

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003400.D
 Acq On : 16 Jul 2018 20:05
 Operator : JC/MD
 Sample : VX0716WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Quant Time: Jul 17 01:58:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	355089	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	504339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	450350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	266322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	230508	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	5.51	113	195636	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	8.72	98	791463	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	11.14	95	262515	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84146	20.99	ug/l	99
3) Chloromethane	1.33	50	88121	20.32	ug/l	96
4) Vinyl Chloride	1.42	62	99953	21.15	ug/l	94
5) Bromomethane	1.64	94	46945	26.54	ug/l	99
6) Chloroethane	1.73	64	57633	20.66	ug/l	99
7) Trichlorofluoromethane	1.93	101	131014	20.89	ug/l	100
8) Diethyl Ether	2.20	74	54626	20.36	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	79323	20.03	ug/l	97
10) Methyl Iodide	2.52	142	73934	17.45	ug/l	93
11) Tert butyl alcohol	3.09	59	109292	104.51	ug/l	100
12) 1,1-Dichloroethene	2.38	96	74683	19.95	ug/l	89
13) Acrolein	2.31	56	45234	90.17	ug/l	99
14) Allyl chloride	2.73	41	139346	20.52	ug/l	87
15) Acrylonitrile	3.16	53	249320	104.06	ug/l	96
16) Acetone	2.46	43	200182	103.50	ug/l	# 89
17) Carbon Disulfide	2.57	76	197412	19.22	ug/l	98
18) Methyl Acetate	2.79	43	145282	23.06	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	253350	20.38	ug/l	97
20) Methylene Chloride	2.87	84	85427	24.07	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	80371	19.88	ug/l	90
22) Diisopropyl ether	3.89	45	270396	20.53	ug/l	92
23) Vinyl Acetate	3.84	43	1090484	100.40	ug/l	97
24) 1,1-Dichloroethane	3.71	63	152962	20.47	ug/l	100
25) 2-Butanone	4.73	43	321779	106.30	ug/l	94
26) 2,2-Dichloropropane	4.59	77	84893	16.19	ug/l	94
27) cis-1,2-Dichloroethene	4.61	96	88730	20.40	ug/l	97
28) Bromochloromethane	5.03	49	65972	20.34	ug/l	89
29) Tetrahydrofuran	5.18	42	198315	103.31	ug/l	90
30) Chloroform	5.23	83	144467	20.98	ug/l	98
31) Cyclohexane	5.58	56	119787	20.76	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	125732	21.47	ug/l	95
36) 1,1-Dichloropropene	5.81	75	103583	20.28	ug/l	97
37) Ethyl Acetate	4.89	43	117410	20.40	ug/l	96
38) Carbon Tetrachloride	5.79	117	107328	20.65	ug/l	95

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 Data File : VX003400.D
 Acq On : 16 Jul 2018 20:05
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 Sample : VX0716WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Quant Time: Jul 17 01:58:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	116299	19.89	ug/l	95
40) Benzene	6.15	78	333276	21.45	ug/l	99
41) Methacrylonitrile	5.08	41	65629	20.74	ug/l	93
42) 1,2-Dichloroethane	6.21	62	110253	20.69	ug/l	95
43) Isopropyl Acetate	6.48	43	176680	20.34	ug/l	94
44) Trichloroethene	7.22	130	89862	19.96	ug/l	97
45) 1,2-Dichloropropane	7.52	63	83206	20.58	ug/l	99
46) Dibromomethane	7.67	93	54679	20.32	ug/l	96
47) Bromodichloromethane	7.91	83	101006	20.49	ug/l	99
48) Methyl methacrylate	7.79	41	93211	21.03	ug/l	88
49) 1,4-Dioxane	7.77	88	41704	411.03	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	622296	108.84	ug/l	91
52) Toluene	8.79	92	214115	22.01	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	124982	21.48	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	105296	19.83	ug/l	89
55) 1,1,2-Trichloroethane	9.22	97	81250	19.99	ug/l	99
56) Ethyl methacrylate	9.19	69	112780	19.60	ug/l #	88
57) 1,3-Dichloropropane	9.38	76	130998	20.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	312658	108.34	ug/l	97
59) 2-Hexanone	9.51	43	446954	101.74	ug/l	91
60) Dibromochloromethane	9.59	129	78566	19.45	ug/l	100
61) 1,2-Dibromoethane	9.68	107	83316	19.88	ug/l	100
64) Tetrachloroethene	9.34	164	99394	21.10	ug/l	98
65) Chlorobenzene	10.14	112	219348	20.62	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	77971	20.62	ug/l	98
67) Ethyl Benzene	10.26	91	361705	20.80	ug/l	100
68) m/p-Xylenes	10.37	106	282084	41.94	ug/l	98
69) o-Xylene	10.70	106	136341	21.10	ug/l	97
70) Styrene	10.71	104	226119	21.27	ug/l	98
71) Bromoform	10.86	173	60395	19.85	ug/l	99
73) Isopropylbenzene	11.02	105	373214	21.89	ug/l	99
74) N-amyl acetate	6.48	43	176680	21.54	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	133669	23.75	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	141193	29.28	ug/l	83
77) Bromobenzene	11.26	156	109584	22.63	ug/l	98
78) n-propylbenzene	11.37	91	440209	23.11	ug/l	99
79) 2-Chlorotoluene	11.43	91	267869	22.93	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	304119	21.83	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	31073	20.94	ug/l	93
82) 4-Chlorotoluene	11.51	91	292541	21.47	ug/l	98
83) tert-Butylbenzene	11.77	119	293019	21.52	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	327860	22.91	ug/l	100
85) sec-Butylbenzene	11.95	105	372106	22.53	ug/l	100
86) p-Isopropyltoluene	12.07	119	325287	22.13	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	187608	21.16	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	187569	20.84	ug/l	99
89) n-Butylbenzene	12.39	91	274157	21.89	ug/l	98
90) Hexachloroethane	12.60	117	47628	21.38	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	204256	22.94	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	27299	23.31	ug/l	92

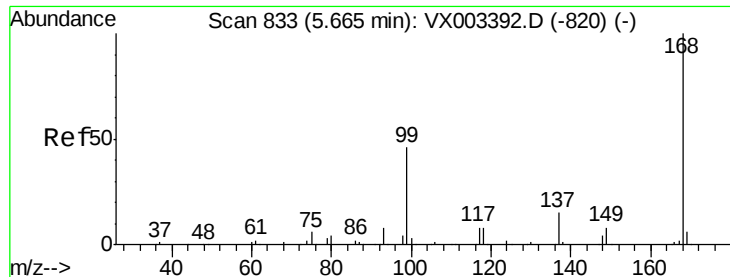
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
Data File : VX003400.D
Acq On : 16 Jul 2018 20:05
Operator : JC/MD
Sample : VX0716WBSD01
Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Quant Time: Jul 17 01:58:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 13:15:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	136529	22.41	ug/l	98
94) Hexachlorobutadiene	13.79	225	63039	21.50	ug/l	99
95) Naphthalene	13.84	128	433736	24.84	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	151002	24.10	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

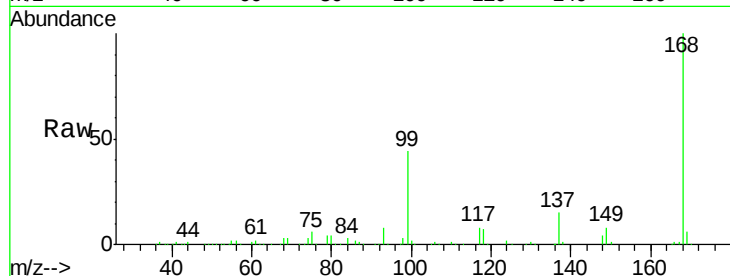
VX0716WBSD01

Tot Ion:168 Resp: 355089

Ion Ratio Lower Upper

168 100

99 44.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

150000

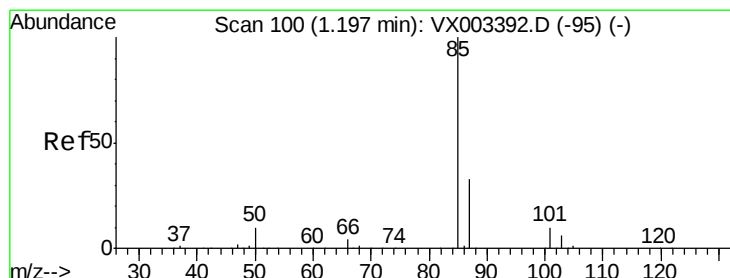
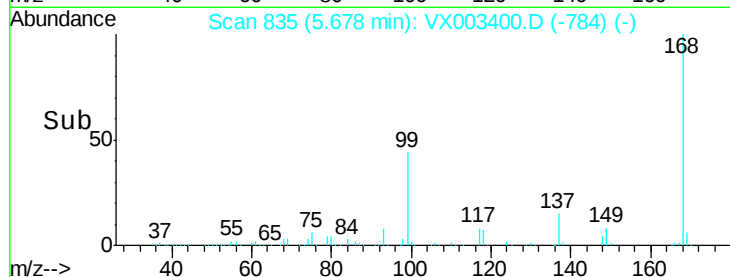
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.99 ug/l

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003400.D

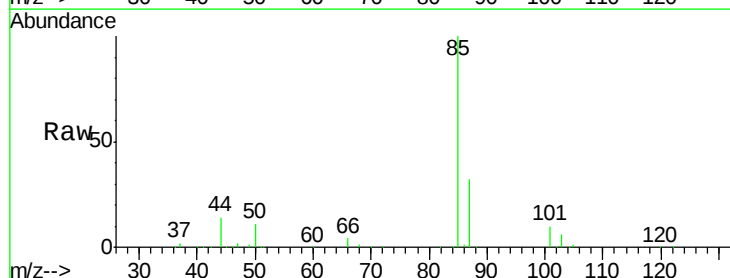
Acq: 16 Jul 2018 20:05

Tgt Ion: 85 Resp: 84146

Ion Ratio Lower Upper

85 100

87 31.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

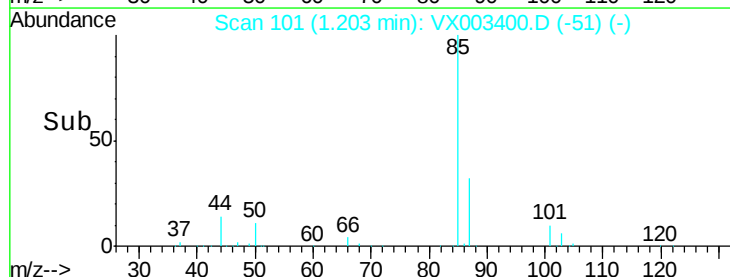
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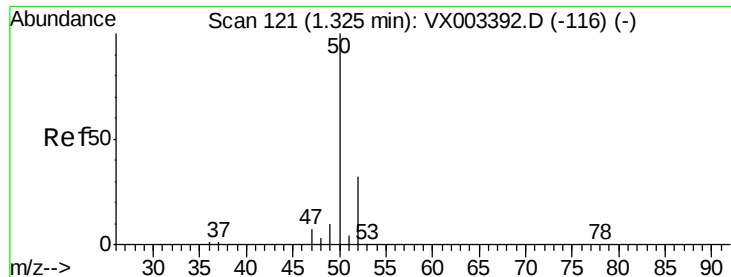
20000

0

Time-->

1.15 1.20 1.25 1.30 1.35





#3

Chloromethane

Concen: 20.32 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

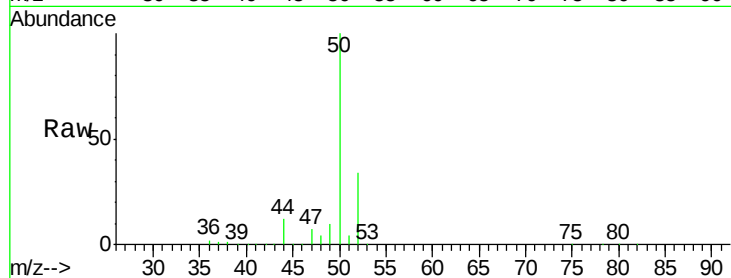
VX0716WBSD01

Tot Ion: 50 Resp: 88121

Ion Ratio Lower Upper

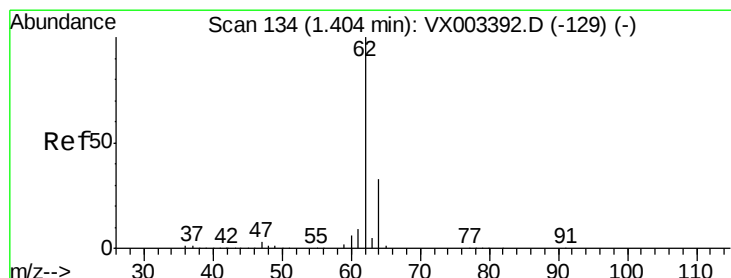
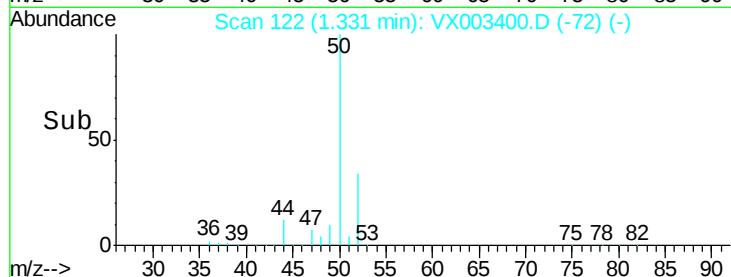
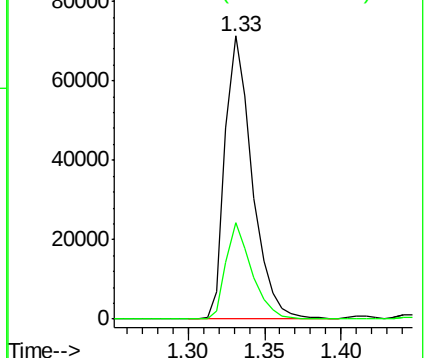
50 100

52 34.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.15 ug/l

RT: 1.42 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX003400.D

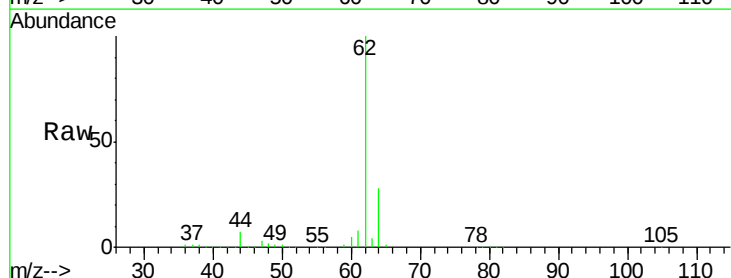
Acq: 16 Jul 2018 20:05

Tgt Ion: 62 Resp: 99953

Ion Ratio Lower Upper

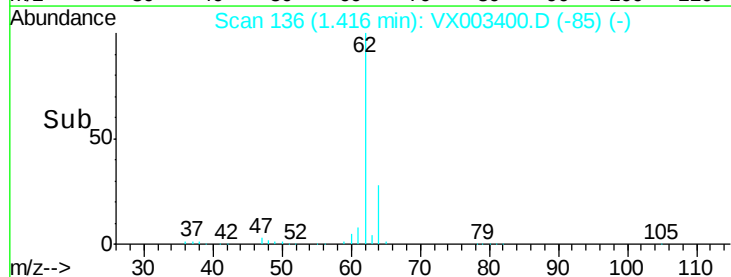
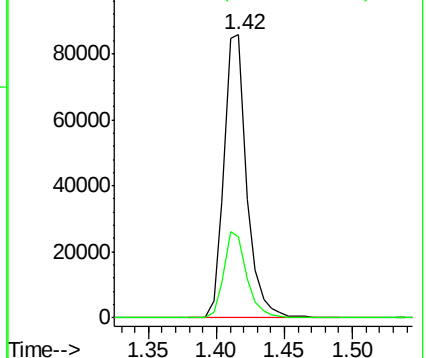
62 100

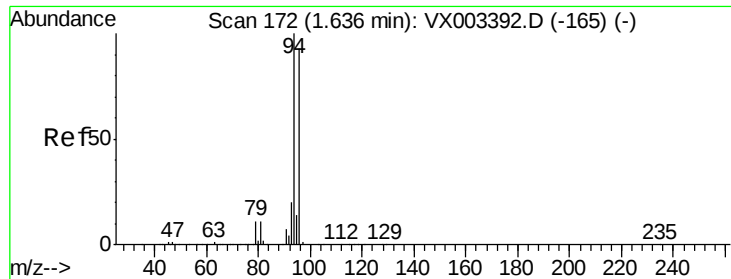
64 28.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.54 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

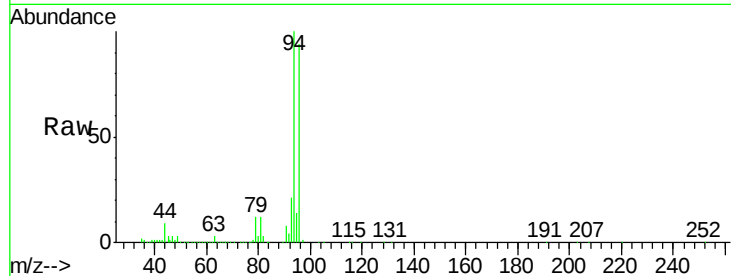
VX0716WBSD01

Tot Ion: 94 Resp: 46945

Ion Ratio Lower Upper

94 100

96 94.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

30000

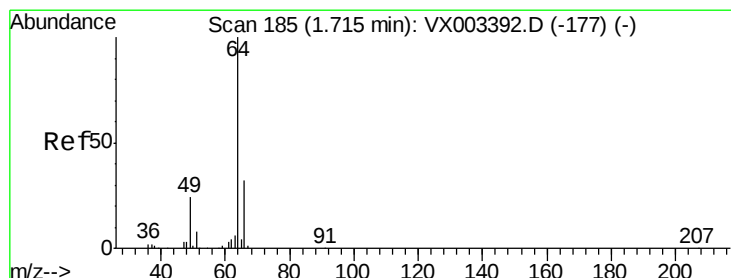
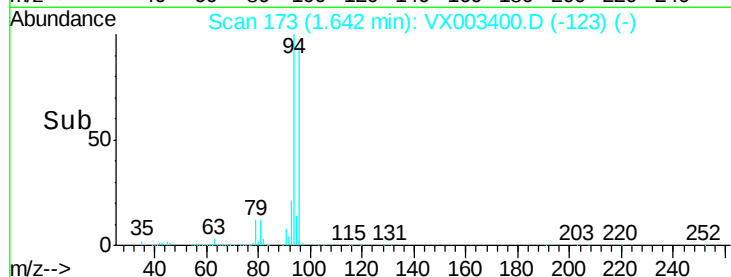
20000

10000

0

Time-->

1.50 1.60 1.70



#6

Chloroethane

Concen: 20.66 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003400.D

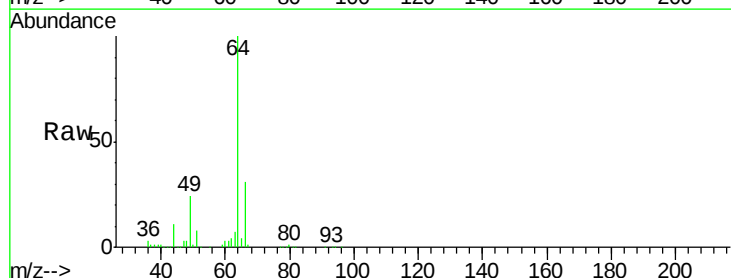
Acq: 16 Jul 2018 20:05

Tgt Ion: 64 Resp: 57633

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

40000

30000

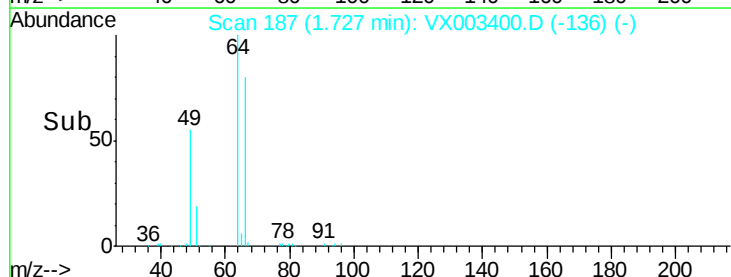
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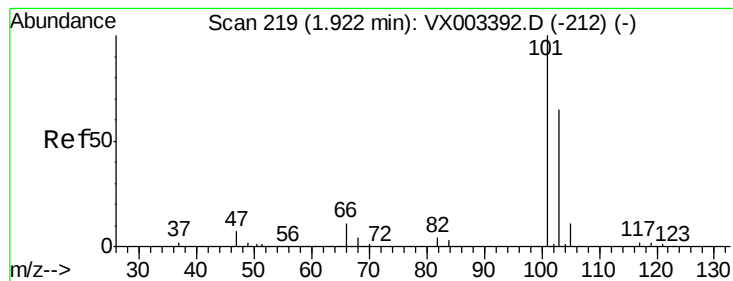
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0

Time-->

1.65 1.70 1.75 1.80



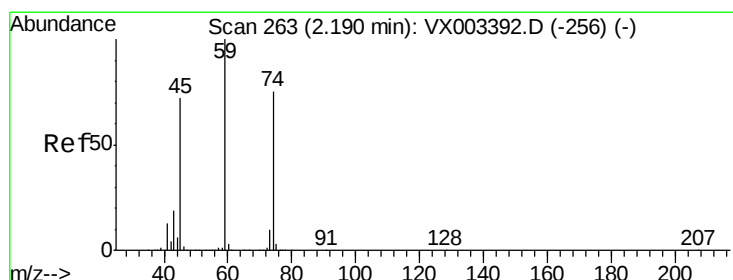
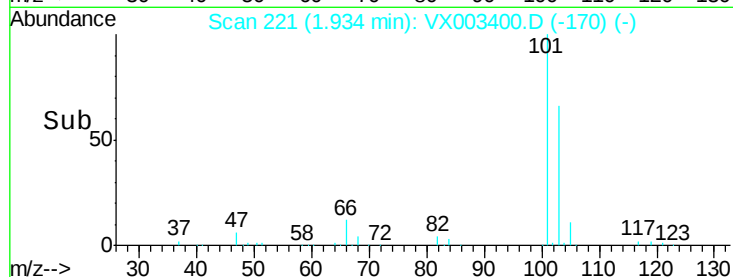
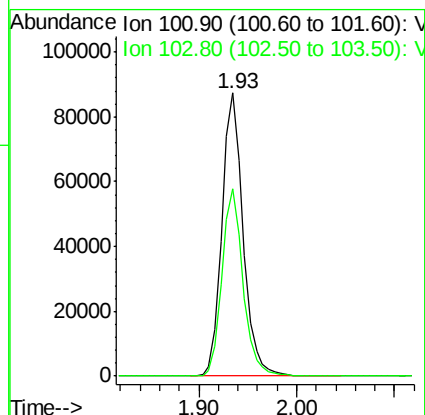
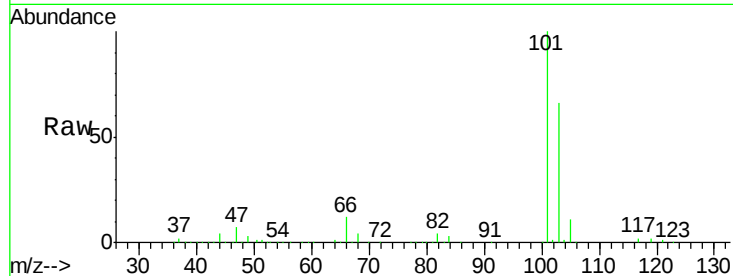


#7

Trichlorofluoromethane
 Concen: 20.89 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

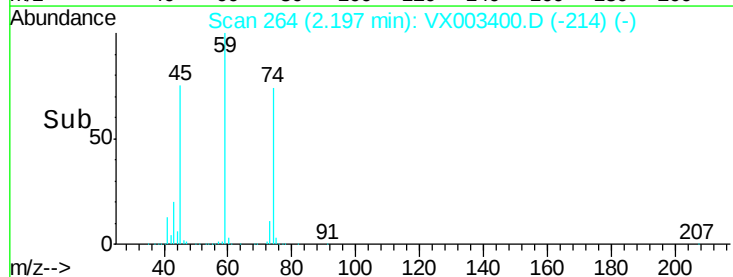
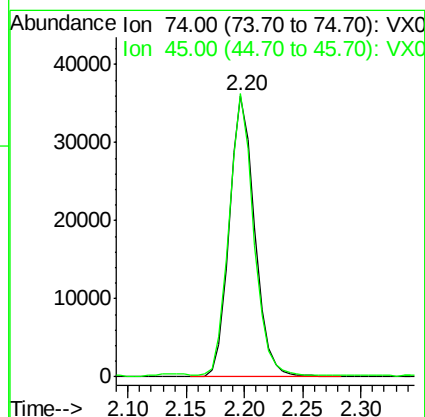
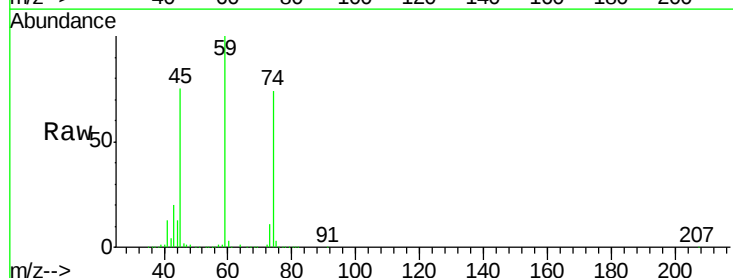
Tot Ion:101 Resp: 131014
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.8 79.2

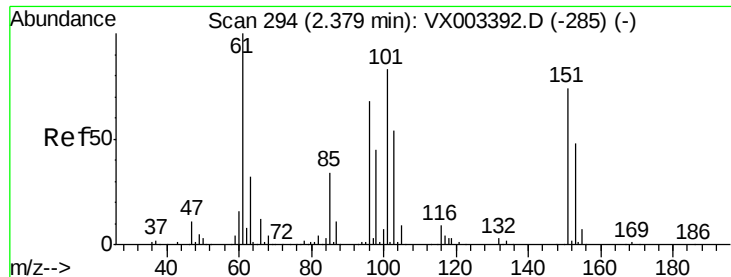


#8

Diethyl Ether
 Concen: 20.36 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion: 74 Resp: 54626
 Ion Ratio Lower Upper
 74 100
 45 97.3 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.03 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

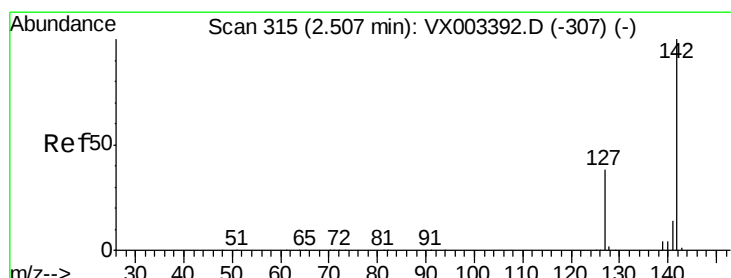
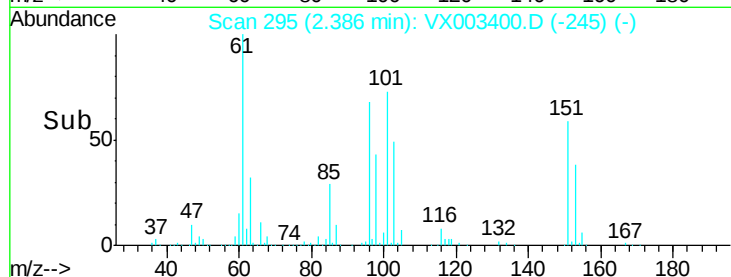
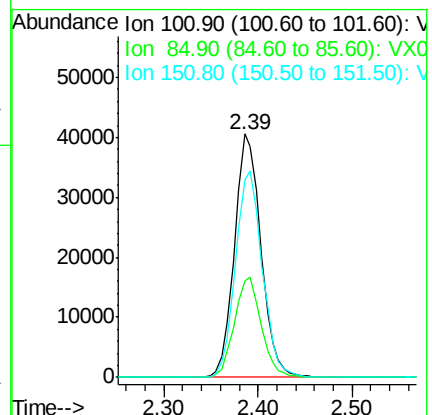
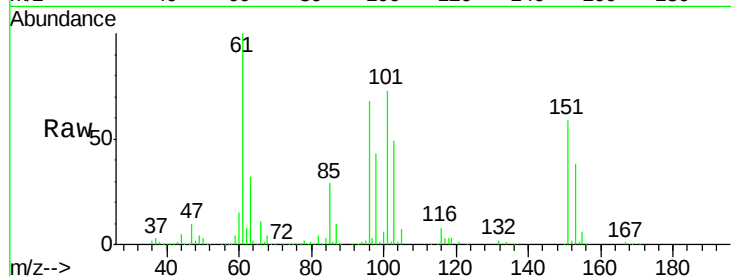
Tot Ion:101 Resp: 79323

Ion Ratio Lower Upper

101 100

85 41.7 36.0 54.0

151 86.1 70.9 106.3



#10

Methyl Iodide

Concen: 17.45 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

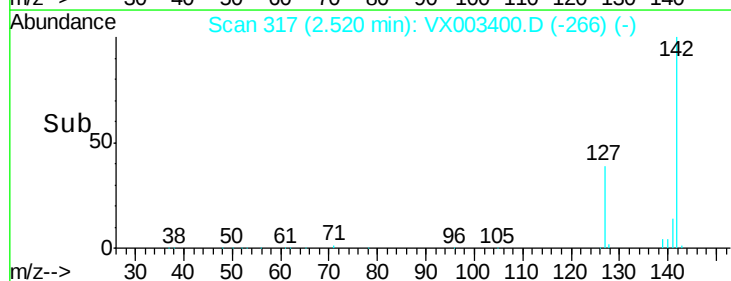
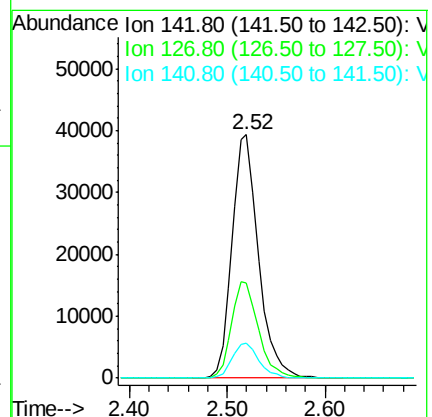
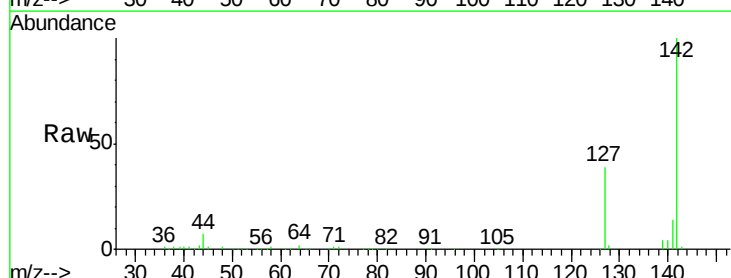
Tgt Ion:142 Resp: 73934

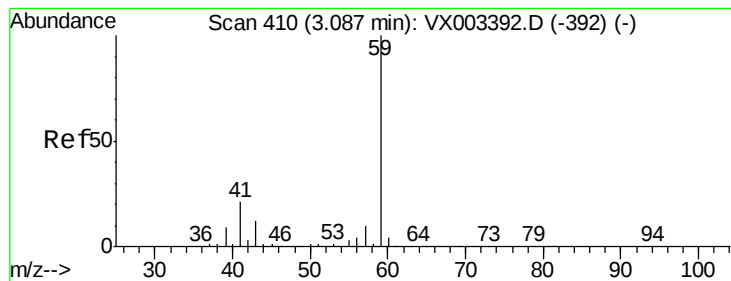
Ion Ratio Lower Upper

142 100

127 40.1 36.6 55.0

141 14.5 11.3 16.9



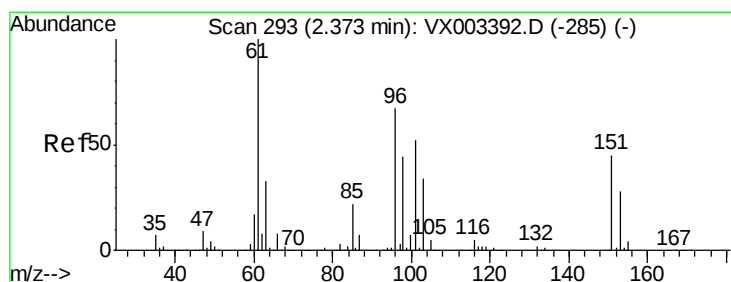
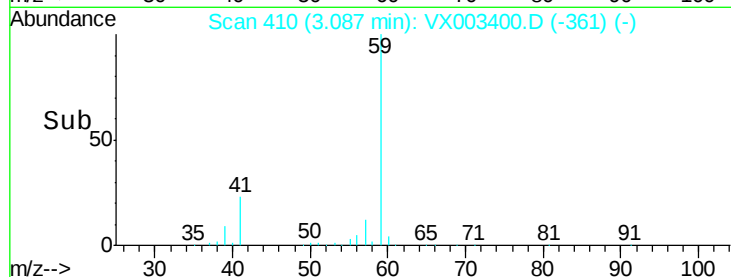
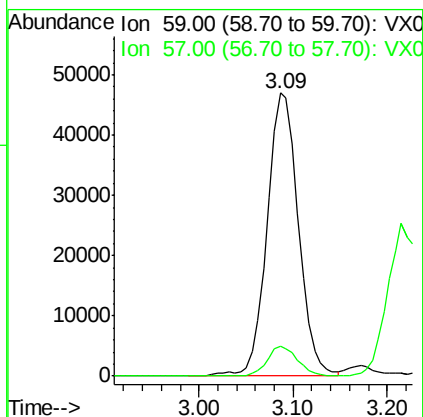
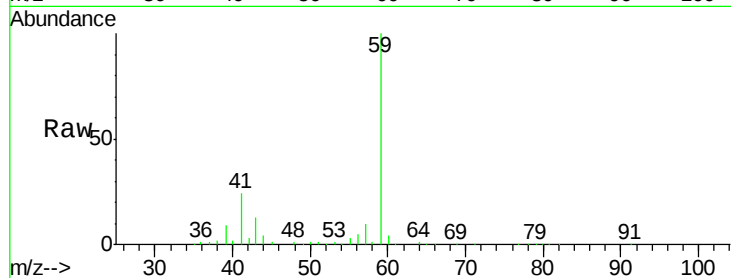


#11

Tert butyl alcohol
Concen: 104.51 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

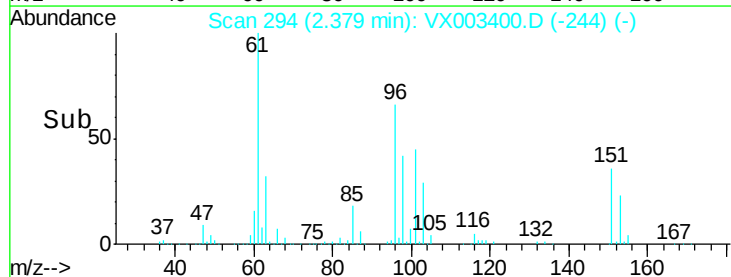
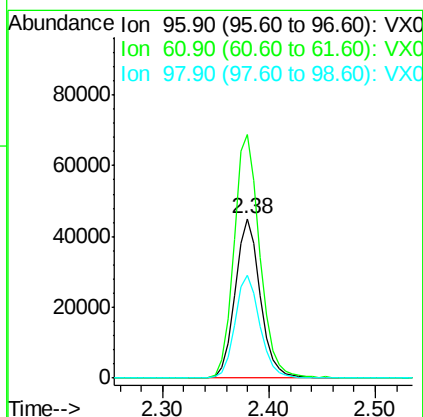
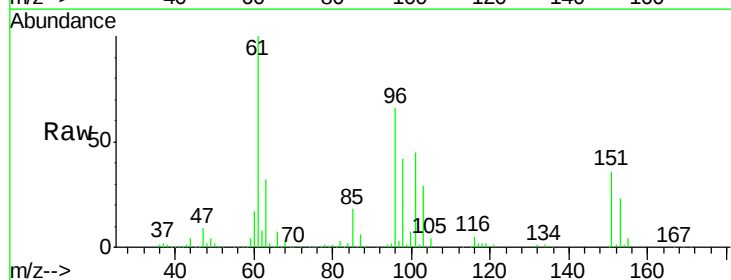
Tot Ion: 59 Resp: 109292
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

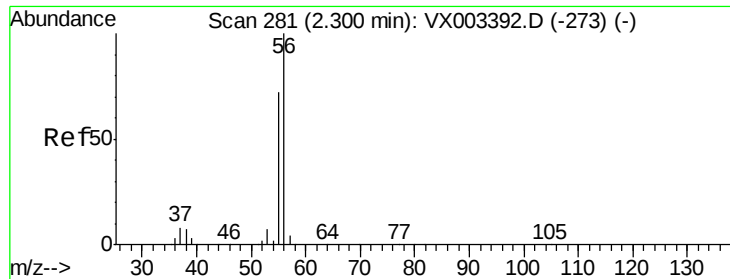


#12

1,1-Dichloroethene
Concen: 19.95 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion: 96 Resp: 74683
Ion Ratio Lower Upper
96 100
61 152.5 137.9 206.9
98 64.8 51.6 77.4





#13

Acrolein

Concen: 90.17 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

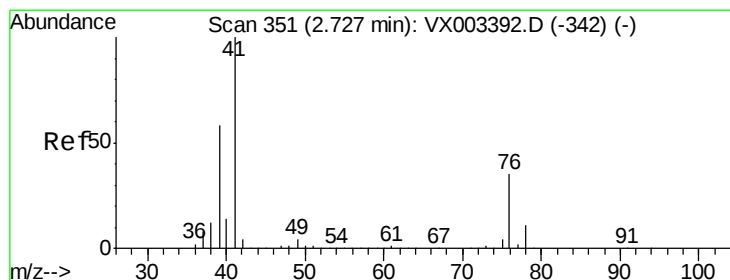
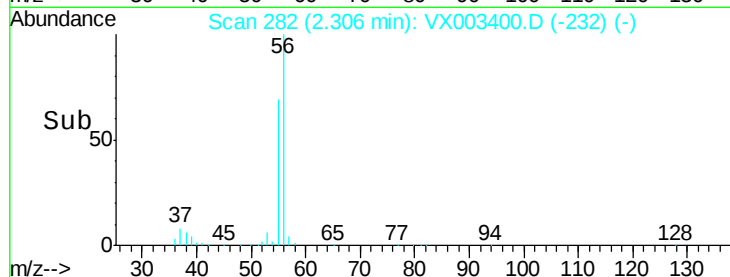
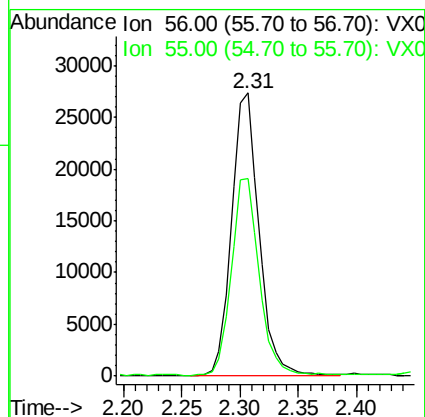
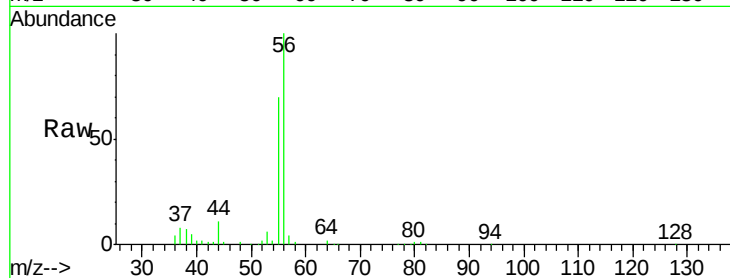
VX0716WBSD01

Tot Ion: 56 Resp: 45234

Ion Ratio Lower Upper

56 100

55 70.0 57.0 85.4



#14

Allyl chloride

Concen: 20.52 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

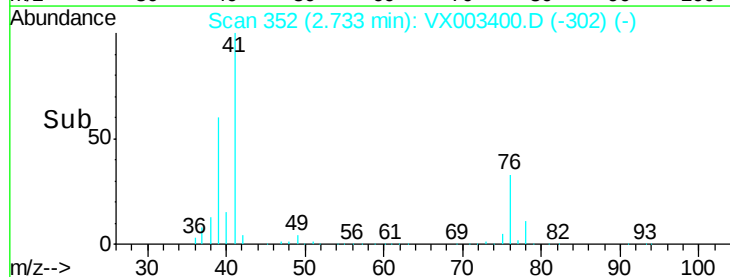
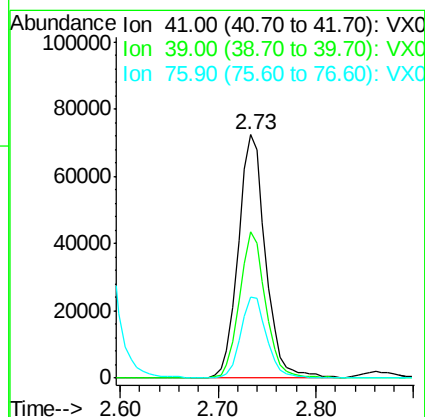
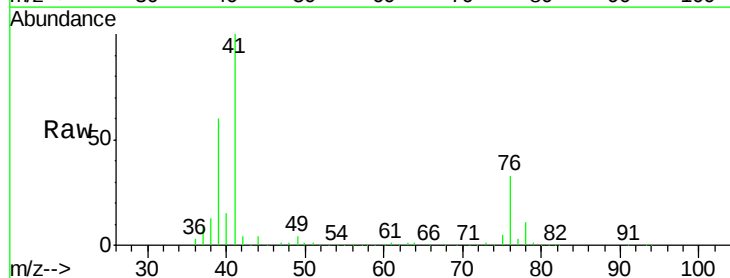
Tgt Ion: 41 Resp: 139346

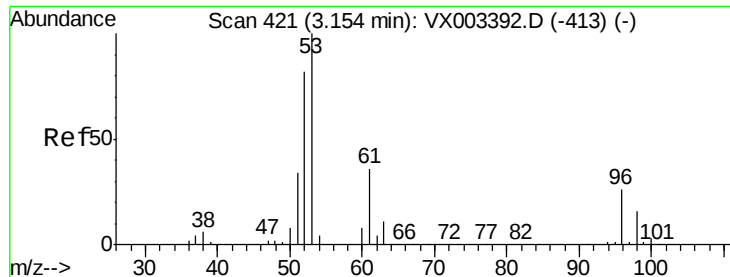
Ion Ratio Lower Upper

41 100

39 57.7 56.8 85.2

76 32.2 23.8 35.8





#15

Acrylonitrile

Concen: 104.06 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

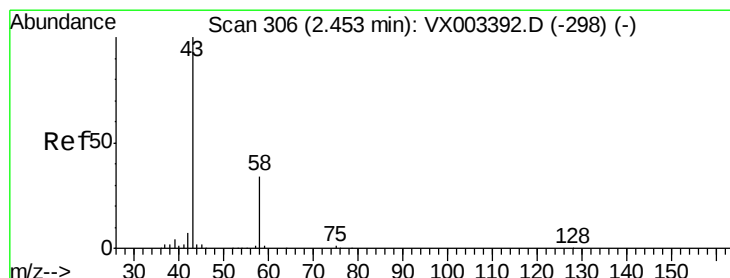
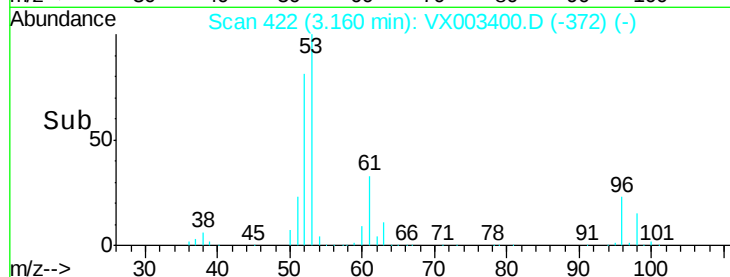
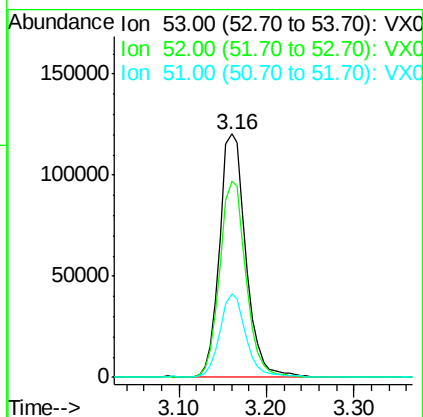
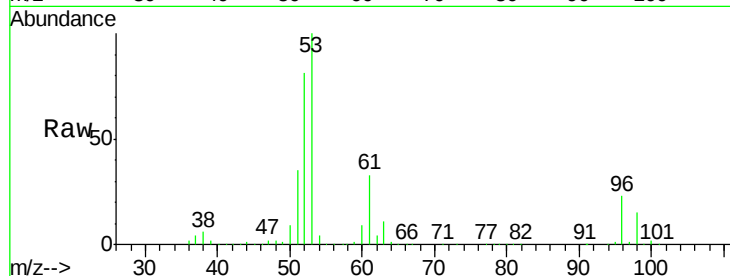
Tot Ion: 53 Resp: 249320

Ion Ratio Lower Upper

53 100

52 80.7 66.7 100.1

51 34.2 29.9 44.9



#16

Acetone

Concen: 103.50 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX003400.D

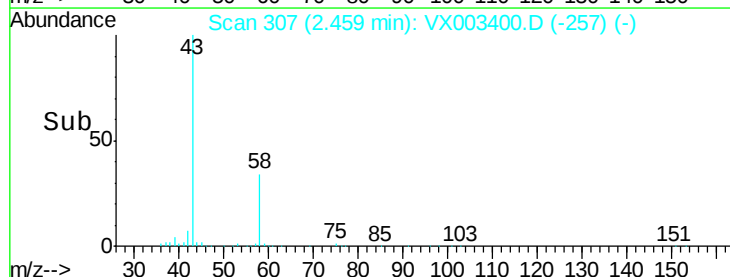
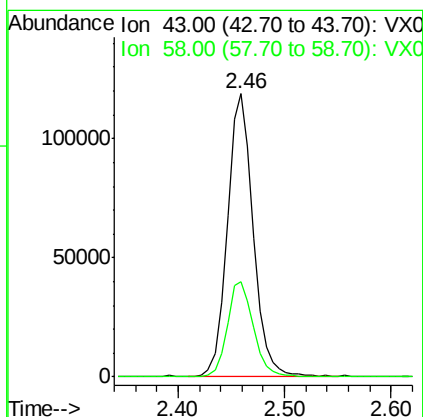
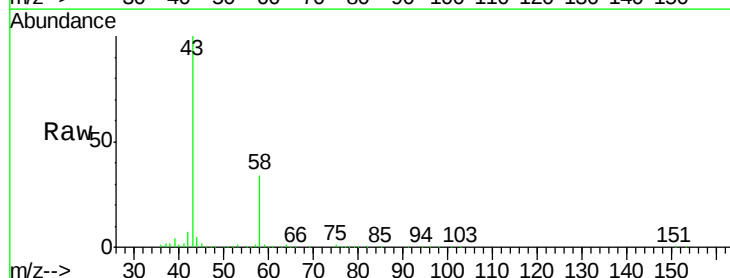
Acq: 16 Jul 2018 20:05

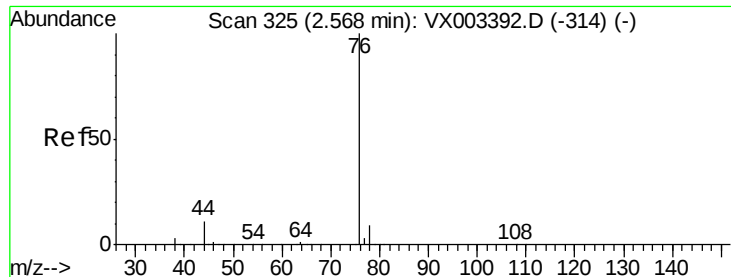
Tgt Ion: 43 Resp: 200182

Ion Ratio Lower Upper

43 100

58 33.6 22.1 33.1#





#17

Carbon Disulfide

Concen: 19.22 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

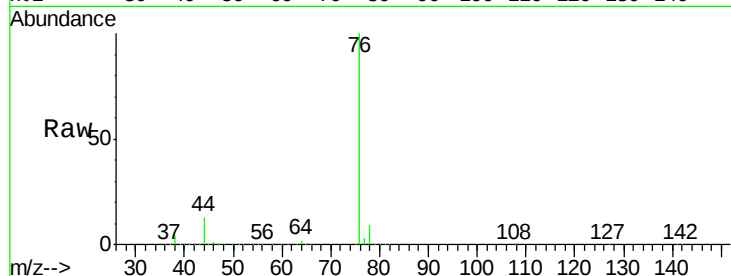
VX0716WBSD01

Tot Ion: 76 Resp: 197412

Ion Ratio Lower Upper

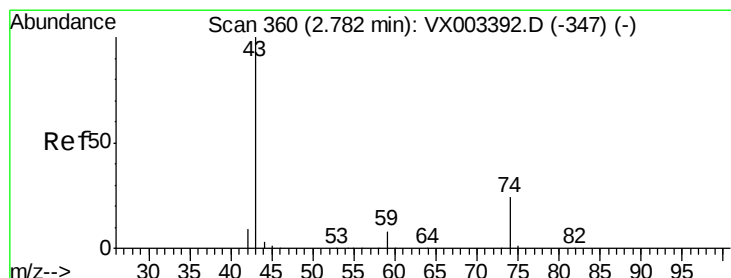
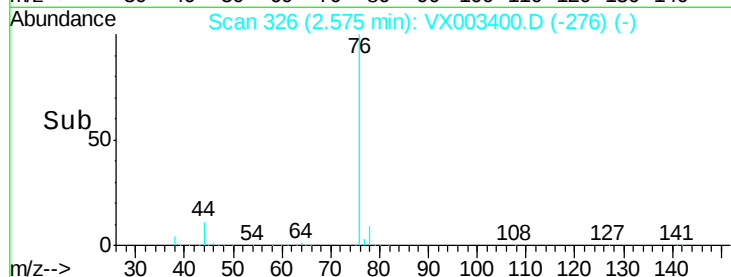
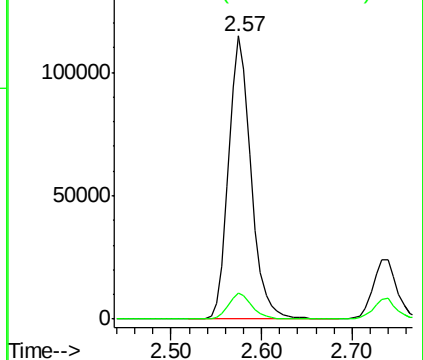
76 100

78 9.3 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.06 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX003400.D

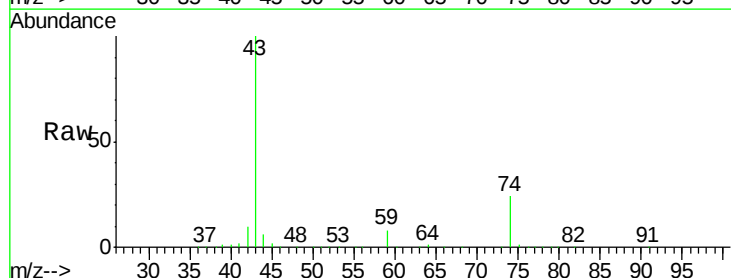
Acq: 16 Jul 2018 20:05

Tgt Ion: 43 Resp: 145282

Ion Ratio Lower Upper

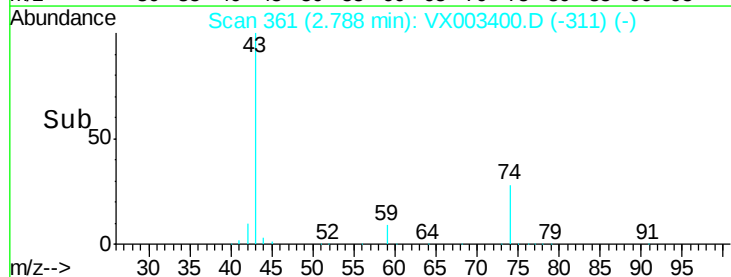
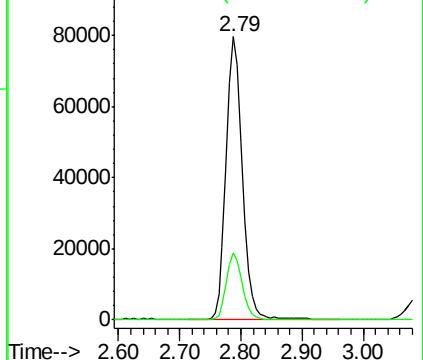
43 100

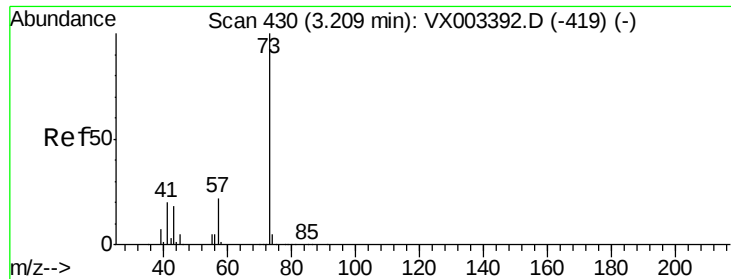
74 23.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

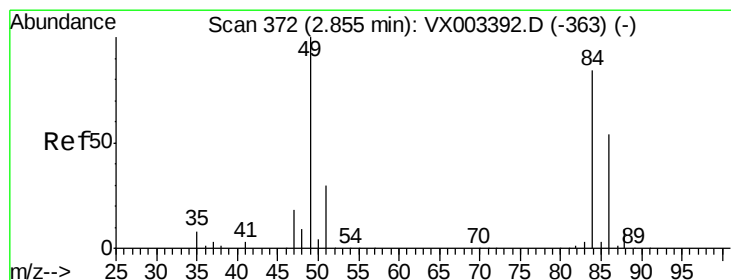
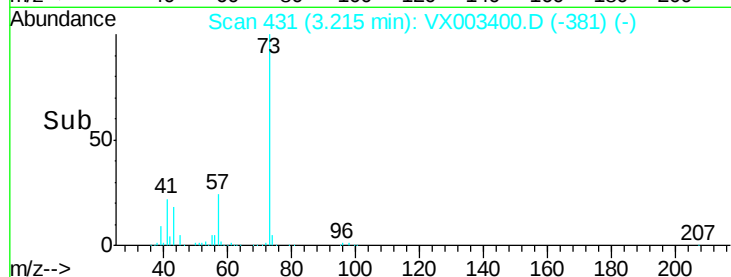
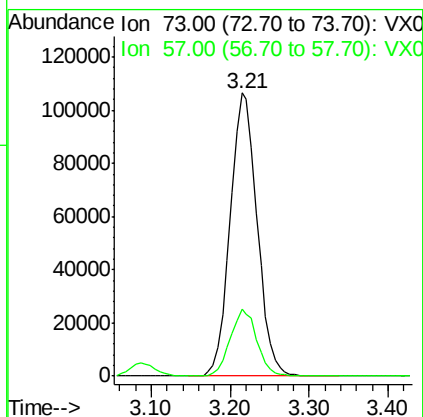
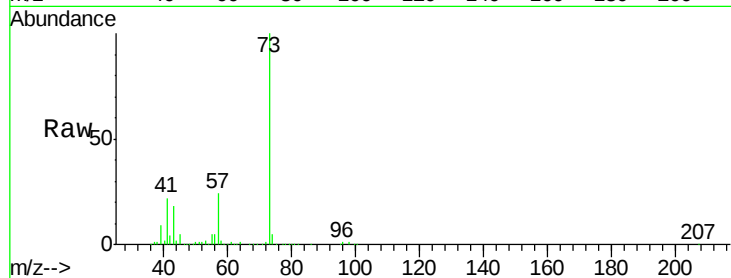




#19
Methyl tert-butyl Ether
Concen: 20.38 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

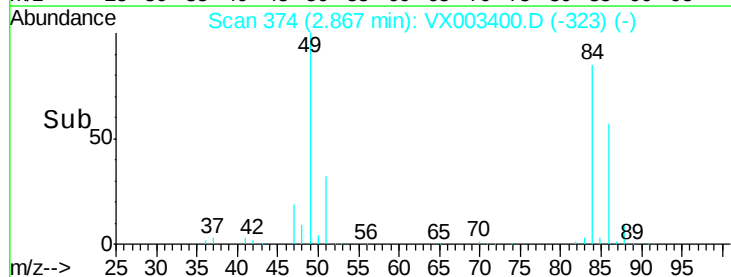
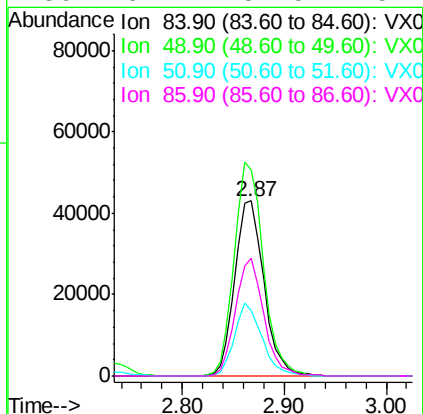
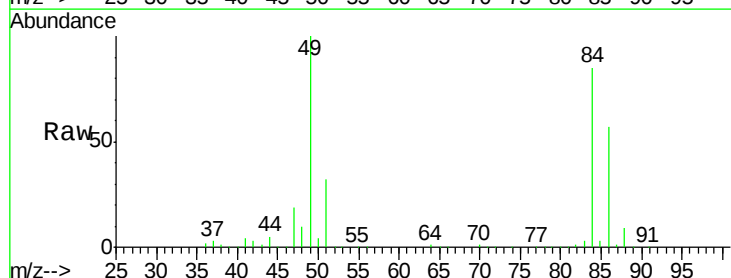
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

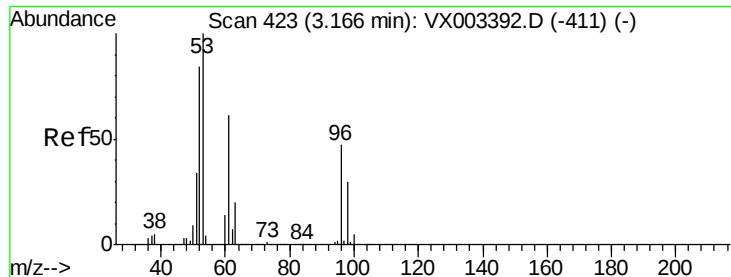
Tot Ion: 73 Resp: 253350
Ion Ratio Lower Upper
73 100
57 23.7 17.7 26.5



#20
Methylene Chloride
Concen: 24.07 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion: 84 Resp: 85427
Ion Ratio Lower Upper
84 100
49 117.9 107.8 161.6
51 37.1 32.8 49.2
86 67.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.88 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

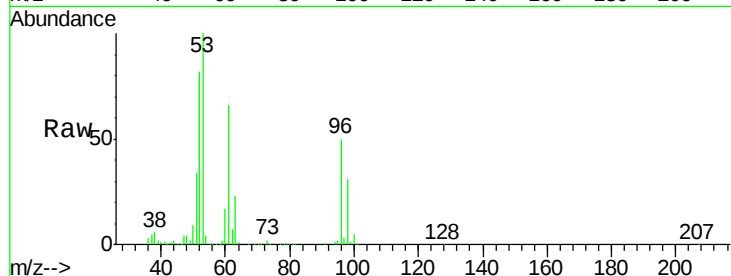
Tot Ion: 96 Resp: 80371

Ion Ratio Lower Upper

96 100

61 131.3 117.0 175.4

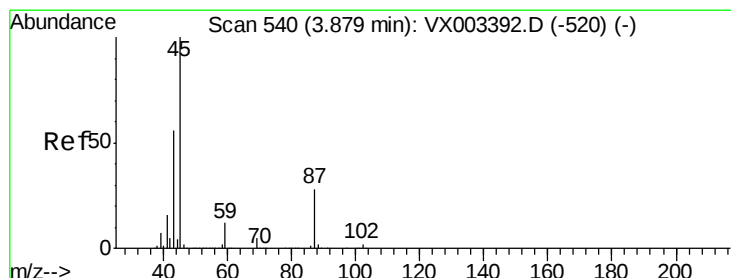
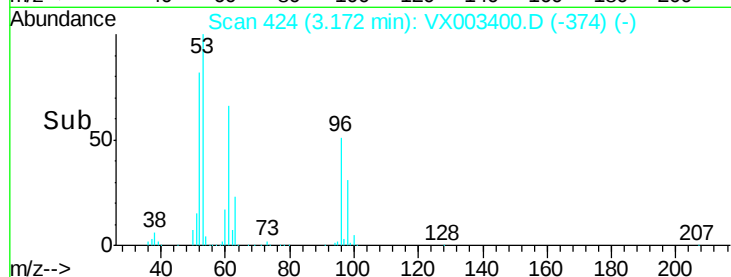
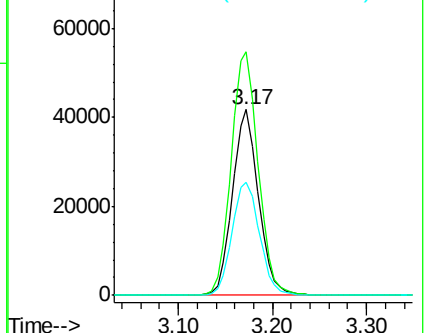
98 60.9 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.53 ug/l

RT: 3.89 min Scan# 542

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion: 45 Resp: 270396

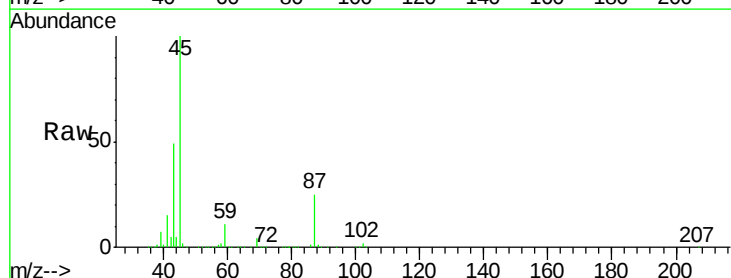
Ion Ratio Lower Upper

45 100

43 48.9 46.8 70.2

87 25.0 20.2 30.4

59 10.7 8.7 13.1

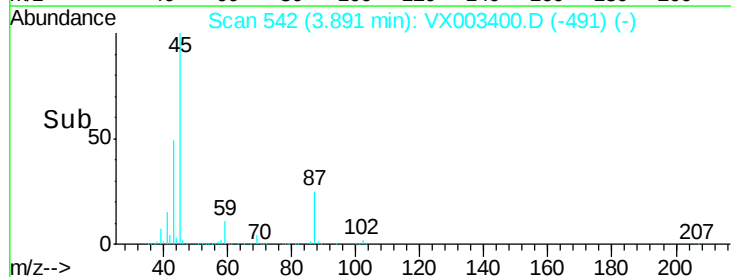
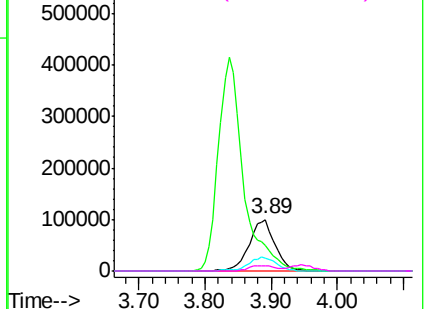


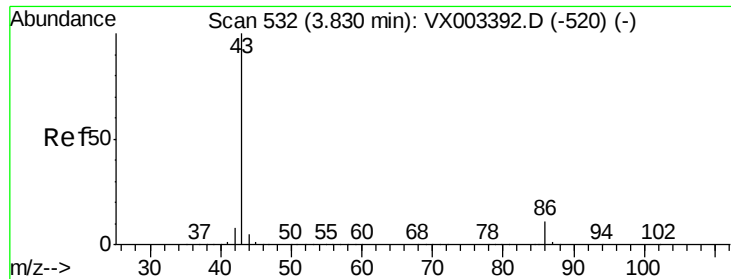
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 100.40 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

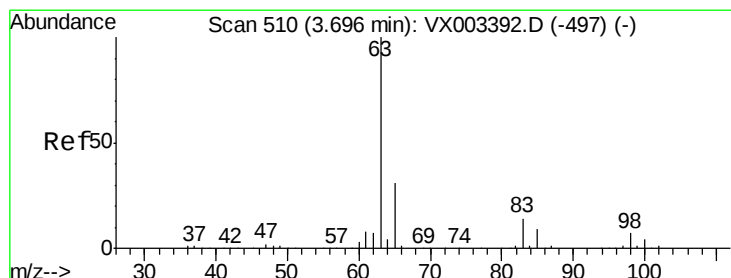
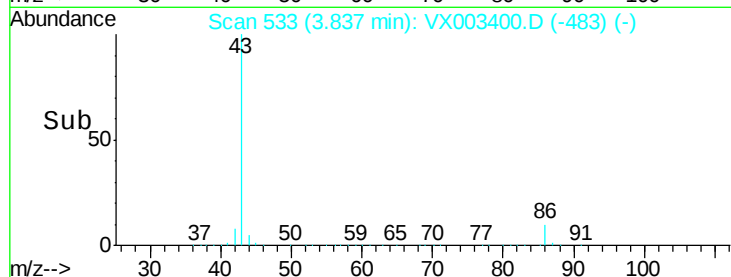
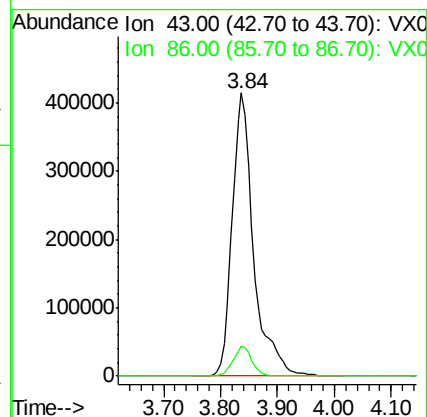
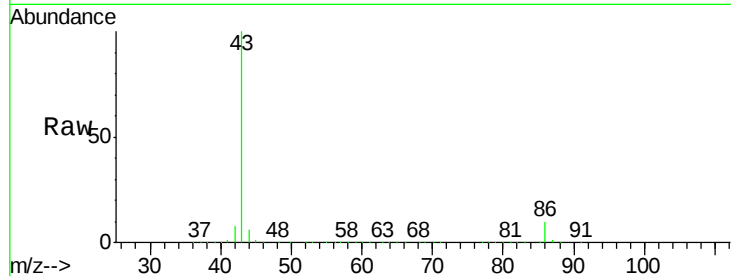
VX0716WBSD01

Tot Ion: 43 Resp: 1090484

Ion Ratio Lower Upper

43 100

86 10.4 7.4 11.0



#24

1,1-Dichloroethane

Concen: 20.47 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

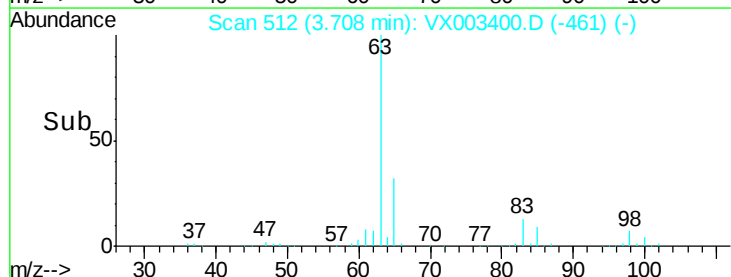
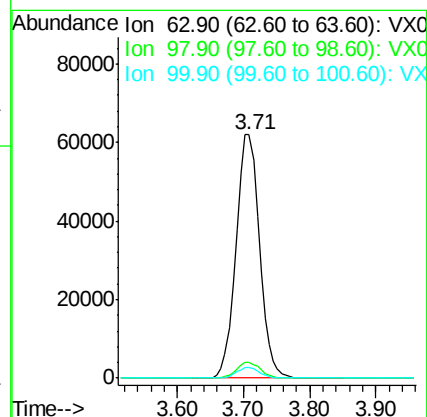
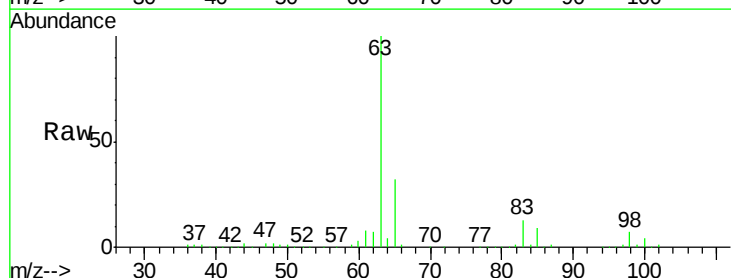
Tgt Ion: 63 Resp: 152962

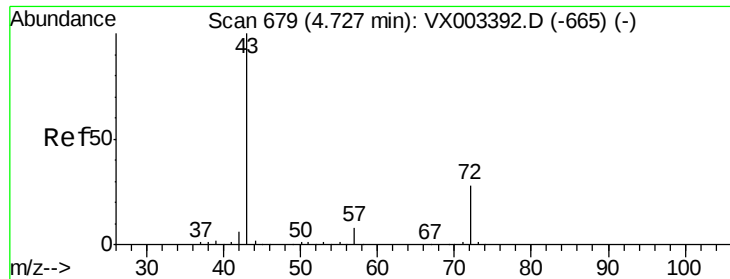
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 106.30 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

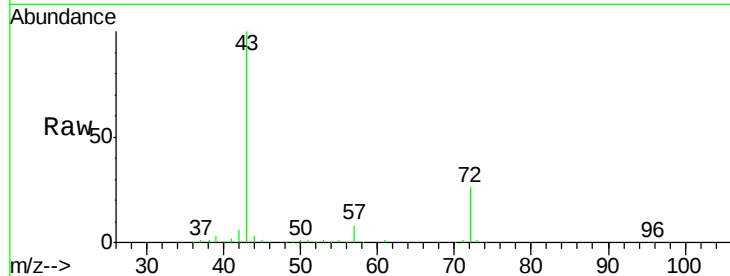
VX0716WBSD01

Tot Ion: 43 Resp: 321779

Ion Ratio Lower Upper

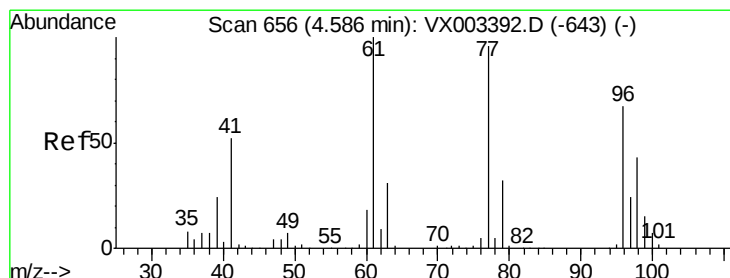
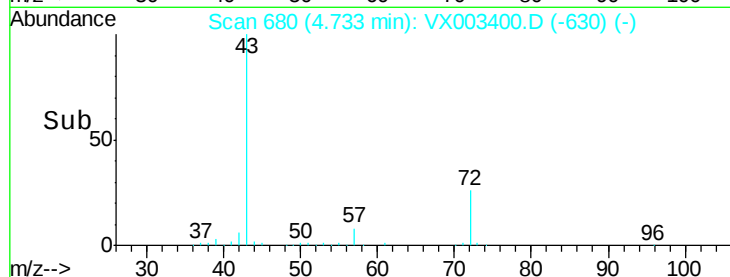
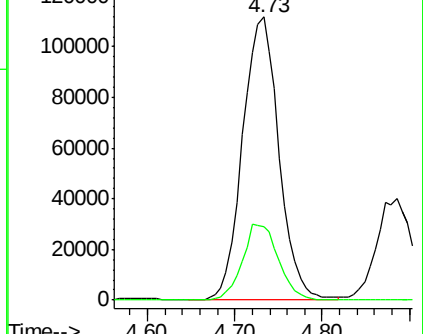
43 100

72 25.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.19 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX003400.D

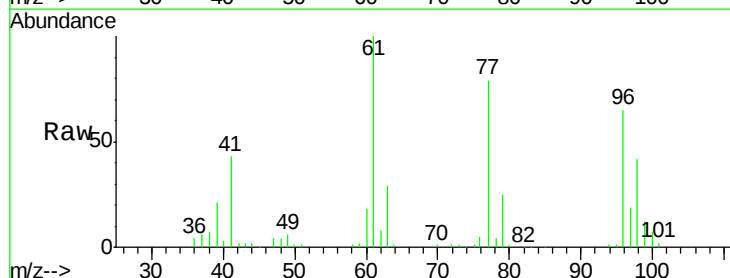
Acq: 16 Jul 2018 20:05

Tgt Ion: 77 Resp: 84893

Ion Ratio Lower Upper

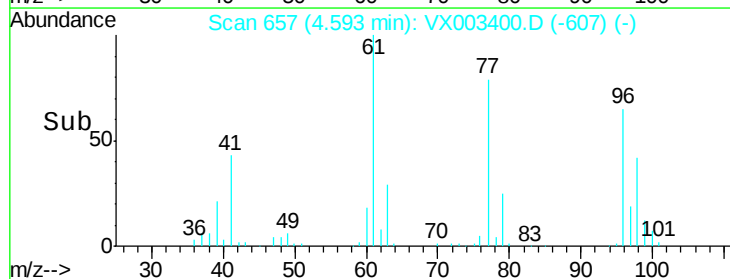
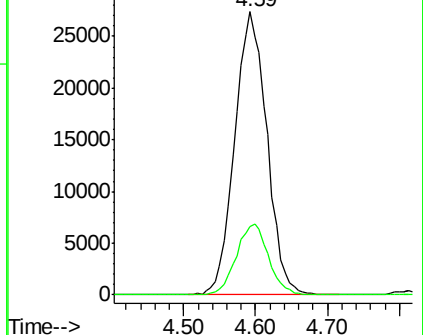
77 100

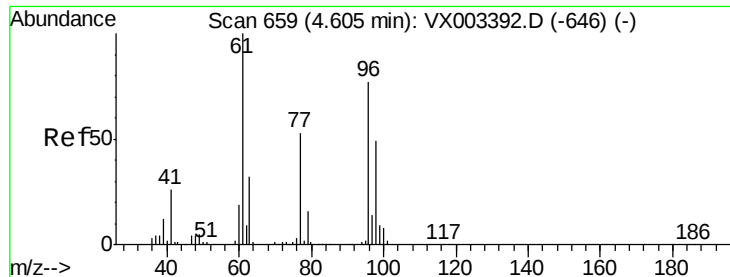
97 25.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



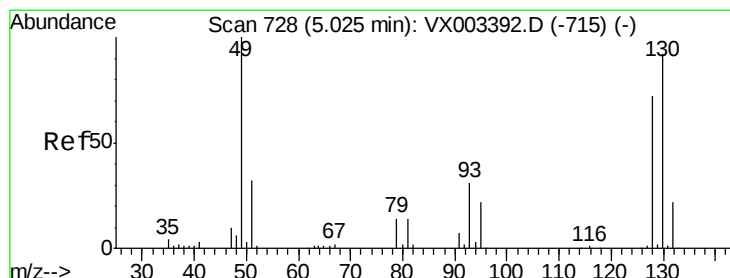
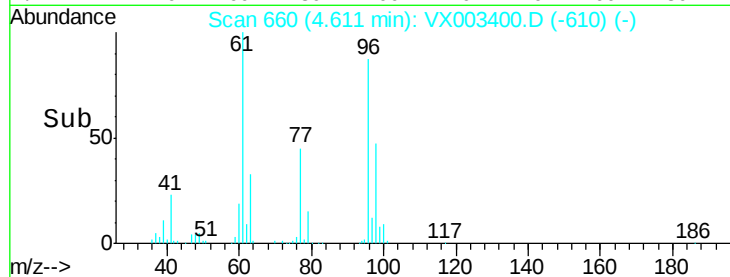
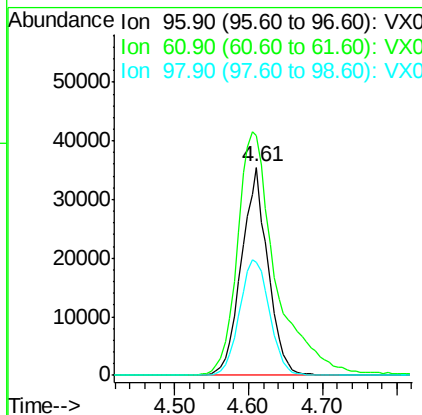
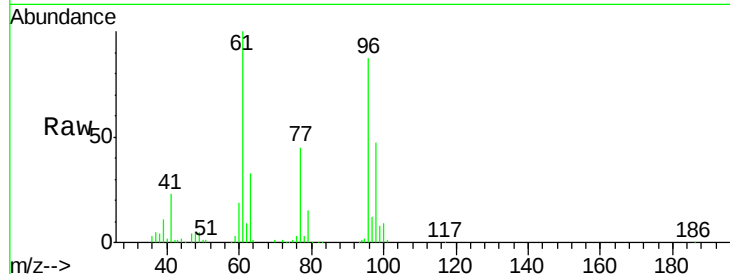


#27

cis-1,2-Dichloroethene
Concen: 20.40 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

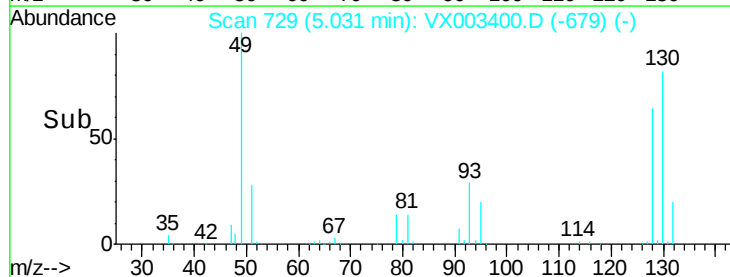
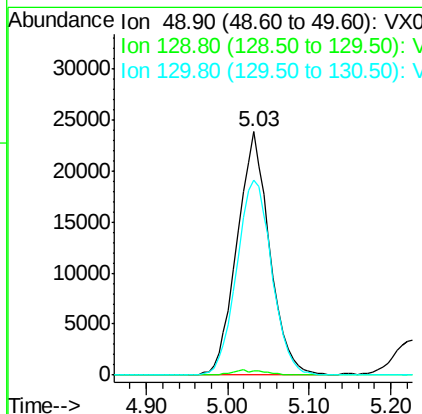
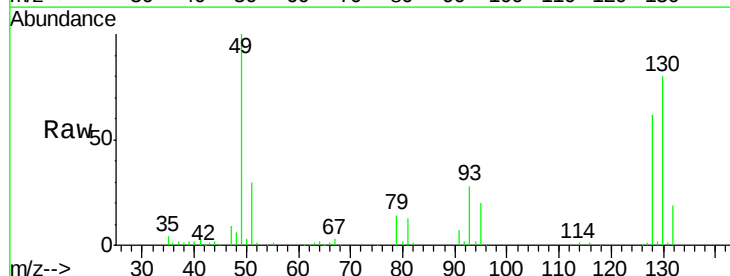
Tot Ion: 96 Resp: 88730
Ion Ratio Lower Upper
96 100
61 169.3 0.0 330.2
98 63.1 0.0 130.2

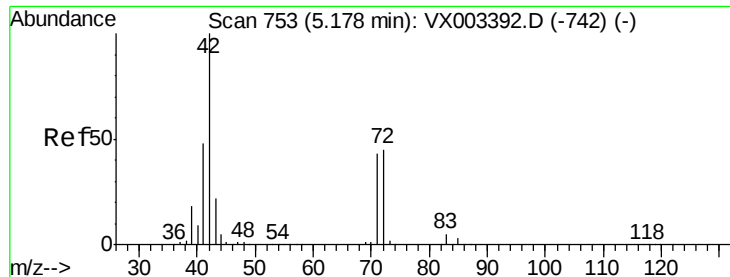


#28

Bromochloromethane
Concen: 20.34 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion: 49 Resp: 65972
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 86.2 61.2 91.8





#29

Tetrahydrofuran

Concen: 103.31 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

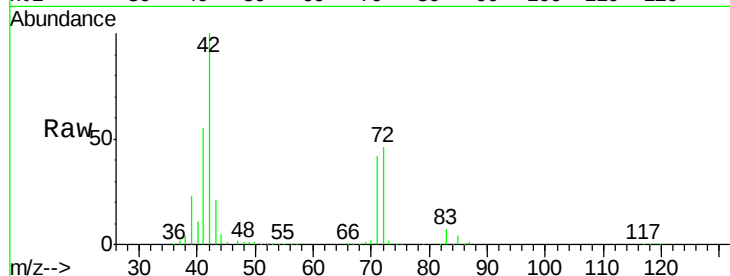
Tot Ion: 42 Resp: 198315

Ion Ratio Lower Upper

42 100

72 46.4 32.0 48.0

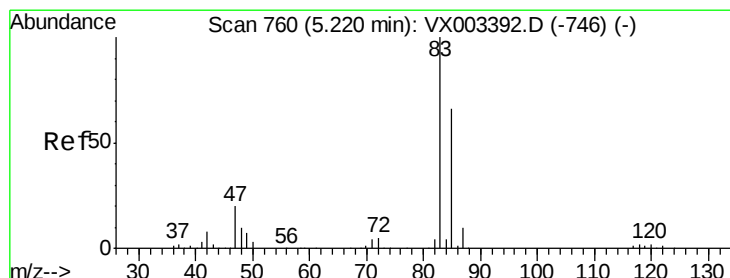
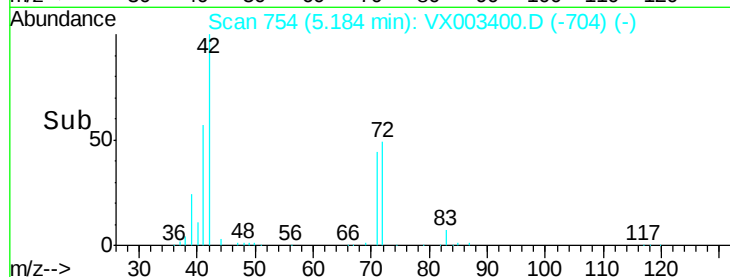
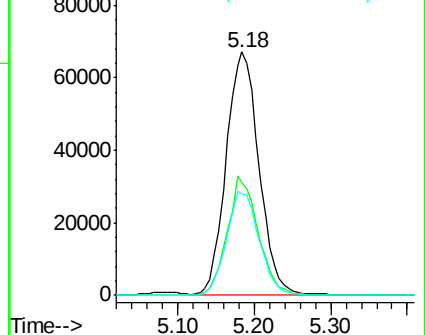
71 43.1 30.1 45.1



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: 20.98 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX003400.D

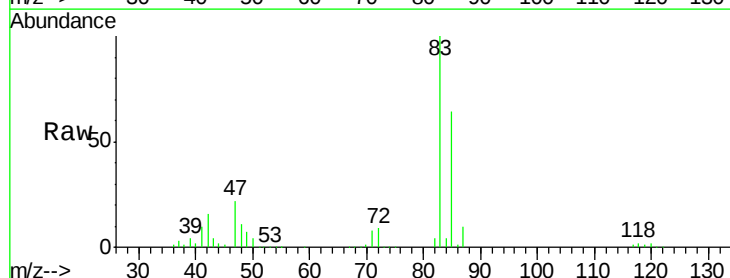
Acq: 16 Jul 2018 20:05

Tgt Ion: 83 Resp: 144467

Ion Ratio Lower Upper

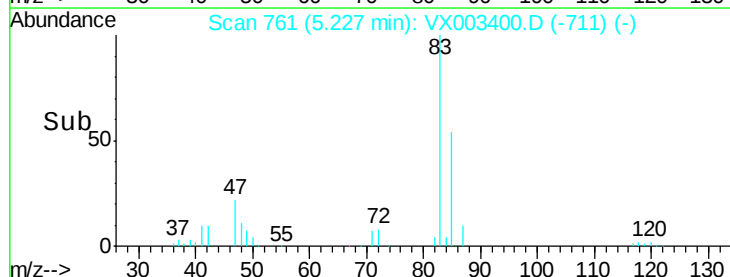
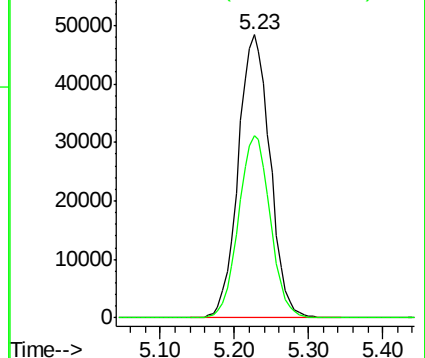
83 100

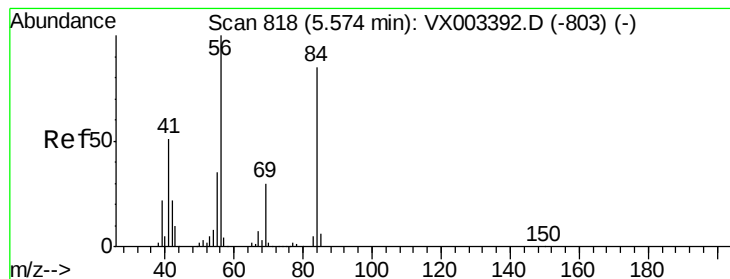
85 64.3 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 20.76 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

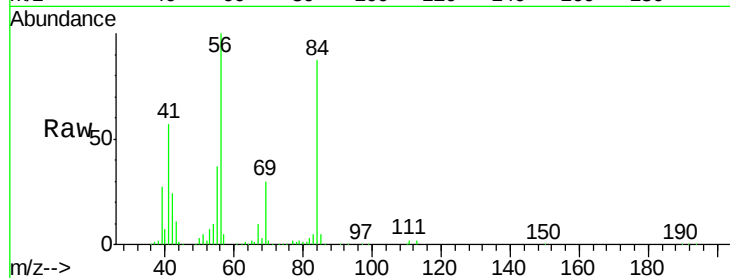
Tot Ion: 56 Resp: 119787

Ion Ratio Lower Upper

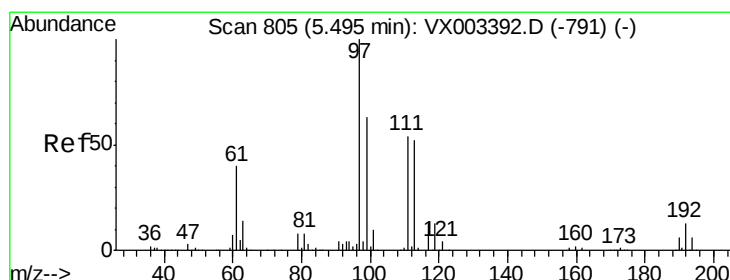
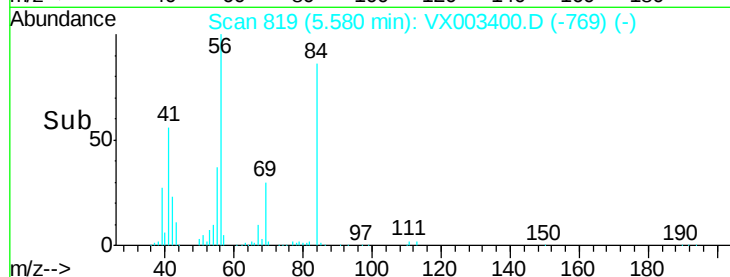
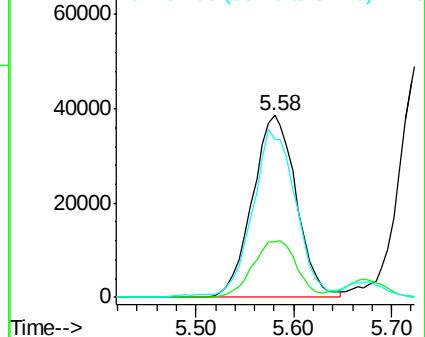
56 100

69 30.2 23.7 35.5

84 85.4 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.47 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

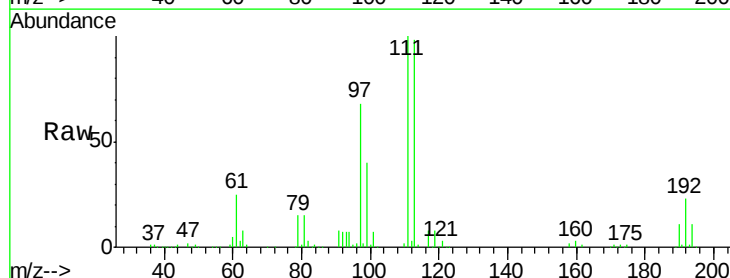
Tgt Ion: 97 Resp: 125732

Ion Ratio Lower Upper

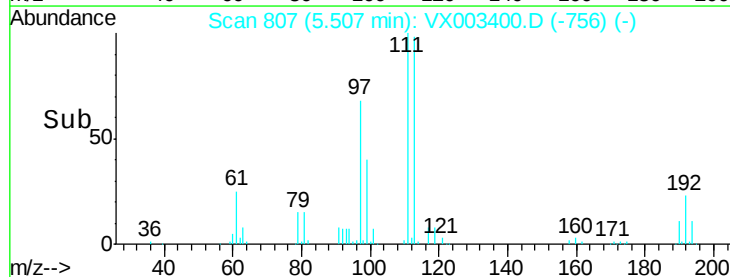
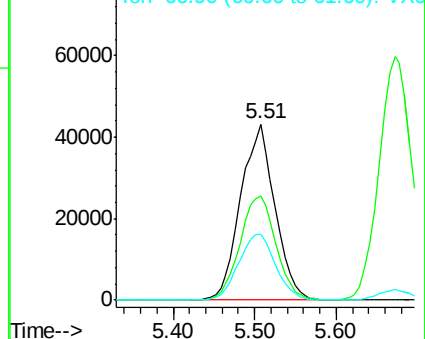
97 100

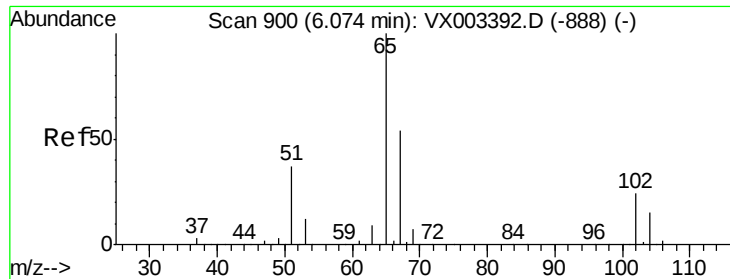
99 62.2 51.6 77.4

61 40.7 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

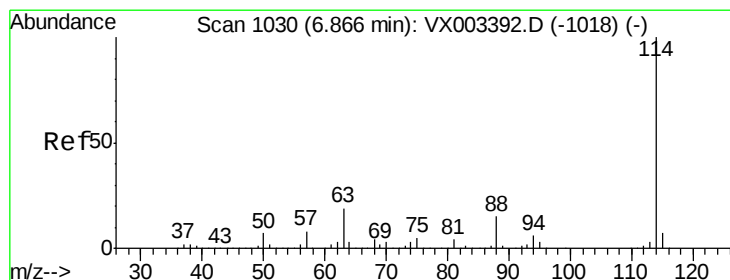
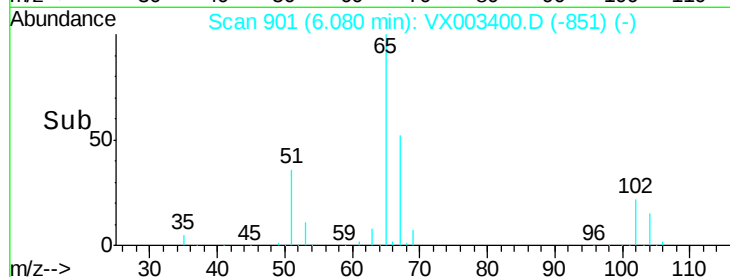
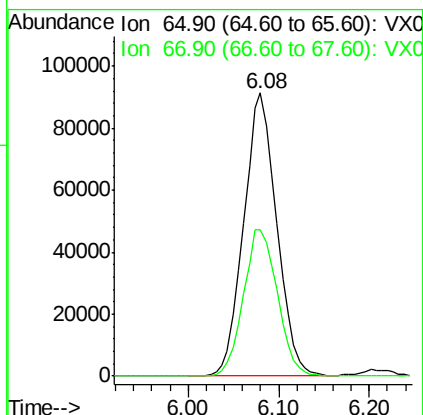
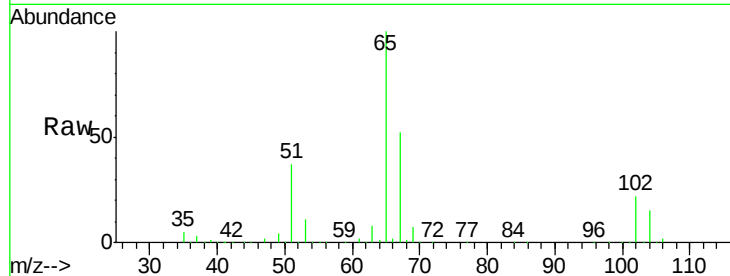




#33
 1,2-Dichloroethane-d4
 Concen: 49.57 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

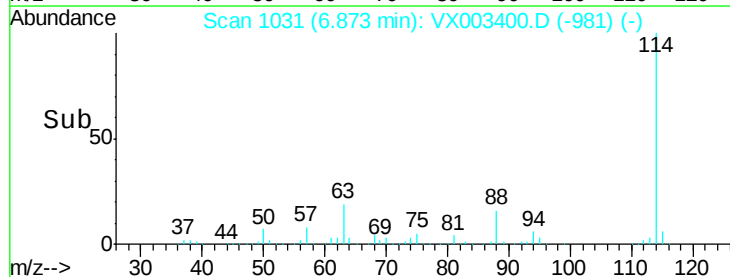
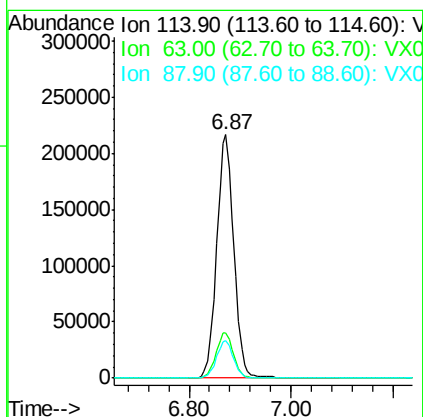
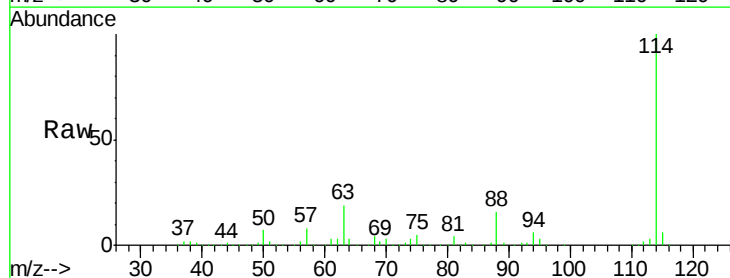
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

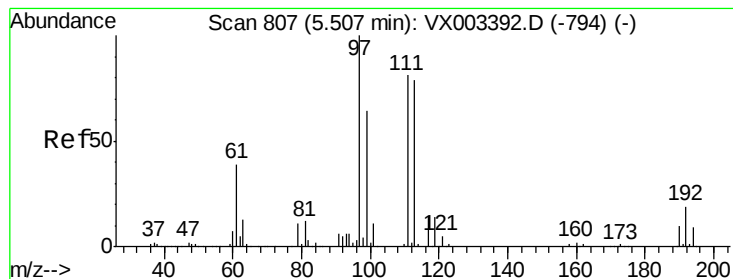
Tot Ion: 65 Resp: 230508
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion: 114 Resp: 504339
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.94 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

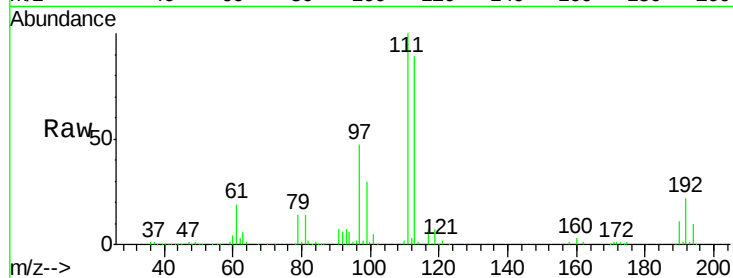
Tot Ion:113 Resp: 195636

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

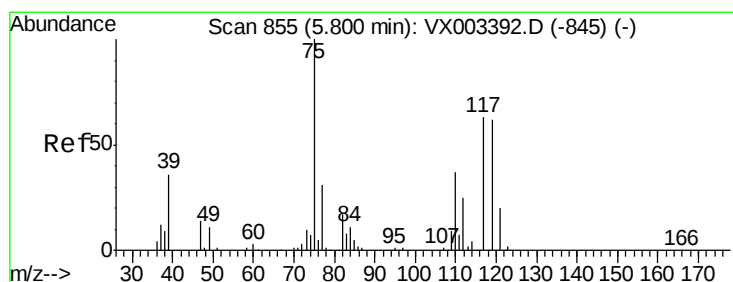
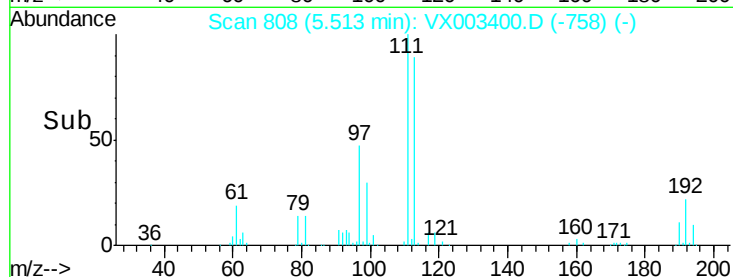
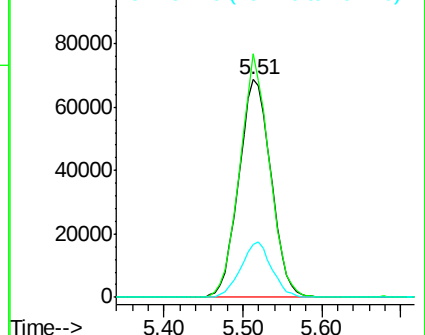
192 24.2 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.28 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

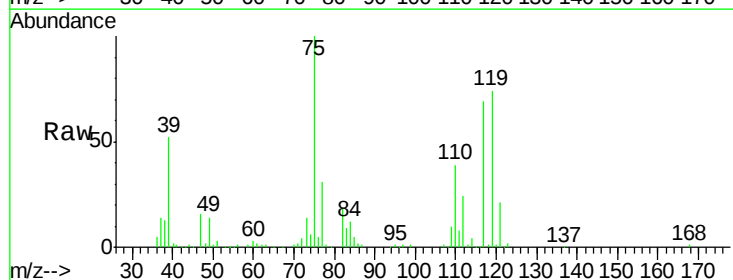
Tgt Ion: 75 Resp: 103583

Ion Ratio Lower Upper

75 100

110 38.7 18.1 54.4

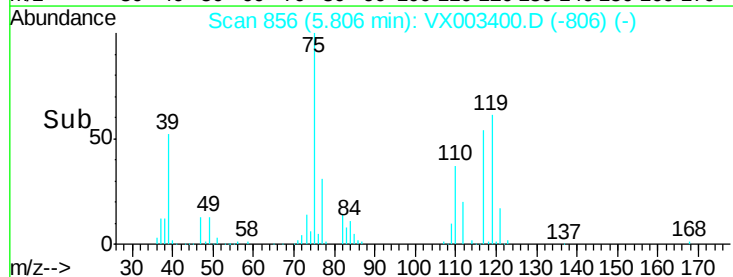
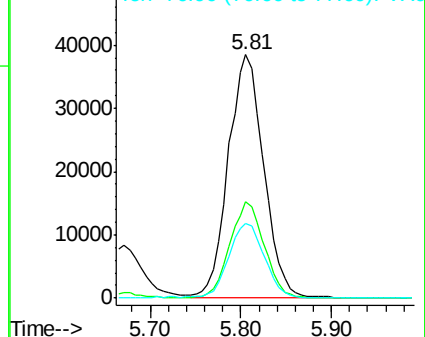
77 31.5 24.3 36.5

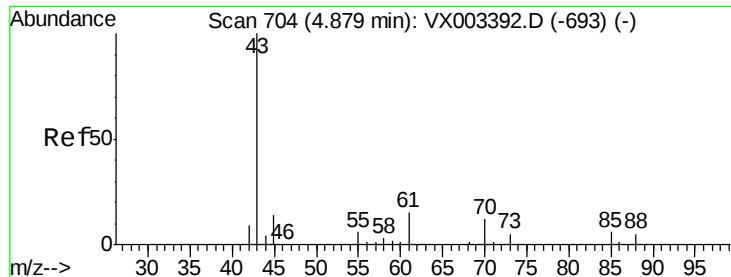


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

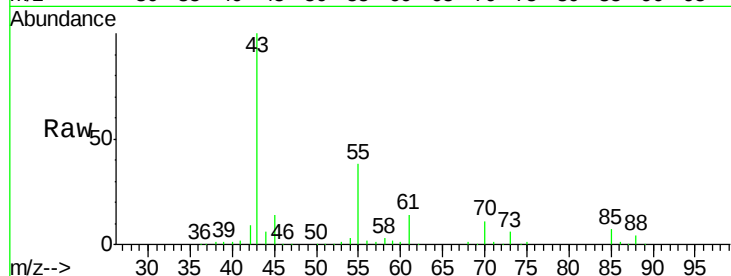




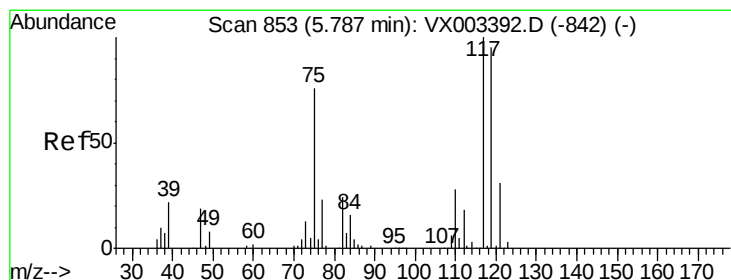
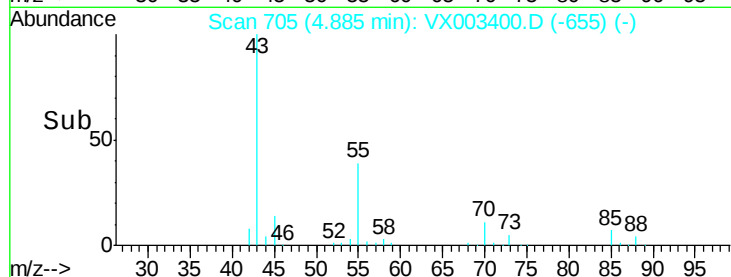
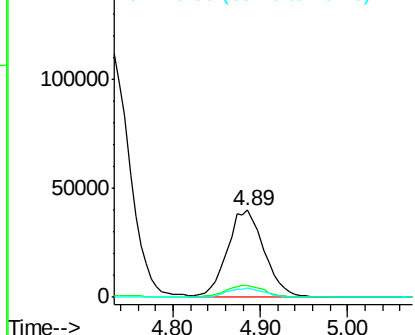
#37
Ethyl Acetate
Concen: 20.40 ug/l
RT: 4.89 min Scan# 705
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampled :
VX0716WBSD01

Tot Ion: 43 Resp: 117410
Ion Ratio Lower Upper
43 100
61 15.0 10.4 15.6
70 10.8 7.6 11.4

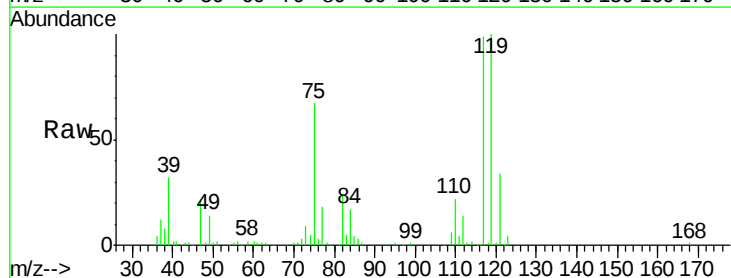


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

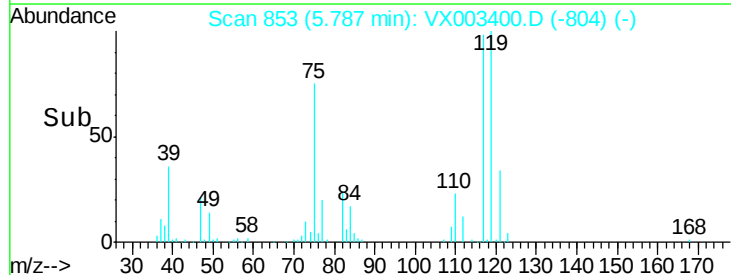
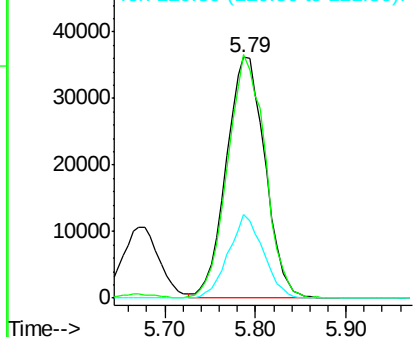


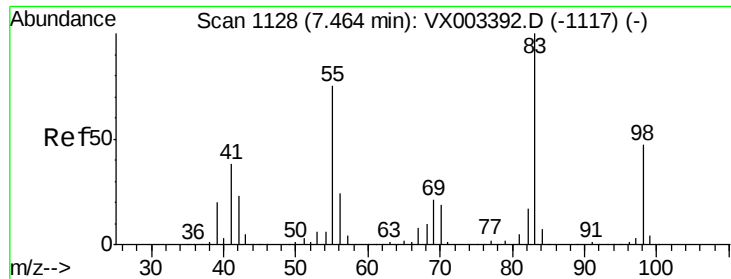
#38
Carbon Tetrachloride
Concen: 20.65 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion: 117 Resp: 107328
Ion Ratio Lower Upper
117 100
119 101.2 77.4 116.0
121 34.8 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

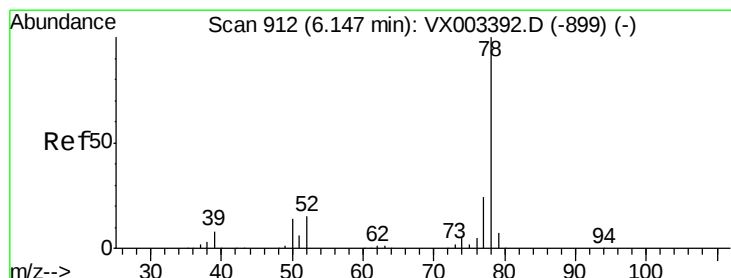
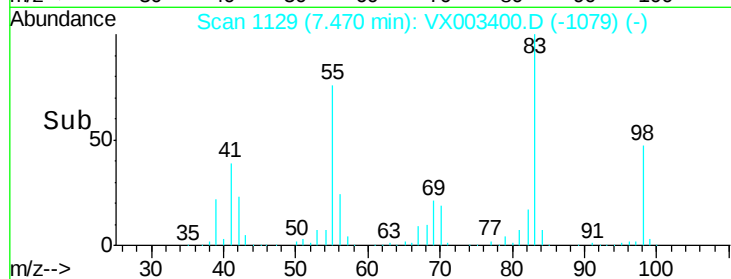
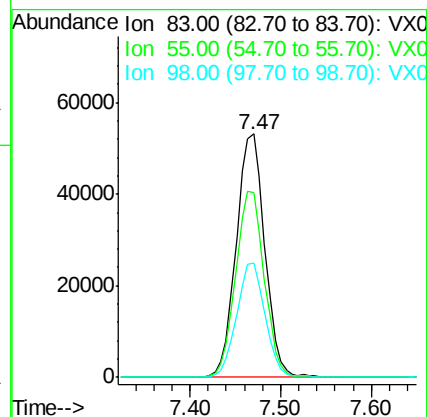
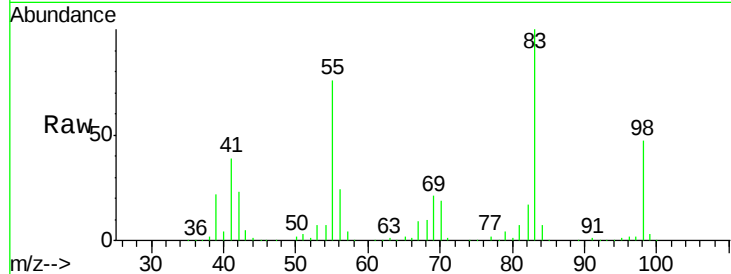




#39
Methvlcvclohexane
Concen: 19.89 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

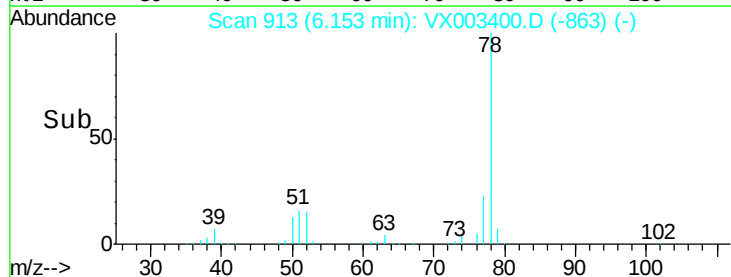
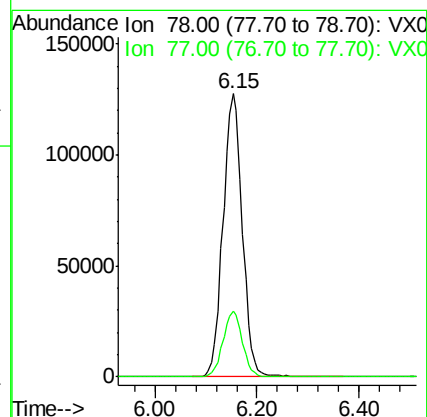
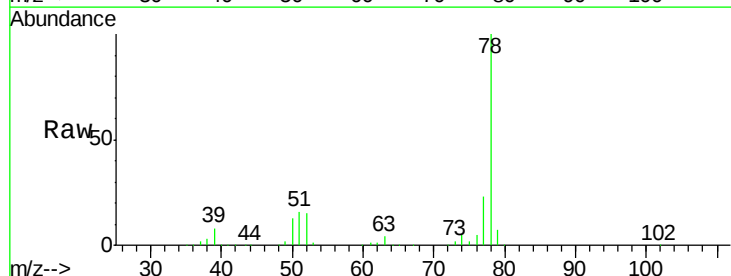
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

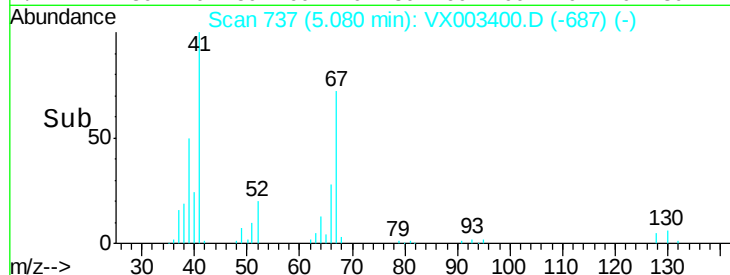
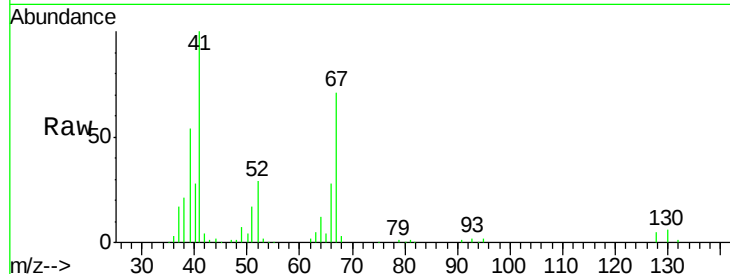
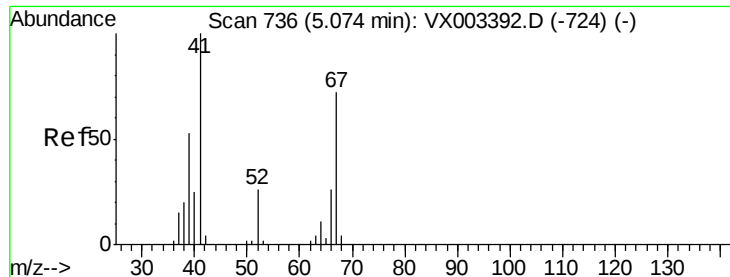
Tot Ion: 83 Resp: 116299
Ion Ratio Lower Upper
83 100
55 75.6 65.4 98.0
98 47.1 37.4 56.0



#40
Benzene
Concen: 21.45 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion: 78 Resp: 333276
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

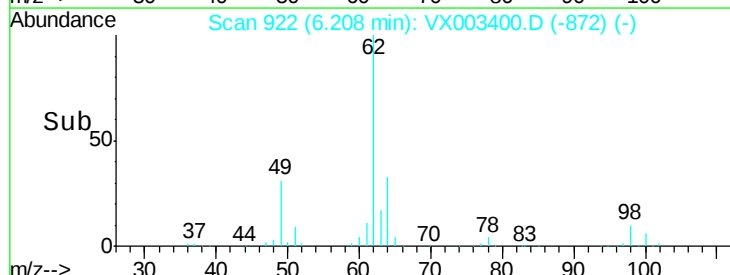
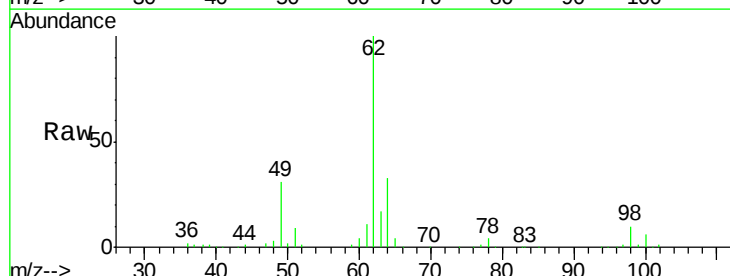
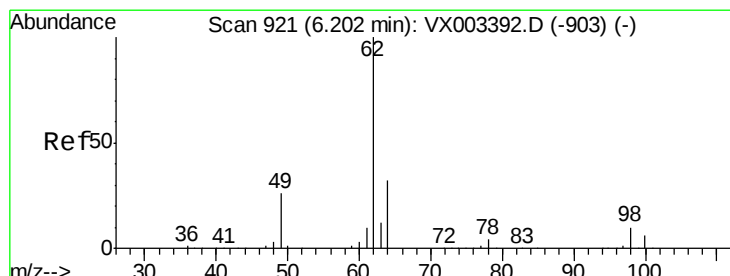
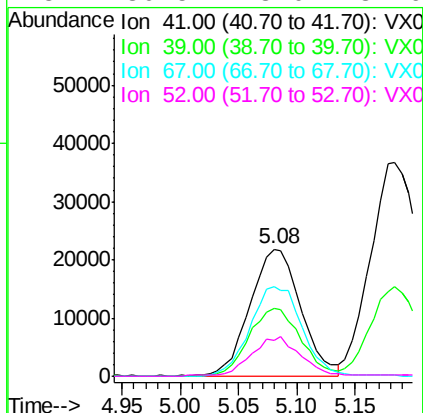




#41
Methacrylonitrile
Concen: 20.74 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

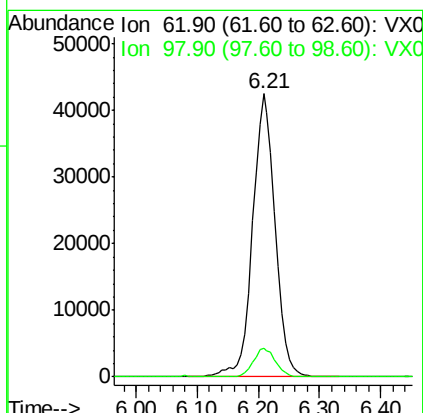
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

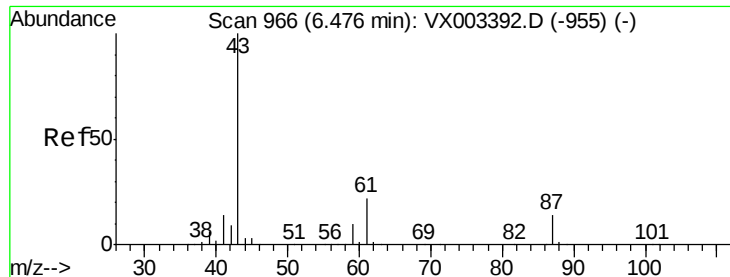
Tot Ion:	41	Resp:	65629
Ion	Ratio	Lower	Upper
41	100		
39	54.1	45.8	68.6
67	73.1	51.3	76.9
52	30.5	23.0	34.6



#42
1,2-Dichloroethane
Concen: 20.69 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion:	62	Resp:	110253
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	16.6



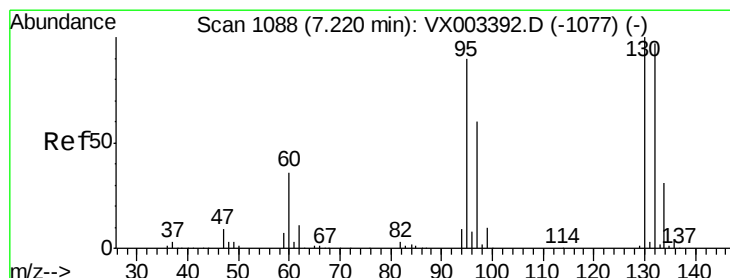
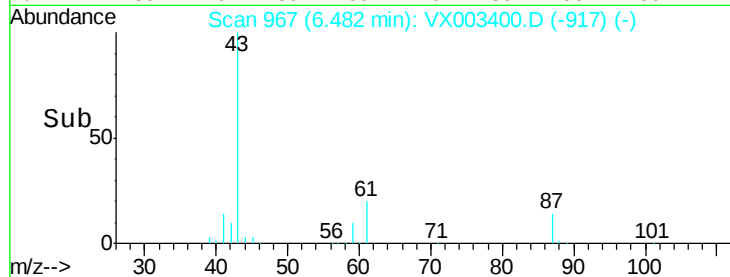
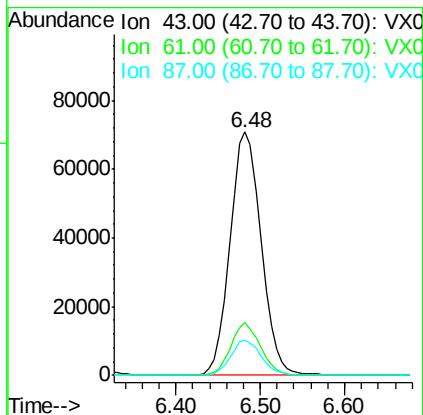
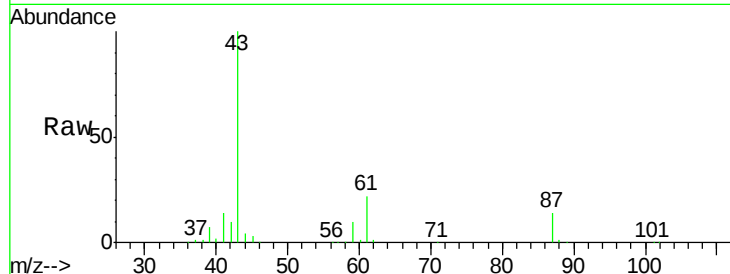


#43

Isopropyl Acetate
 Concen: 20.34 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

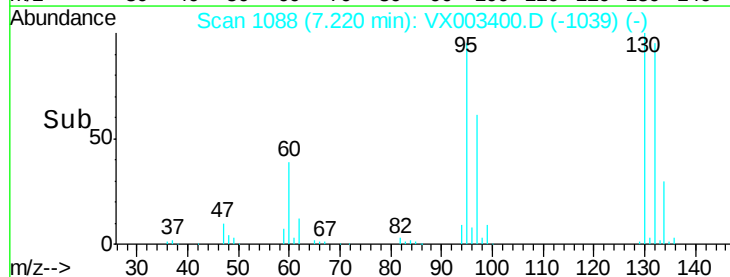
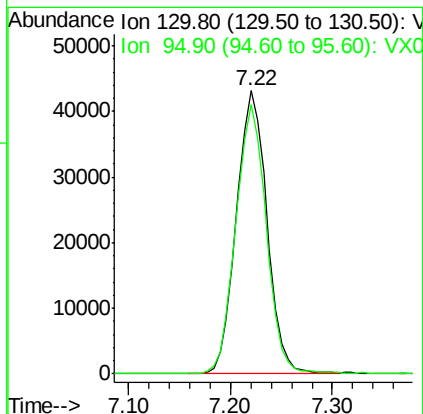
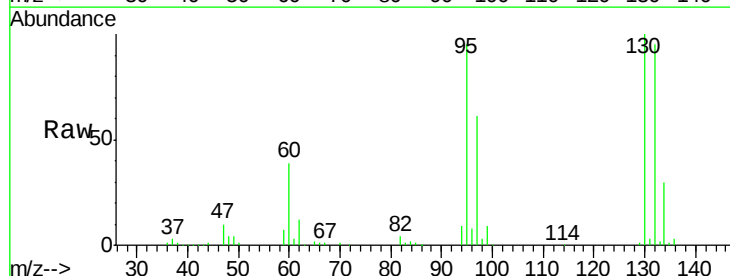
Tot Ion: 43 Resp: 176680
 Ion Ratio Lower Upper
 43 100
 61 20.7 14.4 21.6
 87 14.0 9.5 14.3

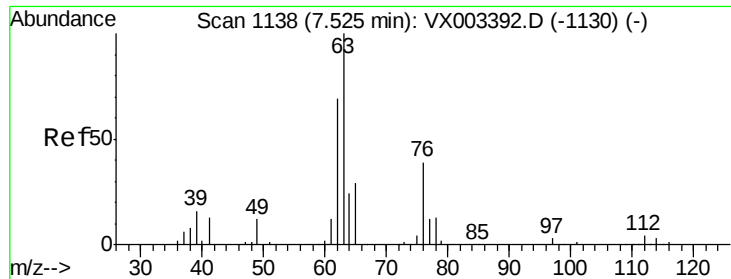


#44

Trichloroethene
 Concen: 19.96 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion:130 Resp: 89862
 Ion Ratio Lower Upper
 130 100
 95 95.2 0.0 185.4





#45

1,2-Dichloropropane

Concen: 20.58 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

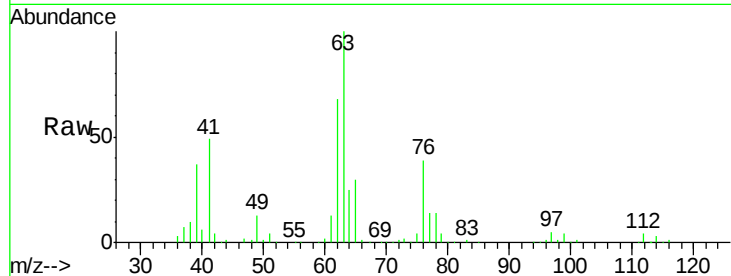
VX0716WBSD01

Tot Ion: 63 Resp: 83206

Ion Ratio Lower Upper

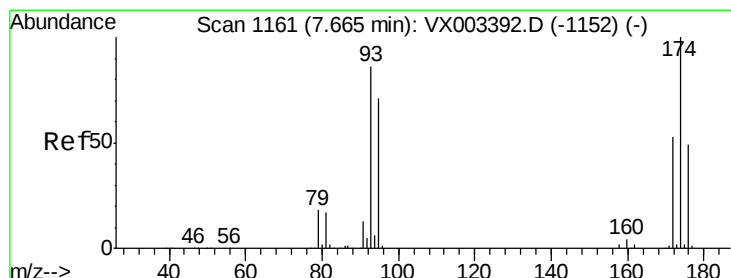
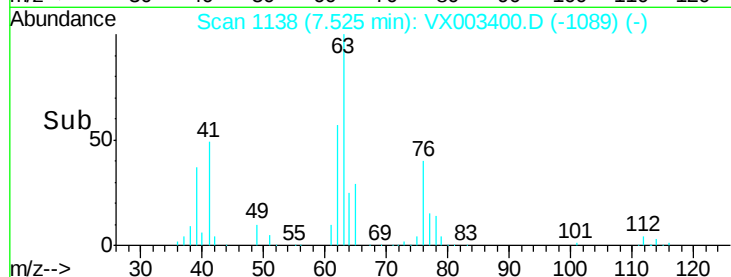
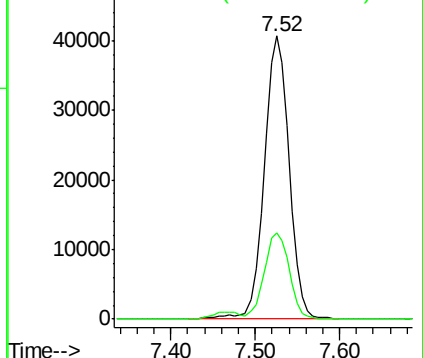
63 100

65 30.4 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.32 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

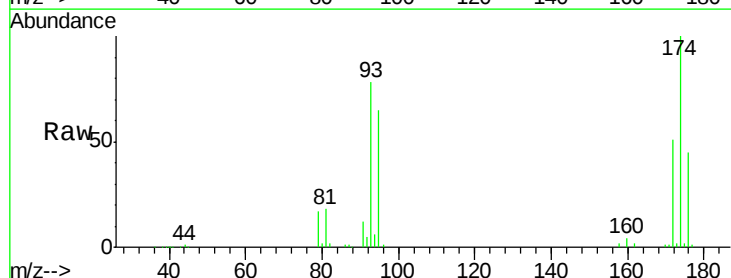
Tgt Ion: 93 Resp: 54679

Ion Ratio Lower Upper

93 100

95 83.3 65.9 98.9

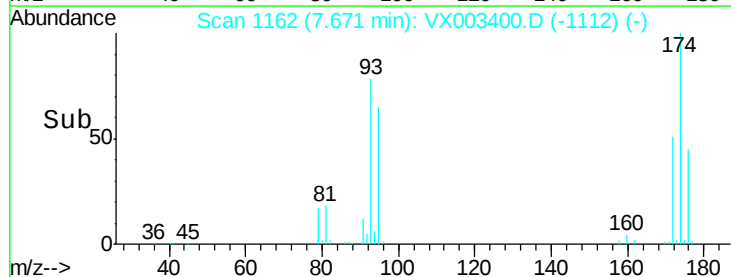
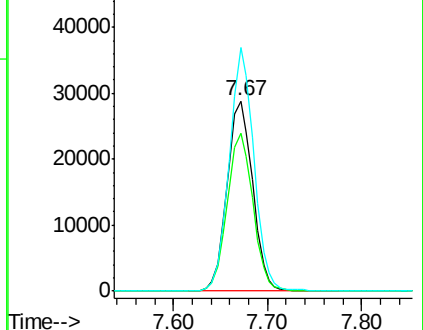
174 122.6 92.4 138.6

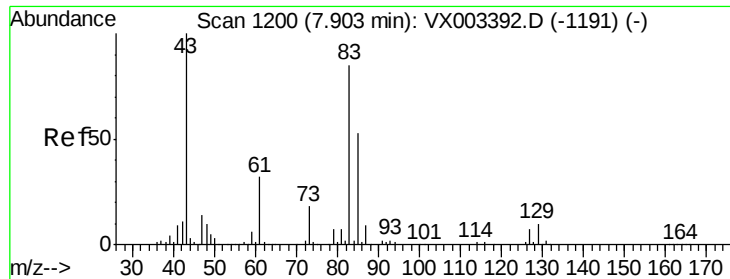


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.49 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

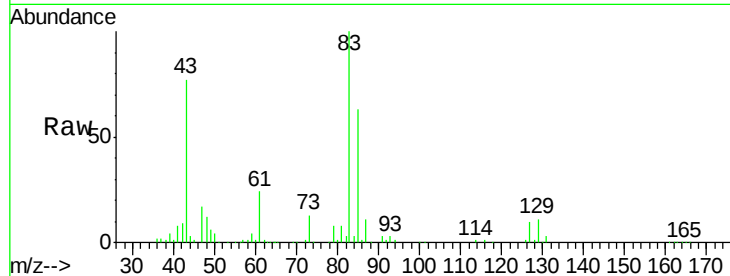
Tot Ion: 83 Resp: 101006

Ion Ratio Lower Upper

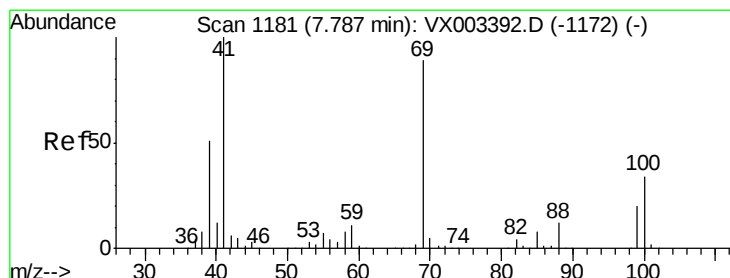
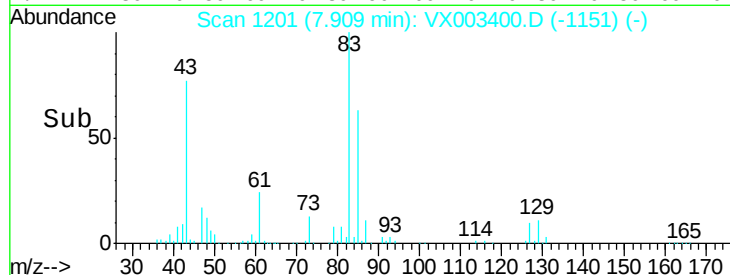
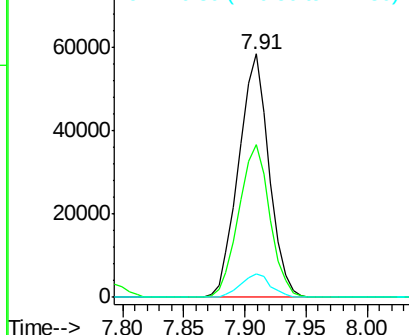
83 100

85 62.6 50.3 75.5

127 9.6 7.0 10.4



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



#48

Methyl methacrylate

Concen: 21.03 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

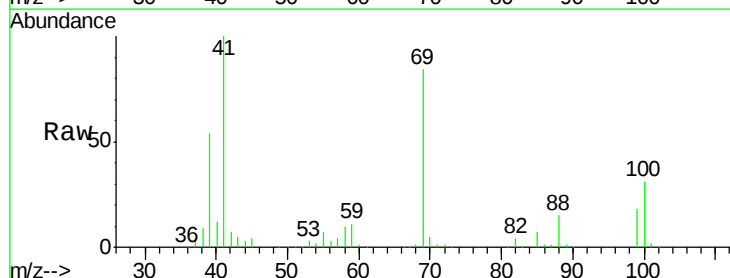
Tgt Ion: 41 Resp: 93211

Ion Ratio Lower Upper

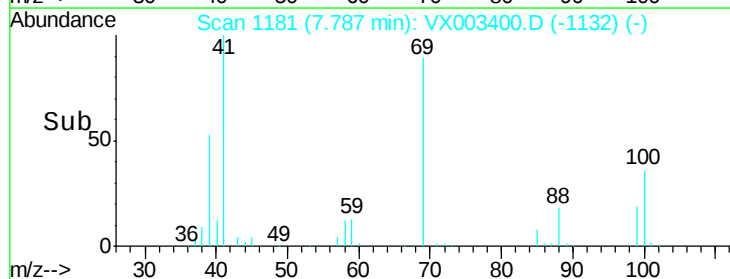
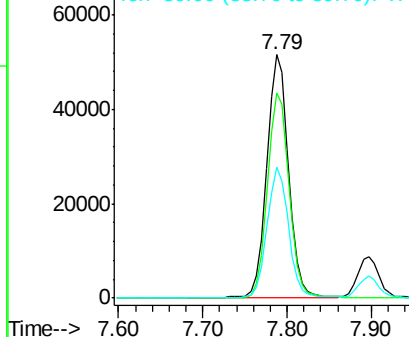
41 100

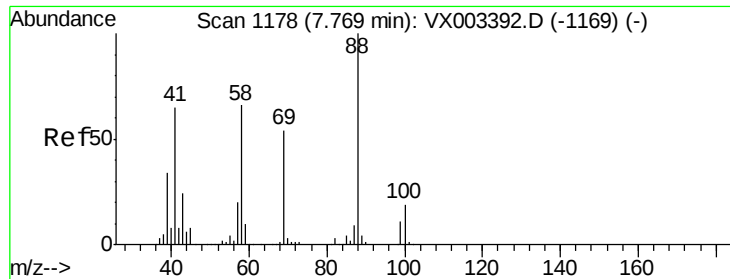
69 83.9 59.1 88.7

39 52.3 48.9 73.3



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

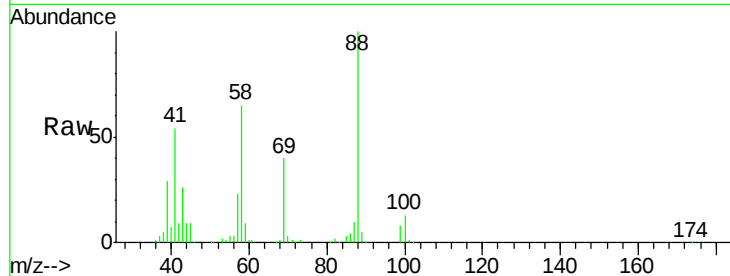




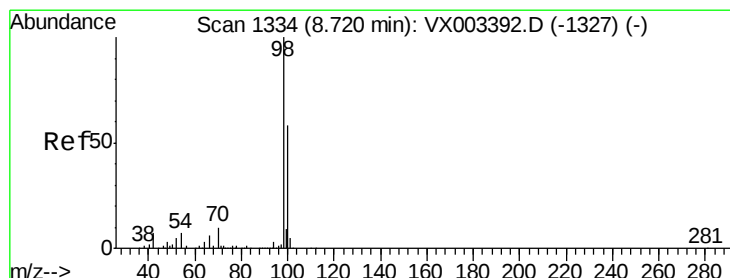
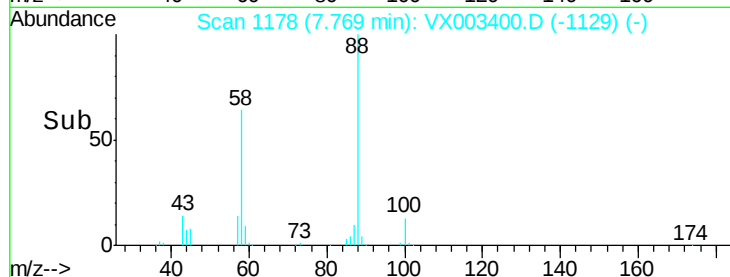
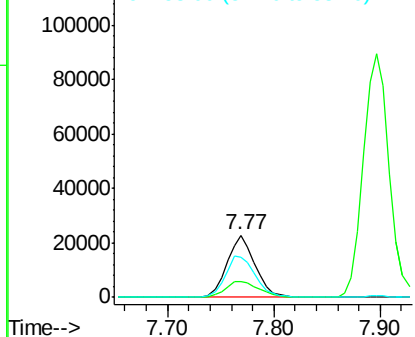
#49
 1,4-Dioxane
 Concen: 411.03 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion: 88 Resp: 41704
 Ion Ratio Lower Upper
 88 100
 43 30.2 29.8 44.6
 58 71.7 57.1 85.7

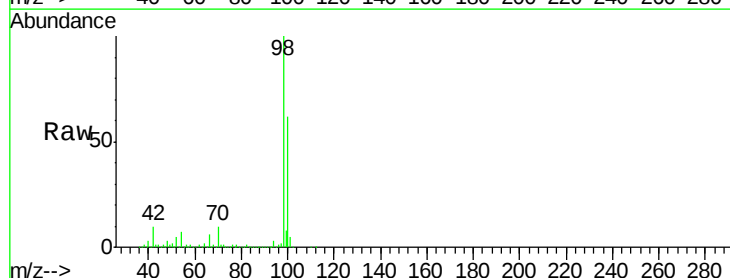


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

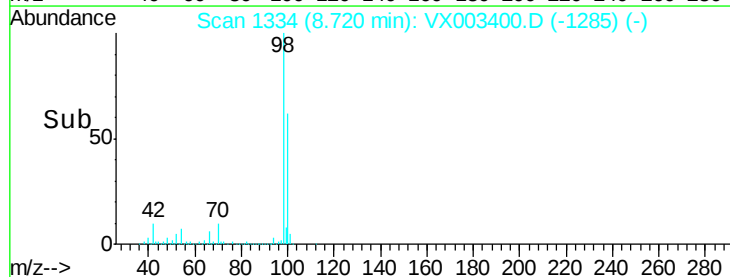
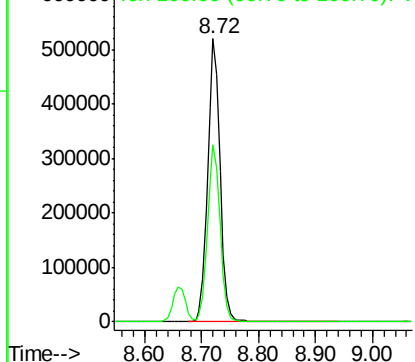


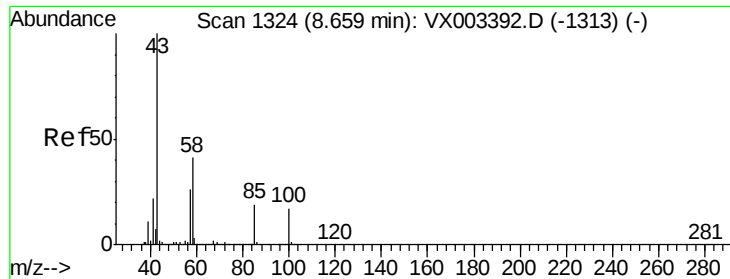
#50
 Toluene-d8
 Concen: 52.56 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion: 98 Resp: 791463
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.9 76.3



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: 108.84 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

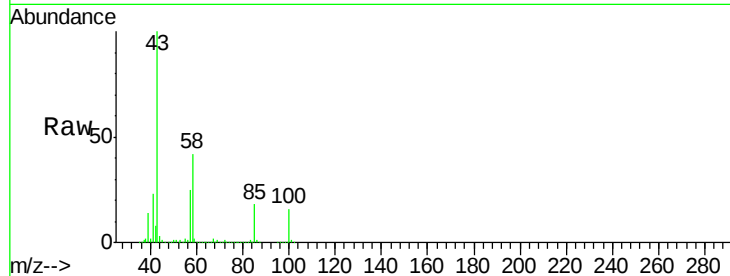
VX0716WBSD01

Tot Ion: 43 Resp: 622296

Ion Ratio Lower Upper

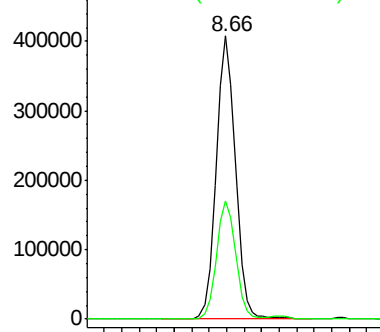
43 100

58 41.3 28.6 42.8

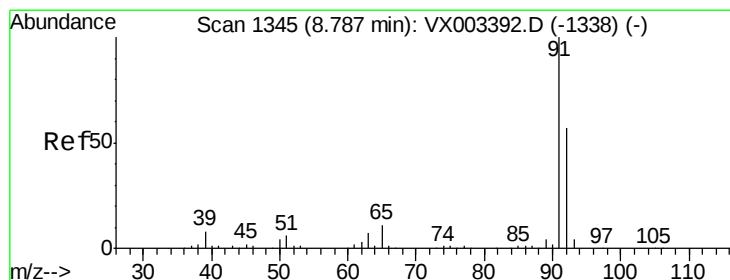
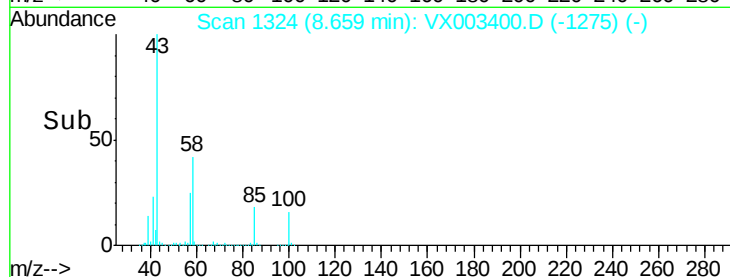


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 22.01 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX003400.D

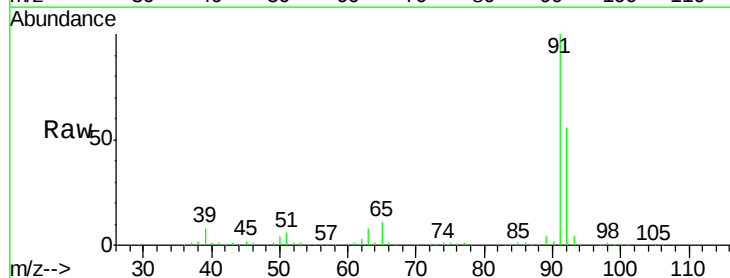
Acq: 16 Jul 2018 20:05

Tgt Ion: 92 Resp: 214115

Ion Ratio Lower Upper

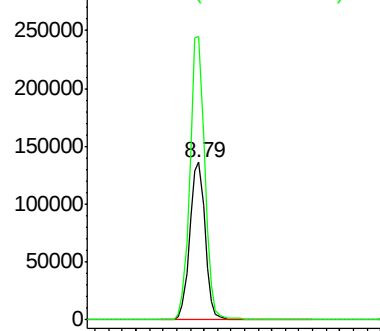
92 100

91 174.8 140.4 210.6

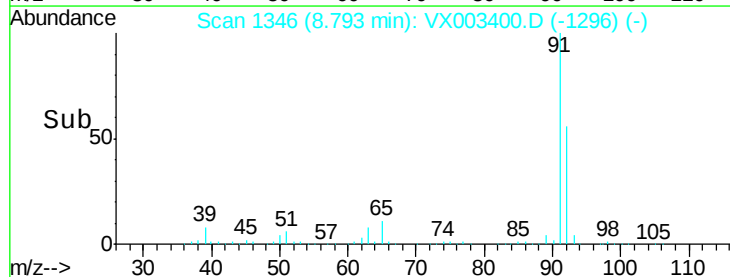


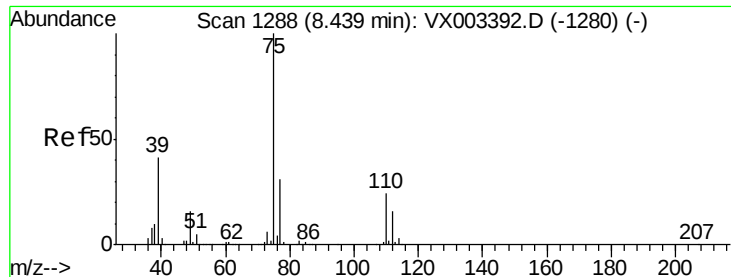
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





#53

t-1,3-Dichloropropene

Concen: 21.48 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

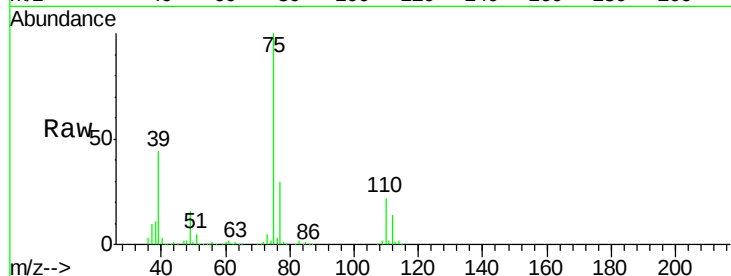
VX0716WBSD01

Tot Ion: 75 Resp: 124982

Ion Ratio Lower Upper

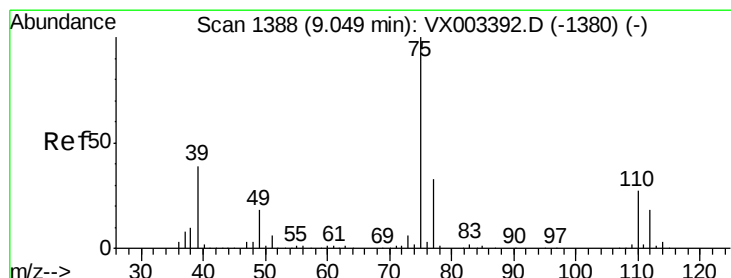
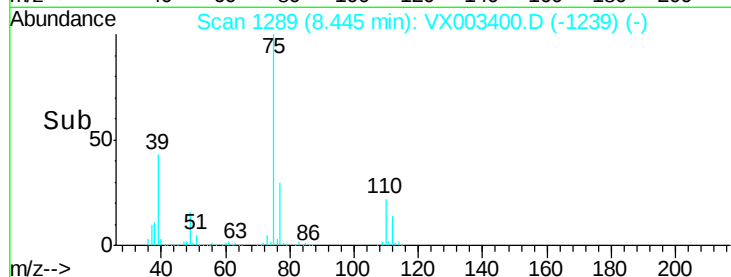
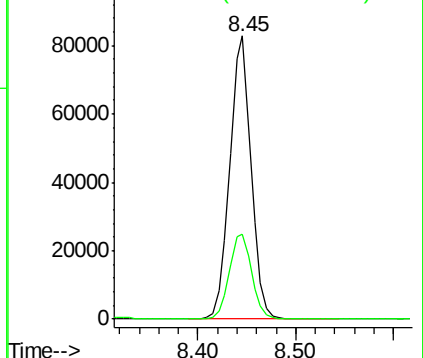
75 100

77 30.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

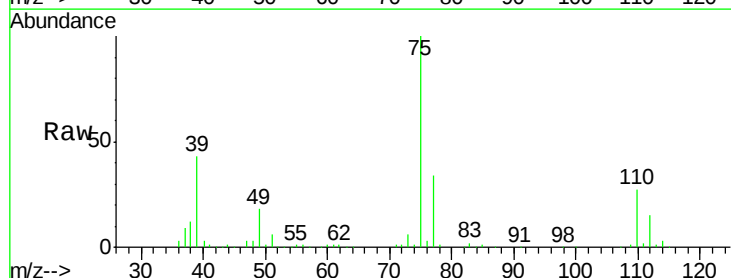
Tgt Ion: 75 Resp: 105296

Ion Ratio Lower Upper

75 100

77 33.9 24.8 37.2

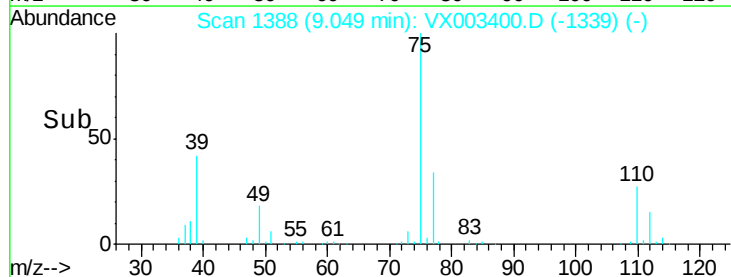
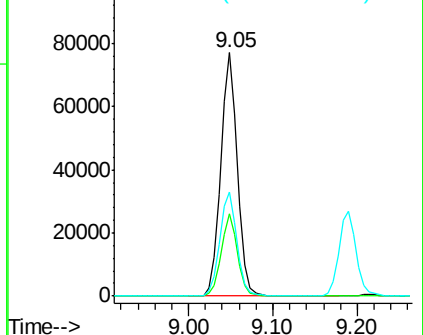
39 42.5 42.4 63.6

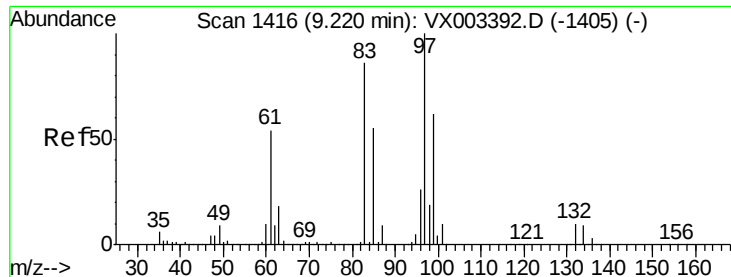


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 19.99 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

Tot Ion: 97 Resp: 81250

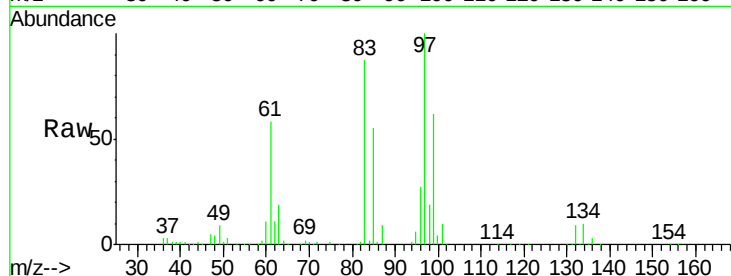
Ion Ratio Lower Upper

97 100

83 87.4 70.2 105.2

85 54.8 44.9 67.3

99 62.2 49.8 74.8

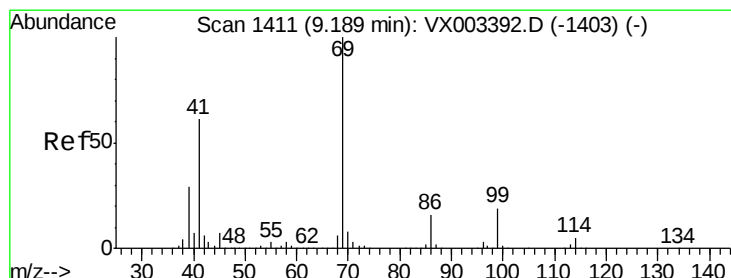
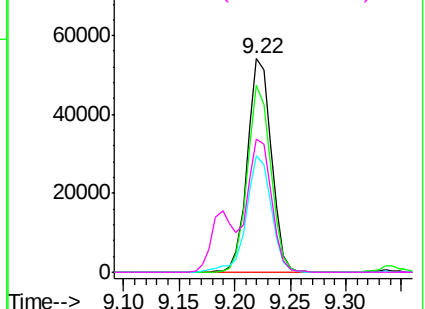
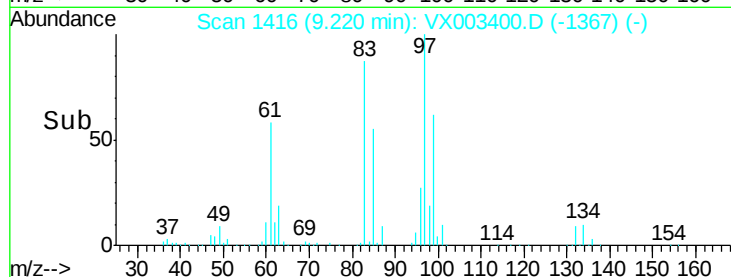


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.60 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

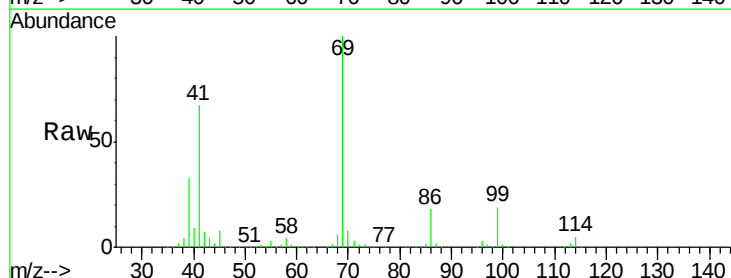
Tgt Ion: 69 Resp: 112780

Ion Ratio Lower Upper

69 100

41 68.1 60.3 90.5

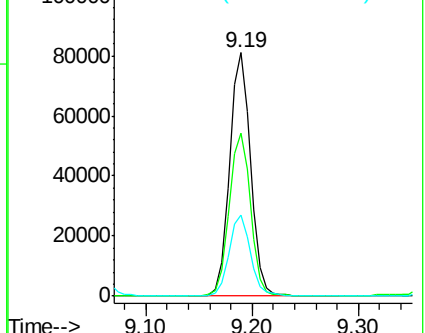
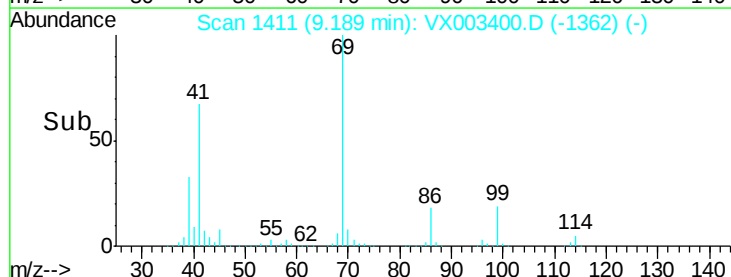
39 33.6 35.8 53.8#

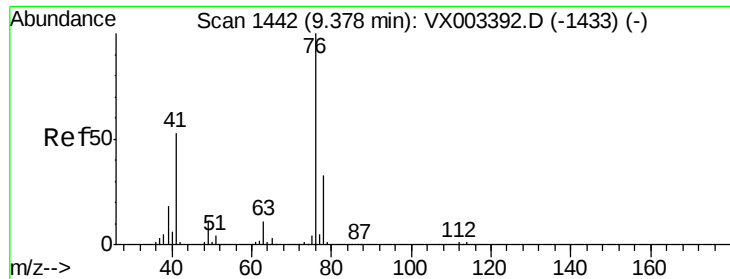


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

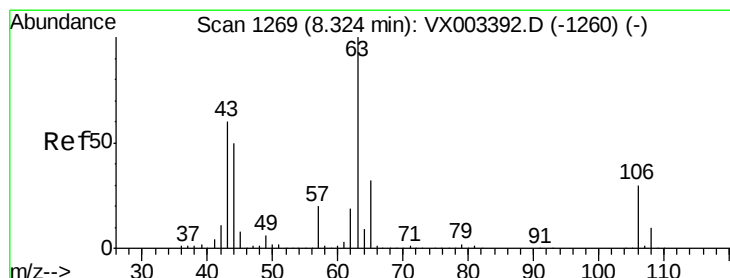
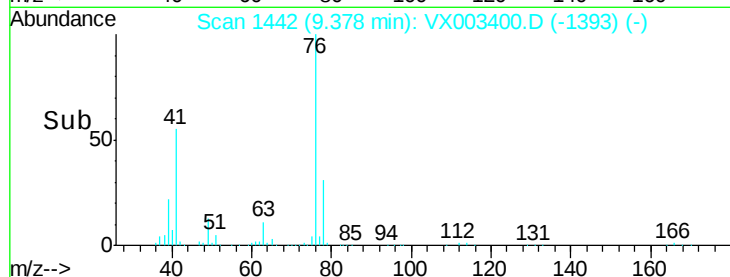
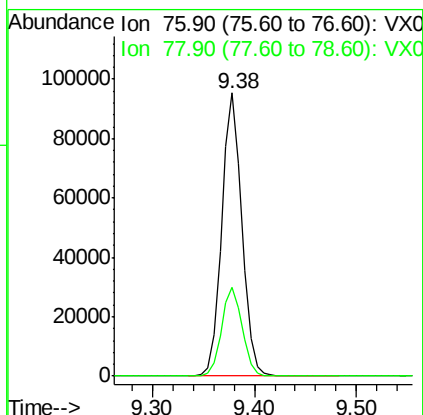
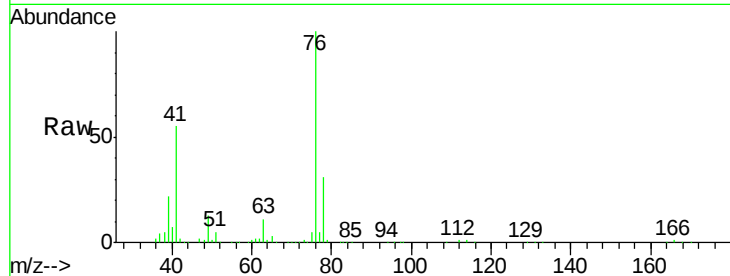




#57
 1,3-Dichloropropane
 Concen: 20.06 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

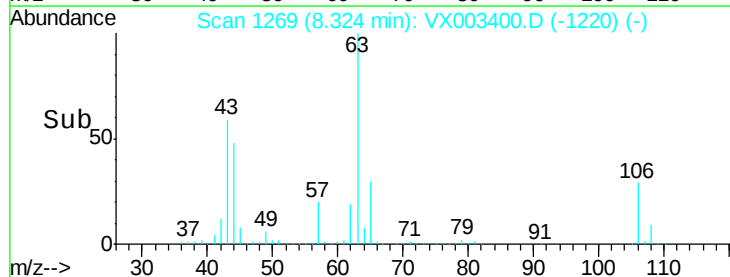
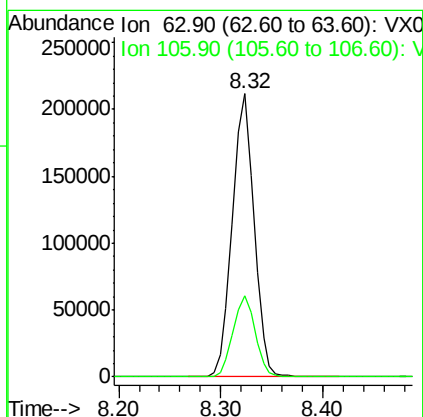
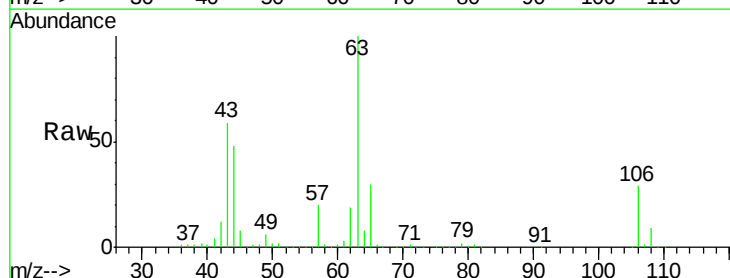
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0716WBSD01

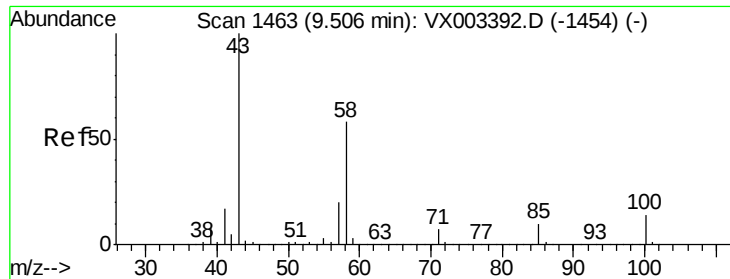
Tot Ion: 76 Resp: 130998
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.34 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion: 63 Resp: 312658
 Ion Ratio Lower Upper
 63 100
 106 29.1 21.8 32.8

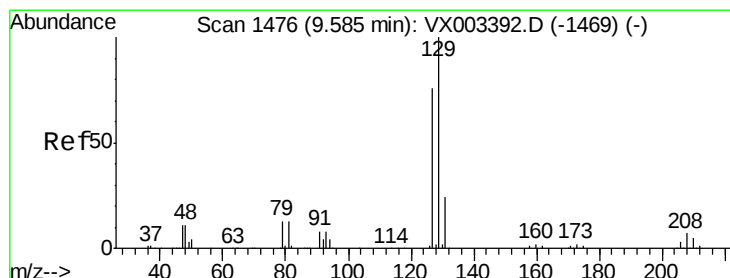
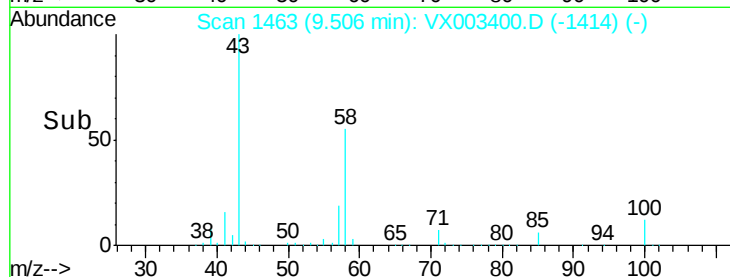
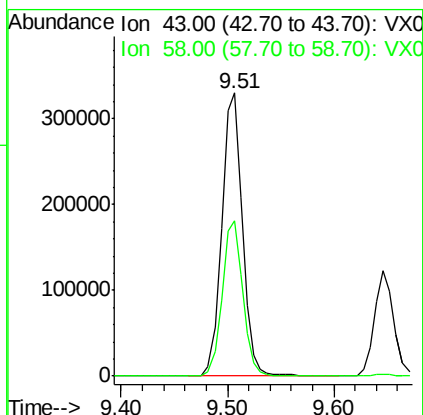
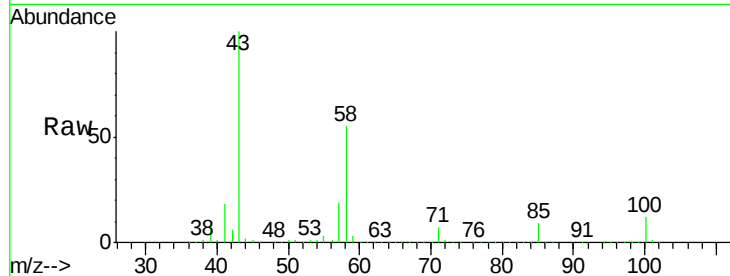




#59
2-Hexanone
Concen: 101.74 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

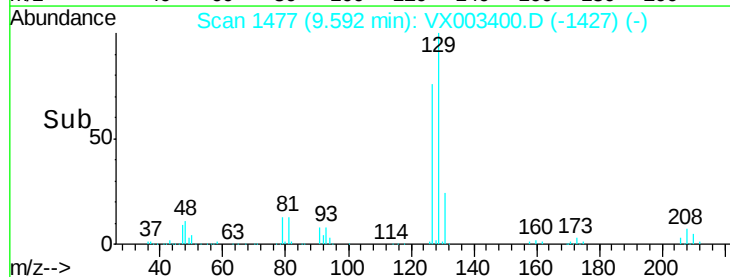
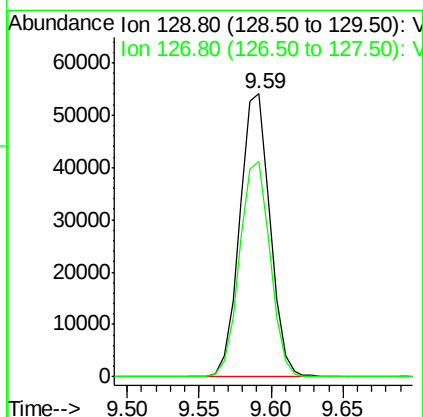
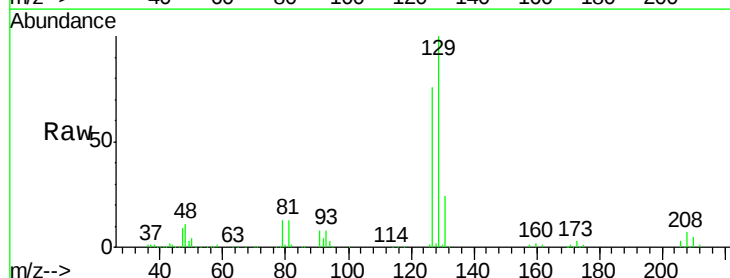
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

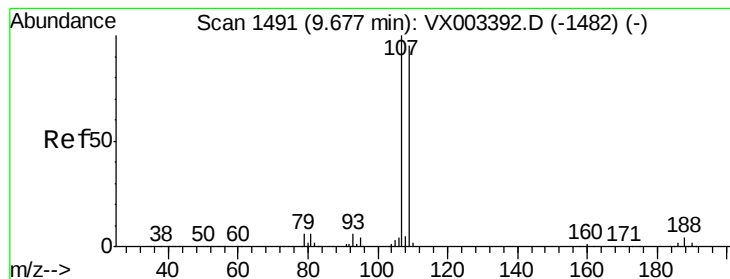
Tot Ion: 43 Resp: 446954
Ion Ratio Lower Upper
43 100
58 55.0 24.6 73.6



#60
Dibromochloromethane
Concen: 19.45 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion: 129 Resp: 78566
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.88 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

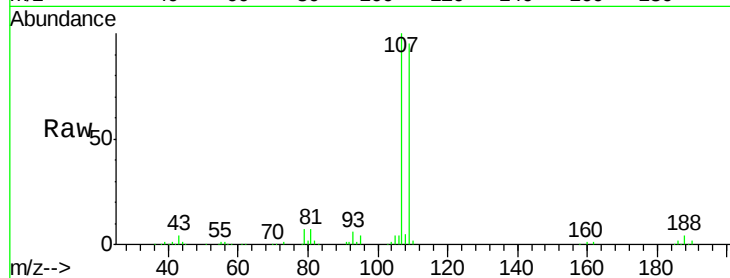
VX0716WBSD01

Tot Ion:107 Resp: 83316

Ion Ratio Lower Upper

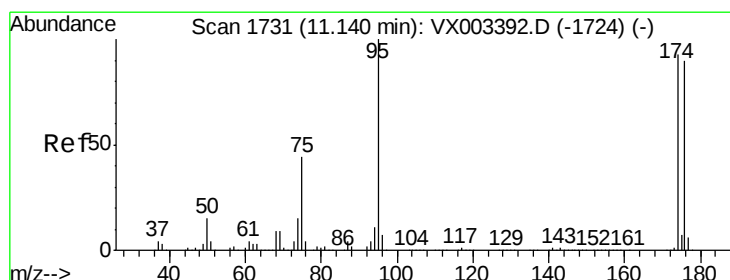
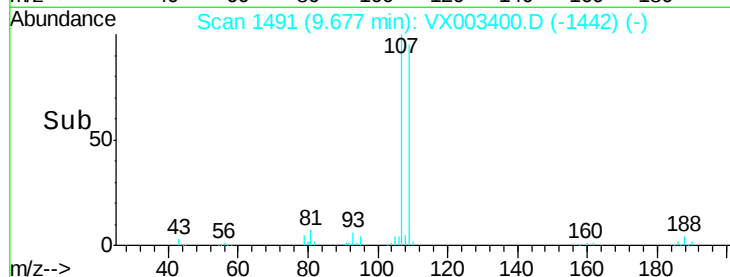
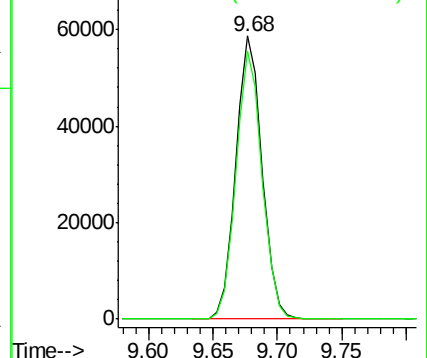
107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

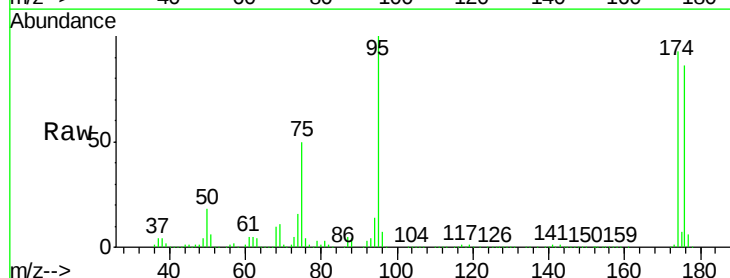
Tgt Ion: 95 Resp: 262515

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.4

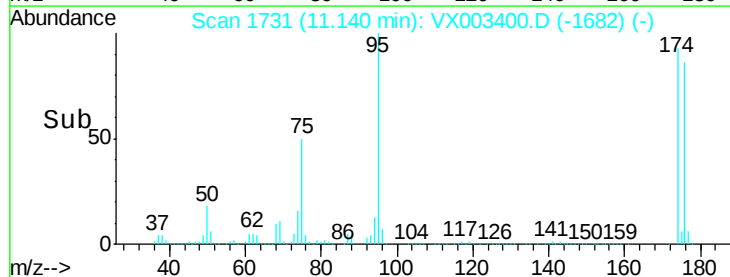
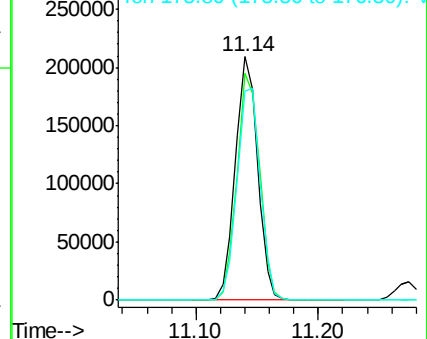
176 90.8 0.0 181.0

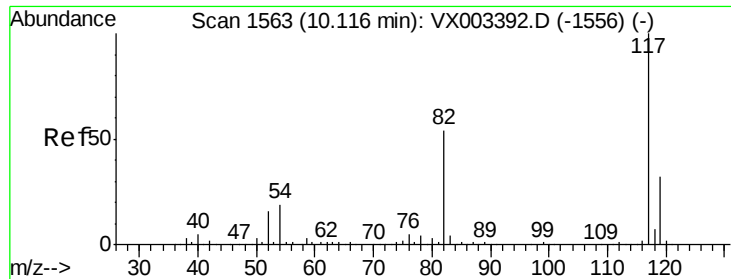


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

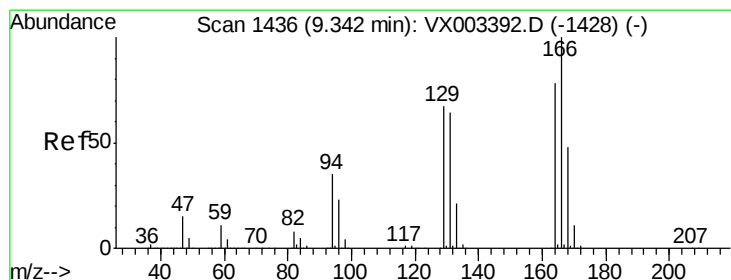
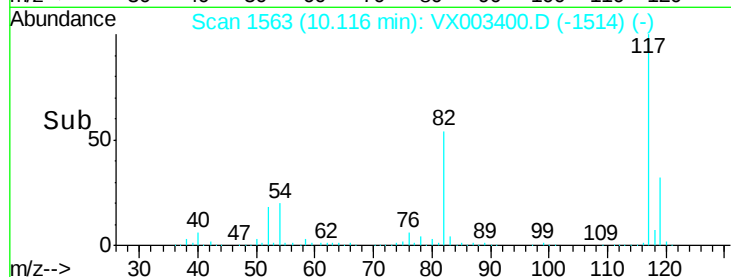
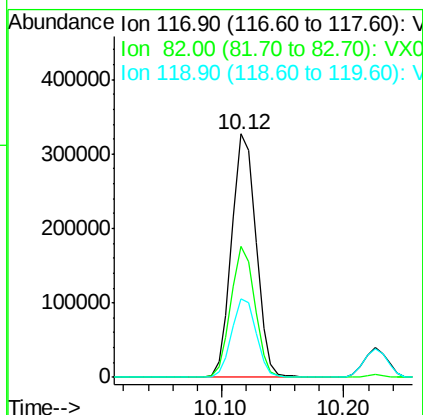
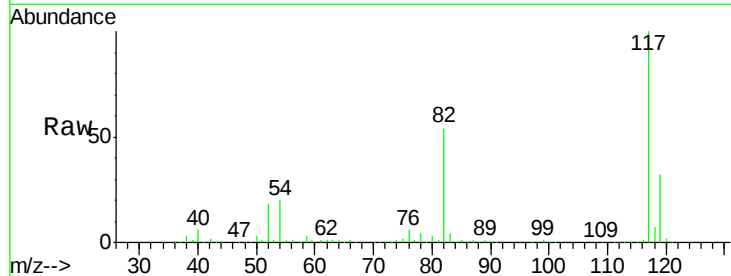




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

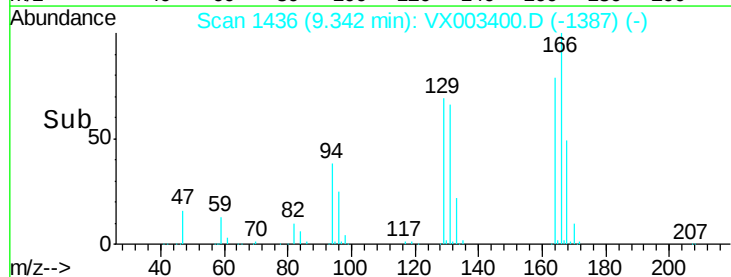
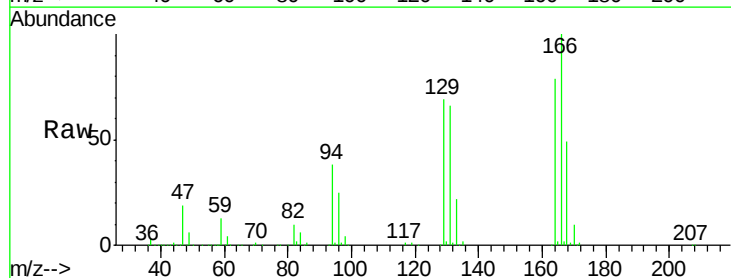
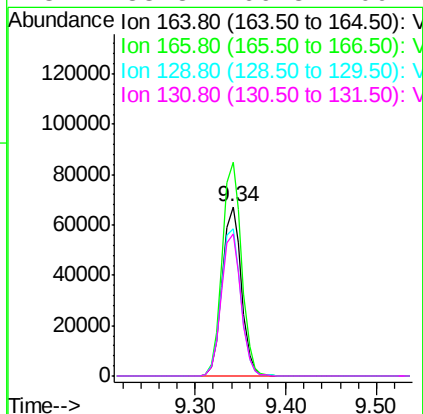
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

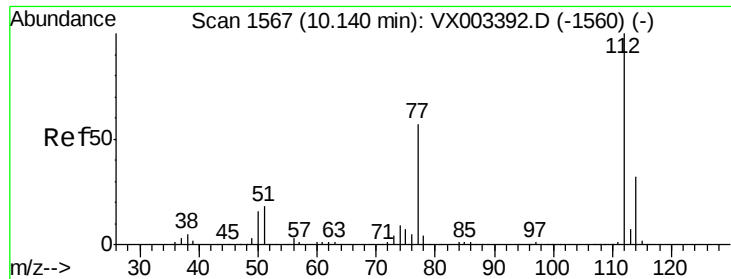
Tot Ion:117 Resp: 450350
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 21.10 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion:164 Resp: 99394
Ion Ratio Lower Upper
164 100
166 126.0 102.9 154.3
129 87.2 68.6 102.8
131 83.8 66.8 100.2





#65

Chlorobenzene

Concen: 20.62 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

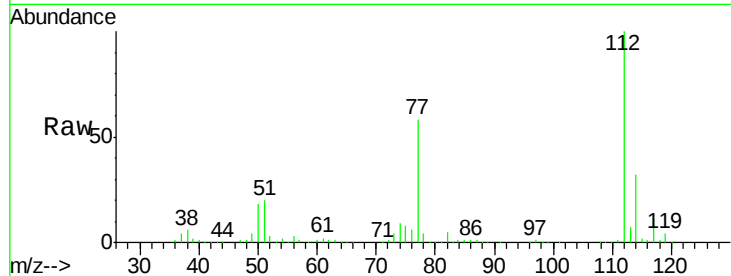
VX0716WBSD01

Tot Ion:112 Resp: 219348

Ion Ratio Lower Upper

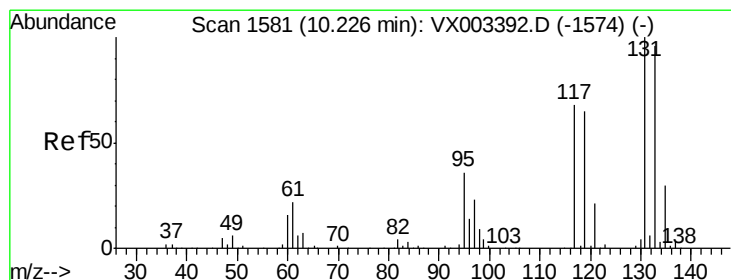
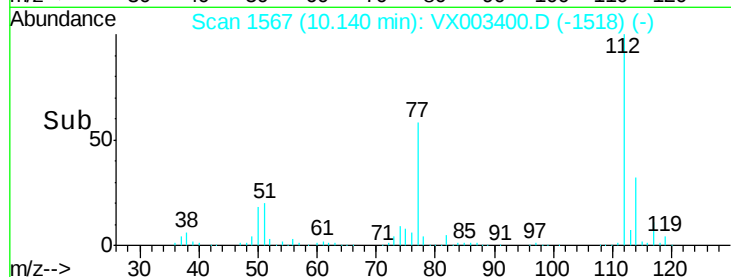
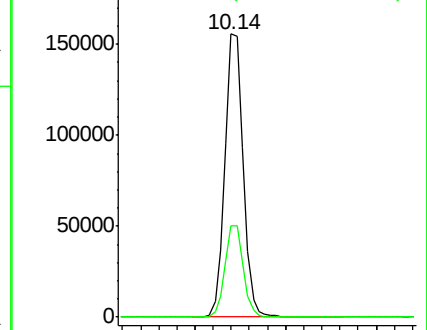
112 100

114 32.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.62 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

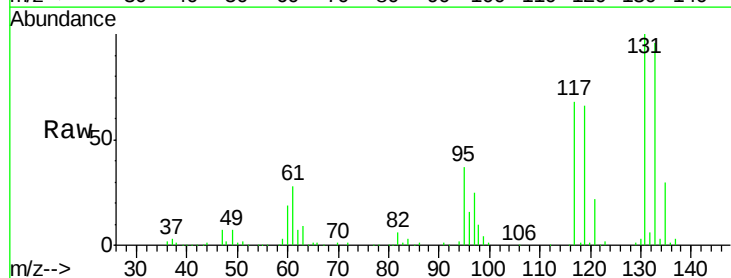
Tgt Ion:131 Resp: 77971

Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.6

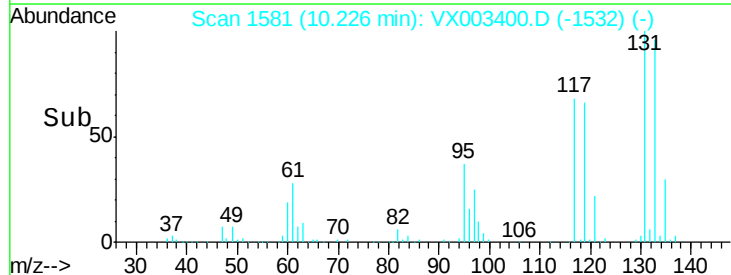
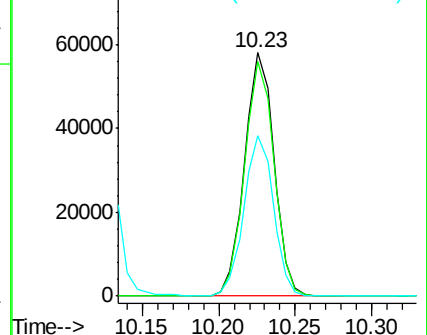
119 66.1 31.8 95.3

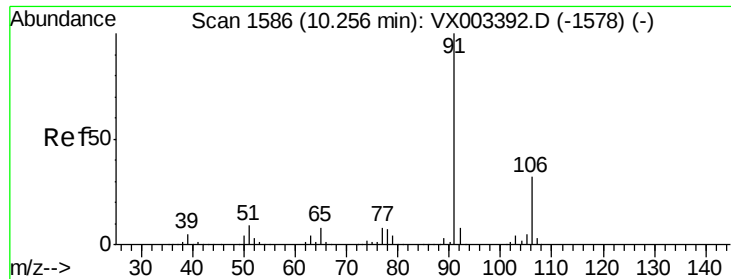


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

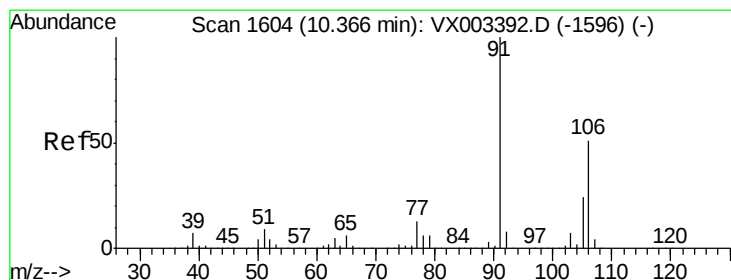
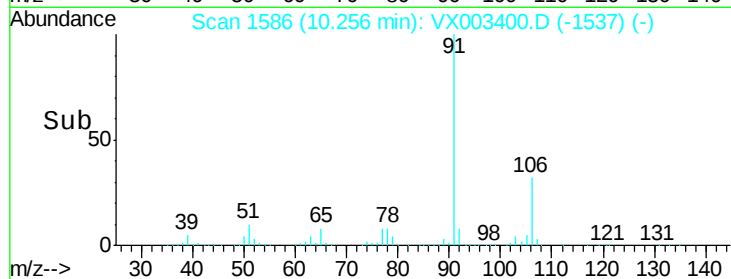
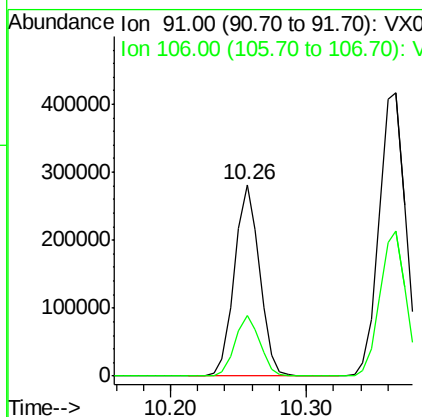
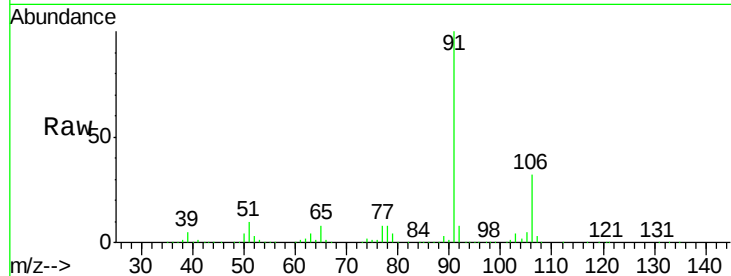




#67
Ethyl Benzene
Concen: 20.80 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

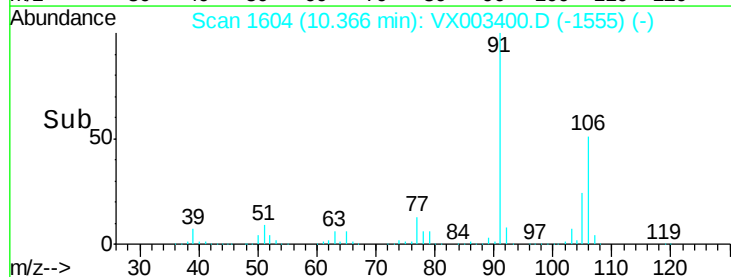
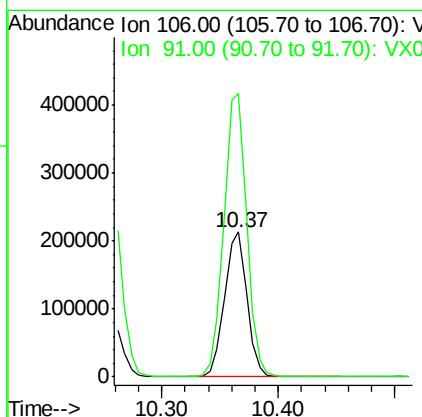
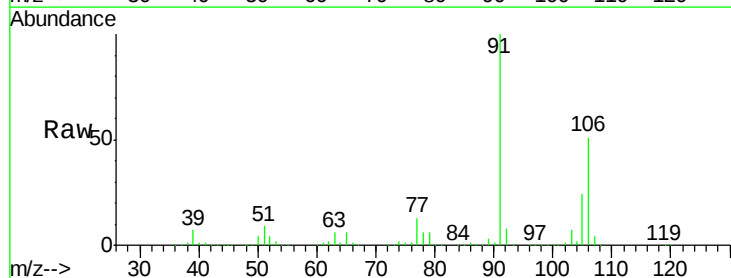
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

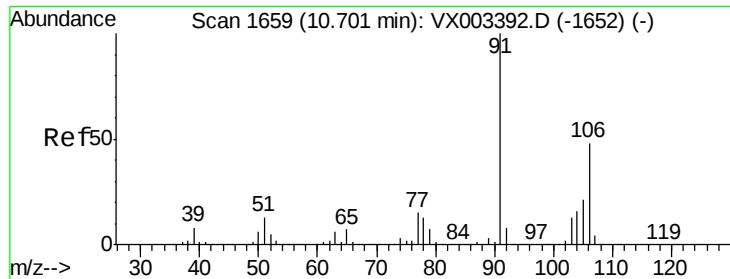
Tot Ion: 91 Resp: 361705
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 41.94 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion: 106 Resp: 282084
Ion Ratio Lower Upper
106 100
91 200.8 163.4 245.2

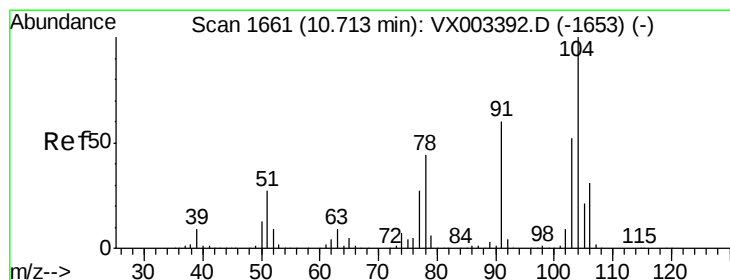
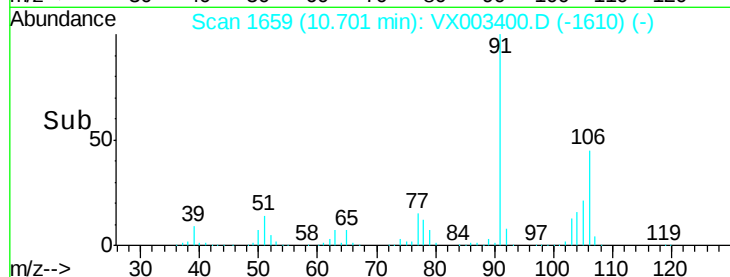
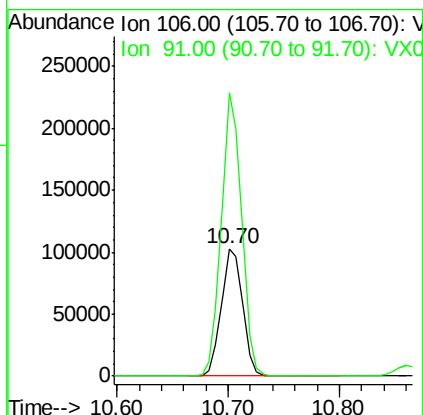
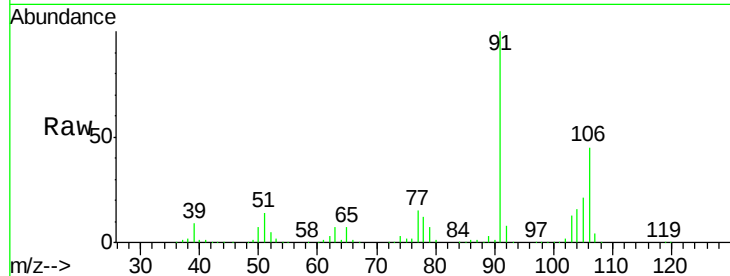




#69
o-Xylene
Concen: 21.10 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

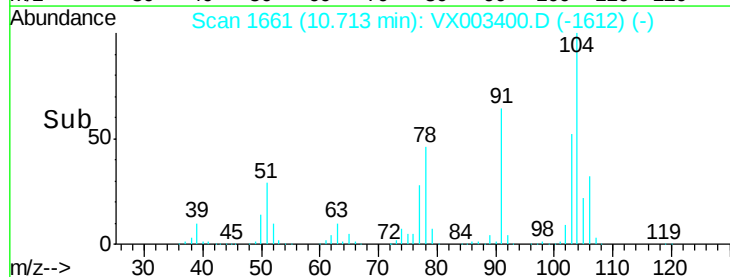
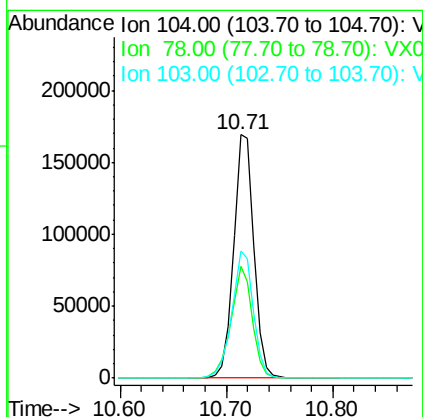
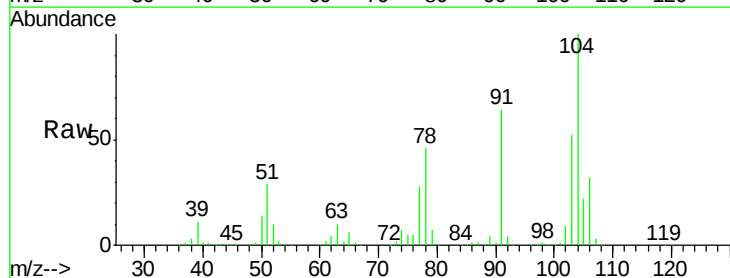
Instrument :
MSVOA_X
ClientSampled :
VX0716WBSD01

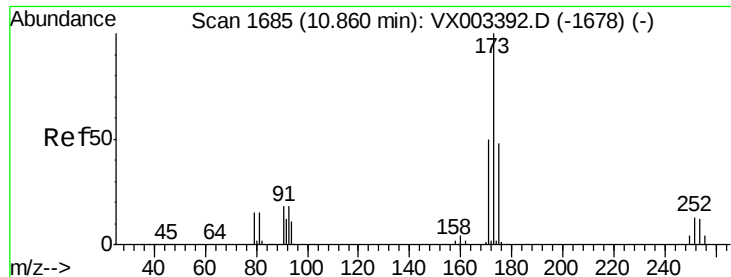
Tot Ion:106 Resp: 136341
Ion Ratio Lower Upper
106 100
91 212.4 108.2 324.6



#70
Styrene
Concen: 21.27 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion:104 Resp: 226119
Ion Ratio Lower Upper
104 100
78 48.0 41.0 61.6
103 55.4 44.2 66.4

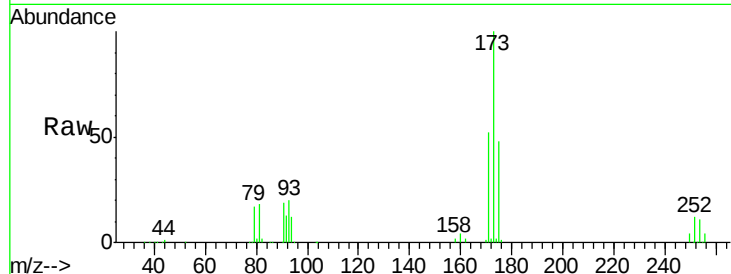




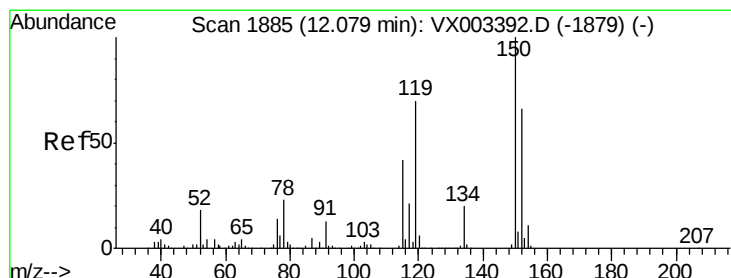
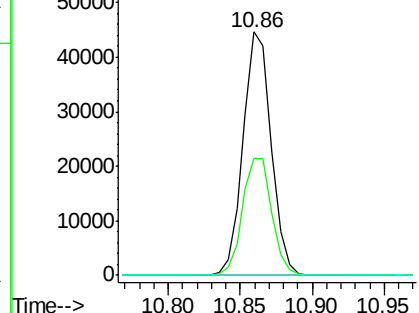
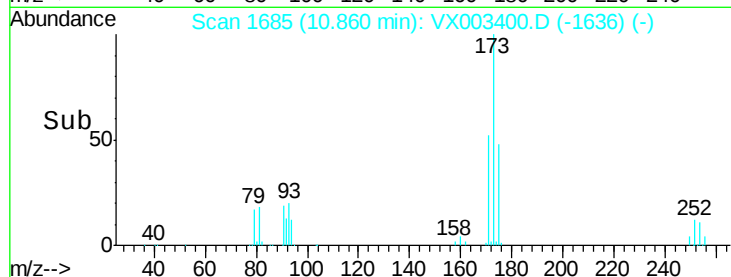
#71
Bromoform
Concen: 19.85 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion:173 Resp: 60395
Ion Ratio Lower Upper
173 100
175 50.3 24.7 74.1
254 0.2 0.2 0.2

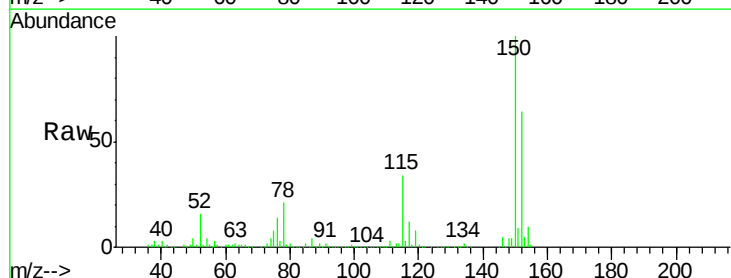


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

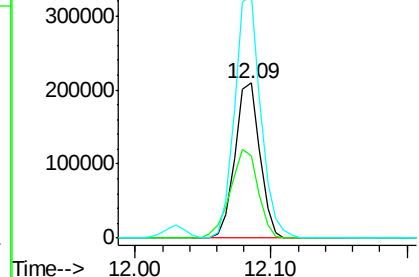
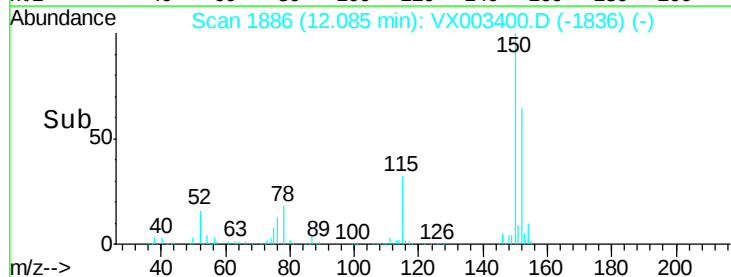


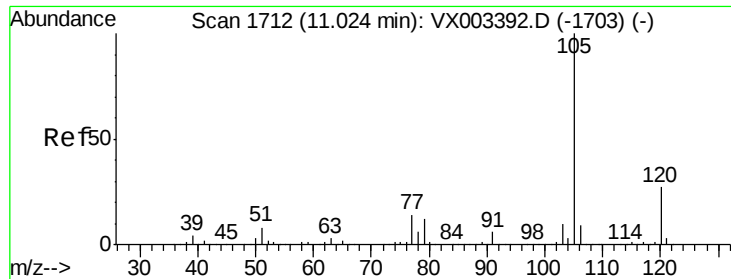
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion:152 Resp: 266322
Ion Ratio Lower Upper
152 100
115 64.0 40.1 120.2
150 163.9 0.0 347.2



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





#73

Isopropylbenzene

Concen: 21.89 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

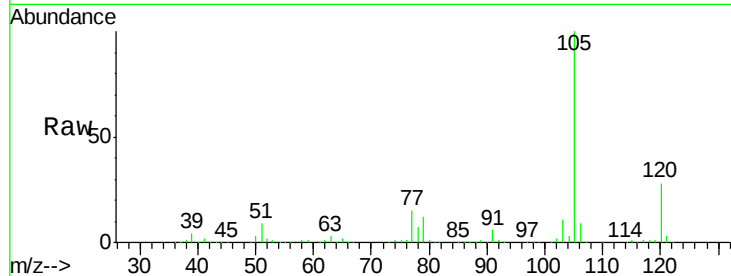
VX0716WBSD01

Tot Ion:105 Resp: 373214

Ion Ratio Lower Upper

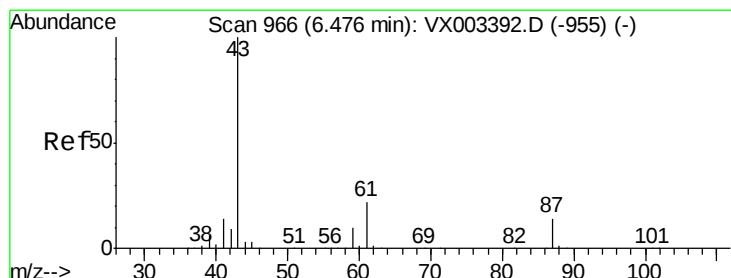
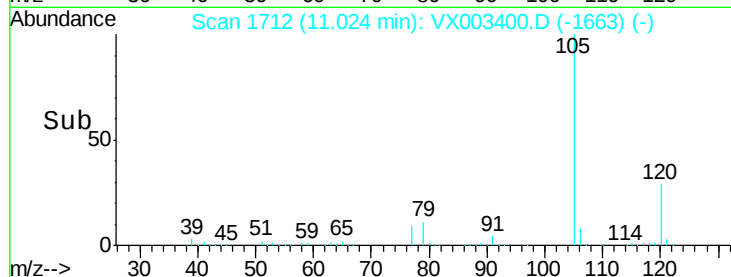
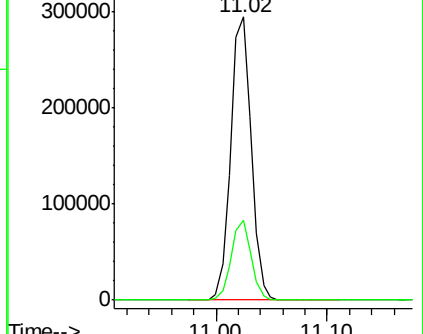
105 100

120 27.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.54 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Tgt Ion: 43 Resp: 176680

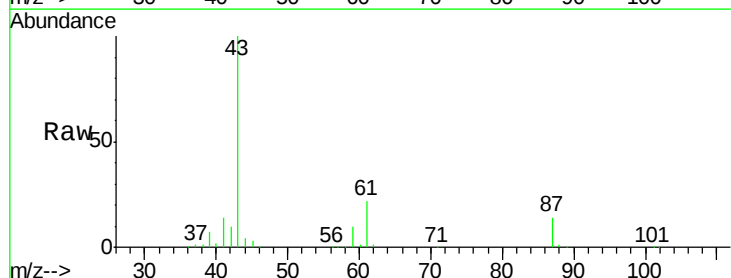
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.7 14.4 21.6

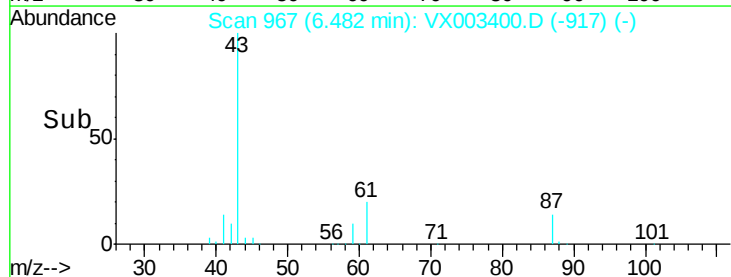
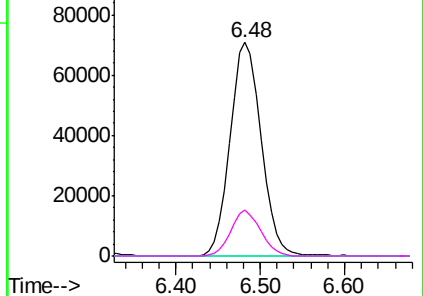


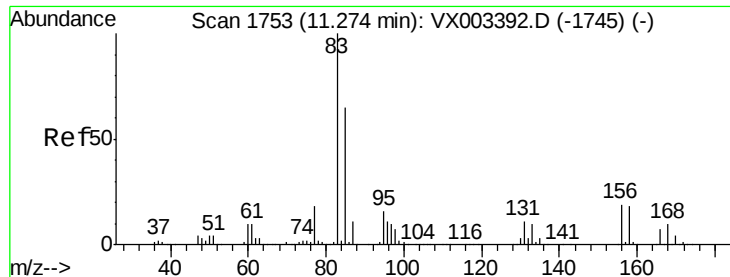
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.75 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

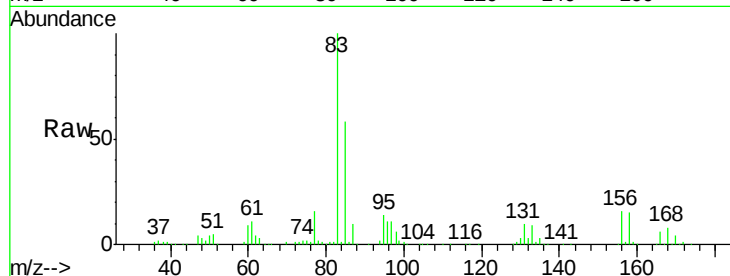
Tot Ion: 83 Resp: 133669

Ion Ratio Lower Upper

83 100

131 10.3 5.6 16.8

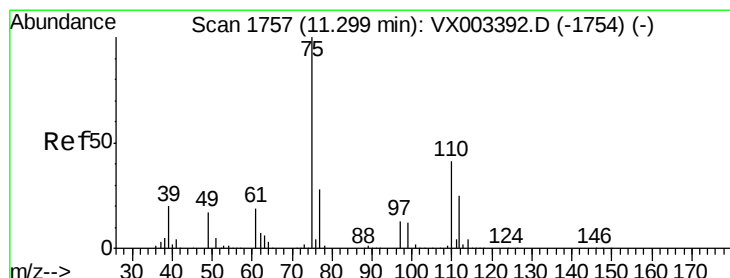
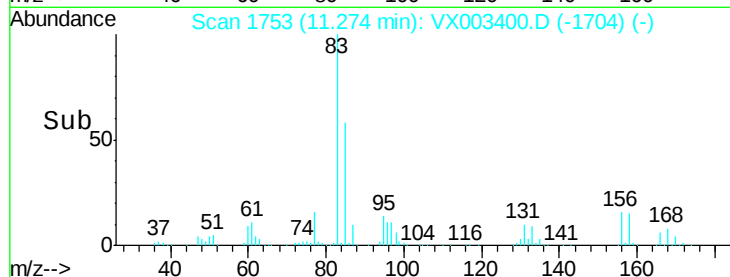
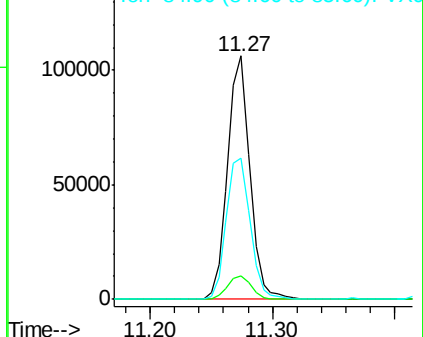
85 62.7 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 29.28 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003400.D

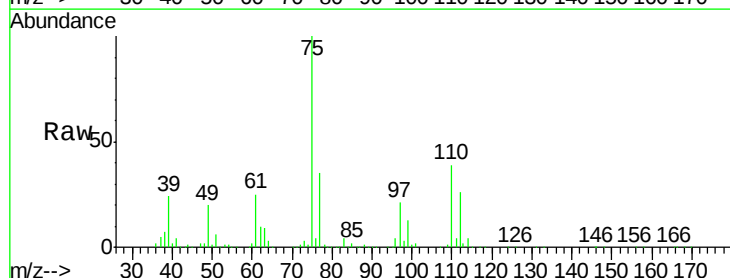
Acq: 16 Jul 2018 20:05

Tgt Ion: 75 Resp: 141193

Ion Ratio Lower Upper

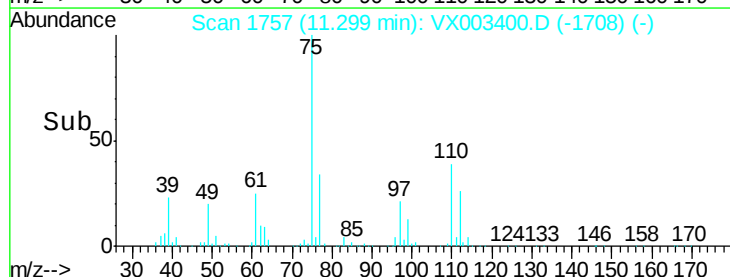
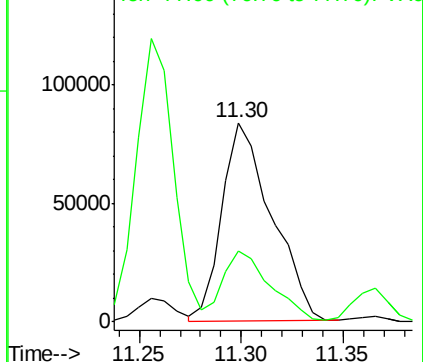
75 100

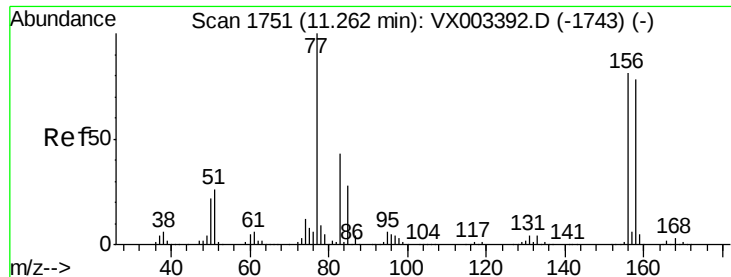
77 34.4 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.63 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

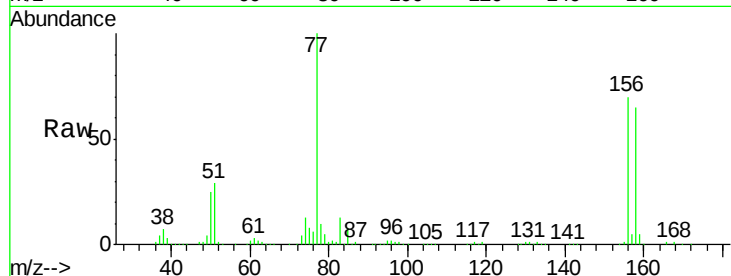
Tot Ion:156 Resp: 109584

Ion Ratio Lower Upper

156 100

77 139.2 71.4 214.2

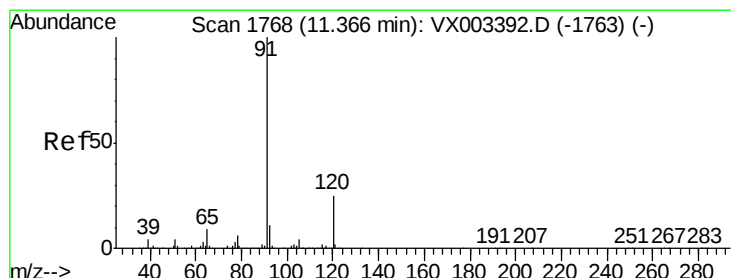
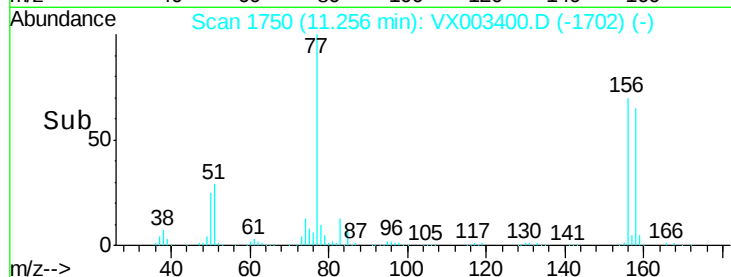
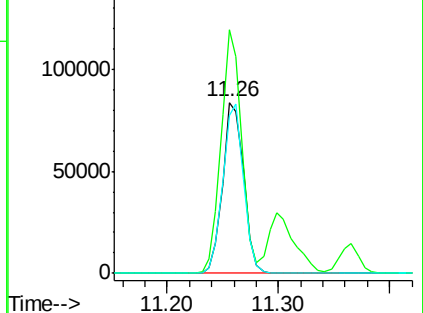
158 97.4 48.9 146.6



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: 23.11 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003400.D

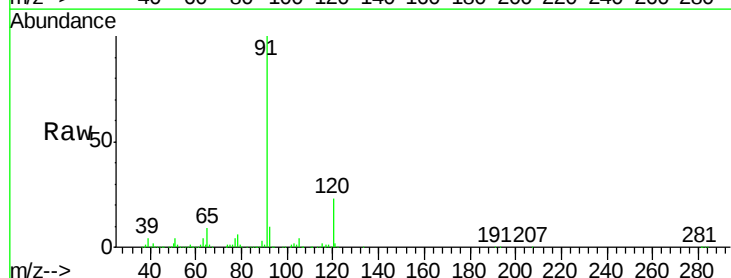
Acq: 16 Jul 2018 20:05

Tgt Ion: 91 Resp: 440209

Ion Ratio Lower Upper

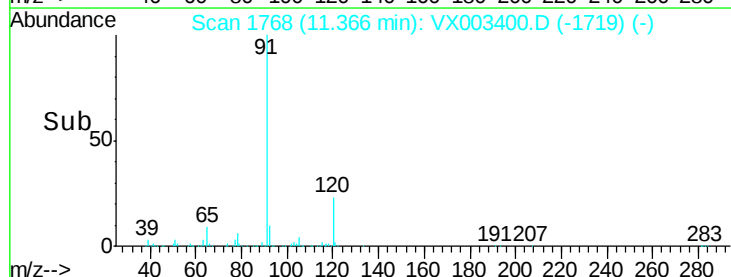
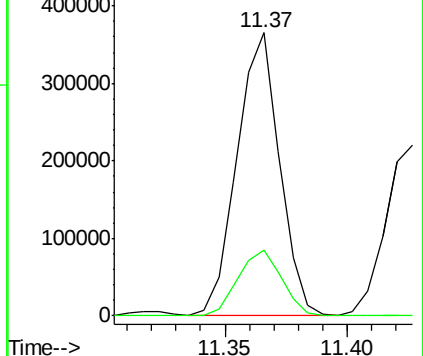
91 100

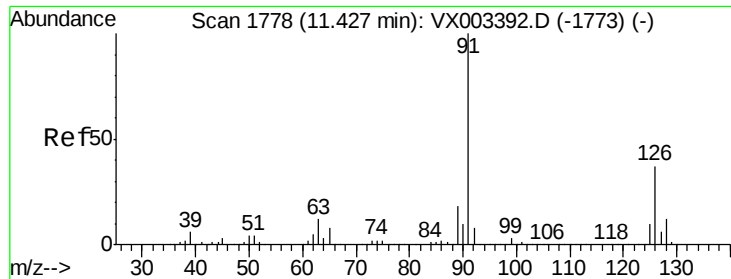
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.93 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

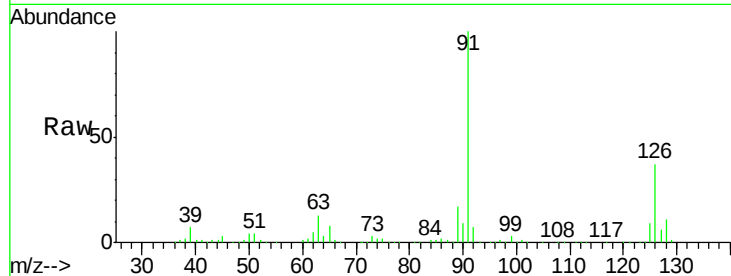
VX0716WBSD01

Tot Ion: 91 Resp: 267869

Ion Ratio Lower Upper

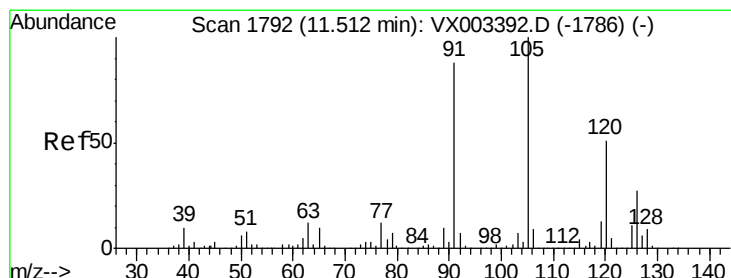
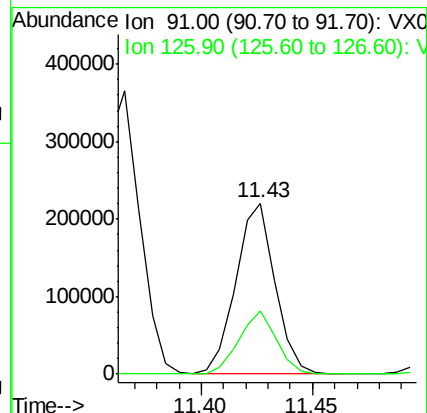
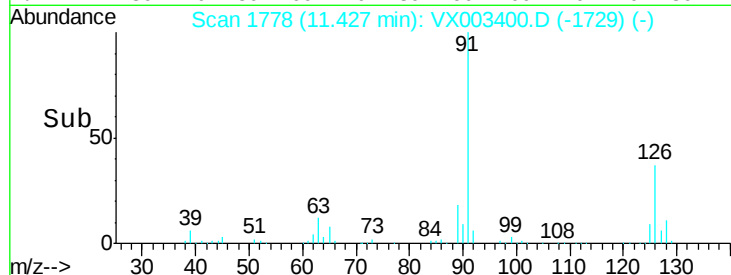
91 100

126 35.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.83 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003400.D

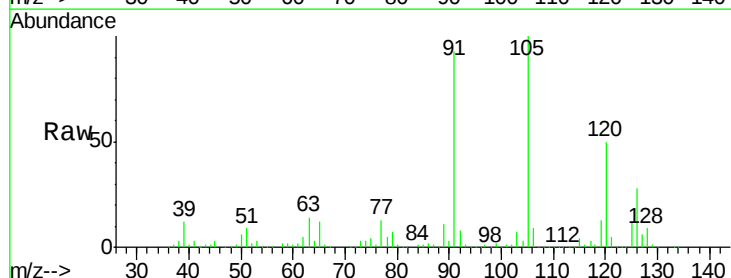
Acq: 16 Jul 2018 20:05

Tgt Ion:105 Resp: 304119

Ion Ratio Lower Upper

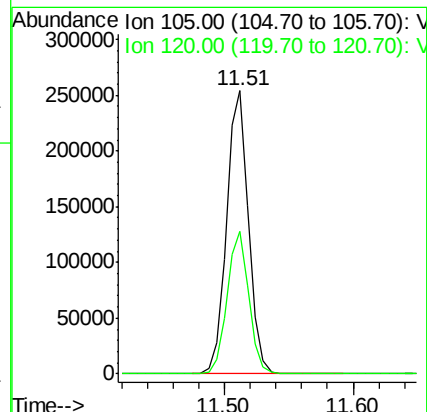
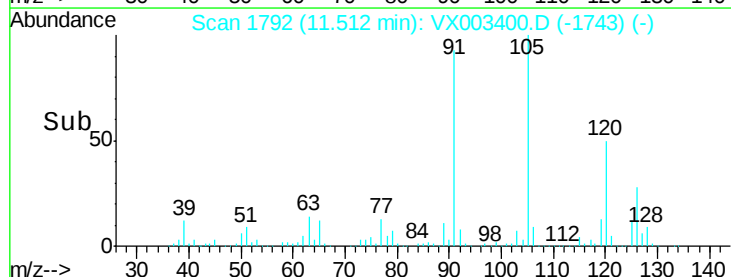
105 100

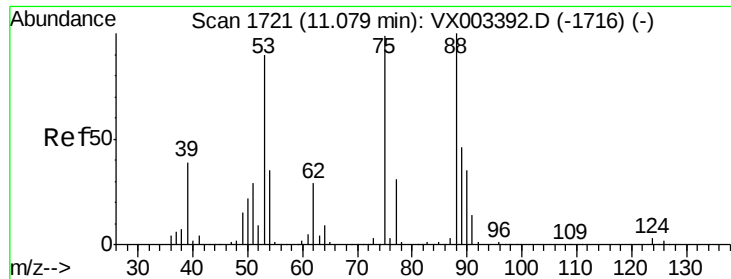
120 50.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.94 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

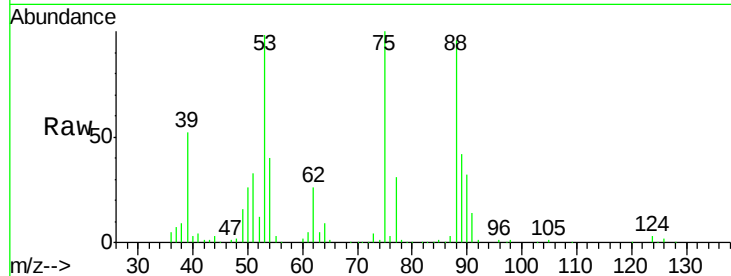
Tot Ion: 75 Resp: 31073

Ion Ratio Lower Upper

75 100

53 98.9 86.8 130.2

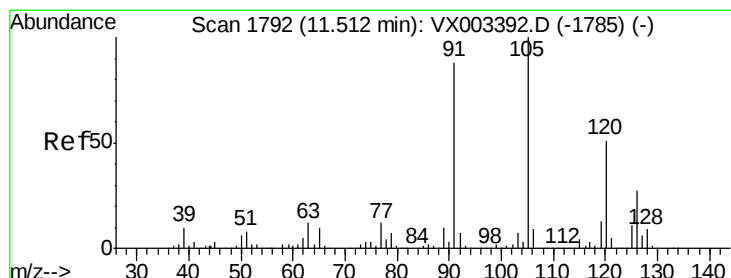
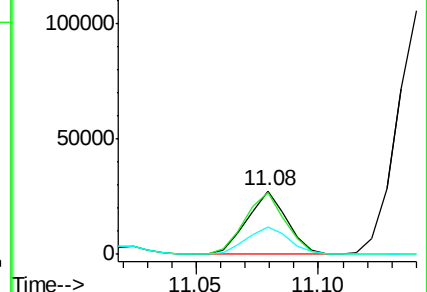
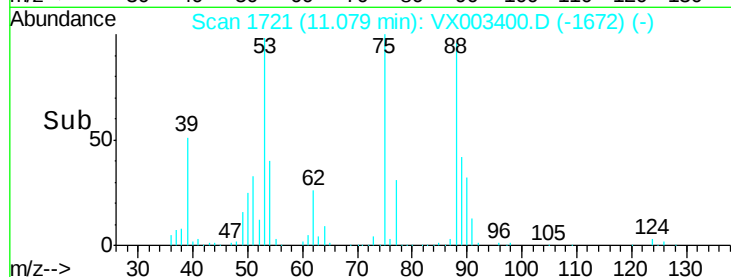
89 45.4 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.47 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003400.D

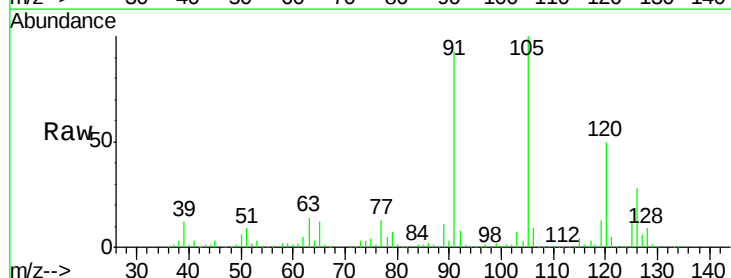
Acq: 16 Jul 2018 20:05

Tgt Ion: 91 Resp: 292541

Ion Ratio Lower Upper

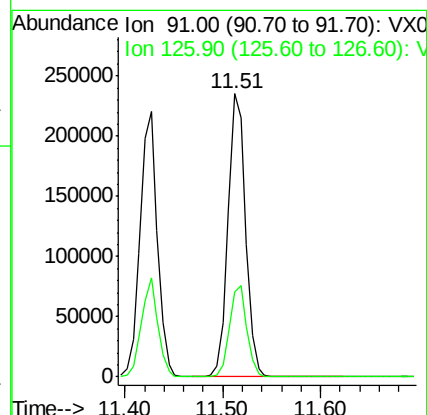
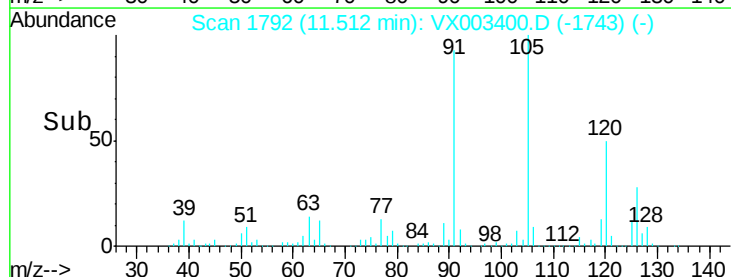
91 100

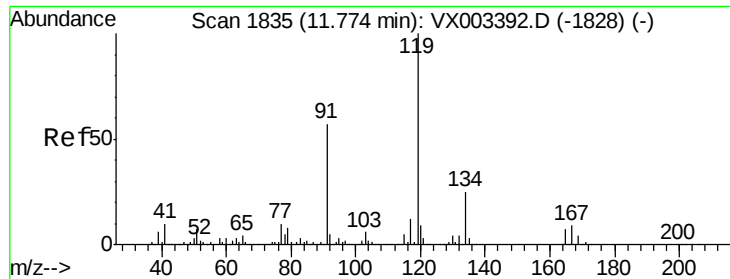
126 31.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

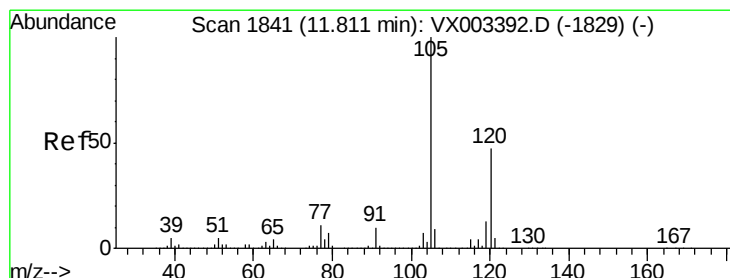
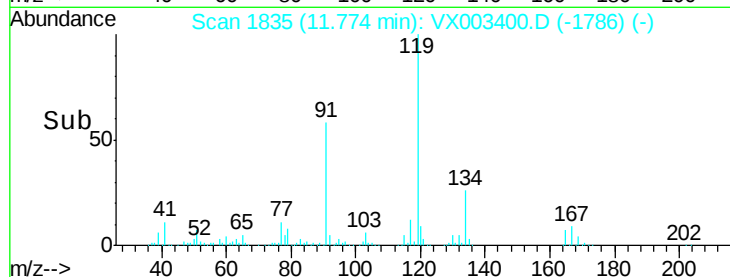
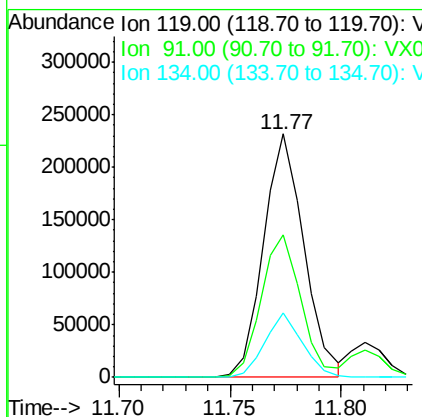
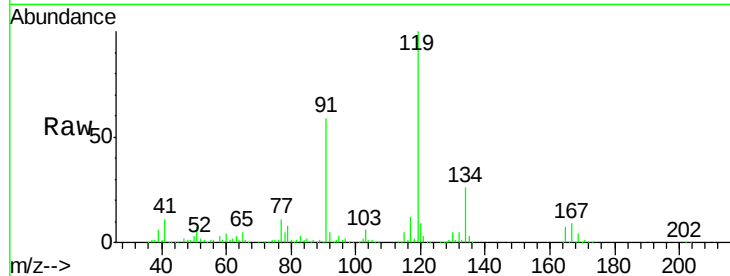




#83
 tert-Butylbenzene
 Concen: 21.52 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

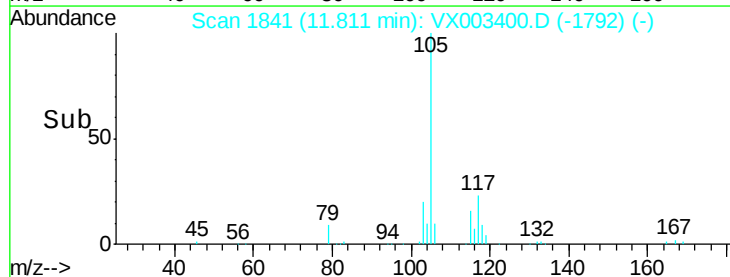
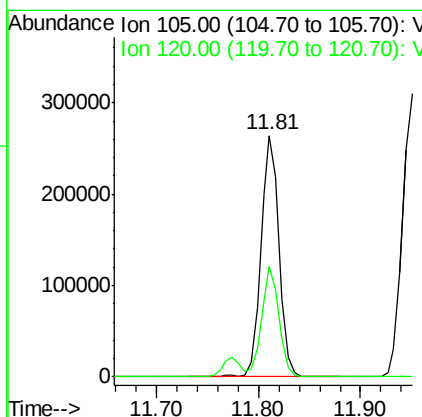
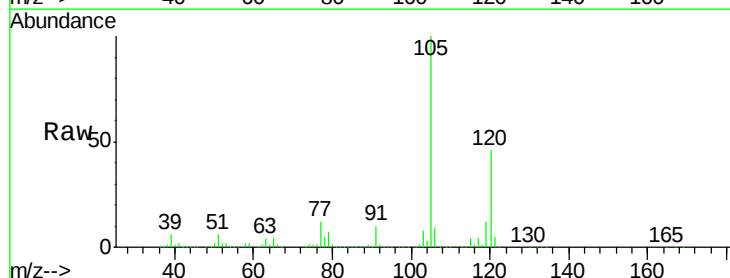
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

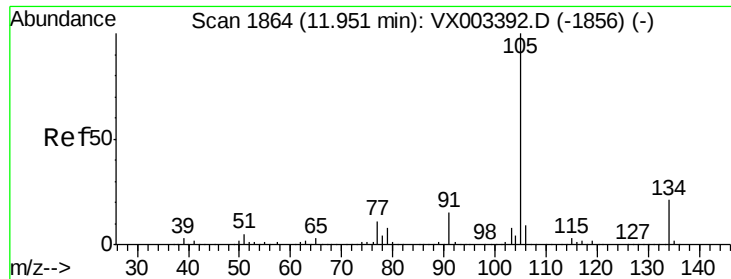
Tot Ion:119 Resp: 293019
 Ion Ratio Lower Upper
 119 100
 91 57.9 30.3 90.9
 134 24.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.91 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion:105 Resp: 327860
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 22.53 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

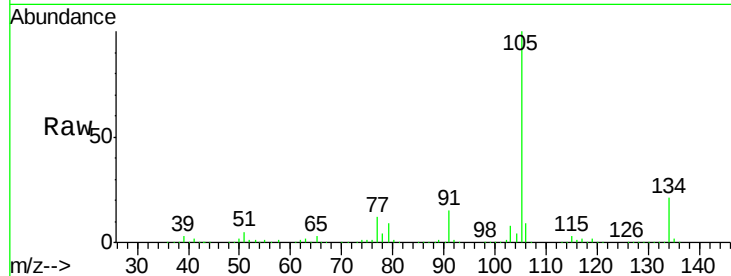
VX0716WBSD01

Tot Ion:105 Resp: 372106

Ion Ratio Lower Upper

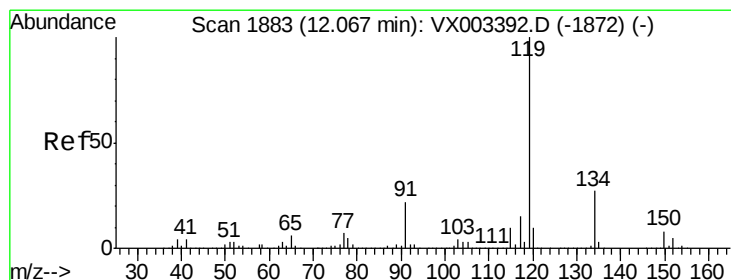
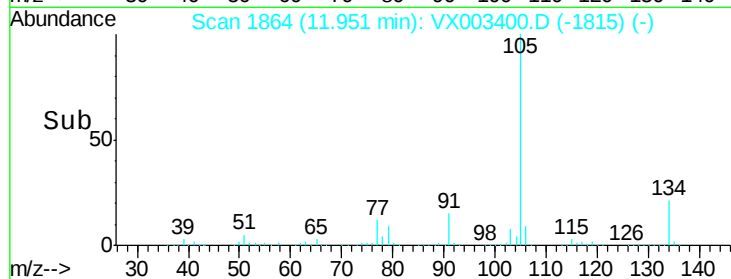
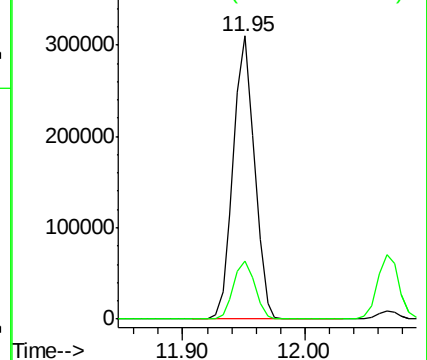
105 100

134 20.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.13 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

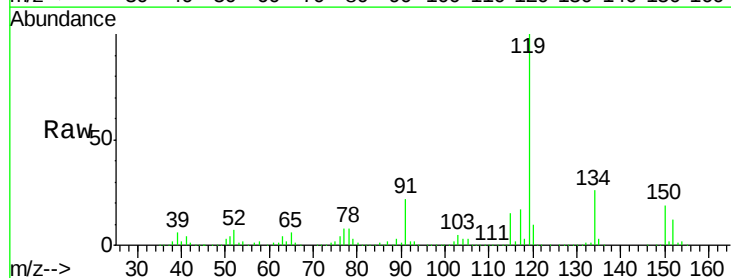
Tgt Ion:119 Resp: 325287

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

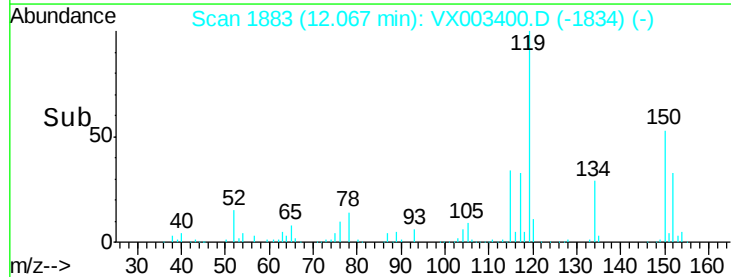
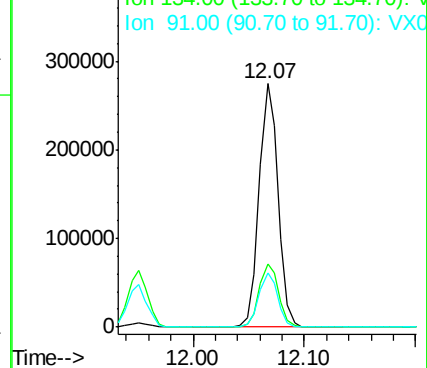
91 22.3 11.9 35.7

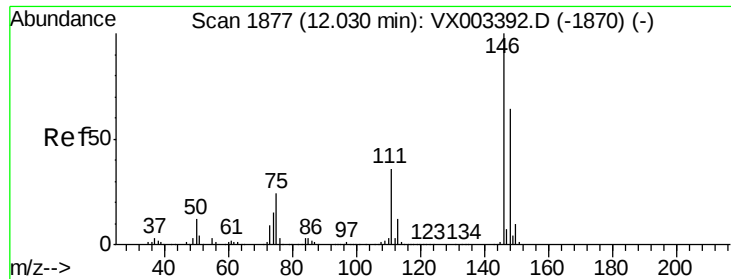


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.16 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

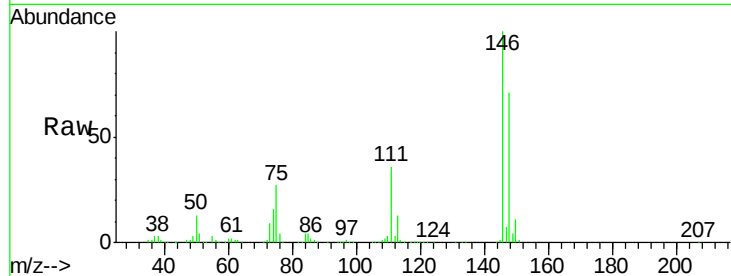
Tot Ion:146 Resp: 187608

Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.7

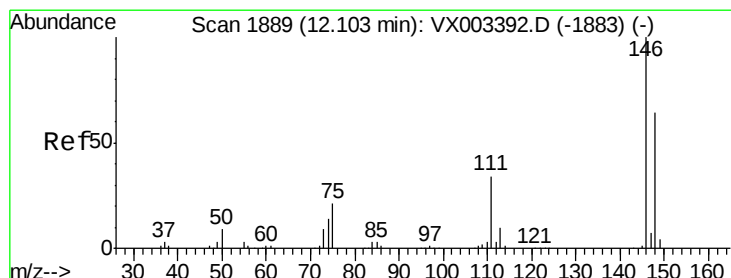
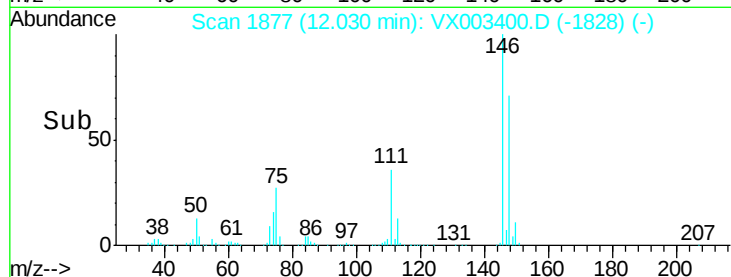
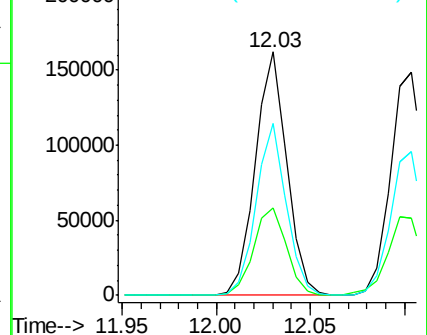
148 67.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.84 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

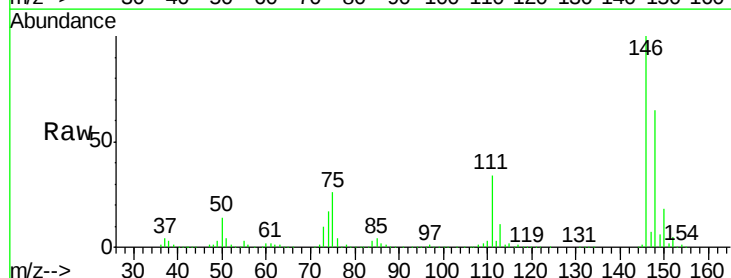
Tgt Ion:146 Resp: 187569

Ion Ratio Lower Upper

146 100

111 36.6 18.7 56.1

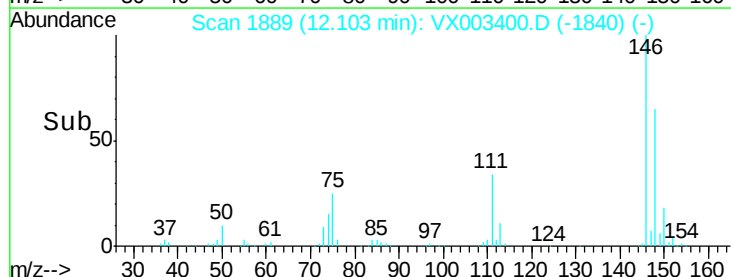
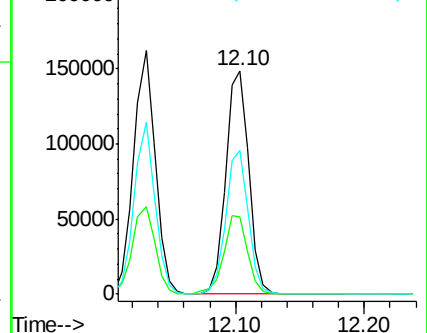
148 63.5 32.4 97.0

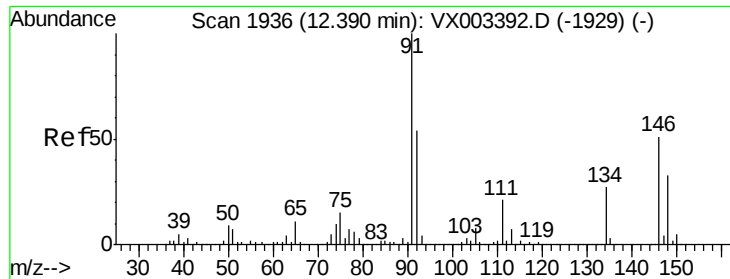


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.89 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003400.D

Acq: 16 Jul 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBSD01

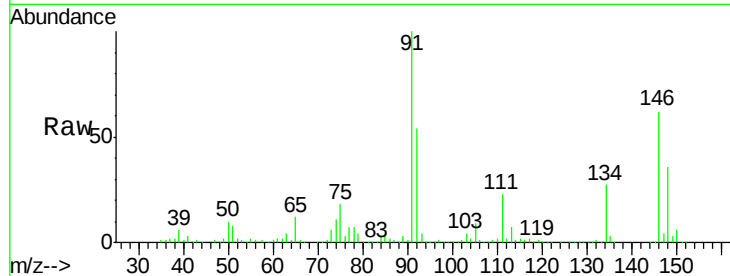
Tot Ion: 91 Resp: 274157

Ion Ratio Lower Upper

91 100

92 53.4 26.0 78.0

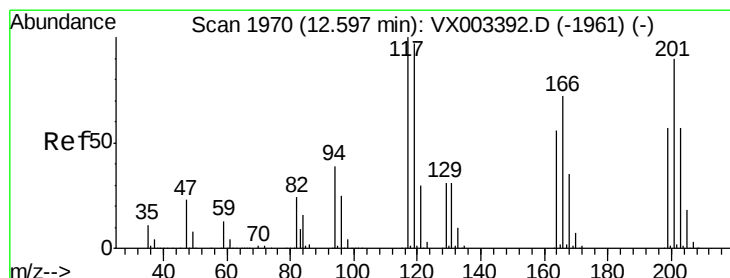
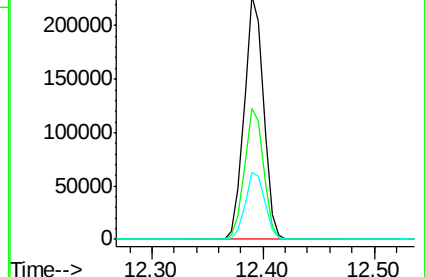
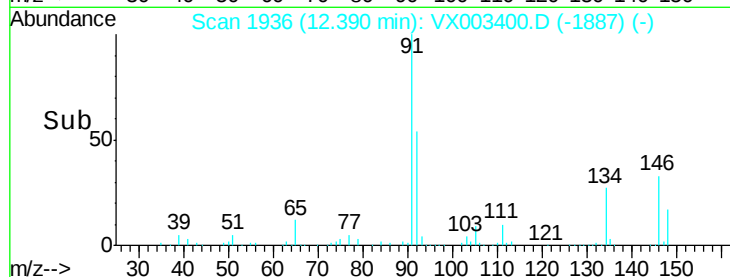
134 27.9 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX003392.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003392.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003392.D (-1929) (-)



#90

Hexachloroethane

Concen: 21.38 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003400.D

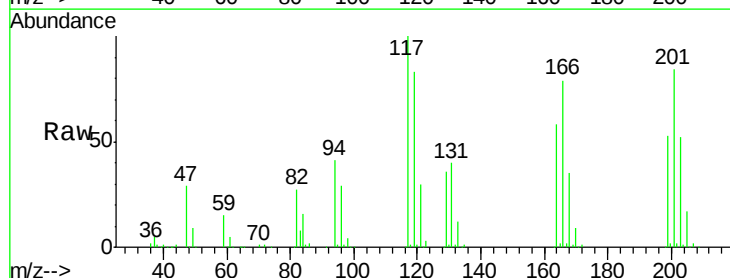
Acq: 16 Jul 2018 20:05

Tgt Ion: 117 Resp: 47628

Ion Ratio Lower Upper

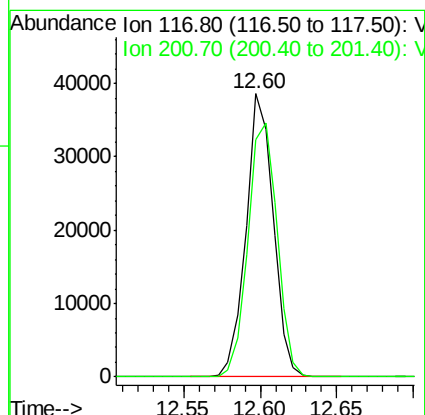
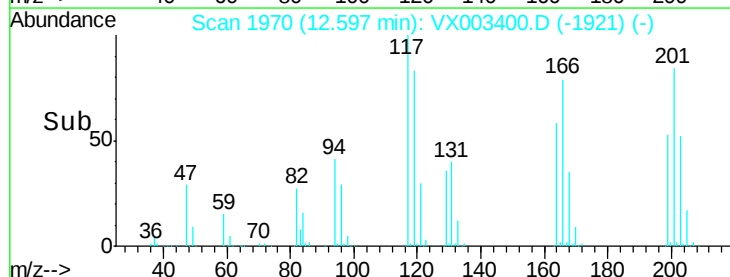
117 100

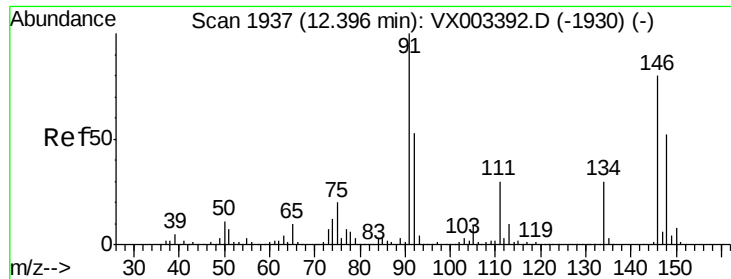
201 96.3 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX003392.D (-1961) (-)

Ion 200.70 (200.40 to 201.40): VX003392.D (-1961) (-)

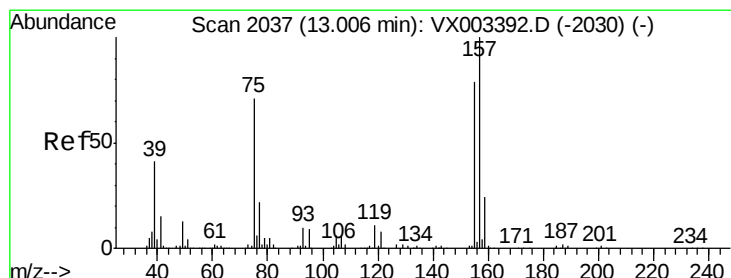
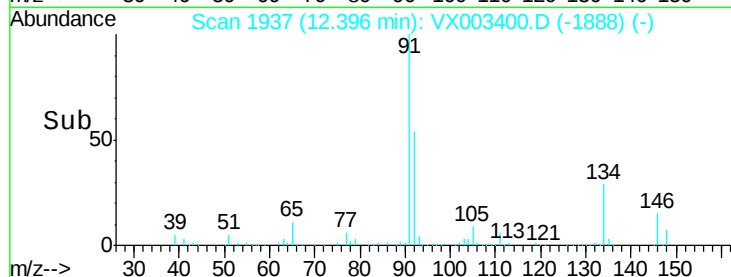
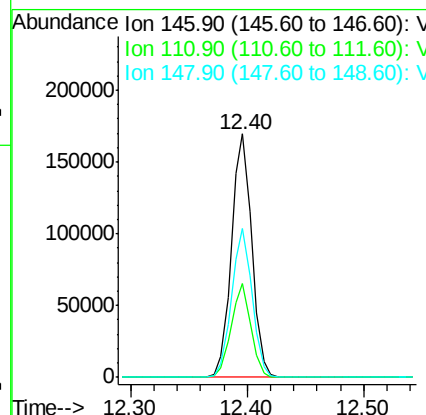
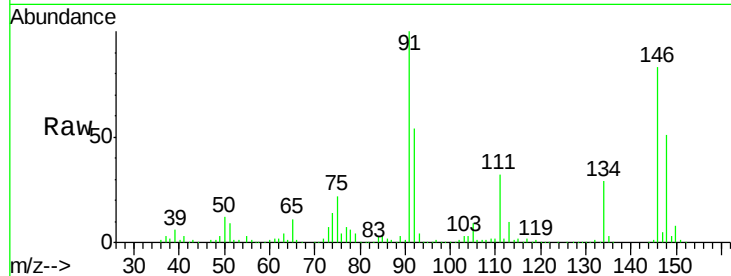




#91
 1,2-Dichlorobenzene
 Concen: 22.94 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

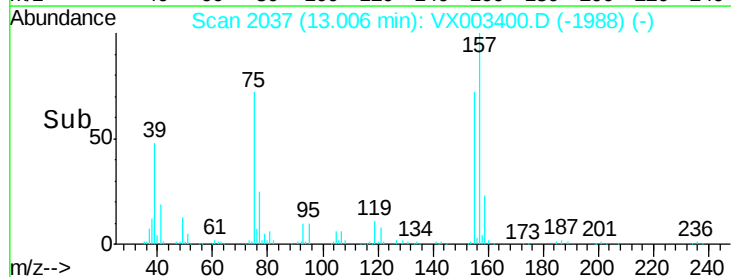
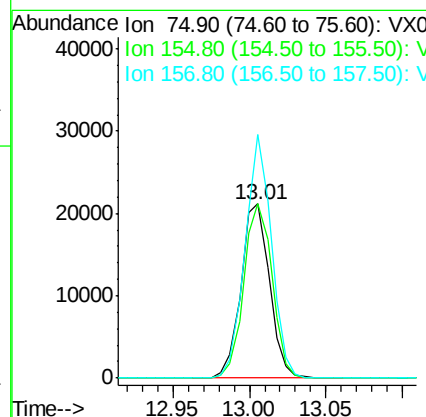
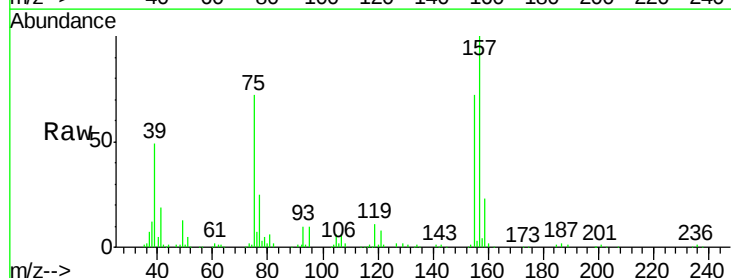
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

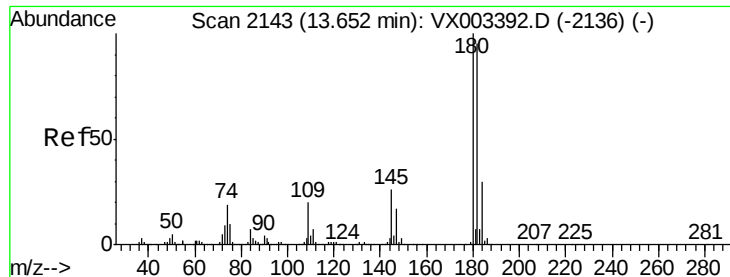
Tot Ion:146 Resp: 204256
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.4 58.1
 148 61.7 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.31 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion: 75 Resp: 27299
 Ion Ratio Lower Upper
 75 100
 155 99.4 45.8 137.4
 157 129.2 60.1 180.3

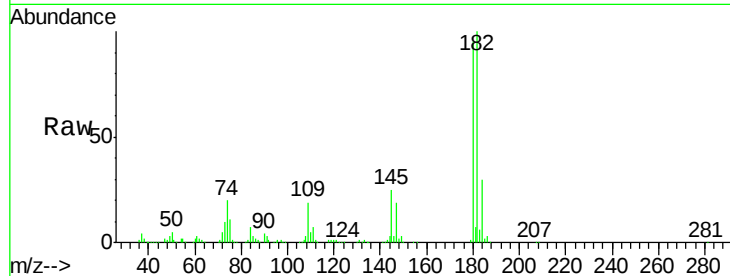




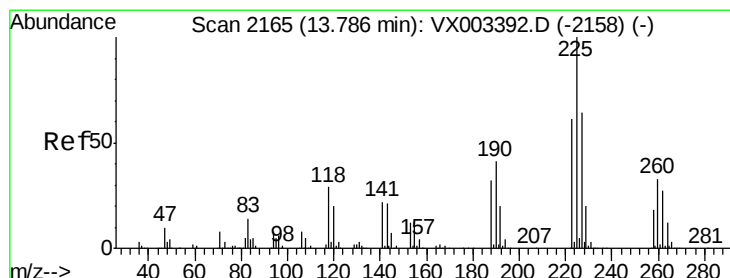
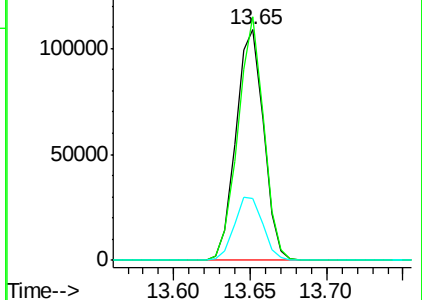
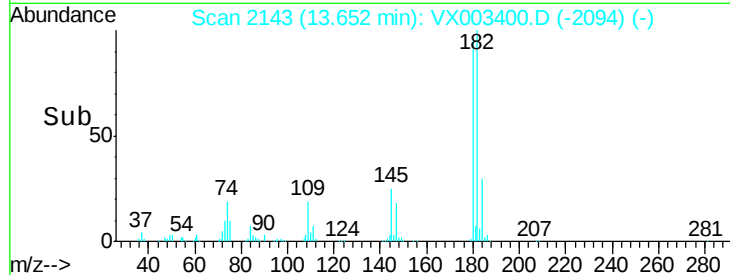
#93
 1,2,4-Trichlorobenzene
 Concen: 22.41 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBSD01

Tot Ion:180 Resp: 136529
 Ion Ratio Lower Upper
 180 100
 182 98.0 47.7 143.1
 145 28.0 14.1 42.4

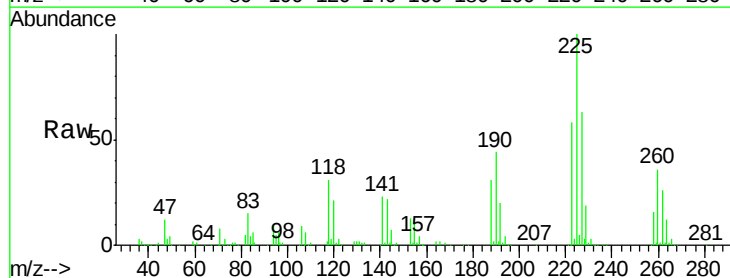


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

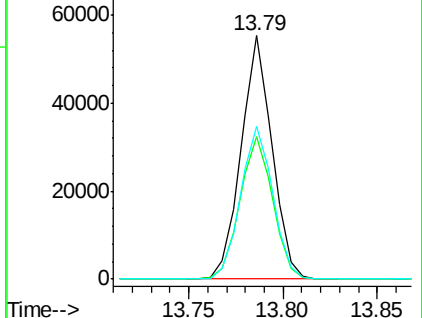
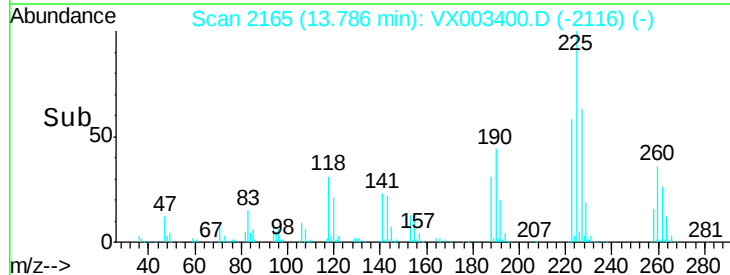


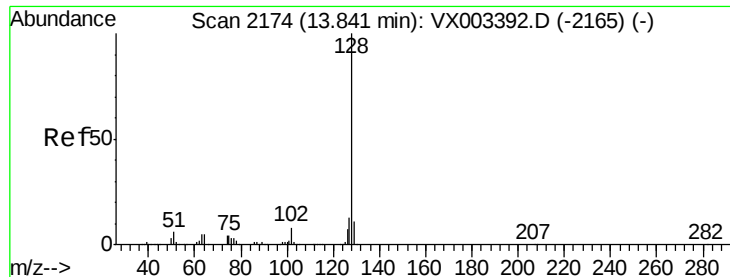
#94
 Hexachlorobutadiene
 Concen: 21.50 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003400.D
 Acq: 16 Jul 2018 20:05

Tgt Ion:225 Resp: 63039
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.6 95.0
 227 65.1 32.4 97.2



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

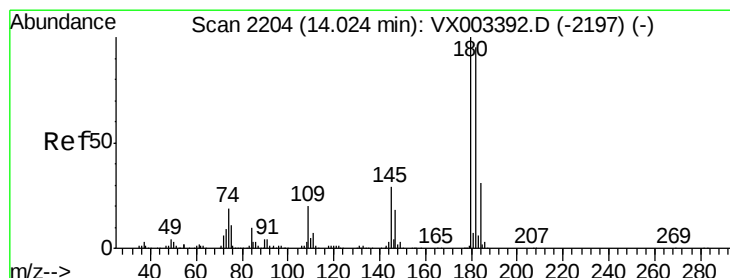
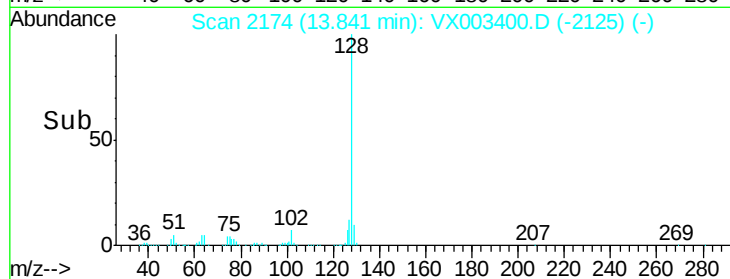
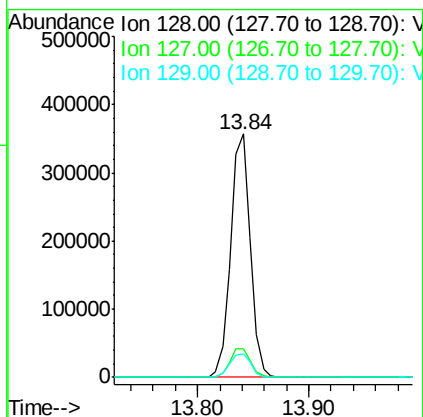
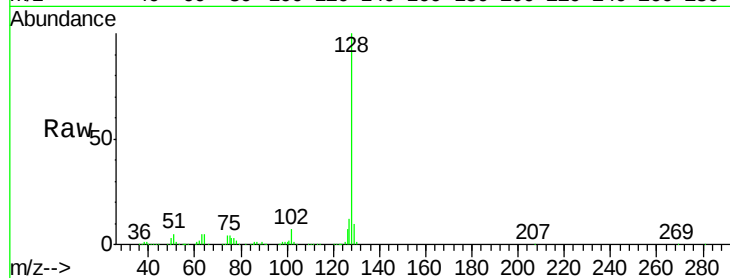




#95
Naphthalene
Concen: 24.84 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBSD01

Tot Ion:128 Resp: 433736
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 24.10 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003400.D
Acq: 16 Jul 2018 20:05

Tgt Ion:180 Resp: 151002
Ion Ratio Lower Upper
180 100
182 94.4 48.0 144.0
145 29.4 14.8 44.3

