

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002091.D
 Acq On : 29 May 2018 14:26
 Operator : JC/MD
 Sample : VX0529WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBS01

Quant Time: May 29 14:43:52 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	327620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	443123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	408102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	275805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	252064	43.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.08%	
35) Dibromofluoromethane	5.51	113	194187	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
50) Toluene-d8	8.72	98	731419	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.14	95	286693	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74093	16.72	ug/l	98
3) Chloromethane	1.32	50	101987	20.23	ug/l	98
4) Vinyl Chloride	1.40	62	95450	19.61	ug/l	100
5) Bromomethane	1.64	94	51348	22.39	ug/l	97
6) Chloroethane	1.73	64	59786	20.84	ug/l	100
7) Trichlorofluoromethane	1.93	101	154828	21.18	ug/l	99
8) Diethyl Ether	2.19	74	56117	21.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	90467	22.18	ug/l	96
10) Methyl Iodide	2.51	142	101222	18.34	ug/l	99
11) Tert butyl alcohol	3.07	59	114601	99.69	ug/l	97
12) 1,1-Dichloroethene	2.37	96	77813	20.38	ug/l	96
13) Acrolein	2.29	56	41933	84.37	ug/l	99
14) Allyl chloride	2.73	41	170181	21.23	ug/l	98
15) Acrylonitrile	3.15	53	241287	102.07	ug/l	99
16) Acetone	2.45	43	237697	105.17	ug/l	99
17) Carbon Disulfide	2.57	76	221149	20.12	ug/l	99
18) Methyl Acetate	2.78	43	119824	21.36	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	296236	20.63	ug/l	99
20) Methylene Chloride	2.86	84	89404	21.91	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	84778	21.92	ug/l	97
22) Diisopropyl ether	3.87	45	307766	18.88	ug/l	97
23) Vinyl Acetate	3.82	43	1398894	103.48	ug/l	99
24) 1,1-Dichloroethane	3.70	63	165043	21.31	ug/l	99
25) 2-Butanone	4.71	43	354689	85.63	ug/l	99
26) 2,2-Dichloropropane	4.59	77	139955	17.85	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	91163	18.31	ug/l	92
28) Bromochloromethane	5.03	49	87204	25.81	ug/l	99
29) Tetrahydrofuran	5.17	42	230387	85.48	ug/l	100
30) Chloroform	5.22	83	156922	17.98	ug/l	97
31) Cyclohexane	5.58	56	152687	18.92	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	143719	17.67	ug/l	99
36) 1,1-Dichloropropene	5.80	75	119733	19.43	ug/l	99
37) Ethyl Acetate	4.86	43	140576	17.49	ug/l	100
38) Carbon Tetrachloride	5.78	117	132305	18.41	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBS01

Quant Time: May 29 14:43:52 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)
39) Methylcyclohexane	7.46	83	155378	20.52	ug/l	98
40) Benzene	6.15	78	349995	19.38	ug/l	100
41) Methacrylonitrile	5.07	41	80507	18.12	ug/l	99
42) 1,2-Dichloroethane	6.20	62	133569	18.52	ug/l	100
43) Isopropyl Acetate	6.47	43	240883	17.99	ug/l	100
44) Trichloroethene	7.21	130	102122	19.41	ug/l	100
45) 1,2-Dichloropropane	7.52	63	93658	19.10	ug/l	99
46) Dibromomethane	7.66	93	61267	18.87	ug/l	99
47) Bromodichloromethane	7.90	83	121005	17.48	ug/l	100
48) Methyl methacrylate	7.78	41	123790	18.17	ug/l	98
49) 1,4-Dioxane	7.76	88	42462	353.60	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	744853	92.29	ug/l	99
52) Toluene	8.79	92	225462	19.62	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	147821	18.54	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	142404	18.33	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	90456	18.84	ug/l	100
56) Ethyl methacrylate	9.18	69	147873	17.91	ug/l	99
57) 1,3-Dichloropropane	9.38	76	152729	19.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	367938	100.53	ug/l	100
59) 2-Hexanone	9.50	43	578040	92.88	ug/l	100
60) Dibromochloromethane	9.59	129	98753	17.37	ug/l	99
61) 1,2-Dibromoethane	9.68	107	95966	19.05	ug/l	99
64) Tetrachloroethene	9.34	164	119426	20.41	ug/l	97
65) Chlorobenzene	10.14	112	252945	19.56	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	94132	18.03	ug/l	99
67) Ethyl Benzene	10.26	91	445879	19.85	ug/l	100
68) m/p-Xylenes	10.37	106	345125	40.19	ug/l	100
69) o-Xylene	10.70	106	169277	19.74	ug/l	99
70) Styrene	10.72	104	272917	19.19	ug/l	99
71) Bromoform	10.86	173	78579	15.87	ug/l	99
73) Isopropylbenzene	11.02	105	459712	19.68	ug/l	100
74) N-amyl acetate	6.47	43	240883	17.85	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	127451	19.17	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	167984	25.36	ug/l	80
77) Bromobenzene	11.26	156	119839	19.34	ug/l	97
78) n-propylbenzene	11.37	91	526716	20.14	ug/l	100
79) 2-Chlorotoluene	11.43	91	309789	20.22	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	390555	19.57	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	44685	16.21	ug/l	91
82) 4-Chlorotoluene	11.51	91	364917	19.78	ug/l	99
83) tert-Butylbenzene	11.77	119	379079	19.35	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	399571	19.37	ug/l	100
85) sec-Butylbenzene	11.95	105	474828	20.17	ug/l	99
86) p-Isopropyltoluene	12.07	119	427867	20.31	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	217549	19.60	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	219975	19.83	ug/l	100
89) n-Butylbenzene	12.39	91	371976	20.84	ug/l	100
90) Hexachloroethane	12.60	117	71400	17.18	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	217710	19.25	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	32851	15.82	ug/l	100

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

Quant Time: May 29 14:43:52 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)
93) 1,2,4-Trichlorobenzene	13.65	180	161963	20.03	ug/l	100
94) Hexachlorobutadiene	13.79	225	89011	20.47	ug/l	100
95) Naphthalene	13.84	128	472305	18.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	163981	19.60	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

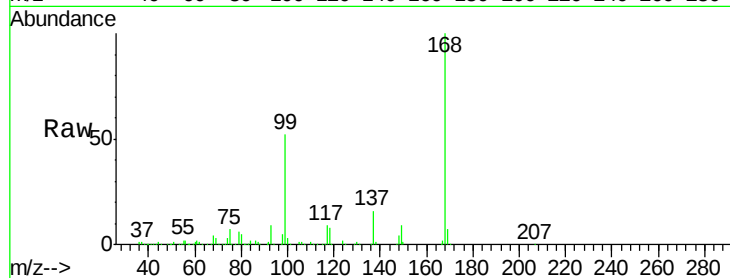
VX0529WBS01

Tot Ion:168 Resp: 327620

Ion Ratio Lower Upper

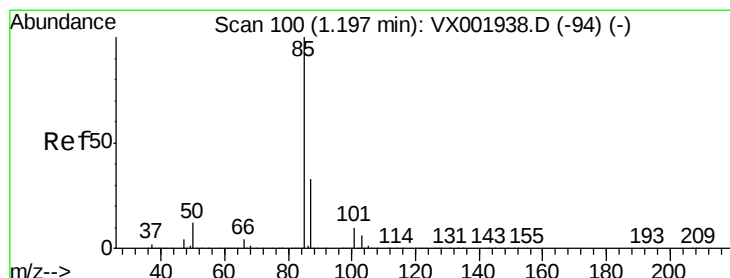
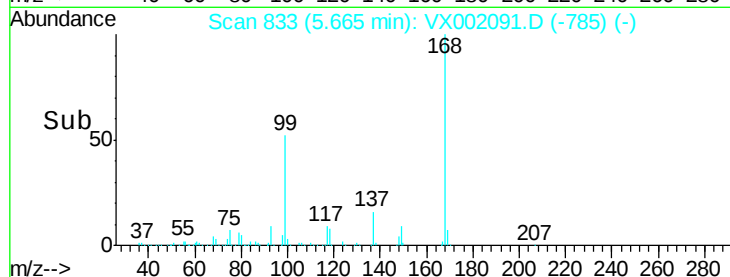
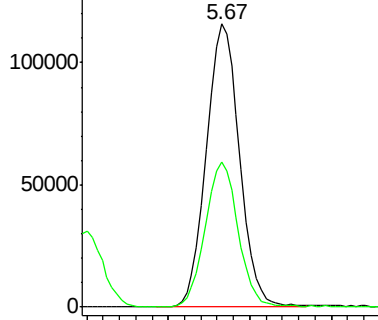
168 100

99 51.4 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: 16.72 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002091.D

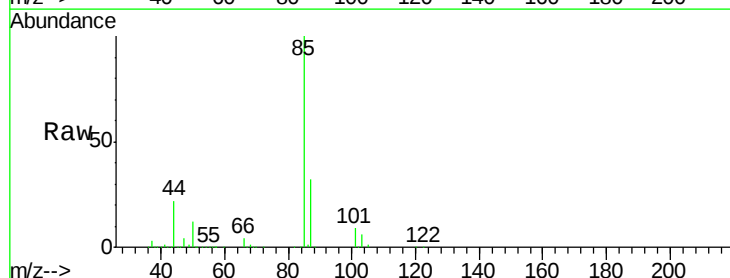
Acq: 29 May 2018 14:26

Tgt Ion: 85 Resp: 74093

Ion Ratio Lower Upper

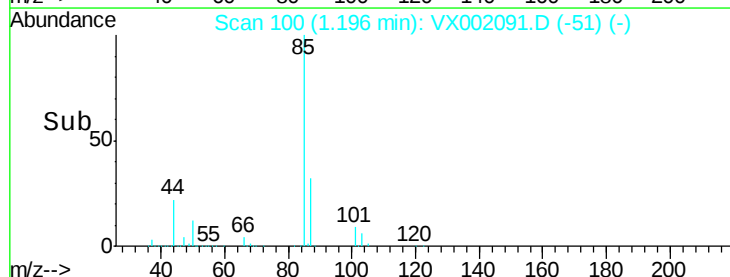
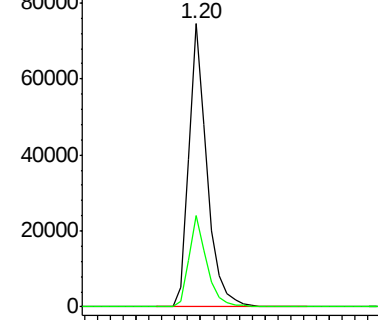
85 100

87 32.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampled :

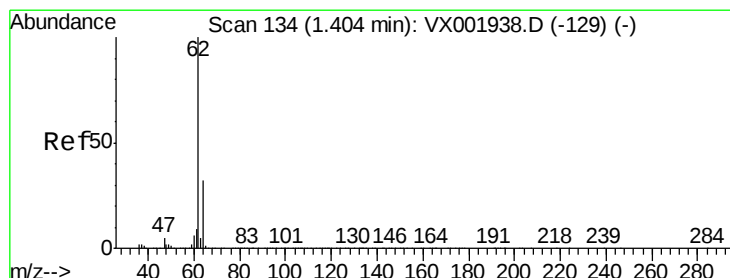
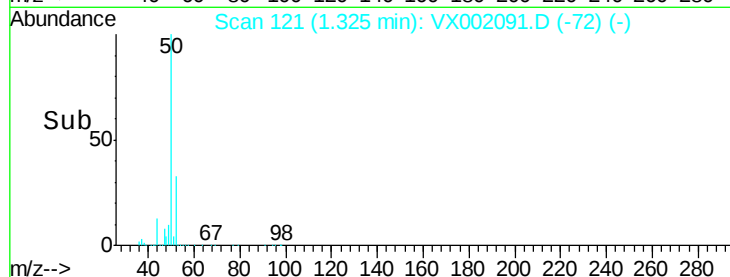
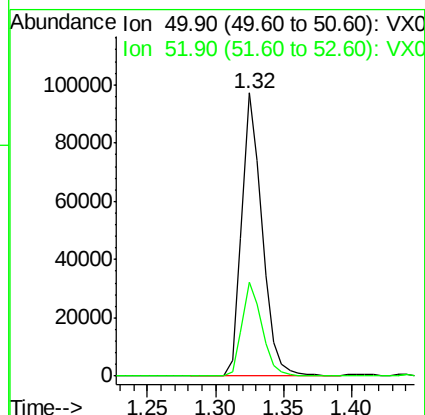
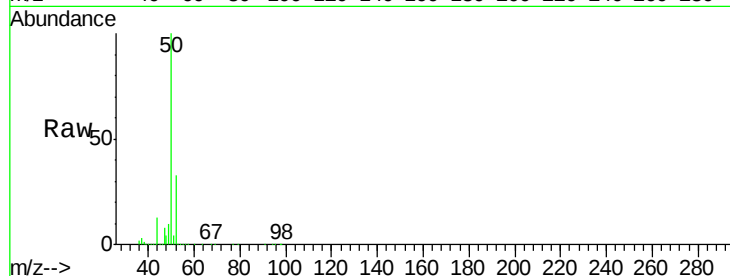
VX0529WBS01

Tot Ion: 50 Resp: 101987

Ion Ratio Lower Upper

50 100

52 33.4 26.0 39.0



#4

Vinyl Chloride

Concen: 19.61 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002091.D

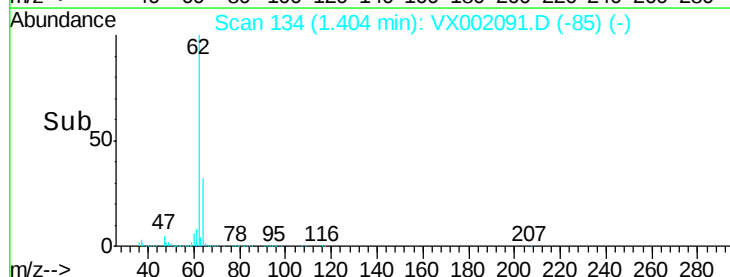
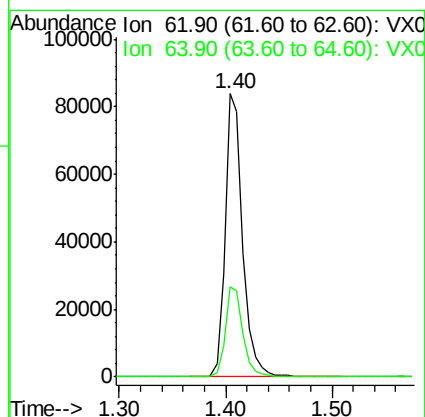
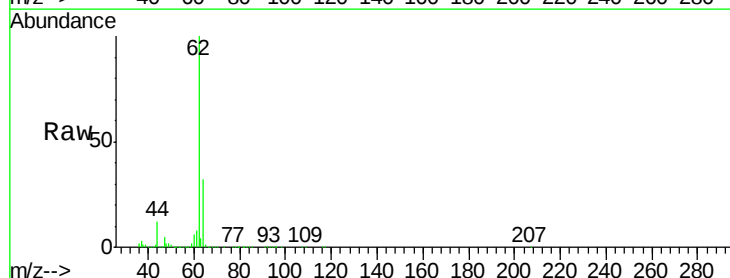
Acq: 29 May 2018 14:26

Tgt Ion: 62 Resp: 95450

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 22.39 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

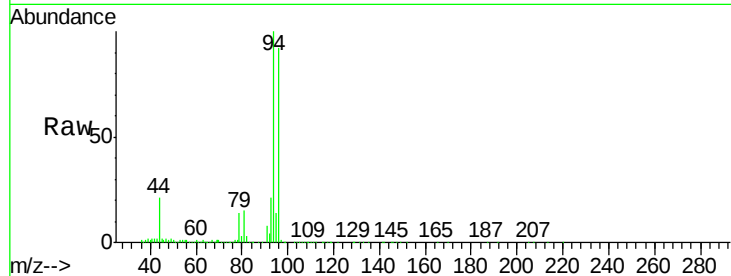
VX0529WBS01

Tot Ion: 94 Resp: 51348

Ion Ratio Lower Upper

94 100

96 92.1 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

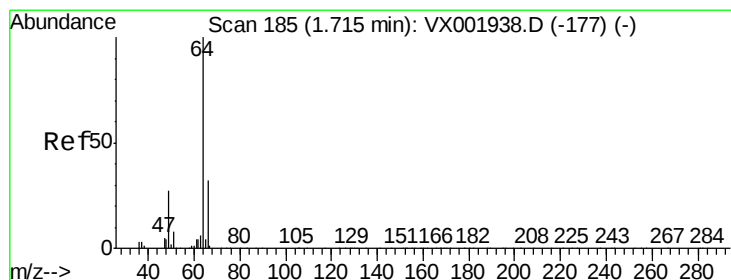
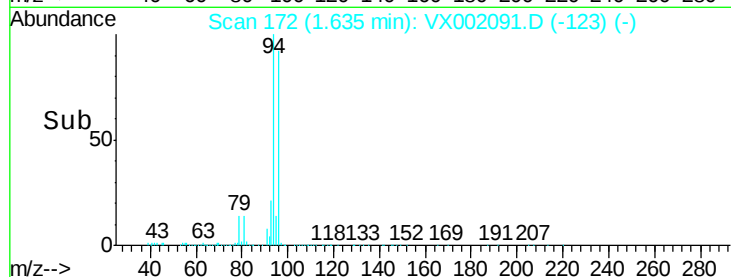
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 20.84 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002091.D

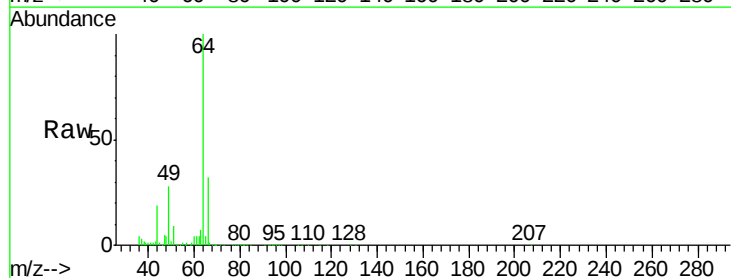
Acq: 29 May 2018 14:26

Tgt Ion: 64 Resp: 59786

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

40000

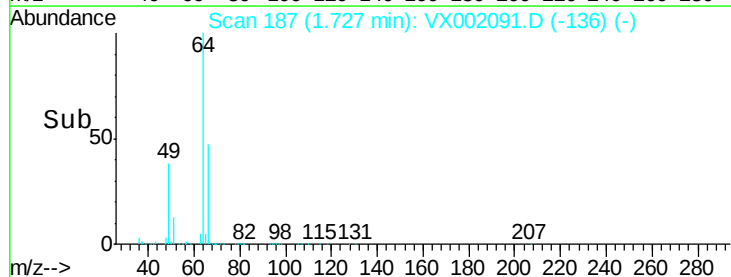
30000

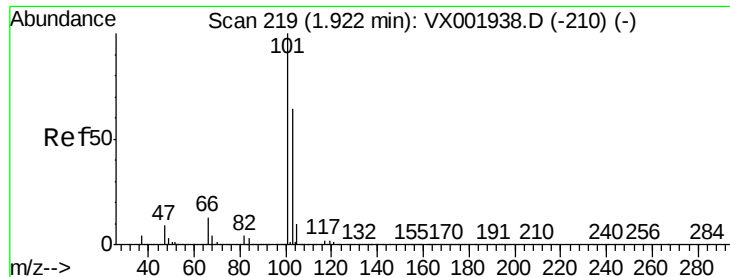
20000

10000

0

Time--> 1.65 1.70 1.75 1.80 1.85



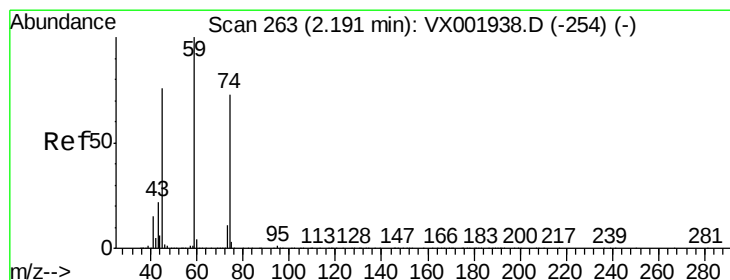
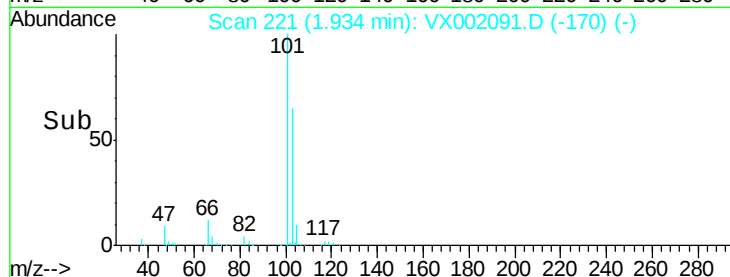
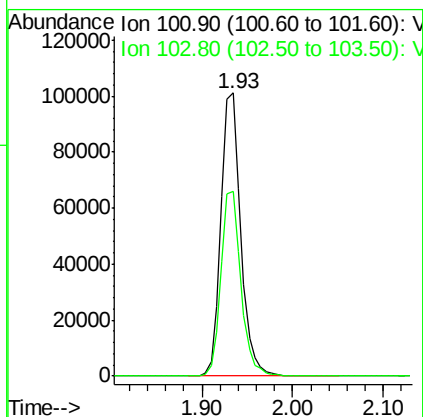
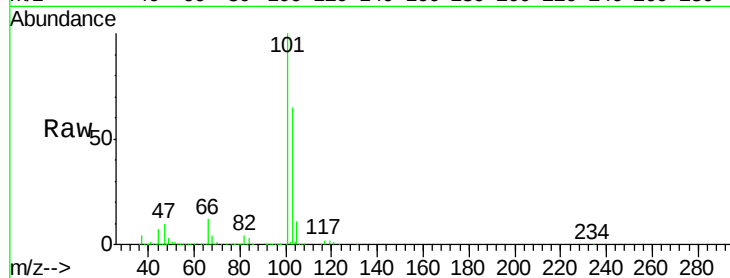


#7

Trichlorofluoromethane
Concen: 21.18 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

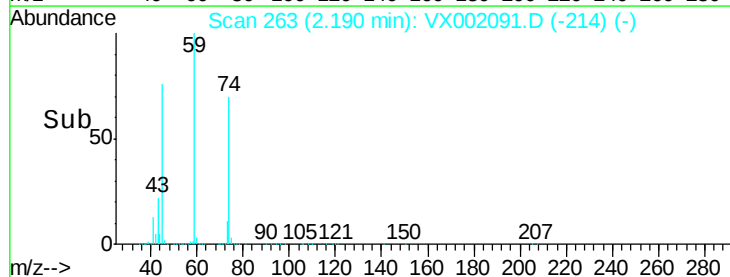
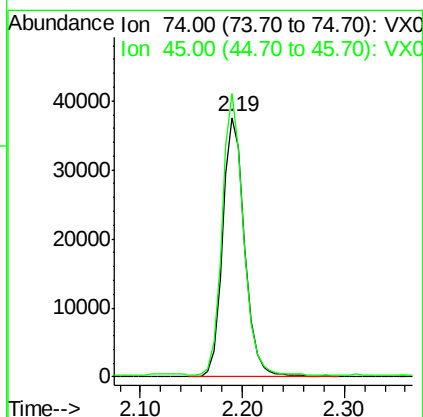
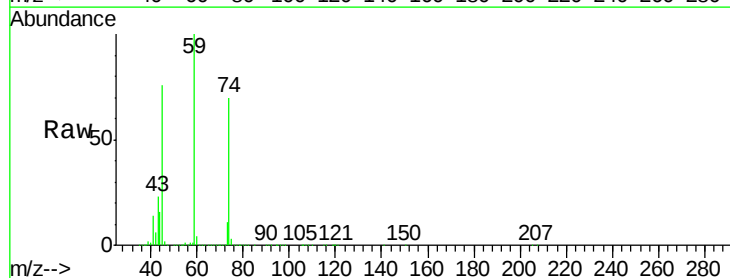
Tot Ion:101 Resp: 154828
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.0



#8

Diethyl Ether
Concen: 21.16 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion: 74 Resp: 56117
Ion Ratio Lower Upper
74 100
45 104.4 51.5 154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.18 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

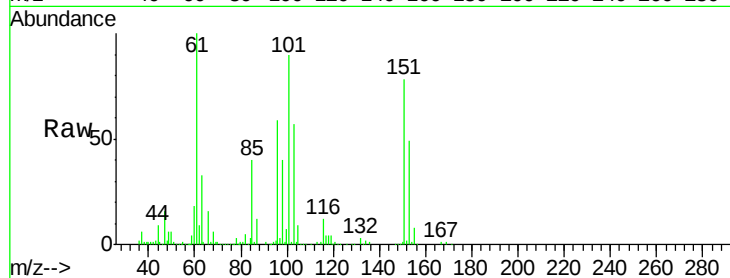
Tot Ion:101 Resp: 90467

Ion Ratio Lower Upper

101 100

85 45.9 35.6 53.4

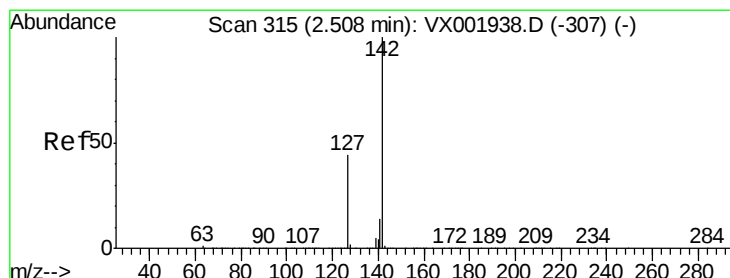
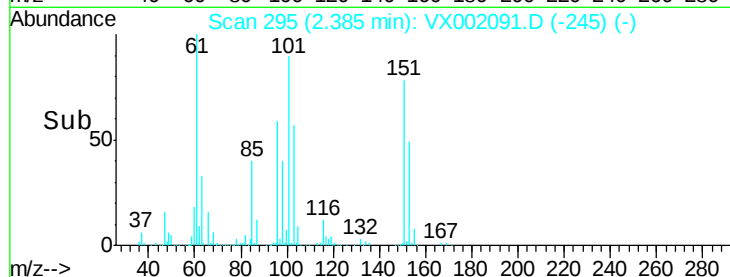
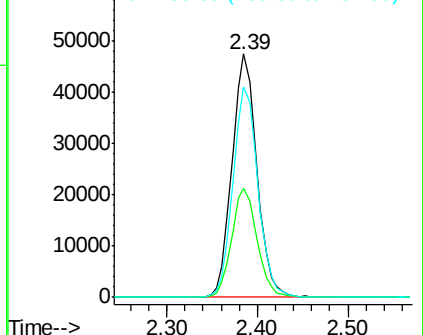
151 87.3 73.2 109.8



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: 18.34 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

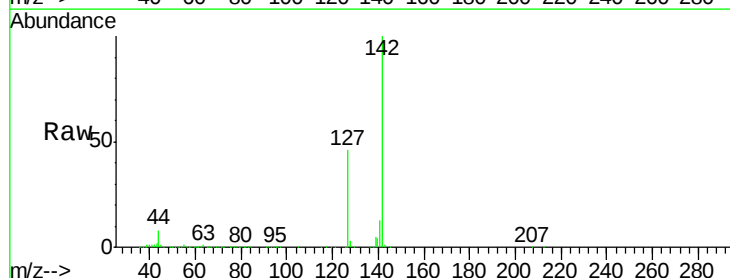
Tgt Ion:142 Resp: 101222

Ion Ratio Lower Upper

142 100

127 45.3 35.5 53.3

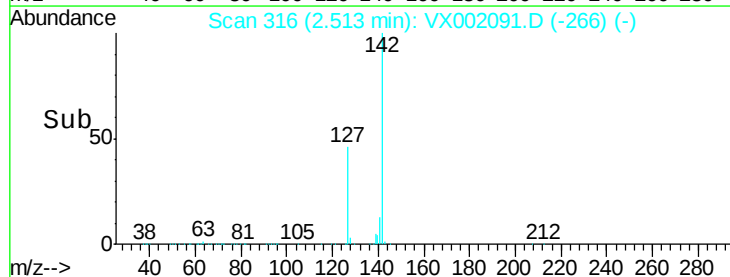
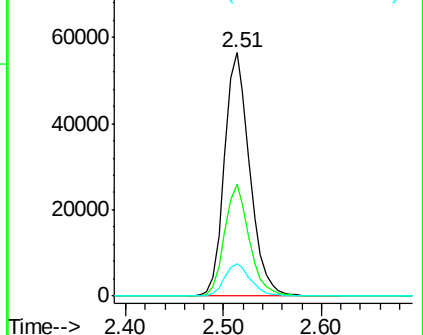
141 13.9 11.3 16.9



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



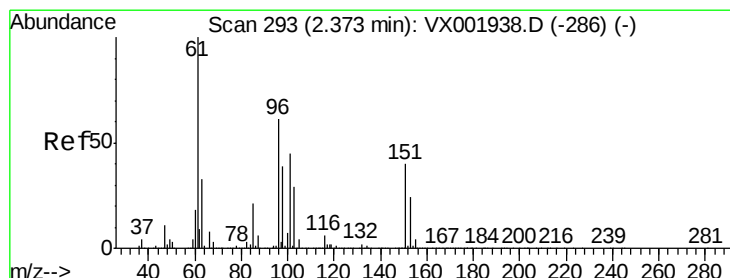
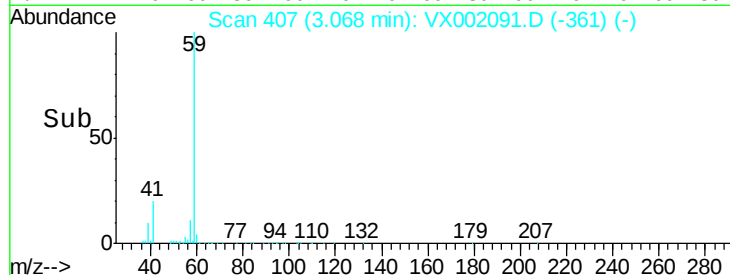
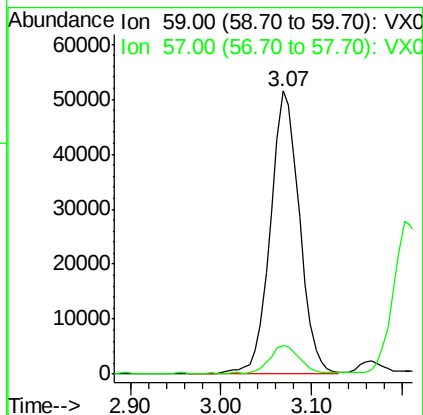
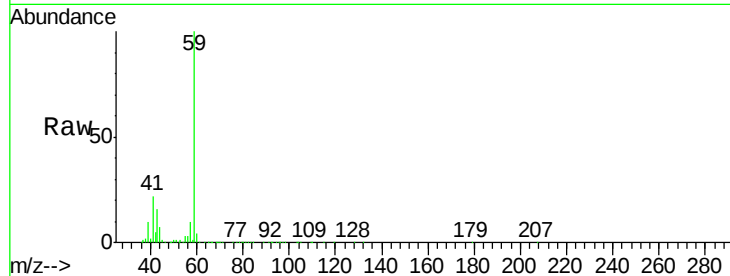


#11

Tert butyl alcohol
Concen: 99.69 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

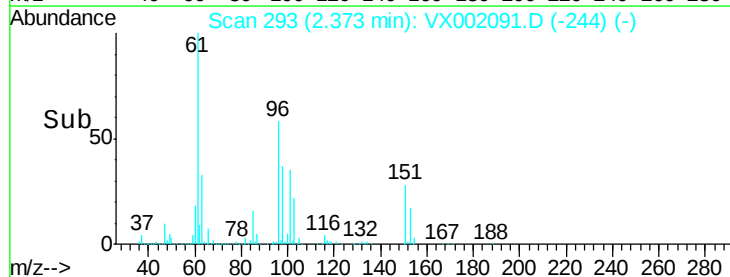
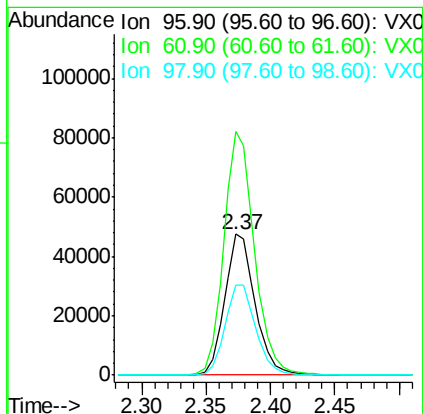
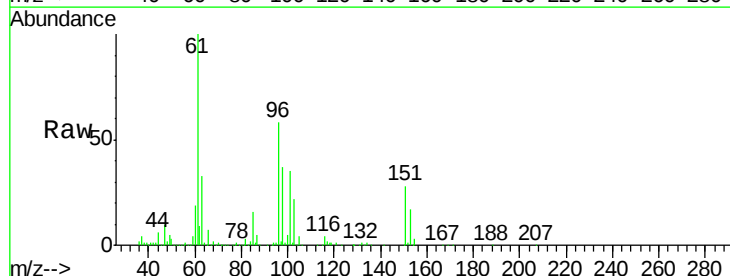
Tot Ion: 59 Resp: 114601
Ion Ratio Lower Upper
59 100
57 9.9 8.9 13.3



#12

1,1-Dichloroethene
Concen: 20.38 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion: 96 Resp: 77813
Ion Ratio Lower Upper
96 100
61 172.4 131.7 197.5
98 63.7 51.6 77.4





#13

Acrolein

Concen: 84.37 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

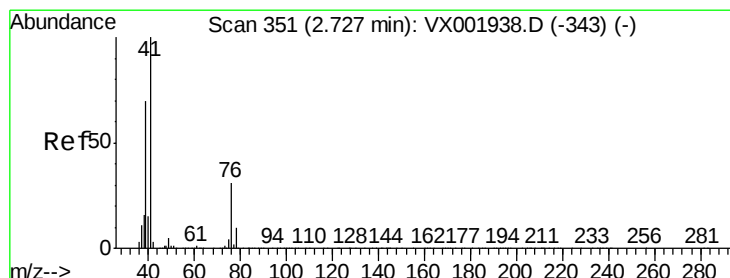
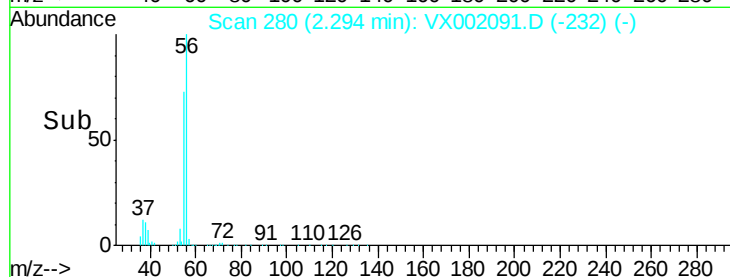
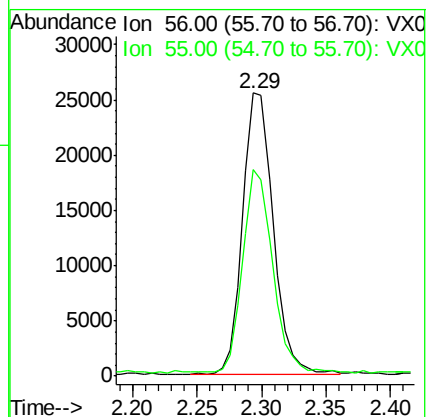
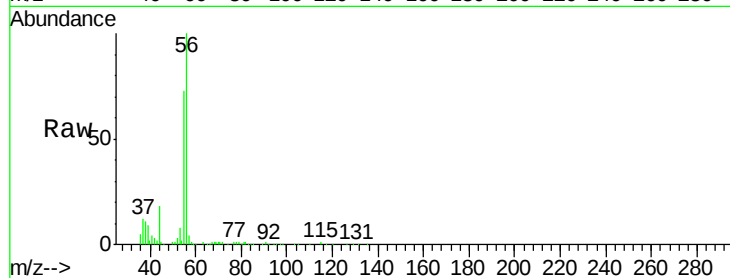
VX0529WBS01

Tot Ion: 56 Resp: 41933

Ion Ratio Lower Upper

56 100

55 70.5 56.8 85.2



#14

Allyl chloride

Concen: 21.23 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

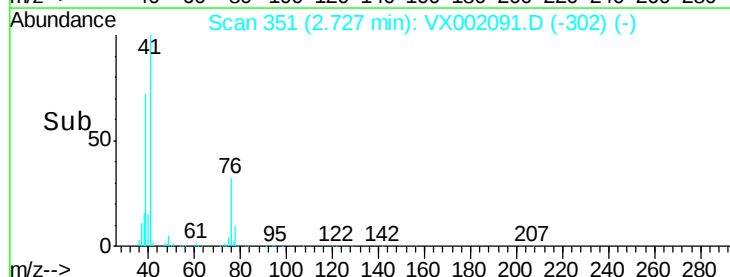
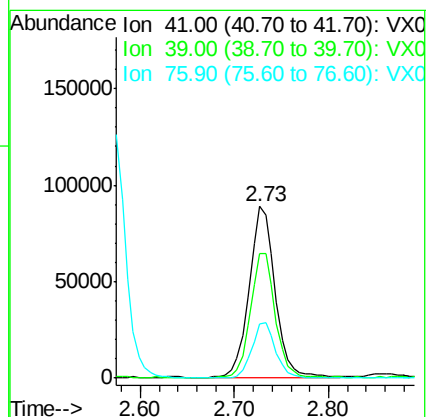
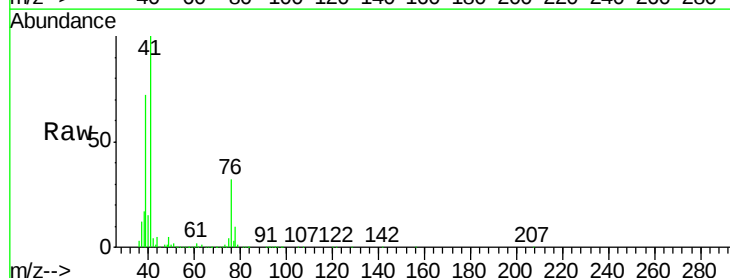
Tgt Ion: 41 Resp: 170181

Ion Ratio Lower Upper

41 100

39 69.7 54.3 81.5

76 29.7 24.2 36.4





#15

Acrylonitrile

Concen: 102.07 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

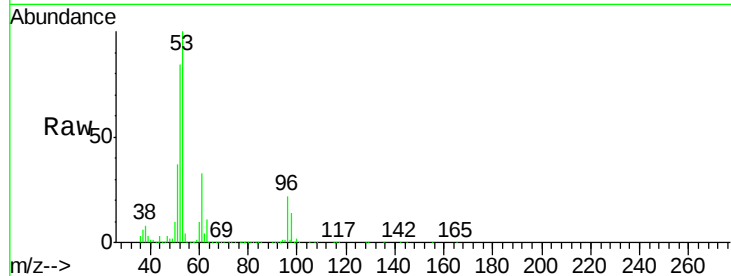
Tot Ion: 53 Resp: 241287

Ion Ratio Lower Upper

53 100

52 83.4 66.4 99.6

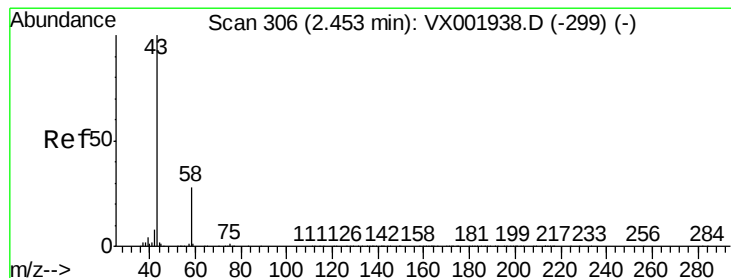
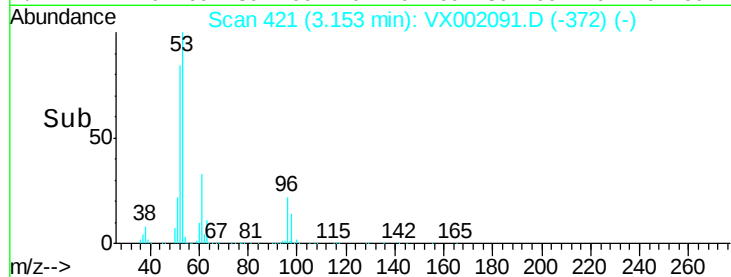
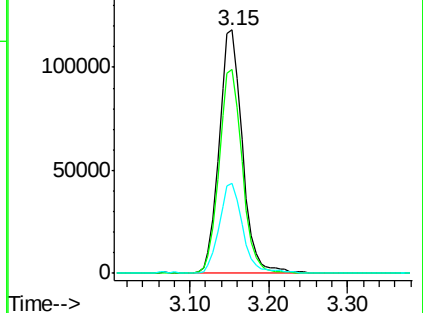
51 37.2 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 105.17 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002091.D

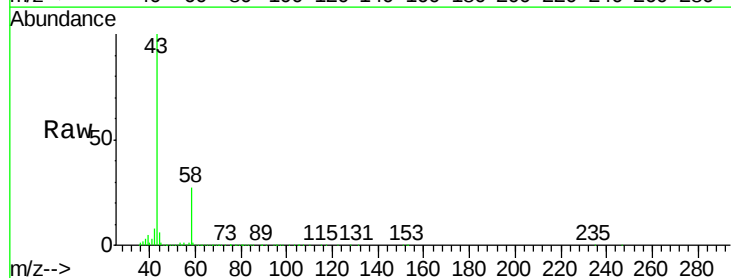
Acq: 29 May 2018 14:26

Tgt Ion: 43 Resp: 237697

Ion Ratio Lower Upper

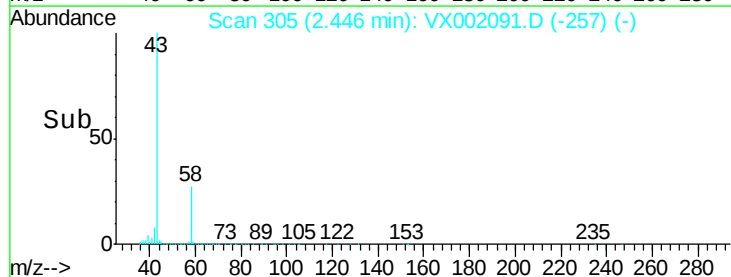
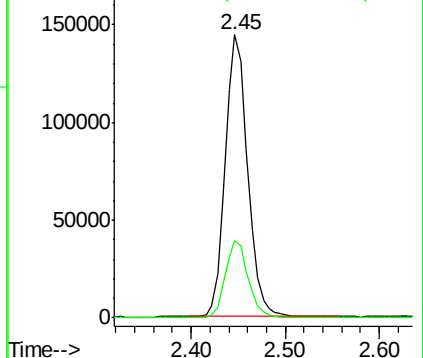
43 100

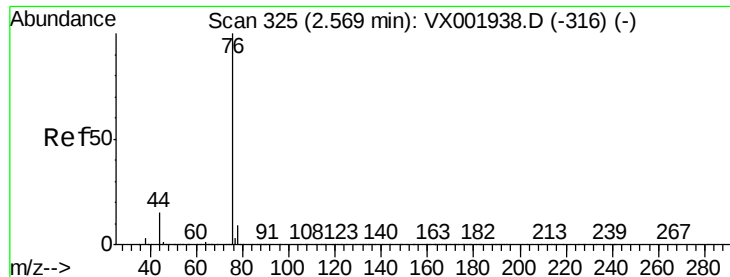
58 27.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

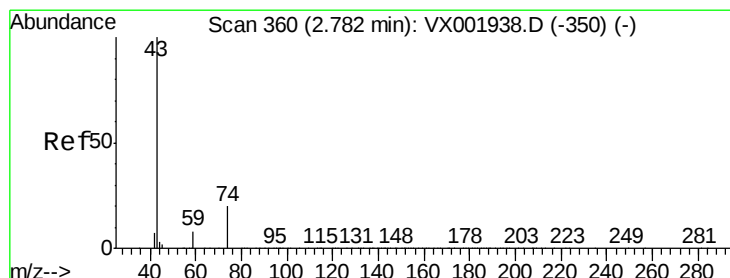
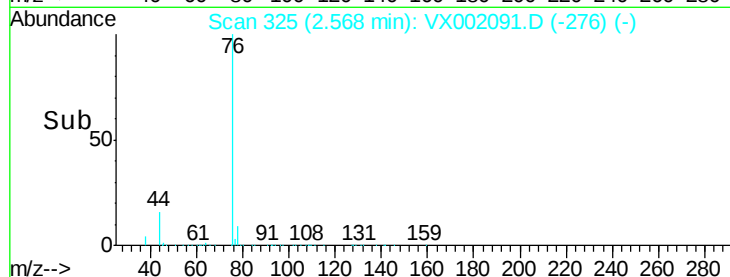
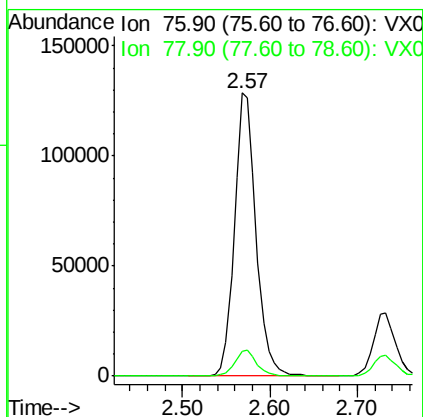
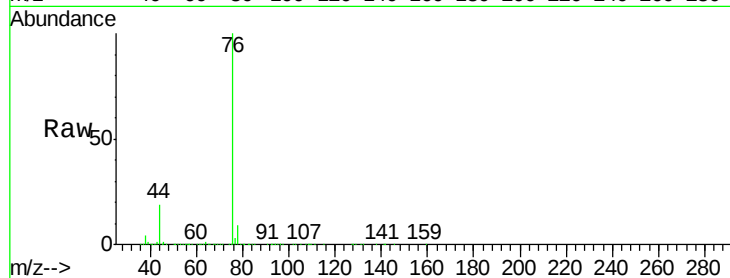




#17
Carbon Disulfide
Concen: 20.12 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

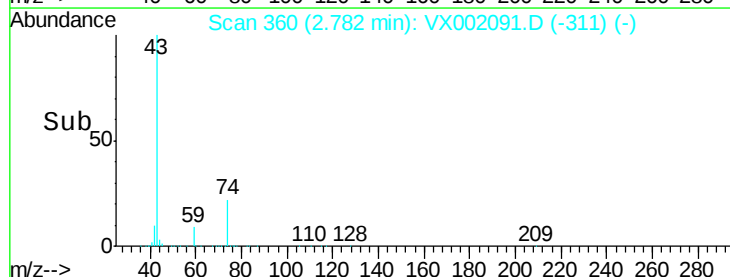
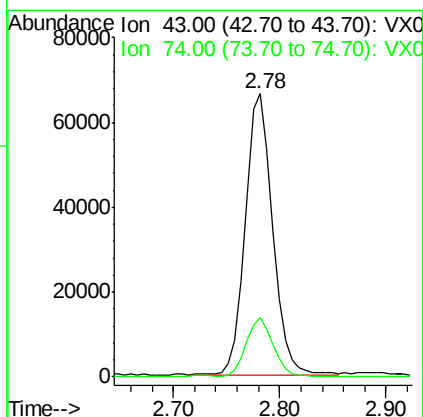
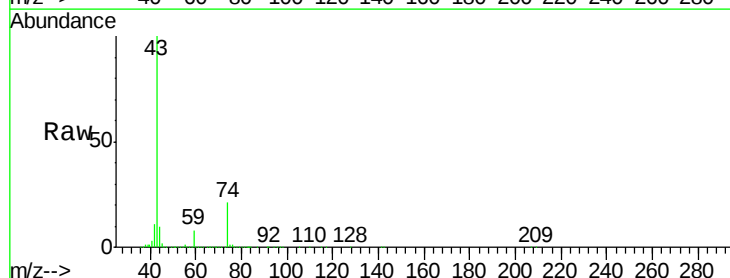
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

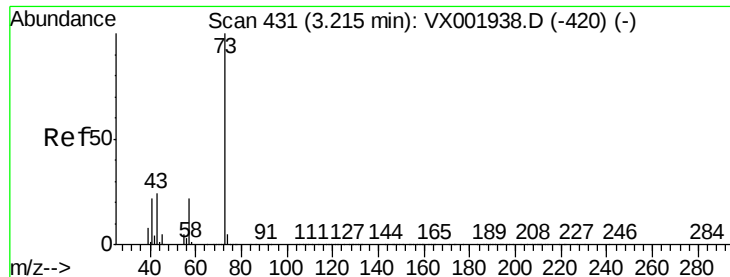
Tot Ion: 76 Resp: 221149
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 21.36 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion: 43 Resp: 119824
Ion Ratio Lower Upper
43 100
74 21.2 16.8 25.2





#19

Methyl tert-butyl Ether

Concen: 20.63 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

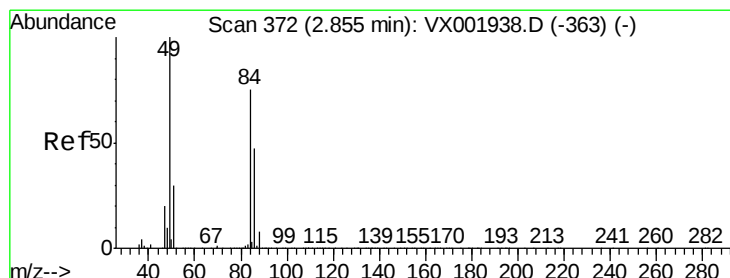
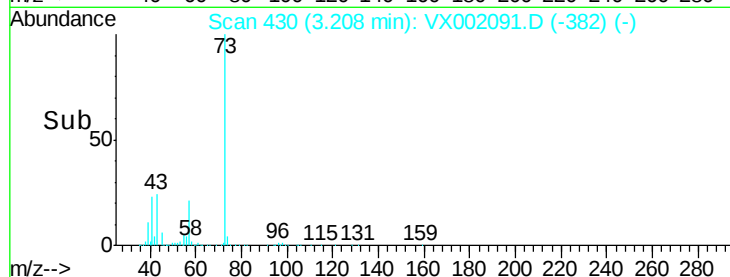
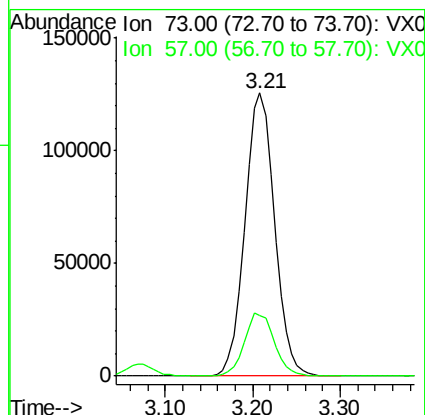
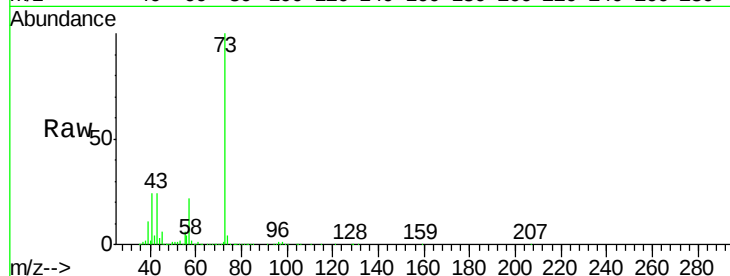
VX0529WBS01

Tot Ion: 73 Resp: 296236

Ion Ratio Lower Upper

73 100

57 21.3 17.4 26.0



#20

Methylene Chloride

Concen: 21.91 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Tgt Ion: 84 Resp: 89404

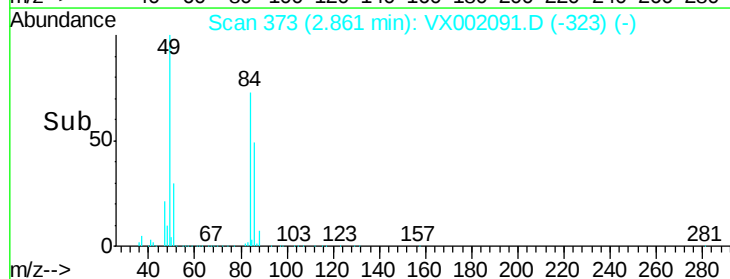
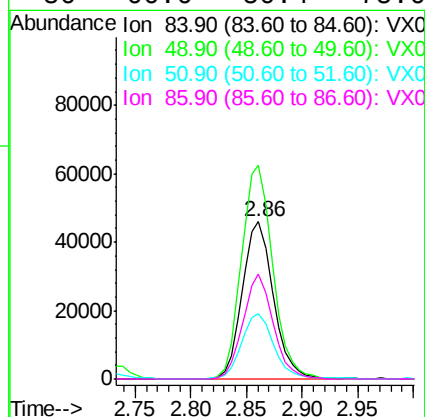
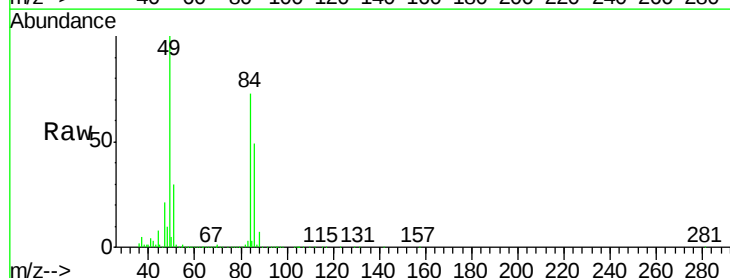
Ion Ratio Lower Upper

84 100

49 135.9 107.2 160.8

51 40.9 32.4 48.6

86 66.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.92 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

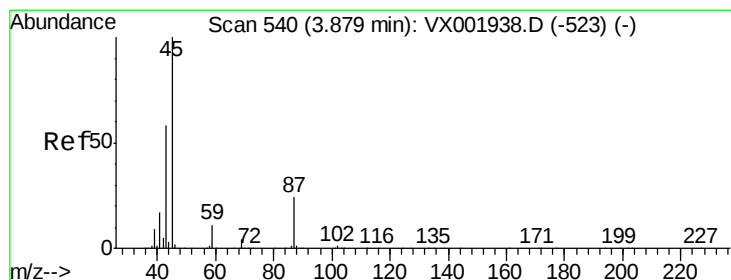
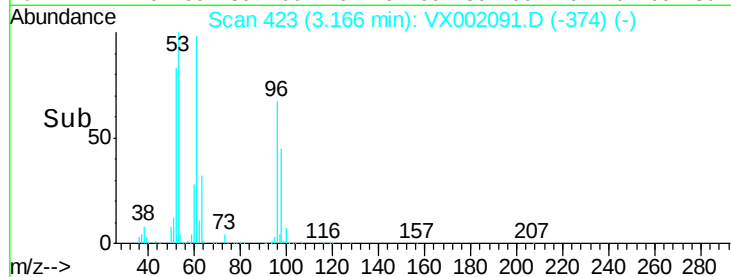
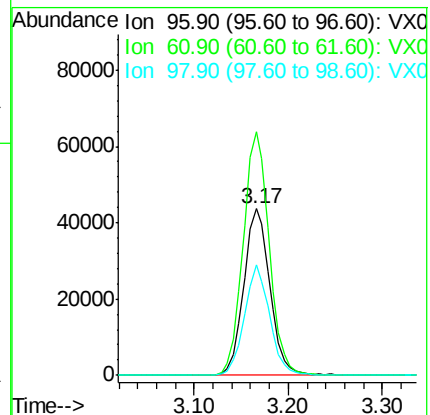
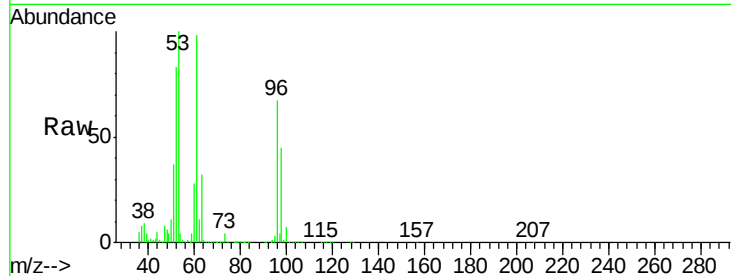
Tot Ion: 96 Resp: 84778

Ion Ratio Lower Upper

96 100

61 146.2 113.3 169.9

98 66.3 51.7 77.5



#22

Diisopropyl ether

Concen: 18.88 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Tgt Ion: 45 Resp: 307766

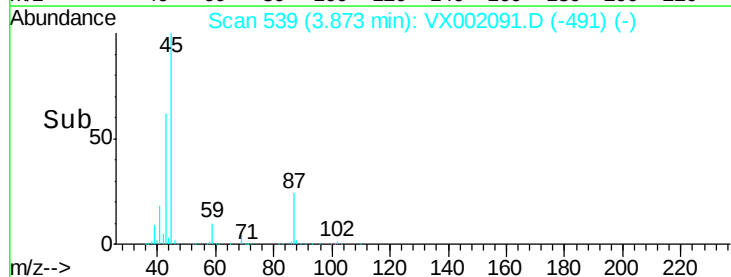
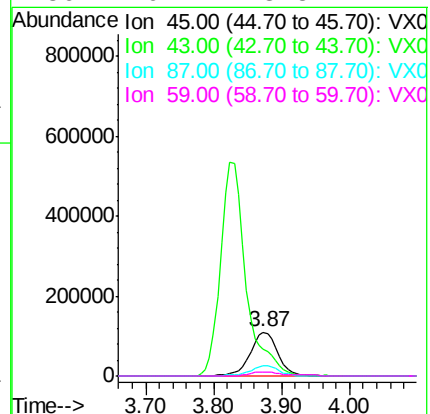
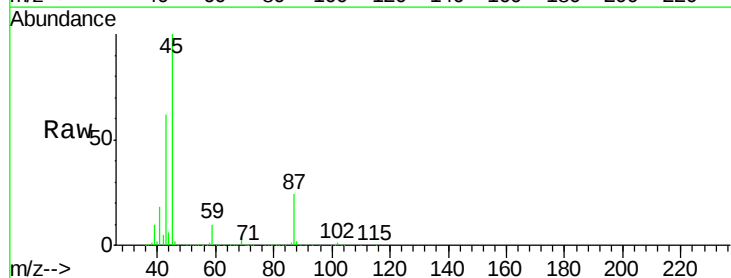
Ion Ratio Lower Upper

45 100

43 61.8 47.0 70.6

87 24.2 19.4 29.0

59 10.2 8.5 12.7





#23

Vinyl Acetate

Concen: 103.48 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

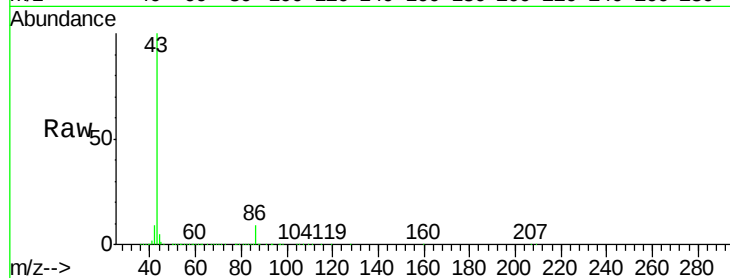
VX0529WBS01

Tot Ion: 43 Resp: 1398894

Ion Ratio Lower Upper

43 100

86 9.0 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

500000

400000

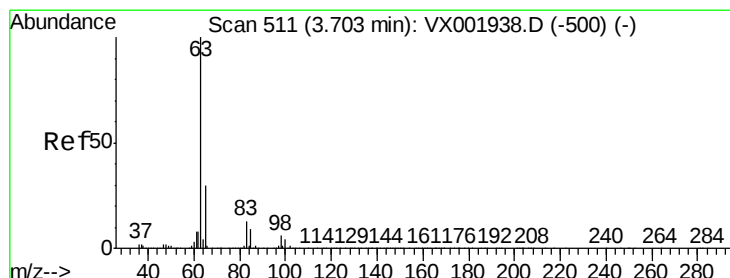
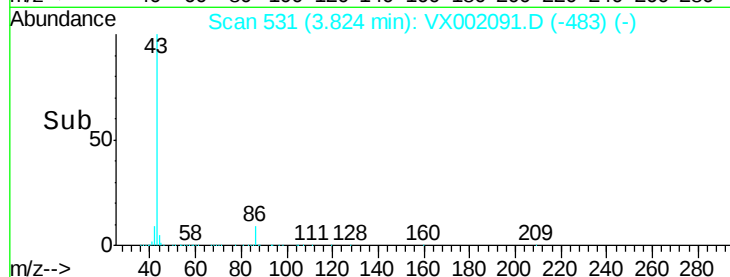
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 21.31 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

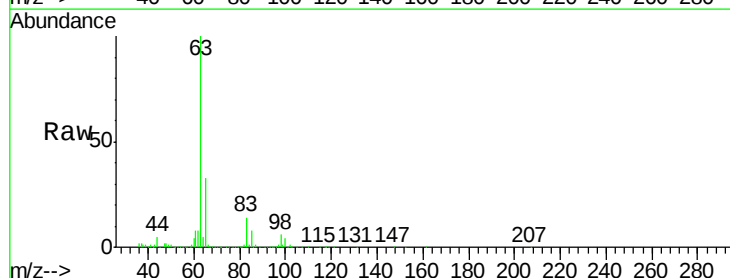
Tgt Ion: 63 Resp: 165043

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.6 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

80000

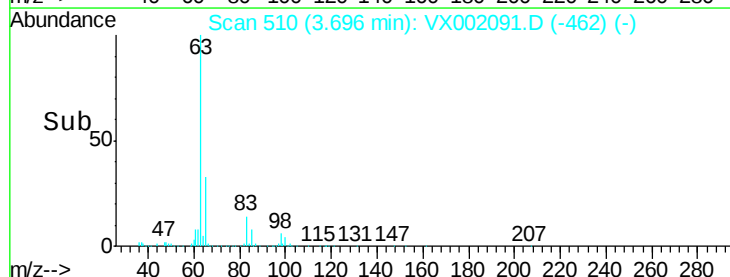
60000

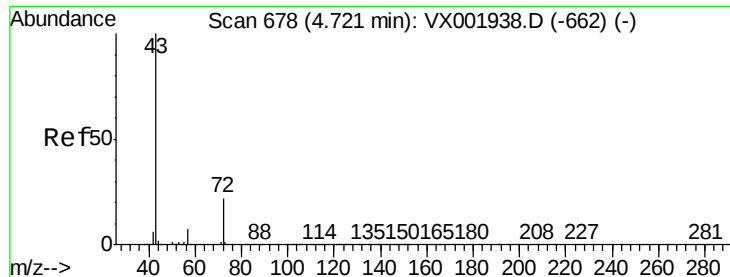
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 85.63 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

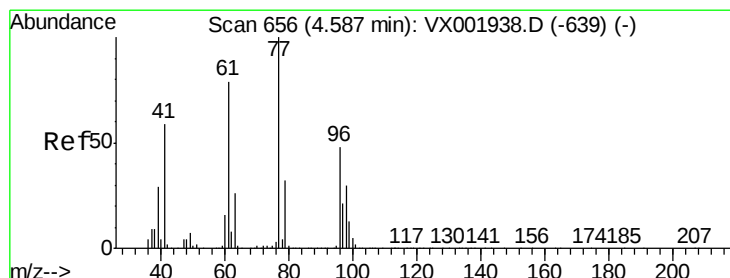
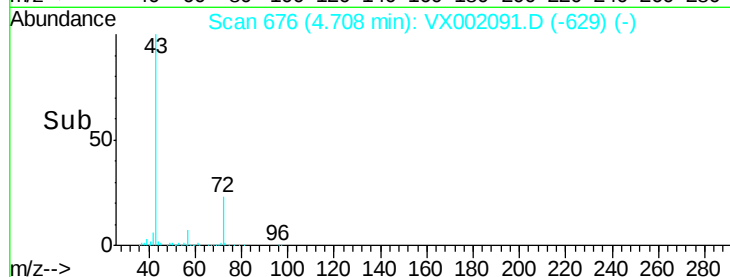
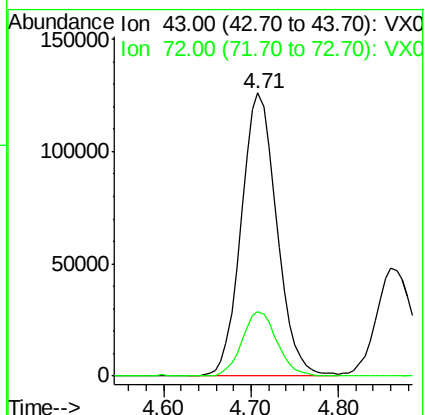
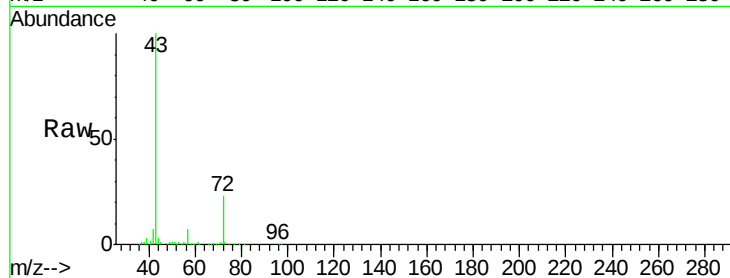
VX0529WBS01

Tot Ion: 43 Resp: 354689

Ion Ratio Lower Upper

43 100

72 22.7 17.9 26.9



#26

2,2-Dichloropropane

Concen: 17.85 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002091.D

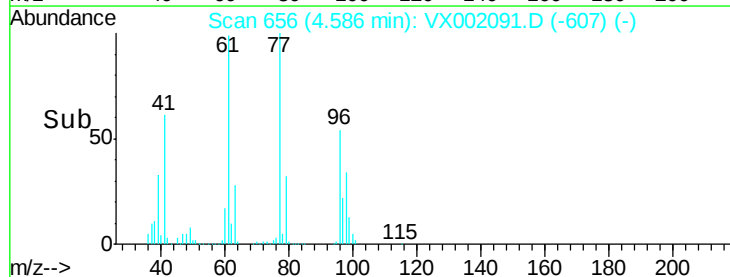
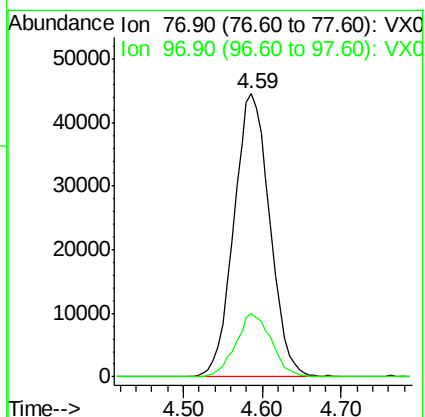
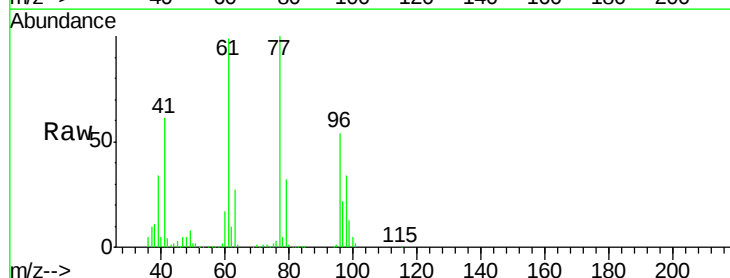
Acq: 29 May 2018 14:26

Tgt Ion: 77 Resp: 139955

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 18.31 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

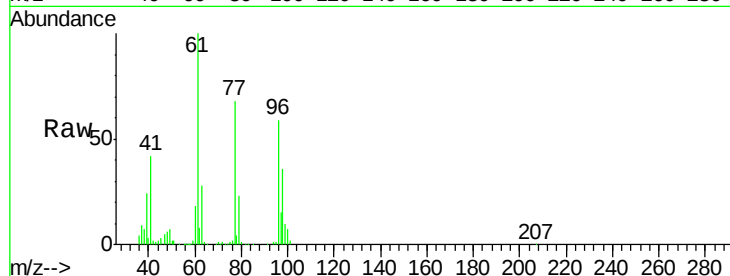
Tot Ion: 96 Resp: 91163

Ion Ratio Lower Upper

96 100

61 188.5 0.0 348.4

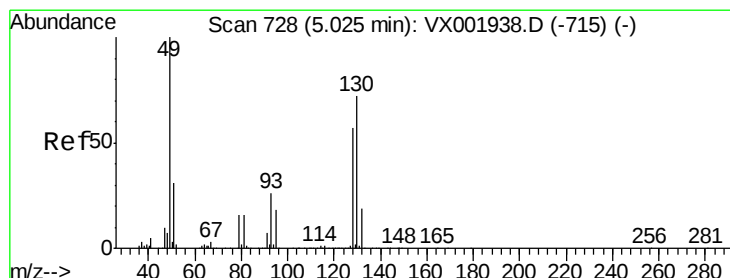
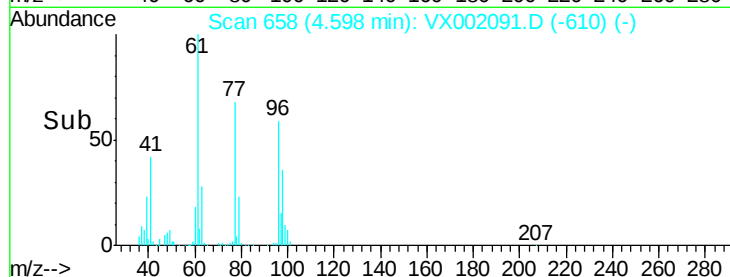
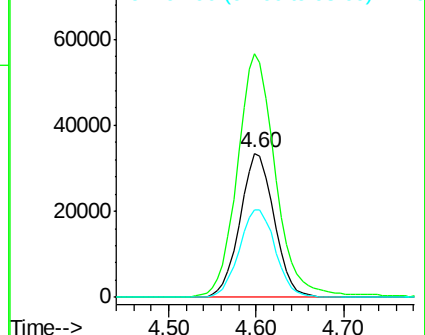
98 64.4 0.0 128.6



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: 25.81 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

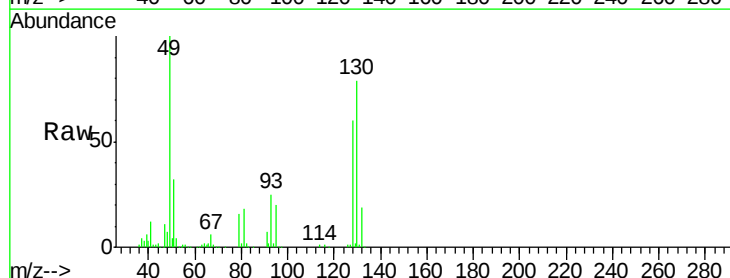
Tgt Ion: 49 Resp: 87204

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

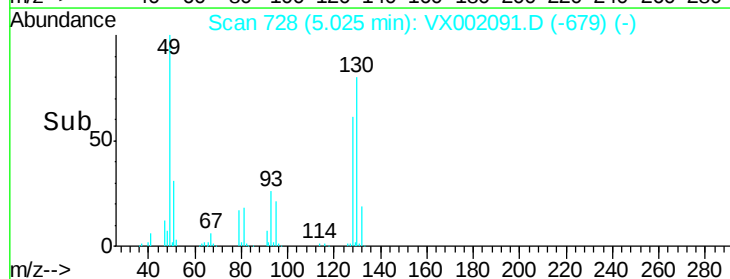
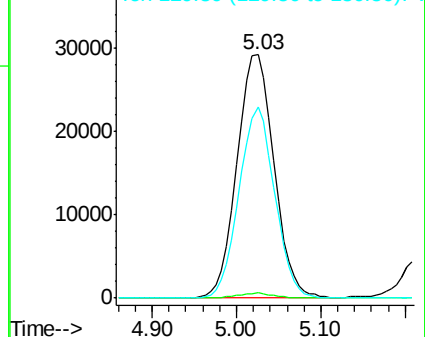
130 75.4 59.4 89.2

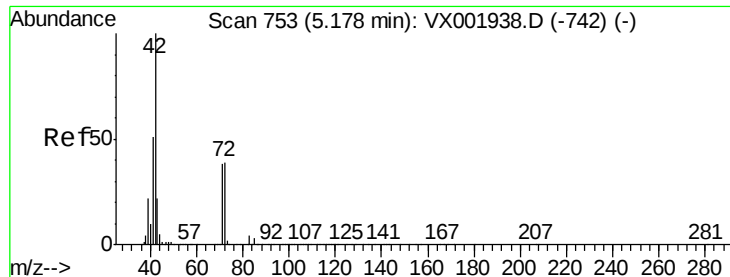


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 85.48 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampled :

VX0529WBS01

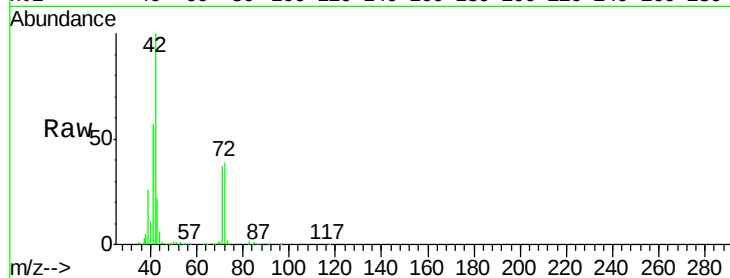
Tot Ion: 42 Resp: 230387

Ion Ratio Lower Upper

42 100

72 39.3 31.4 47.0

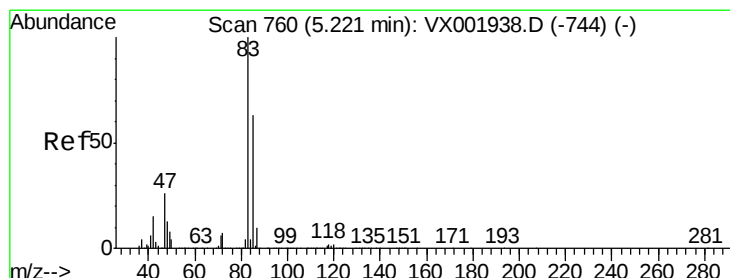
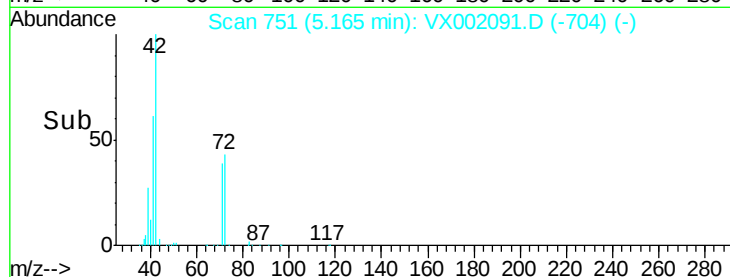
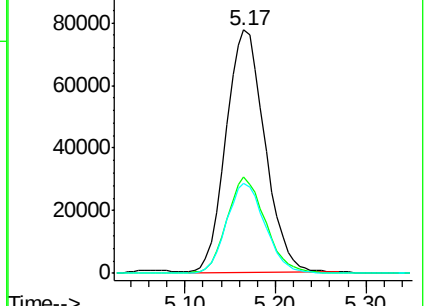
71 37.0 29.5 44.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 17.98 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002091.D

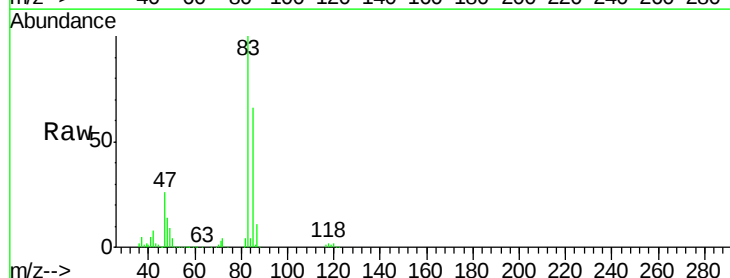
Acq: 29 May 2018 14:26

Tgt Ion: 83 Resp: 156922

Ion Ratio Lower Upper

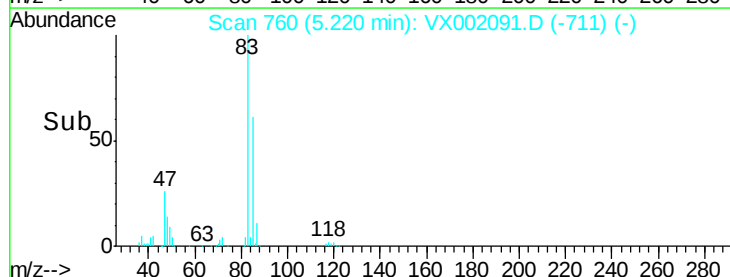
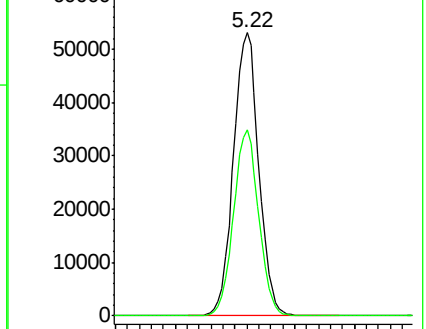
83 100

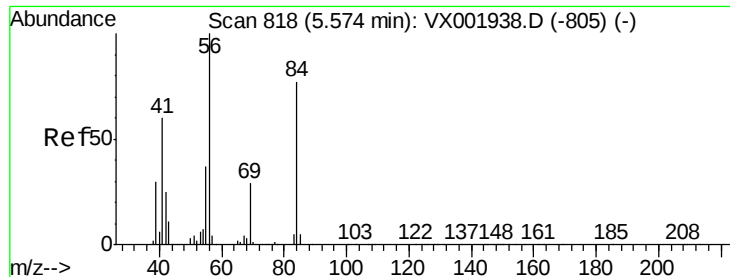
85 65.9 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

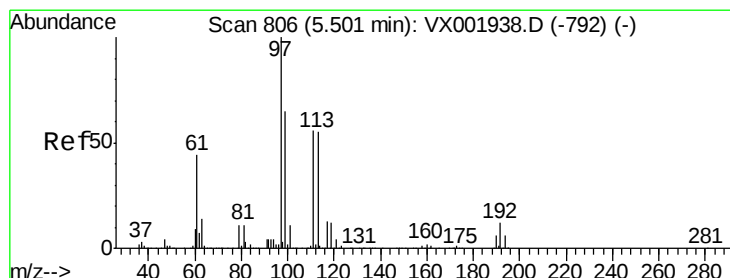
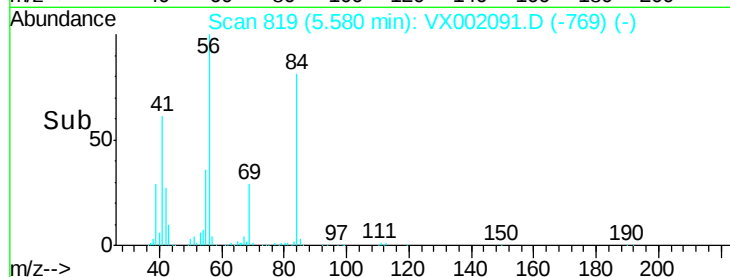
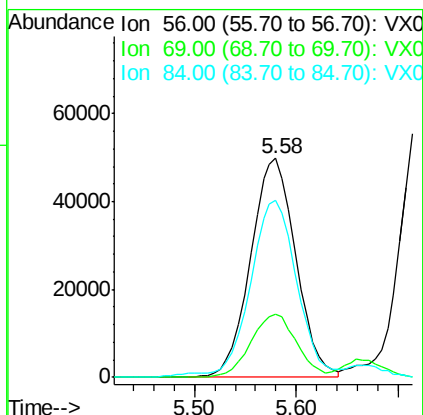
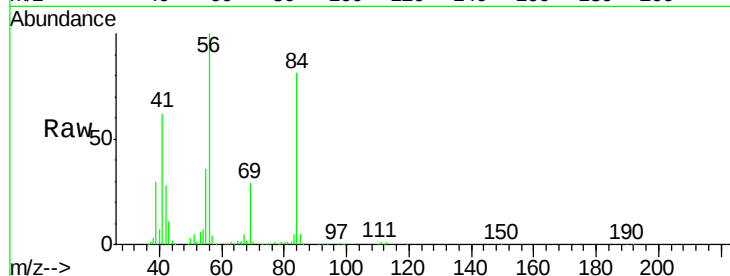




#31
Cyclohexane
Concen: 18.92 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

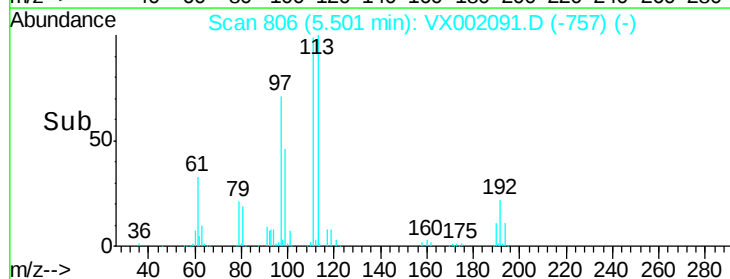
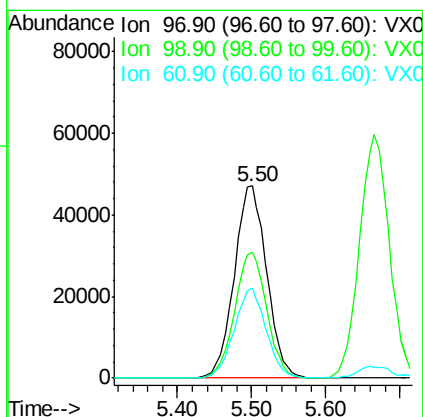
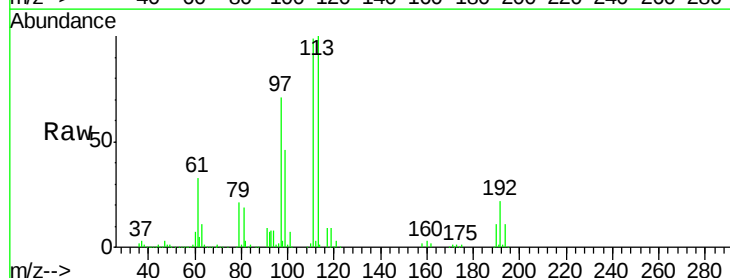
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

Tot Ion: 56 Resp: 152687
Ion Ratio Lower Upper
56 100
69 28.5 23.1 34.7
84 79.0 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 17.67 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion: 97 Resp: 143719
Ion Ratio Lower Upper
97 100
99 64.6 51.9 77.9
61 46.1 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 43.04 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampled :

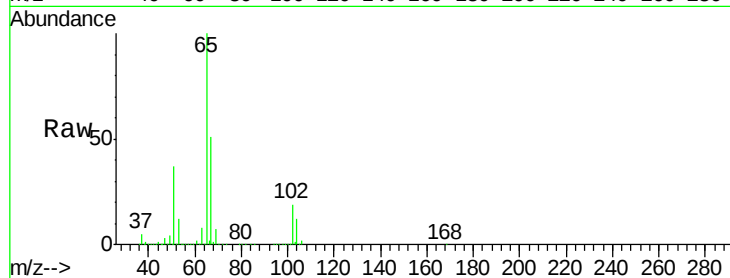
VX0529WBS01

Tot Ion: 65 Resp: 252064

Ion Ratio Lower Upper

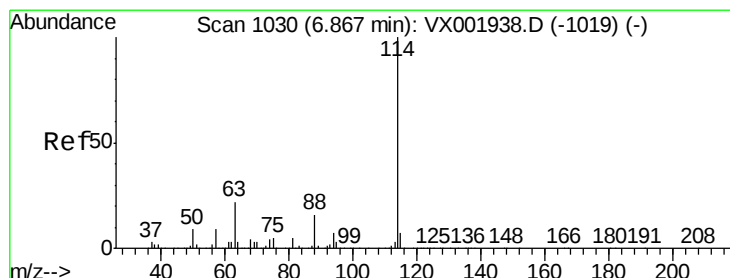
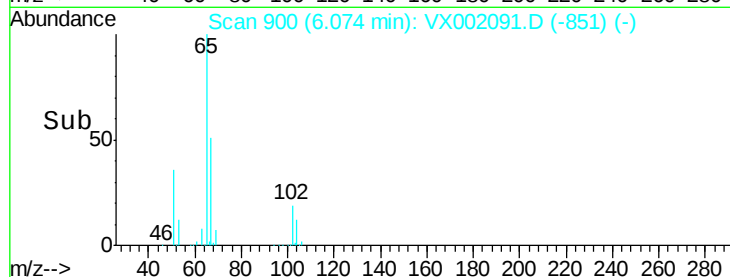
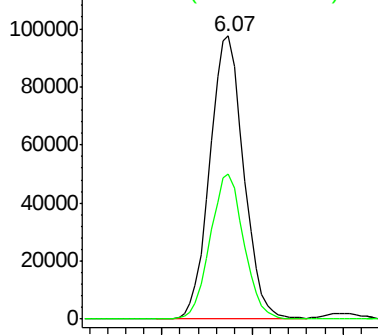
65 100

67 50.9 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: VX002091.D

Acq: 29 May 2018 14:26

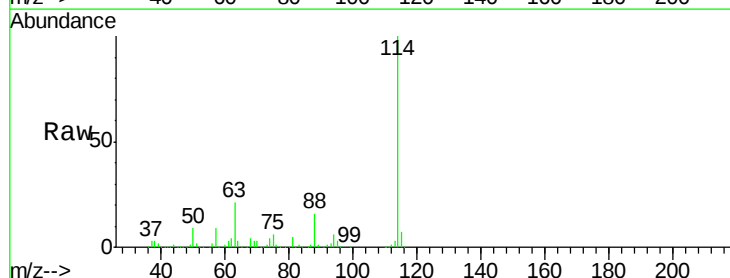
Tgt Ion: 114 Resp: 443123

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

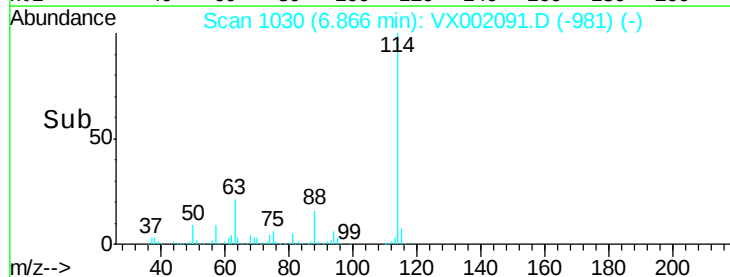
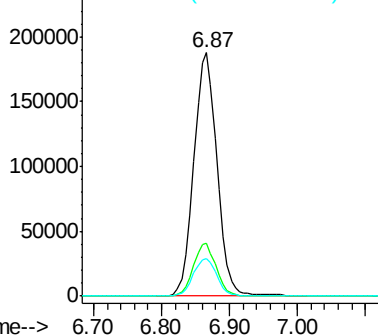
88 15.5 0.0 31.6

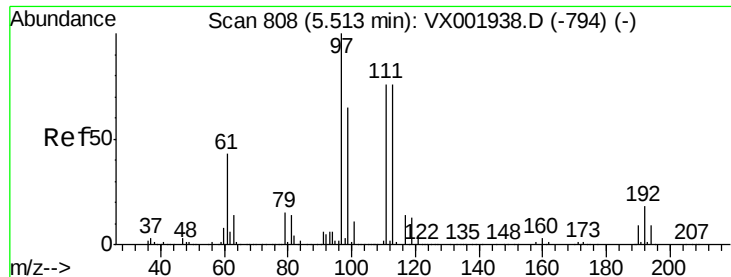


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

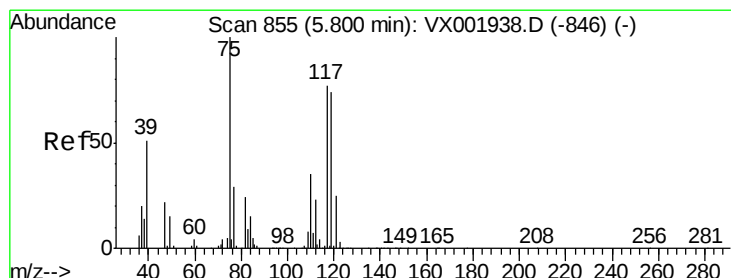
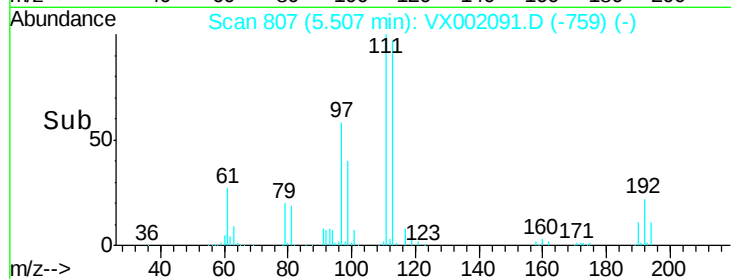
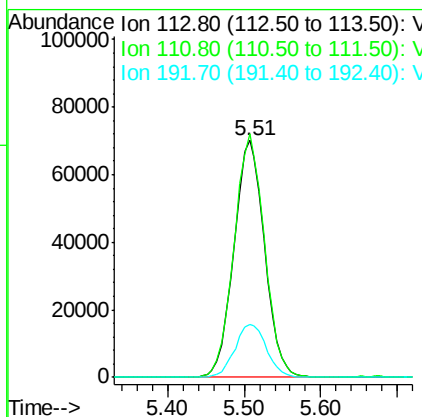
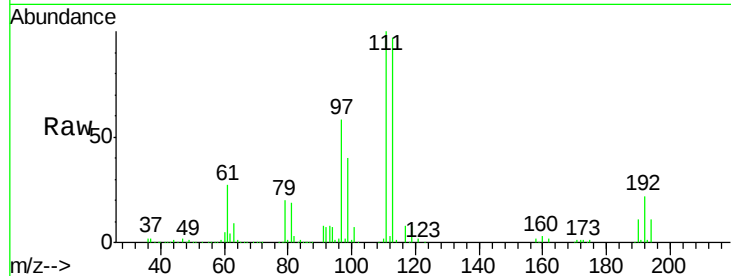




#35
 Dibromofluoromethane
 Concen: 43.82 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002091.D
 Acq: 29 May 2018 14:26

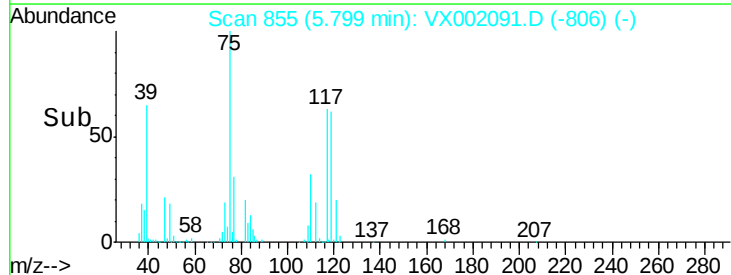
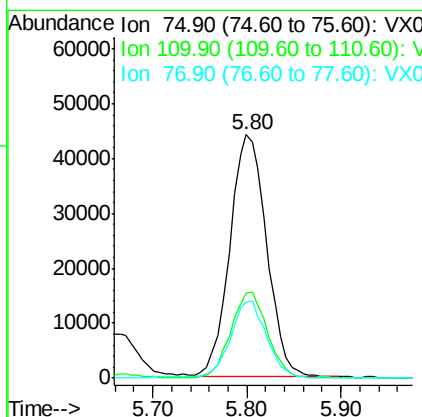
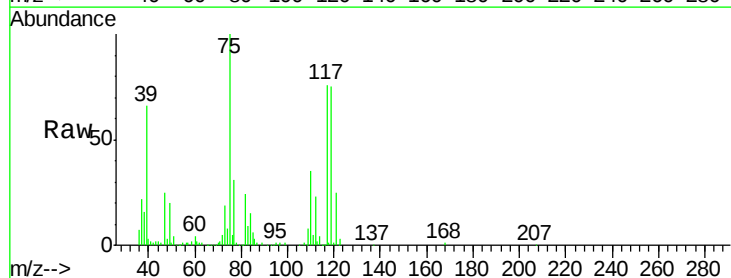
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBS01

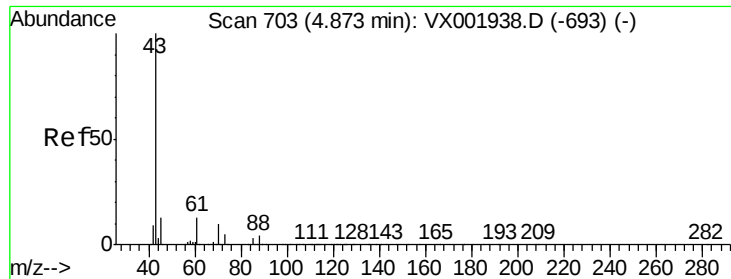
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	23.2	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 19.43 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002091.D
 Acq: 29 May 2018 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.4	52.2
77	30.5	24.4	36.6

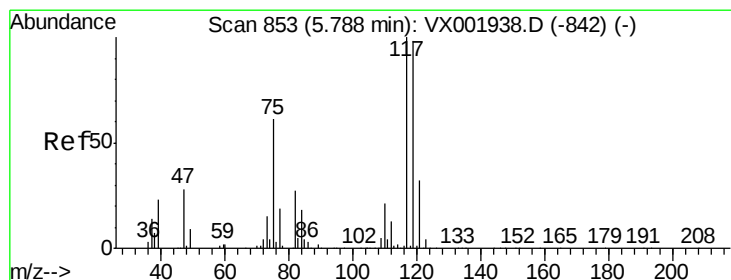
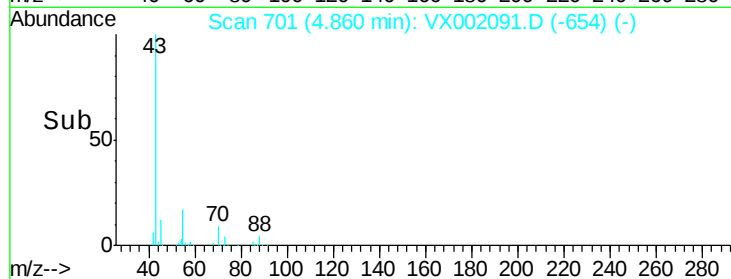
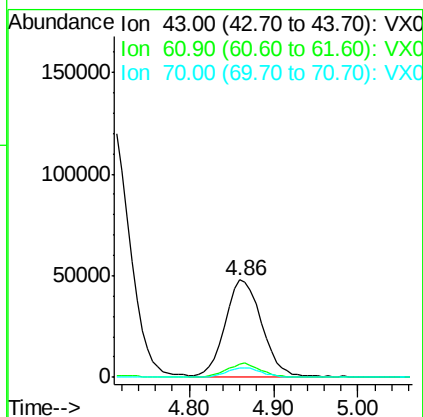
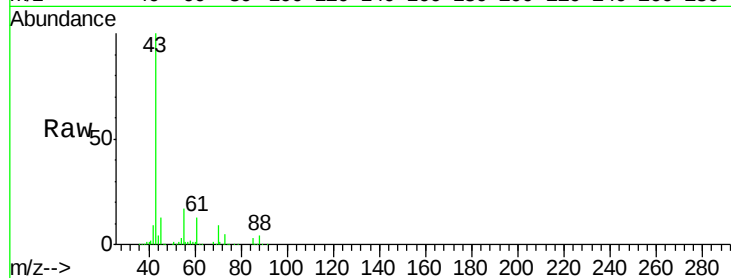




#37
Ethyl Acetate
Concen: 17.49 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

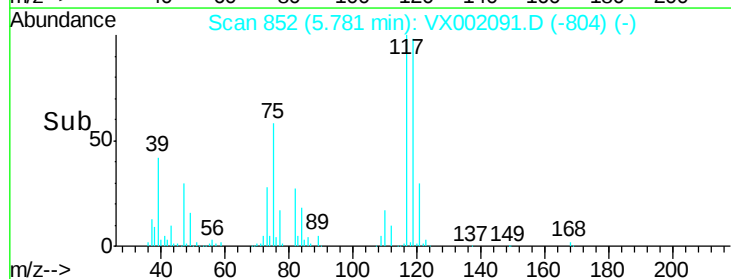
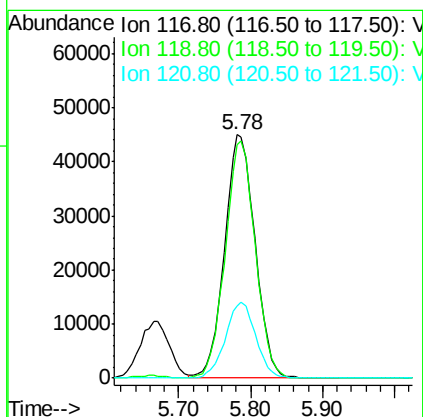
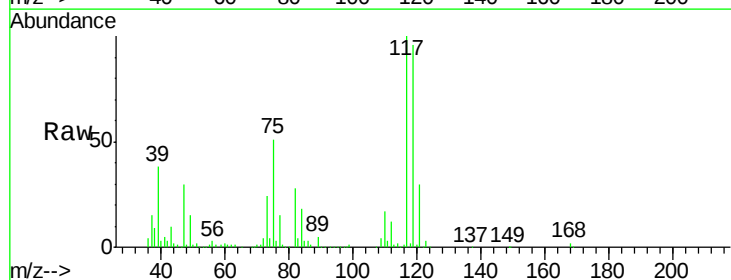
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

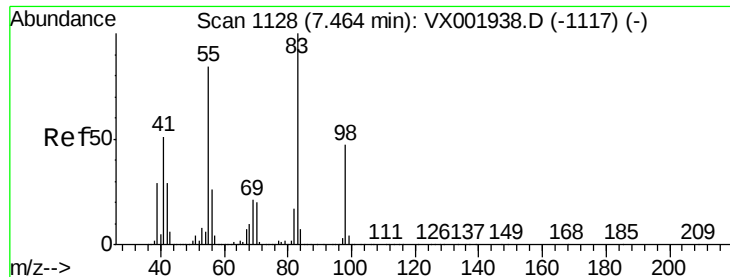
Tot Ion: 43 Resp: 140576
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.2
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.41 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion: 117 Resp: 132305
Ion Ratio Lower Upper
117 100
119 95.8 78.5 117.7
121 29.8 25.5 38.3

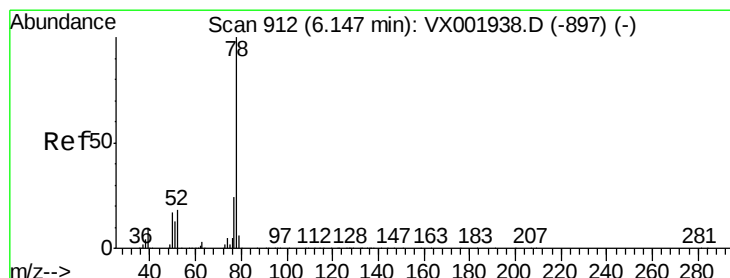
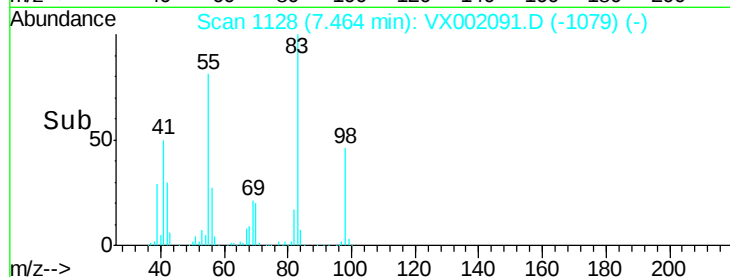
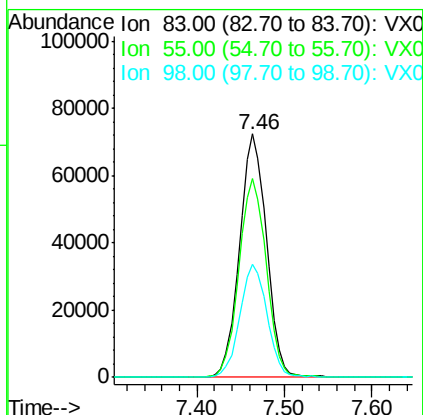
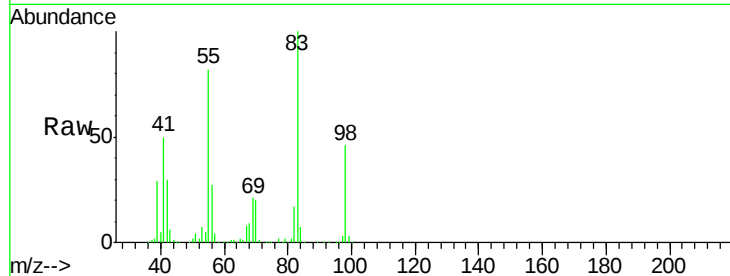




#39
Methvlcvclohexane
Concen: 20.52 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

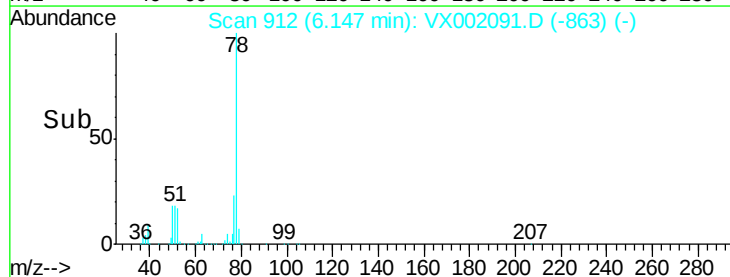
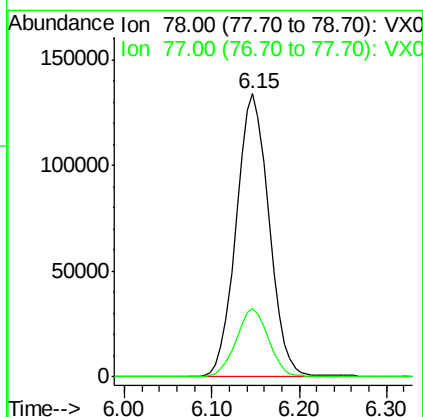
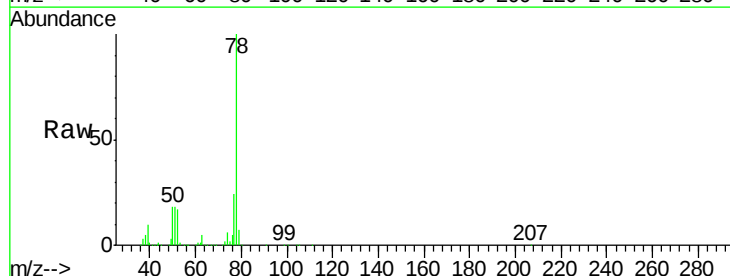
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

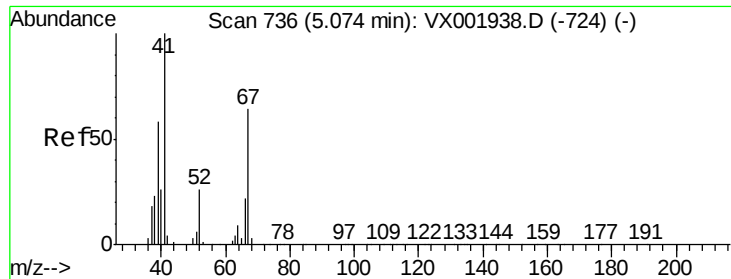
Tot Ion	83	Resp	155378
Ion	Ratio	Lower	Upper
83	100		
55	81.5	67.3	100.9
98	46.2	37.5	56.3



#40
Benzene
Concen: 19.38 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion	78	Resp	349995
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7

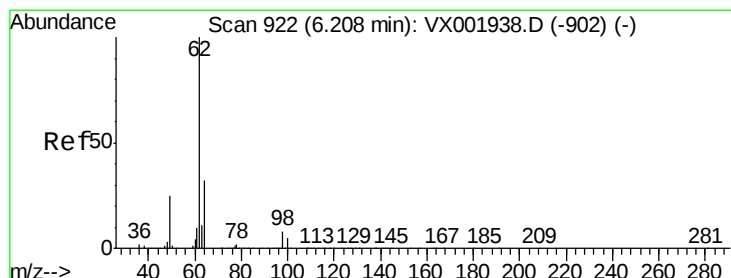
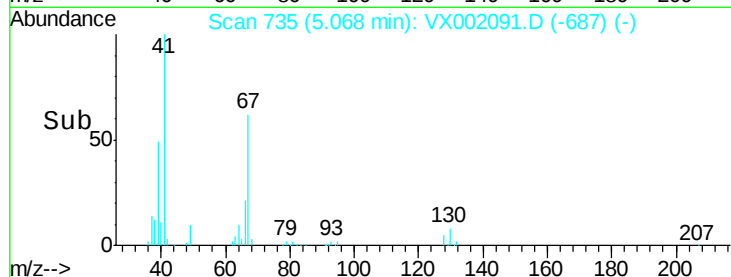
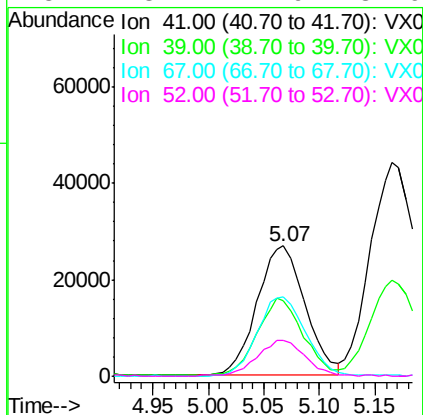
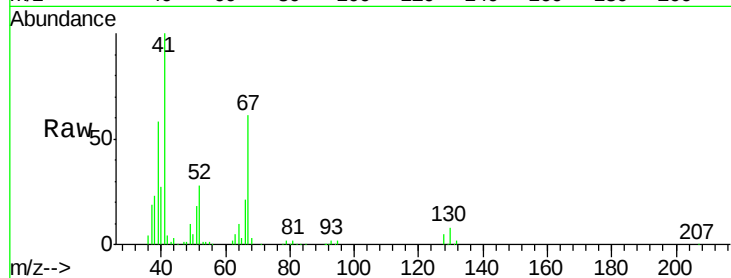




#41
Methacrylonitrile
Concen: 18.12 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

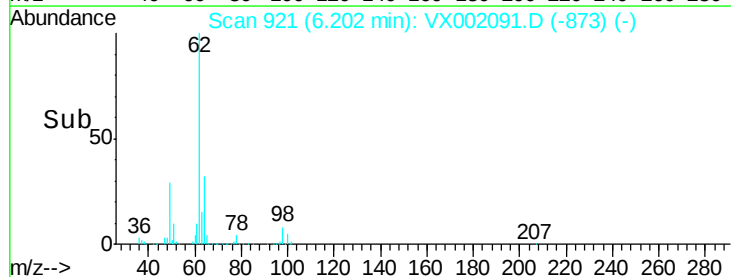
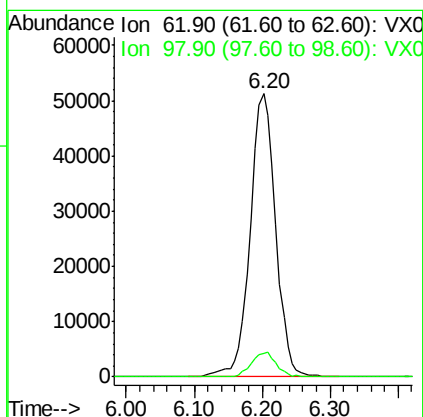
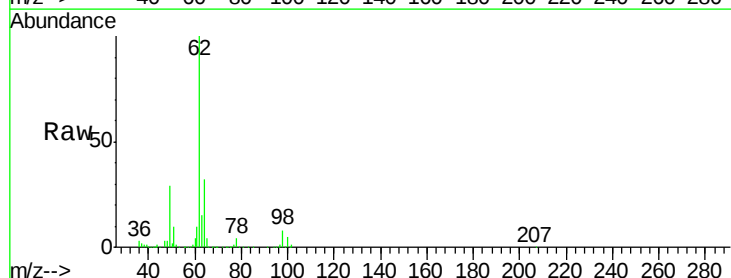
Instrument :
MSVOA_X
ClientSampled :
VX0529WBS01

Tot Ion:	41	Resp:	80507
Ion	Ratio	Lower	Upper
41	100		
39	56.8	46.0	69.0
67	63.3	50.6	75.8
52	28.4	21.9	32.9



#42
1,2-Dichloroethane
Concen: 18.52 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion:	62	Resp:	133569
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



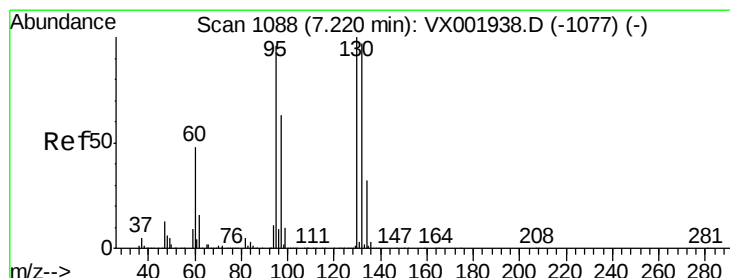
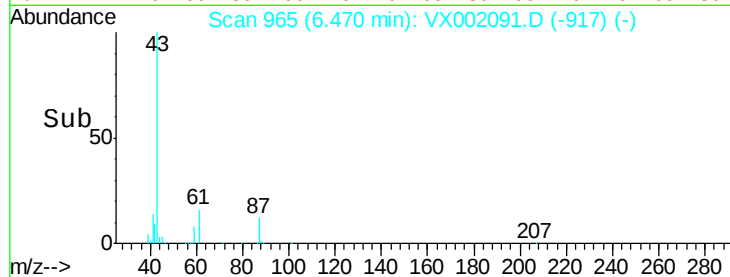
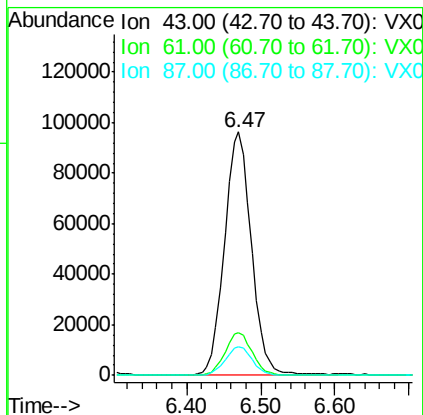
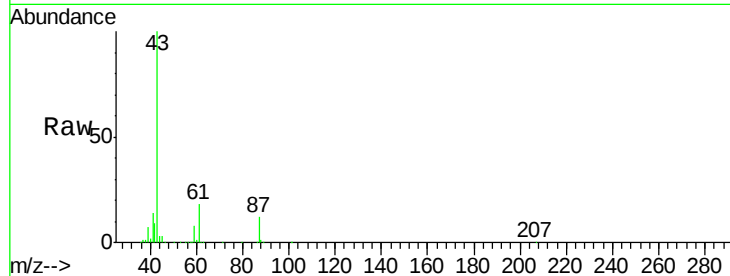


#43

Isopropyl Acetate
 Concen: 17.99 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002091.D
 Acq: 29 May 2018 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBS01

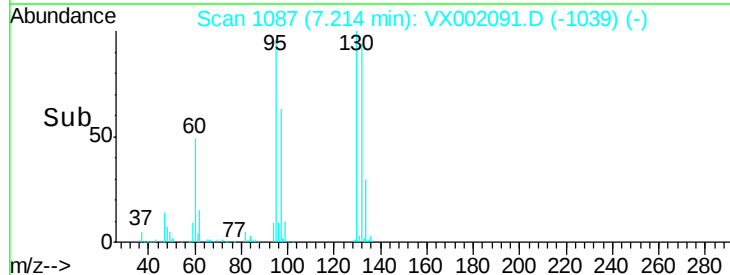
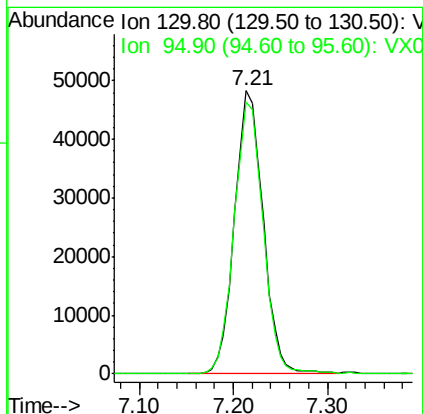
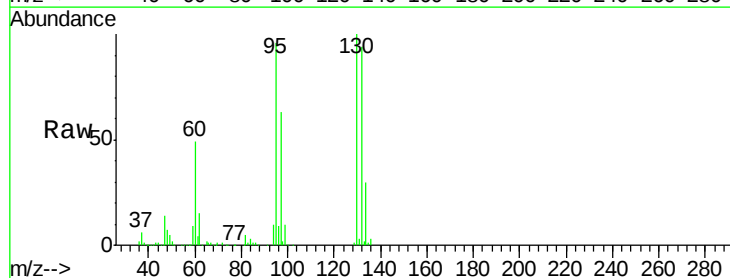
Tot Ion	43	Resp	240883
Ion Ratio	Lower	Upper	
43	100		
61	17.9	14.5	21.7
87	11.9	9.5	14.3



#44

Trichloroethene
 Concen: 19.41 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002091.D
 Acq: 29 May 2018 14:26

Tgt Ion	130	Resp	102122
Ion Ratio	Lower	Upper	
130	100		
95	96.1	0.0	192.0

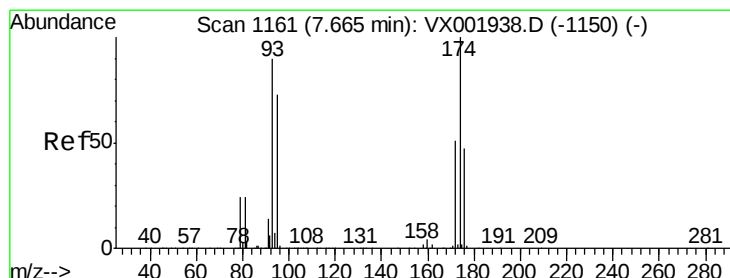
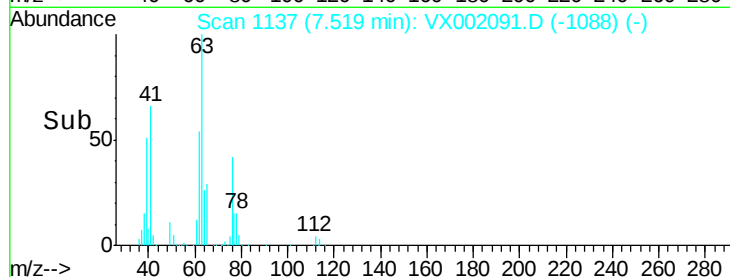
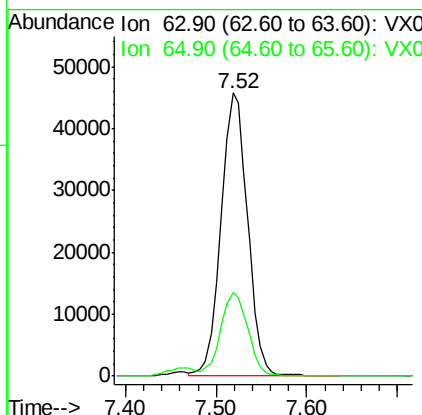
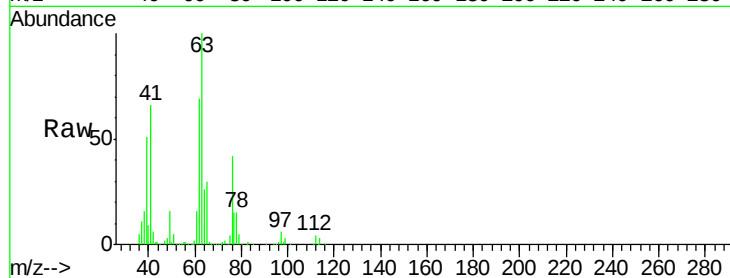




#45
 1,2-Dichloropropane
 Concen: 19.10 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002091.D
 Acq: 29 May 2018 14:26

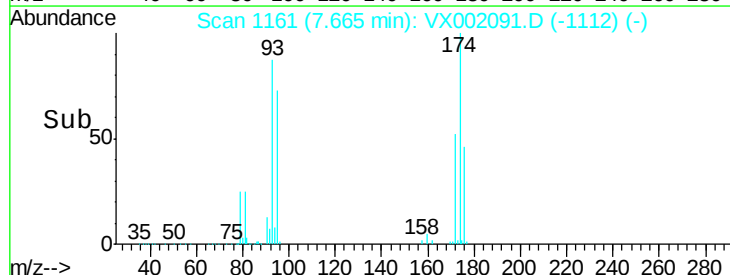
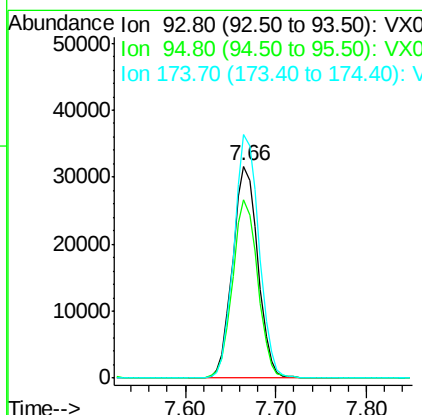
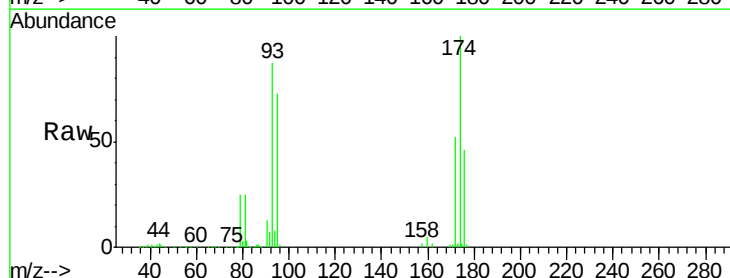
Instrument :
 MSVOA_X
 ClientSampled :
 VX0529WBS01

Tot Ion: 63 Resp: 93658
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.1 36.1



#46
 Dibromomethane
 Concen: 18.87 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002091.D
 Acq: 29 May 2018 14:26

Tgt Ion: 93 Resp: 61267
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.1 99.1
 174 114.0 92.5 138.7





#47

Bromodichloromethane

Concen: 17.48 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

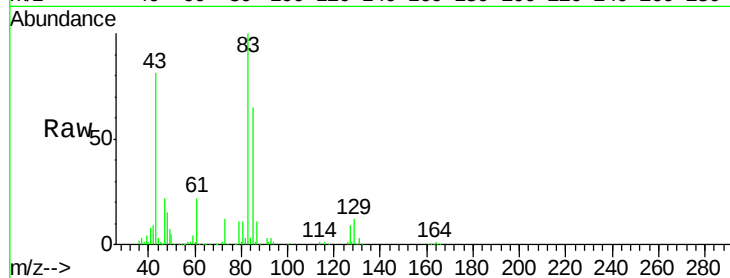
Tot Ion: 83 Resp: 121005

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.2

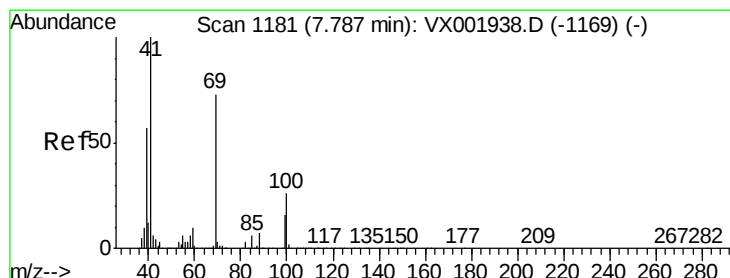
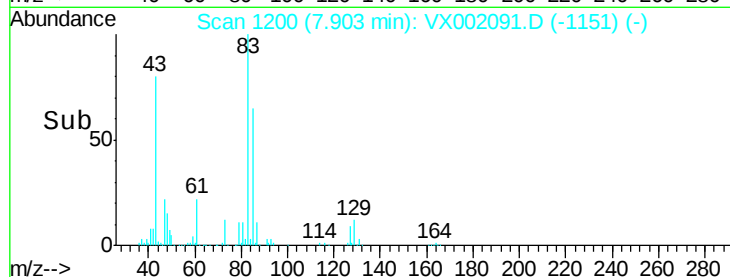
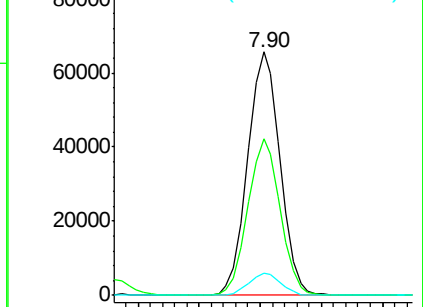
127 9.3 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.17 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

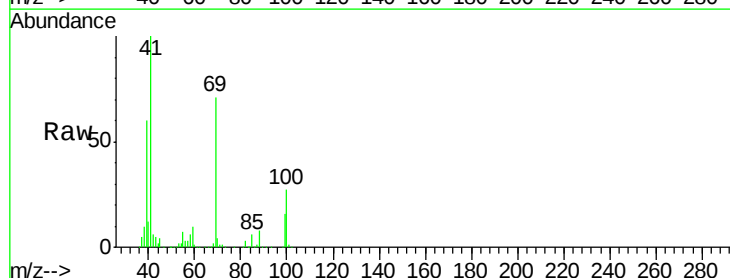
Tgt Ion: 41 Resp: 123790

Ion Ratio Lower Upper

41 100

69 71.3 58.6 87.8

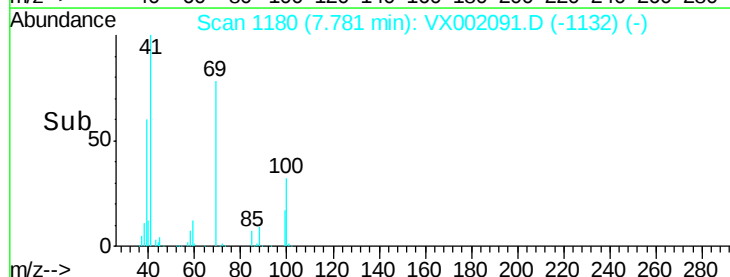
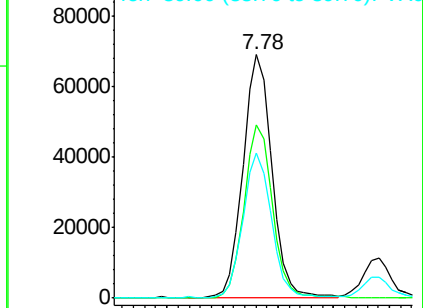
39 59.2 46.3 69.5

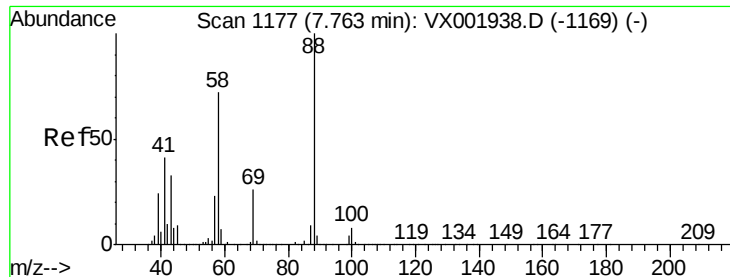


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 353.60 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

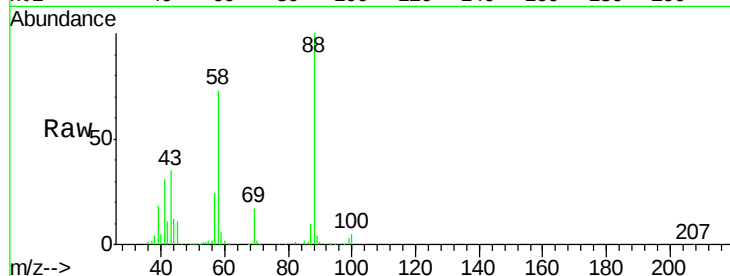
Tot Ion: 88 Resp: 42462

Ion Ratio Lower Upper

88 100

43 41.2 29.8 44.8

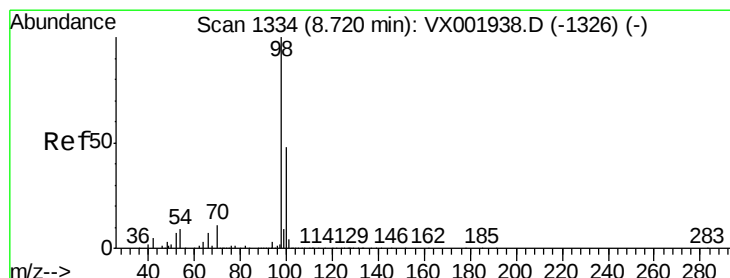
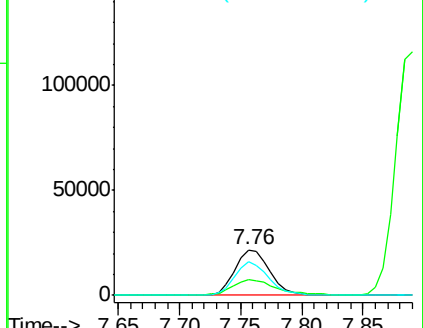
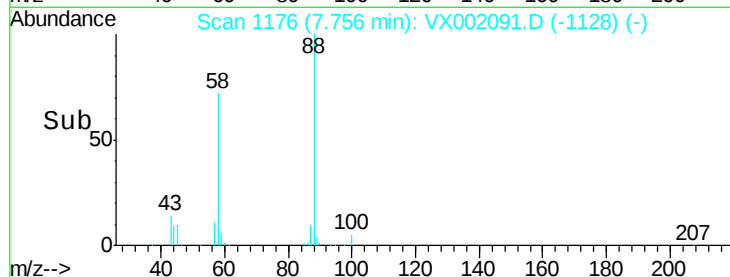
58 72.7 58.7 88.1



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: 45.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002091.D

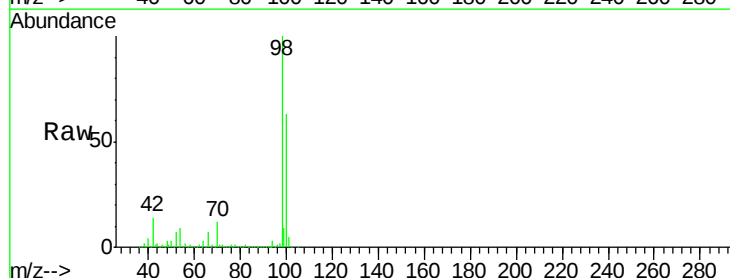
Acq: 29 May 2018 14:26

Tgt Ion: 98 Resp: 731419

Ion Ratio Lower Upper

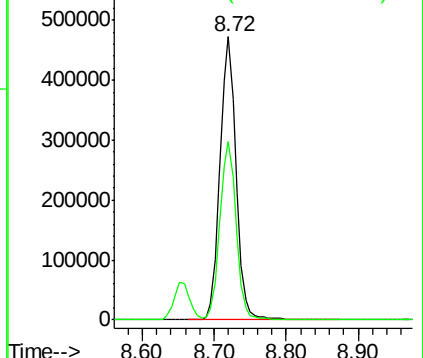
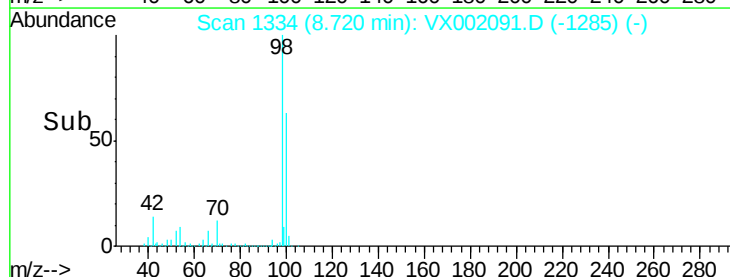
98 100

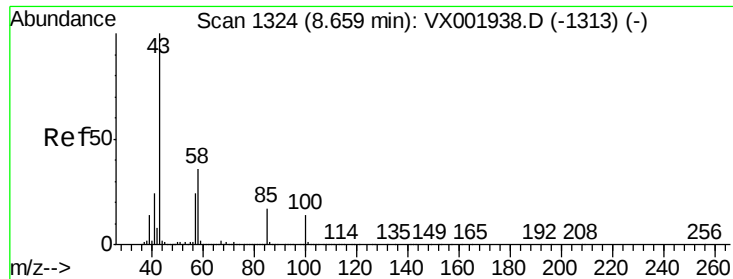
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

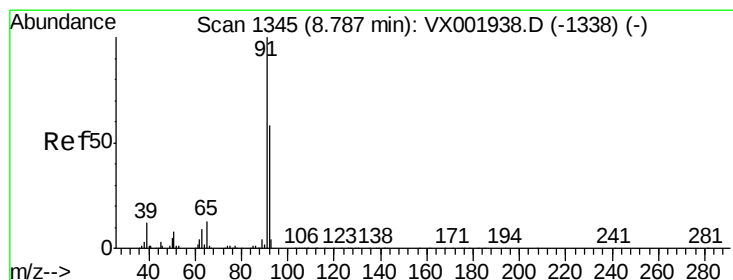
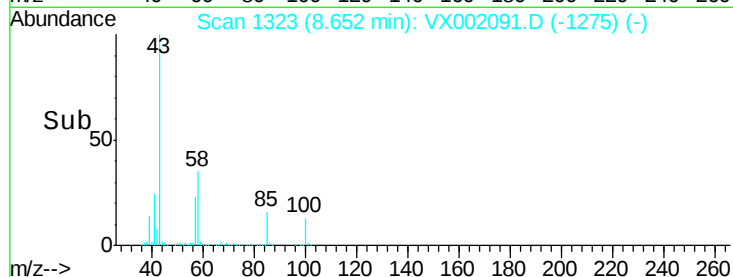
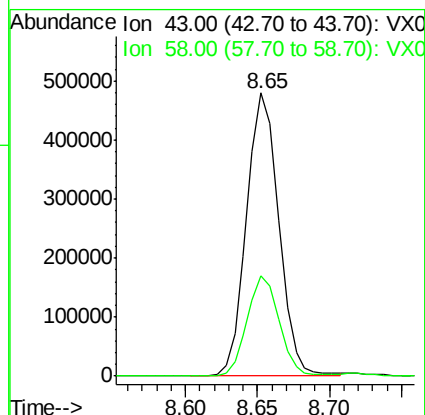
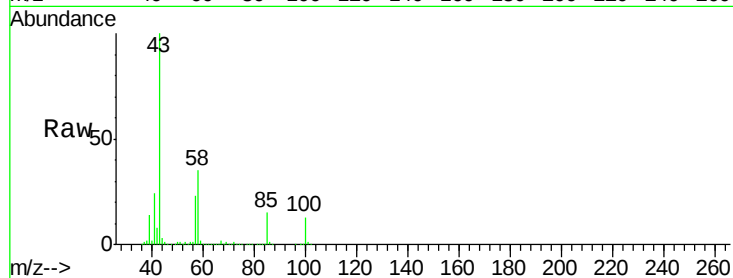




#51
4-Methyl-2-Pentanone
Concen: 92.29 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

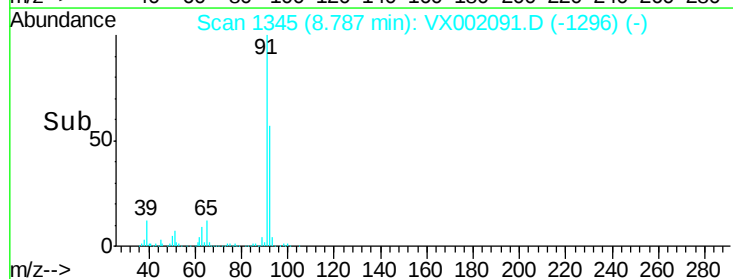
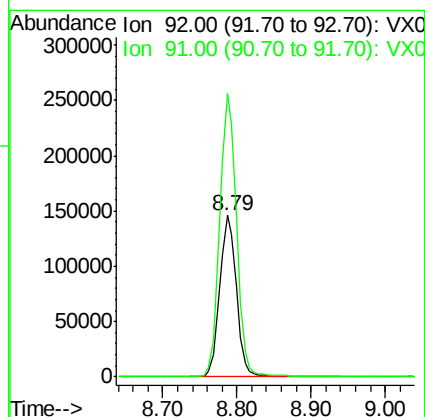
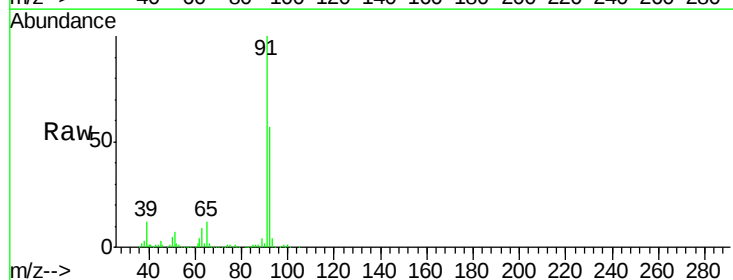
Instrument :
MSVOA_X
ClientSampled :
VX0529WBS01

Tot Ion: 43 Resp: 744853
Ion Ratio Lower Upper
43 100
58 35.0 28.5 42.7



#52
Toluene
Concen: 19.62 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion: 92 Resp: 225462
Ion Ratio Lower Upper
92 100
91 176.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 18.54 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampled :

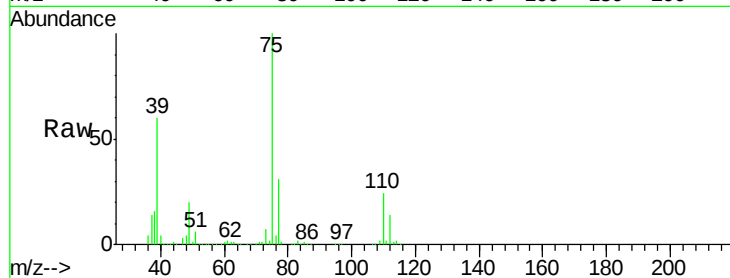
VX0529WBS01

Tot Ion: 75 Resp: 147821

Ion Ratio Lower Upper

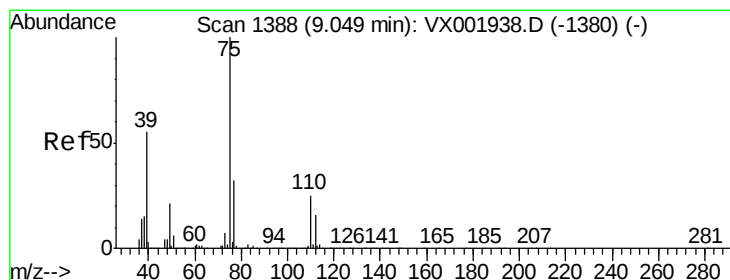
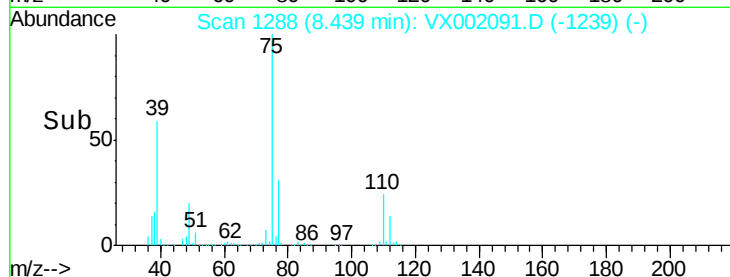
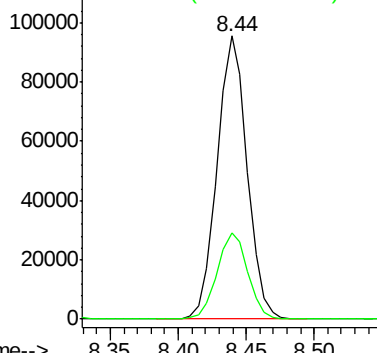
75 100

77 30.6 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.33 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

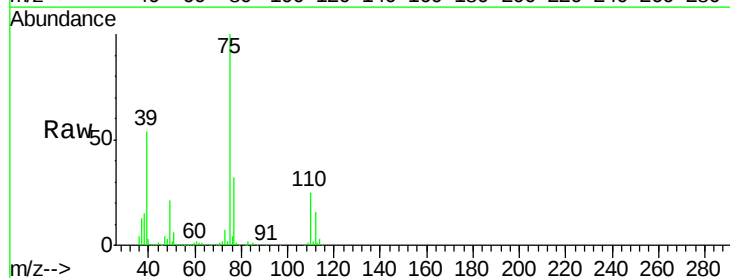
Tgt Ion: 75 Resp: 142404

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

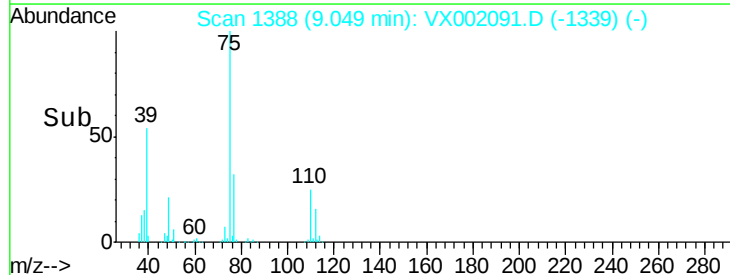
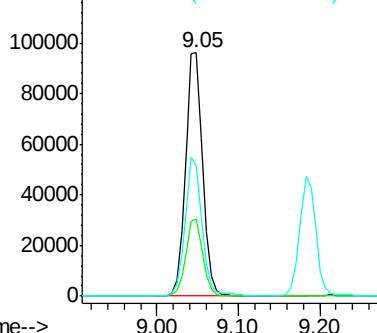
39 53.8 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 18.84 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

Tot Ion: 97 Resp: 90456

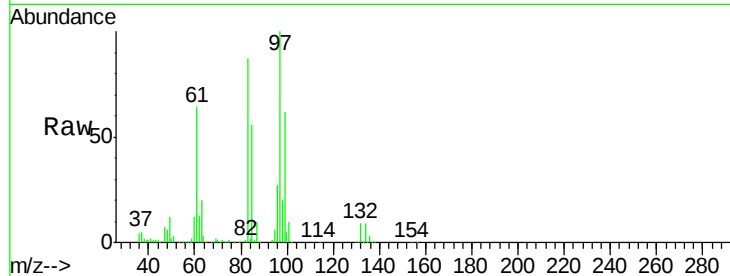
Ion Ratio Lower Upper

97 100

83 86.8 69.1 103.7

85 56.3 45.2 67.8

99 62.3 49.6 74.4

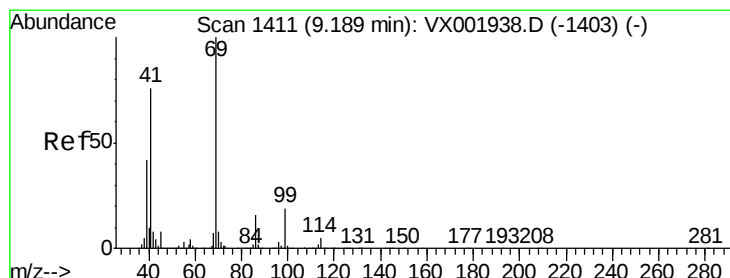
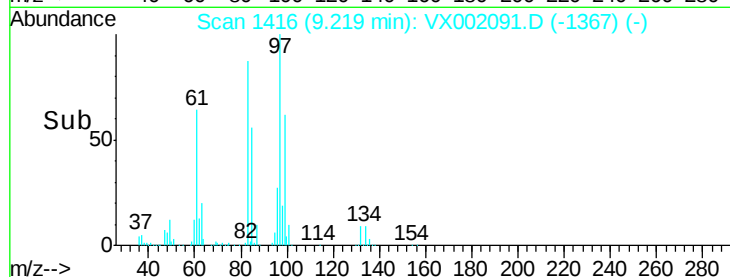
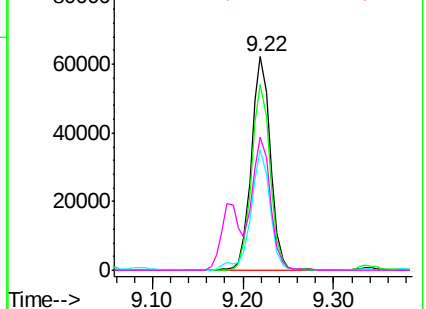


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 17.91 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

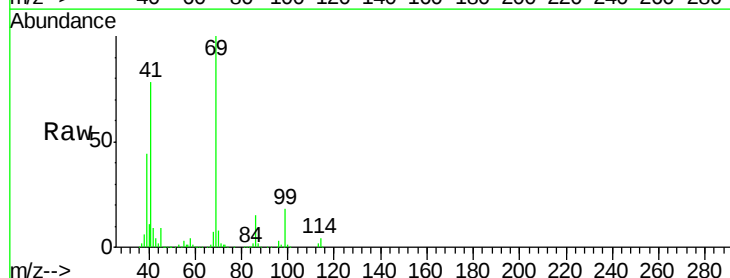
Tgt Ion: 69 Resp: 147873

Ion Ratio Lower Upper

69 100

41 77.0 61.0 91.6

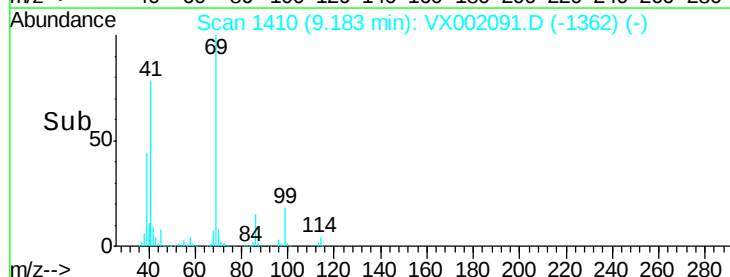
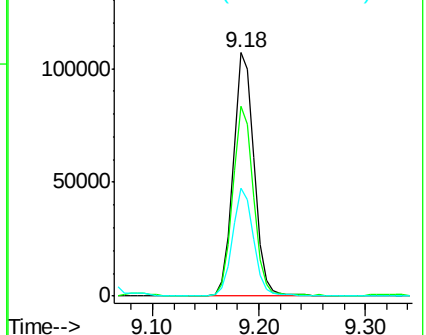
39 44.0 34.4 51.6

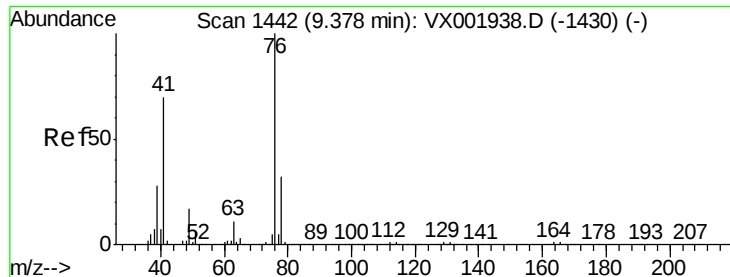


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.31 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

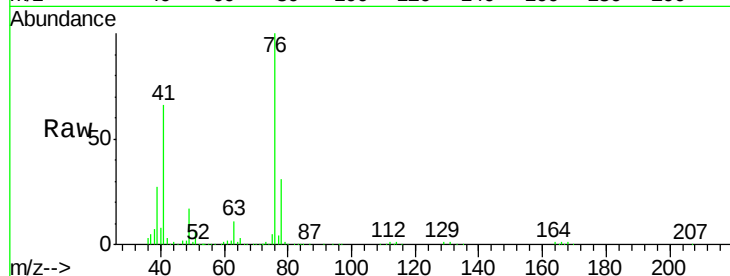
VX0529WBS01

Tot Ion: 76 Resp: 152729

Ion Ratio Lower Upper

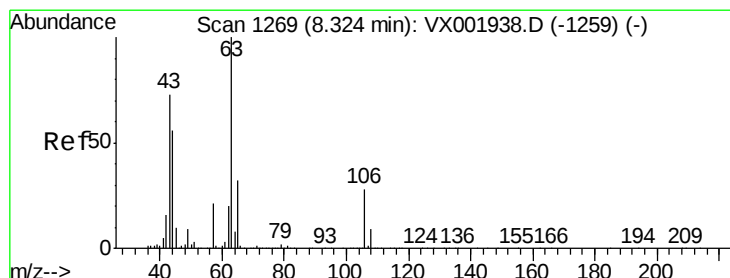
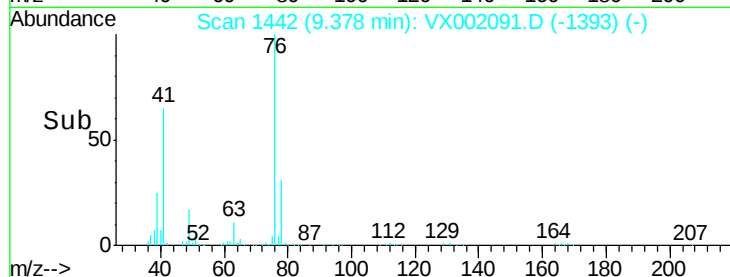
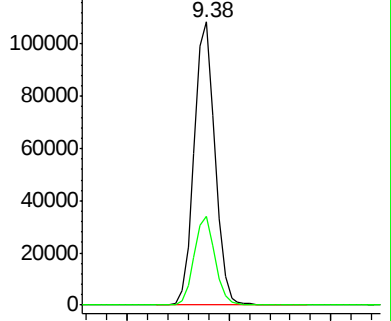
76 100

78 31.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 100.53 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002091.D

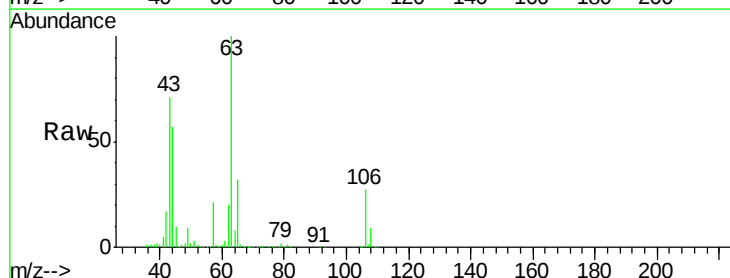
Acq: 29 May 2018 14:26

Tgt Ion: 63 Resp: 367938

Ion Ratio Lower Upper

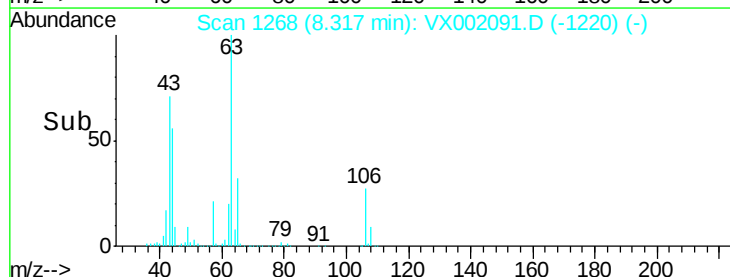
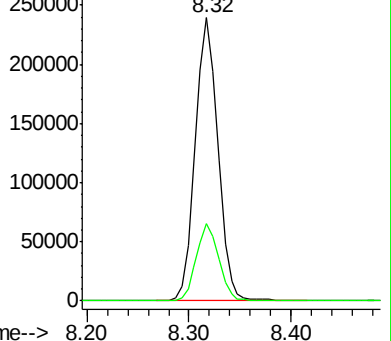
63 100

106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

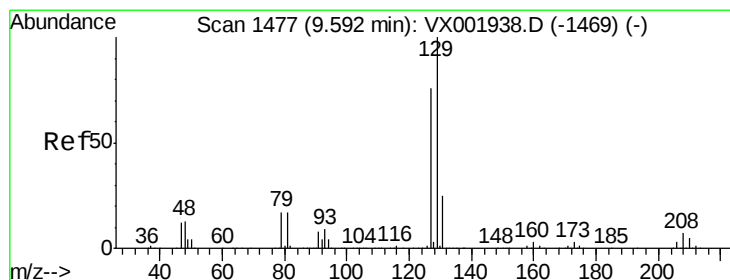
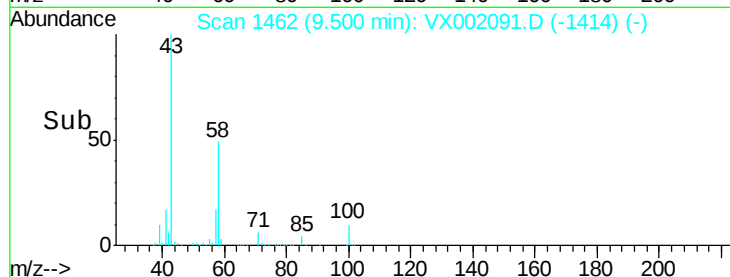
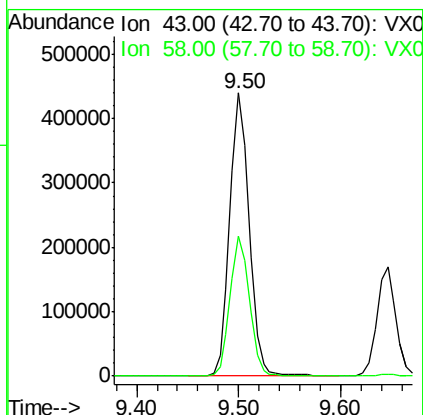
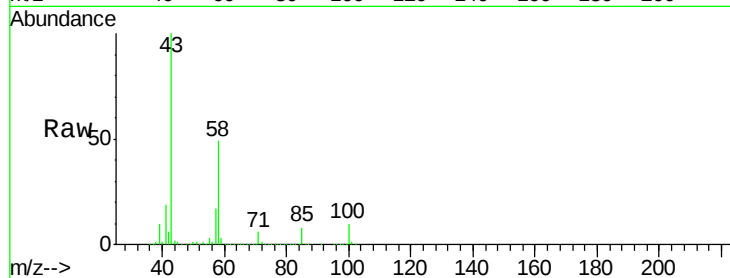




#59
2-Hexanone
Concen: 92.88 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

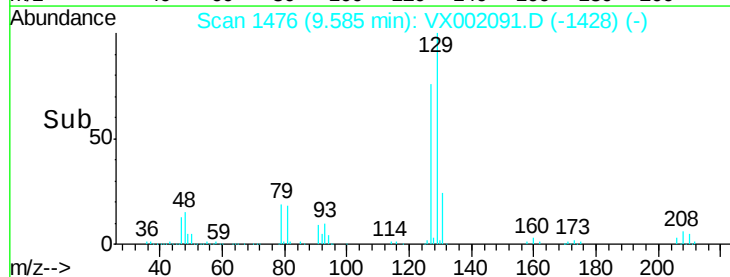
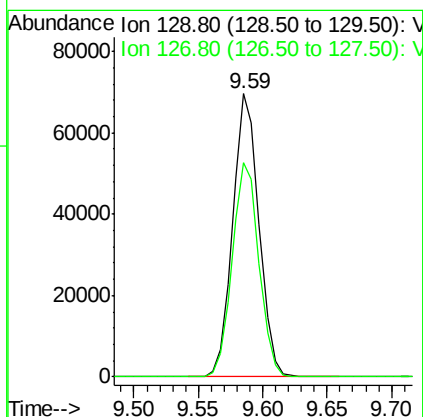
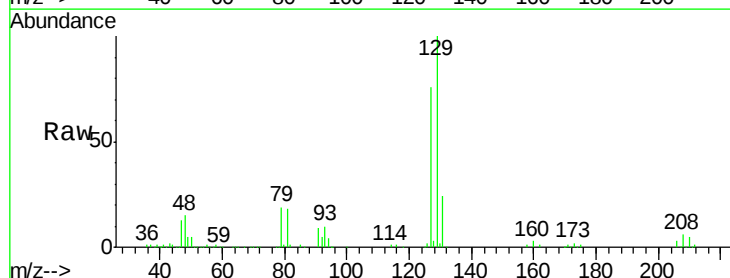
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

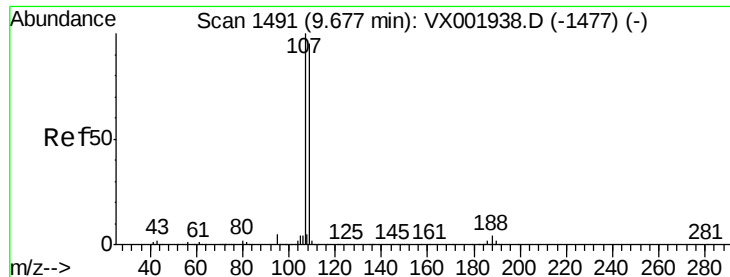
Tot Ion: 43 Resp: 578040
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.6



#60
Dibromochloromethane
Concen: 17.37 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion: 129 Resp: 98753
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.05 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

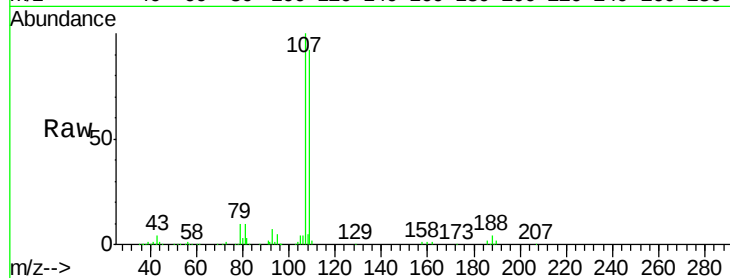
VX0529WBS01

Tot Ion:107 Resp: 95966

Ion Ratio Lower Upper

107 100

109 93.6 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

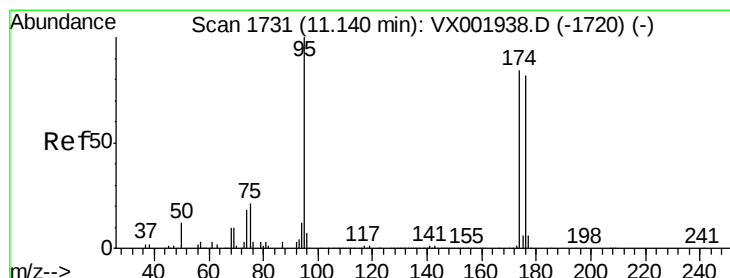
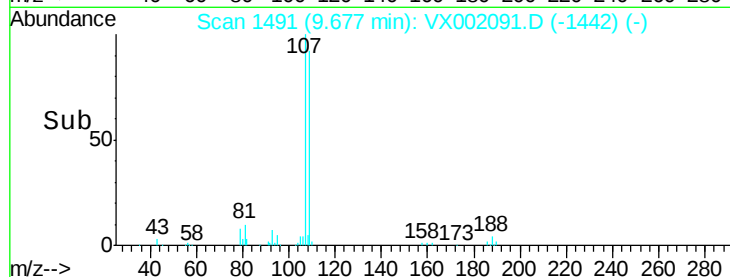
60000

40000

20000

0

Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 45.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

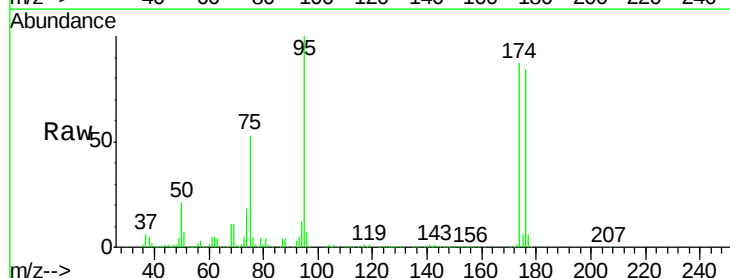
Tgt Ion: 95 Resp: 286693

Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.8

176 89.2 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

300000

250000

200000

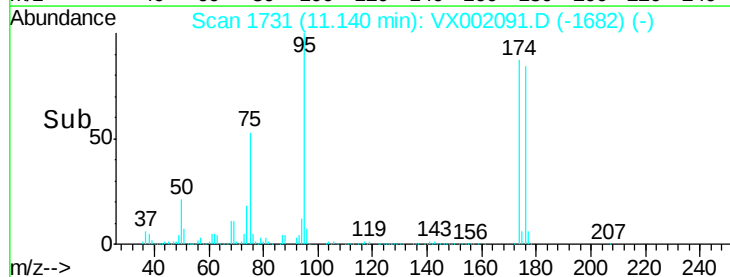
150000

100000

50000

0

Time--> 11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

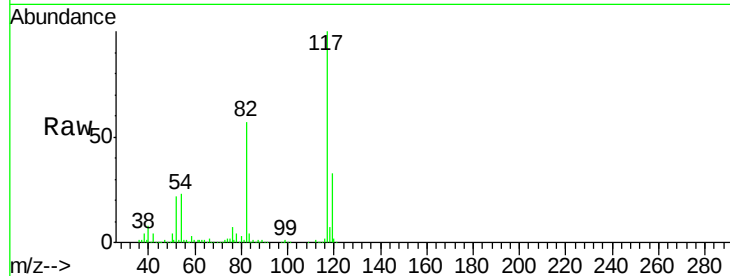
Tot Ion:117 Resp: 408102

Ion Ratio Lower Upper

117 100

82 56.9 44.8 67.2

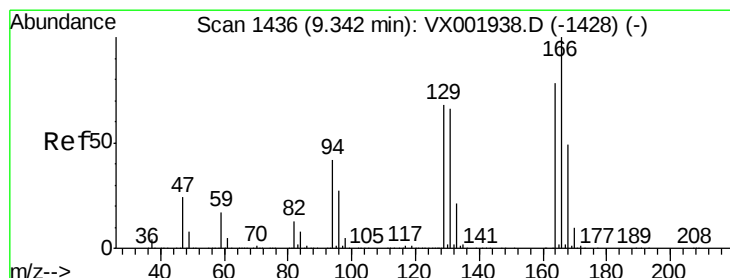
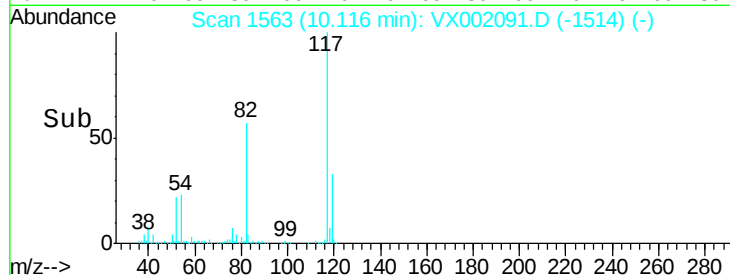
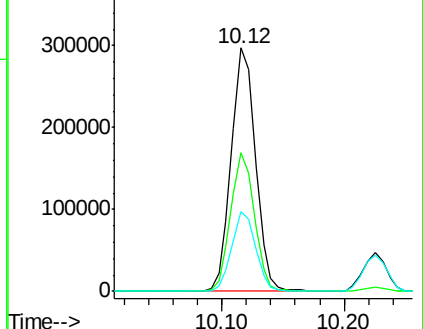
119 32.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.41 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Tgt Ion:164 Resp: 119426

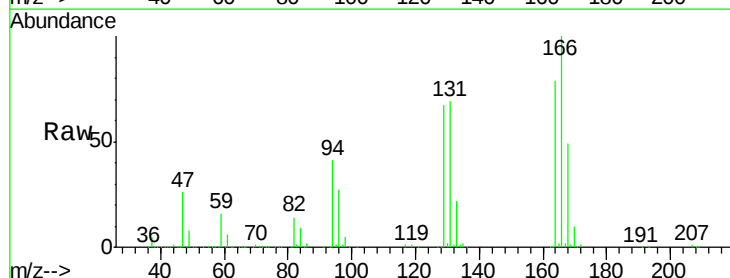
Ion Ratio Lower Upper

164 100

166 125.8 102.7 154.1

129 84.8 70.3 105.5

131 87.3 68.2 102.4

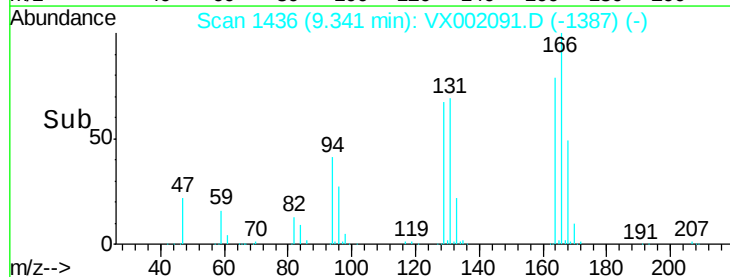
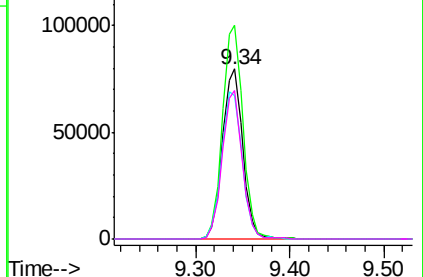


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.56 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

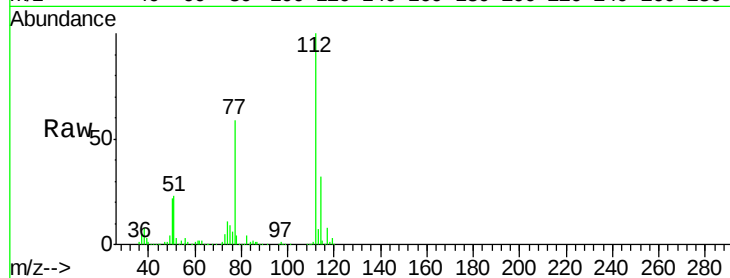
VX0529WBS01

Tot Ion:112 Resp: 252945

Ion Ratio Lower Upper

112 100

114 32.4 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

200000

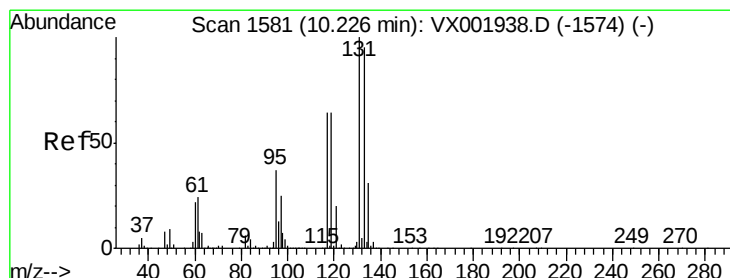
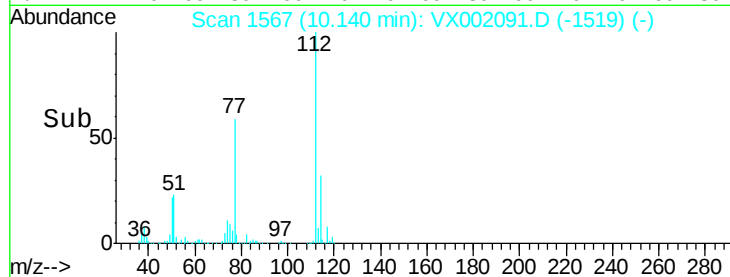
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.03 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

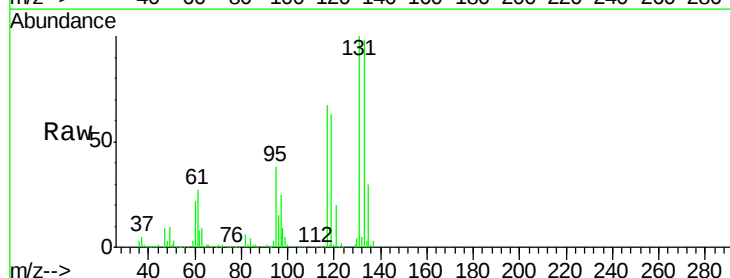
Tgt Ion:131 Resp: 94132

Ion Ratio Lower Upper

131 100

133 97.2 48.0 144.0

119 64.4 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

80000

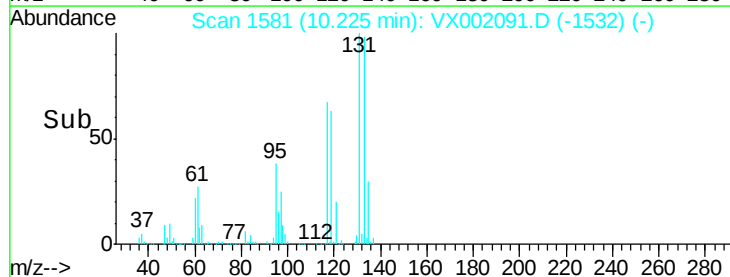
60000

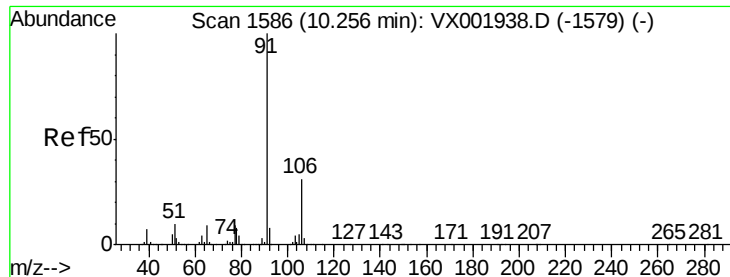
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.85 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

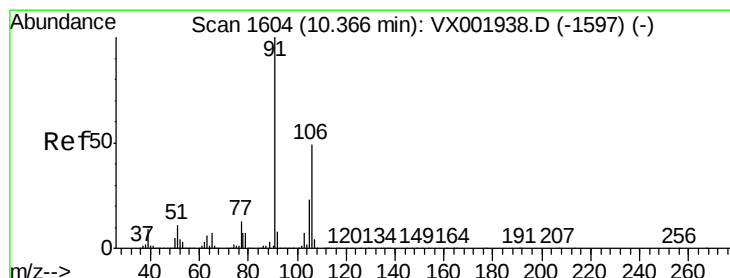
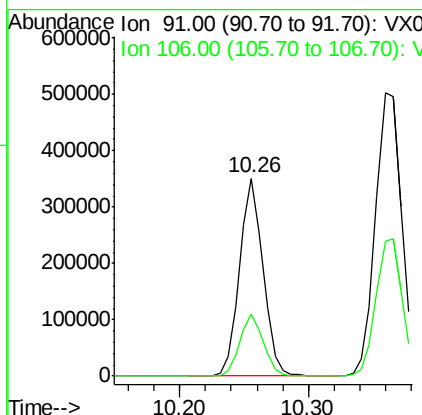
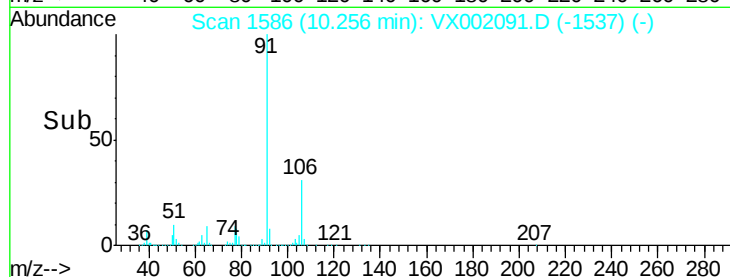
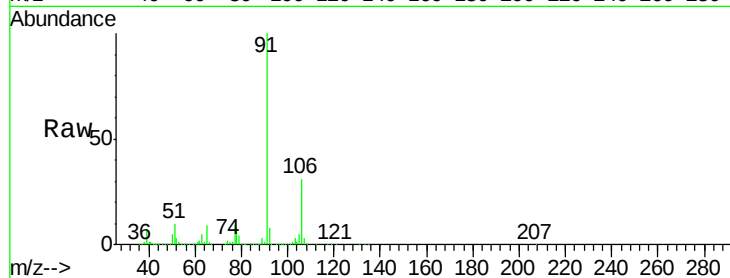
VX0529WBS01

Tot Ion: 91 Resp: 445879

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.6



#68

m/p-Xylenes

Concen: 40.19 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002091.D

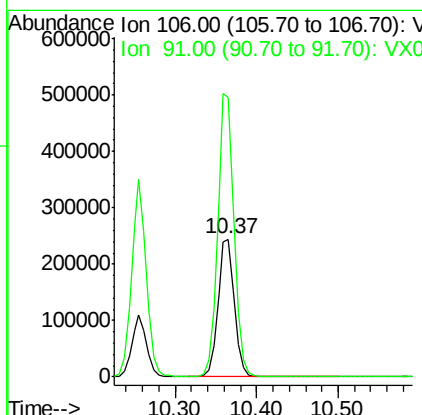
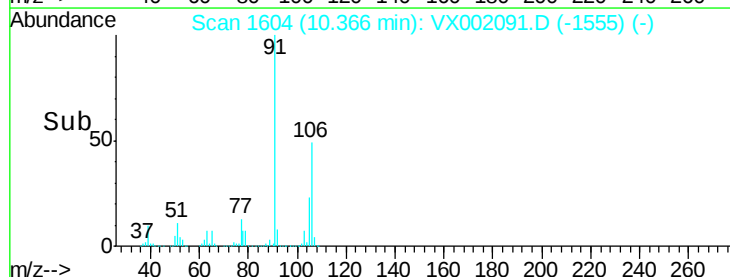
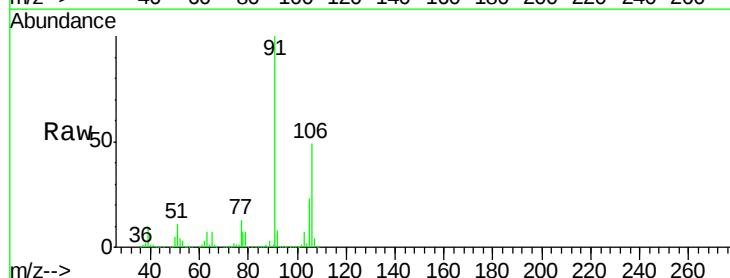
Acq: 29 May 2018 14:26

Tgt Ion: 106 Resp: 345125

Ion Ratio Lower Upper

106 100

91 205.8 165.0 247.6

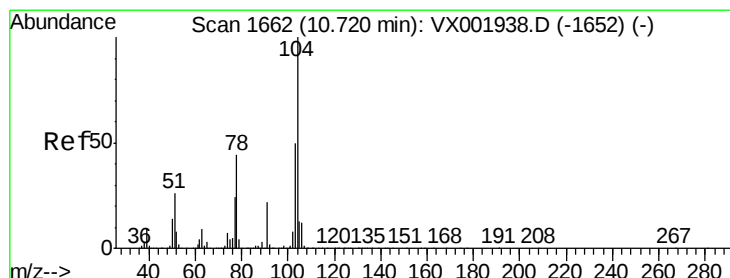
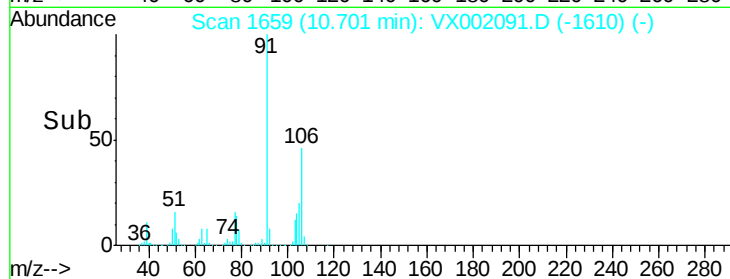
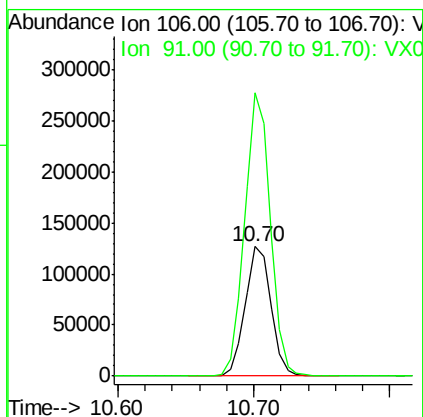
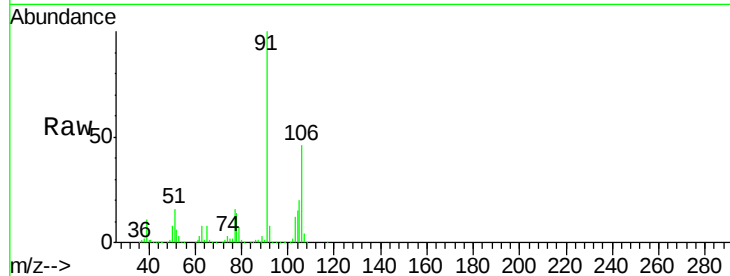




#69
o-Xylene
Concen: 19.74 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

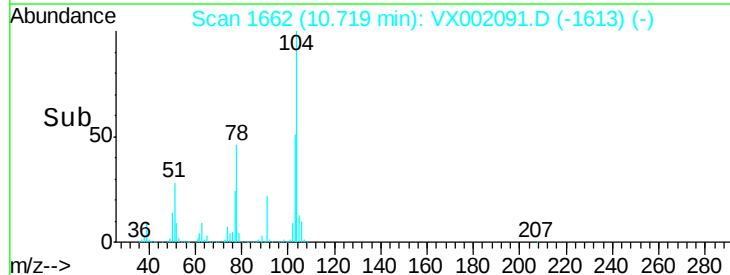
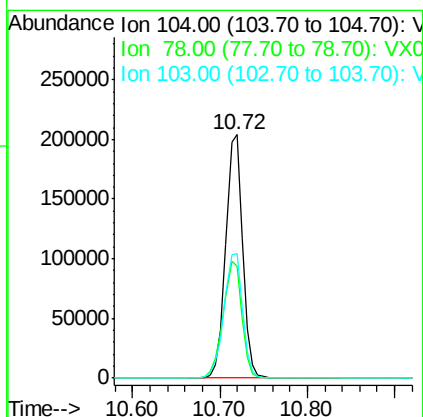
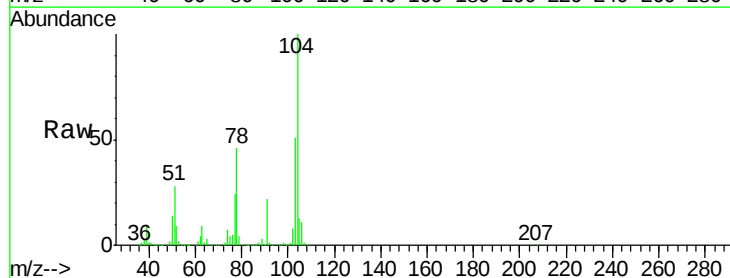
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

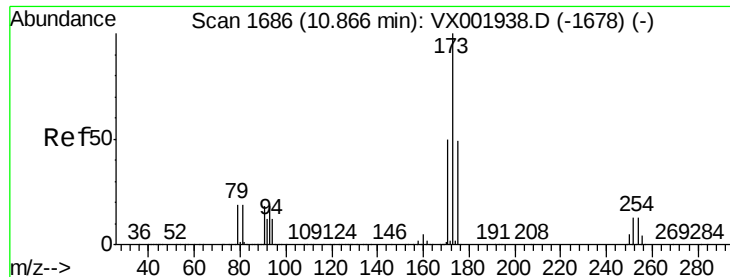
Tot Ion:106 Resp: 169277
Ion Ratio Lower Upper
106 100
91 216.1 108.7 325.9



#70
Styrene
Concen: 19.19 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion:104 Resp: 272917
Ion Ratio Lower Upper
104 100
78 53.1 41.8 62.6
103 56.6 44.6 67.0





#71

Bromoform

Concen: 15.87 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

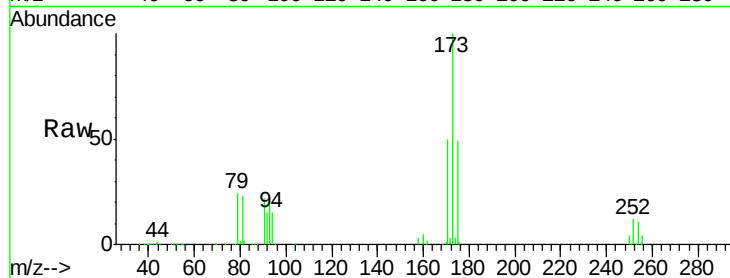
Tot Ion:173 Resp: 78579

Ion Ratio Lower Upper

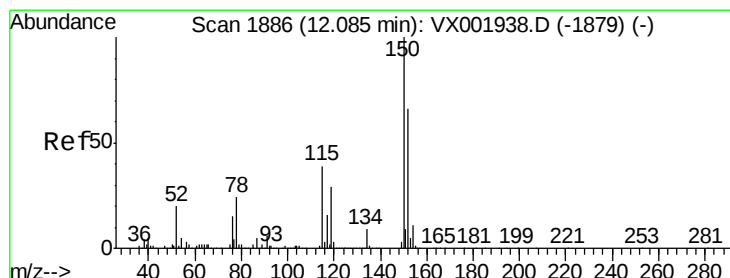
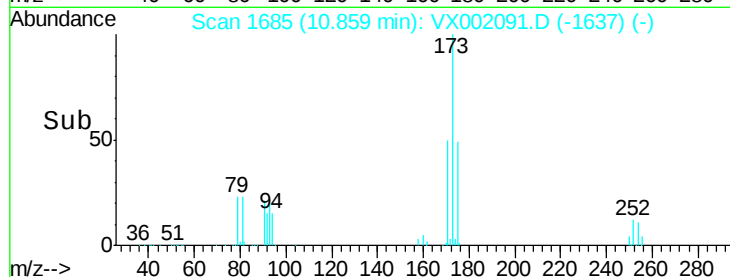
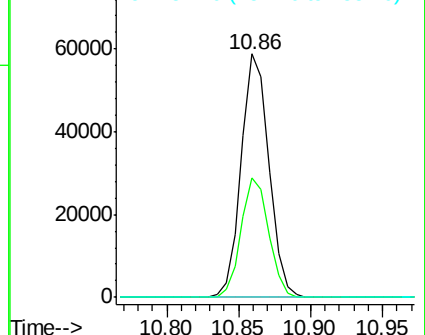
173 100

175 49.3 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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

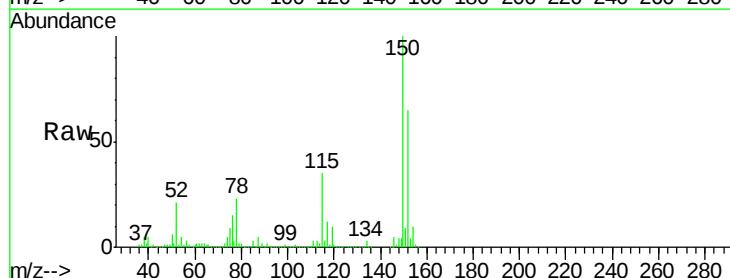
Tgt Ion:152 Resp: 275805

Ion Ratio Lower Upper

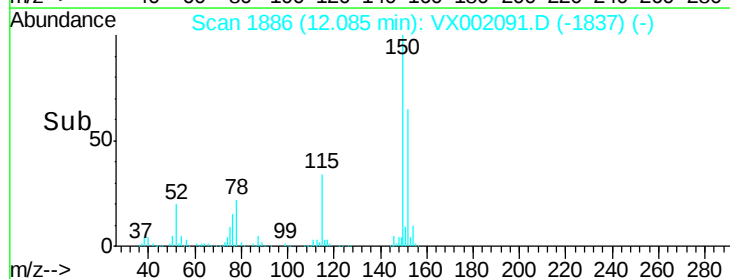
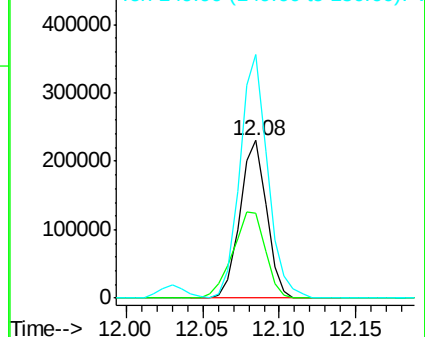
152 100

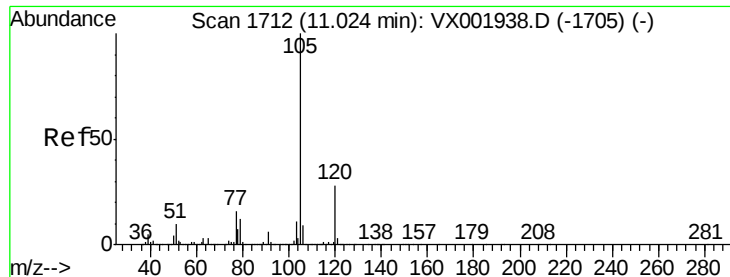
115 67.3 42.3 126.8

150 162.0 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: 19.68 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

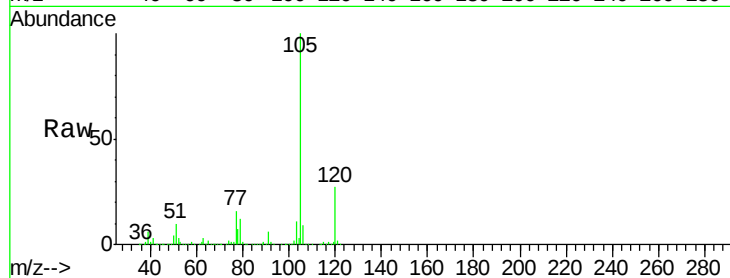
VX0529WBS01

Tot Ion:105 Resp: 459712

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

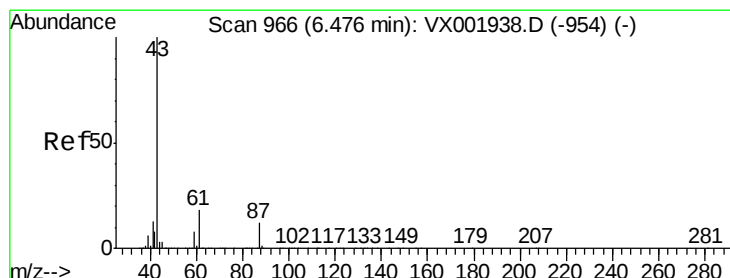
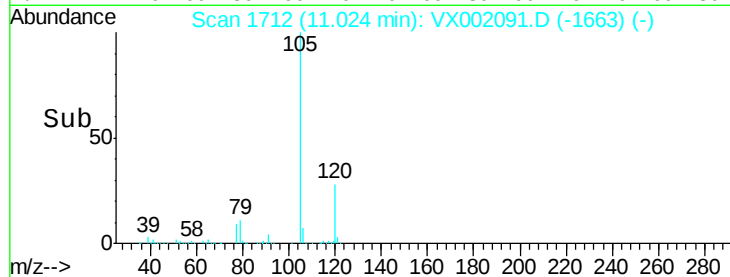
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.85 ug/l

RT: 6.47 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Tgt Ion: 43 Resp: 240883

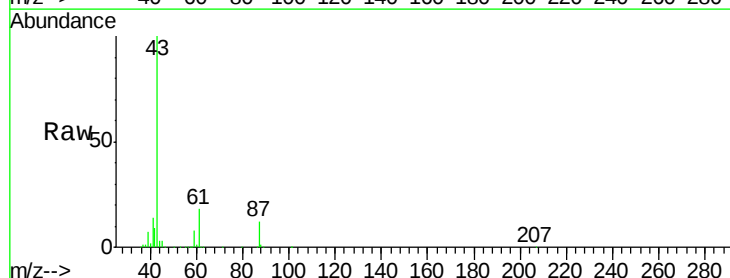
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 17.9 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

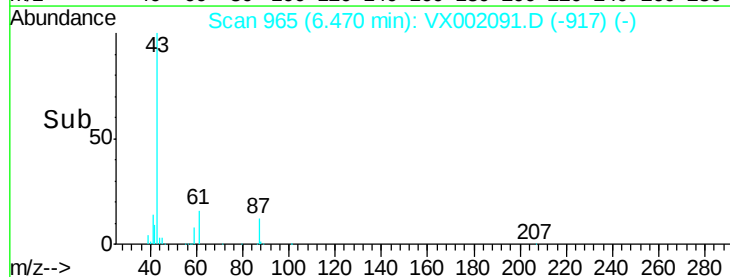
150000

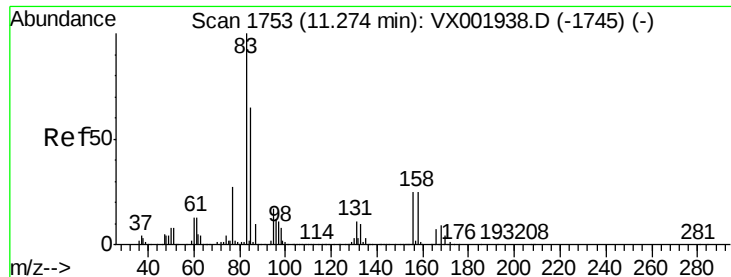
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.17 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampled :

VX0529WBS01

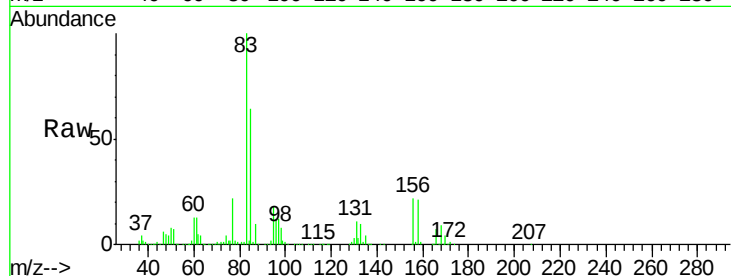
Tot Ion: 83 Resp: 127451

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.0

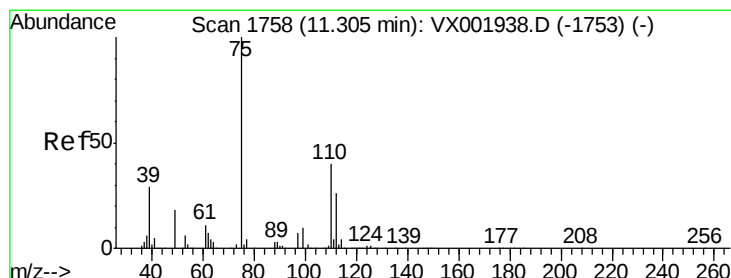
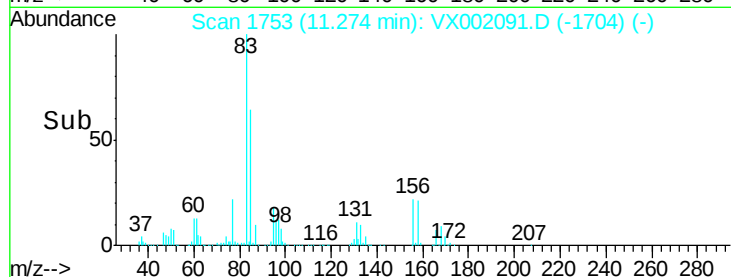
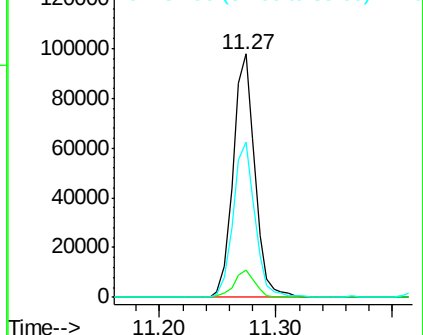
85 63.9 32.6 97.7



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: 25.36 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX002091.D

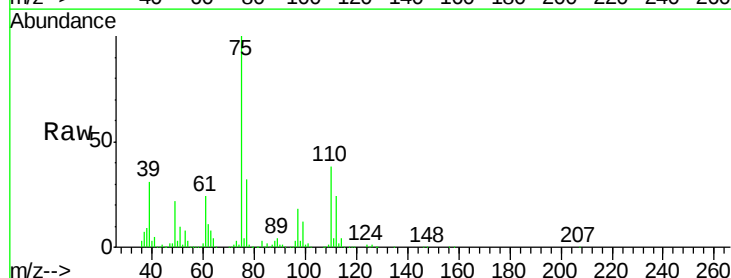
Acq: 29 May 2018 14:26

Tgt Ion: 75 Resp: 167984

Ion Ratio Lower Upper

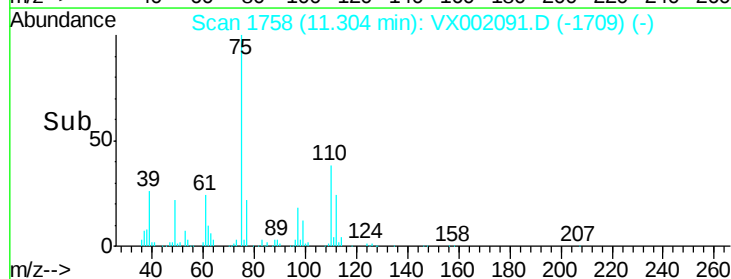
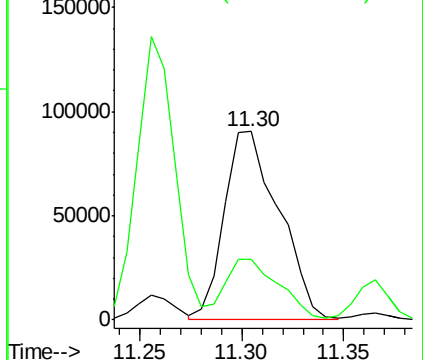
75 100

77 32.1 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: 19.34 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

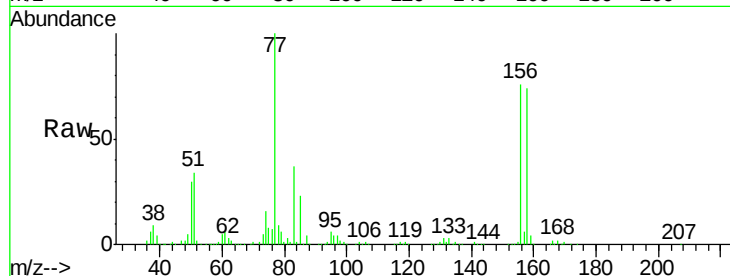
Tot Ion:156 Resp: 119839

Ion Ratio Lower Upper

156 100

77 145.1 75.2 225.6

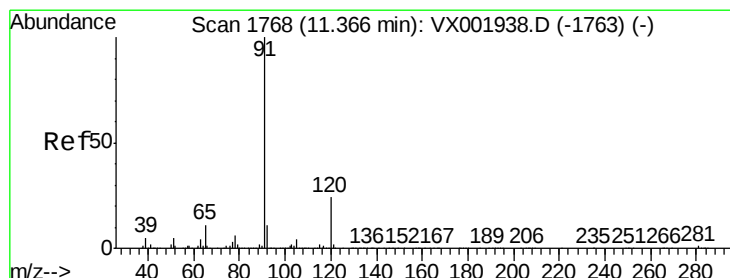
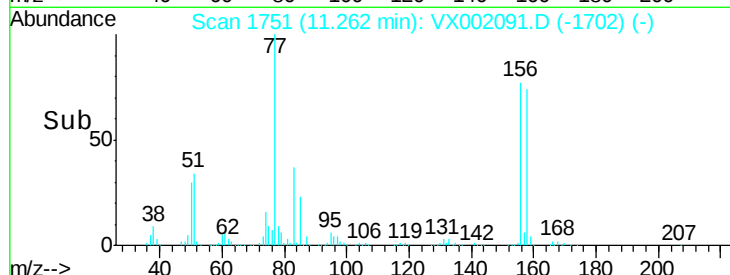
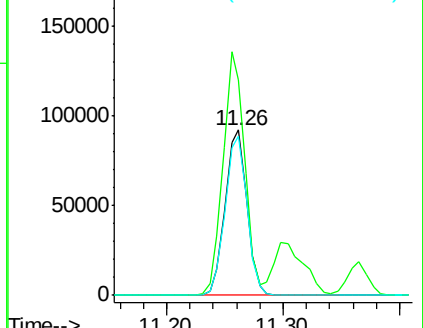
158 96.9 48.6 145.8



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: 20.14 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002091.D

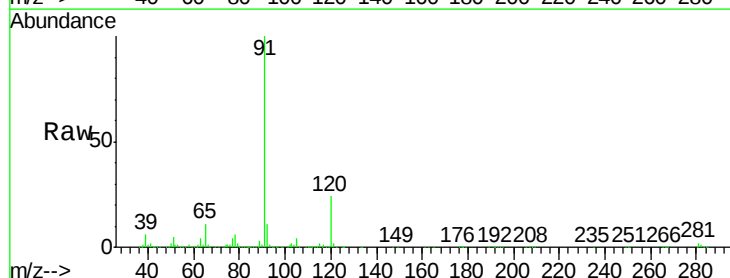
Acq: 29 May 2018 14:26

Tgt Ion: 91 Resp: 526716

Ion Ratio Lower Upper

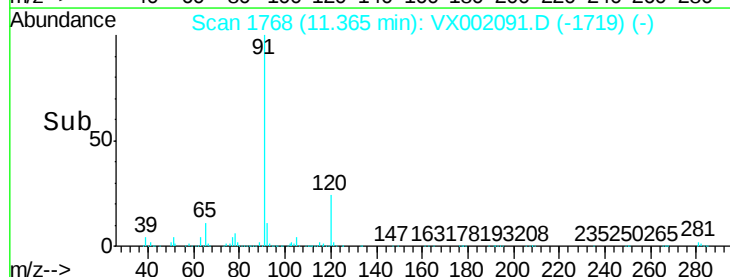
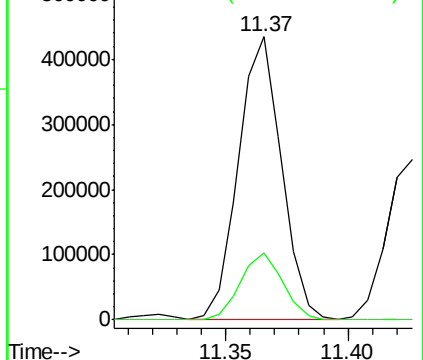
91 100

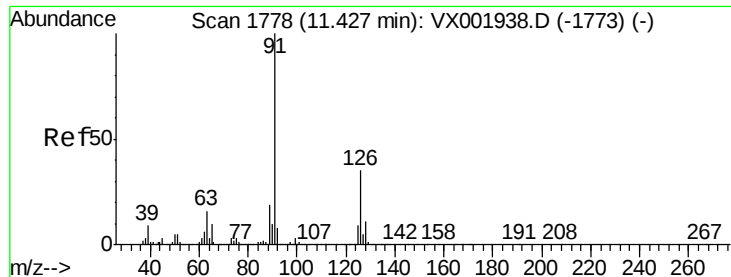
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.22 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

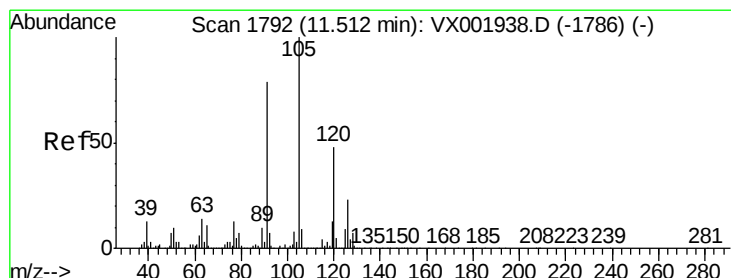
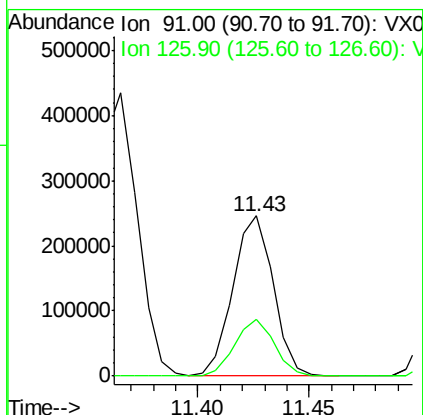
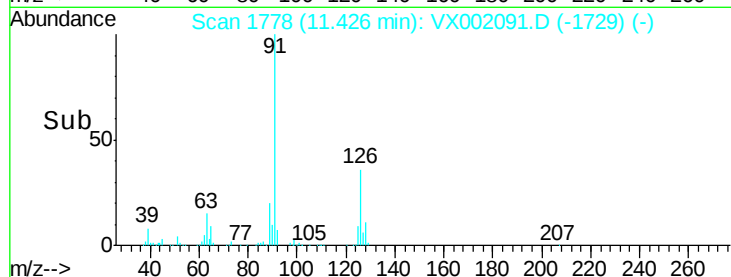
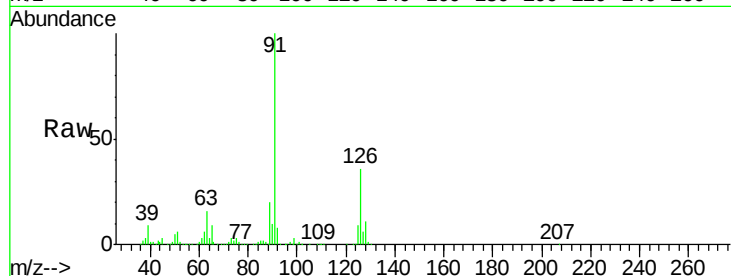
VX0529WBS01

Tot Ion: 91 Resp: 309789

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 19.57 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002091.D

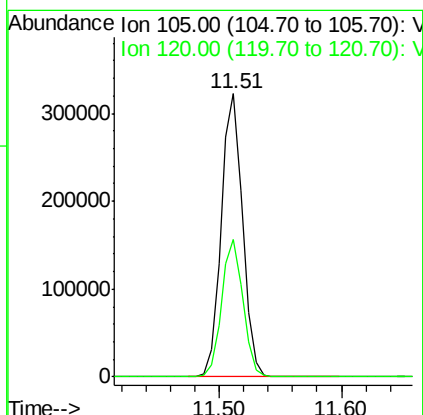
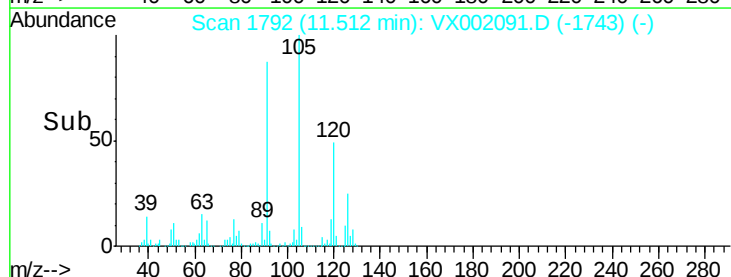
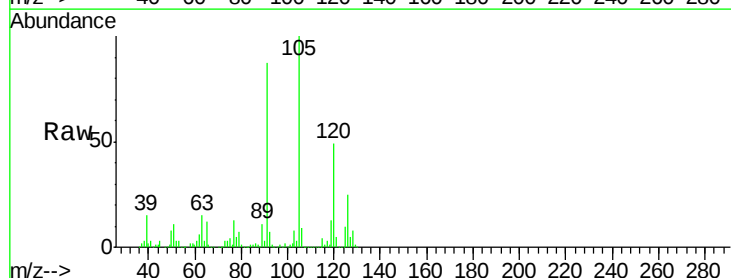
Acq: 29 May 2018 14:26

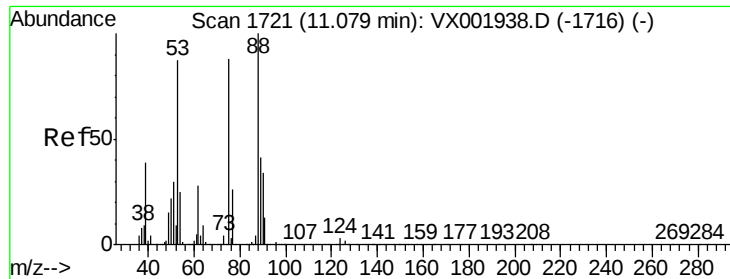
Tgt Ion: 105 Resp: 390555

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.21 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

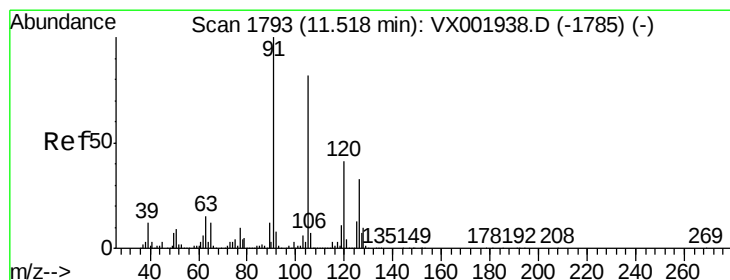
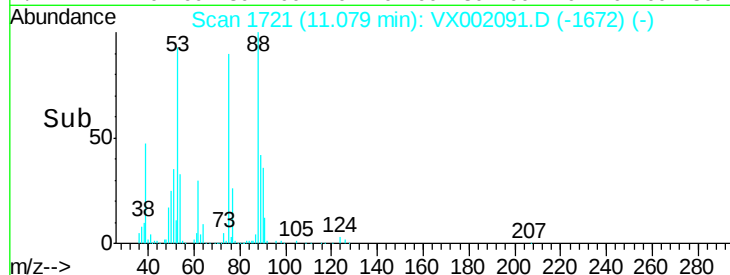
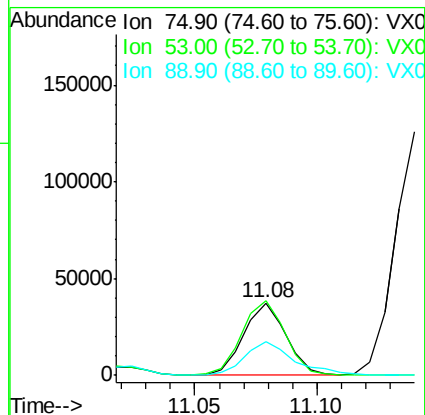
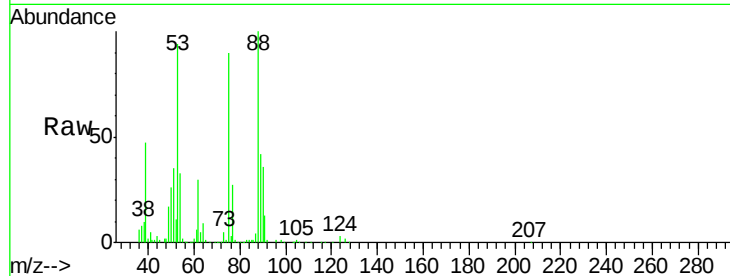
Tot Ion: 75 Resp: 44685

Ion Ratio Lower Upper

75 100

53 106.2 78.0 117.0

89 55.7 39.4 59.2



#82

4-Chlorotoluene

Concen: 19.78 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX002091.D

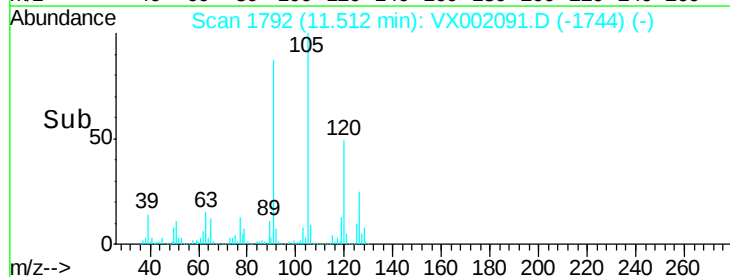
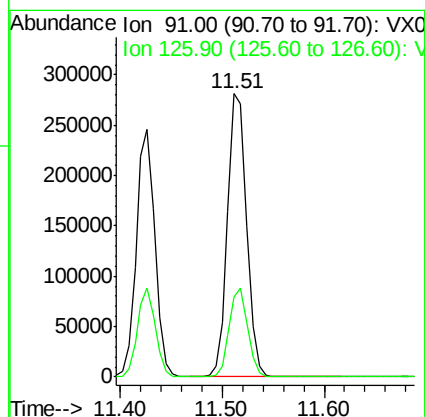
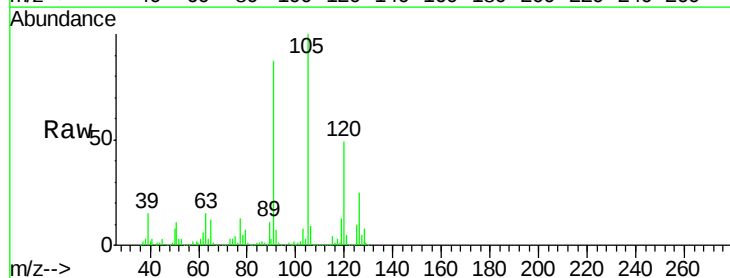
Acq: 29 May 2018 14:26

Tgt Ion: 91 Resp: 364917

Ion Ratio Lower Upper

91 100

126 30.1 15.3 45.8





#83

tert-Butylbenzene

Concen: 19.35 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

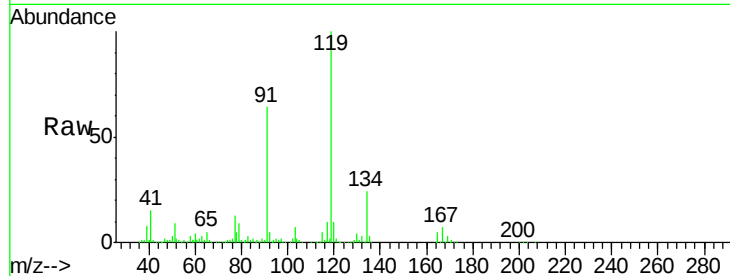
Tot Ion:119 Resp: 379079

Ion Ratio Lower Upper

119 100

91 61.5 30.6 91.8

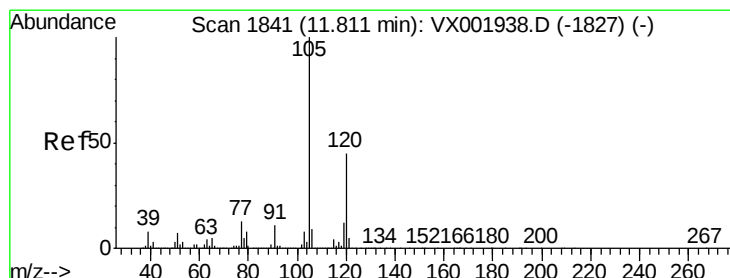
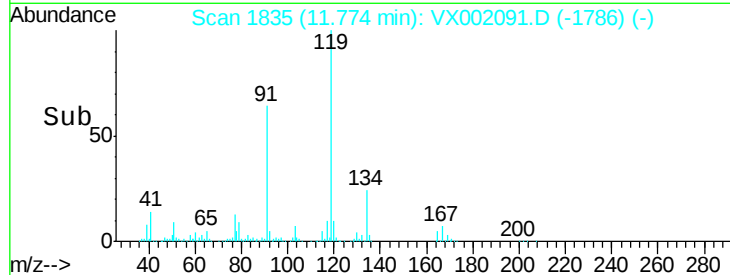
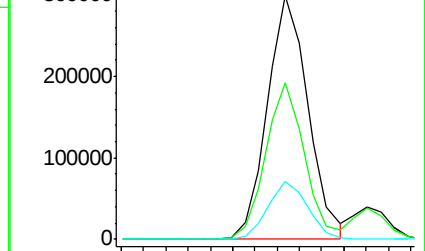
134 23.4 11.7 35.0



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: 19.37 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002091.D

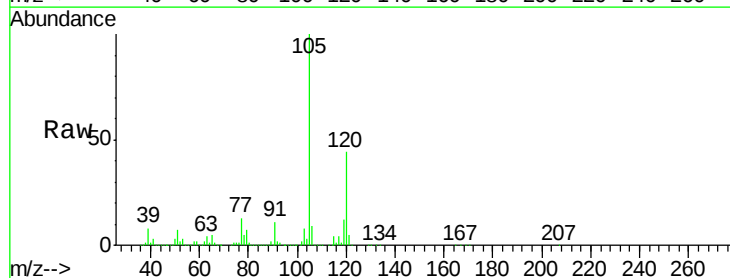
Acq: 29 May 2018 14:26

Tgt Ion:105 Resp: 399571

Ion Ratio Lower Upper

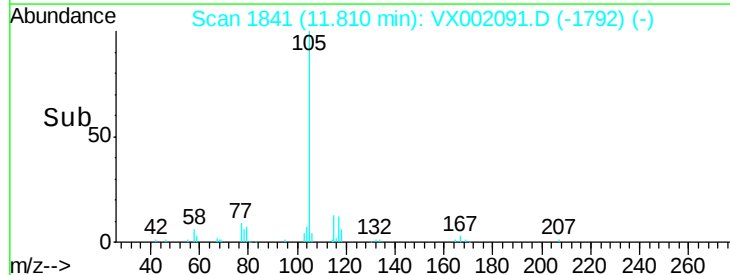
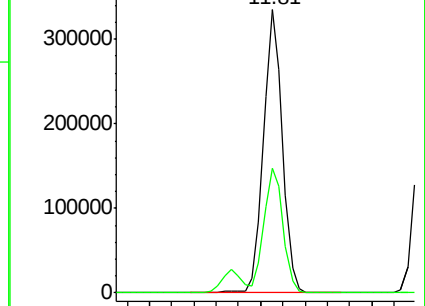
105 100

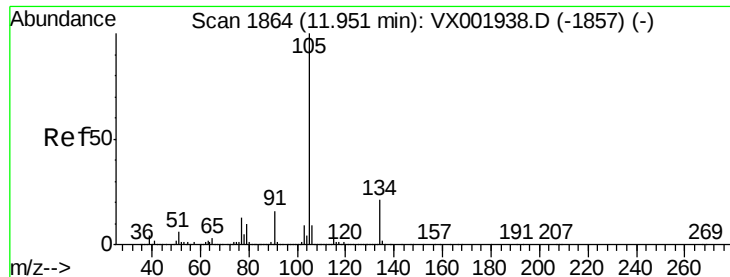
120 44.4 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.17 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampled :

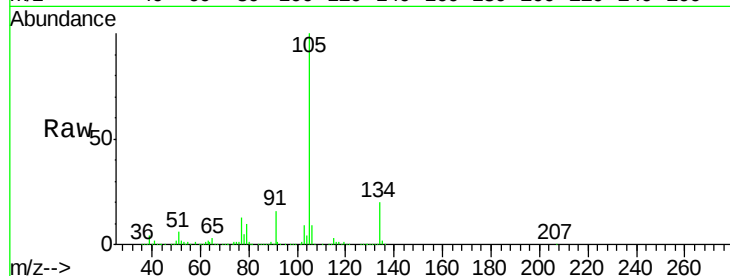
VX0529WBS01

Tot Ion:105 Resp: 474828

Ion Ratio Lower Upper

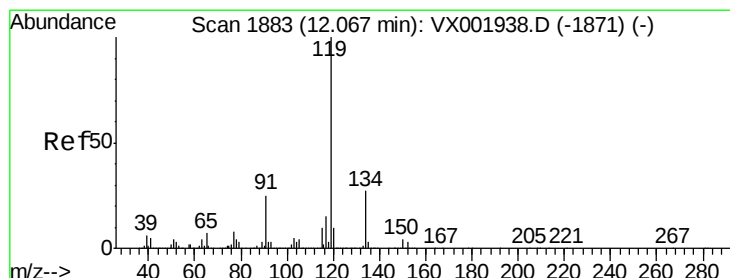
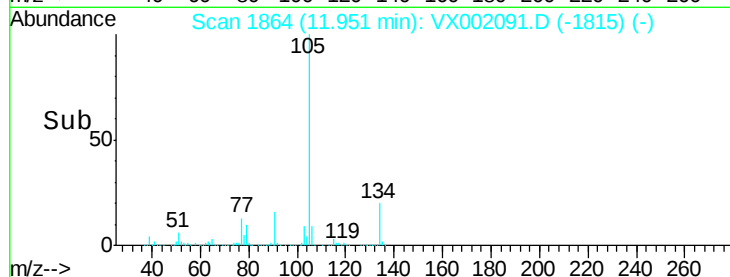
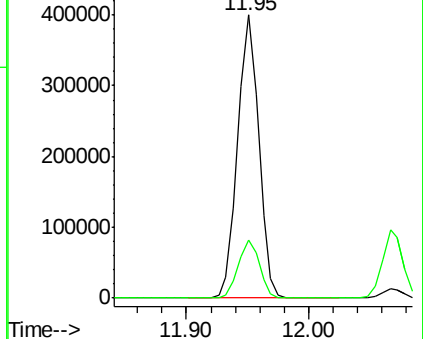
105 100

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: 20.31 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

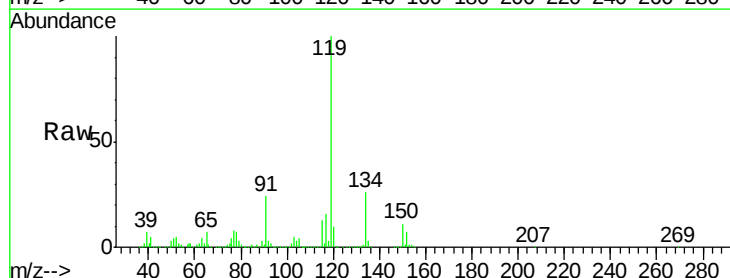
Tgt Ion:119 Resp: 427867

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

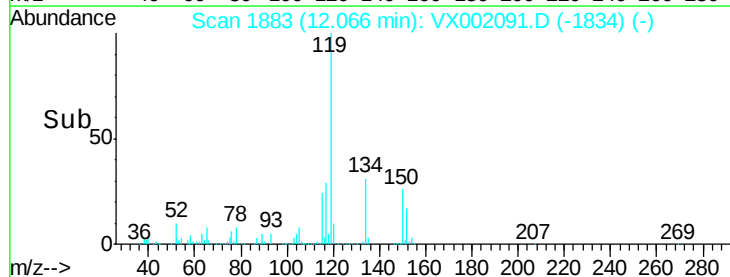
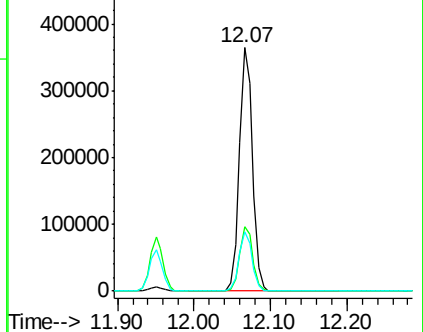
91 24.3 12.2 36.4

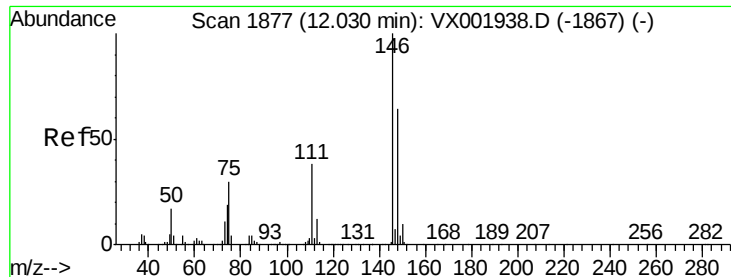


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.60 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

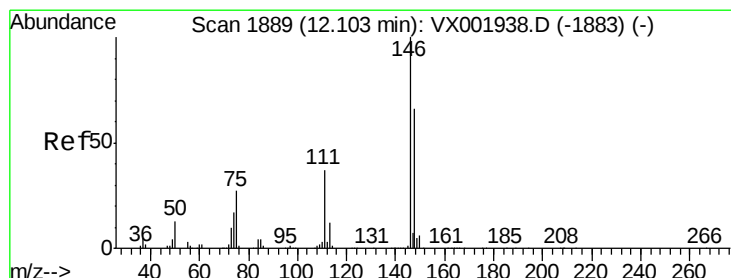
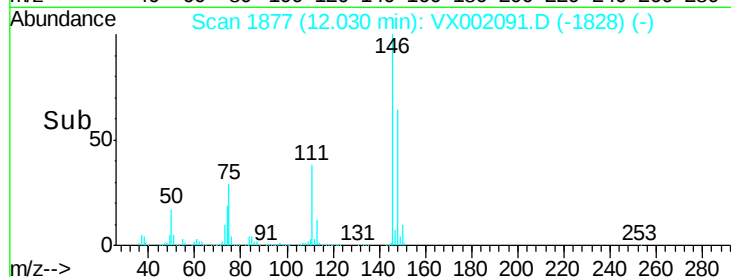
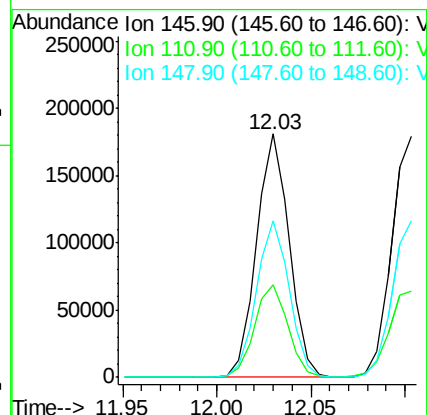
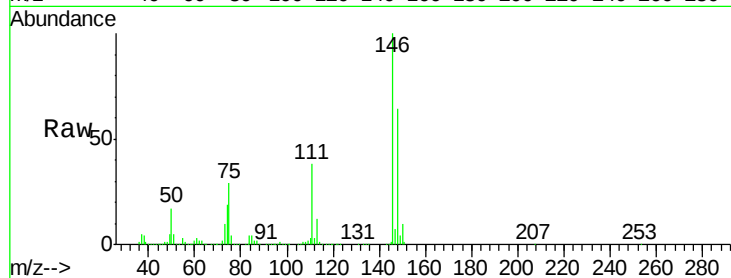
Tot Ion:146 Resp: 217549

Ion Ratio Lower Upper

146 100

111 38.9 19.3 57.8

148 64.6 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 19.83 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

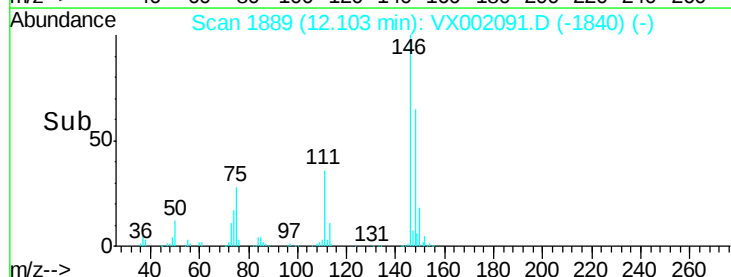
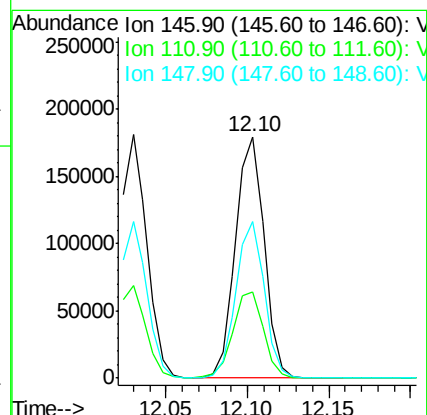
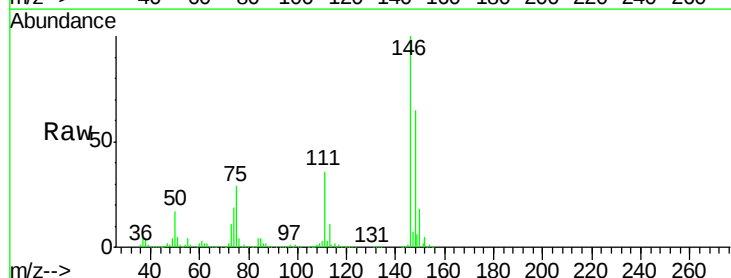
Tgt Ion:146 Resp: 219975

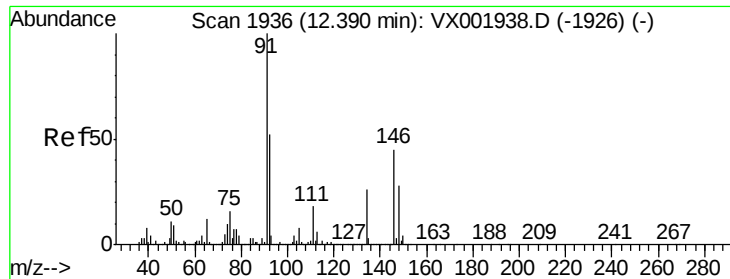
Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.5

148 64.4 32.3 96.8

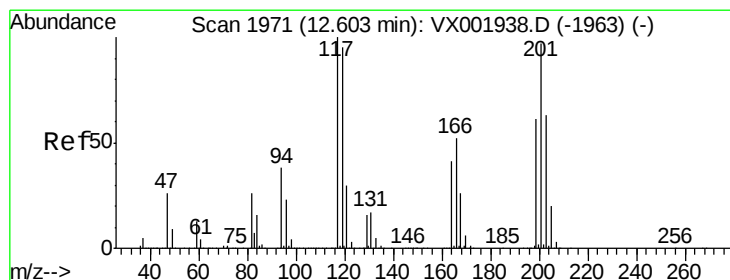
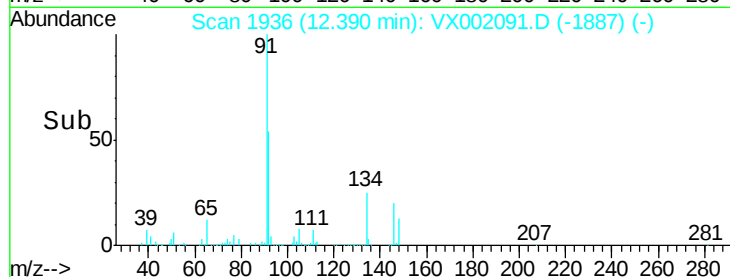
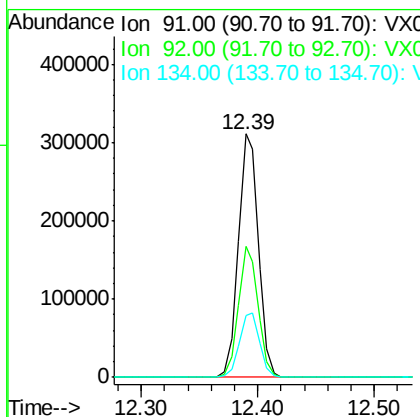
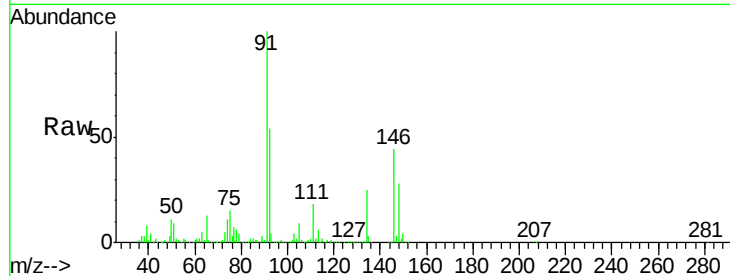




#89
n-Butylbenzene
Concen: 20.84 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

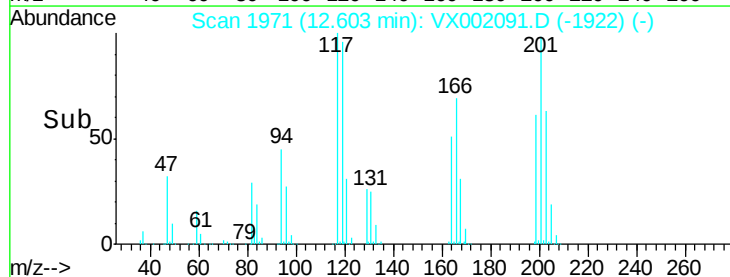
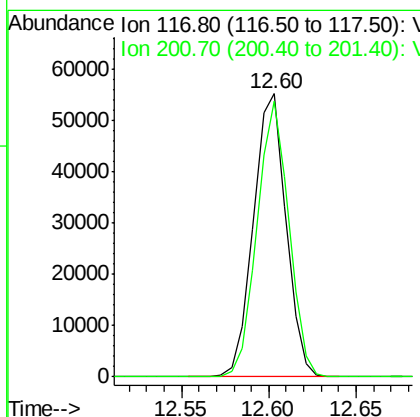
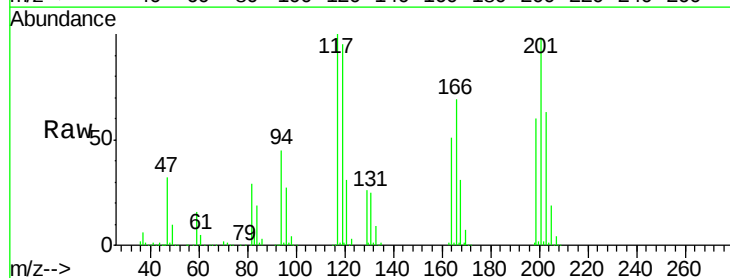
Instrument :
MSVOA_X
ClientSampled :
VX0529WBS01

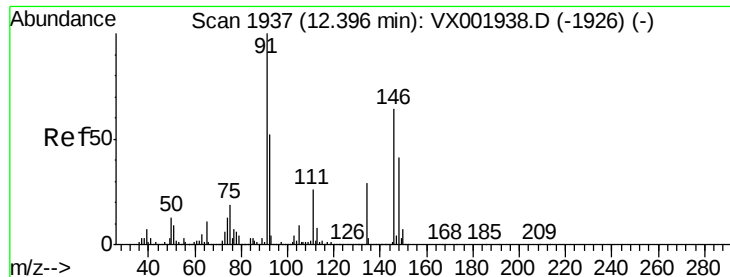
Tot Ion: 91 Resp: 371976
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 26.6 13.6 40.7



#90
Hexachloroethane
Concen: 17.18 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002091.D
Acq: 29 May 2018 14:26

Tgt Ion: 117 Resp: 71400
Ion Ratio Lower Upper
117 100
201 94.8 48.0 144.0





#91

1,2-Dichlorobenzene

Concen: 19.25 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBS01

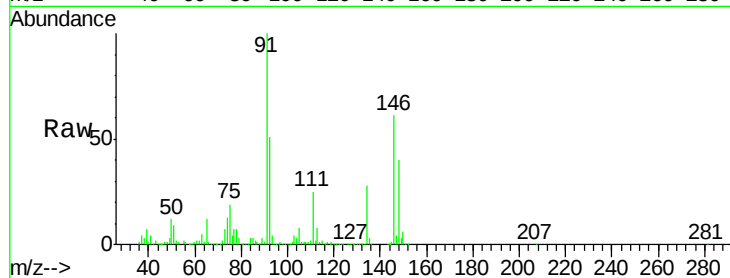
Tot Ion:146 Resp: 217710

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.3

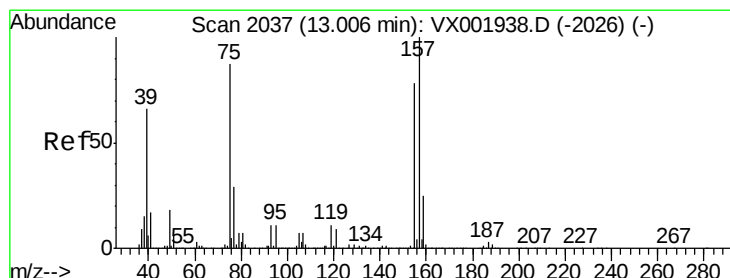
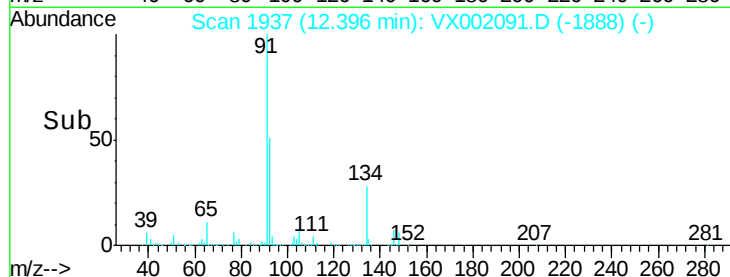
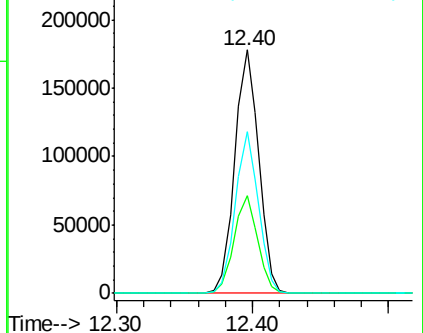
148 64.3 32.1 96.5



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: 15.82 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

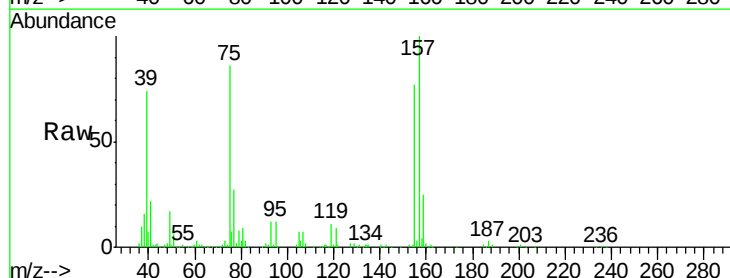
Tgt Ion: 75 Resp: 32851

Ion Ratio Lower Upper

75 100

155 90.0 45.1 135.2

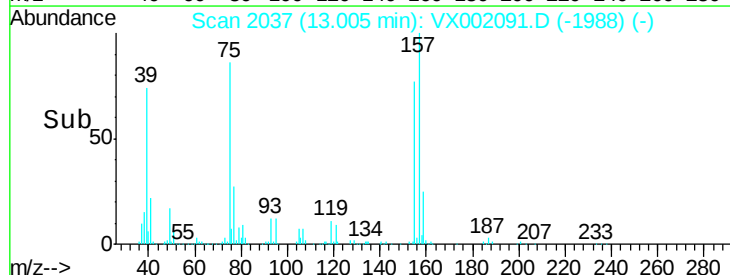
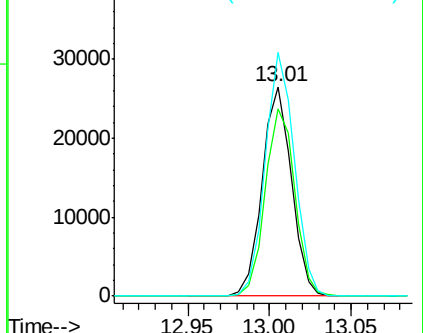
157 115.7 58.1 174.2



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

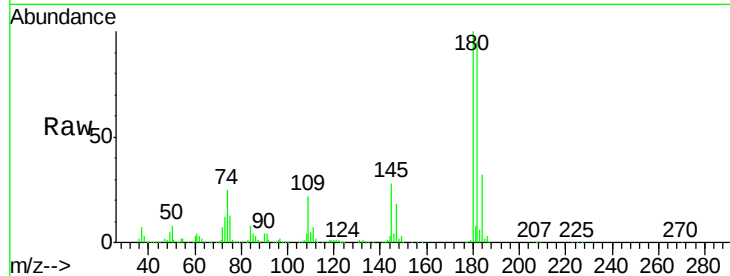




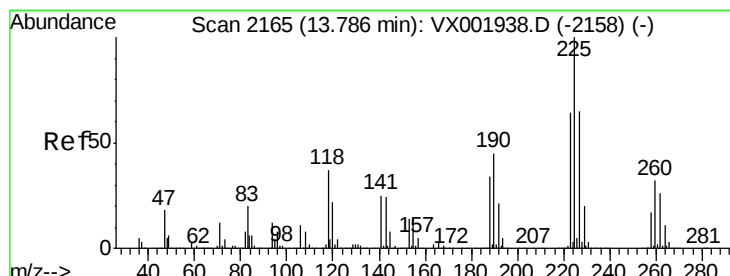
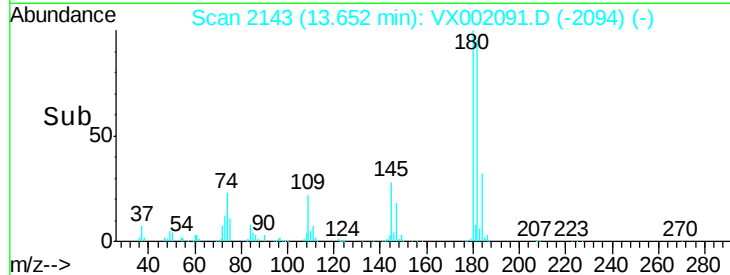
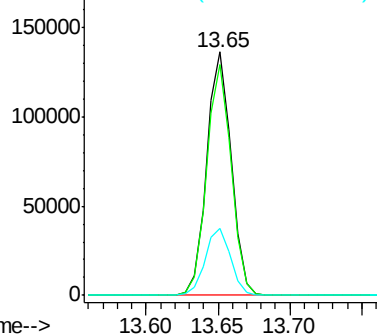
#93
 1,2,4-Trichlorobenzene
 Concen: 20.03 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002091.D
 Acq: 29 May 2018 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.7	143.1
145	28.6	14.4	43.0

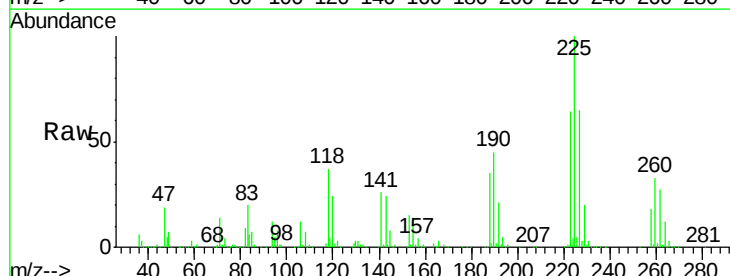


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

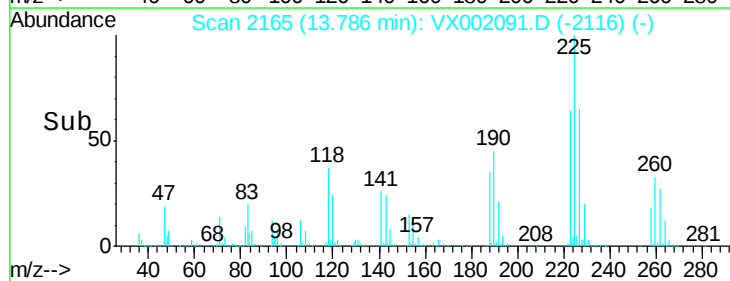
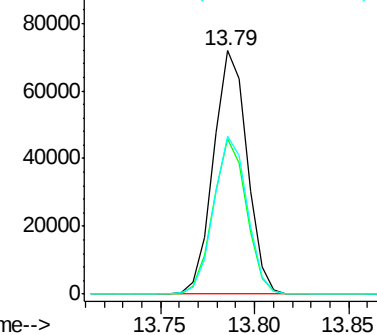


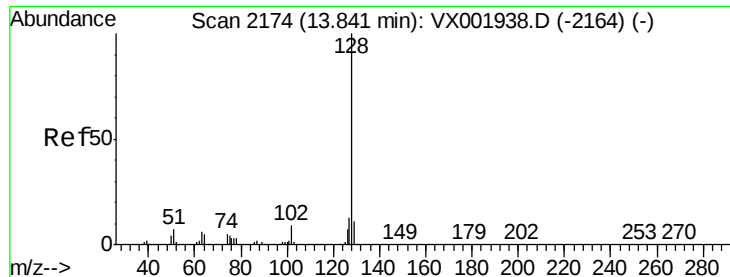
#94
 Hexachlorobutadiene
 Concen: 20.47 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002091.D
 Acq: 29 May 2018 14:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.5
227	64.3	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: 18.96 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

Instrument :

MSVOA_X

ClientSampled :

VX0529WBS01

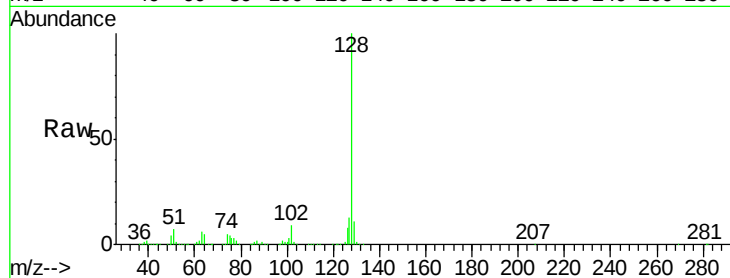
Tot Ion:128 Resp: 472305

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

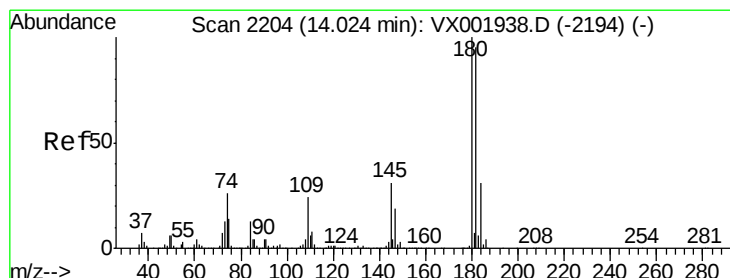
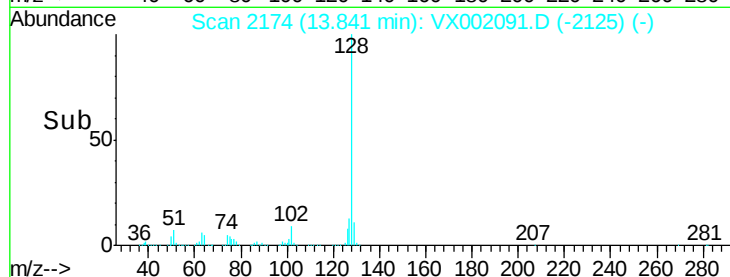
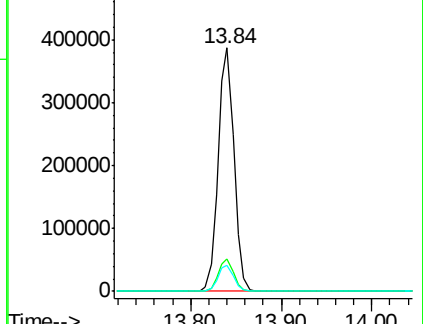
129 10.9 8.8 13.2



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: 19.60 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002091.D

Acq: 29 May 2018 14:26

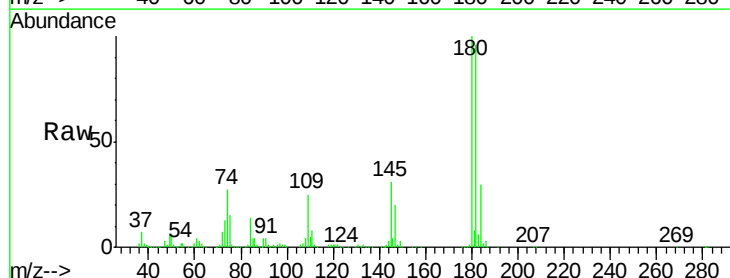
Tgt Ion:180 Resp: 163981

Ion Ratio Lower Upper

180 100

182 95.8 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

