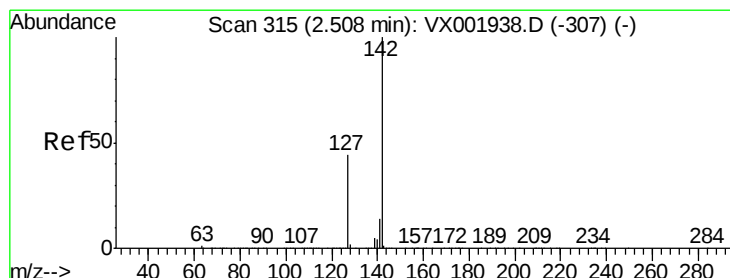
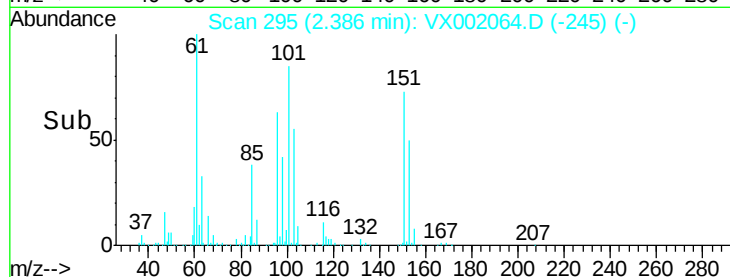
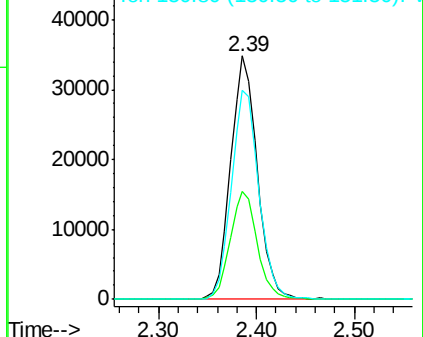
151 88.2 73.2 109.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.59 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

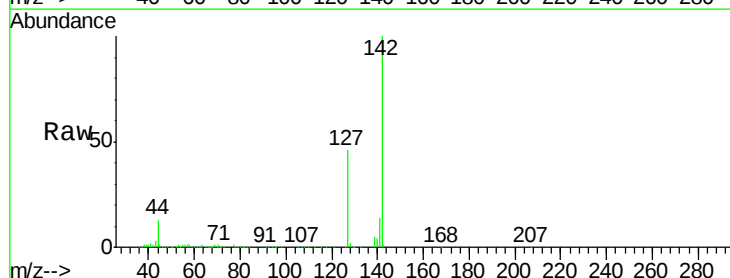
Tgt Ion:142 Resp: 67121

Ion Ratio Lower Upper

142 100

127 45.9 35.5 53.3

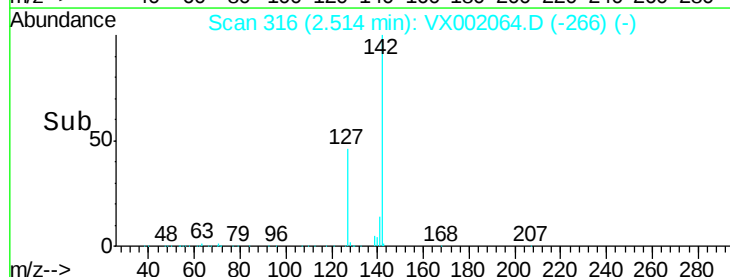
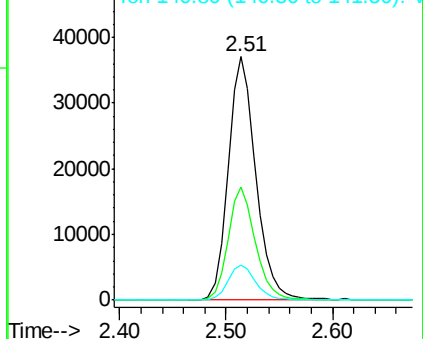
141 14.6 11.3 16.9

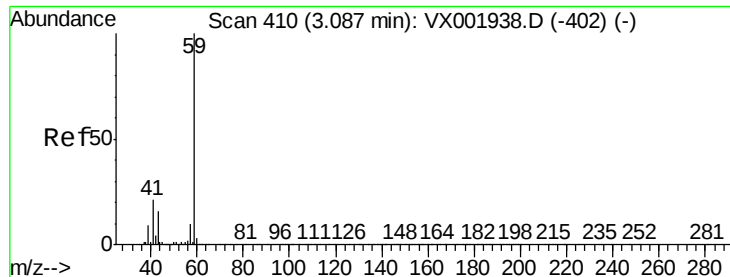


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



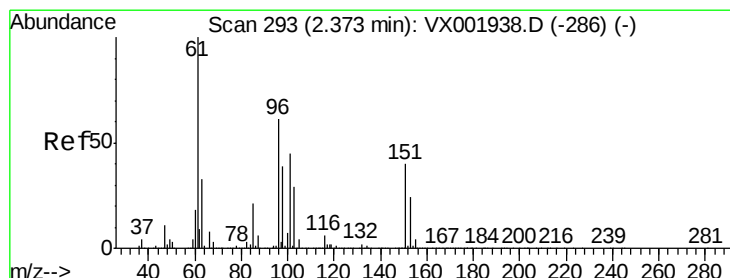
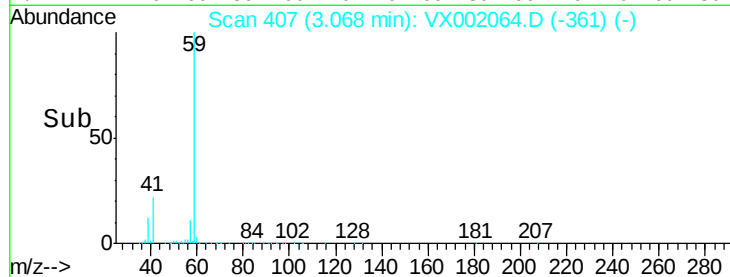
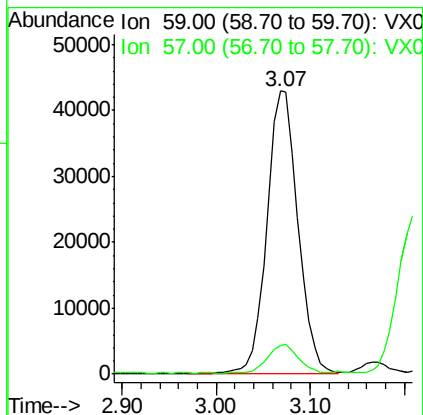
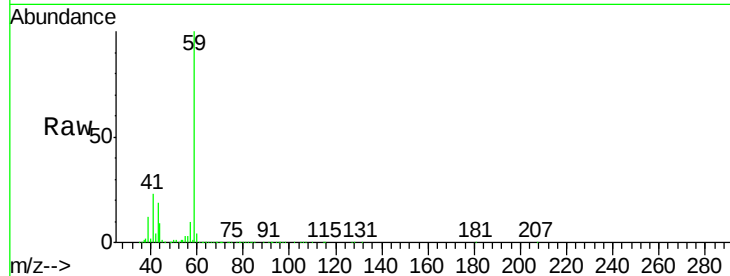


#11

Tert butyl alcohol
Concen: 117.71 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :

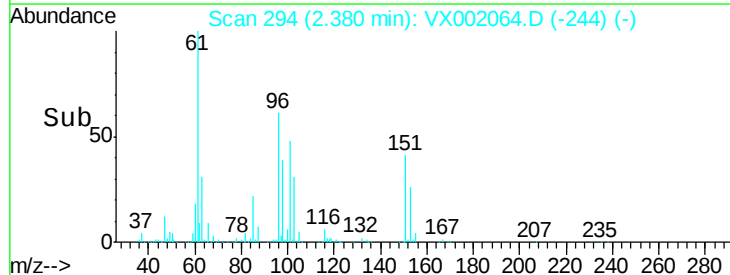
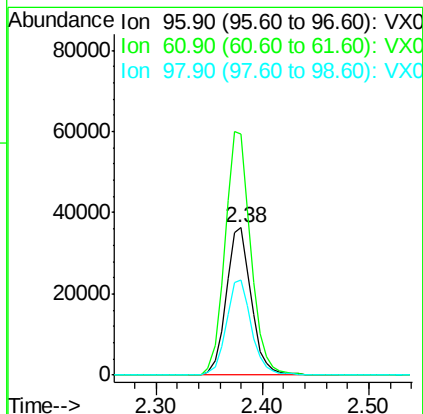
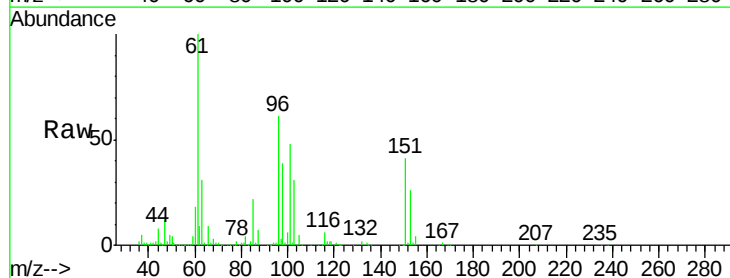
Tot Ion: 59 Resp: 99190
Ion Ratio Lower Upper
59 100
57 10.2 8.9 13.3



#12

1,1-Dichloroethene
Concen: 21.24 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 96 Resp: 59467
Ion Ratio Lower Upper
96 100
61 164.0 131.7 197.5
98 64.5 51.6 77.4





#13

Acrolein

Concen: 70.82 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

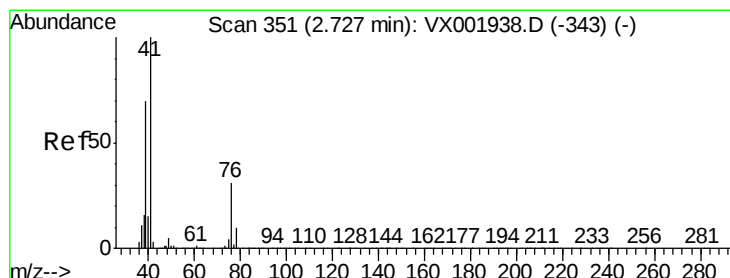
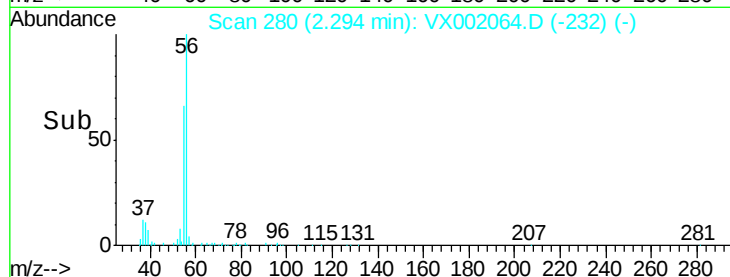
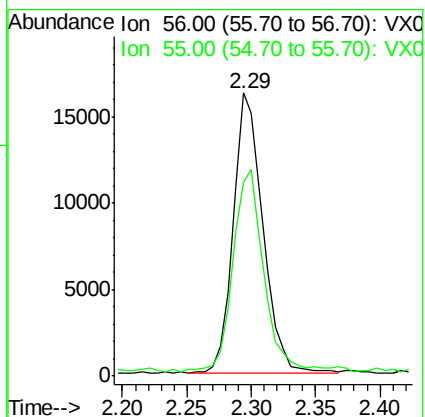
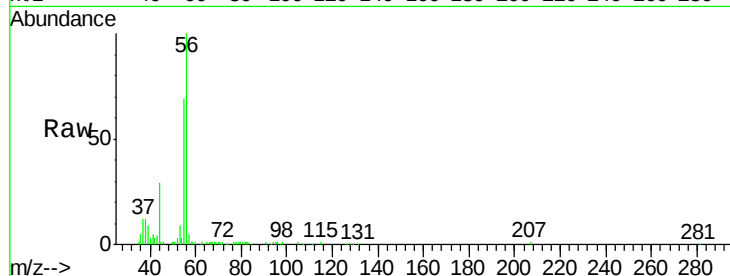
ClientSampleId :

Tot Ion: 56 Resp: 25801

Ion Ratio Lower Upper

56 100

55 75.1 56.8 85.2



#14

Allyl chloride

Concen: 22.31 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

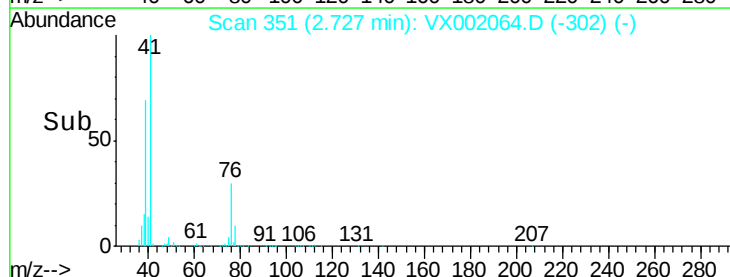
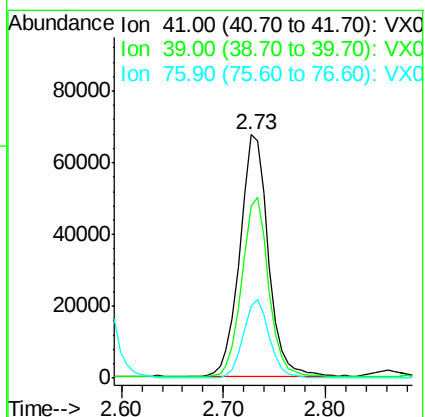
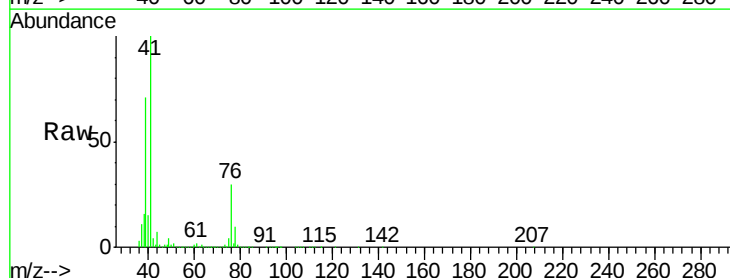
Tgt Ion: 41 Resp: 131062

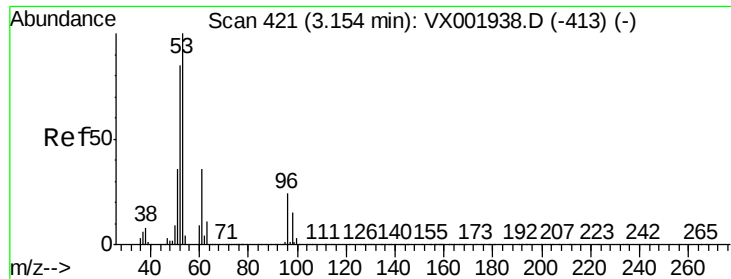
Ion Ratio Lower Upper

41 100

39 69.2 54.3 81.5

76 29.6 24.2 36.4





#15

Acrylonitrile

Concen: 115.05 ug/l

RT: 3.15 min Scan# 421

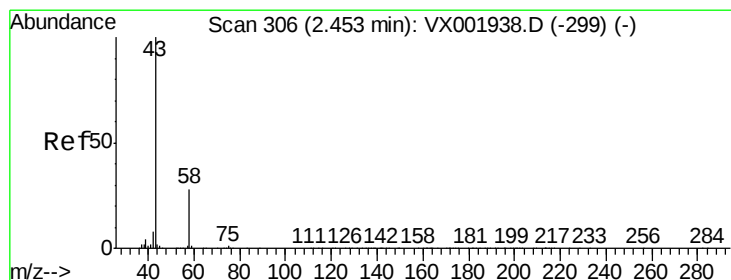
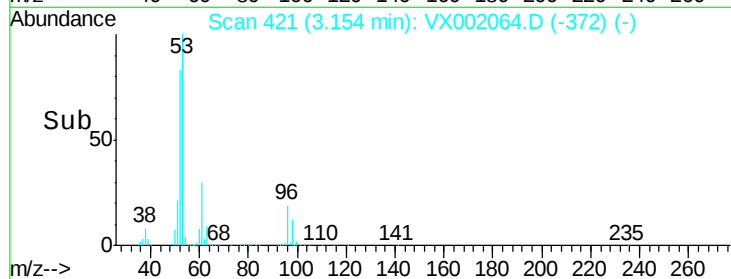
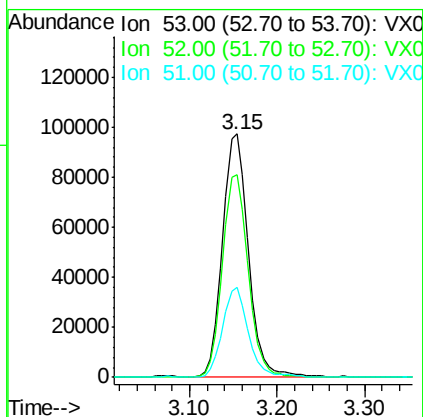
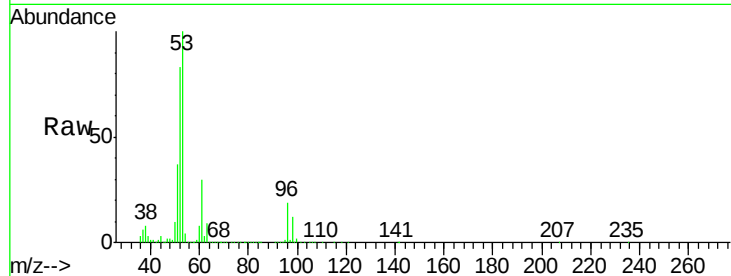
Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	53	Resp:	199367
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.9	29.3	43.9



#16

Acetone

Concen: 119.13 ug/l

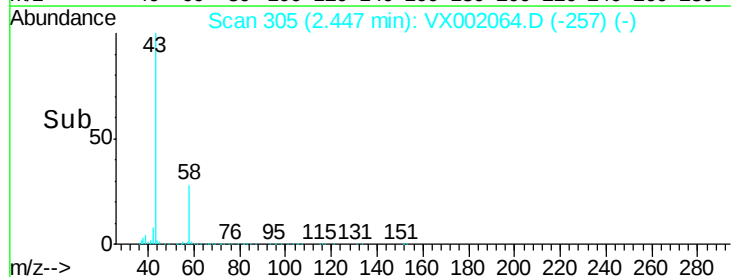
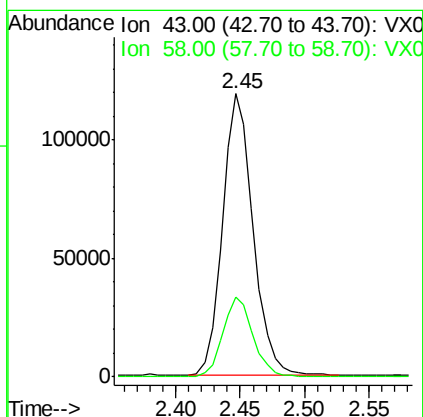
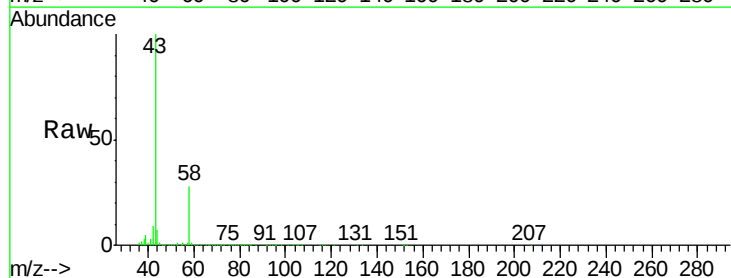
RT: 2.45 min Scan# 305

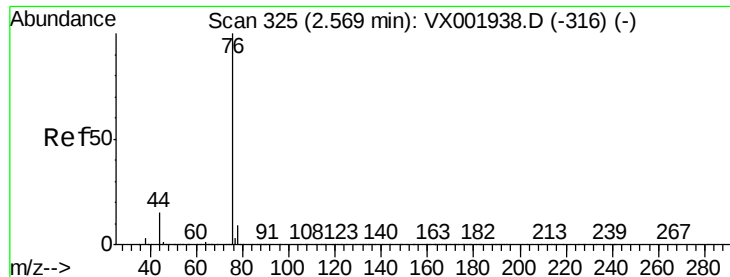
Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion:	43	Resp:	197364
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.3	33.5





#17

Carbon Disulfide

Concen: 19.11 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

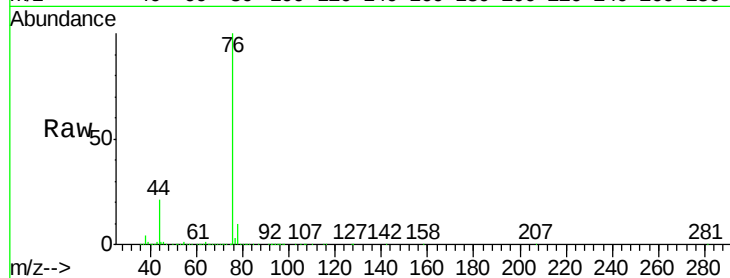
ClientSampled :

Tot Ion: 76 Resp: 153943

Ion Ratio Lower Upper

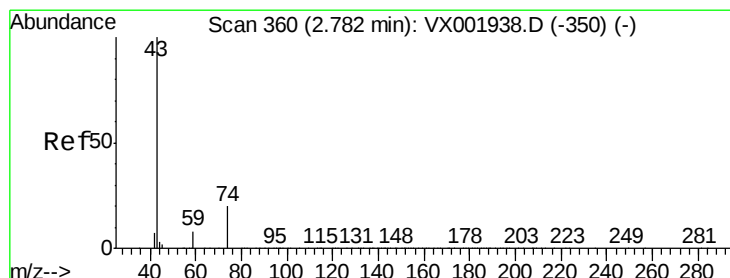
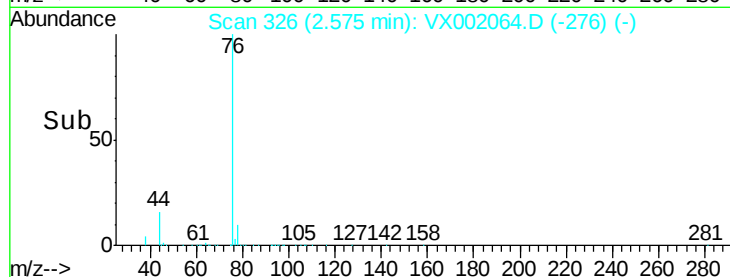
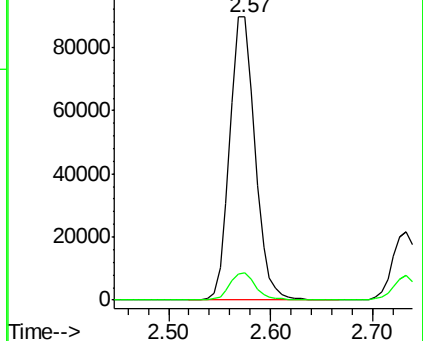
76 100

78 9.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 25.58 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002064.D

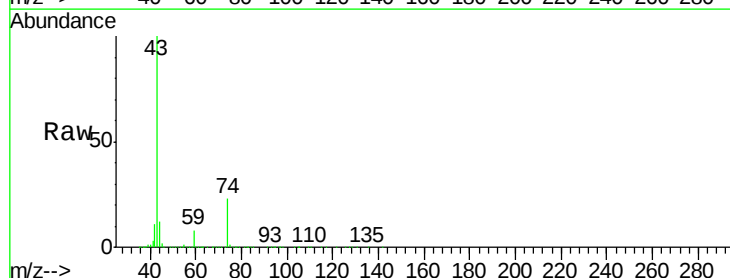
Acq: 27 May 2018 13:19

Tgt Ion: 43 Resp: 104310

Ion Ratio Lower Upper

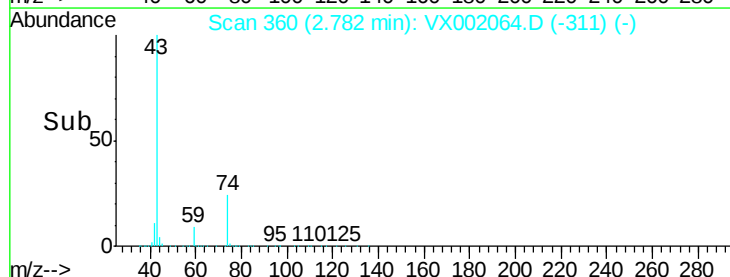
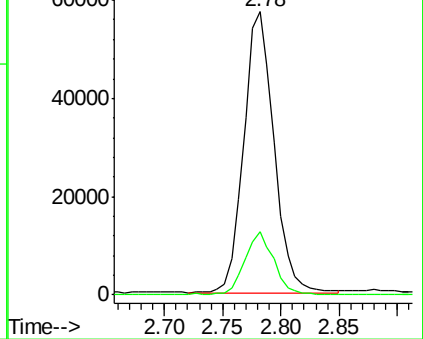
43 100

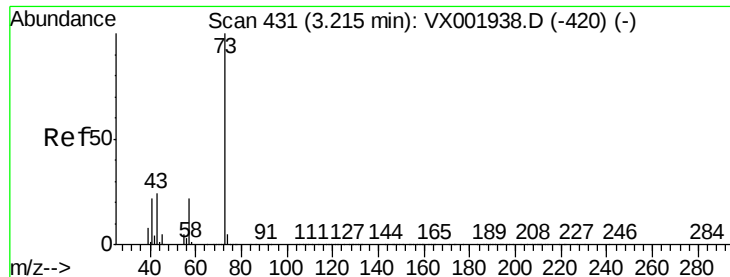
74 22.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

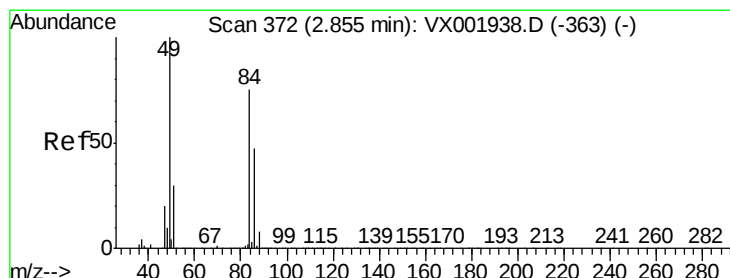
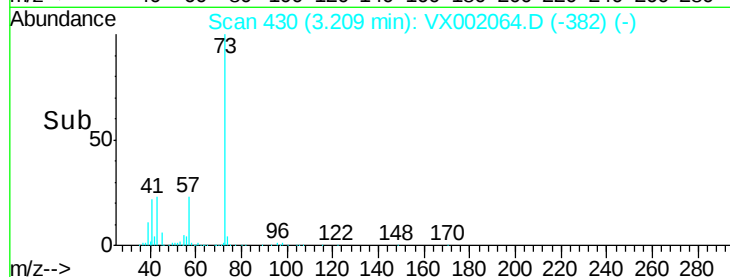
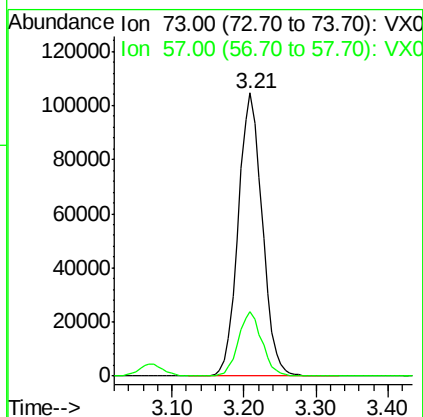
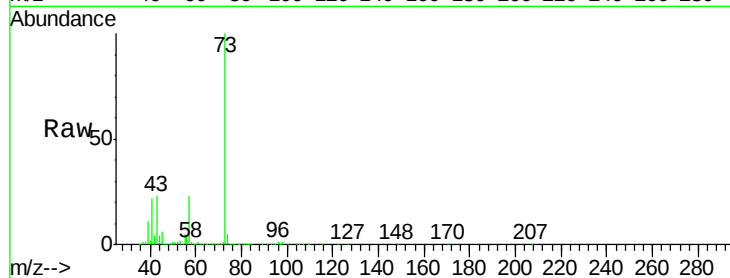




#19
Methvl tert-butvl Ether
Concen: 22.98 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

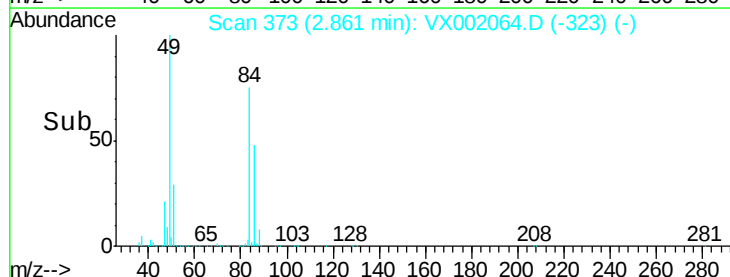
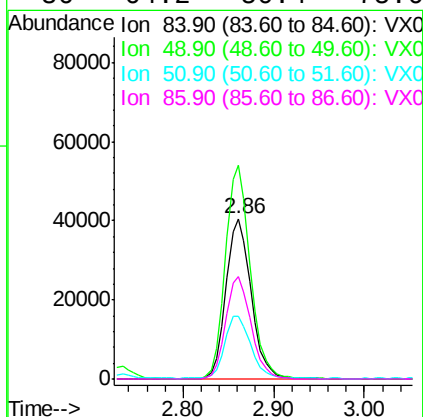
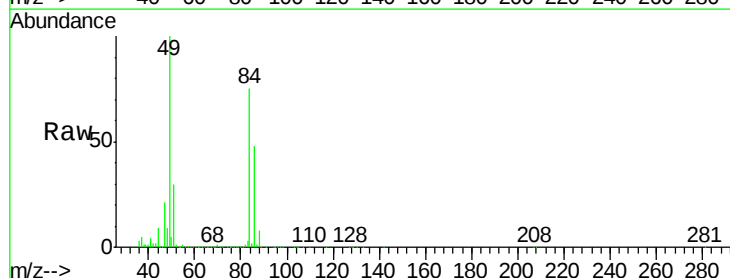
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 241966
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0



#20
Methylene Chloride
Concen: 26.47 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 84 Resp: 78190
Ion Ratio Lower Upper
84 100
49 133.3 107.2 160.8
51 39.1 32.4 48.6
86 64.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 22.23 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

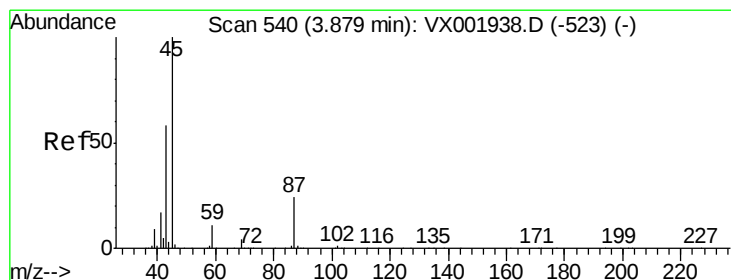
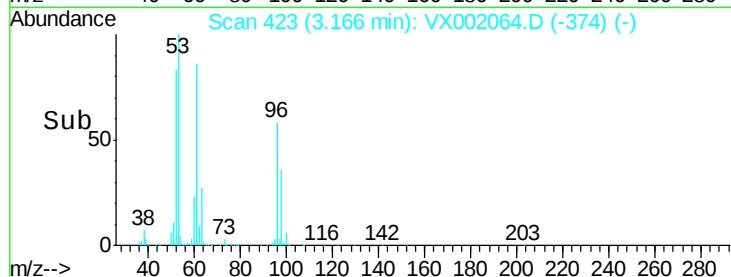
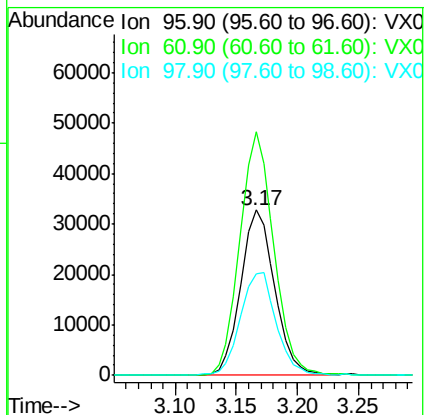
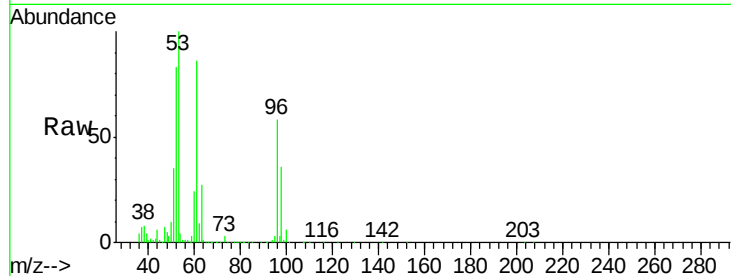
Tot Ion: 96 Resp: 62964

Ion Ratio Lower Upper

96 100

61 147.6 113.3 169.9

98 61.6 51.7 77.5



#22

Diisopropyl ether

Concen: 20.12 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion: 45 Resp: 240464

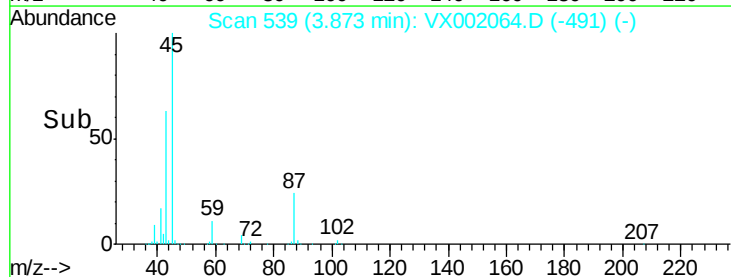
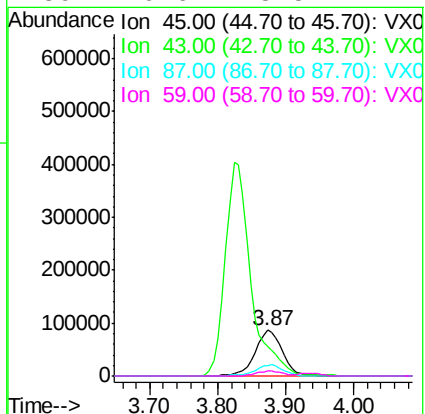
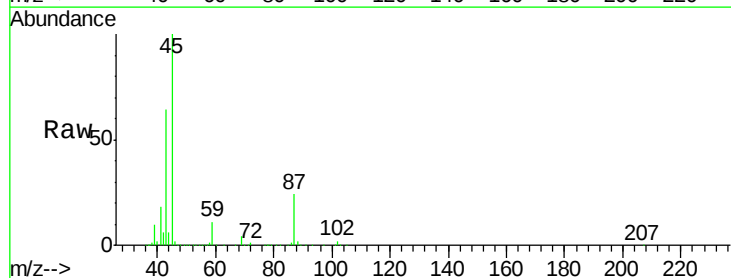
Ion Ratio Lower Upper

45 100

43 63.8 47.0 70.6

87 23.9 19.4 29.0

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 107.10 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

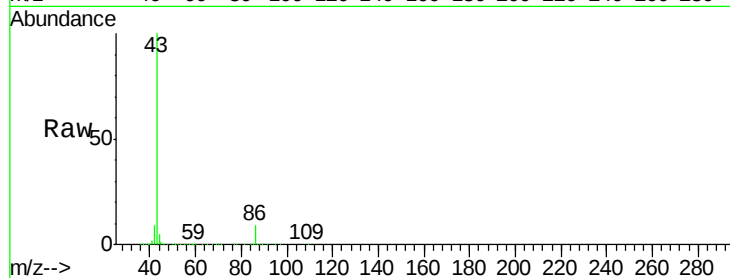
ClientSampleId :

Tot Ion: 43 Resp: 1061254

Ion Ratio Lower Upper

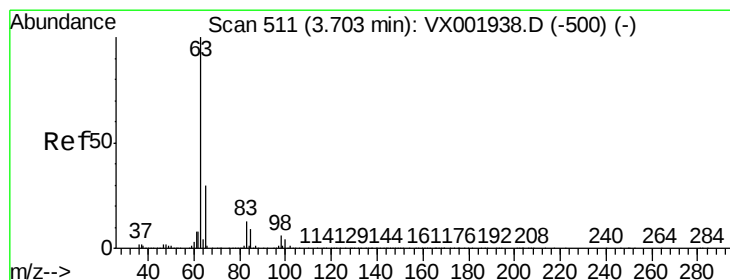
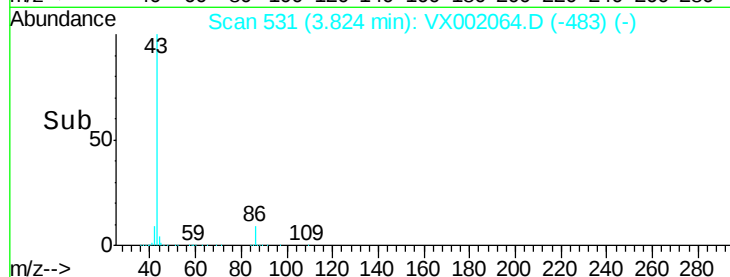
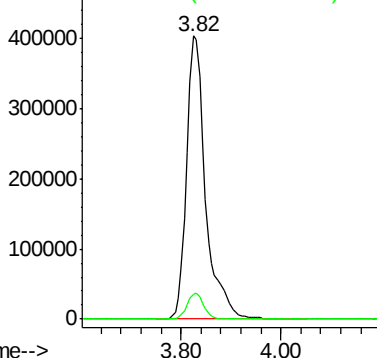
43 100

86 8.8 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.69 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

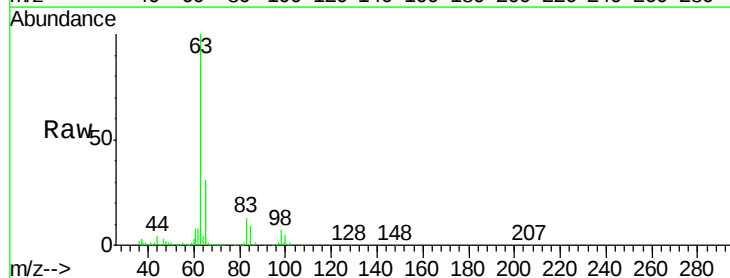
Tgt Ion: 63 Resp: 123125

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

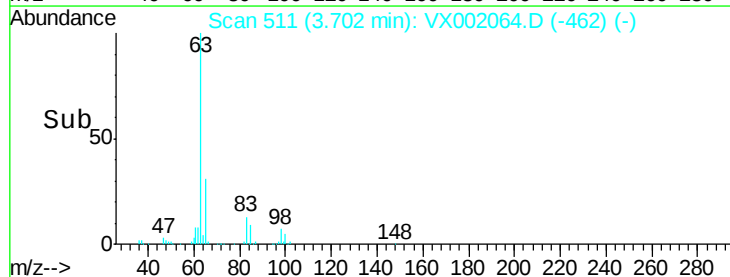
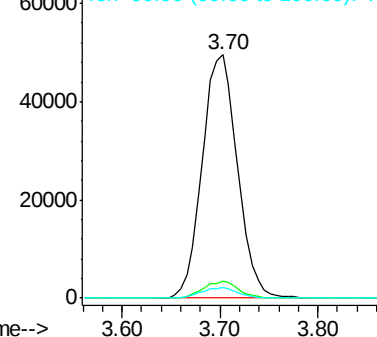
100 4.5 2.1 6.5

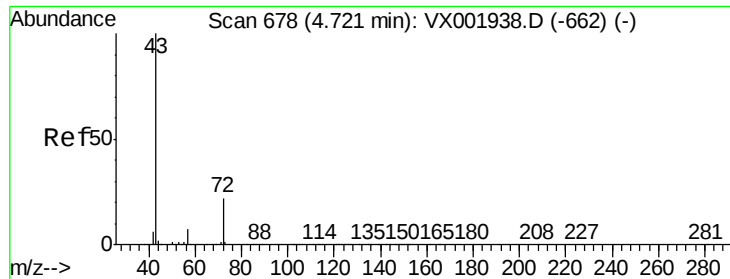


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.59 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

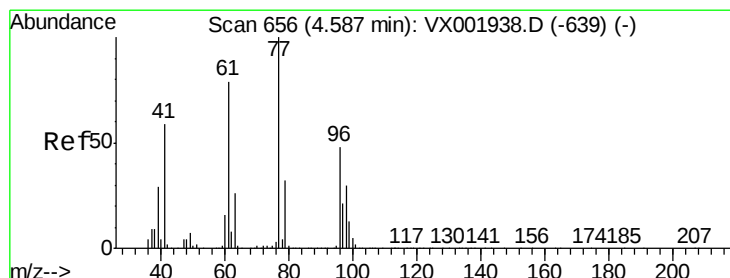
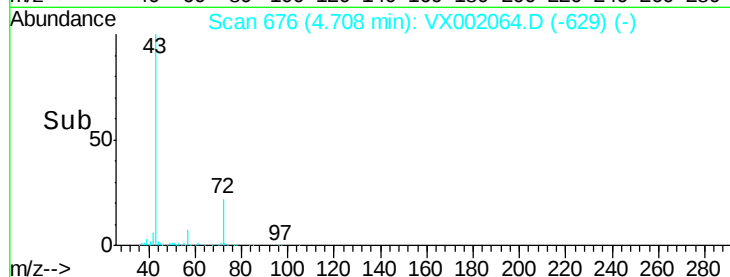
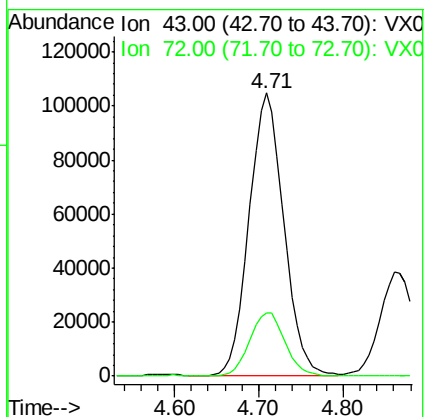
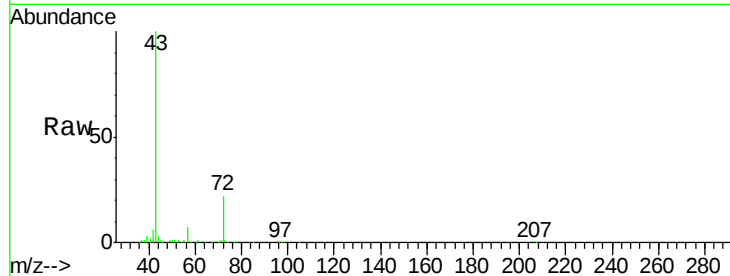
ClientSampled :

Tot Ion: 43 Resp: 293296

Ion Ratio Lower Upper

43 100

72 22.2 17.9 26.9



#26

2,2-Dichloropropane

Concen: 18.63 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002064.D

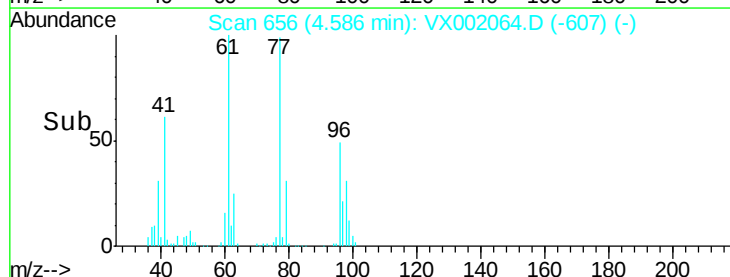
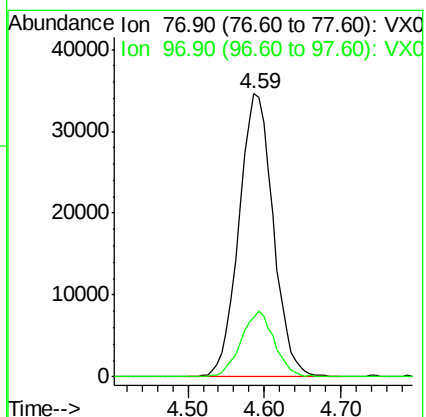
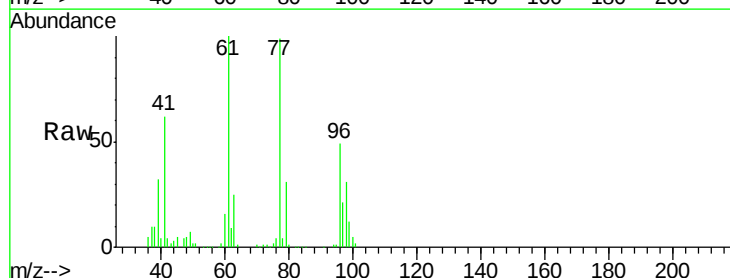
Acq: 27 May 2018 13:19

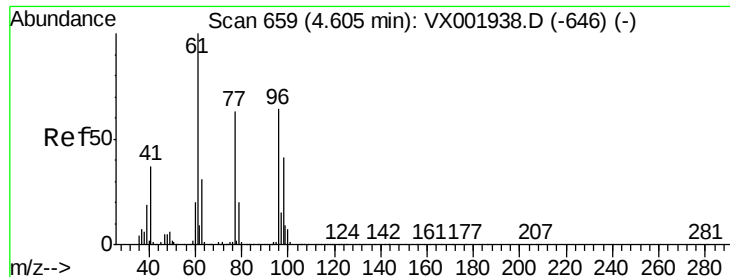
Tgt Ion: 77 Resp: 107081

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5



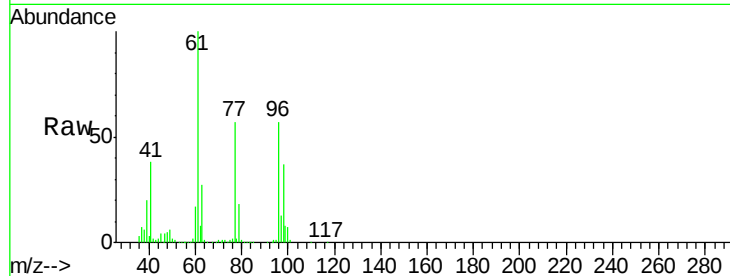


#27

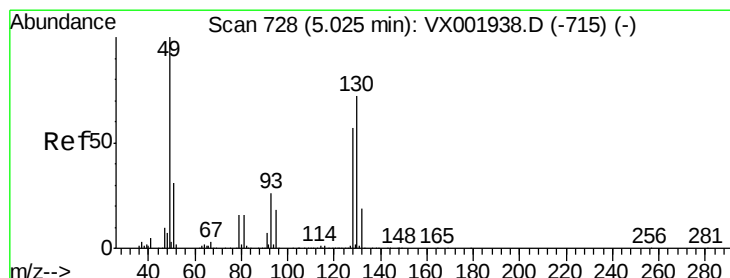
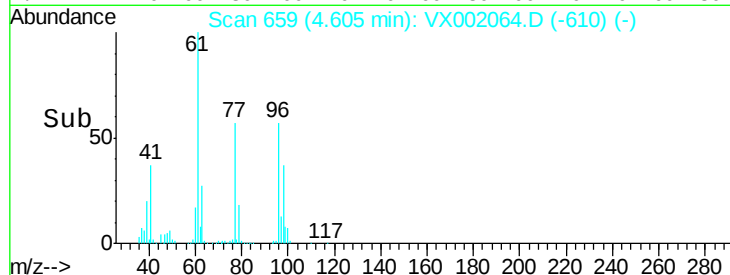
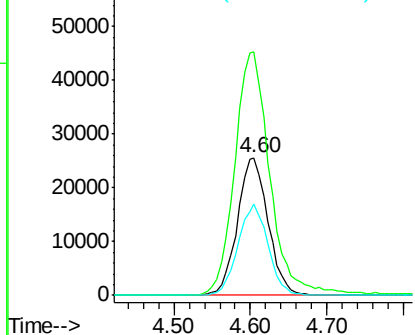
cis-1,2-Dichloroethene
Concen: 19.55 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	204.0	0.0	348.4
98	64.9	0.0	128.6



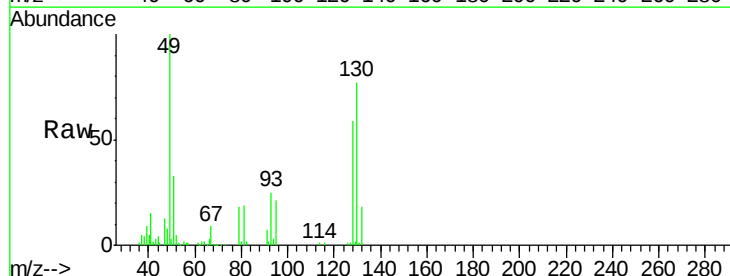
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



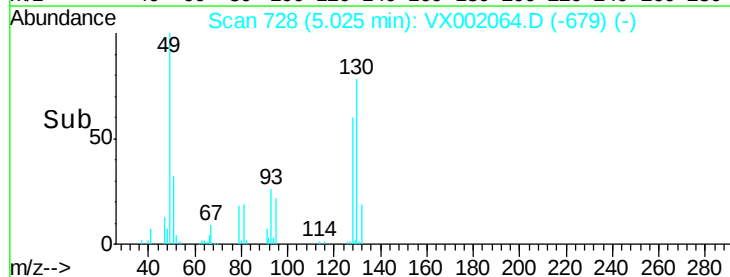
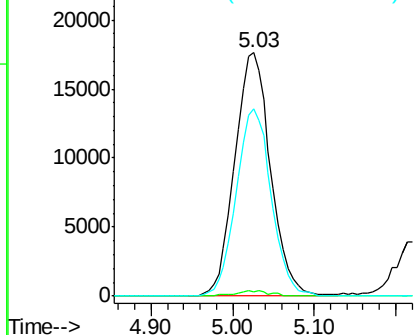
#28

Bromochloromethane
Concen: 21.33 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.5	59.4	89.2



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





#29

Tetrahydrofuran

Concen: 94.81 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

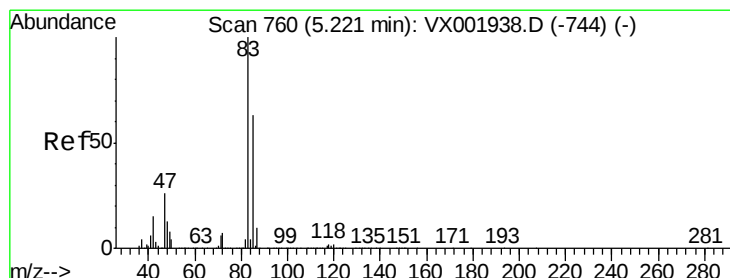
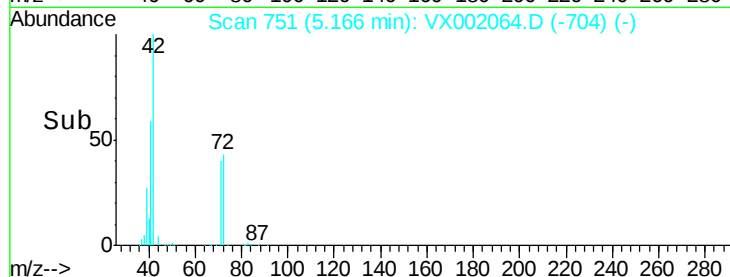
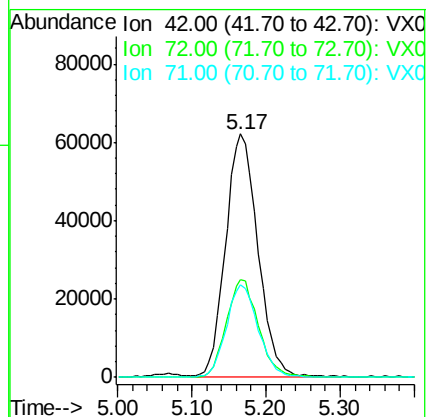
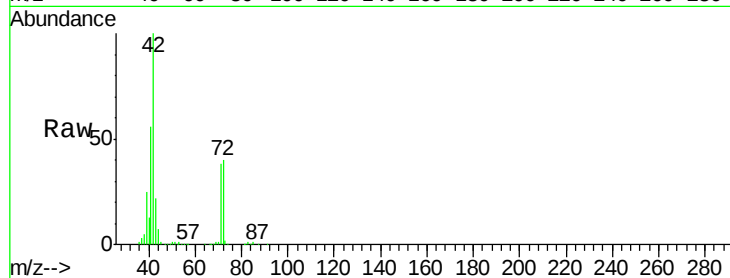
Tot Ion: 42 Resp: 187306

Ion Ratio Lower Upper

42 100

72 40.1 31.4 47.0

71 37.8 29.5 44.3



#30

Chloroform

Concen: 19.33 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002064.D

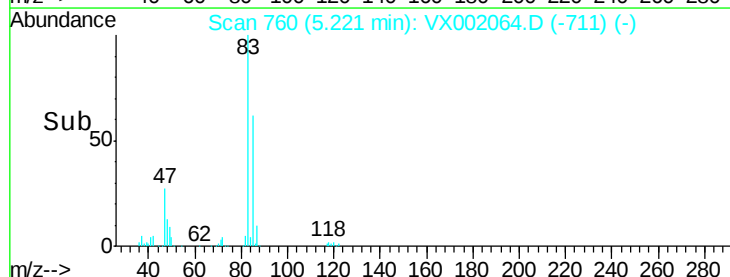
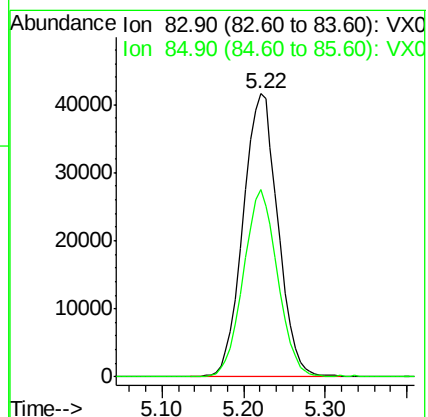
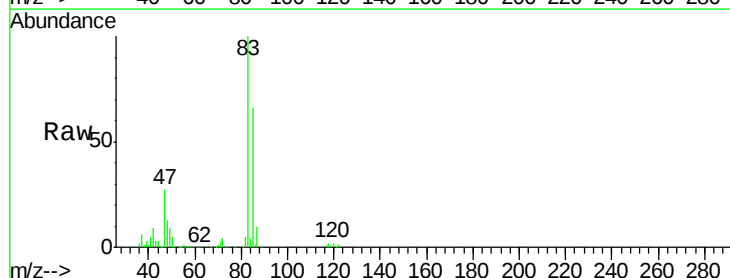
Acq: 27 May 2018 13:19

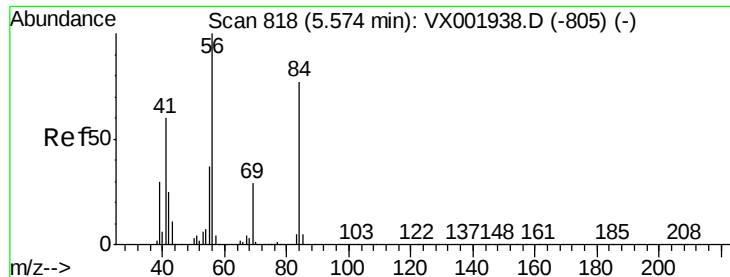
Tgt Ion: 83 Resp: 123646

Ion Ratio Lower Upper

83 100

85 66.3 50.9 76.3

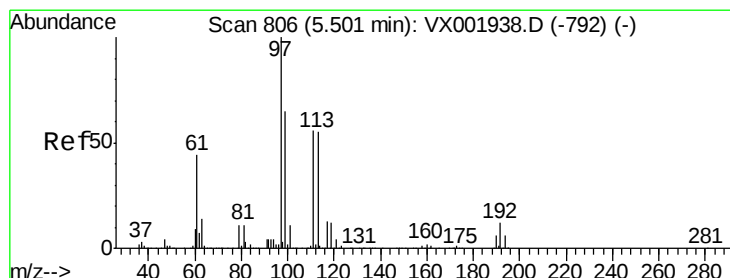
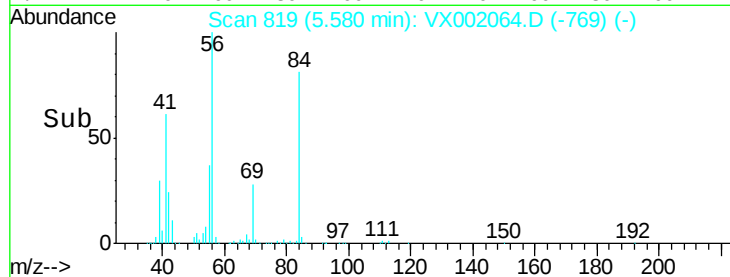
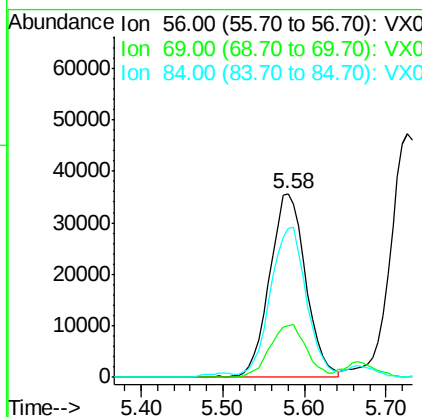
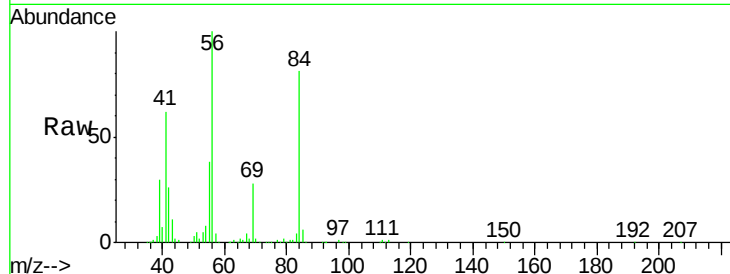




#31
Cyclohexane
Concen: 18.39 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

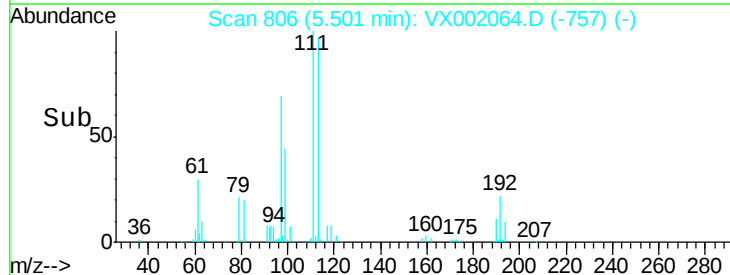
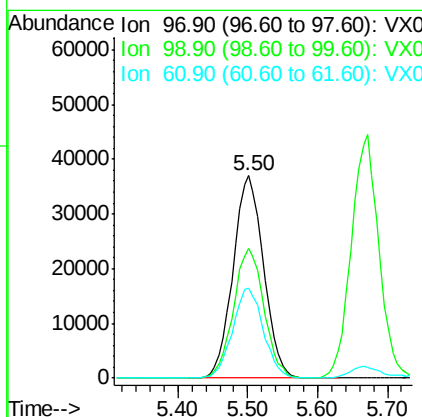
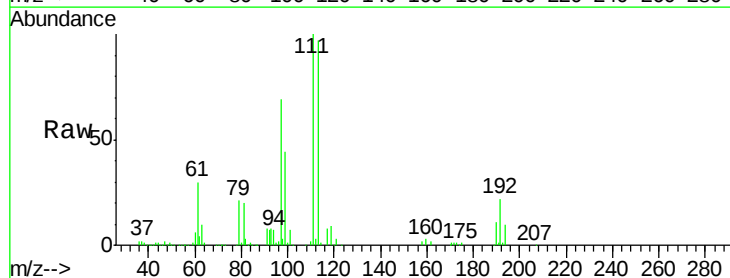
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 108782
Ion Ratio Lower Upper
56 100
69 28.2 23.1 34.7
84 80.6 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 18.83 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 97 Resp: 112264
Ion Ratio Lower Upper
97 100
99 63.9 51.9 77.9
61 44.6 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 47.57 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

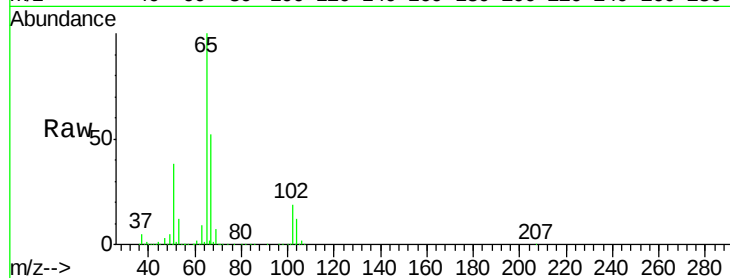
ClientSampleId :

Tot Ion: 65 Resp: 204196

Ion Ratio Lower Upper

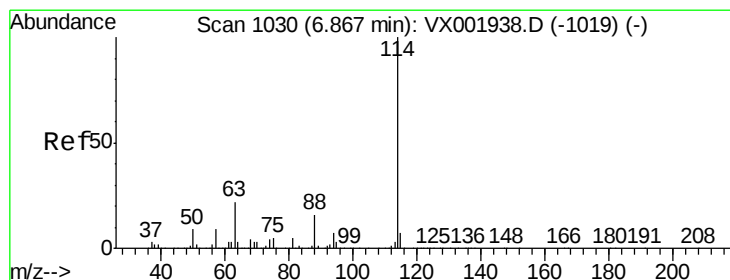
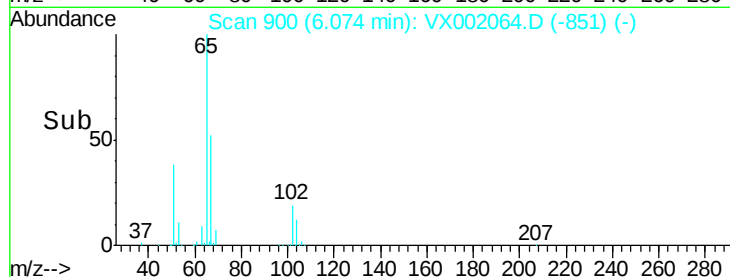
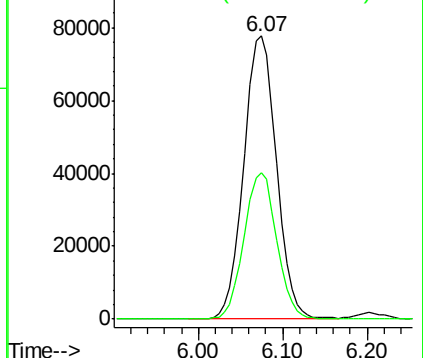
65 100

67 51.8 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

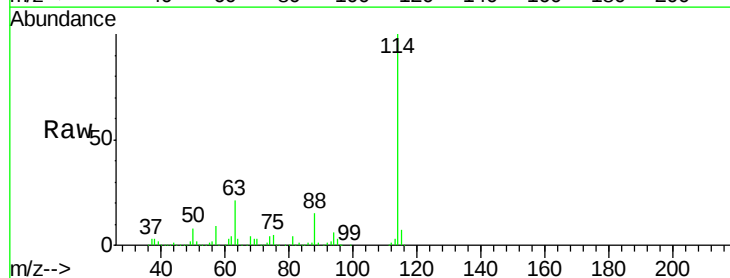
Tgt Ion: 114 Resp: 333741

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

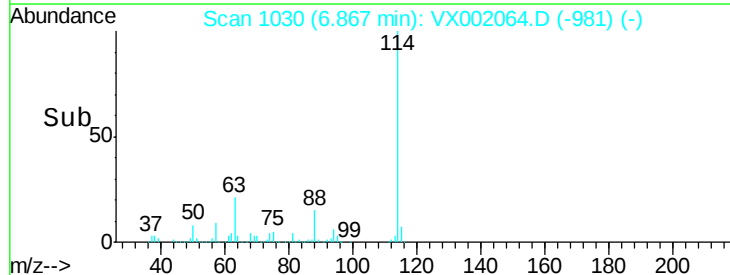
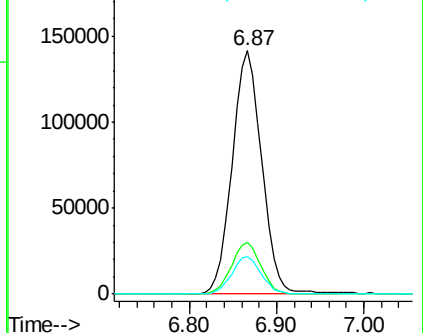
88 15.4 0.0 31.6

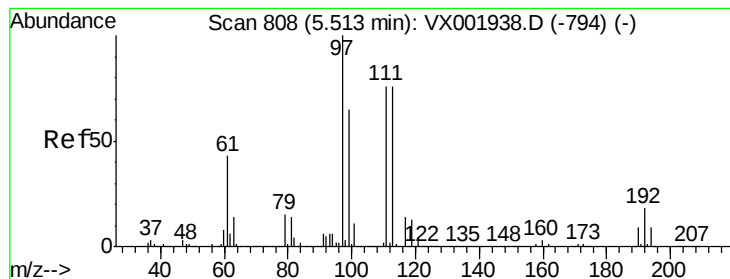


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.75 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampled :

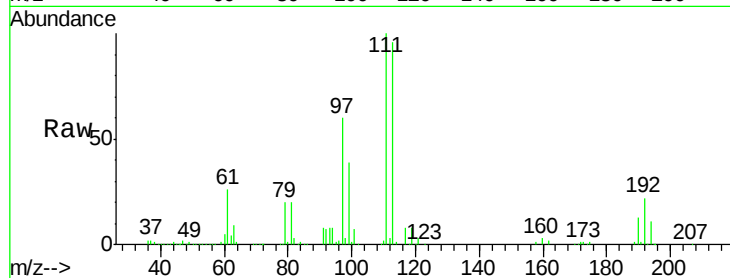
Tot Ion:113 Resp: 156011

Ion Ratio Lower Upper

113 100

111 104.1 82.0 123.0

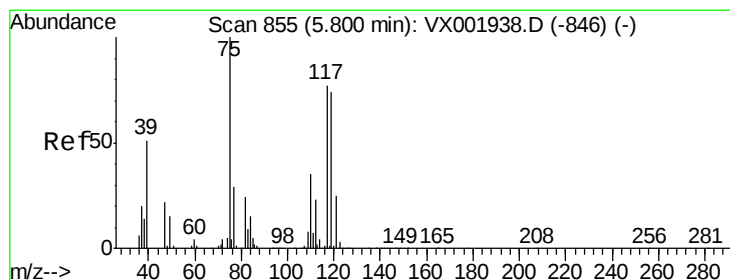
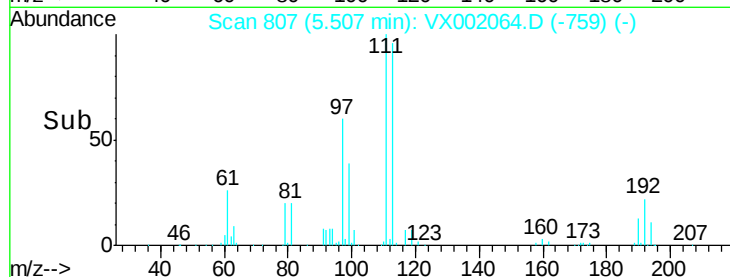
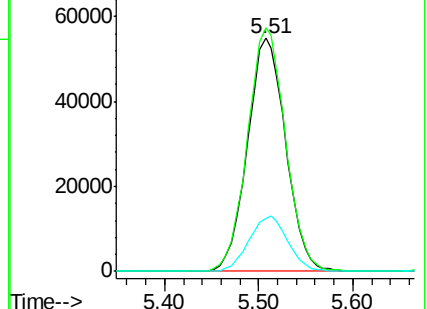
192 24.1 18.9 28.3



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: 18.53 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

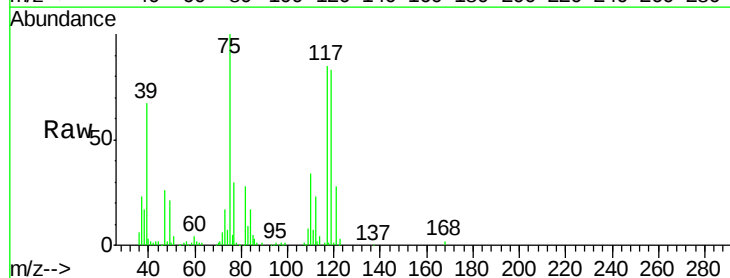
Tgt Ion: 75 Resp: 86007

Ion Ratio Lower Upper

75 100

110 36.3 17.4 52.2

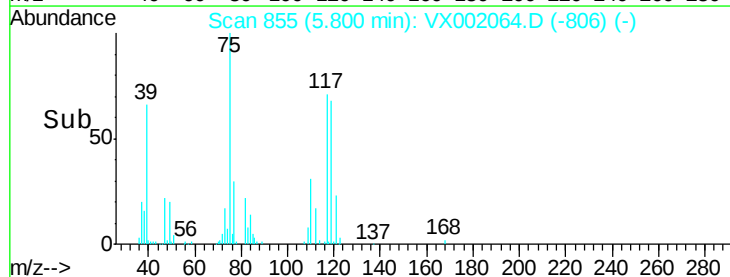
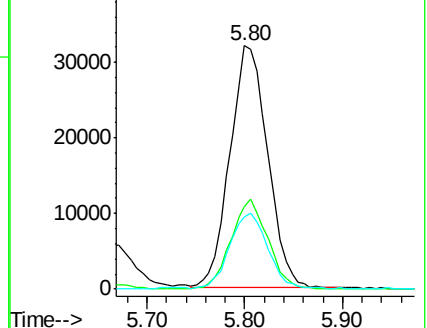
77 30.9 24.4 36.6

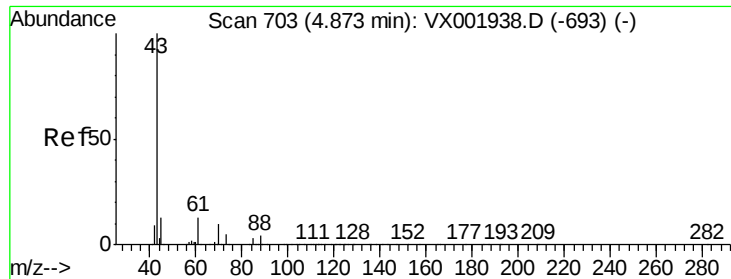


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

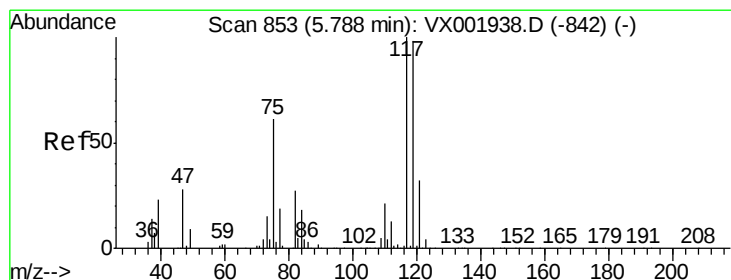
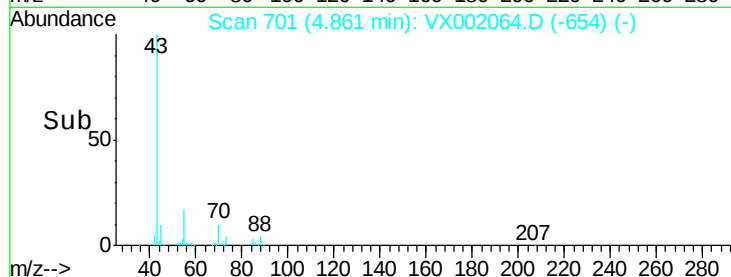
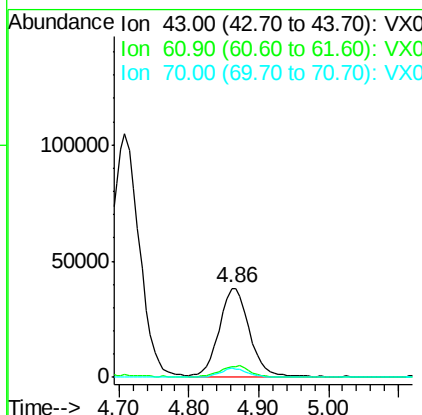
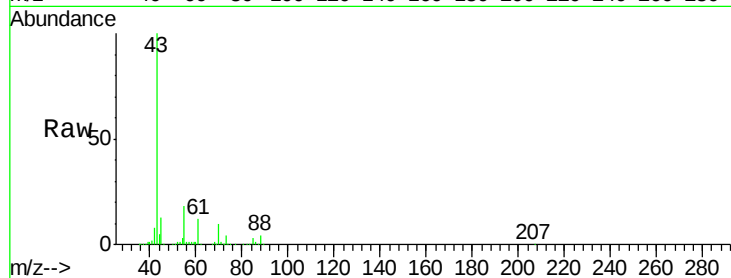




#37
Ethyl Acetate
Concen: 18.79 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

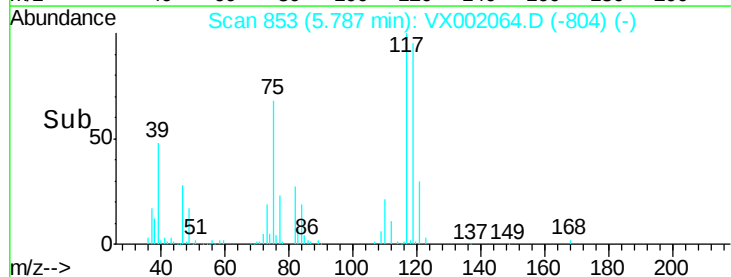
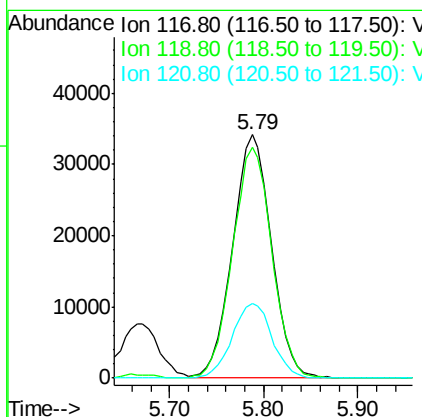
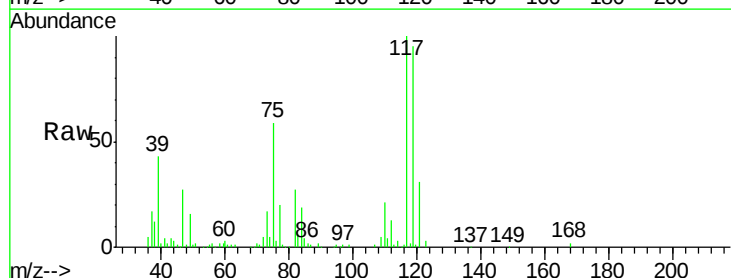
Instrument :
MSVOA_X
ClientSampled :

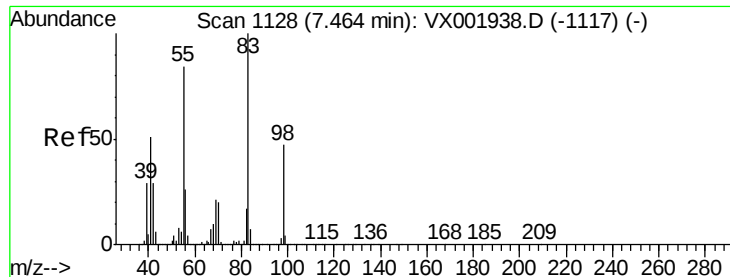
Tot Ion: 43 Resp: 113733
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 9.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.21 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 117 Resp: 98590
Ion Ratio Lower Upper
117 100
119 94.9 78.5 117.7
121 30.6 25.5 38.3

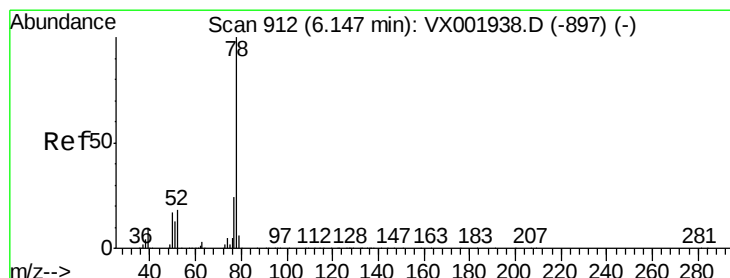
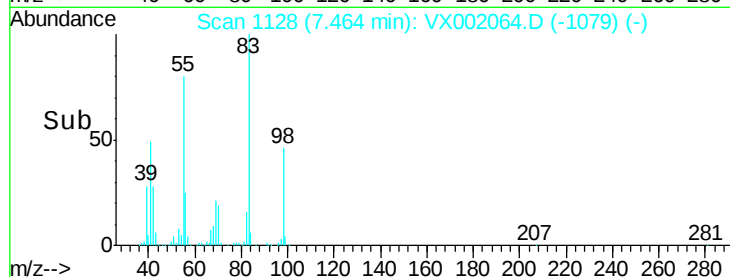
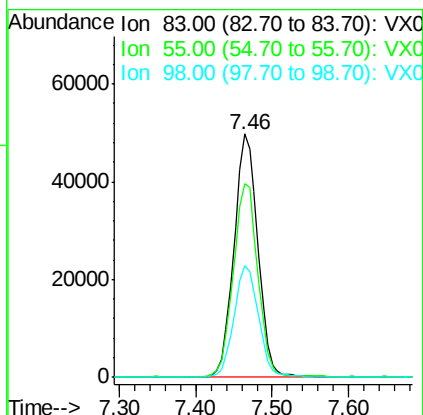
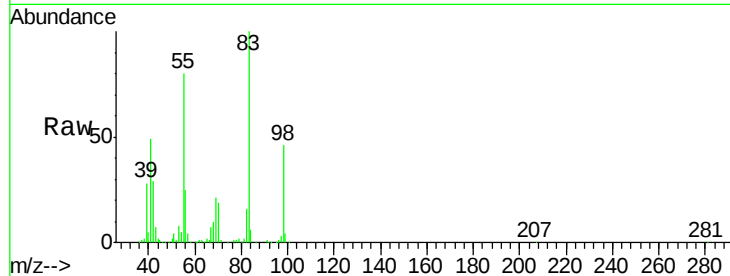




#39
Methvlcvclohexane
Concen: 18.90 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

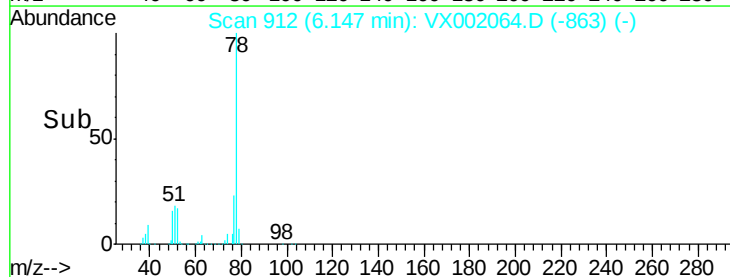
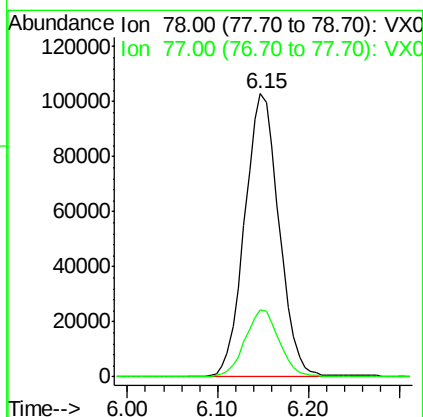
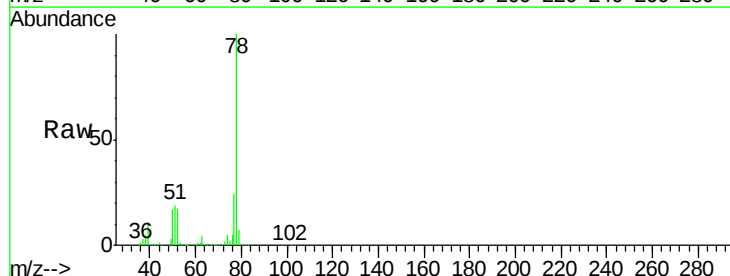
Instrument :
MSVOA_X
ClientSampleId :

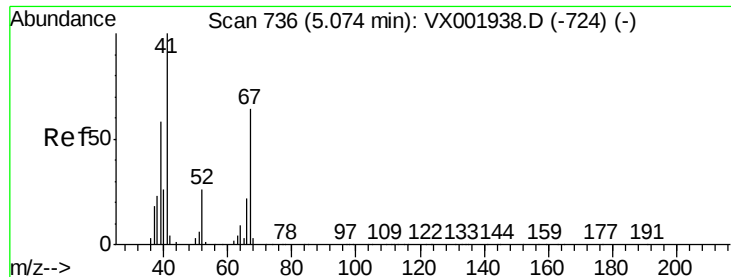
Tot Ion: 83 Resp: 107776
Ion Ratio Lower Upper
83 100
55 79.4 67.3 100.9
98 45.8 37.5 56.3



#40
Benzene
Concen: 19.82 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 78 Resp: 269609
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

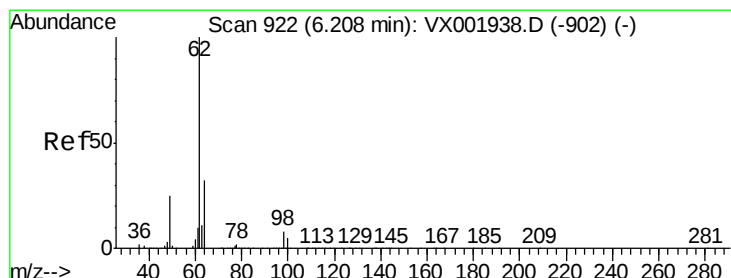
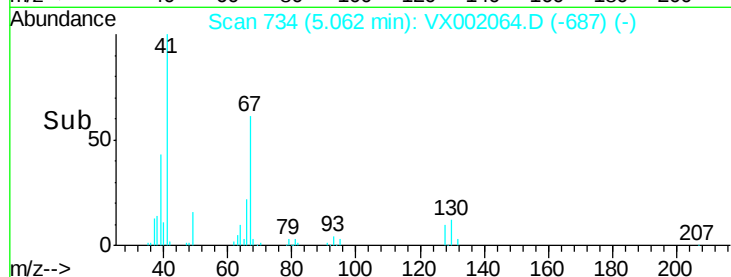
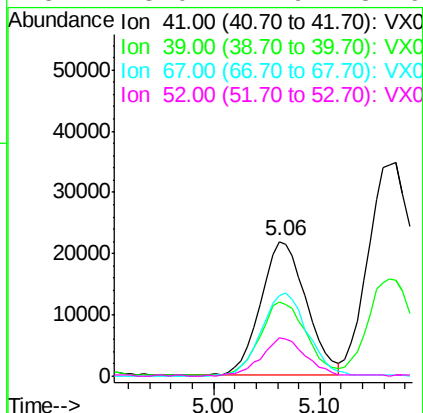
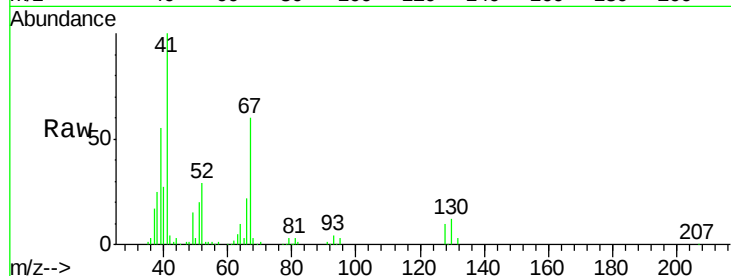




#41
Methacrylonitrile
Concen: 19.53 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

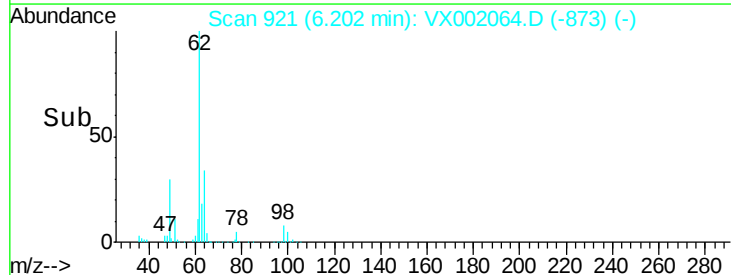
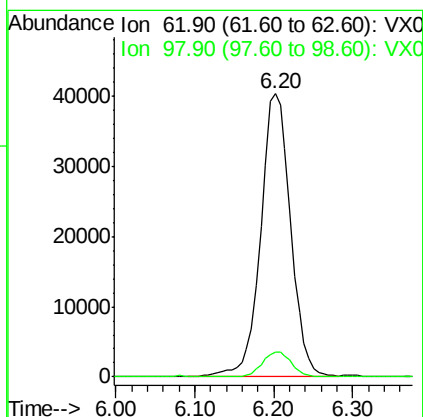
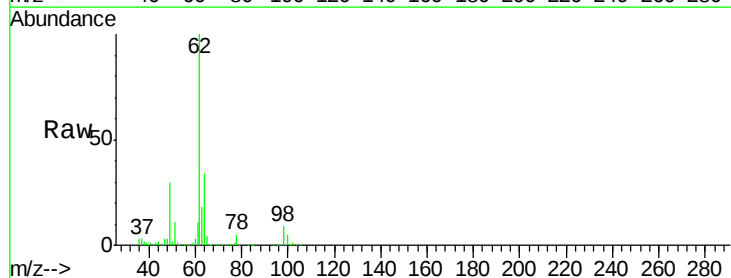
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	65016
Ion	Ratio	Lower	Upper
41	100		
39	55.2	46.0	69.0
67	63.7	50.6	75.8
52	28.0	21.9	32.9



#42
1,2-Dichloroethane
Concen: 19.47 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion:	62	Resp:	105754
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



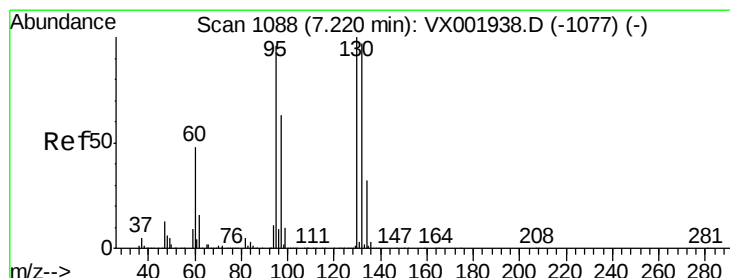
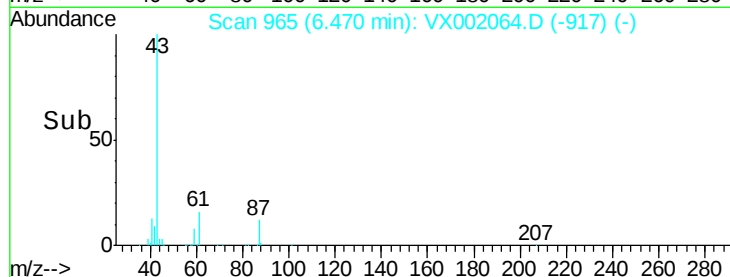
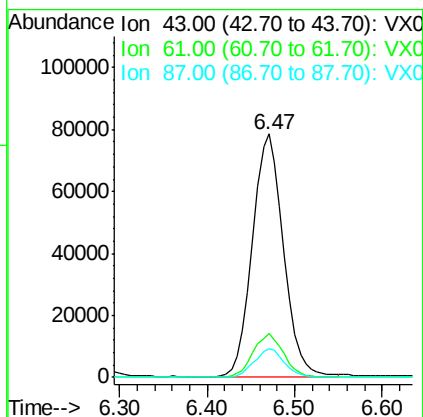
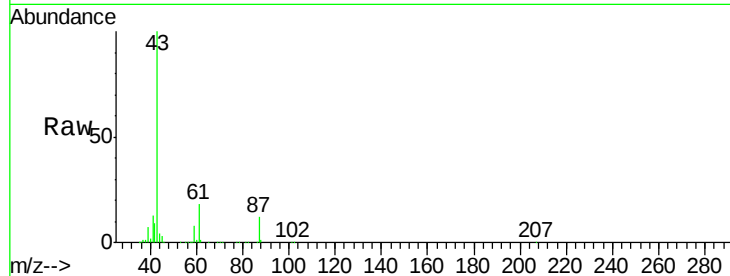


#43

Isopropyl Acetate
 Concen: 19.25 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampled :

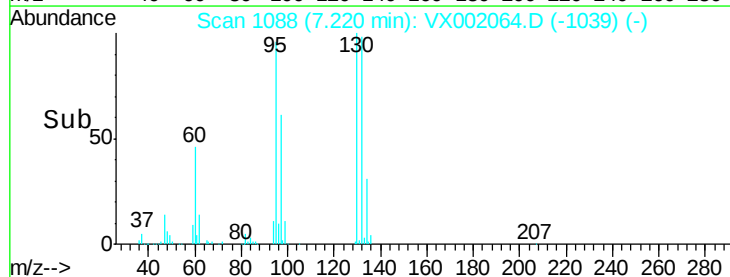
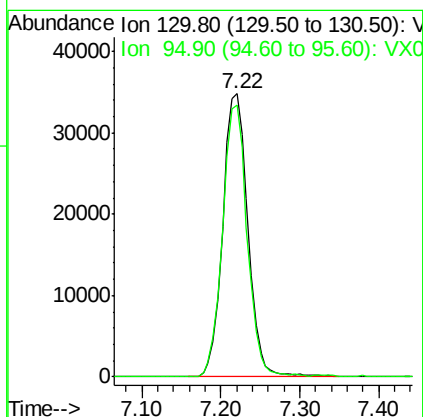
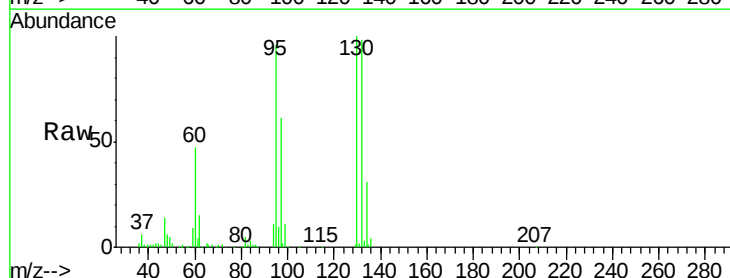
Tot Ion	43	Resp	194144
Ion Ratio	Lower	Upper	
43	100		
61	17.8	14.5	21.7
87	11.6	9.5	14.3



#44

Trichloroethene
 Concen: 19.52 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	130	Resp	77381
Ion Ratio	Lower	Upper	
130	100		
95	95.8	0.0	192.0





#45

1,2-Dichloropropane

Concen: 20.20 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

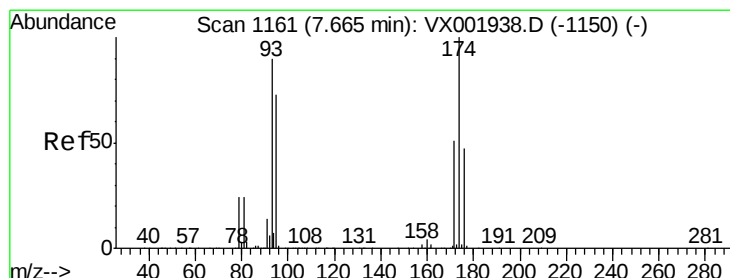
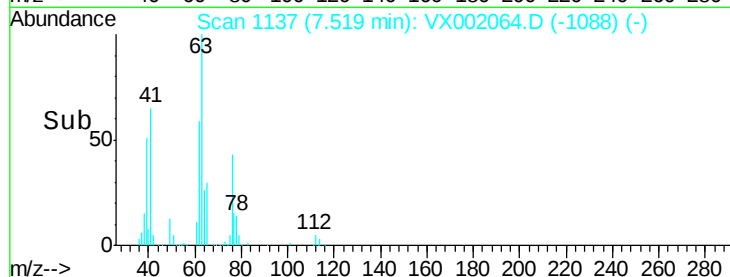
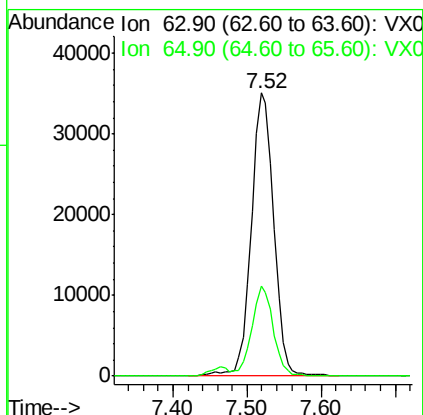
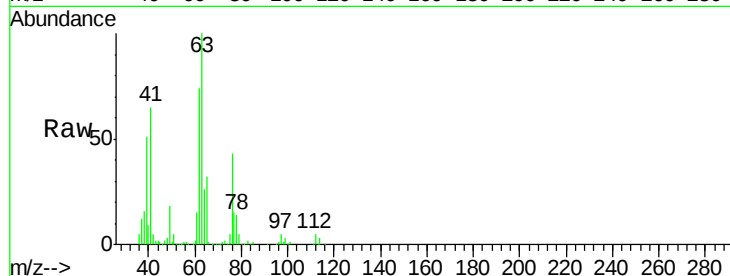
ClientSampleId :

Tot Ion: 63 Resp: 74593

Ion Ratio Lower Upper

63 100

65 31.6 24.1 36.1



#46

Dibromomethane

Concen: 20.51 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

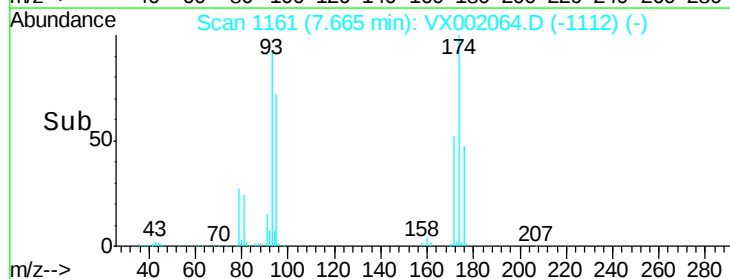
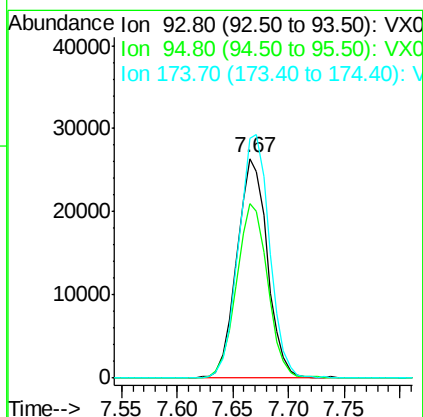
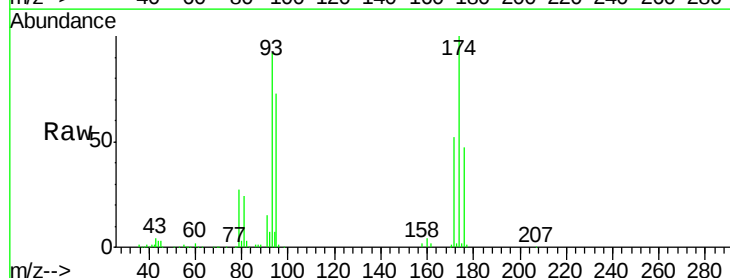
Tgt Ion: 93 Resp: 50154

Ion Ratio Lower Upper

93 100

95 81.2 66.1 99.1

174 113.0 92.5 138.7





#47

Bromodichloromethane

Concen: 18.43 ug/l

RT: 7.90 min Scan# 1200

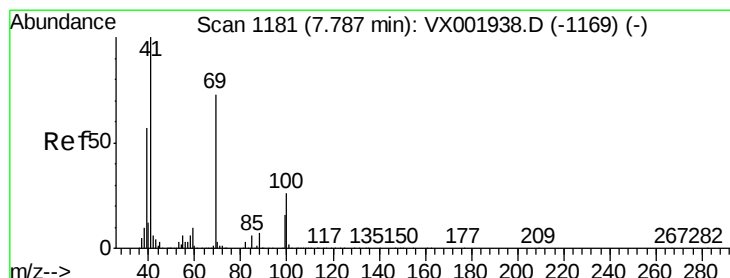
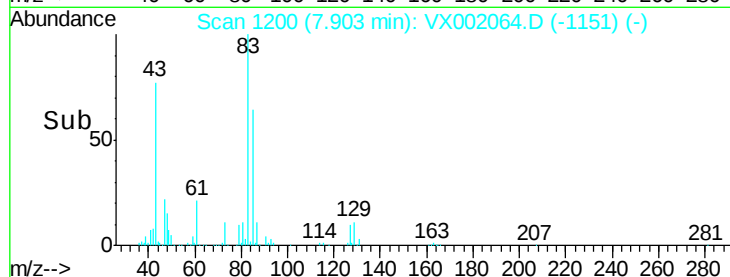
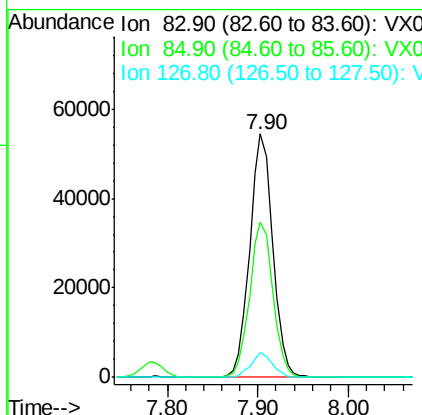
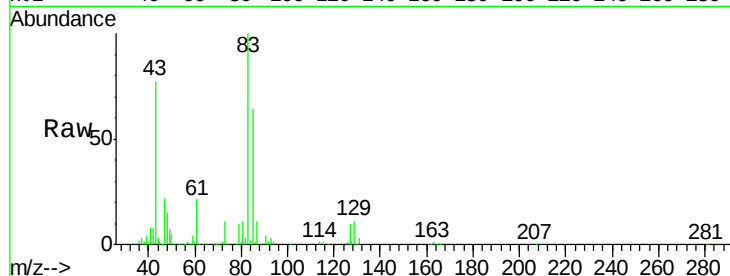
Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	83	Resp:	96077
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2
127	9.9	7.1	10.7



#48

Methyl methacrylate

Concen: 19.37 ug/l

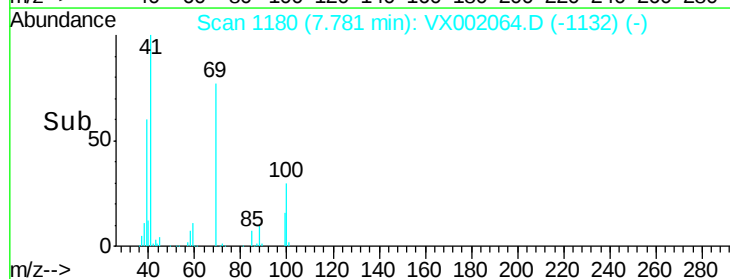
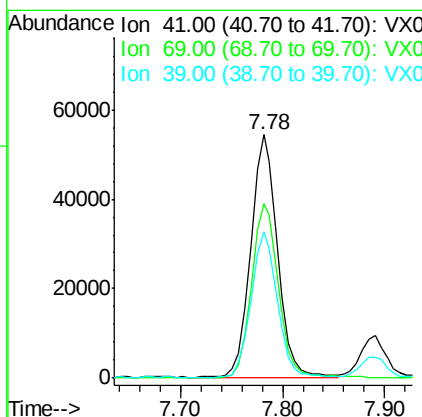
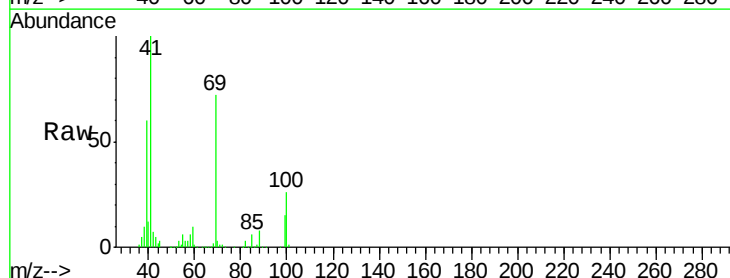
RT: 7.78 min Scan# 1180

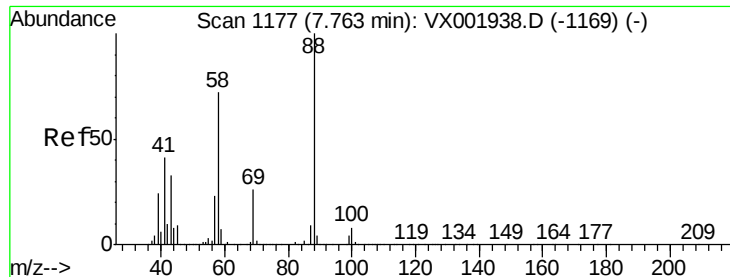
Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion:	41	Resp:	99427
Ion	Ratio	Lower	Upper
41	100		
69	73.4	58.6	87.8
39	59.4	46.3	69.5





#49

1,4-Dioxane

Concen: 406.29 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

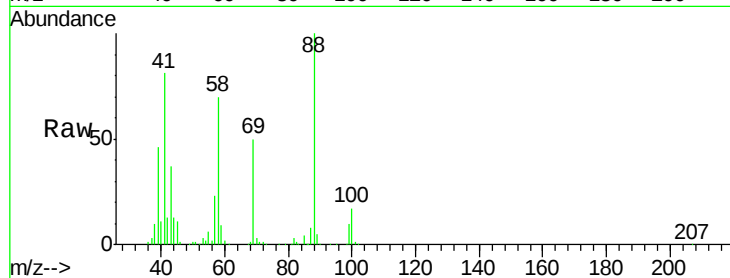
Tot Ion: 88 Resp: 36746

Ion Ratio Lower Upper

88 100

43 37.7 29.8 44.8

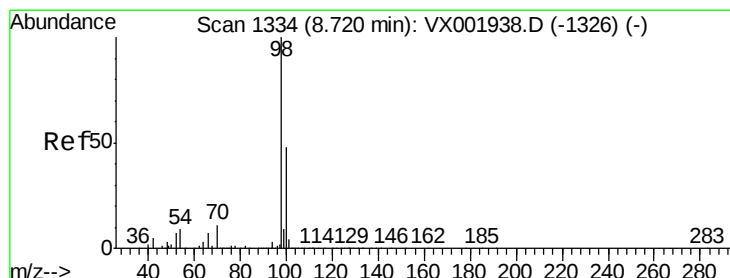
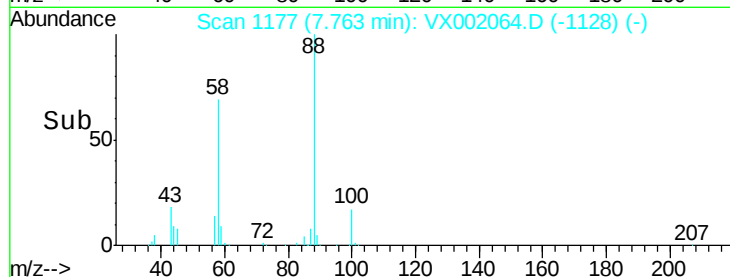
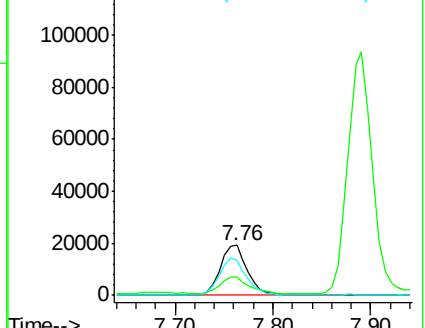
58 75.1 58.7 88.1



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002064.D

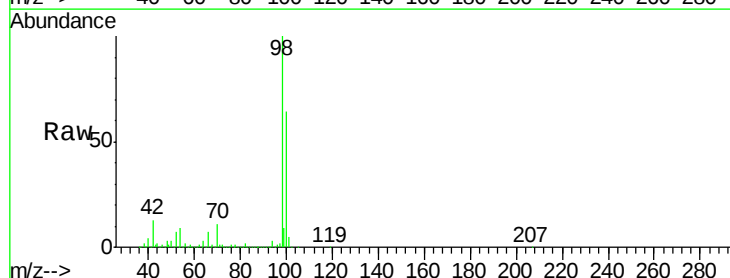
Acq: 27 May 2018 13:19

Tgt Ion: 98 Resp: 579371

Ion Ratio Lower Upper

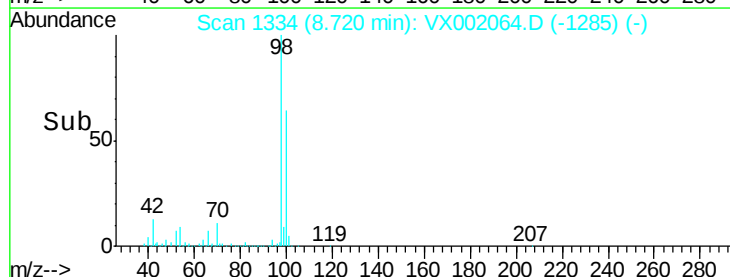
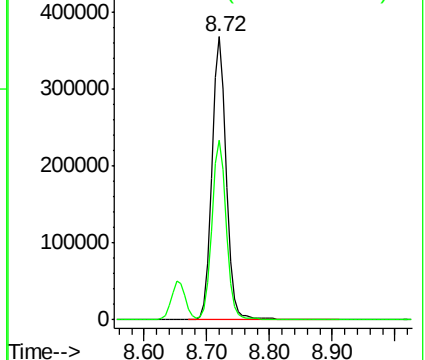
98 100

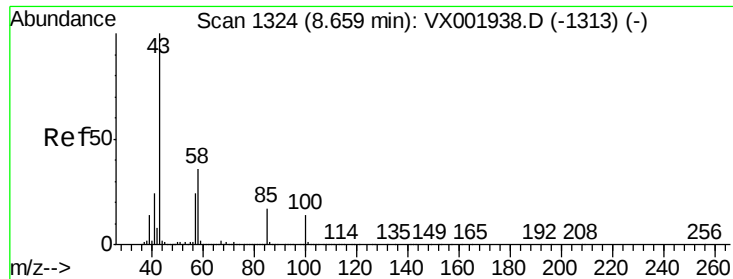
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 100.27 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

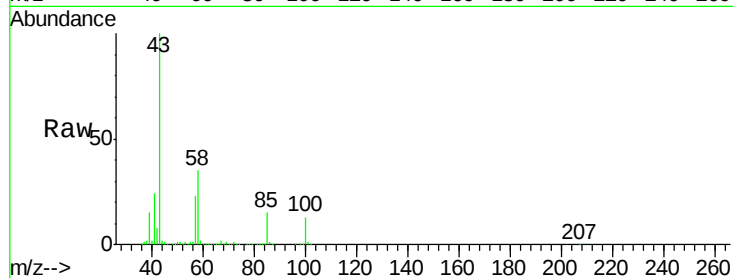
ClientSampled :

Tot Ion: 43 Resp: 609505

Ion Ratio Lower Upper

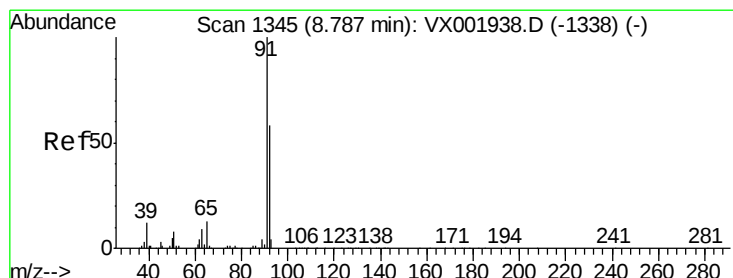
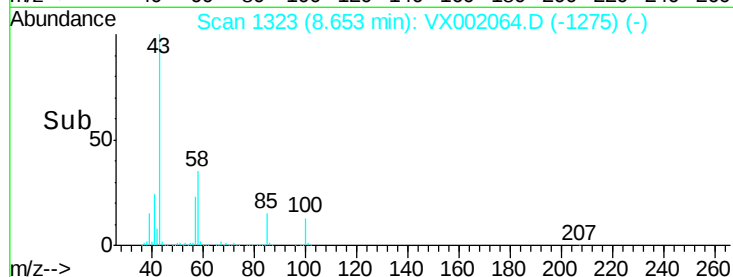
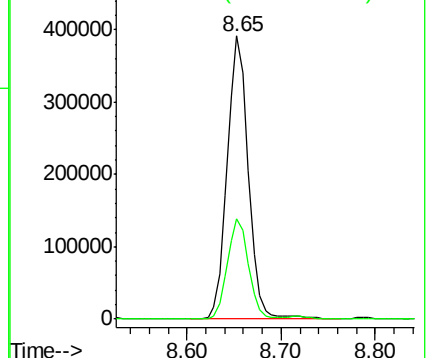
43 100

58 35.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.80 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002064.D

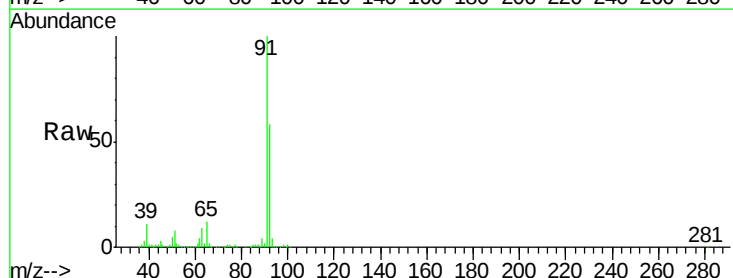
Acq: 27 May 2018 13:19

Tgt Ion: 92 Resp: 171333

Ion Ratio Lower Upper

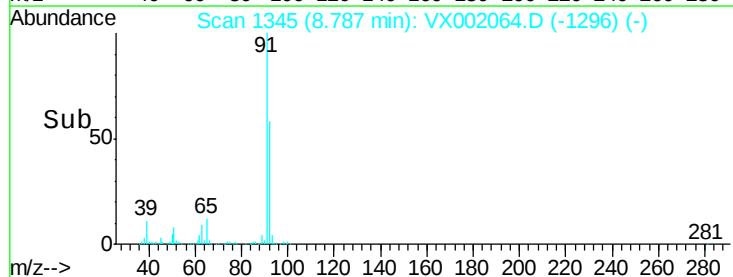
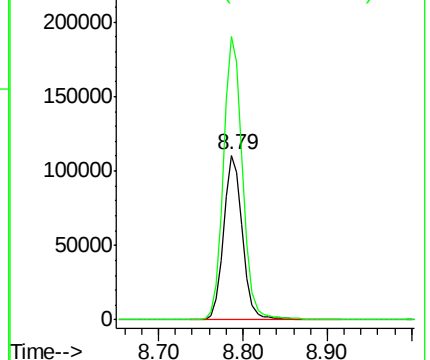
92 100

91 174.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.27 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

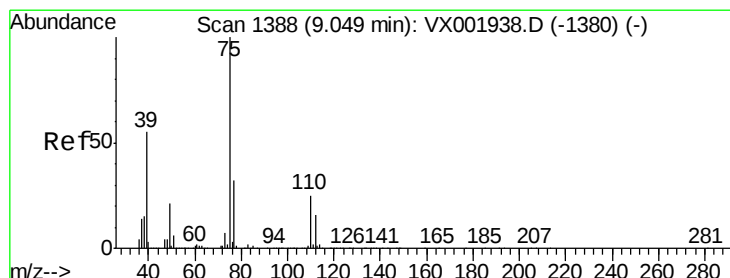
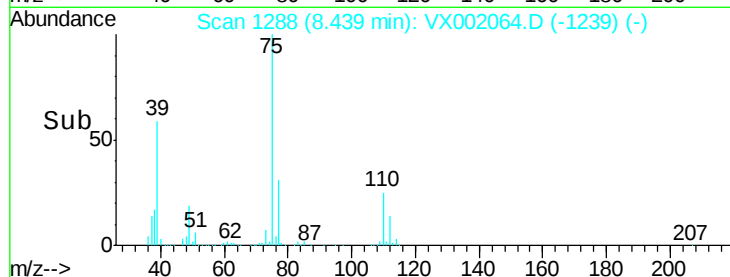
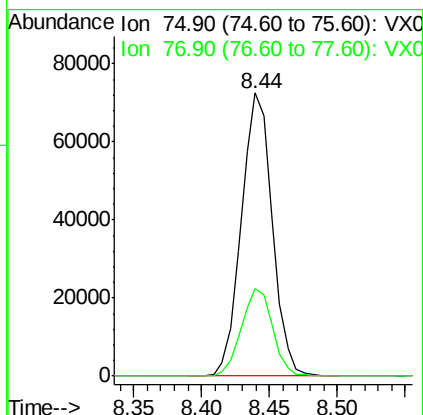
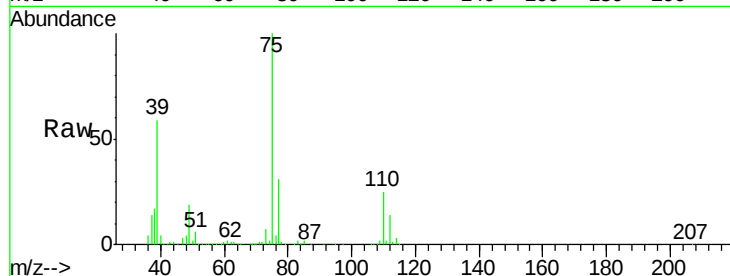
ClientSampleId :

Tot Ion: 75 Resp: 115706

Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.70 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

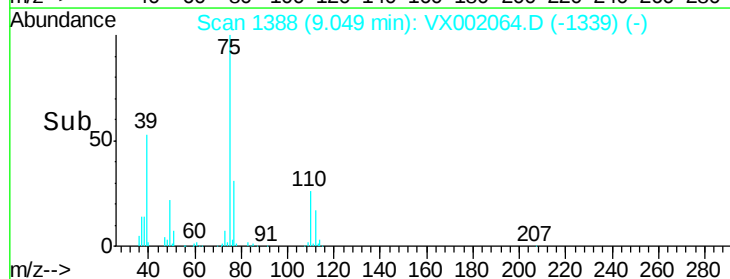
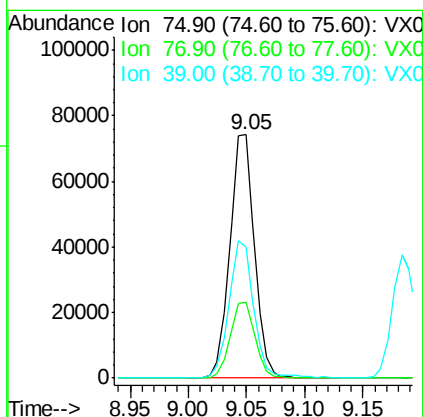
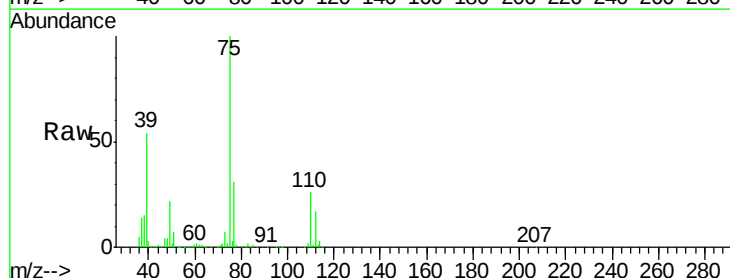
Tgt Ion: 75 Resp: 109449

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 53.6 44.1 66.1





#55

1,1,2-Trichloroethane

Concen: 19.87 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 71861

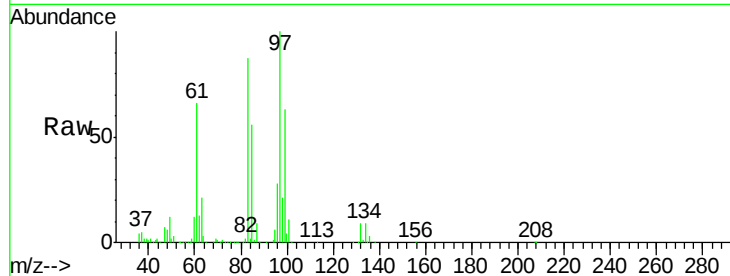
Ion Ratio Lower Upper

97 100

83 87.4 69.1 103.7

85 55.8 45.2 67.8

99 63.5 49.6 74.4

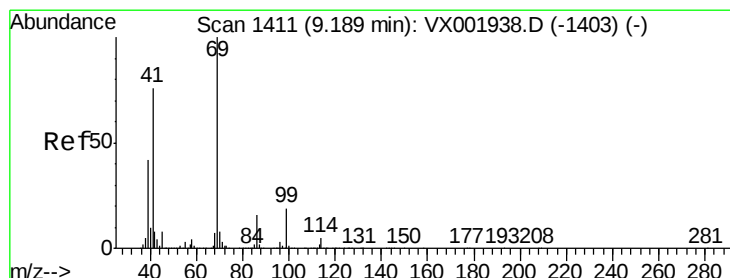
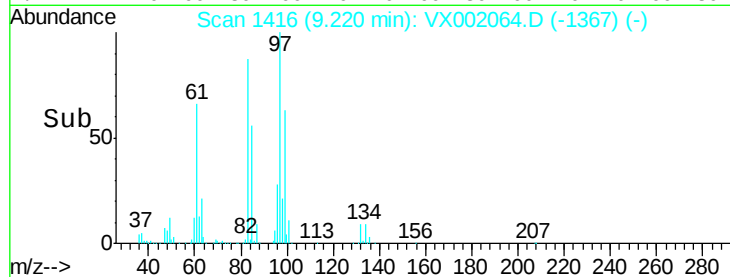
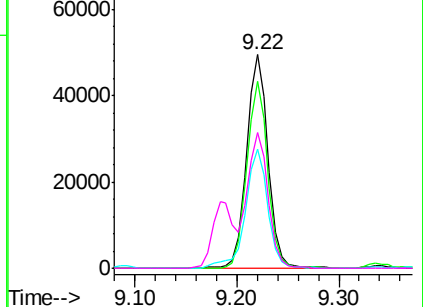


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 19.15 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

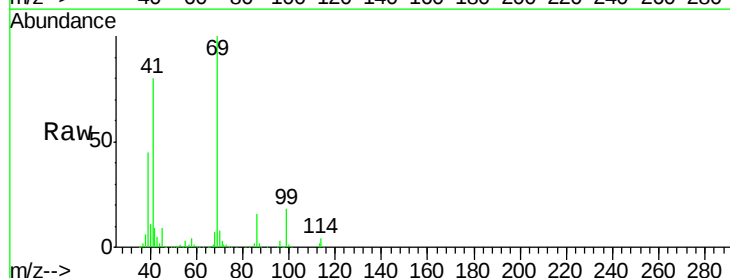
Tgt Ion: 69 Resp: 119099

Ion Ratio Lower Upper

69 100

41 77.6 61.0 91.6

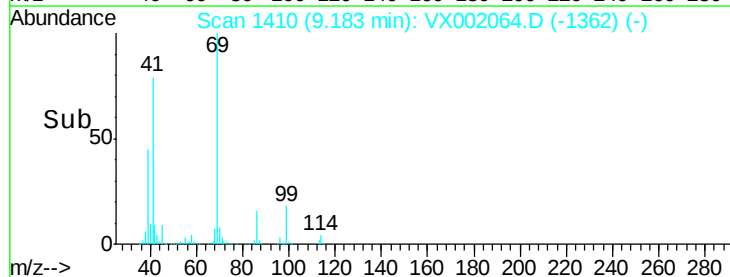
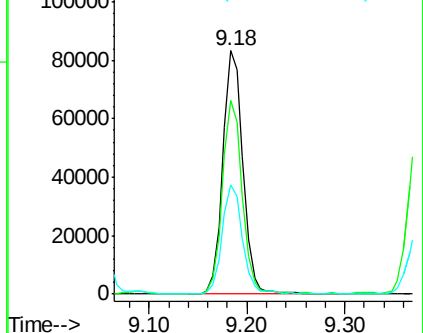
39 44.0 34.4 51.6

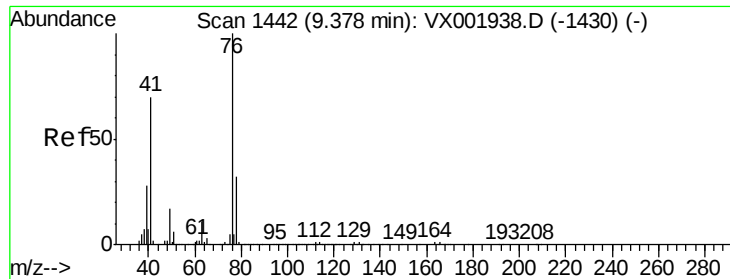


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.43 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

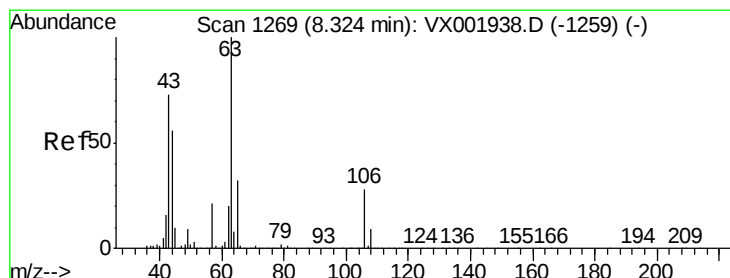
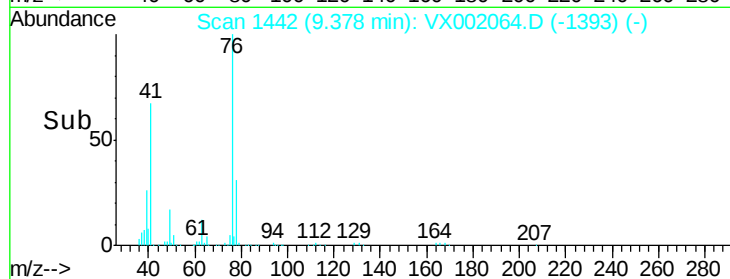
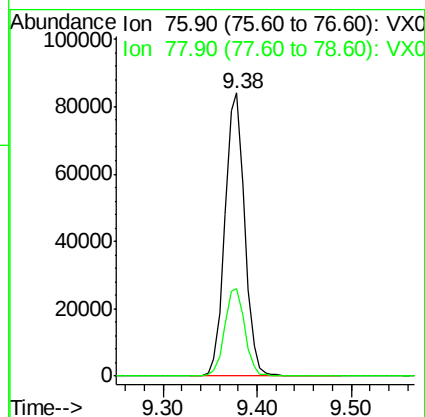
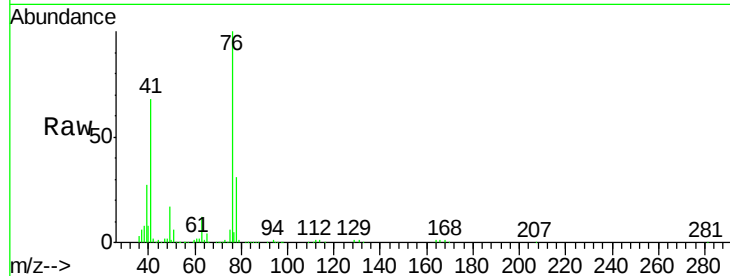
ClientSampleId :

Tot Ion: 76 Resp: 121695

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 106.54 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002064.D

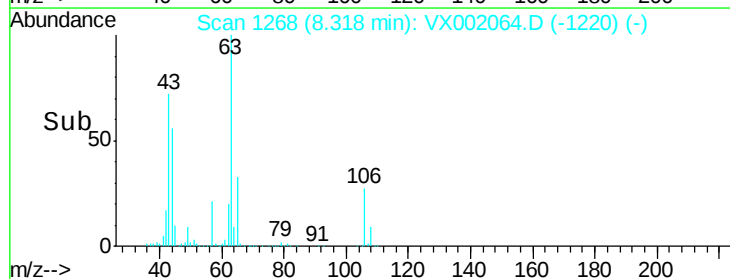
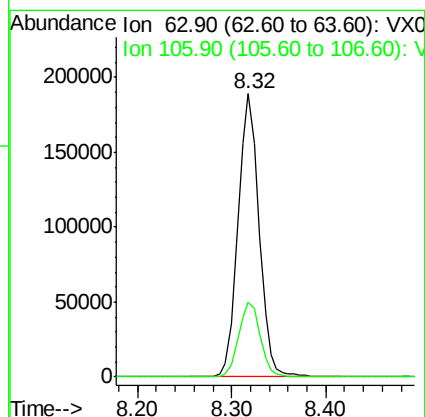
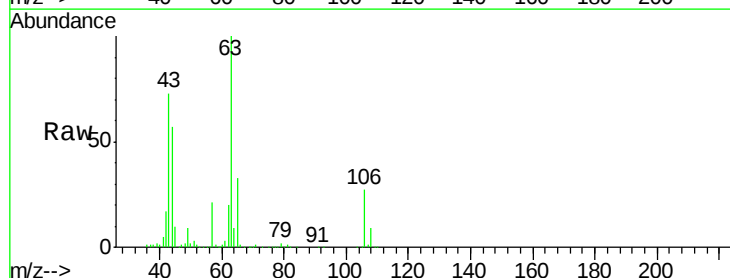
Acq: 27 May 2018 13:19

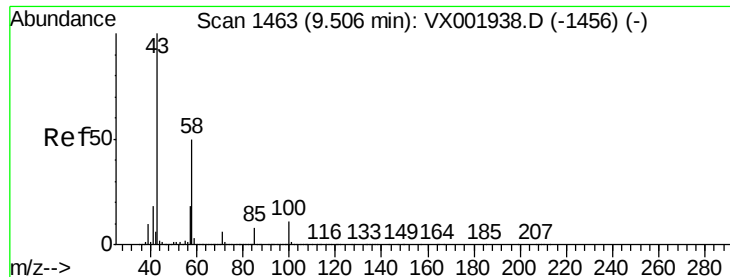
Tgt Ion: 63 Resp: 293669

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5

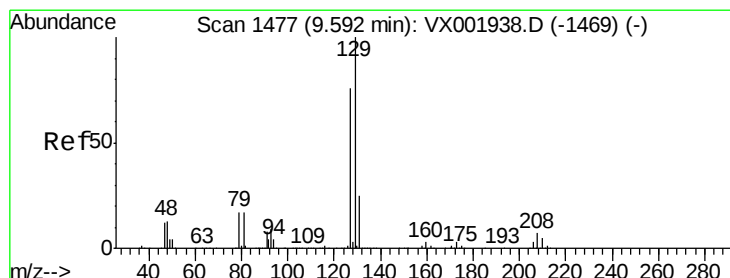
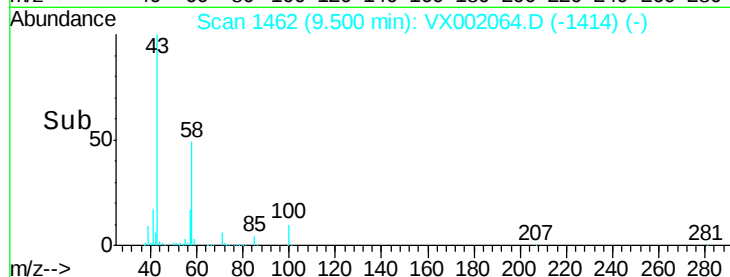
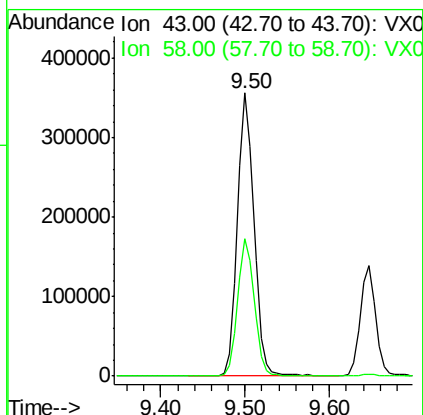
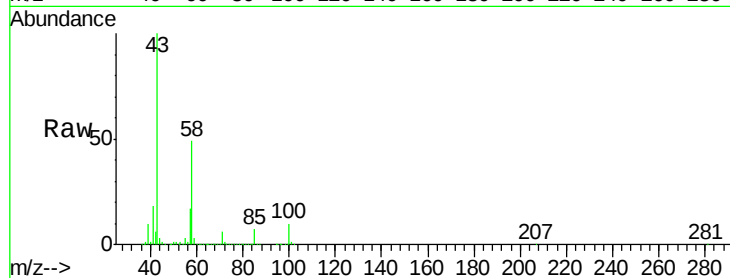




#59
2-Hexanone
Concen: 100.38 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

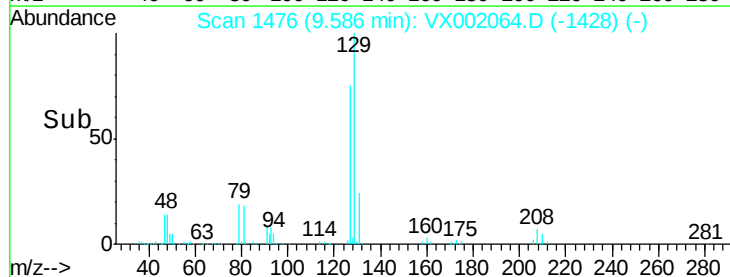
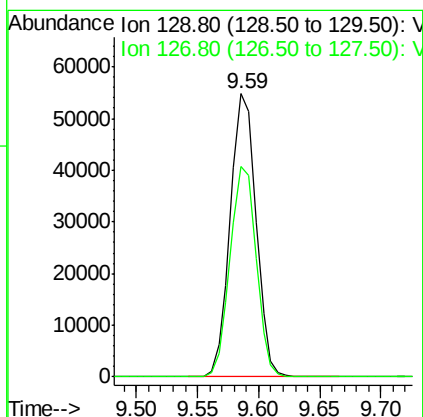
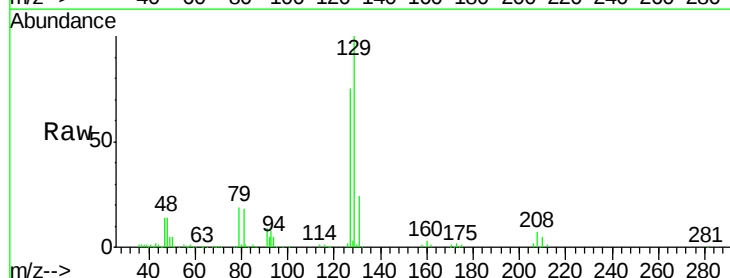
Instrument :
MSVOA_X
ClientSampleId :

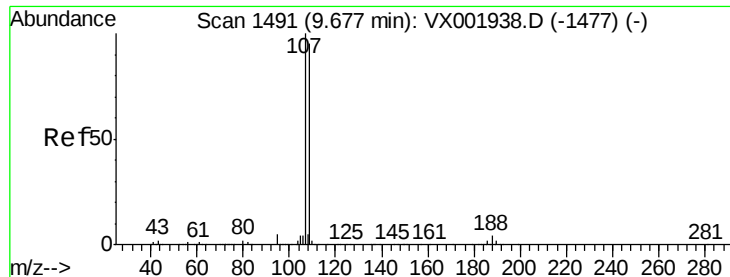
Tot Ion: 43 Resp: 470506
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6



#60
Dibromochloromethane
Concen: 18.67 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 129 Resp: 79939
Ion Ratio Lower Upper
129 100
127 75.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.04 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

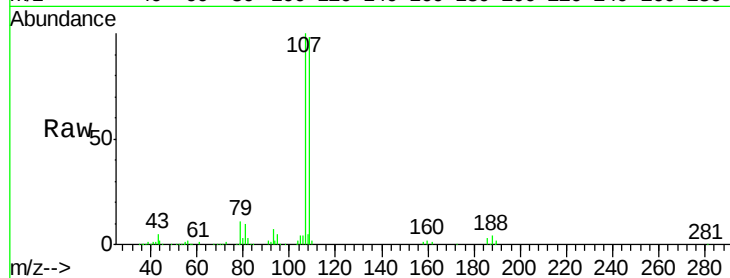
ClientSampleId :

Tot Ion:107 Resp: 76020

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

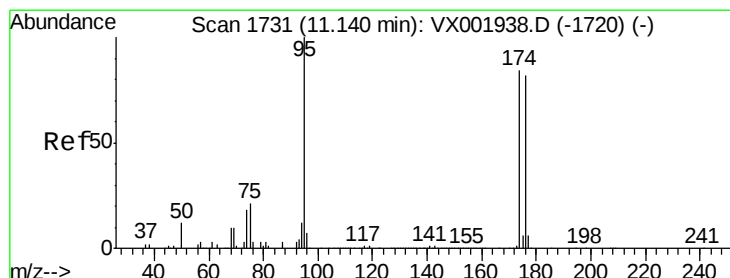
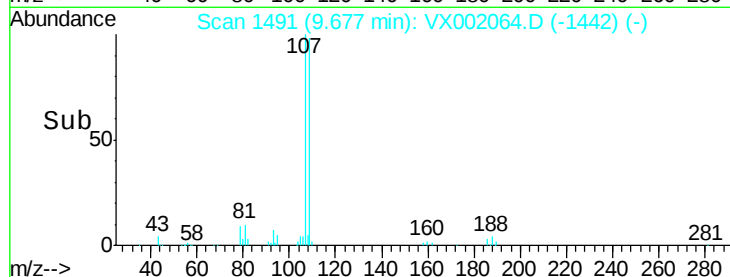
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

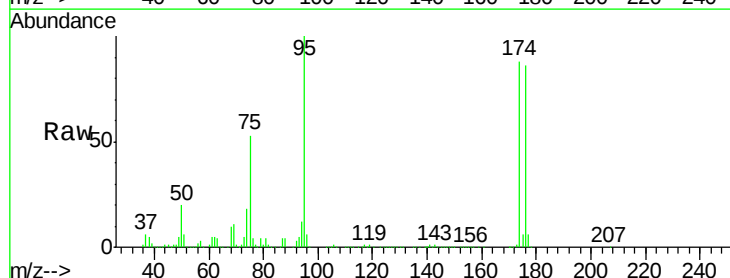
Tgt Ion: 95 Resp: 221996

Ion Ratio Lower Upper

95 100

174 93.5 0.0 178.8

176 90.9 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

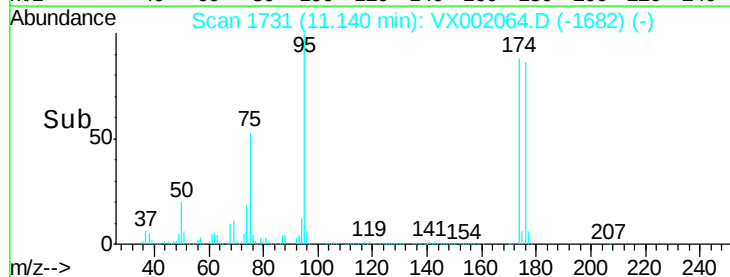
150000

100000

50000

0

Time-->

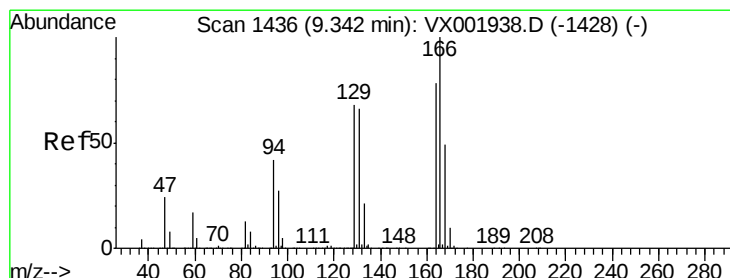
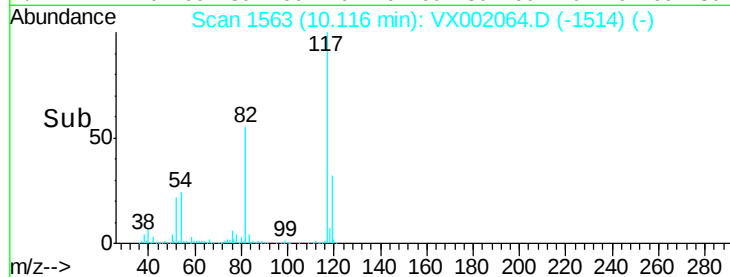
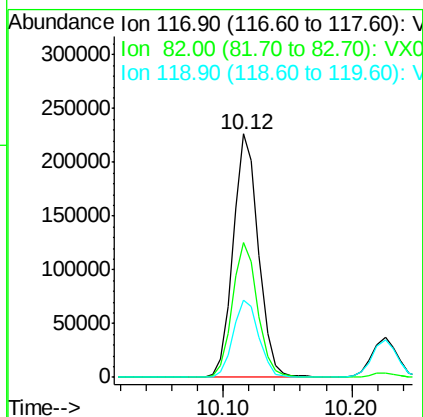
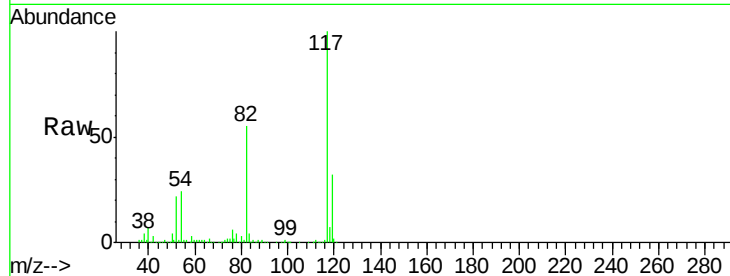




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

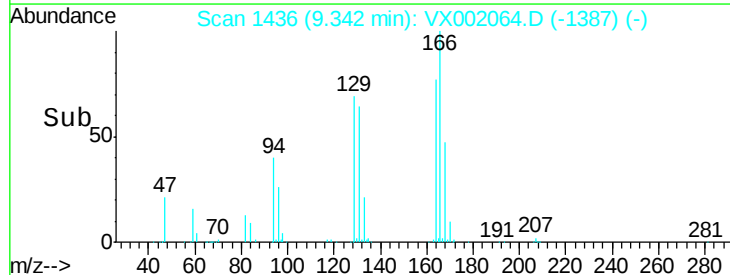
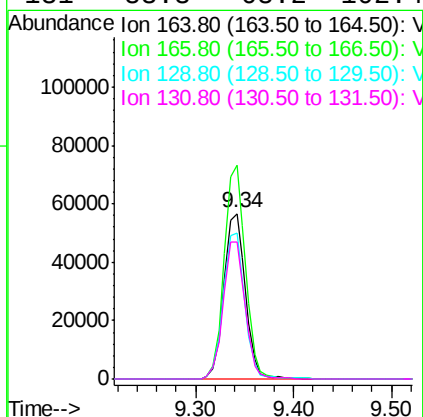
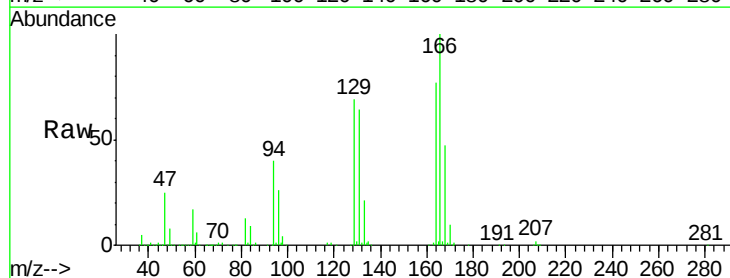
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 311306
Ion Ratio Lower Upper
117 100
82 55.3 44.8 67.2
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 19.38 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion:164 Resp: 86505
Ion Ratio Lower Upper
164 100
166 129.3 102.7 154.1
129 88.7 70.3 105.5
131 83.3 68.2 102.4





#65

Chlorobenzene

Concen: 19.74 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

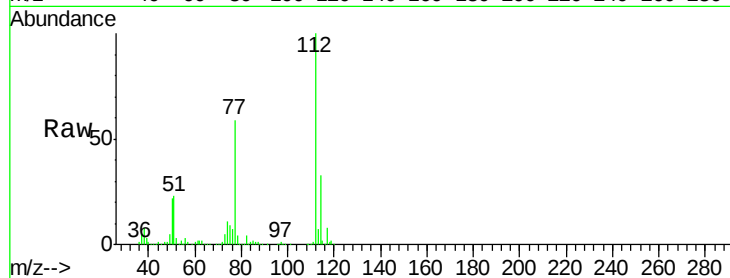
ClientSampleId :

Tot Ion:112 Resp: 194649

Ion Ratio Lower Upper

112 100

114 32.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

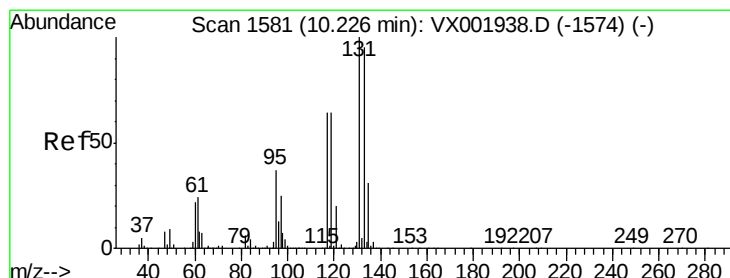
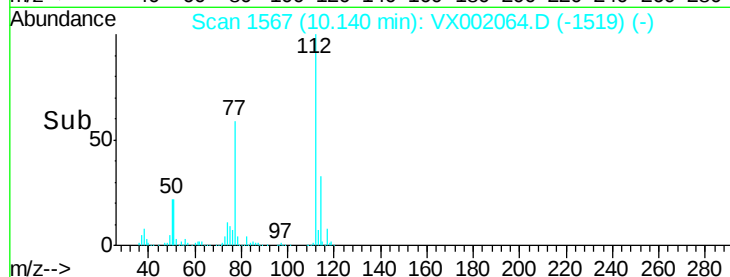
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.84 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

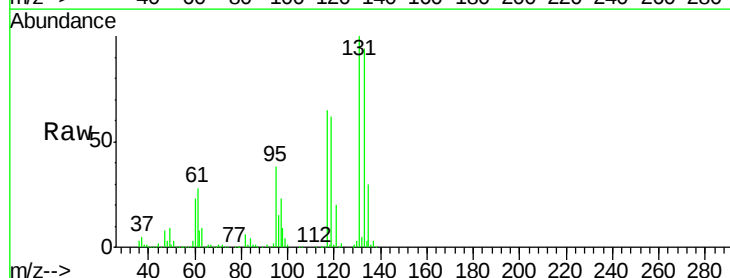
Tgt Ion:131 Resp: 75025

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.0

119 64.3 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

100000

80000

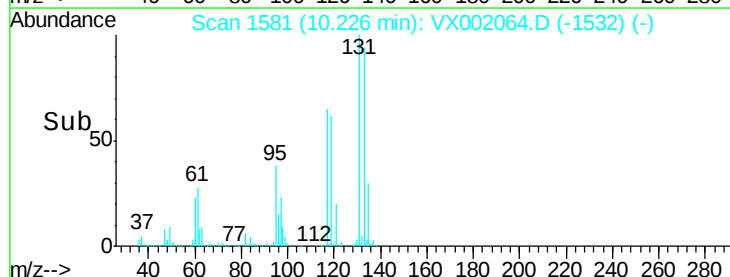
60000

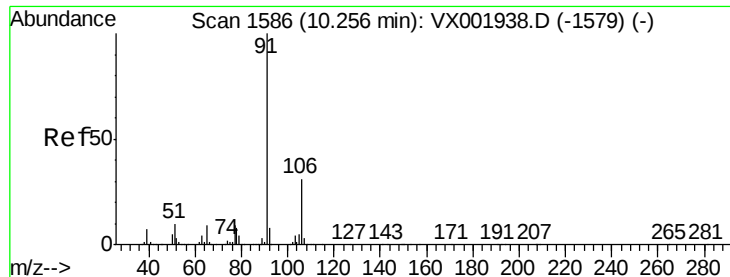
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.31 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

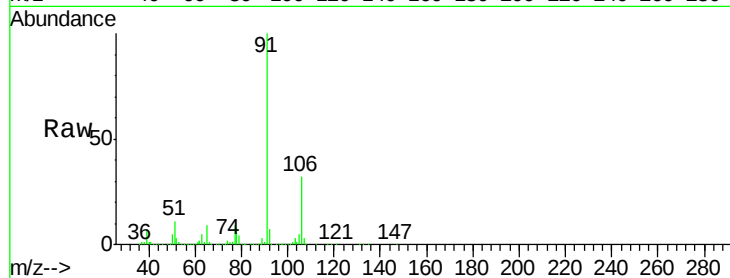
ClientSampled :

Tot Ion: 91 Resp: 330920

Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

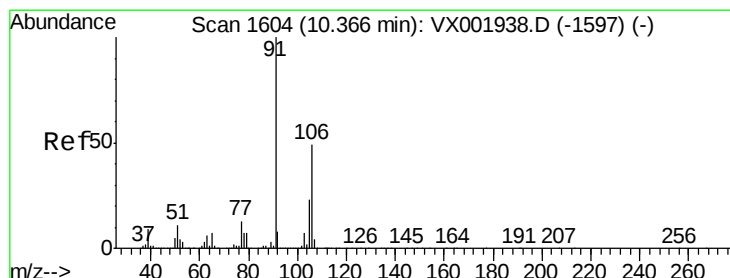
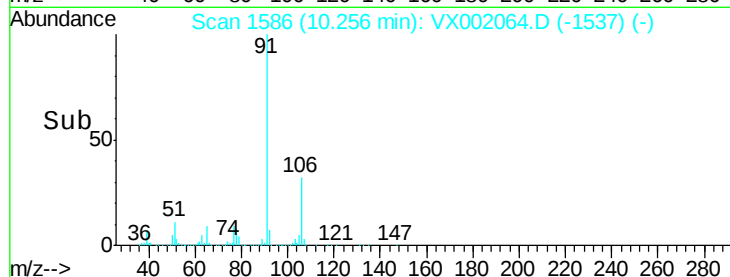
100000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 38.75 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002064.D

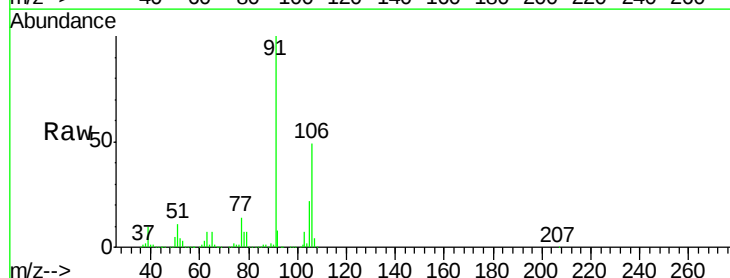
Acq: 27 May 2018 13:19

Tgt Ion:106 Resp: 253864

Ion Ratio Lower Upper

106 100

91 205.9 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

200000

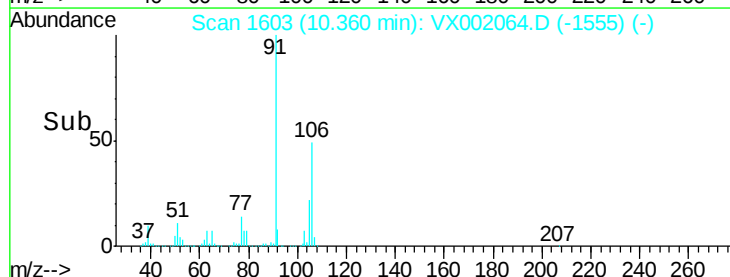
100000

0

10.30

10.40

Time-->

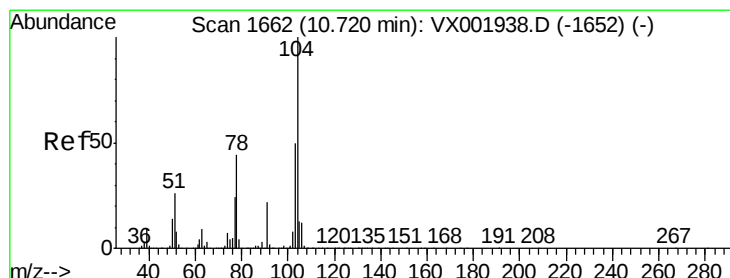
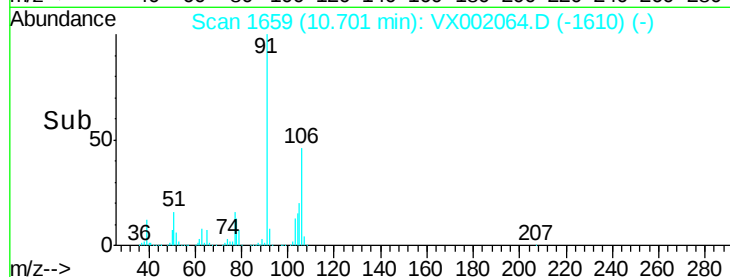
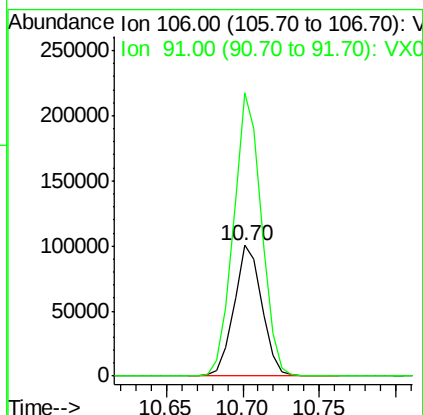
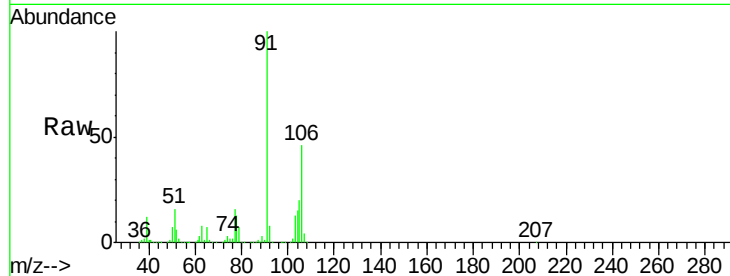




#69
o-Xylene
Concen: 19.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

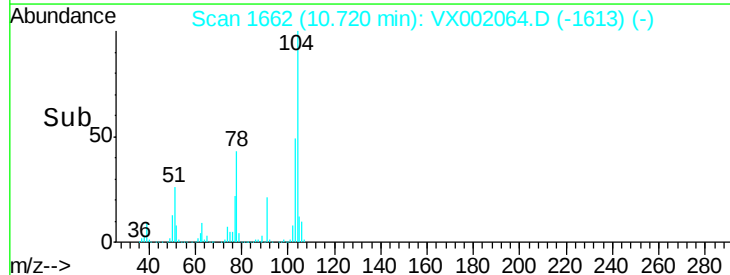
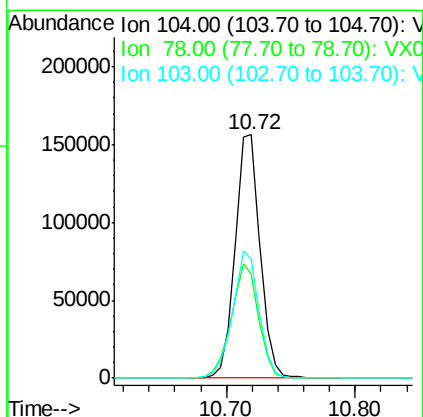
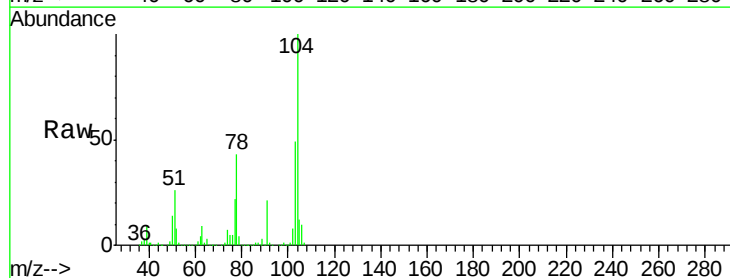
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 126817
Ion Ratio Lower Upper
106 100
91 217.6 108.7 325.9



#70
Styrene
Concen: 19.50 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion:104 Resp: 211544
Ion Ratio Lower Upper
104 100
78 51.2 41.8 62.6
103 55.2 44.6 67.0





#71

Bromoform

Concen: 16.71 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

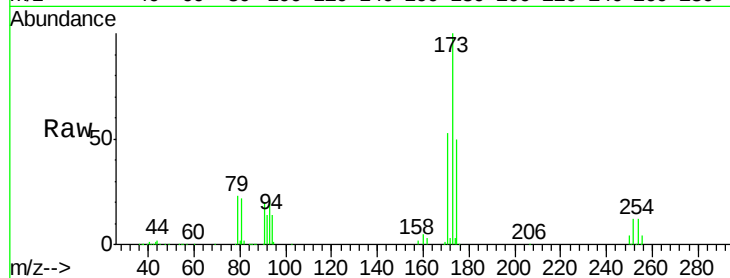
Tot Ion:173 Resp: 63095

Ion Ratio Lower Upper

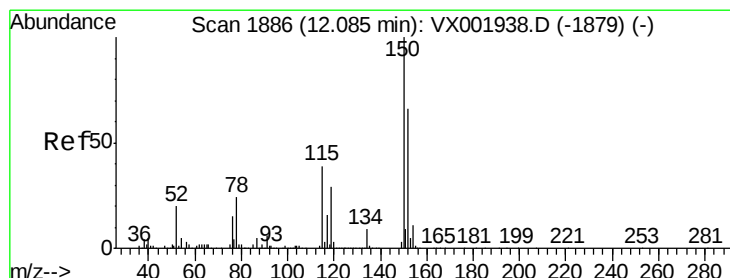
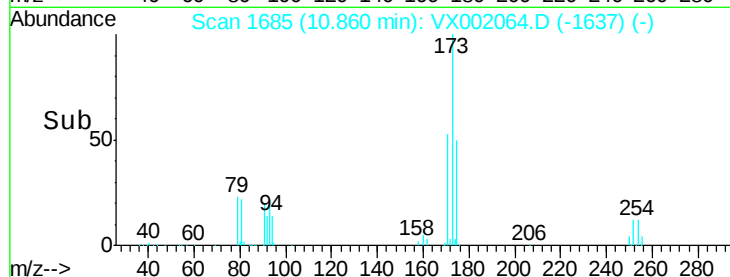
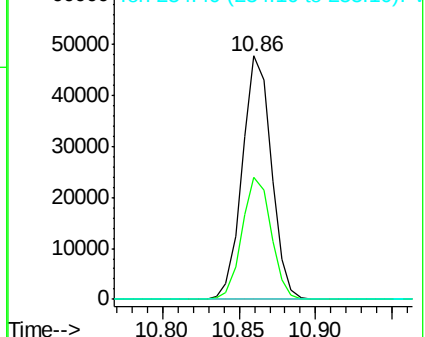
173 100

175 50.1 24.3 72.9

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

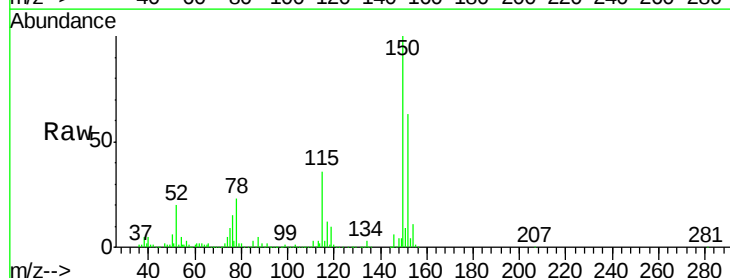
Tgt Ion:152 Resp: 203988

Ion Ratio Lower Upper

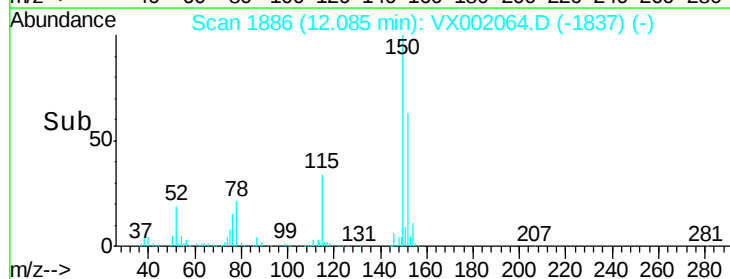
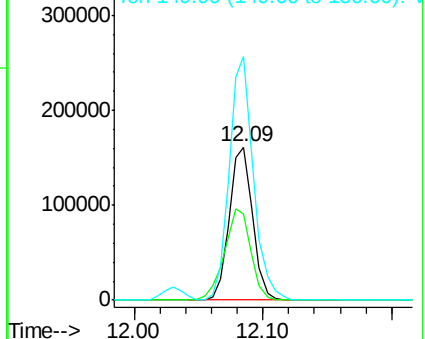
152 100

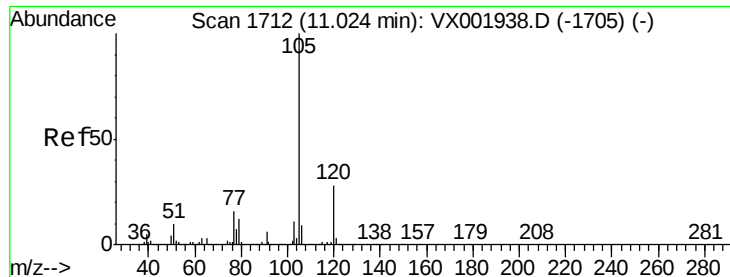
115 67.8 42.3 126.8

150 164.8 0.0 351.0



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: 19.67 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

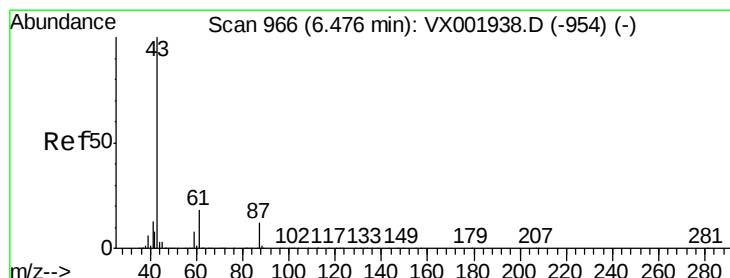
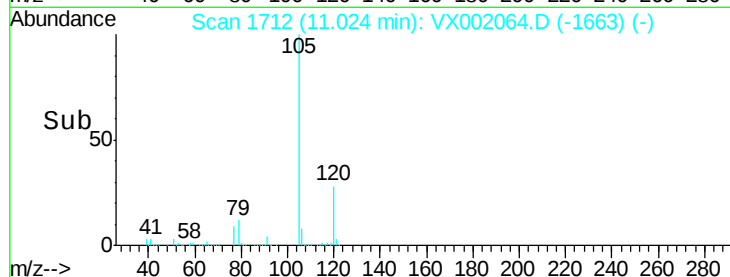
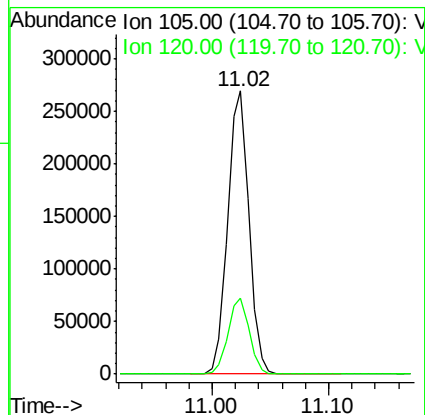
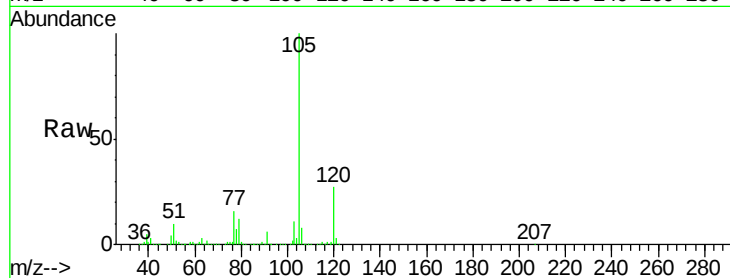
ClientSampleId :

Tot Ion:105 Resp: 339748

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 19.76 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion: 43 Resp: 194144

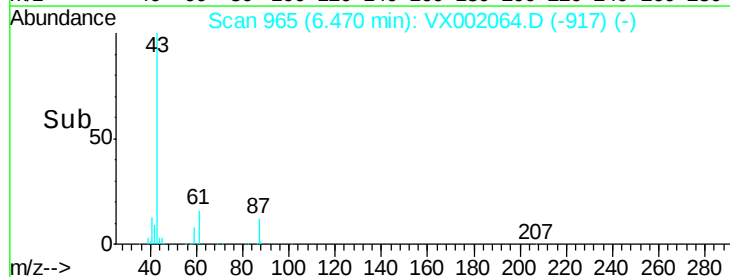
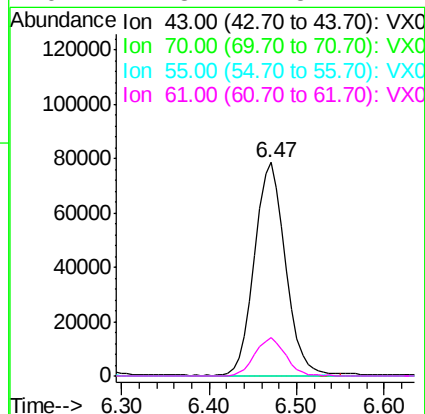
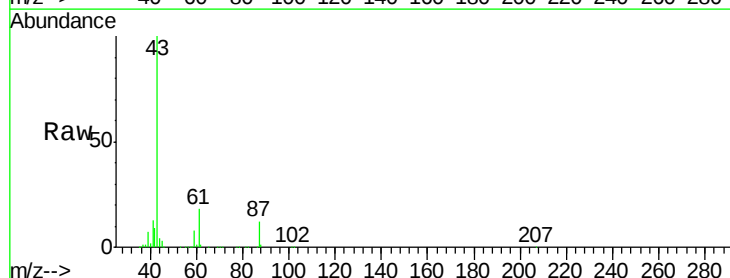
Ion Ratio Lower Upper

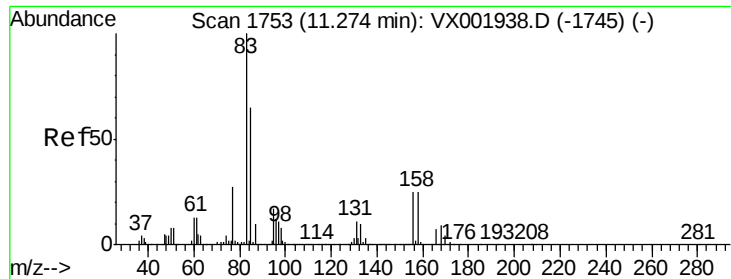
43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 17.8 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.44 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

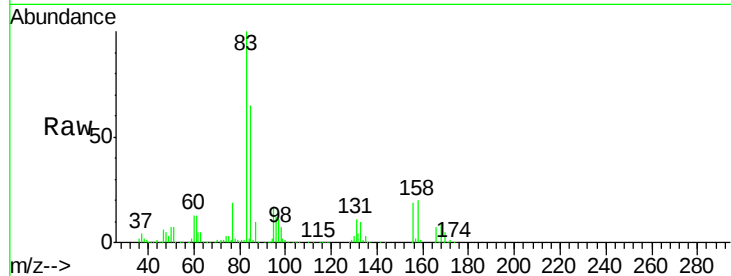
Tot Ion: 83 Resp: 104704

Ion Ratio Lower Upper

83 100

131 10.7 5.7 17.0

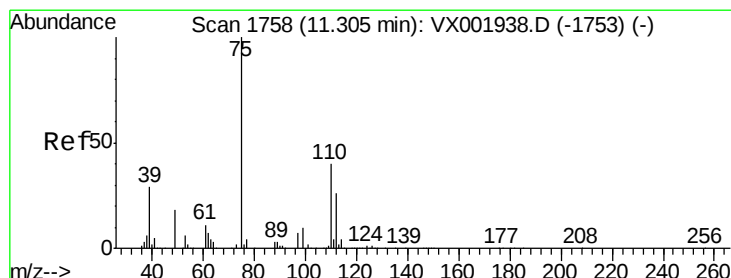
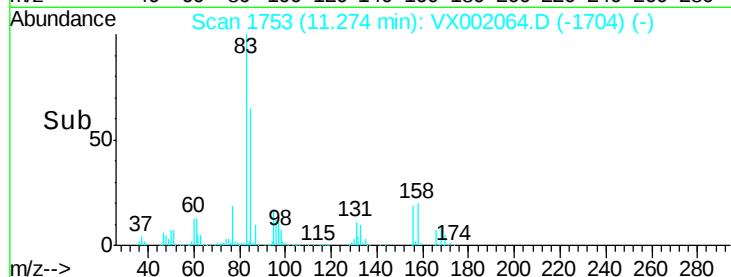
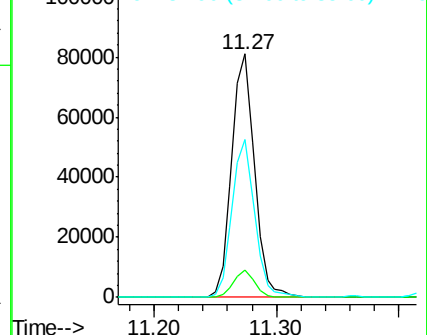
85 64.5 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.55 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002064.D

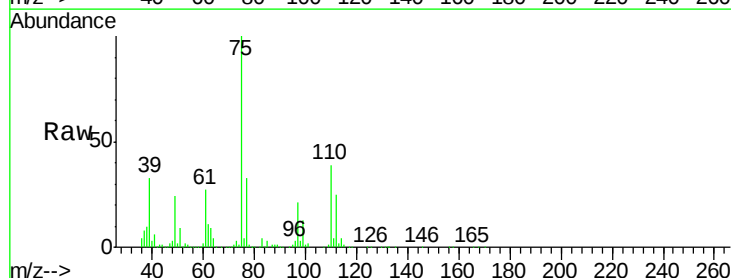
Acq: 27 May 2018 13:19

Tgt Ion: 75 Resp: 95780

Ion Ratio Lower Upper

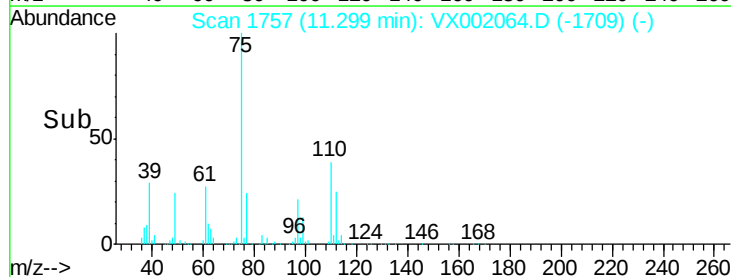
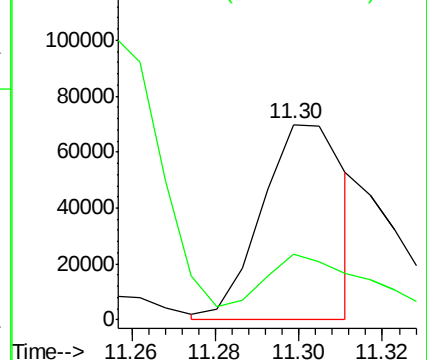
75 100

77 44.6 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.76 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

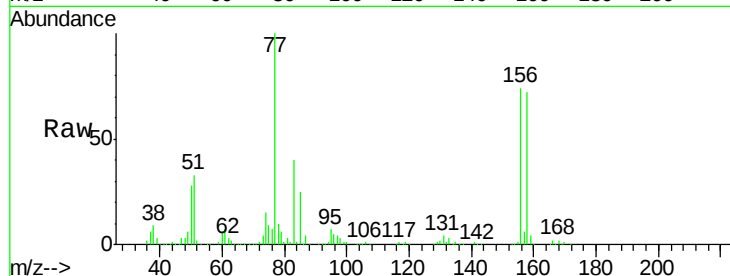
Tot Ion:156 Resp: 90558

Ion Ratio Lower Upper

156 100

77 146.0 75.2 225.6

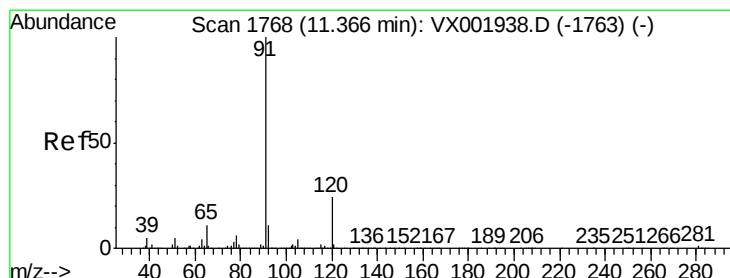
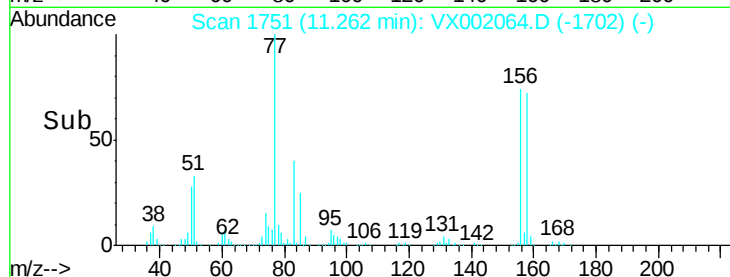
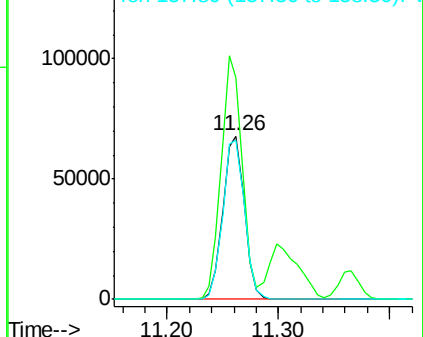
158 99.3 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.56 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002064.D

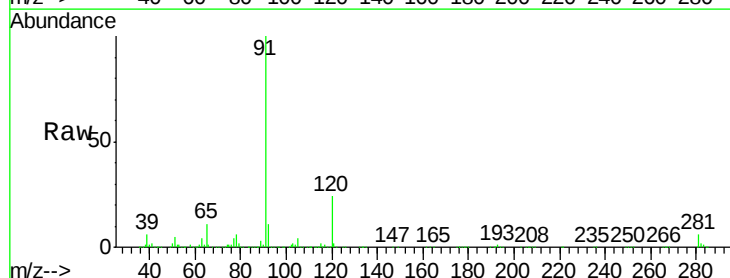
Acq: 27 May 2018 13:19

Tgt Ion: 91 Resp: 378492

Ion Ratio Lower Upper

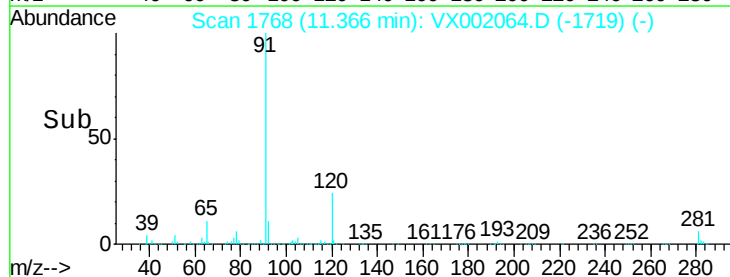
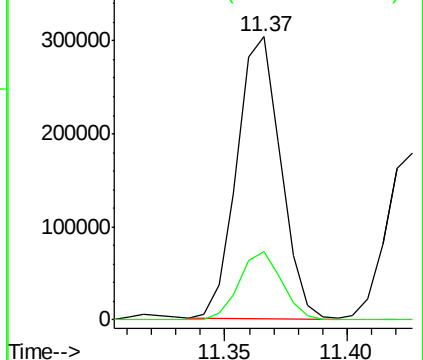
91 100

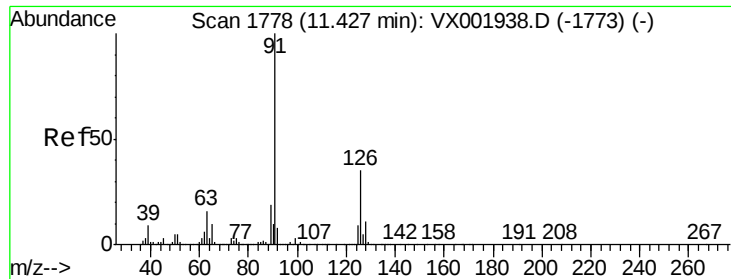
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.44 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

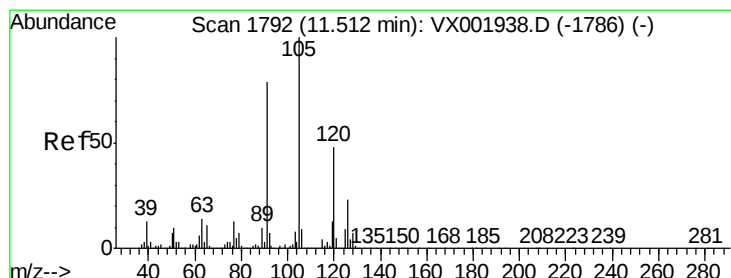
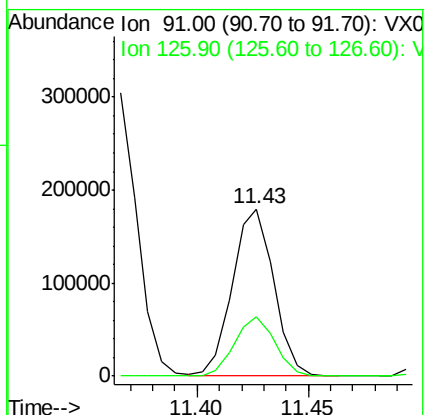
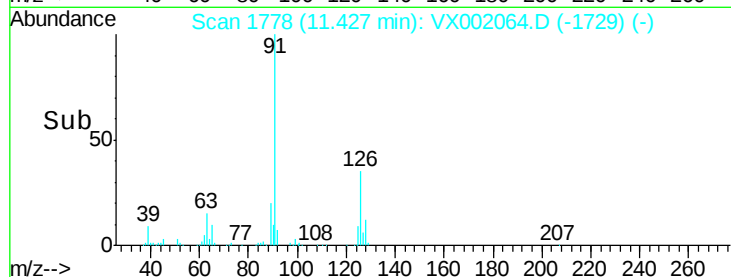
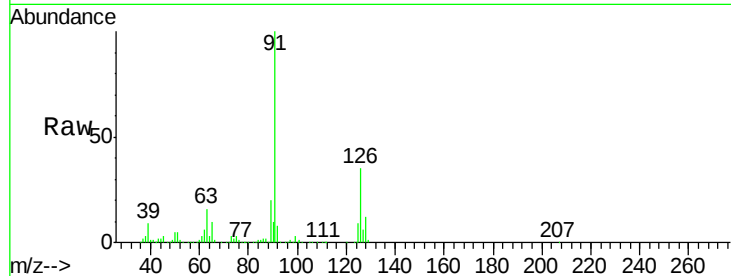
ClientSampleId :

Tot Ion: 91 Resp: 231346

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 19.42 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002064.D

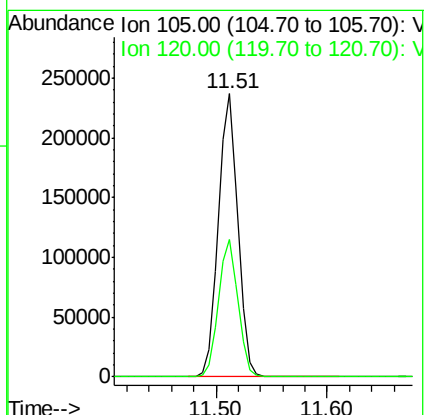
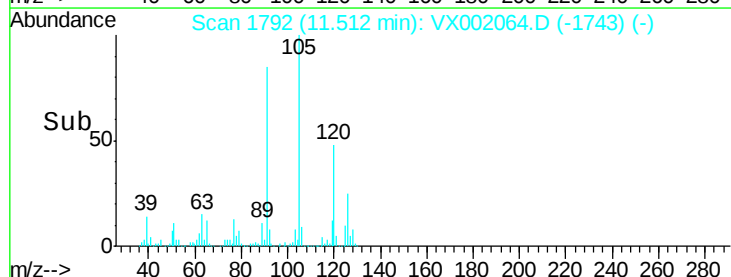
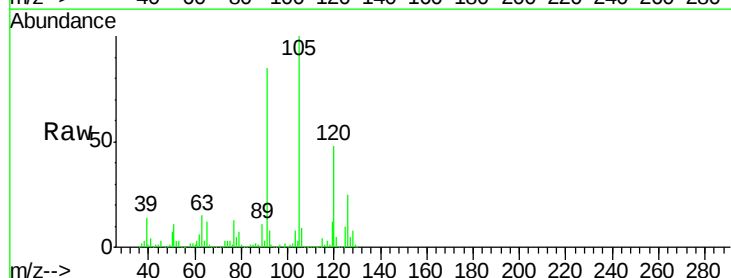
Acq: 27 May 2018 13:19

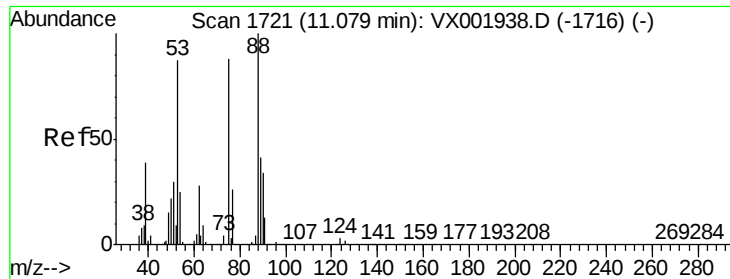
Tgt Ion: 105 Resp: 286713

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4

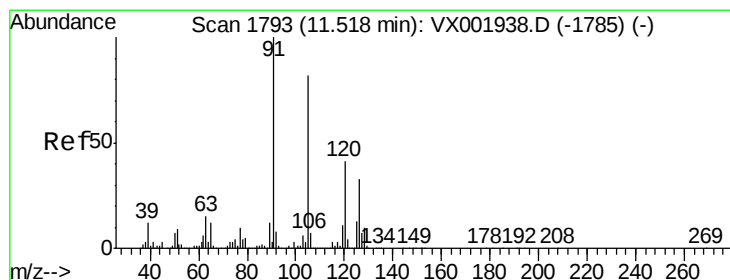
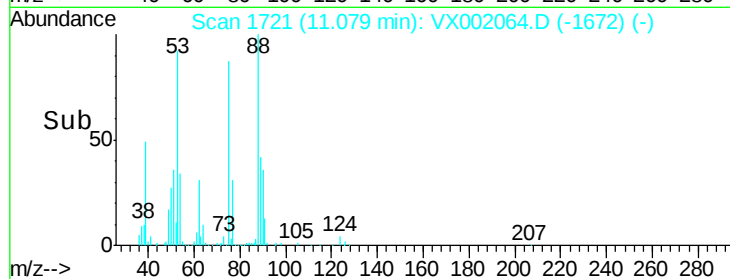
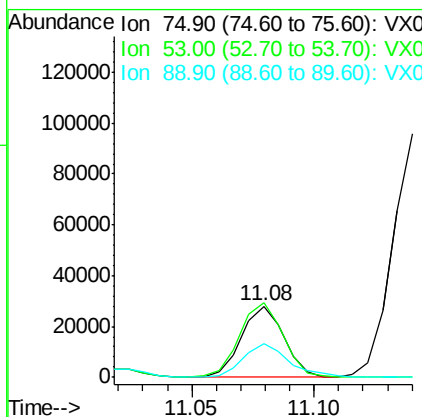
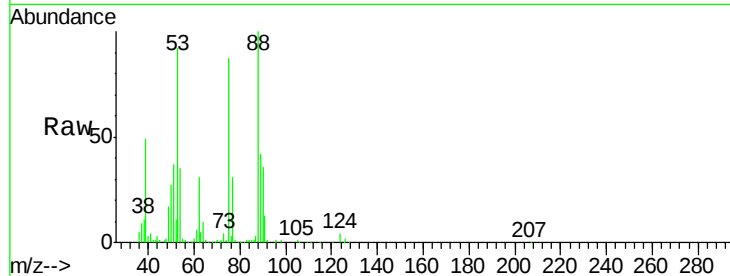




#81
trans-1,4-Dichloro-2-butene
Concen: 16.78 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

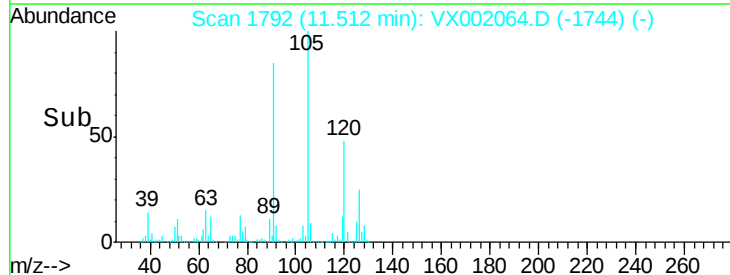
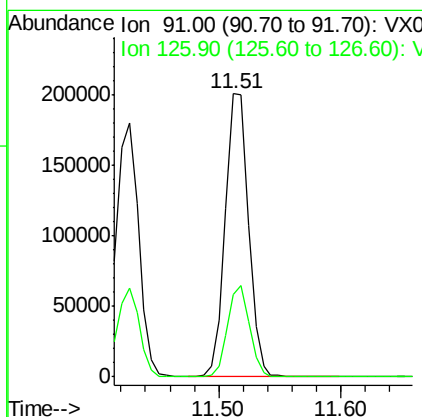
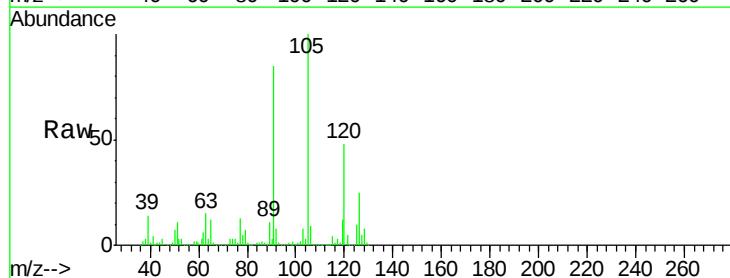
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 34213
Ion Ratio Lower Upper
75 100
53 107.6 78.0 117.0
89 51.4 39.4 59.2



#82
4-Chlorotoluene
Concen: 19.40 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 91 Resp: 264742
Ion Ratio Lower Upper
91 100
126 30.6 15.3 45.8





#83

tert-Butylbenzene

Concen: 19.33 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

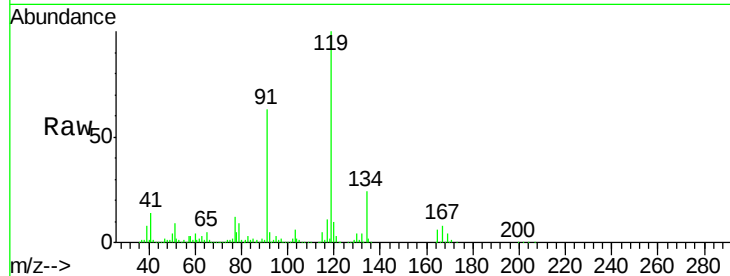
Tot Ion:119 Resp: 280047

Ion Ratio Lower Upper

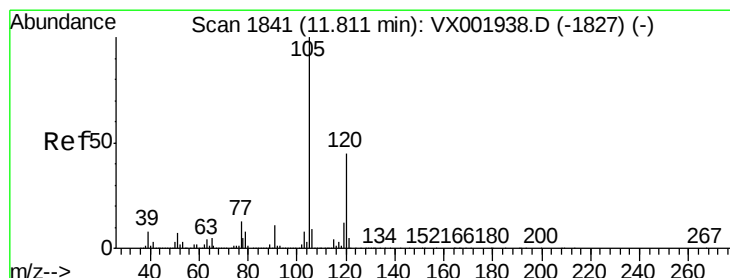
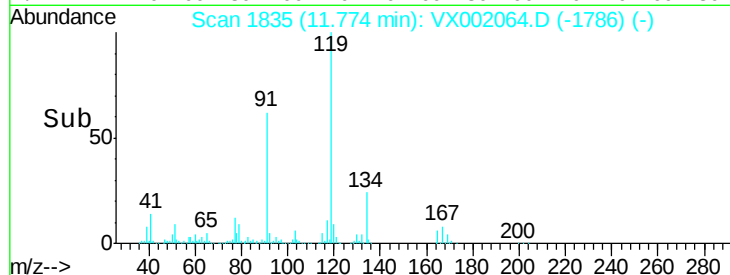
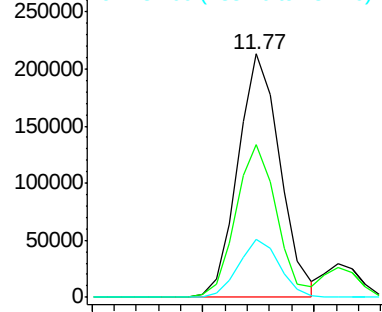
119 100

91 61.1 30.6 91.8

134 23.1 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.28 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002064.D

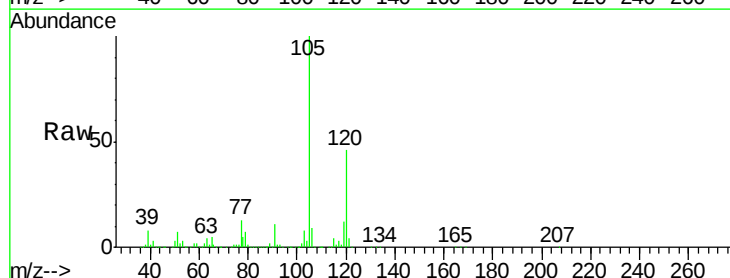
Acq: 27 May 2018 13:19

Tgt Ion:105 Resp: 294064

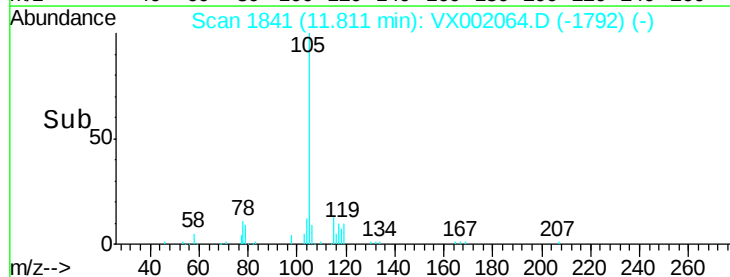
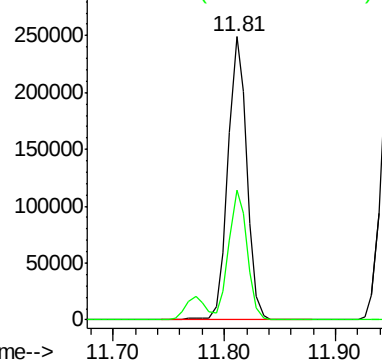
Ion Ratio Lower Upper

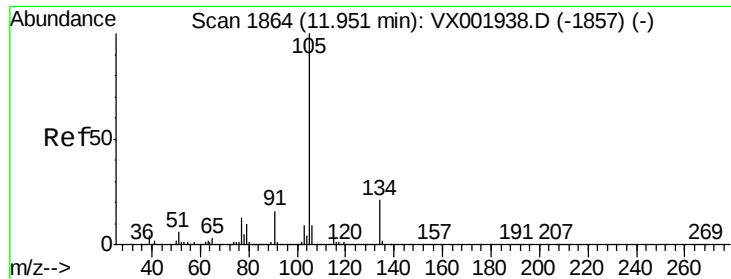
105 100

120 44.7 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 19.29 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

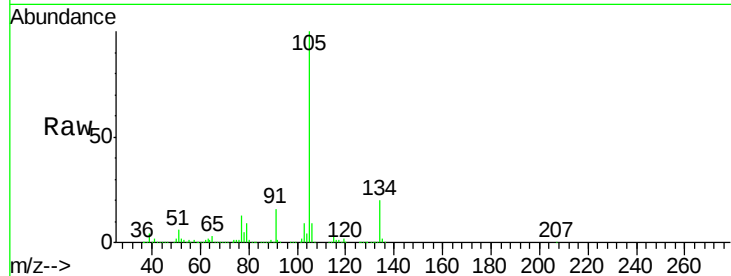
ClientSampleId :

Tot Ion:105 Resp: 335897

Ion Ratio Lower Upper

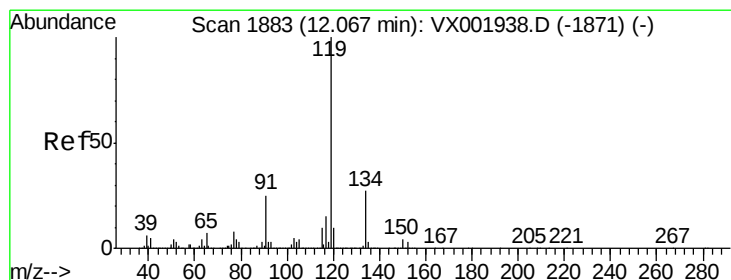
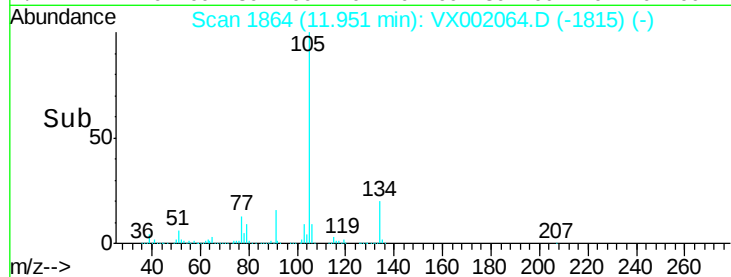
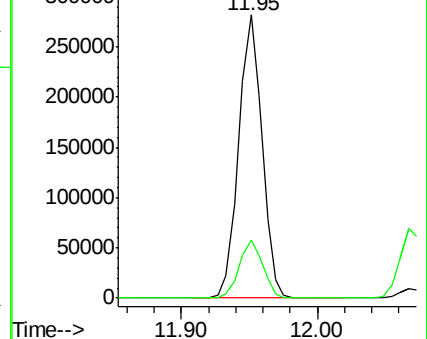
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.31 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

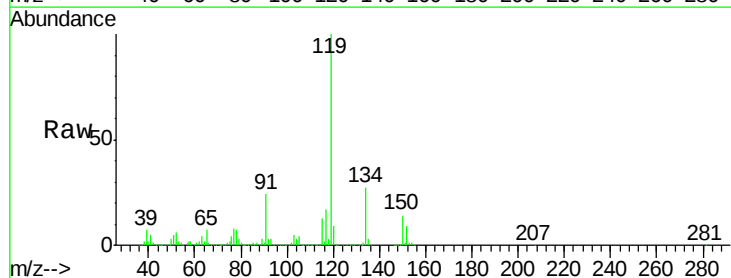
Tgt Ion:119 Resp: 300963

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

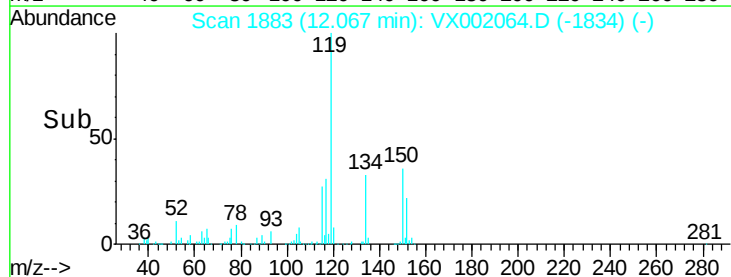
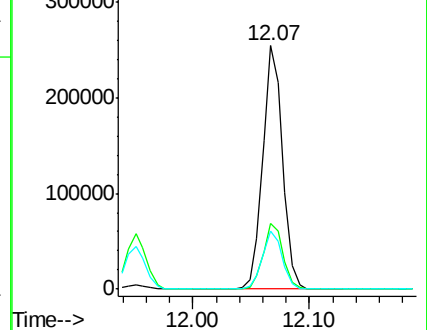
91 24.0 12.2 36.4

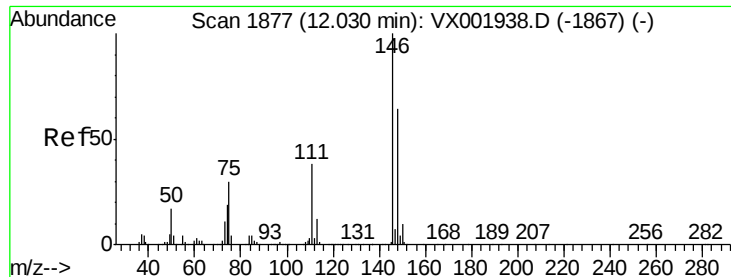


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

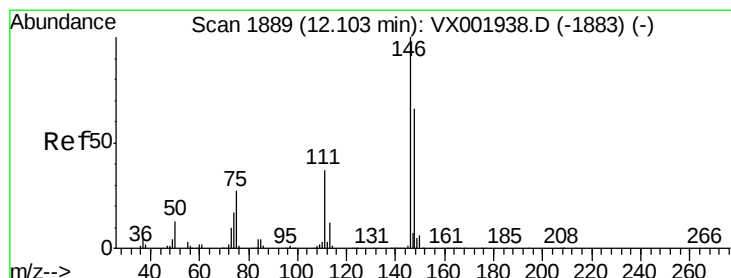
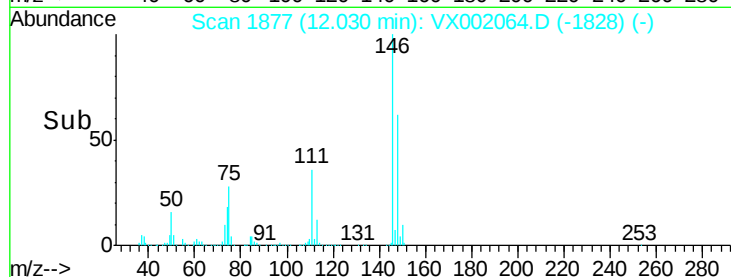
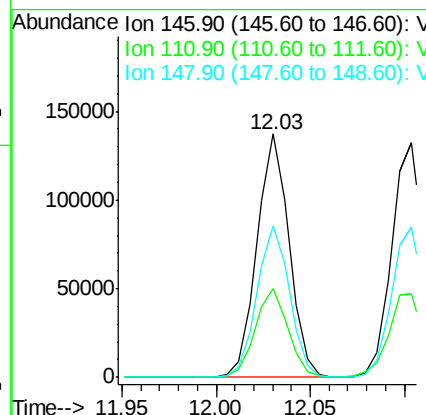
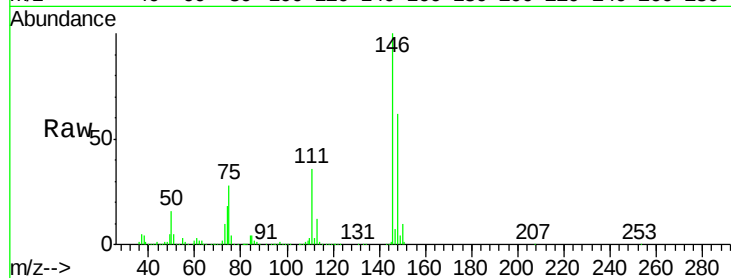




#87
 1,3-Dichlorobenzene
 Concen: 19.77 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

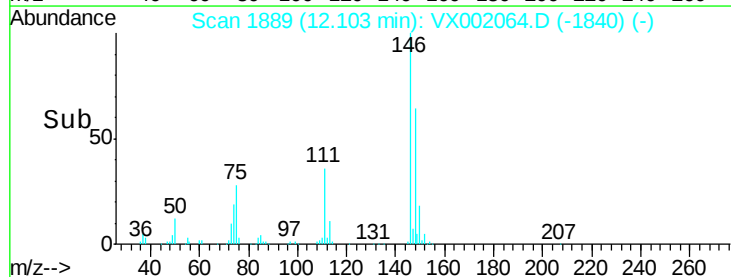
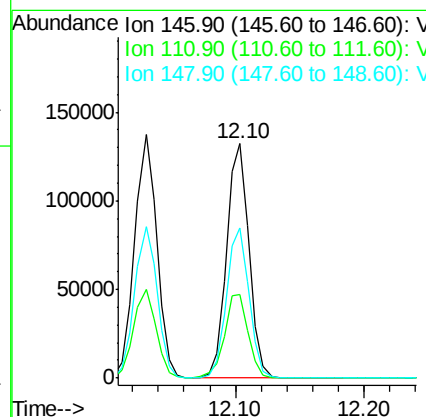
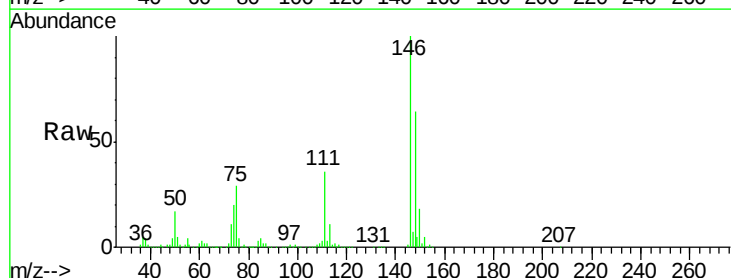
Instrument :
 MSVOA_X
 ClientSampleId :

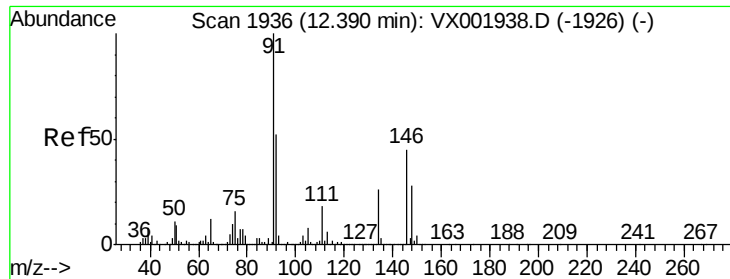
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.3	57.8
148	63.2	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	64.5	32.3	96.8

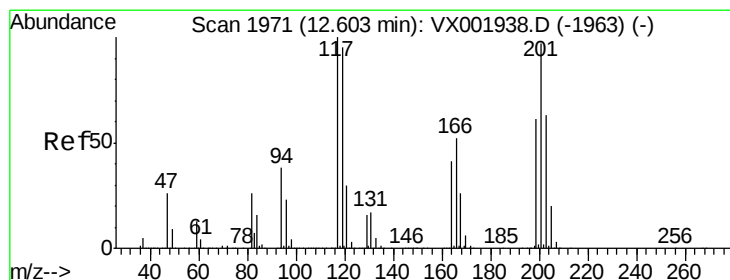
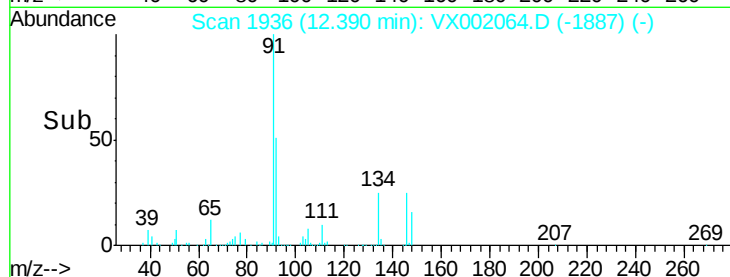
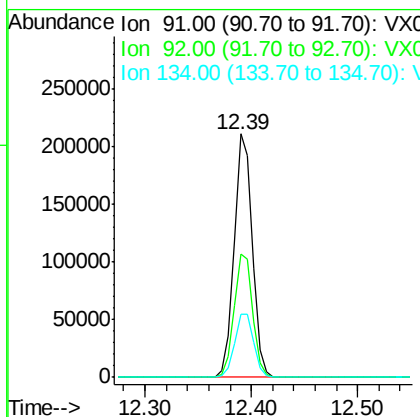
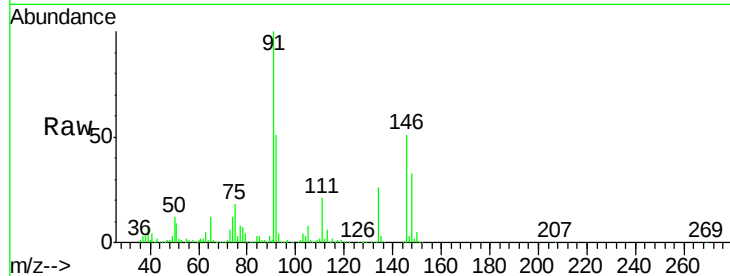




#89
n-Butylbenzene
Concen: 19.15 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

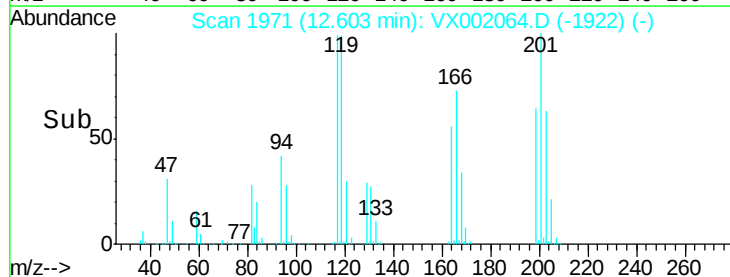
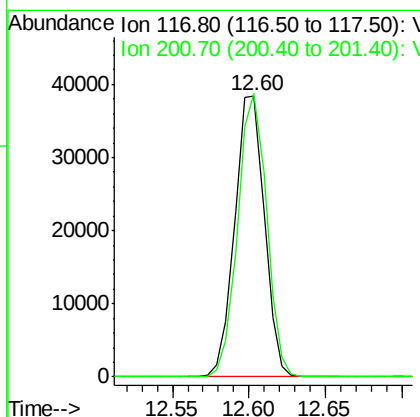
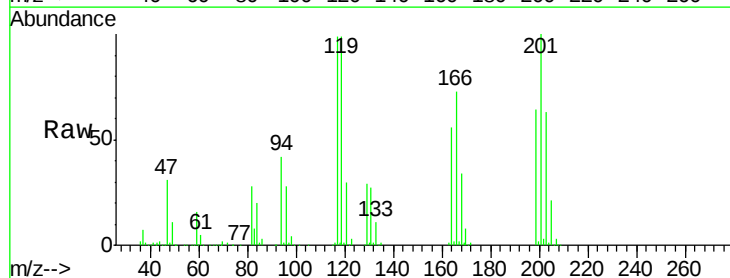
Instrument :
MSVOA_X
ClientSampled :

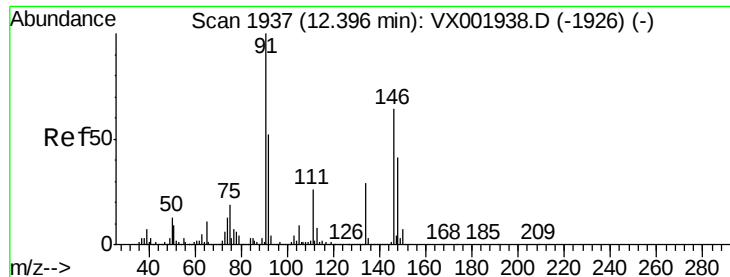
Tot Ion: 91 Resp: 252833
Ion Ratio Lower Upper
91 100
92 51.7 26.3 78.9
134 27.2 13.6 40.7



#90
Hexachloroethane
Concen: 16.88 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 117 Resp: 51897
Ion Ratio Lower Upper
117 100
201 97.6 48.0 144.0





#91

1,2-Dichlorobenzene

Concen: 20.01 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

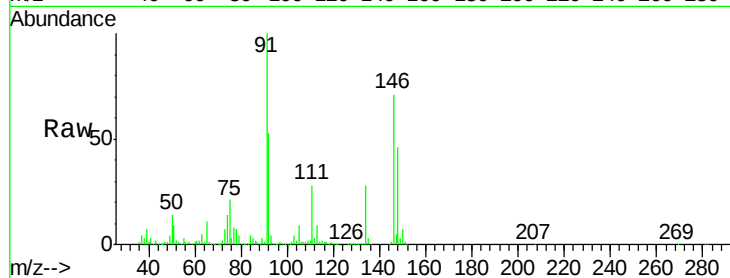
Tot Ion:146 Resp: 167318

Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.3

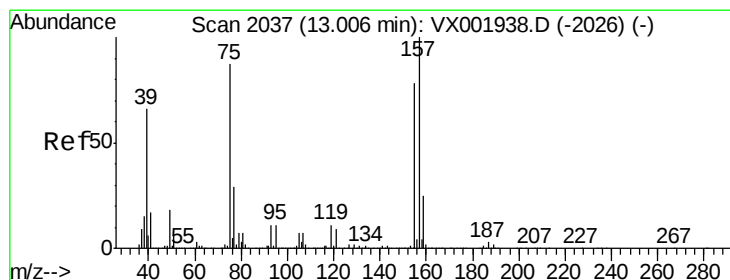
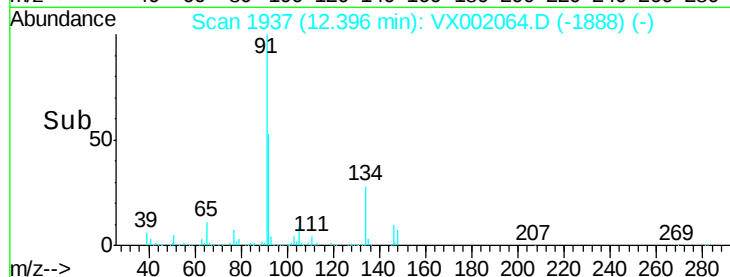
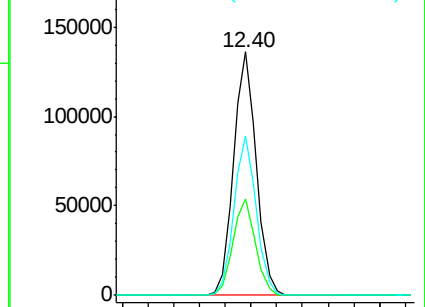
148 64.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.83 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

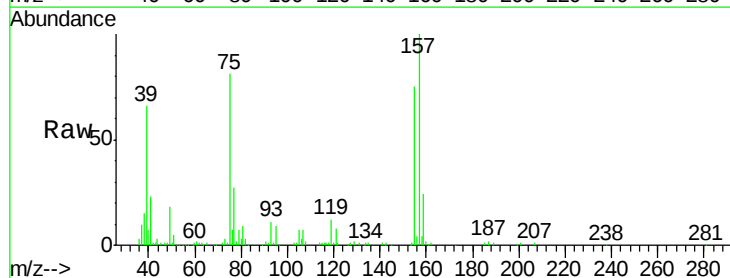
Tgt Ion: 75 Resp: 25847

Ion Ratio Lower Upper

75 100

155 91.2 45.1 135.2

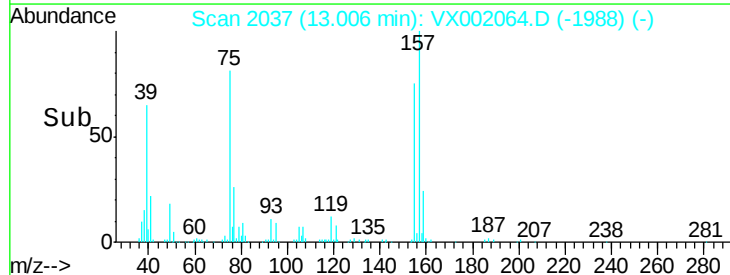
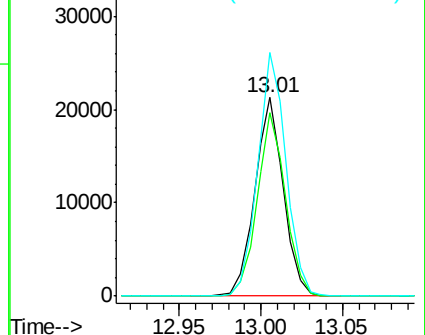
157 121.5 58.1 174.2



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

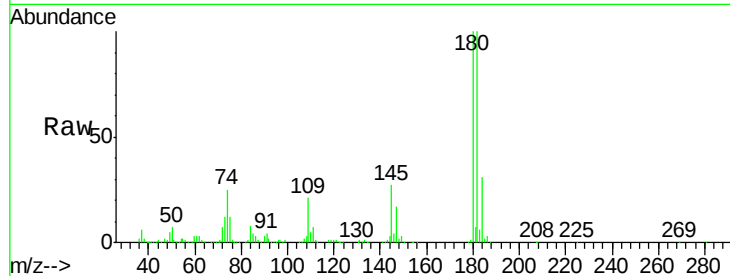




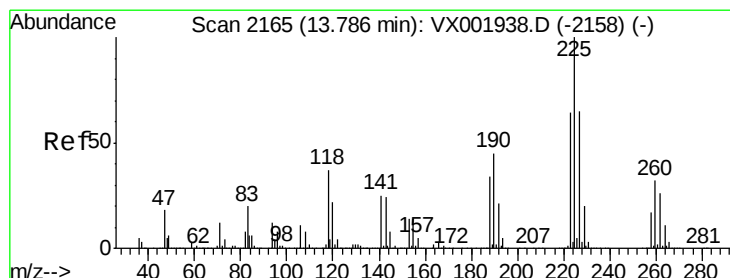
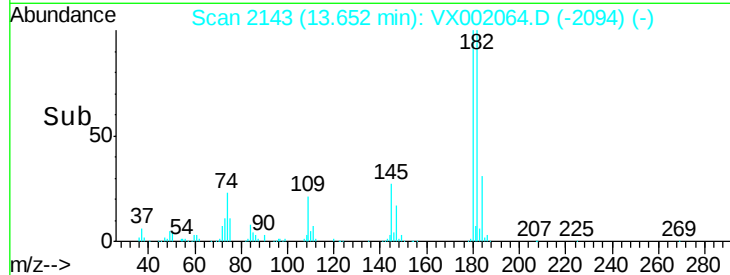
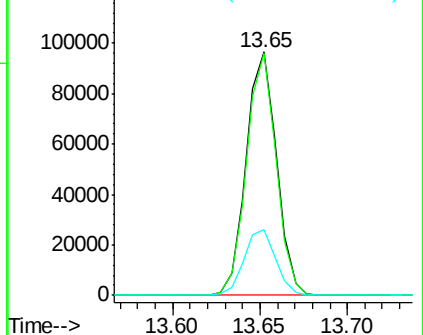
#93
 1,2,4-Trichlorobenzene
 Concen: 19.54 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.7	143.1
145	27.8	14.4	43.0

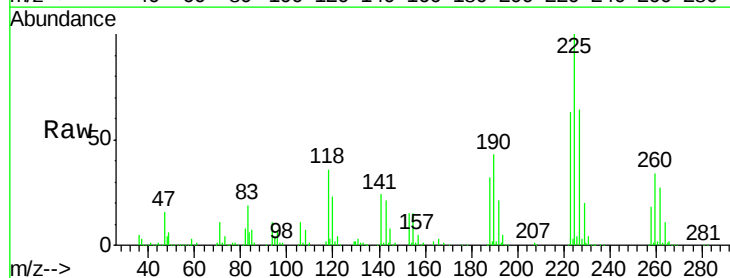


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

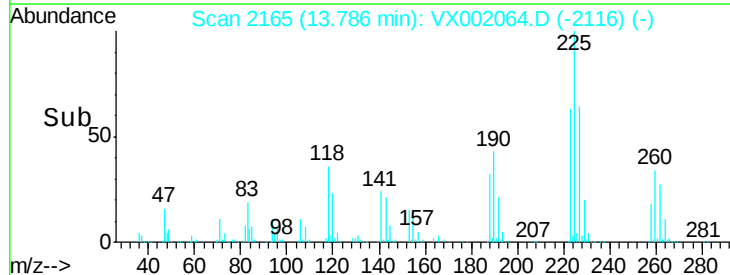
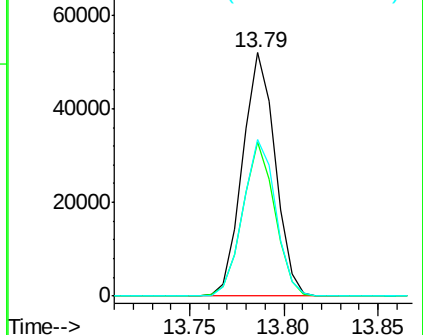


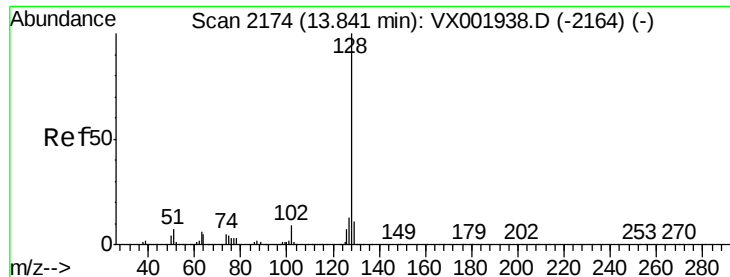
#94
 Hexachlorobutadiene
 Concen: 19.41 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.5
227	64.5	32.1	96.5



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: 19.81 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

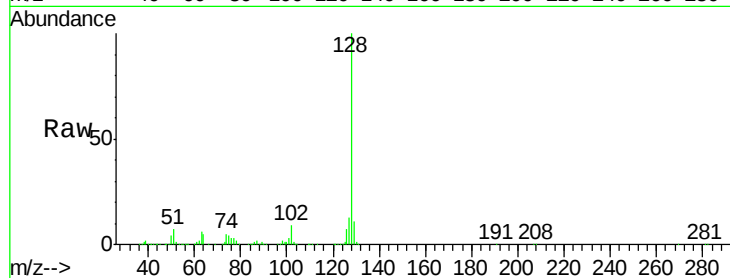
Tot Ion:128 Resp: 364988

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

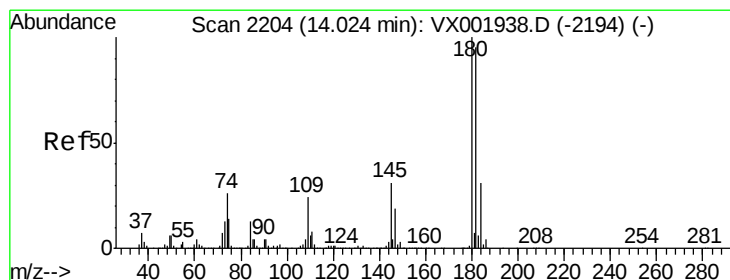
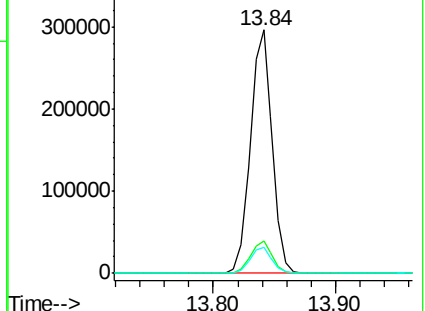
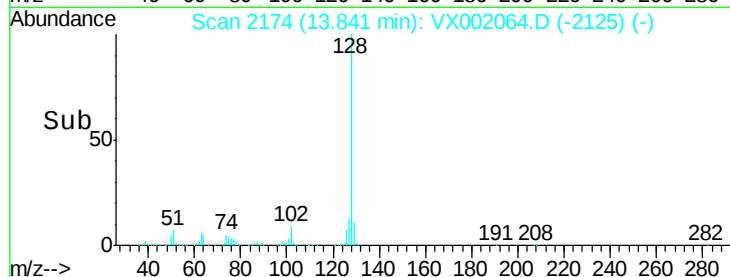
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.66 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

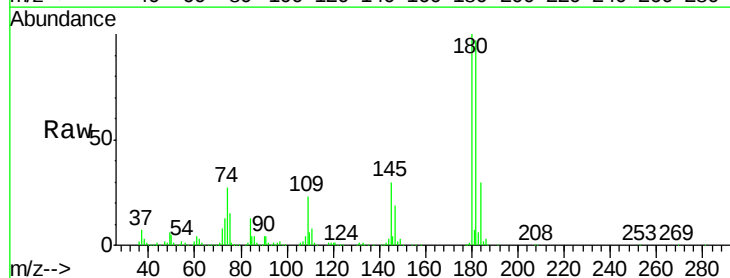
Tgt Ion:180 Resp: 121666

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.6

145 30.1 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

