

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003545.D
 Acq On : 21 Jul 2018 10:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 23 01:33:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	336559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	429802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	412255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	255962	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	201419	50.56	ug/l	0.00
Spiked Amount						
			Recovery	=	101.12%	
35) Dibromofluoromethane	5.49	113	186122	56.85	ug/l	-0.01
Spiked Amount						
			Recovery	=	113.70%	
50) Toluene-d8	8.72	98	652900	53.06	ug/l	0.00
Spiked Amount						
			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	11.14	95	237891	52.98	ug/l	0.00
Spiked Amount						
			Recovery	=	105.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	156342	58.64	ug/l	92
3) Chloromethane	1.32	50	198744	60.25	ug/l	97
4) Vinyl Chloride	1.40	62	228319	53.40	ug/l	97
5) Bromomethane	1.64	94	123158	73.58	ug/l	90
6) Chloroethane	1.72	64	144065	56.94	ug/l	98
7) Trichlorofluoromethane	1.93	101	313133	54.90	ug/l	95
8) Diethyl Ether	2.19	74	128575	52.48	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	202620	54.27	ug/l	95
10) Methyl Iodide	2.51	142	262935	58.63	ug/l	93
11) Tert butyl alcohol	3.06	59	197540	250.58	ug/l	99
12) 1,1-Dichloroethene	2.37	96	185367	53.92	ug/l #	78
13) Acrolein	2.29	56	82488	231.58	ug/l	97
14) Allyl chloride	2.73	41	350318	57.57	ug/l	87
15) Acrylonitrile	3.15	53	532933	265.53	ug/l	95
16) Acetone	2.45	43	523076	347.60	ug/l	97
17) Carbon Disulfide	2.57	76	511872	55.06	ug/l	99
18) Methyl Acetate	2.78	43	261389	55.10	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	626161	55.78	ug/l	97
20) Methylene Chloride	2.86	84	211620	57.65	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	204902	53.57	ug/l #	80
22) Diisopropyl ether	3.87	45	654691	57.18	ug/l	95
23) Vinyl Acetate	3.82	43	2699913	286.25	ug/l	96
24) 1,1-Dichloroethane	3.69	63	371527	55.30	ug/l	99
25) 2-Butanone	4.70	43	729676	289.00	ug/l	99
26) 2,2-Dichloropropane	4.59	77	298479	58.50	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	226301	53.14	ug/l	97
28) Bromochloromethane	5.02	49	154318	52.55	ug/l	90
29) Tetrahydrofuran	5.15	42	422592	253.37	ug/l	91
30) Chloroform	5.21	83	361347	55.08	ug/l	99
31) Cyclohexane	5.57	56	323669	53.92	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	312077	55.55	ug/l	98
36) 1,1-Dichloropropene	5.80	75	279473	60.23	ug/l	99
37) Ethyl Acetate	4.86	43	258176	58.79	ug/l	96
38) Carbon Tetrachloride	5.78	117	282872	62.15	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	304312	55.37	ug/l	95
40) Benzene	6.14	78	804578	57.43	ug/l	99
41) Methacrylonitrile	5.06	41	150705	58.40	ug/l	92
42) 1,2-Dichloroethane	6.19	62	267449	60.59	ug/l	96
43) Isopropyl Acetate	6.46	43	375278	53.73	ug/l	94
44) Trichloroethene	7.21	130	223496	53.49	ug/l	99
45) 1,2-Dichloropropane	7.52	63	194703	54.73	ug/l	99
46) Dibromomethane	7.67	93	124719	54.45	ug/l	96
47) Bromodichloromethane	7.90	83	241079	57.50	ug/l	97
48) Methyl methacrylate	7.77	41	195222	55.42	ug/l	86
49) 1,4-Dioxane	7.76	88	76680	960.73	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1207293	273.58	ug/l	92
52) Toluene	8.79	92	484410	54.93	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	301872	58.49	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	272821	58.78	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	191149	54.47	ug/l	98
56) Ethyl methacrylate	9.18	69	279499	56.55	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	310717	54.77	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	731007	304.15	ug/l	98
59) 2-Hexanone	9.50	43	973435	297.72	ug/l	90
60) Dibromochloromethane	9.59	129	198261	57.08	ug/l	99
61) 1,2-Dibromoethane	9.68	107	197619	54.32	ug/l	99
64) Tetrachloroethene	9.34	164	265583	52.88	ug/l	96
65) Chlorobenzene	10.14	112	553717	52.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	198321	54.27	ug/l	99
67) Ethyl Benzene	10.26	91	937033	54.87	ug/l	100
68) m/p-Xylenes	10.36	106	732799	109.45	ug/l	96
69) o-Xylene	10.70	106	351470	54.29	ug/l	96
70) Styrene	10.71	104	593907	55.77	ug/l	97
71) Bromoform	10.86	173	155775	54.86	ug/l	99
73) Isopropylbenzene	11.02	105	935125	52.83	ug/l	100
74) N-amyl acetate	6.46	43	375342	49.93	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	257632	49.66	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	312794	68.02	ug/l	80
77) Bromobenzene	11.26	156	257879	50.65	ug/l	97
78) n-propylbenzene	11.36	91	1065451	54.15	ug/l	98
79) 2-Chlorotoluene	11.42	91	629693	52.71	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	795370	54.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	80930	49.99	ug/l	85
82) 4-Chlorotoluene	11.51	91	744481	53.19	ug/l	98
83) tert-Butylbenzene	11.77	119	755024	52.99	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	815782	55.11	ug/l	98
85) sec-Butylbenzene	11.95	105	938920	54.26	ug/l	100
86) p-Isopropyltoluene	12.07	119	853694	54.97	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	473172	50.56	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	481520	49.95	ug/l	99
89) n-Butylbenzene	12.39	91	744109	56.42	ug/l	99
90) Hexachloroethane	12.60	117	117171	53.07	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	470600	51.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50395	49.92	ug/l	90

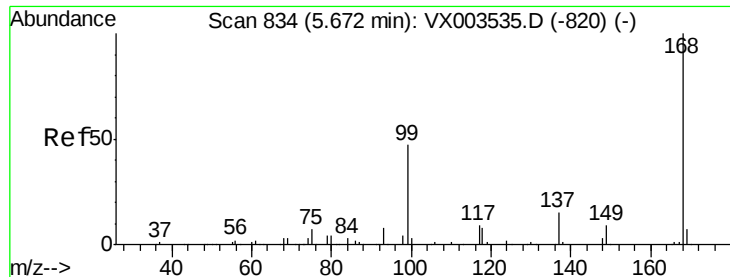
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	347809	51.45	ug/l	100
94) Hexachlorobutadiene	13.79	225	170628	52.48	ug/l	99
95) Naphthalene	13.83	128	932115	52.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	342796	51.22	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

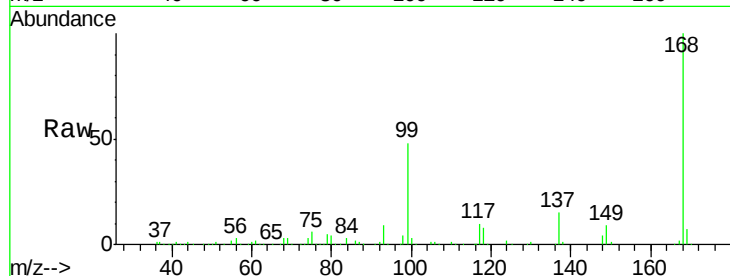
VSTDCCC050

Tot Ion:168 Resp: 336559

Ion Ratio Lower Upper

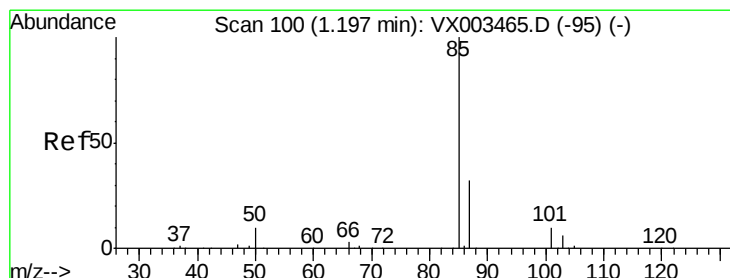
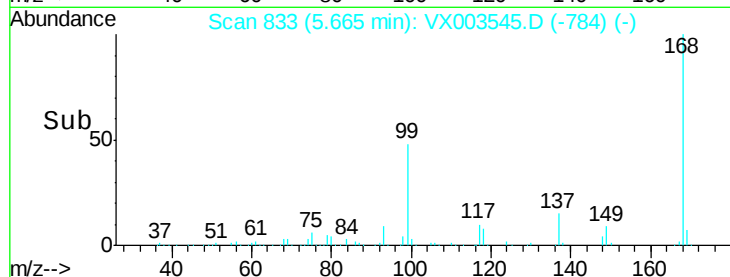
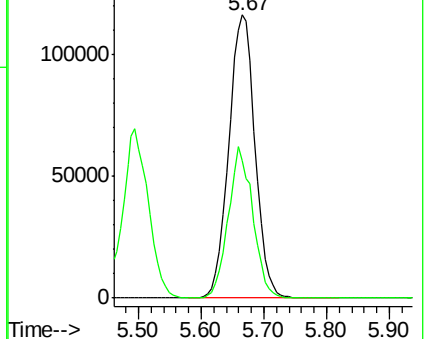
168 100

99 48.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 58.64 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003545.D

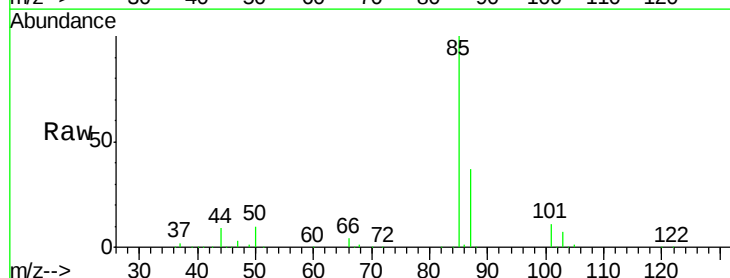
Acq: 21 Jul 2018 10:19

Tgt Ion: 85 Resp: 156342

Ion Ratio Lower Upper

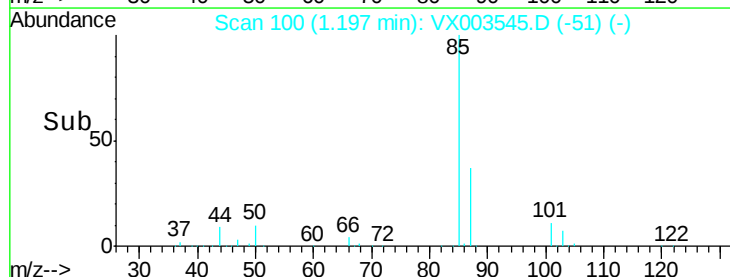
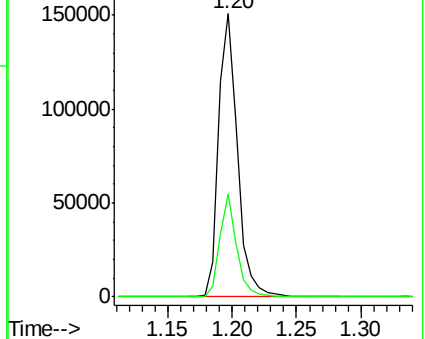
85 100

87 36.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 60.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

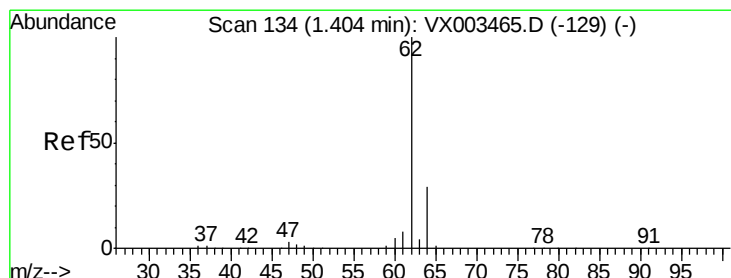
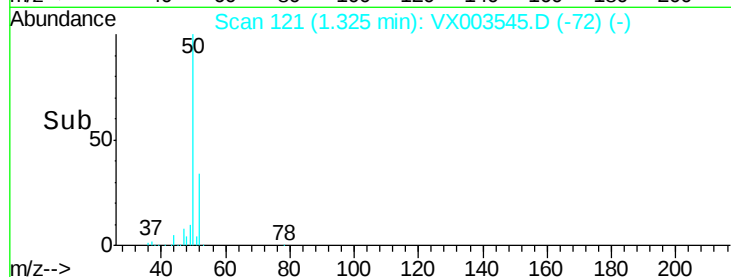
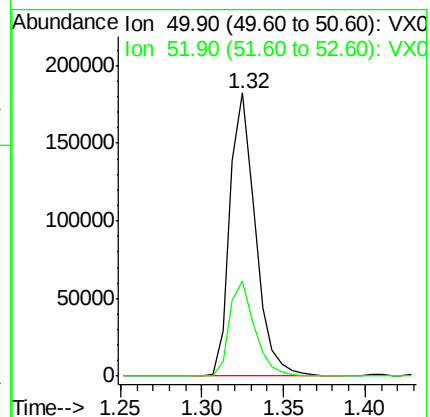
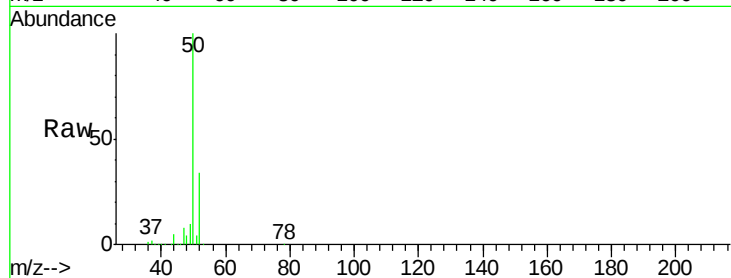
VSTDCCC050

Tot Ion: 50 Resp: 198744

Ion Ratio Lower Upper

50 100

52 33.7 25.7 38.5



#4

Vinyl Chloride

Concen: 53.40 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003545.D

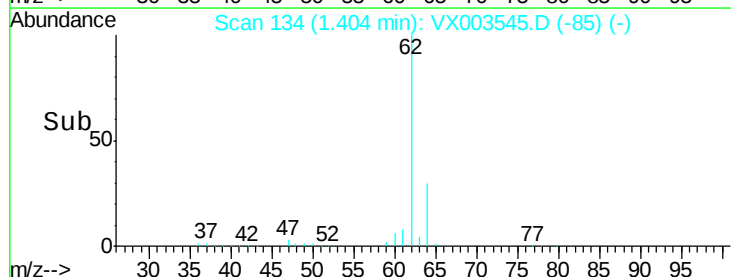
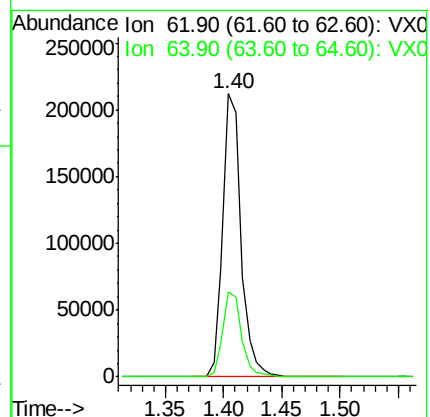
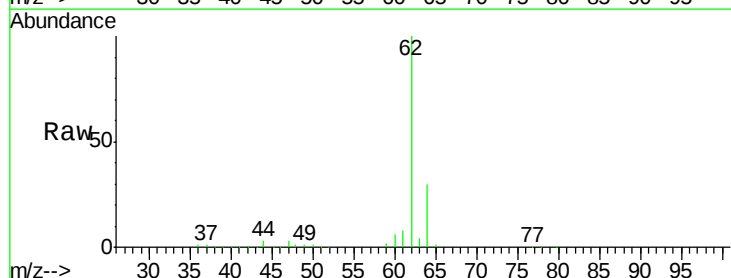
Acq: 21 Jul 2018 10:19

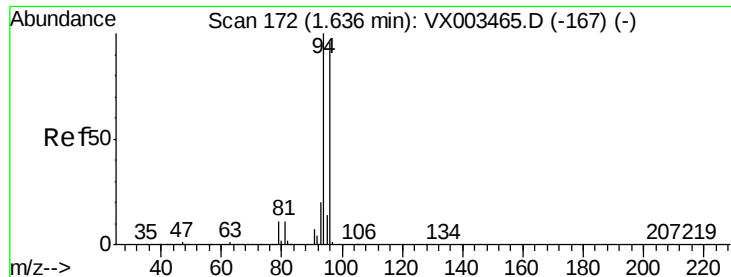
Tgt Ion: 62 Resp: 228319

Ion Ratio Lower Upper

62 100

64 29.9 25.4 38.2





#5

Bromomethane

Concen: 73.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampled :

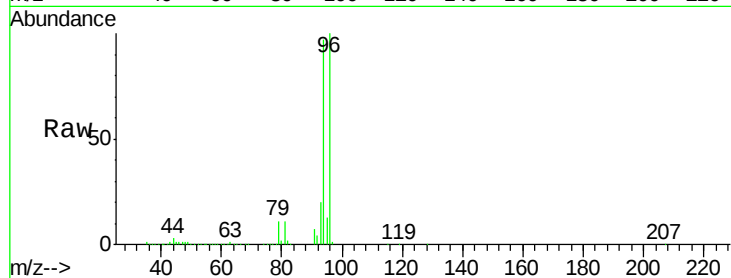
VSTDCCC050

Tot Ion: 94 Resp: 123158

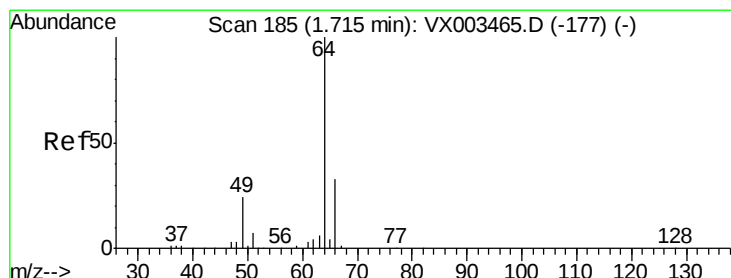
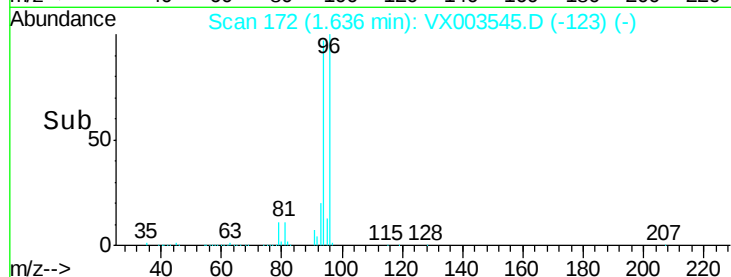
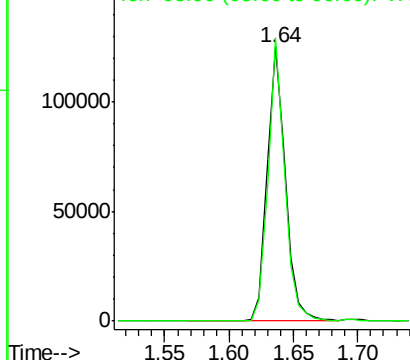
Ion Ratio Lower Upper

94 100

96 103.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 56.94 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003545.D

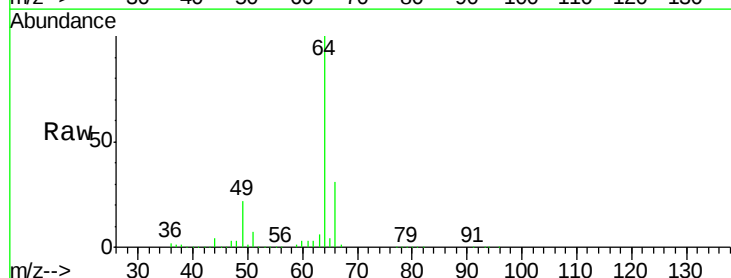
Acq: 21 Jul 2018 10:19

Tgt Ion: 64 Resp: 144065

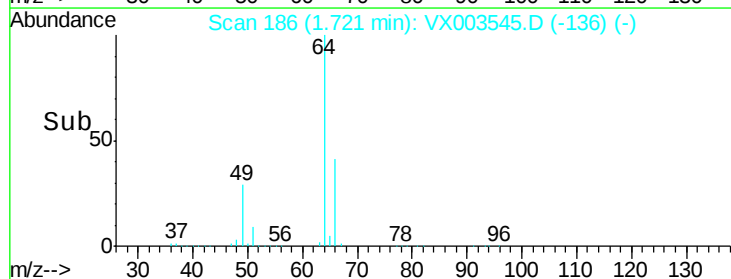
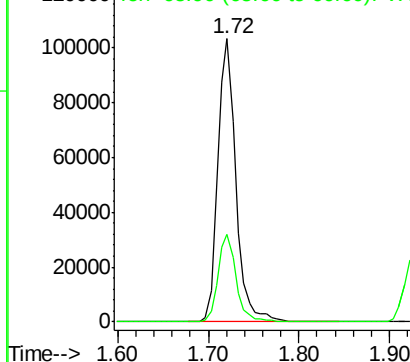
Ion Ratio Lower Upper

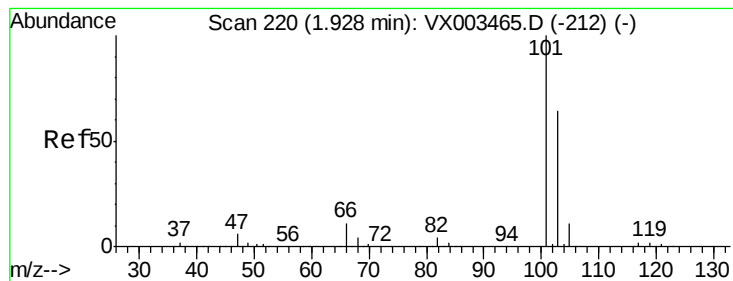
64 100

66 30.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 54.90 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

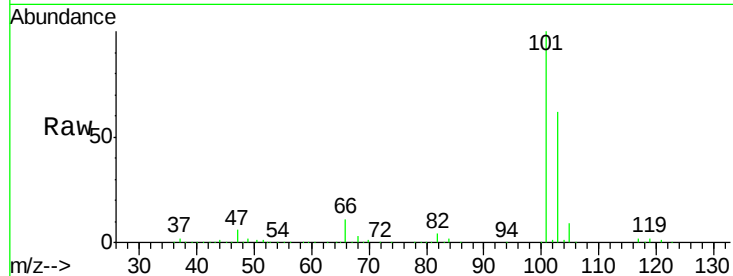
VSTDCCC050

Tot Ion:101 Resp: 313133

Ion Ratio Lower Upper

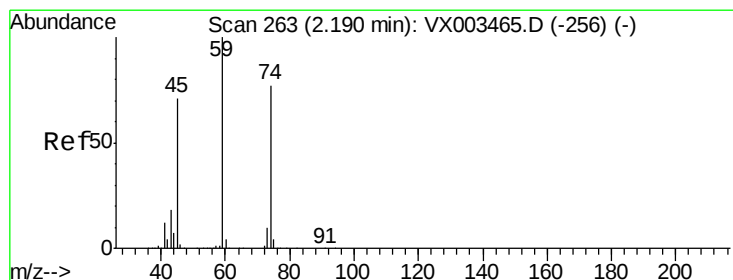
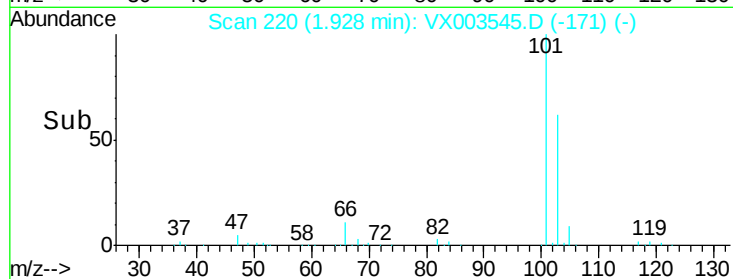
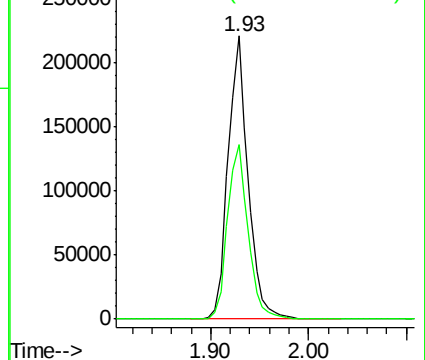
101 100

103 61.9 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 52.48 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003545.D

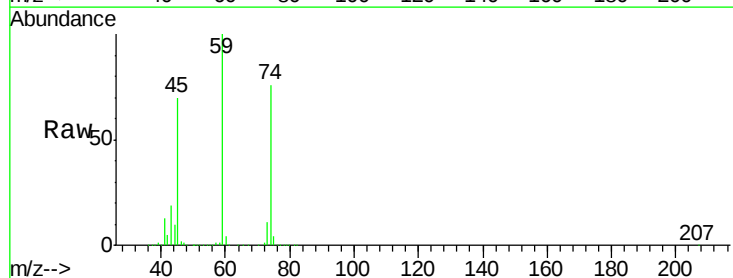
Acq: 21 Jul 2018 10:19

Tgt Ion: 74 Resp: 128575

Ion Ratio Lower Upper

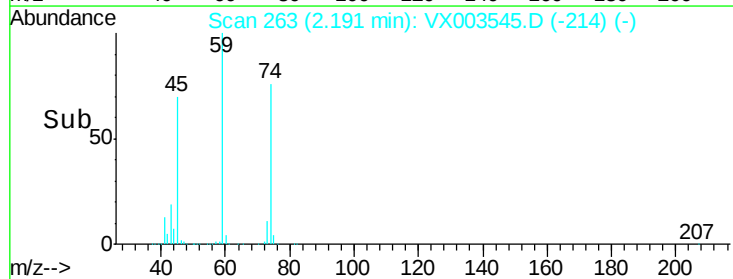
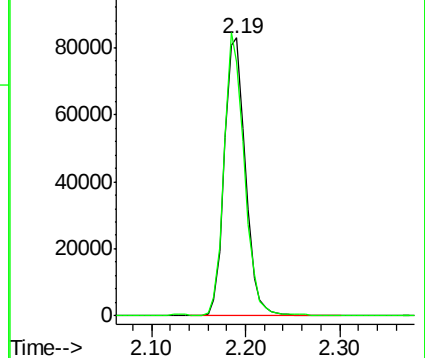
74 100

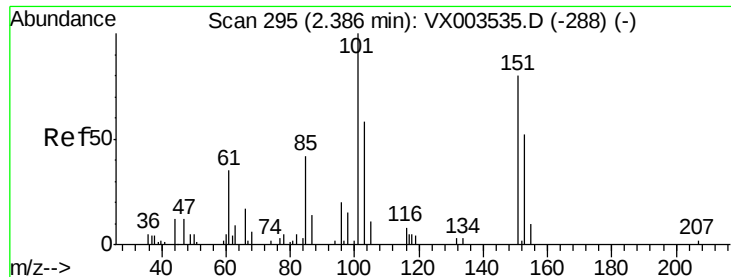
45 97.3 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.27 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

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ClientSampleId :

VSTDCCC050

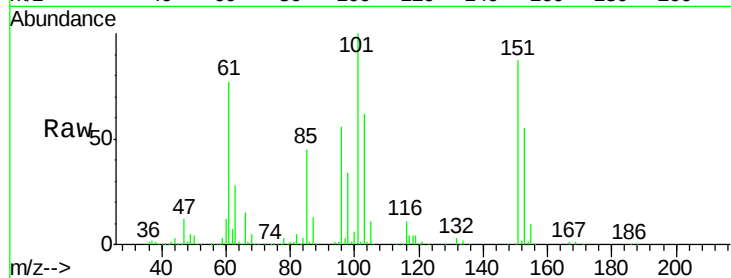
Tot Ion:101 Resp: 202620

Ion Ratio Lower Upper

101 100

85 40.6 36.0 54.0

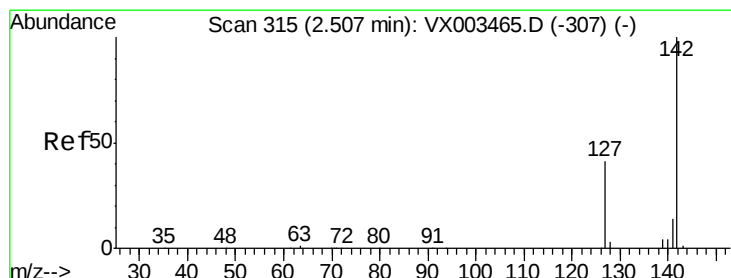
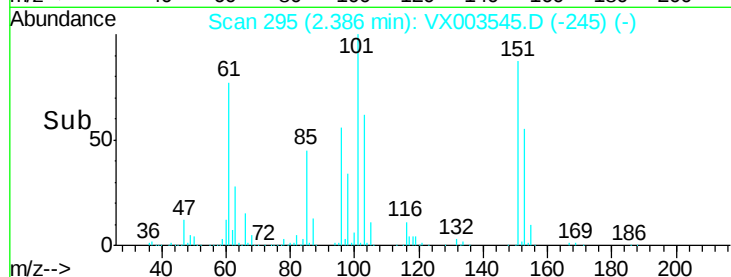
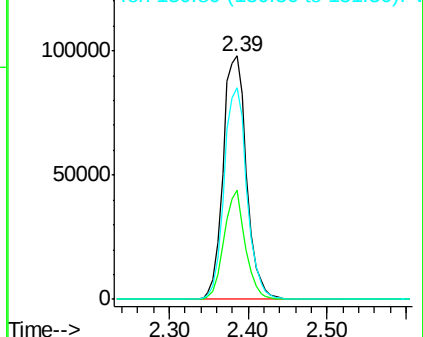
151 84.7 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 58.63 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

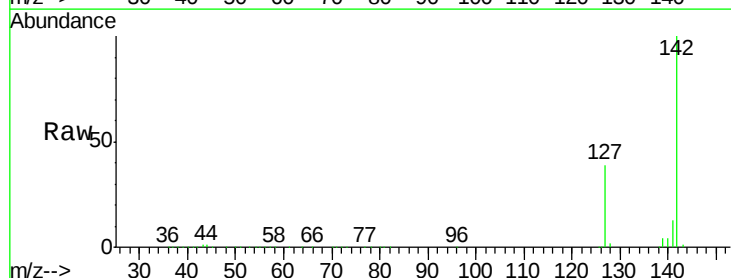
Tgt Ion:142 Resp: 262935

Ion Ratio Lower Upper

142 100

127 40.0 36.6 55.0

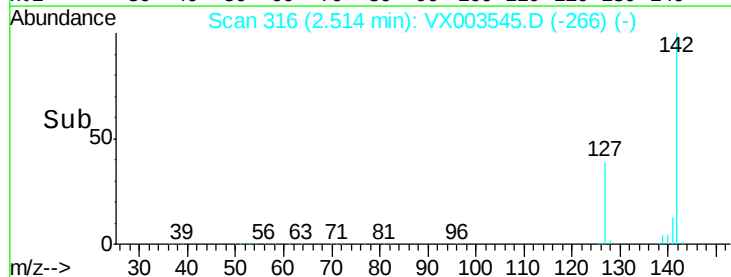
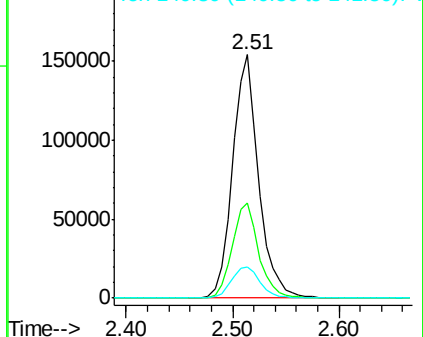
141 14.2 11.3 16.9

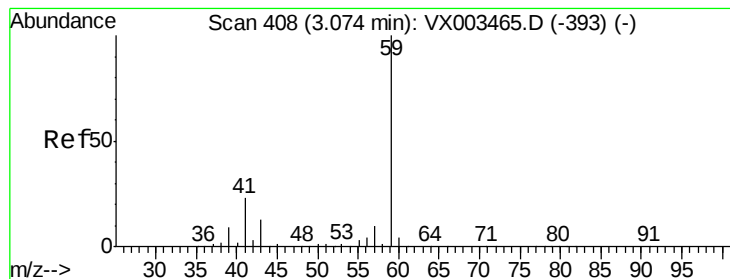


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



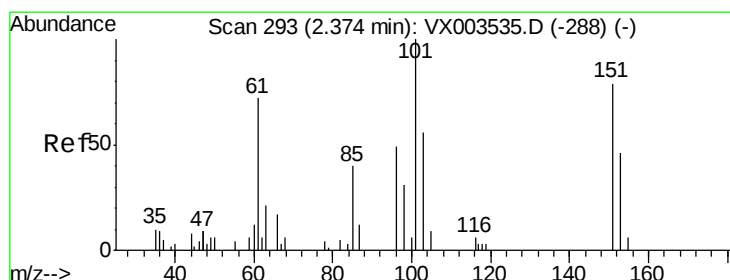
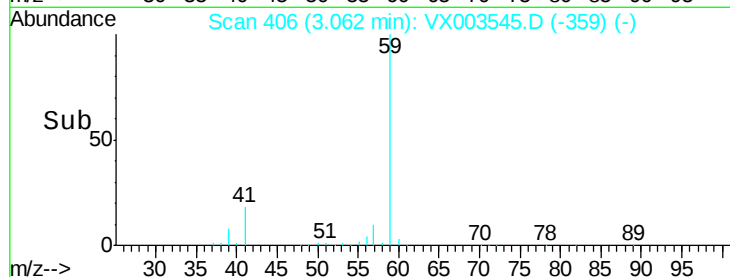
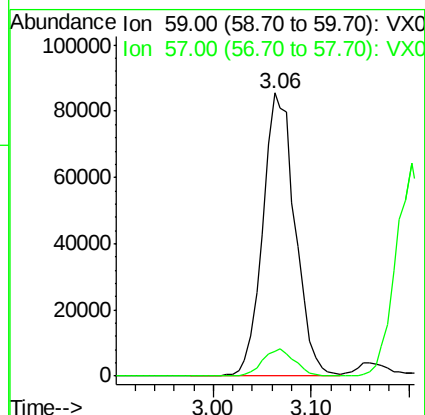
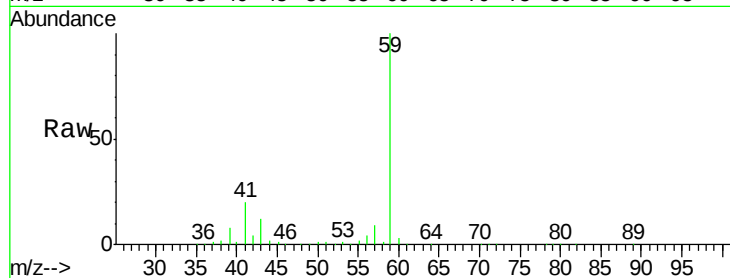


#11

Tert butyl alcohol
 Concen: 250.58 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

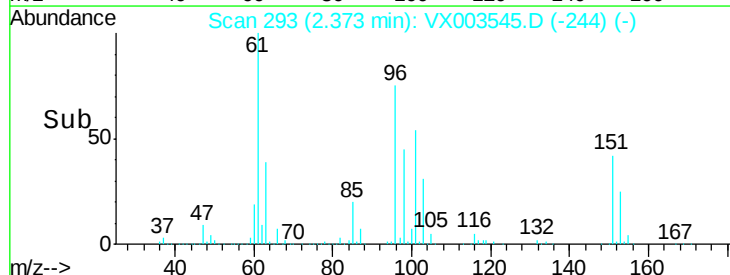
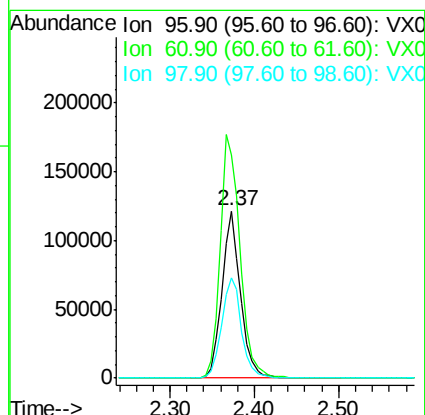
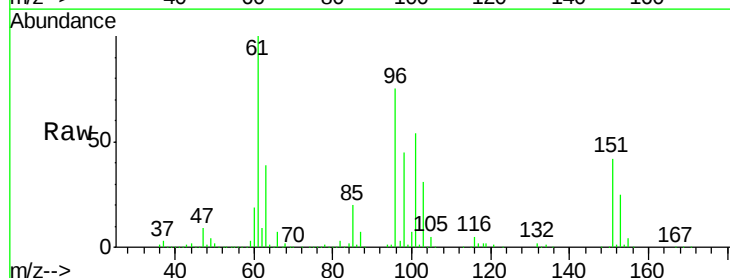
Tot Ion: 59 Resp: 197540
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.2

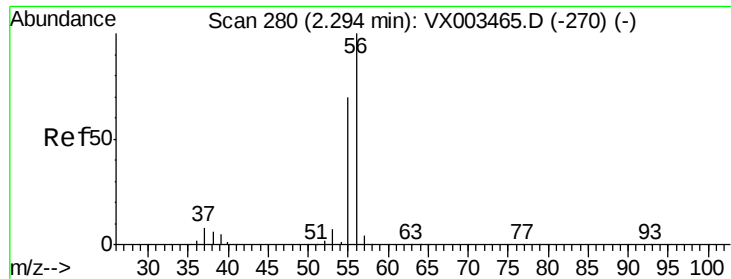


#12

1,1-Dichloroethene
 Concen: 53.92 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Tgt Ion: 96 Resp: 185367
 Ion Ratio Lower Upper
 96 100
 61 133.1 137.9 206.9#
 98 60.3 51.6 77.4





#13

Acrolein

Concen: 231.58 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

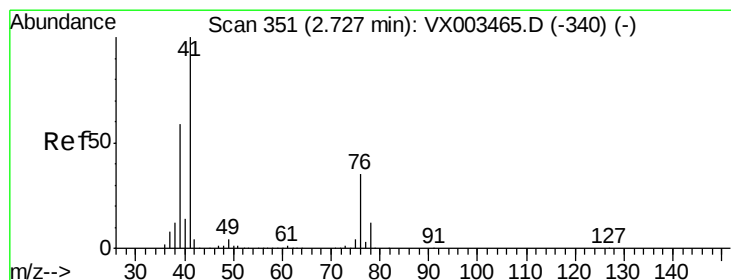
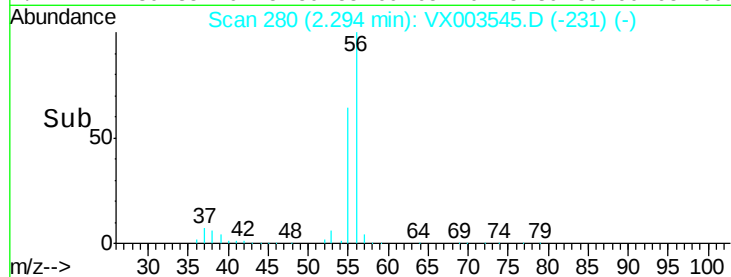
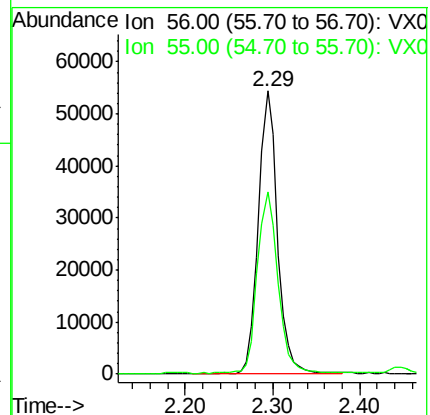
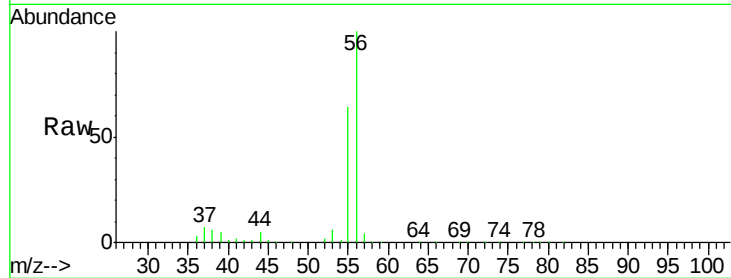
VSTDCCC050

Tot Ion: 56 Resp: 82488

Ion Ratio Lower Upper

56 100

55 69.0 57.0 85.4



#14

Allyl chloride

Concen: 57.57 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

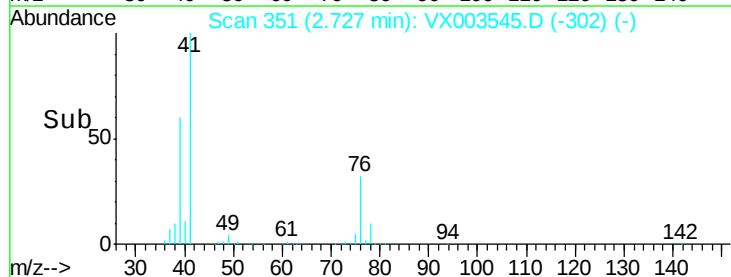
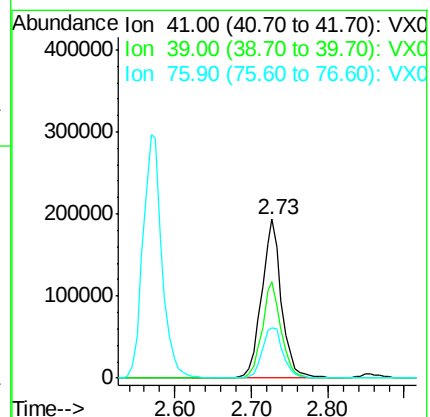
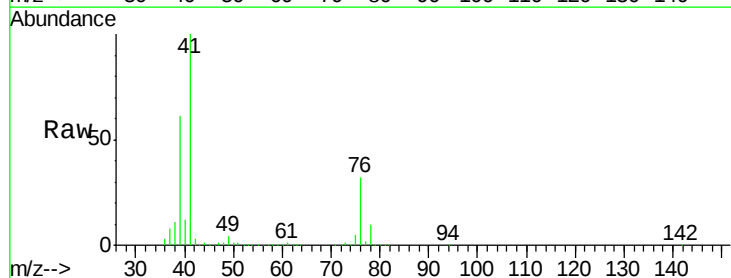
Tgt Ion: 41 Resp: 350318

Ion Ratio Lower Upper

41 100

39 57.9 56.8 85.2

76 33.4 23.8 35.8





#15

Acrylonitrile

Concen: 265.53 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

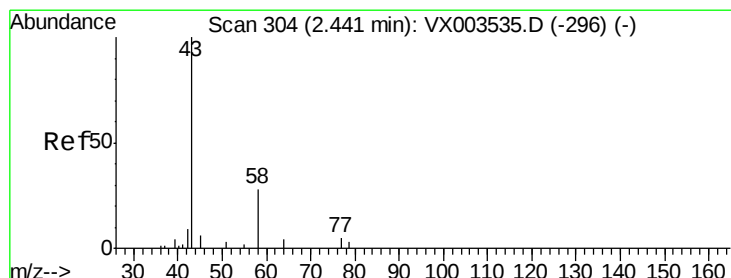
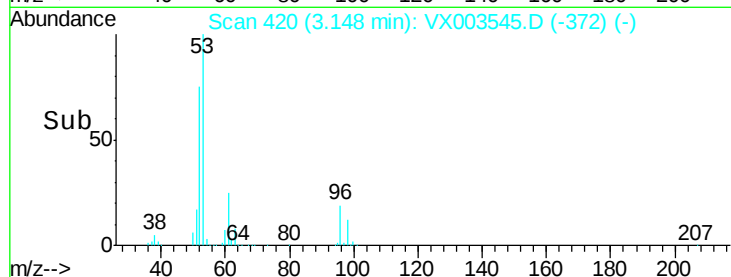
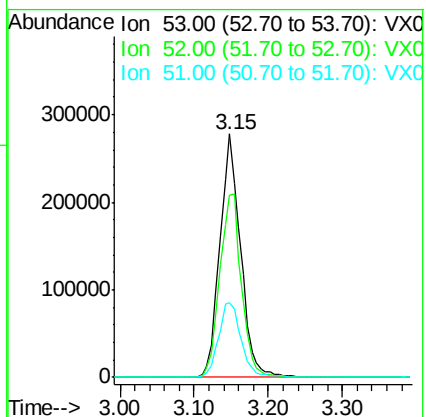
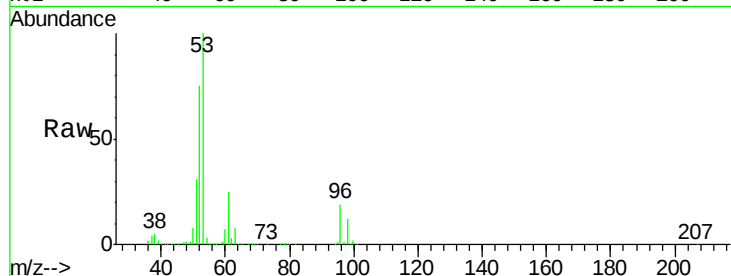
Tot Ion: 53 Resp: 532933

Ion Ratio Lower Upper

53 100

52 79.4 66.7 100.1

51 33.6 29.9 44.9



#16

Acetone

Concen: 347.60 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003545.D

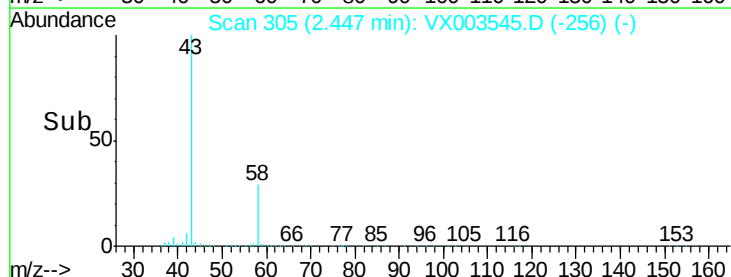
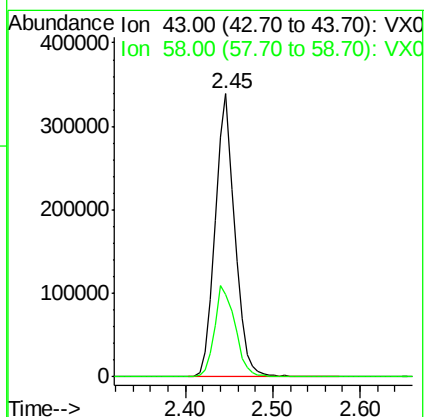
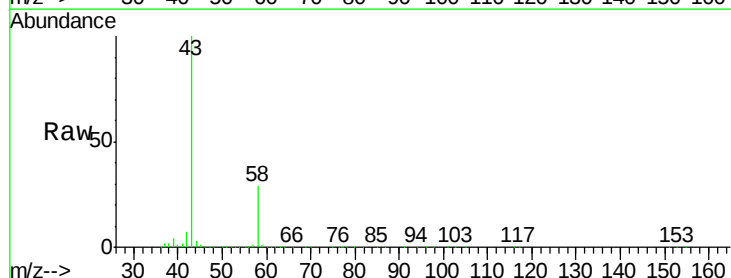
Acq: 21 Jul 2018 10:19

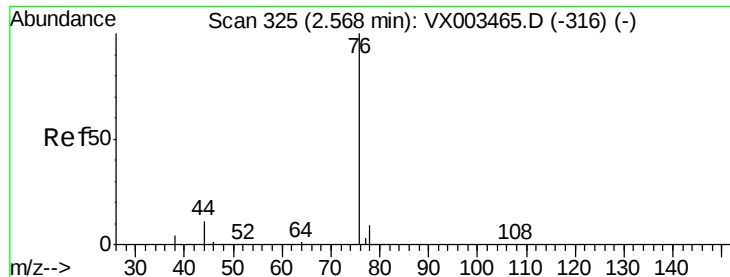
Tgt Ion: 43 Resp: 523076

Ion Ratio Lower Upper

43 100

58 29.3 22.1 33.1

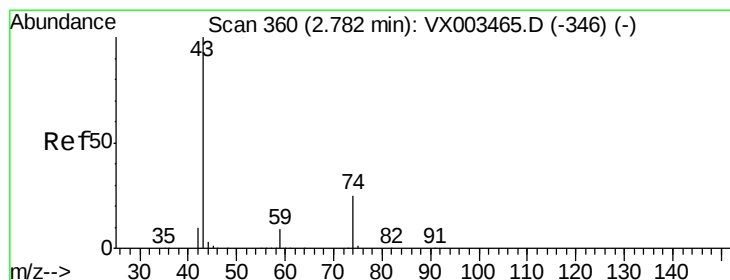
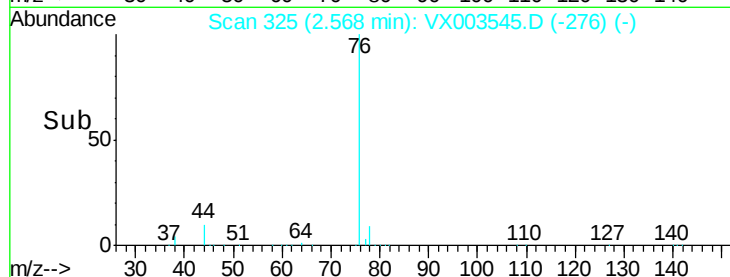
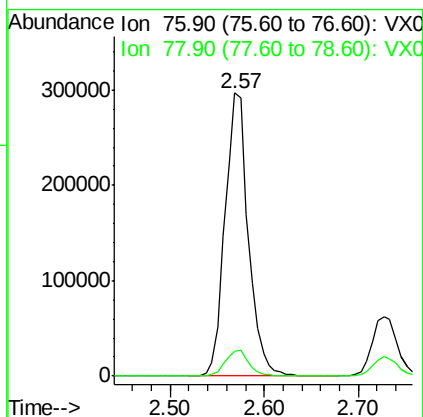
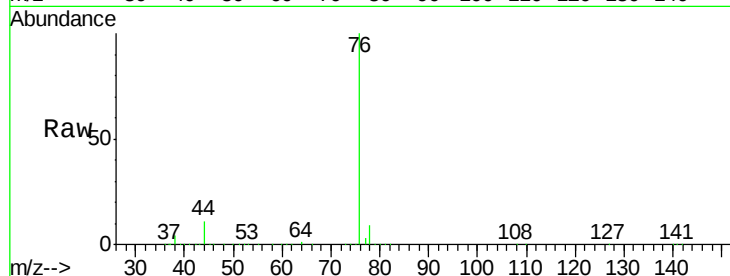




#17
Carbon Disulfide
Concen: 55.06 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

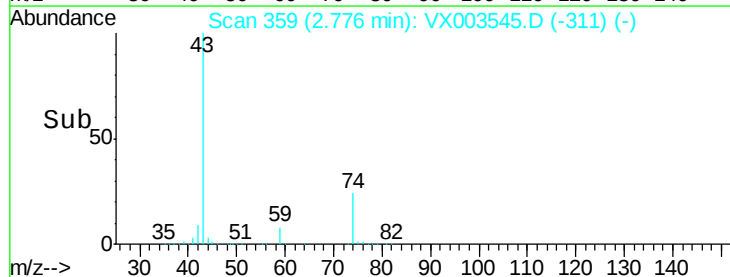
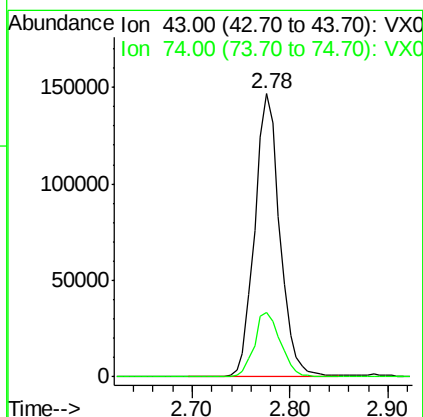
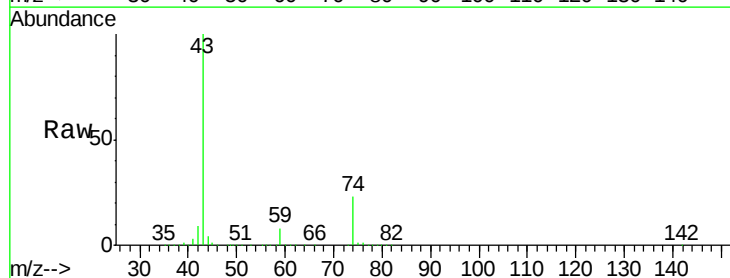
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

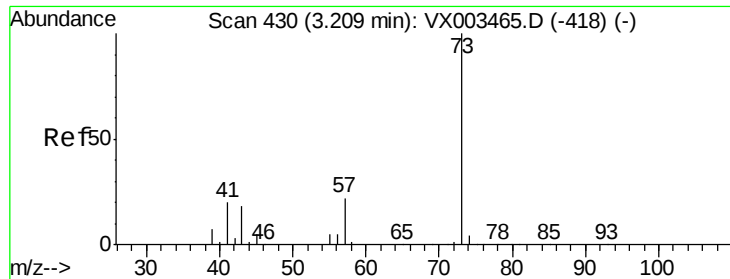
Tot Ion: 76 Resp: 511872
Ion Ratio Lower Upper
76 100
78 8.9 6.9 10.3



#18
Methyl Acetate
Concen: 55.10 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 43 Resp: 261389
Ion Ratio Lower Upper
43 100
74 24.0 16.7 25.1

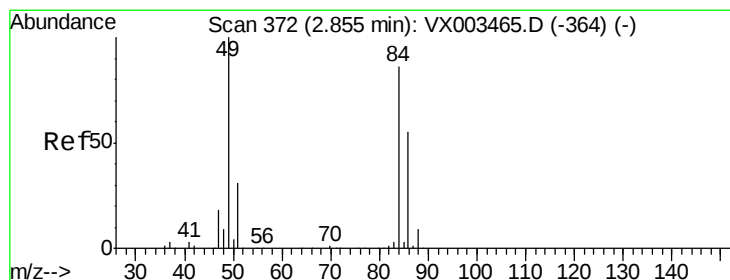
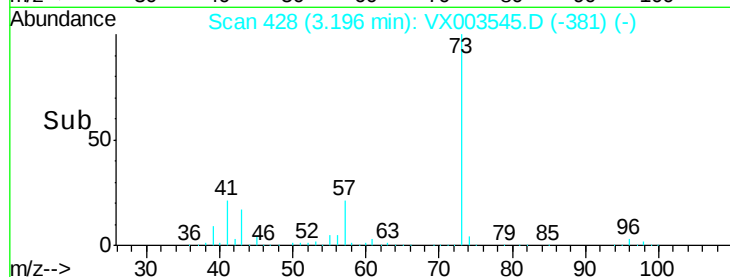
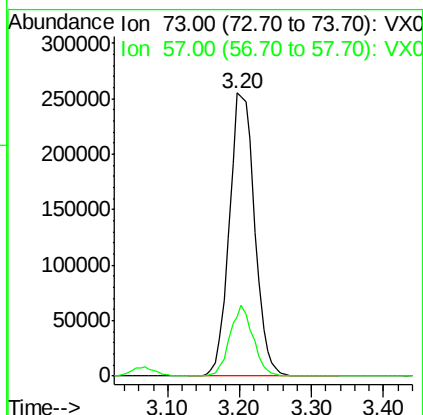
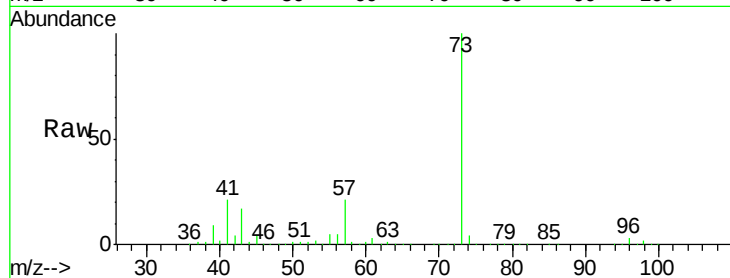




#19
Methyl tert-butyl Ether
Concen: 55.78 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

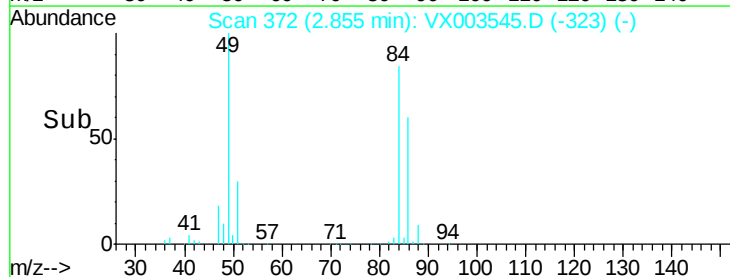
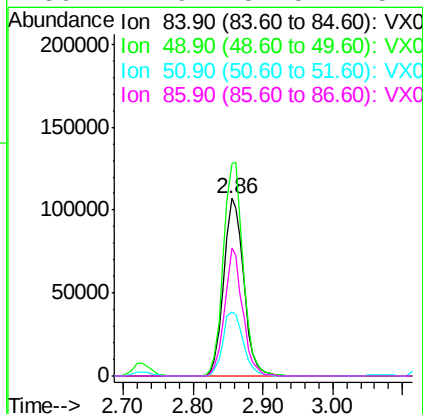
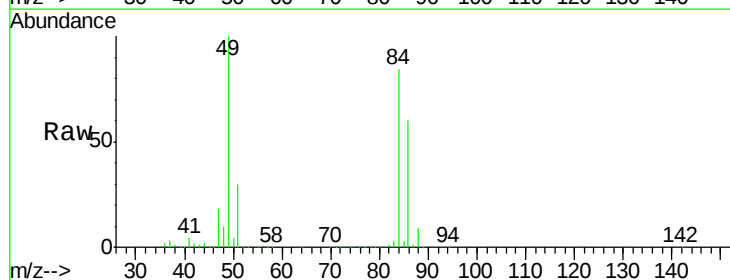
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 626161
Ion Ratio Lower Upper
73 100
57 20.8 17.7 26.5



#20
Methylene Chloride
Concen: 57.65 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 84 Resp: 211620
Ion Ratio Lower Upper
84 100
49 119.3 107.8 161.6
51 35.8 32.8 49.2
86 71.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 53.57 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

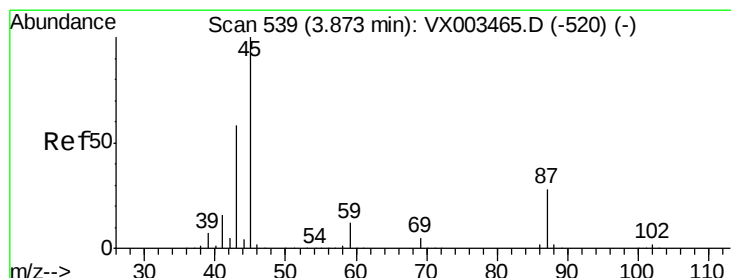
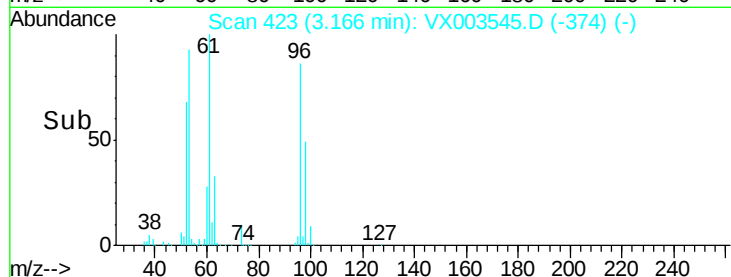
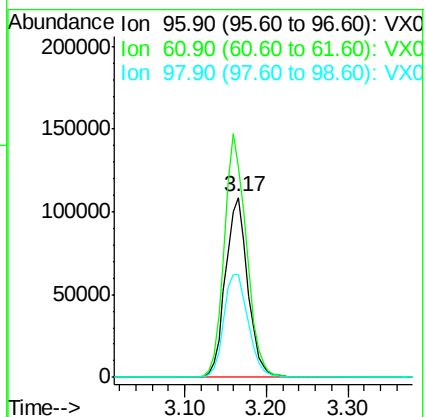
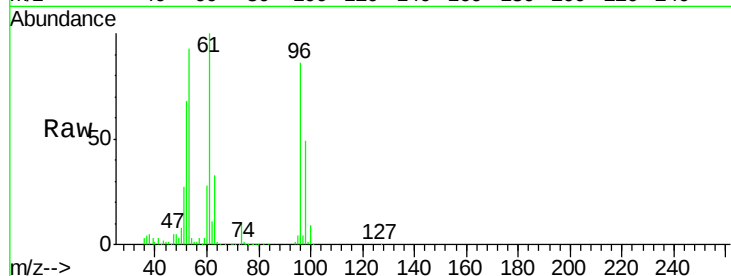
Tot Ion: 96 Resp: 204902

Ion Ratio Lower Upper

96 100

61 116.5 117.0 175.4#

98 57.1 52.4 78.6



#22

Diisopropyl ether

Concen: 57.18 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Tgt Ion: 45 Resp: 654691

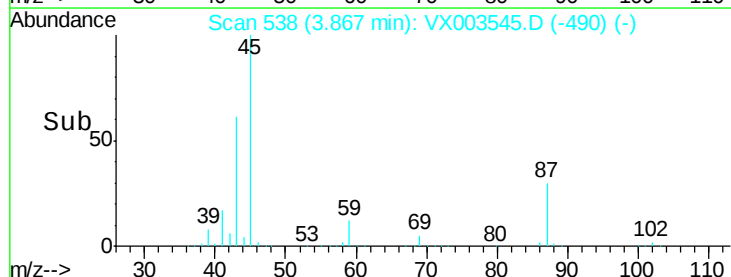
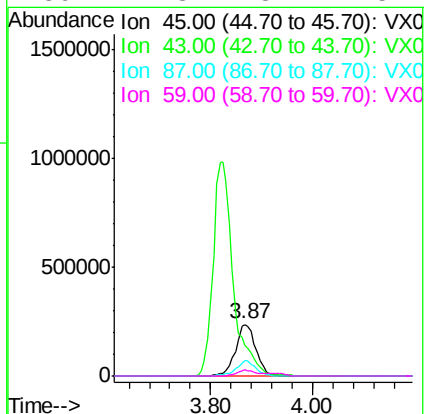
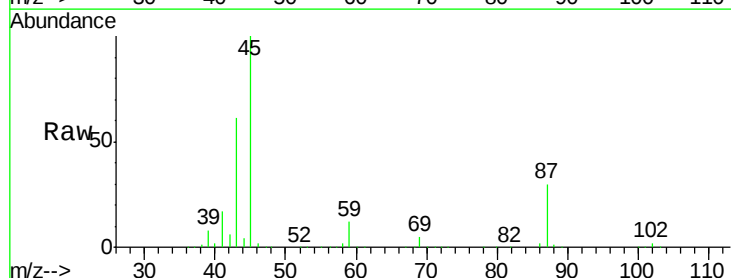
Ion Ratio Lower Upper

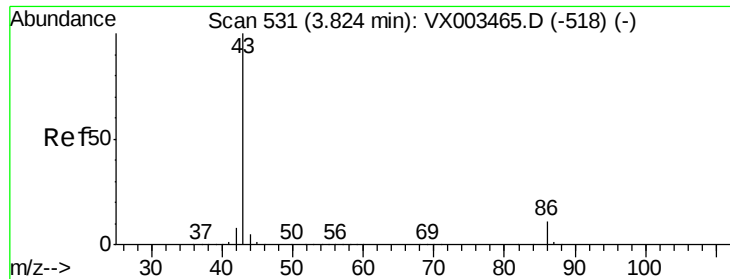
45 100

43 61.0 46.8 70.2

87 29.5 20.2 30.4

59 12.3 8.7 13.1





#23

Vinyl Acetate

Concen: 286.25 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampled :

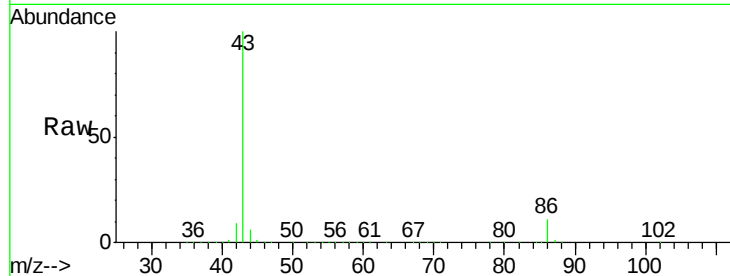
VSTDCCC050

Tot Ion: 43 Resp: 2699913

Ion Ratio Lower Upper

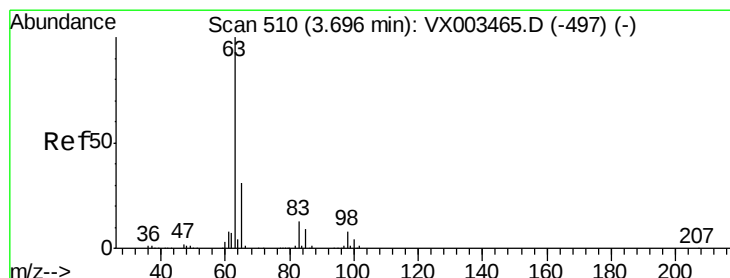
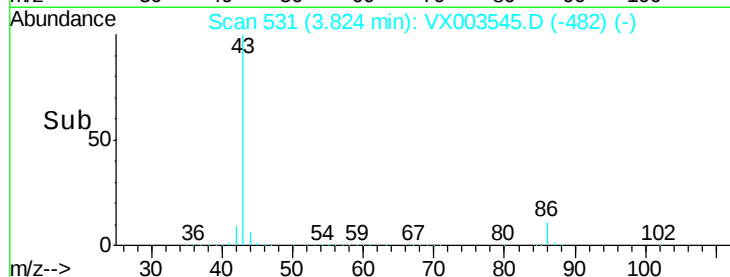
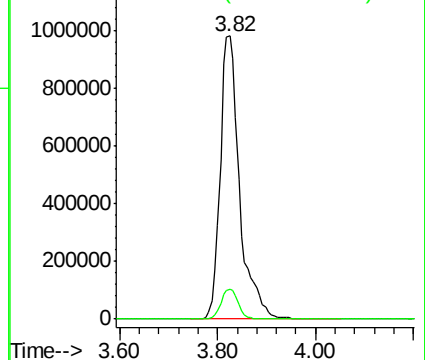
43 100

86 10.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 55.30 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

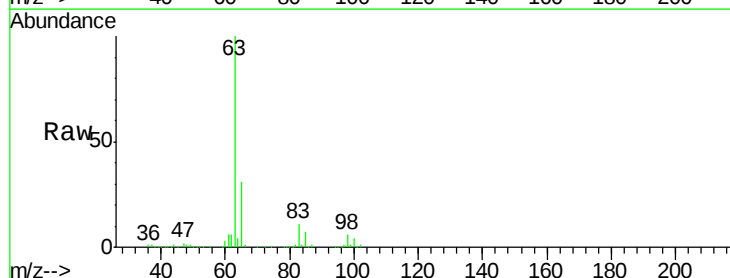
Tgt Ion: 63 Resp: 371527

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

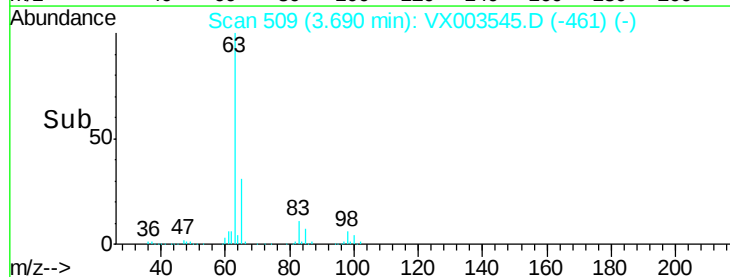
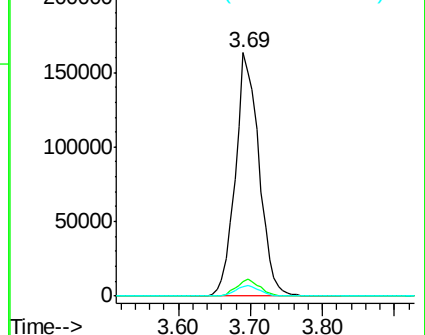
100 3.8 2.0 6.0

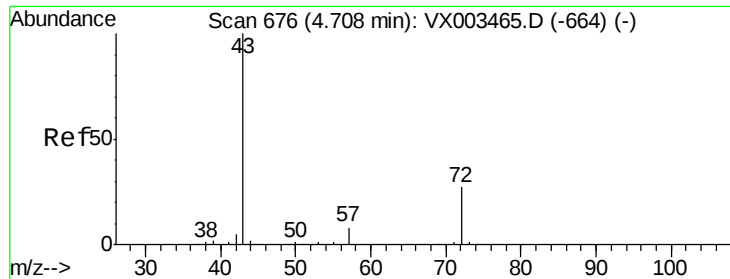


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 289.00 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

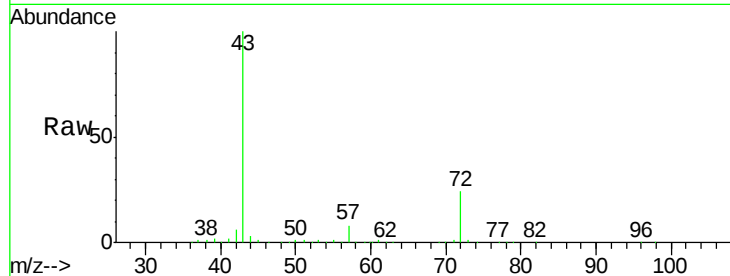
VSTDCCC050

Tot Ion: 43 Resp: 729676

Ion Ratio Lower Upper

43 100

72 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

250000

200000

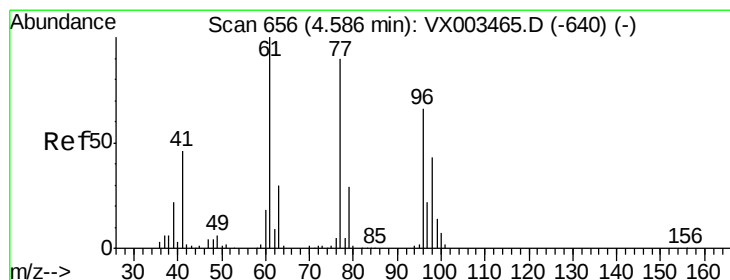
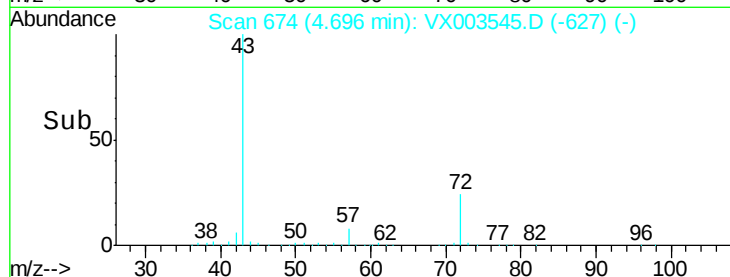
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 58.50 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003545.D

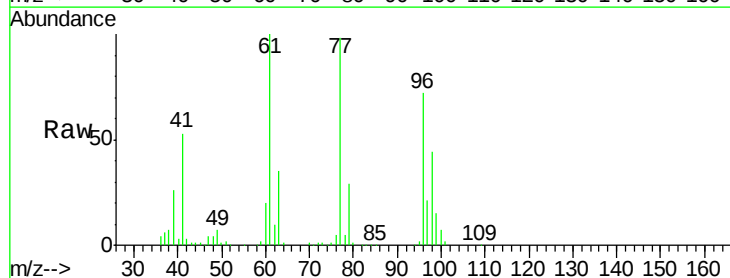
Acq: 21 Jul 2018 10:19

Tgt Ion: 77 Resp: 298479

Ion Ratio Lower Upper

77 100

97 24.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

100000

80000

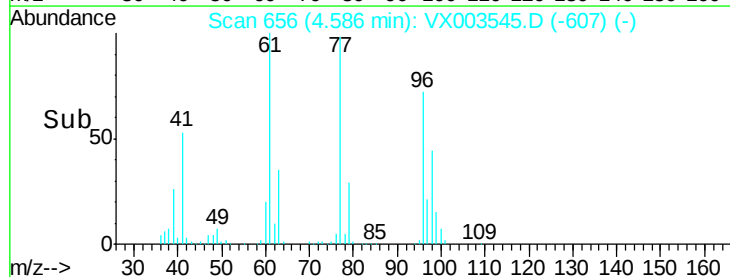
60000

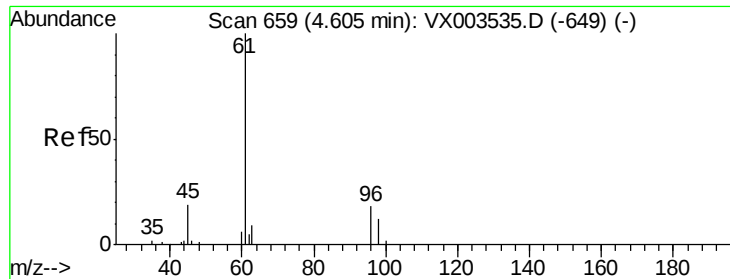
40000

20000

0

Time-->



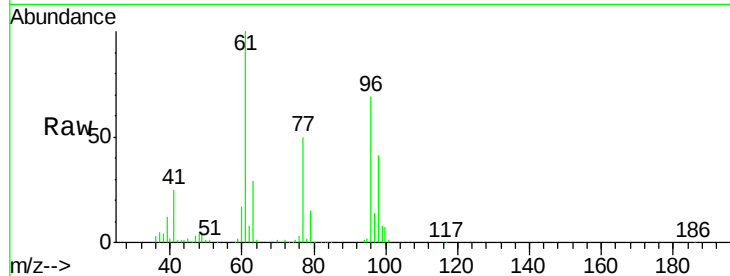


#27

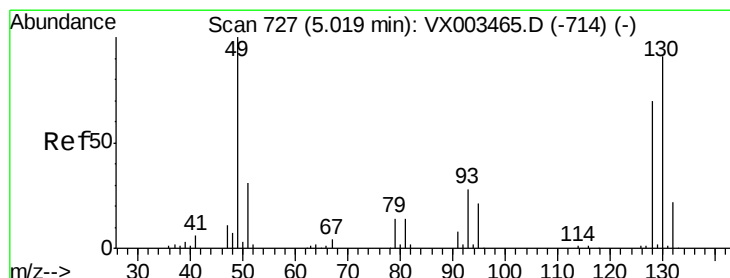
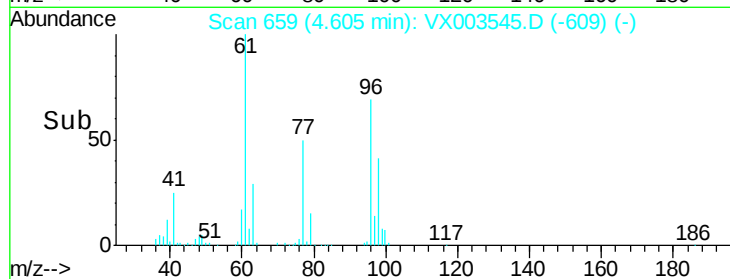
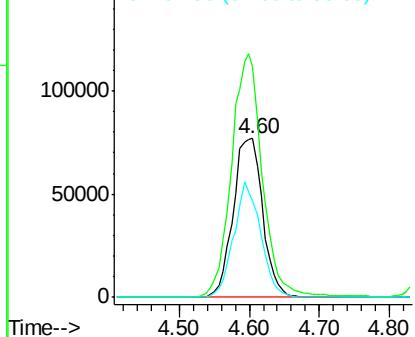
cis-1,2-Dichloroethene
Concen: 53.14 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 226301
Ion Ratio Lower Upper
96 100
61 160.4 0.0 330.2
98 65.7 0.0 130.2



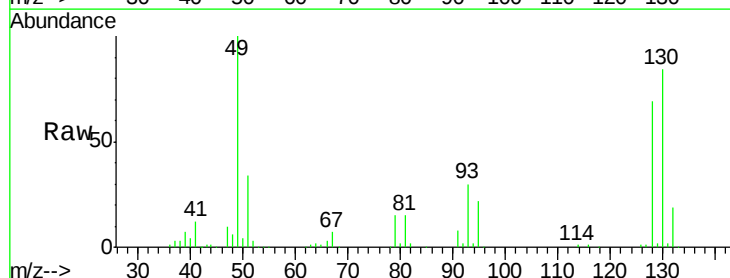
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



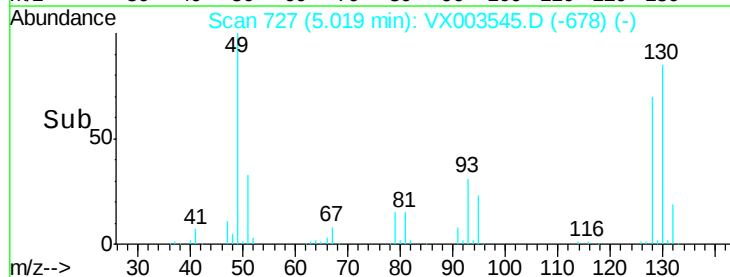
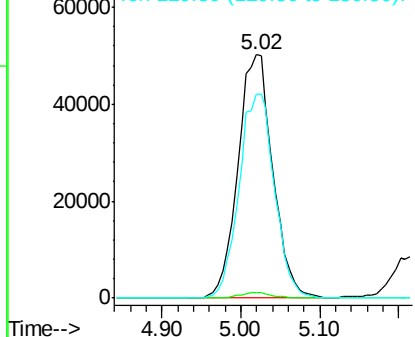
#28

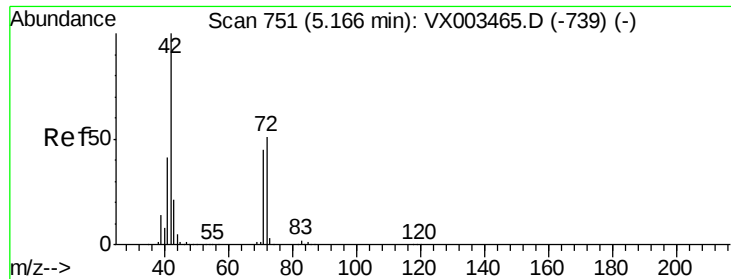
Bromochloromethane
Concen: 52.55 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 49 Resp: 154318
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 85.2 61.2 91.8



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

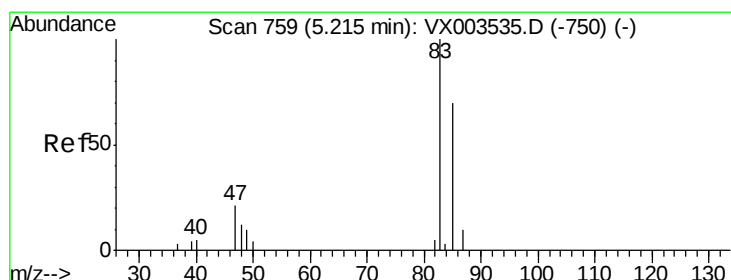
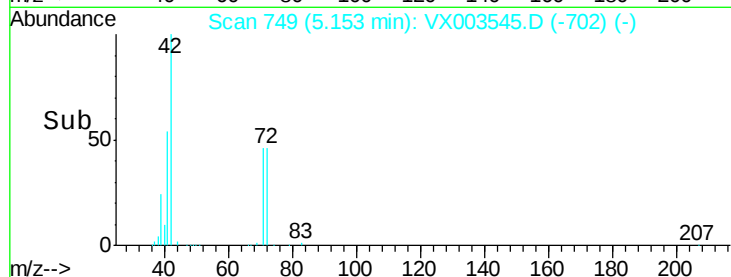
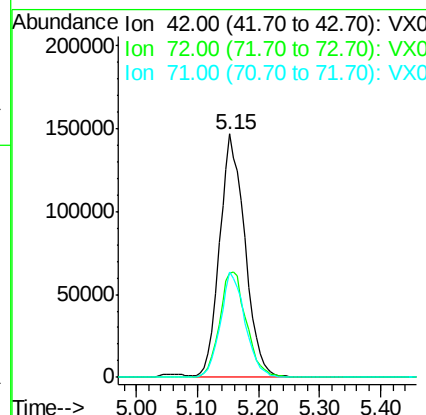
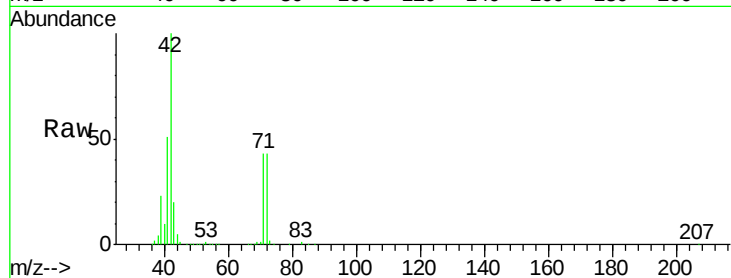




#29
Tetrahydrofuran
Concen: 253.37 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

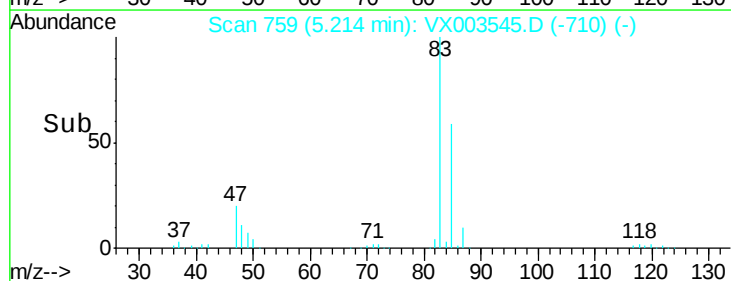
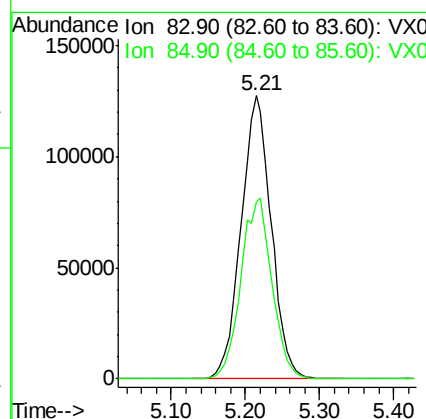
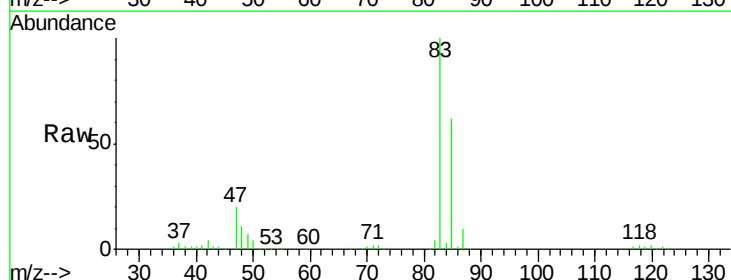
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

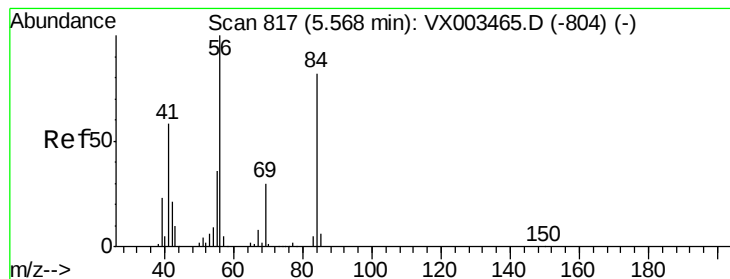
Tot Ion: 42 Resp: 422592
Ion Ratio Lower Upper
42 100
72 45.9 32.0 48.0
71 42.3 30.1 45.1



#30
Chloroform
Concen: 55.08 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 83 Resp: 361347
Ion Ratio Lower Upper
83 100
85 62.4 50.4 75.6





#31

Cyclohexane

Concen: 53.92 ug/l

RT: 5.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

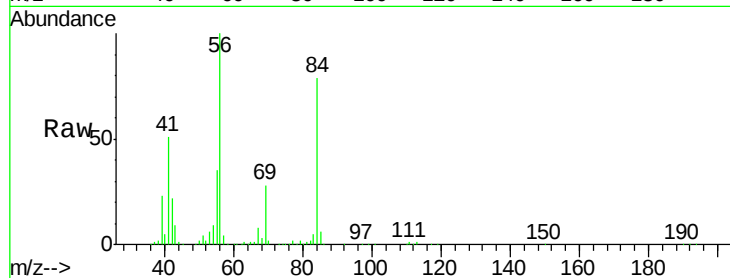
Tot Ion: 56 Resp: 323669

Ion Ratio Lower Upper

56 100

69 28.3 23.7 35.5

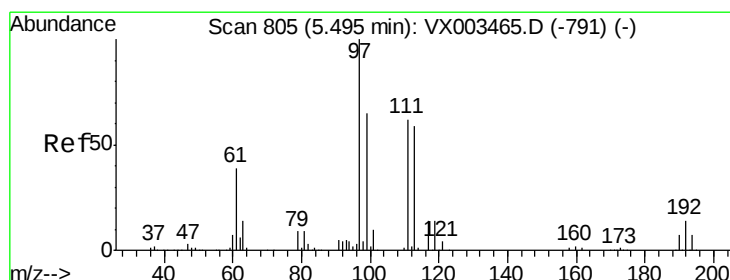
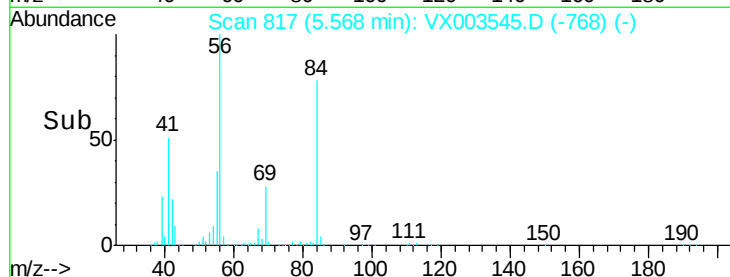
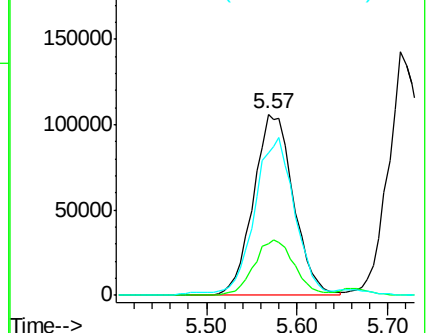
84 77.1 64.1 96.1



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: 55.55 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

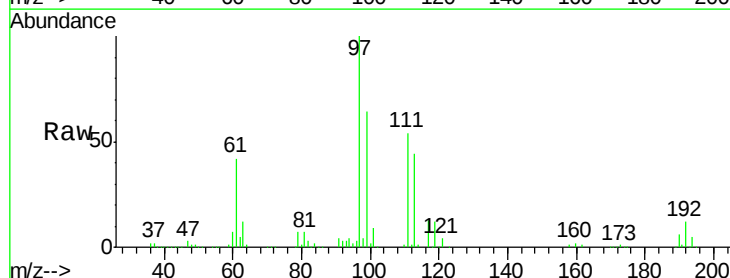
Tgt Ion: 97 Resp: 312077

Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

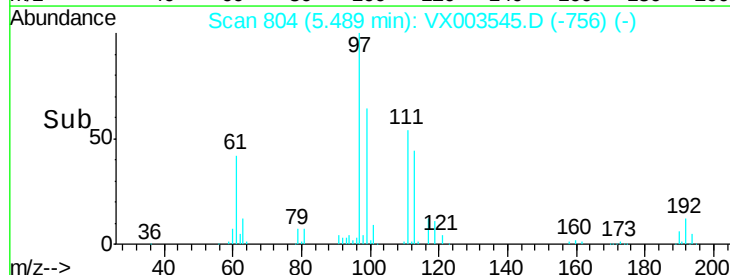
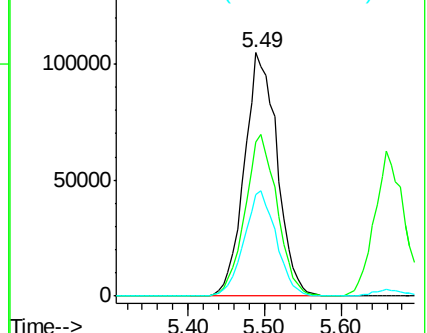
61 42.6 36.4 54.6

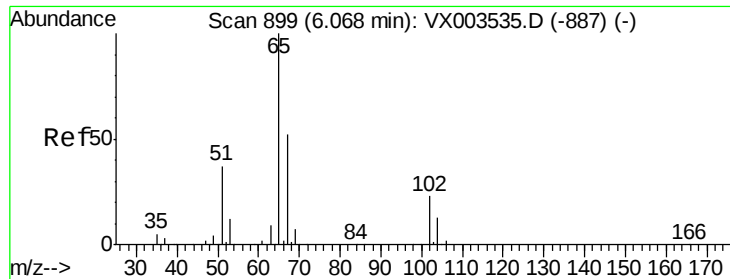


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

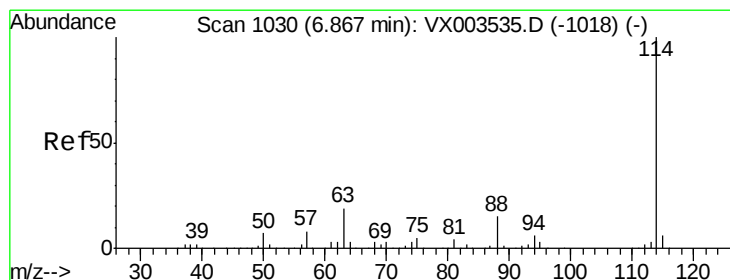
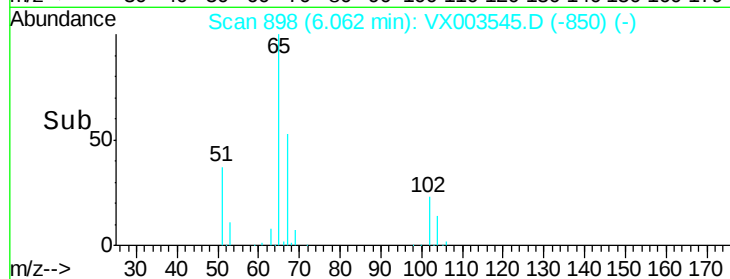
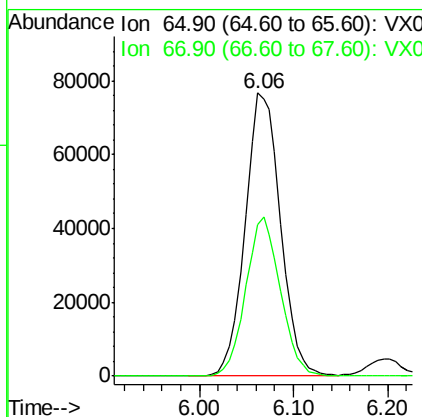
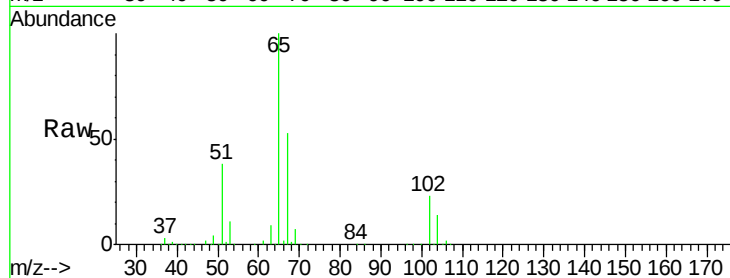




#33
 1,2-Dichloroethane-d4
 Concen: 50.56 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

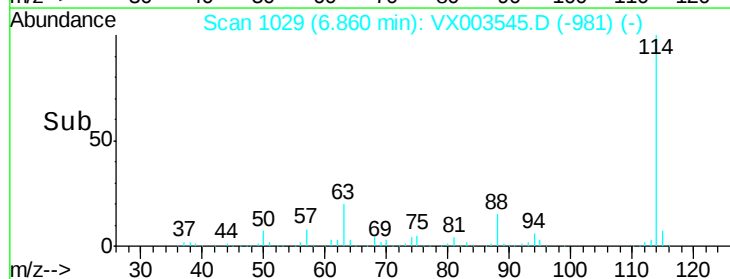
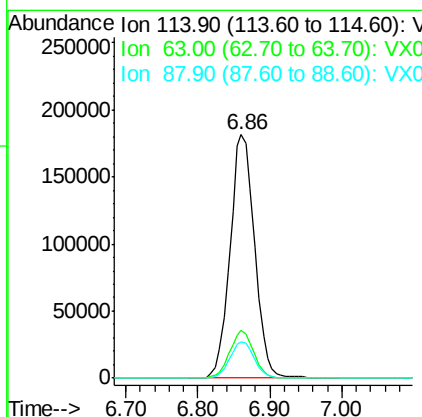
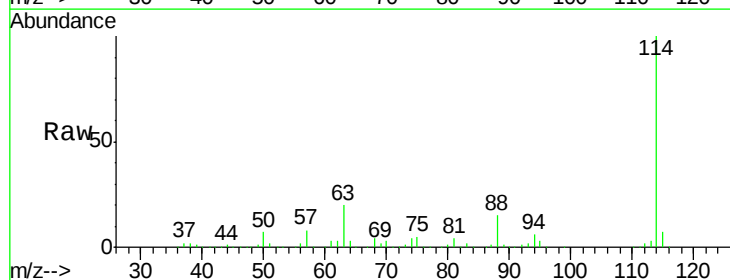
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

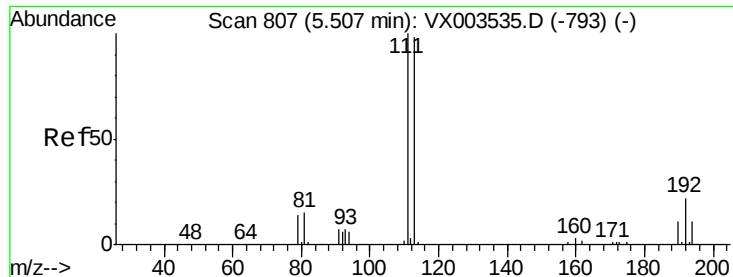
Tot Ion: 65 Resp: 201419
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Tgt Ion: 114 Resp: 429802
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 14.8 0.0 30.0

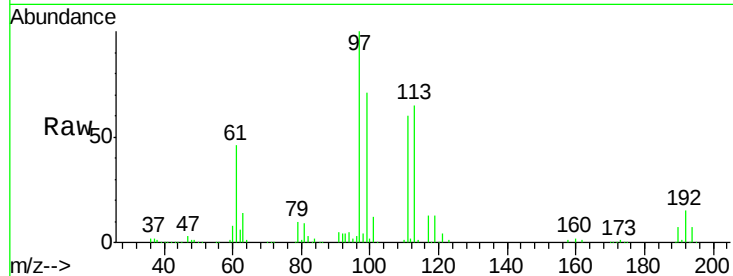




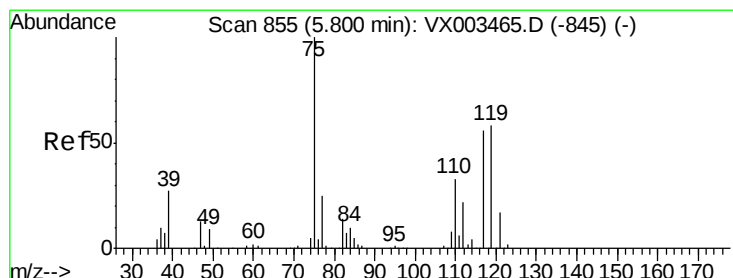
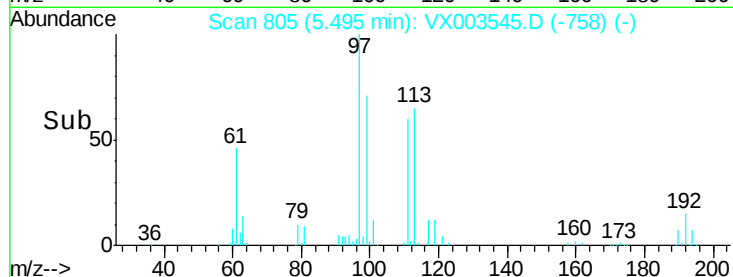
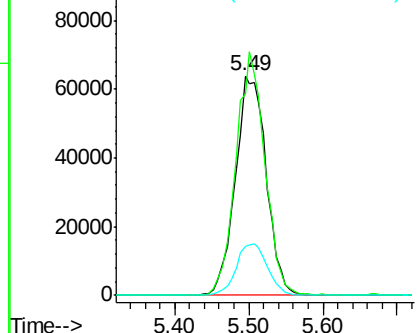
#35
 Dibromofluoromethane
 Concen: 56.85 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 186122
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.4 122.0
 192 23.7 19.1 28.7

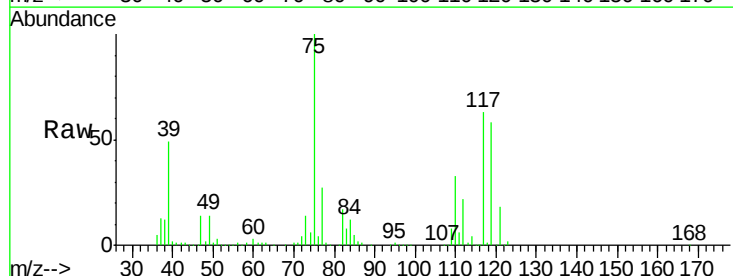


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

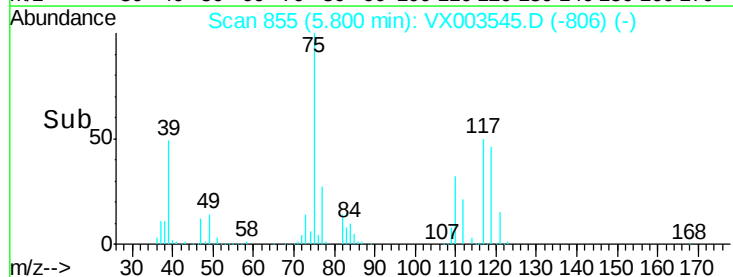
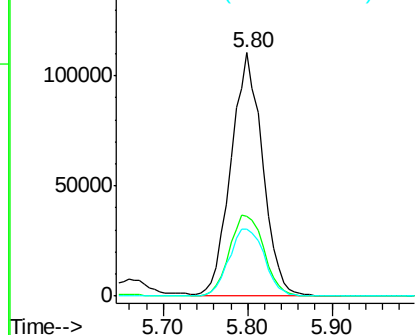


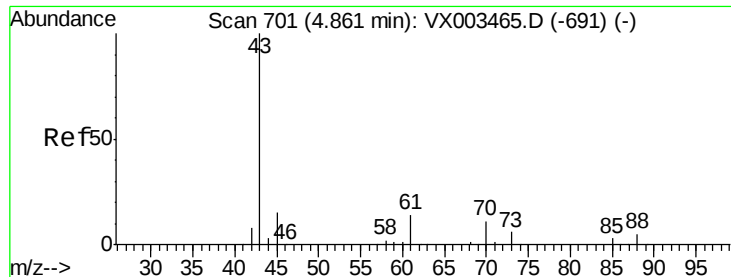
#36
 1,1-Dichloropropene
 Concen: 60.23 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Tgt Ion: 75 Resp: 279473
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.1 54.4
 77 30.7 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: 58.79 ug/l

RT: 4.86 min Scan# 701

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

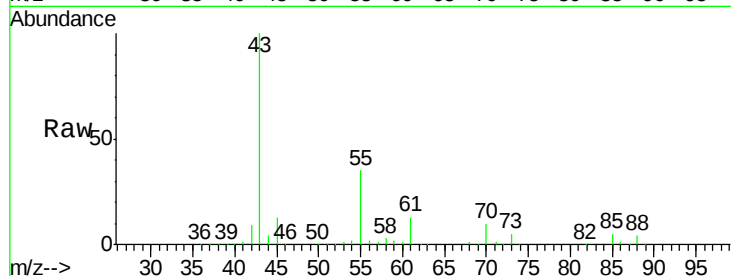
Tot Ion: 43 Resp: 258176

Ion Ratio Lower Upper

43 100

61 14.5 10.4 15.6

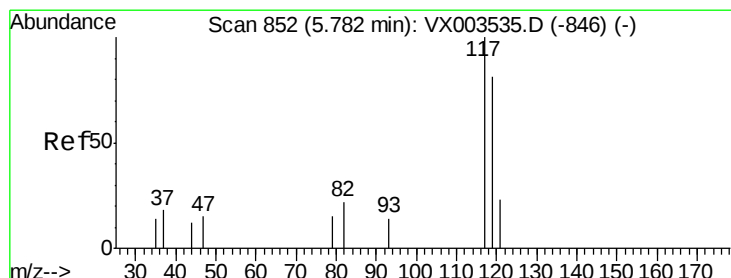
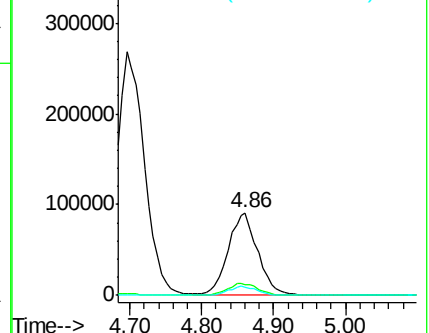
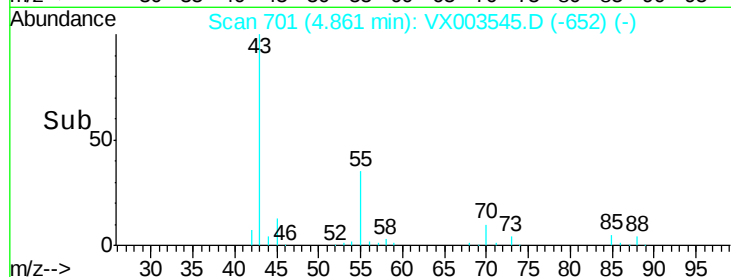
70 10.9 7.6 11.4



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: 62.15 ug/l

RT: 5.78 min Scan# 852

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

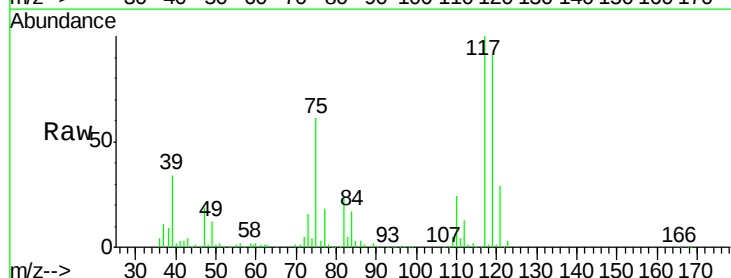
Tgt Ion: 117 Resp: 282872

Ion Ratio Lower Upper

117 100

119 90.5 77.4 116.0

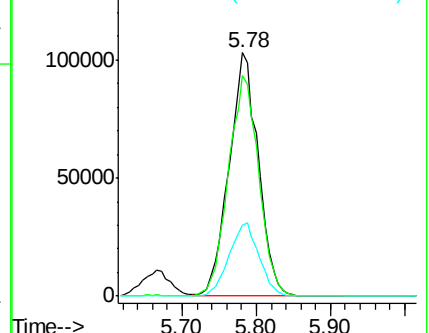
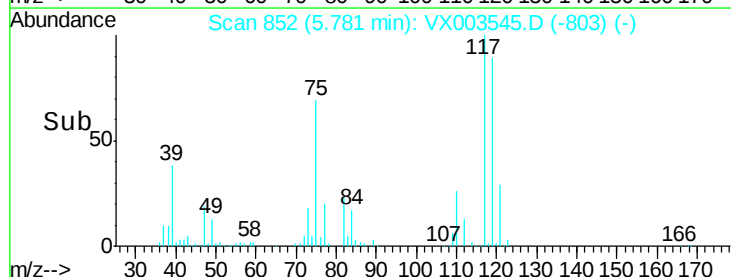
121 29.3 24.4 36.6

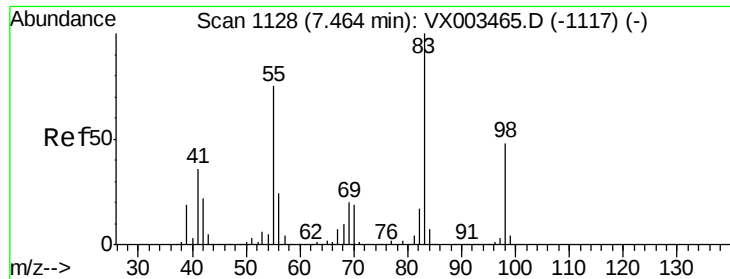


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

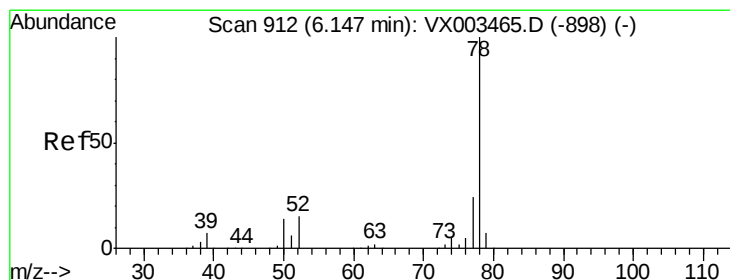
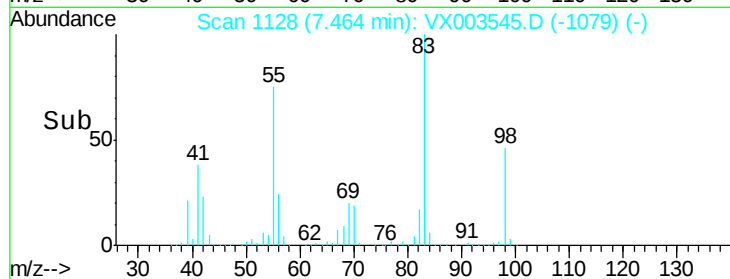
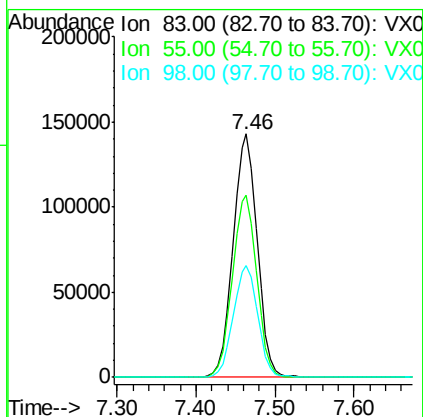
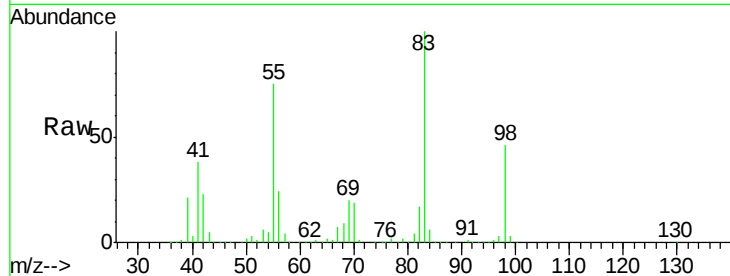




#39
Methvlcvclohexane
Concen: 55.37 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

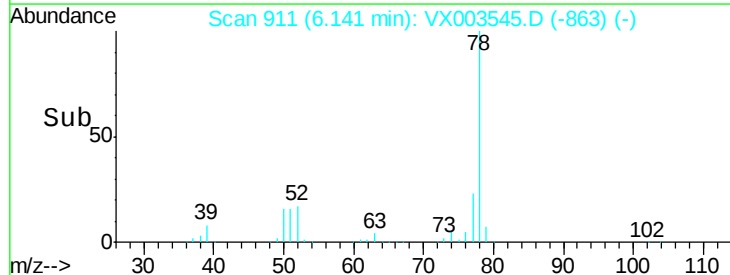
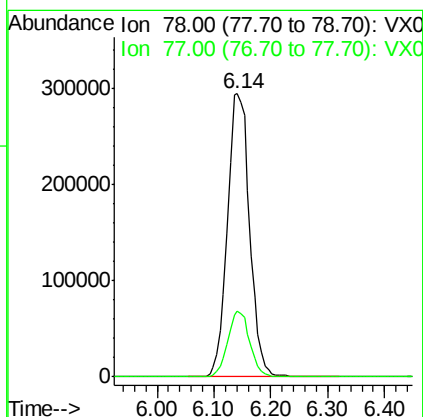
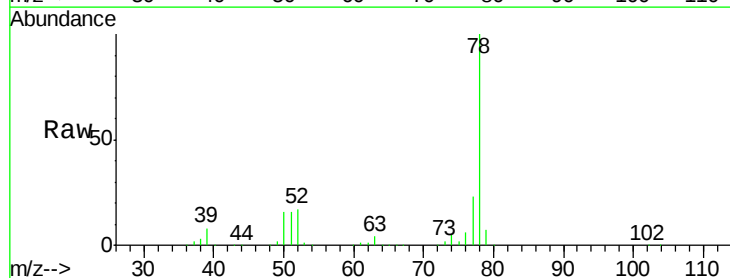
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

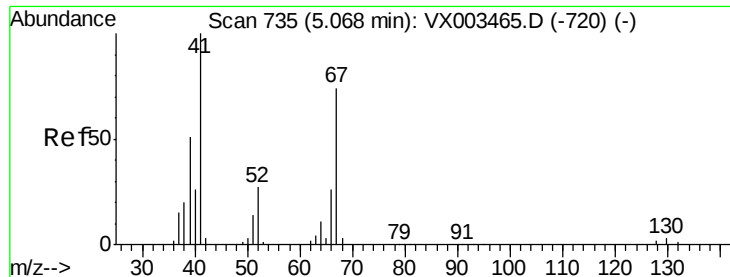
Tot Ion: 83 Resp: 304312
Ion Ratio Lower Upper
83 100
55 74.8 65.4 98.0
98 45.9 37.4 56.0



#40
Benzene
Concen: 57.43 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 78 Resp: 804578
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

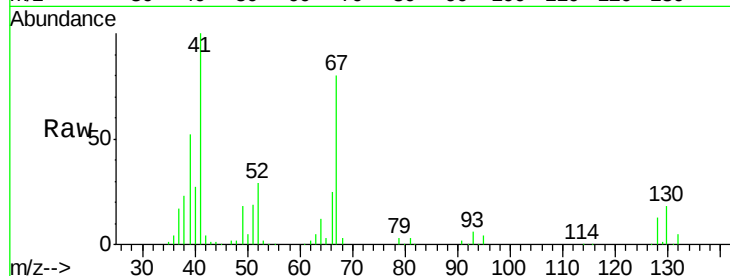




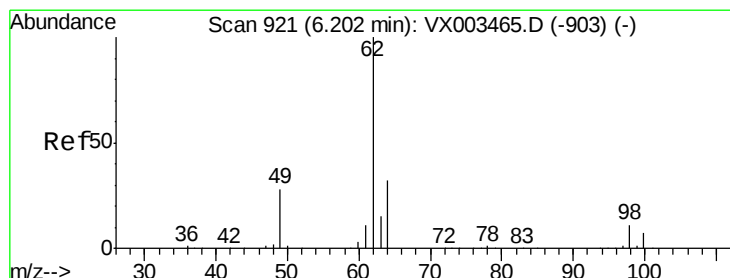
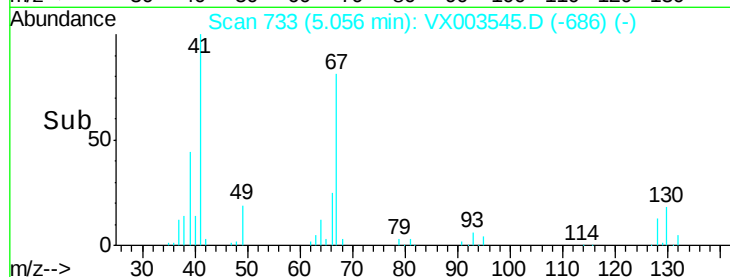
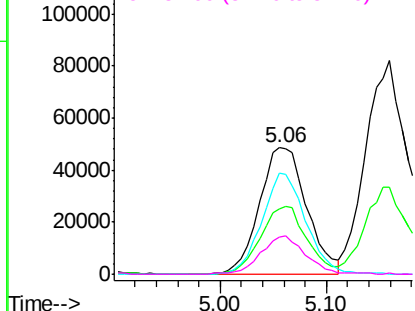
#41
Methacrylonitrile
Concen: 58.40 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	150705
Ion	Ratio	Lower	Upper
41	100		
39	52.3	45.8	68.6
67	74.2	51.3	76.9
52	28.1	23.0	34.6

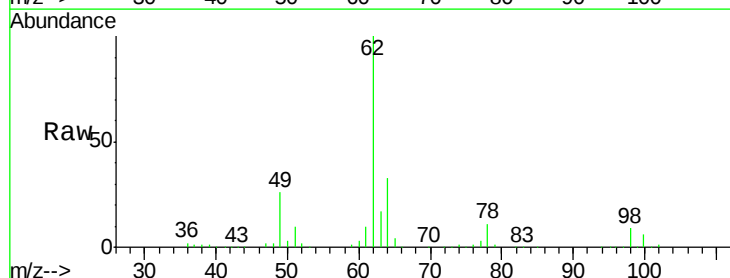


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

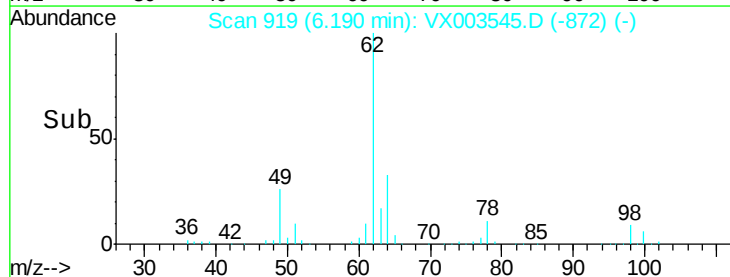
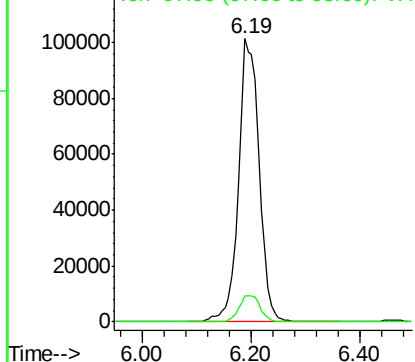


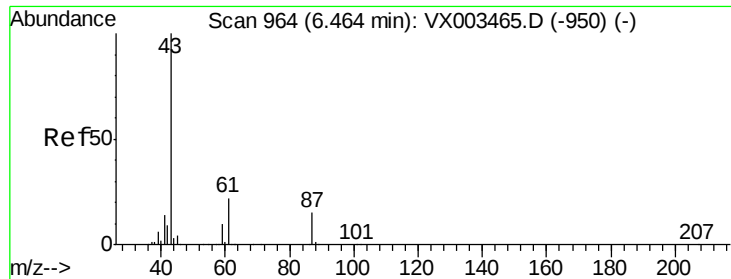
#42
1,2-Dichloroethane
Concen: 60.59 ug/l
RT: 6.19 min Scan# 919
Delta R.T. -0.01 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion:	62	Resp:	267449
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



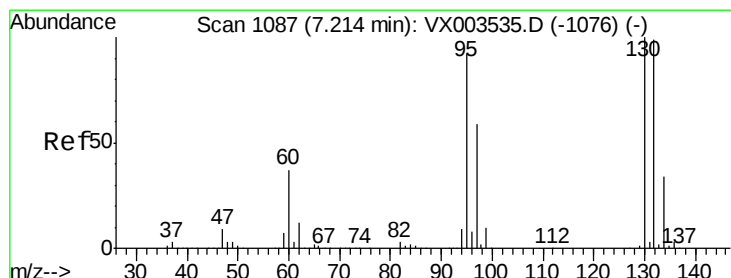
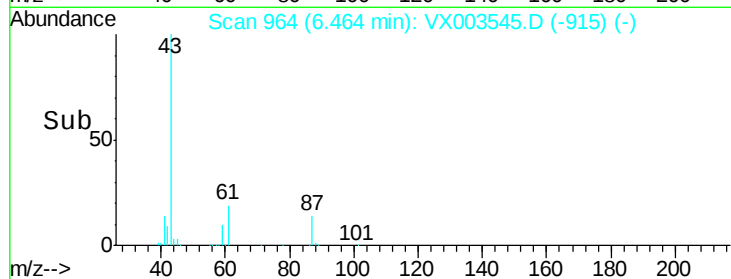
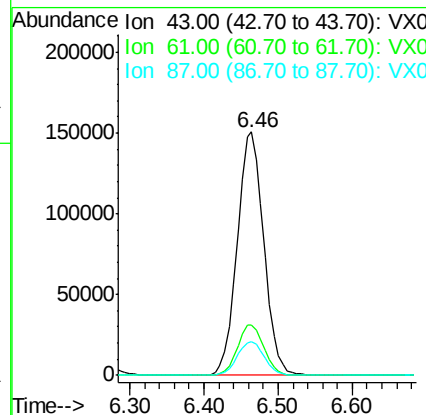
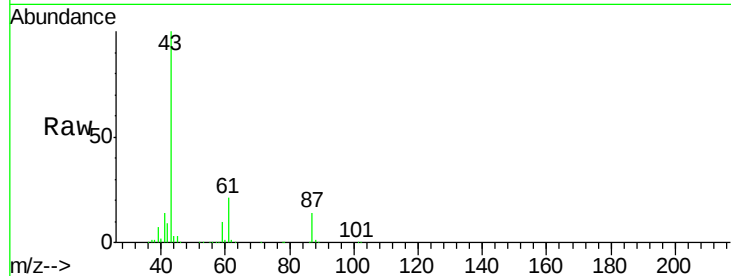


#43

Isopropyl Acetate
 Concen: 53.73 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

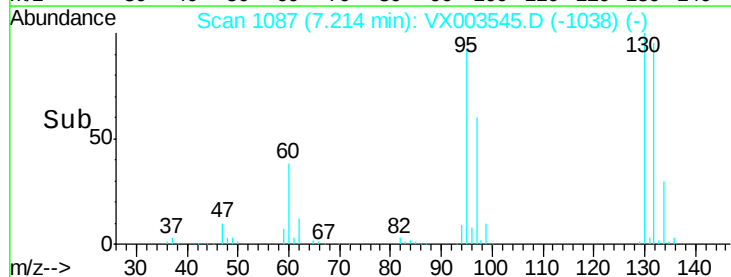
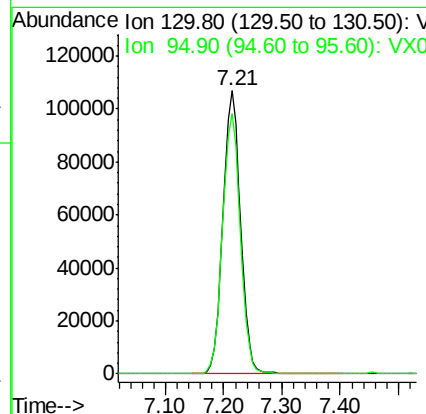
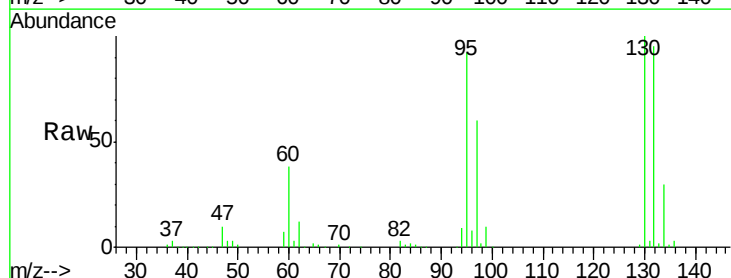
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.4	21.6
87	14.2	9.5	14.3



#44

Trichloroethene
 Concen: 53.49 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	185.4





#45

1,2-Dichloropropane

Concen: 54.73 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

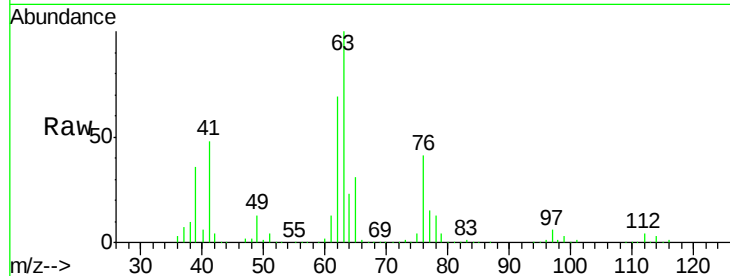
VSTDCCC050

Tot Ion: 63 Resp: 194703

Ion Ratio Lower Upper

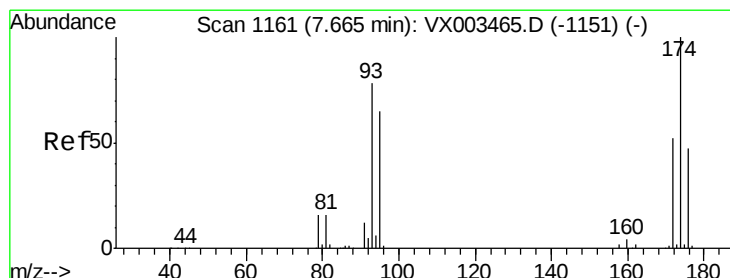
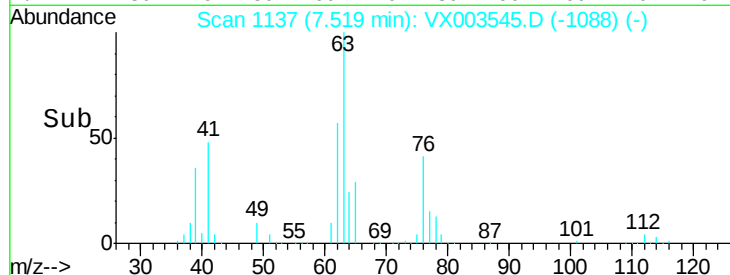
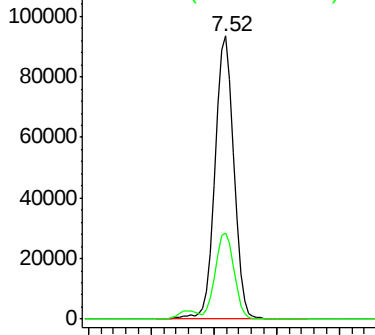
63 100

65 30.6 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: 54.45 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

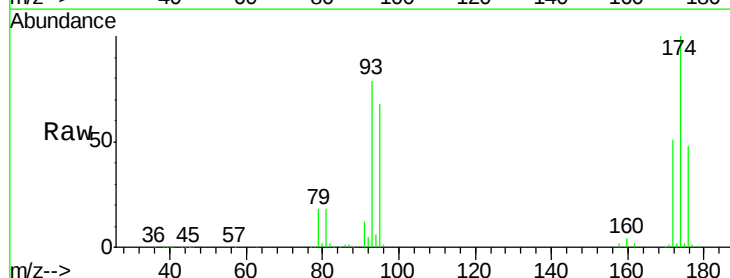
Tgt Ion: 93 Resp: 124719

Ion Ratio Lower Upper

93 100

95 84.2 65.9 98.9

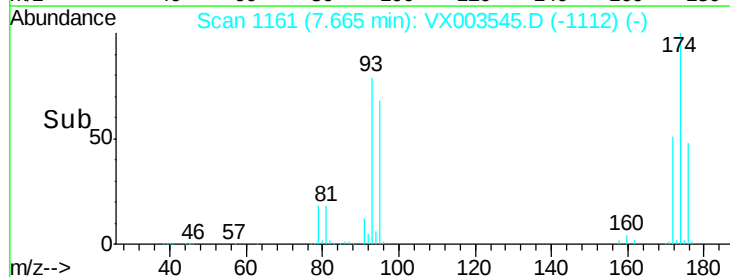
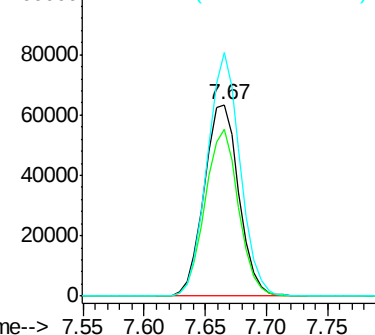
174 120.9 92.4 138.6



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: 57.50 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

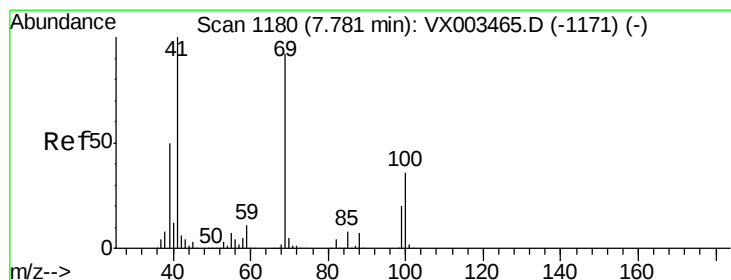
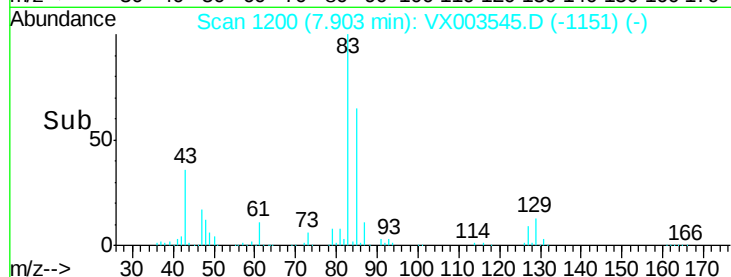
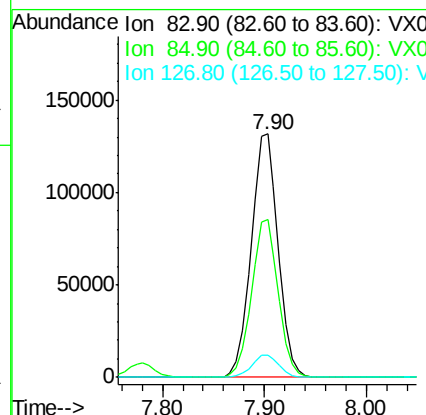
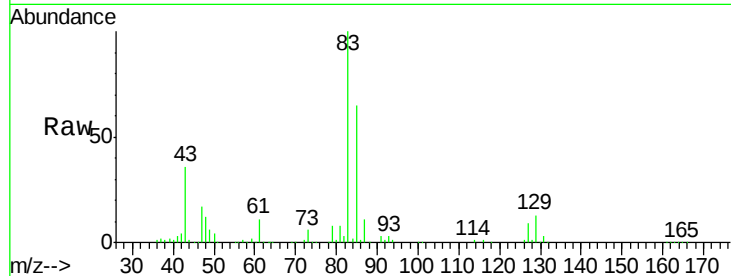
Tot Ion: 83 Resp: 241079

Ion Ratio Lower Upper

83 100

85 64.9 50.3 75.5

127 9.4 7.0 10.4



#48

Methyl methacrylate

Concen: 55.42 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

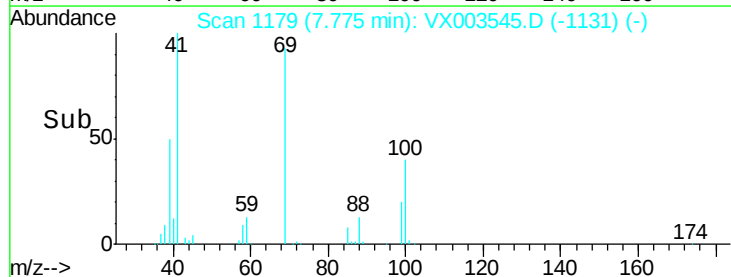
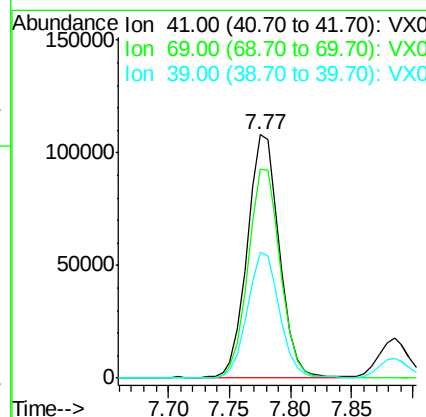
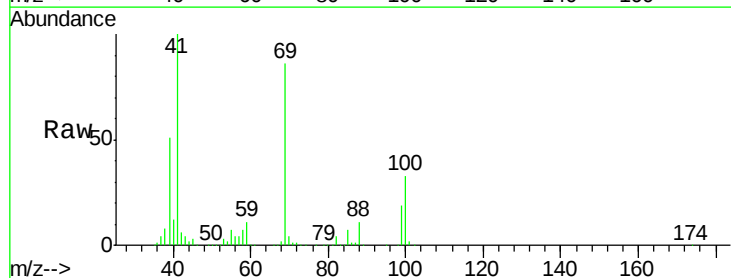
Tgt Ion: 41 Resp: 195222

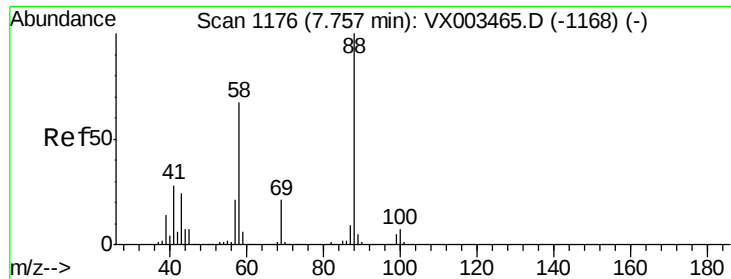
Ion Ratio Lower Upper

41 100

69 87.4 59.1 88.7

39 52.1 48.9 73.3

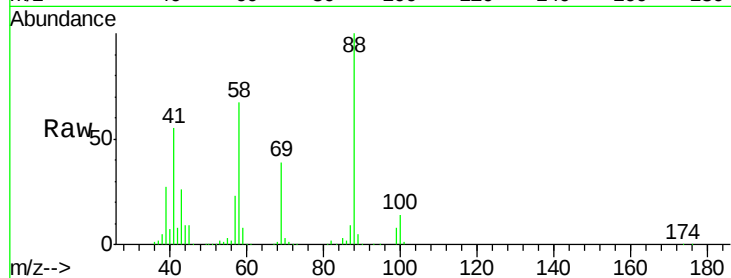




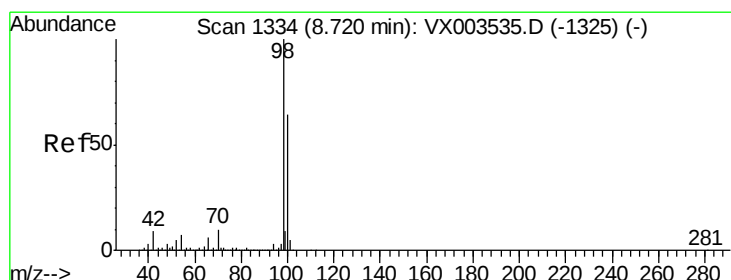
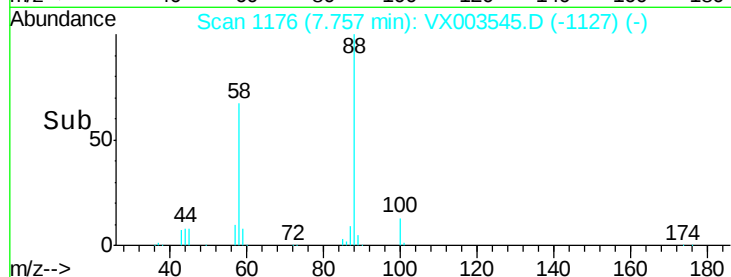
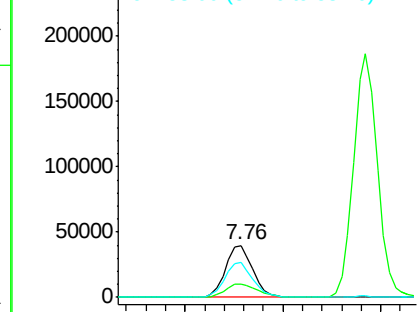
#49
1,4-Dioxane
Concen: 960.73 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 76680
Ion Ratio Lower Upper
88 100
43 30.6 29.8 44.6
58 70.5 57.1 85.7

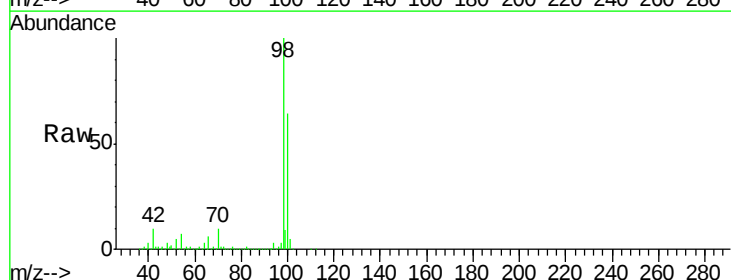


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

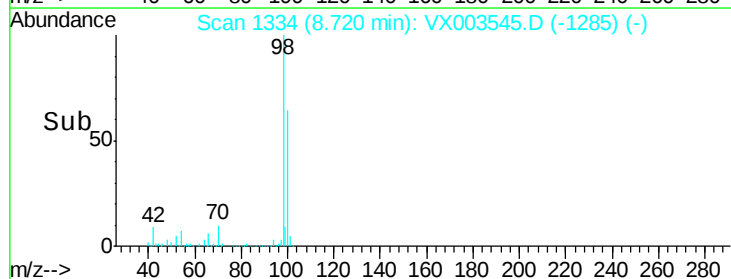
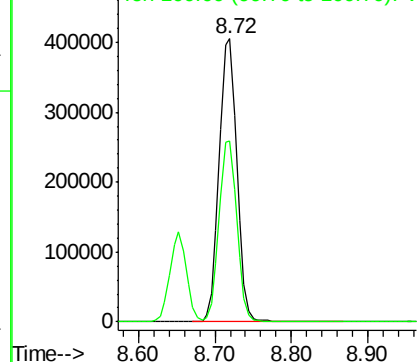


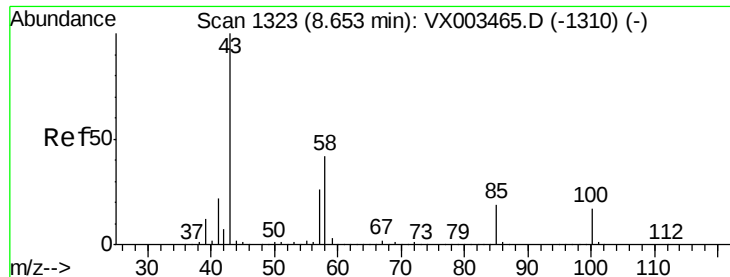
#50
Toluene-d8
Concen: 53.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 98 Resp: 652900
Ion Ratio Lower Upper
98 100
100 64.4 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: 273.58 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

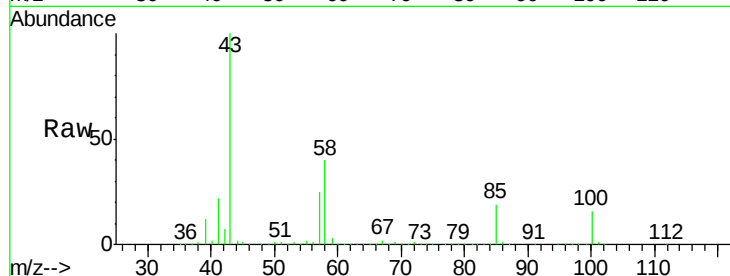
VSTDCCC050

Tot Ion: 43 Resp: 1207293

Ion Ratio Lower Upper

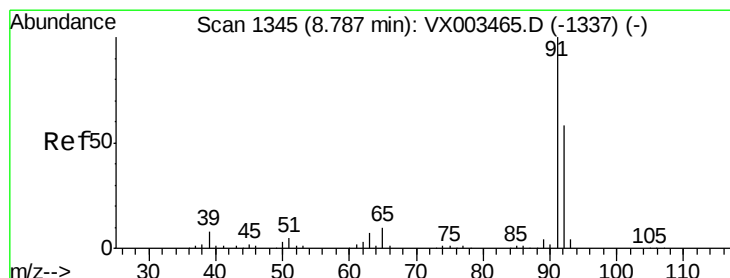
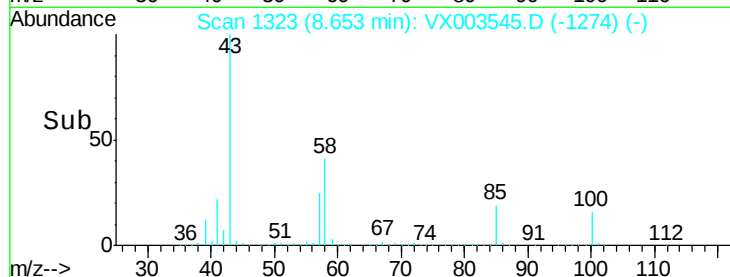
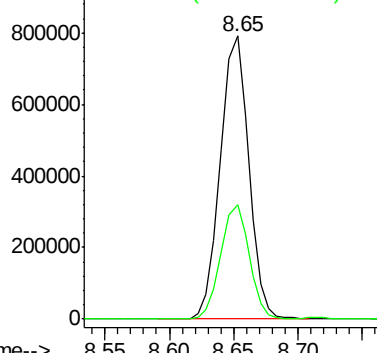
43 100

58 40.5 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 54.93 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003545.D

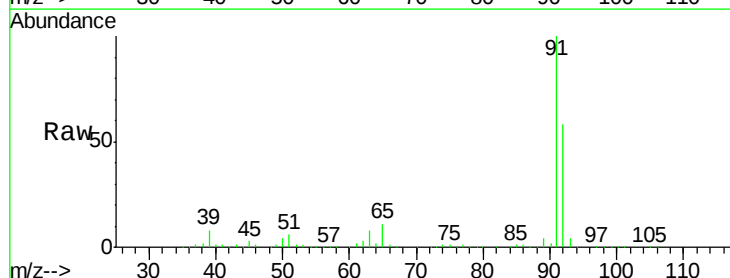
Acq: 21 Jul 2018 10:19

Tgt Ion: 92 Resp: 484410

Ion Ratio Lower Upper

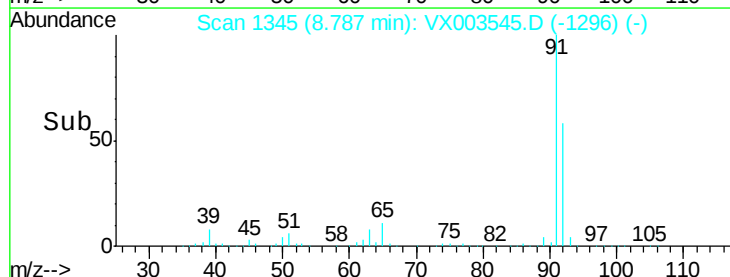
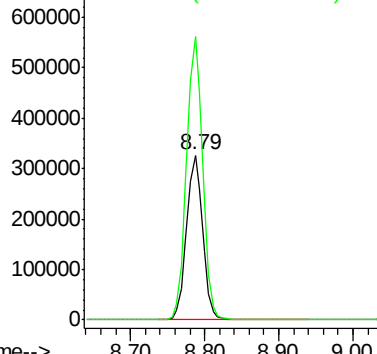
92 100

91 173.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 58.49 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

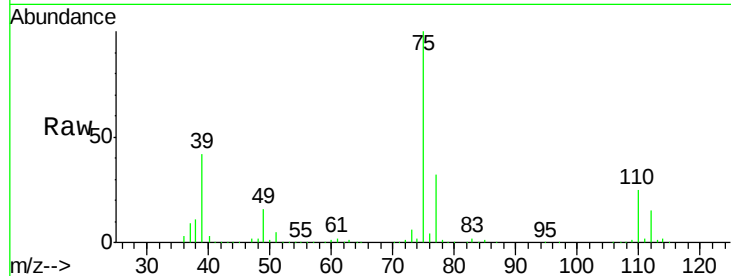
VSTDCCC050

Tot Ion: 75 Resp: 301872

Ion Ratio Lower Upper

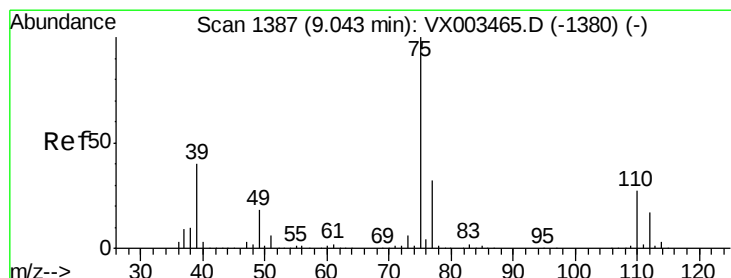
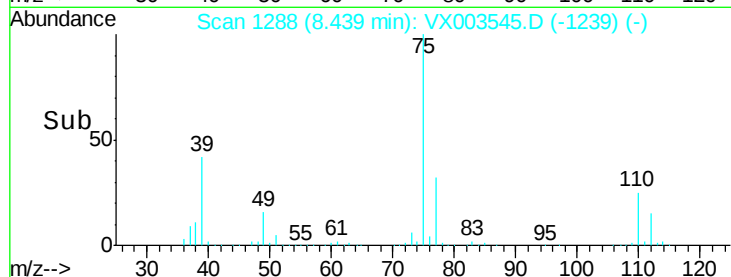
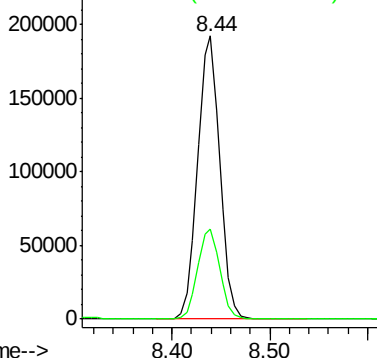
75 100

77 31.6 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: 58.78 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

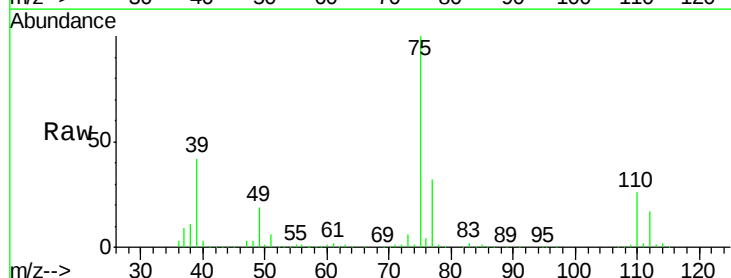
Tgt Ion: 75 Resp: 272821

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

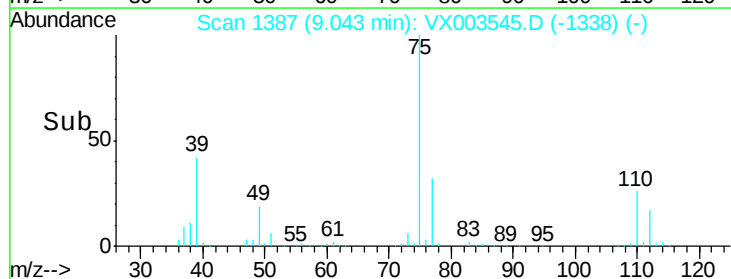
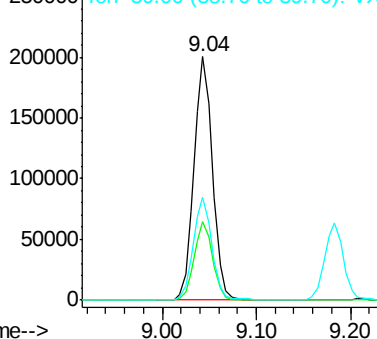
39 42.1 42.4 63.6#

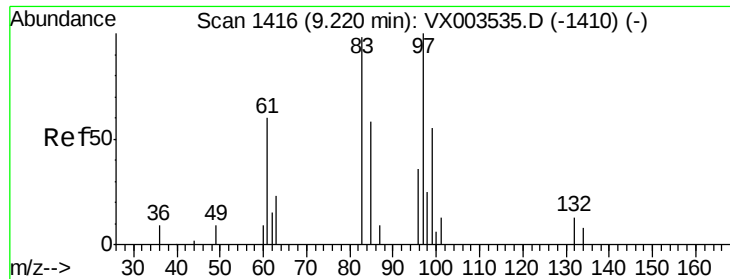


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

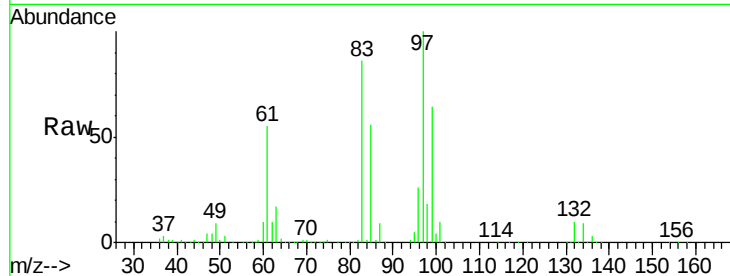




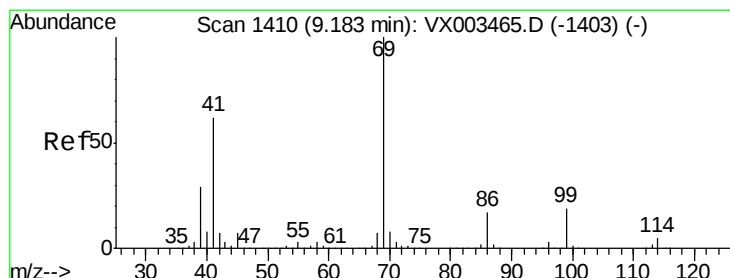
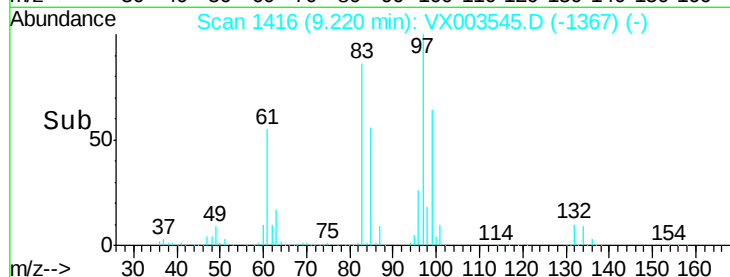
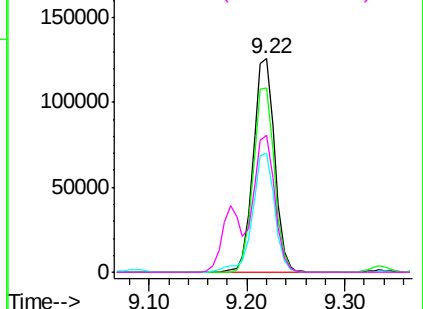
#55
 1,1,2-Trichloroethane
 Concen: 54.47 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 191149
 Ion Ratio Lower Upper
 97 100
 83 86.0 70.2 105.2
 85 55.6 44.9 67.3
 99 64.1 49.8 74.8

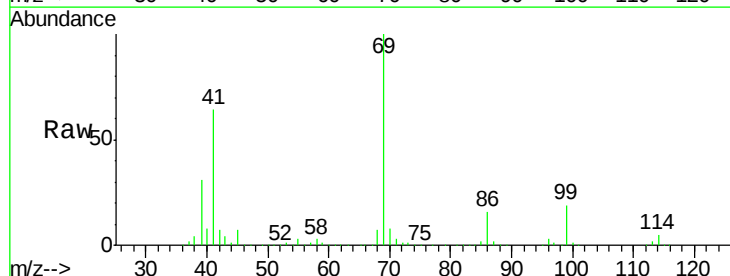


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

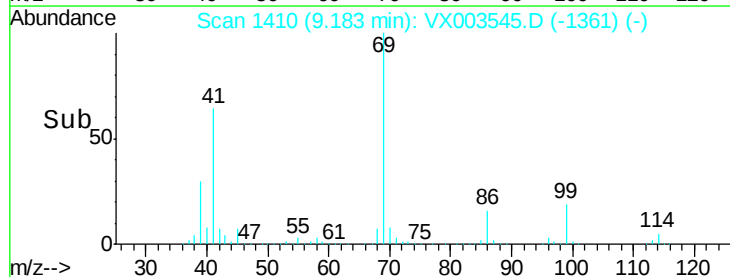
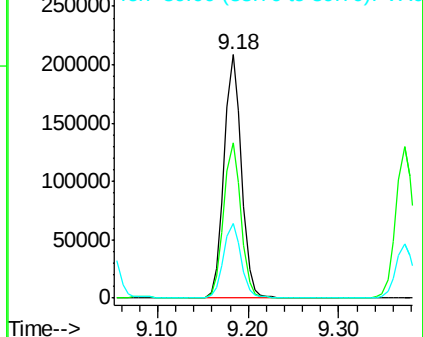


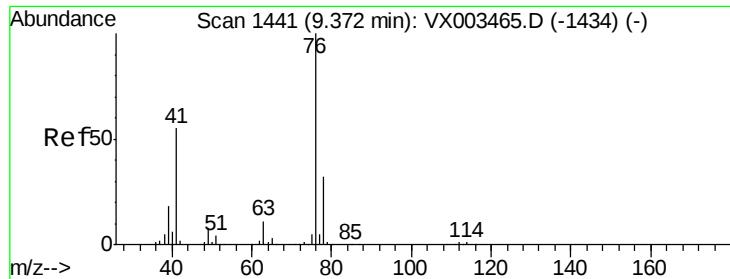
#56
 Ethyl methacrylate
 Concen: 56.55 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Tgt Ion: 69 Resp: 279499
 Ion Ratio Lower Upper
 69 100
 41 63.7 60.3 90.5
 39 31.3 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: 54.77 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampled :

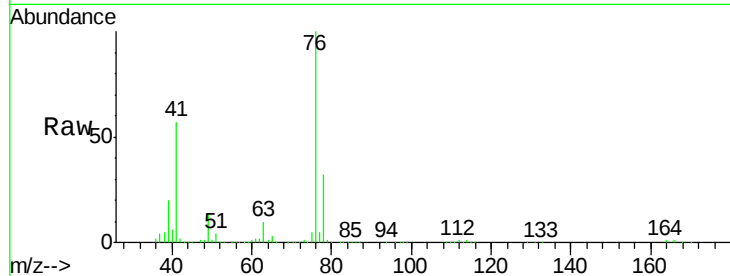
VSTDCCC050

Tot Ion: 76 Resp: 310717

Ion Ratio Lower Upper

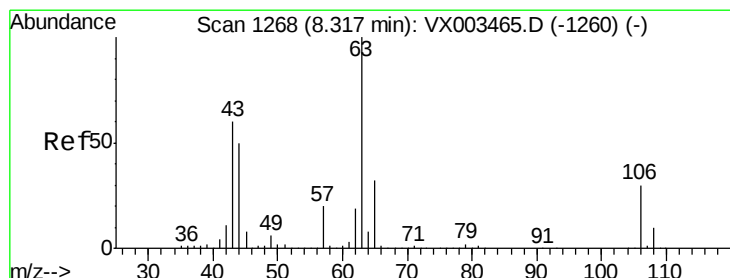
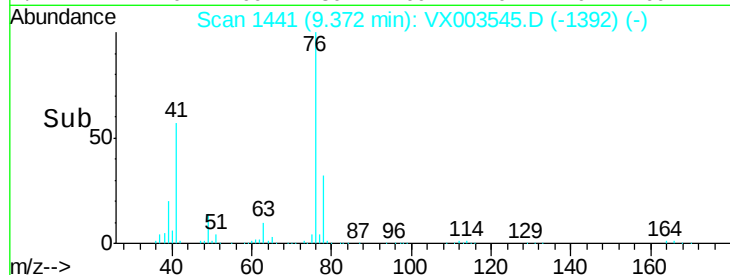
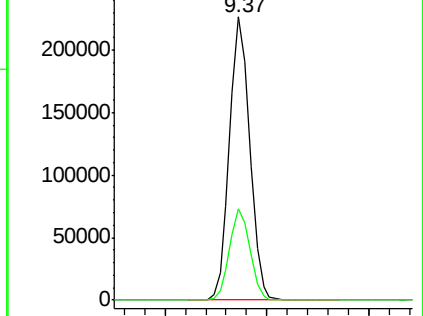
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 304.15 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003545.D

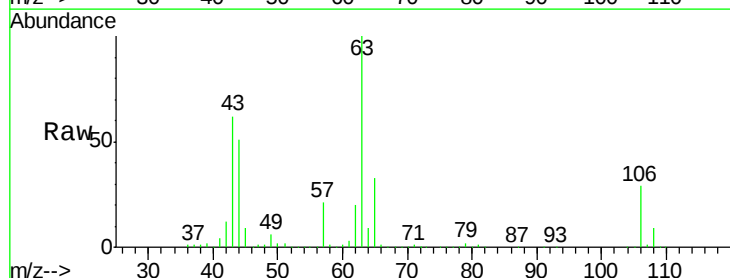
Acq: 21 Jul 2018 10:19

Tgt Ion: 63 Resp: 731007

Ion Ratio Lower Upper

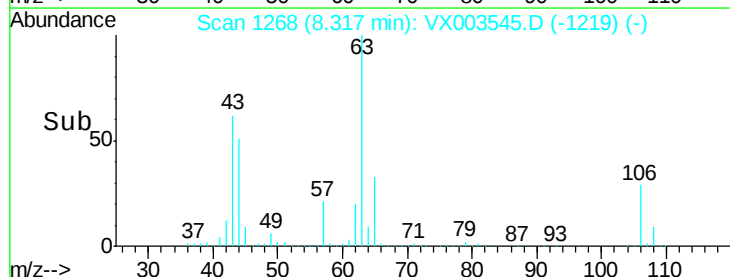
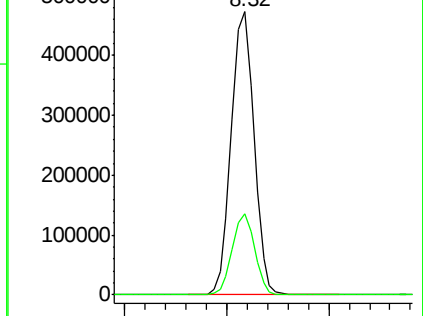
63 100

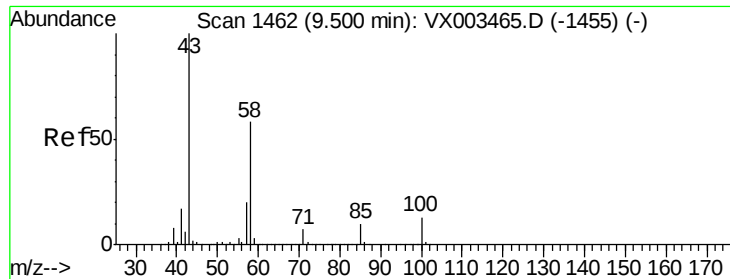
106 28.4 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

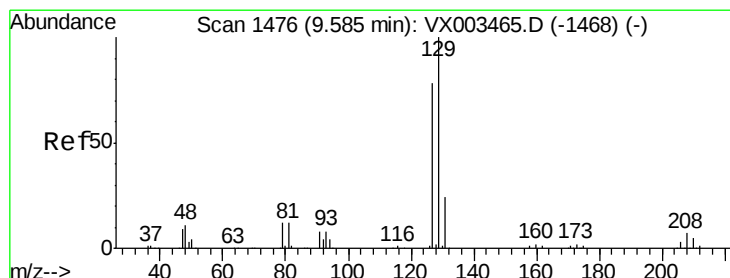
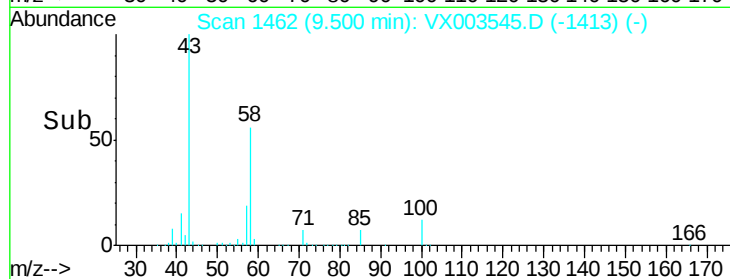
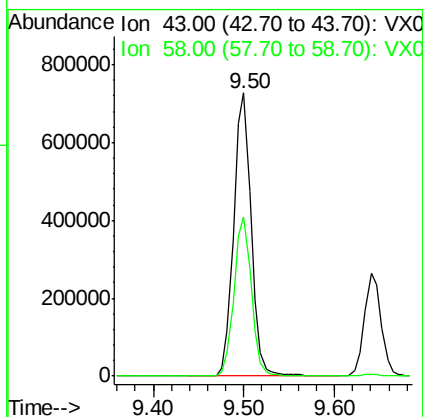
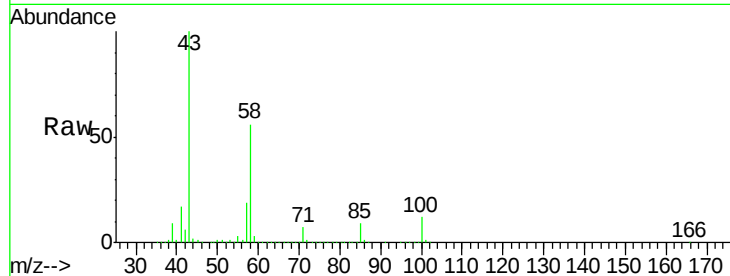




#59
2-Hexanone
Concen: 297.72 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

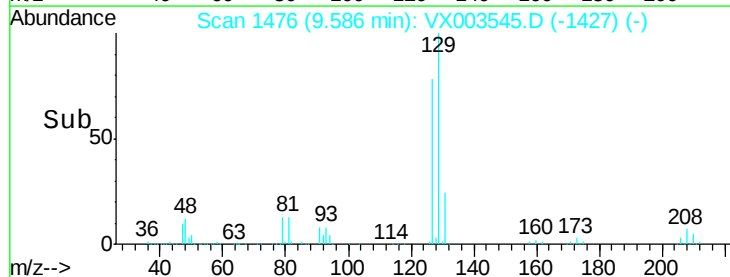
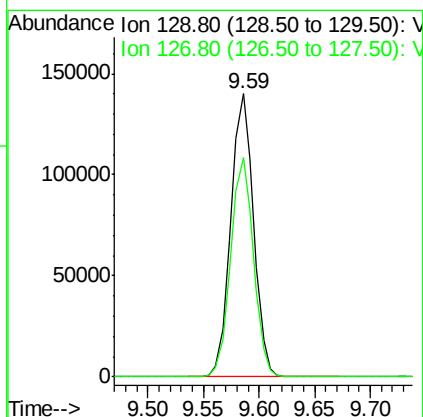
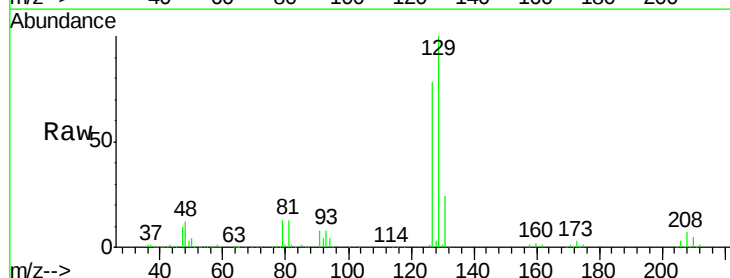
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

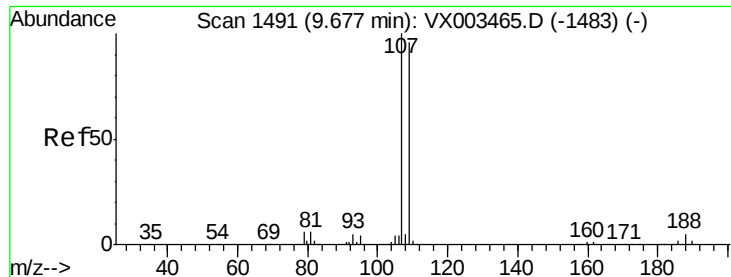
Tot Ion: 43 Resp: 973435
Ion Ratio Lower Upper
43 100
58 56.1 24.6 73.6



#60
Dibromochloromethane
Concen: 57.08 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 129 Resp: 198261
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 54.32 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

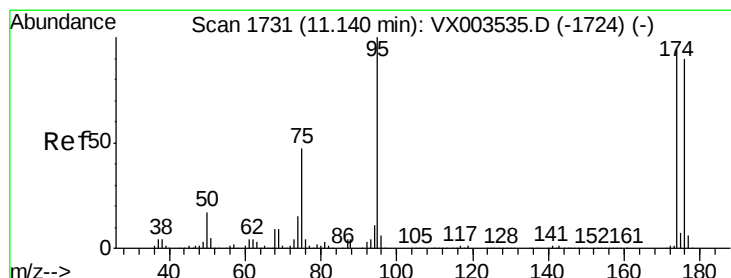
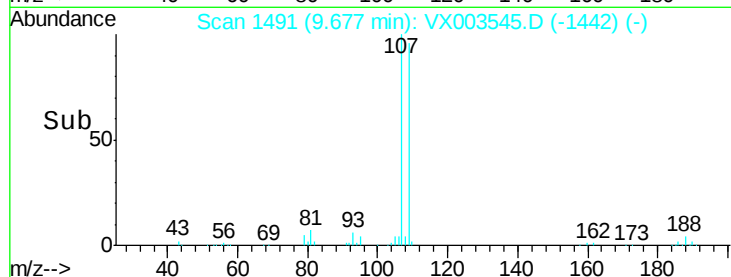
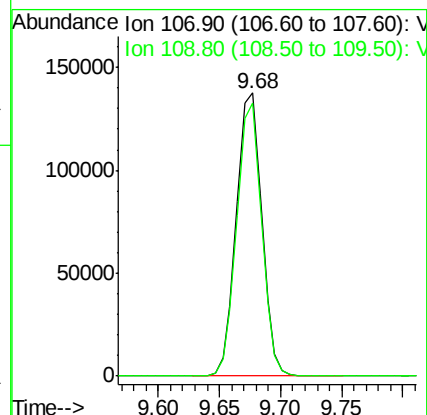
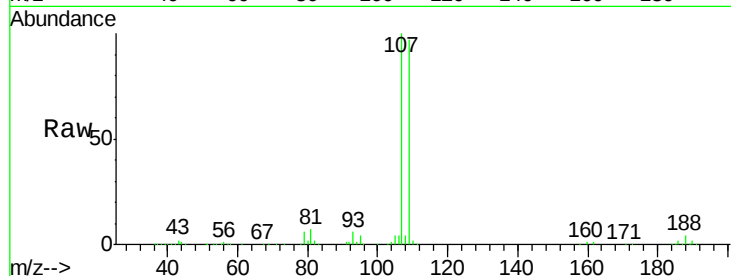
VSTDCCC050

Tot Ion:107 Resp: 197619

Ion Ratio Lower Upper

107 100

109 94.8 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 52.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

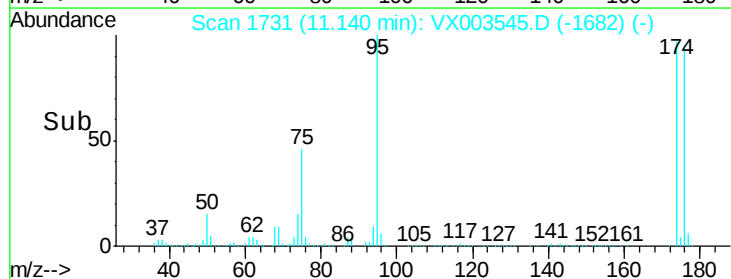
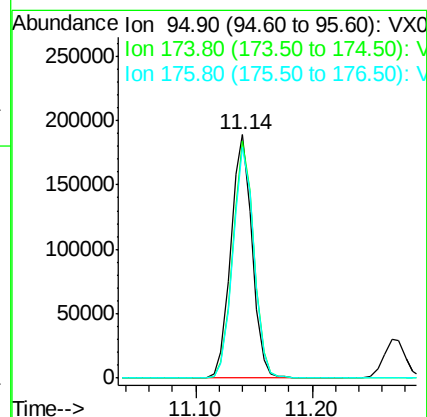
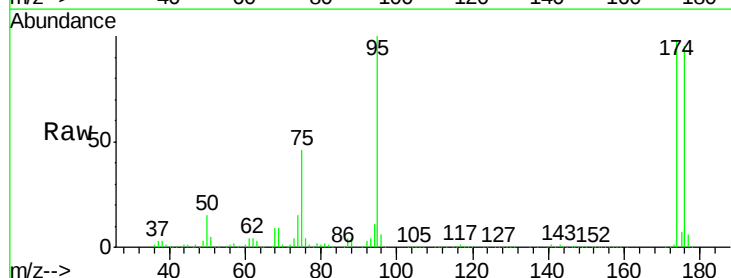
Tgt Ion: 95 Resp: 237891

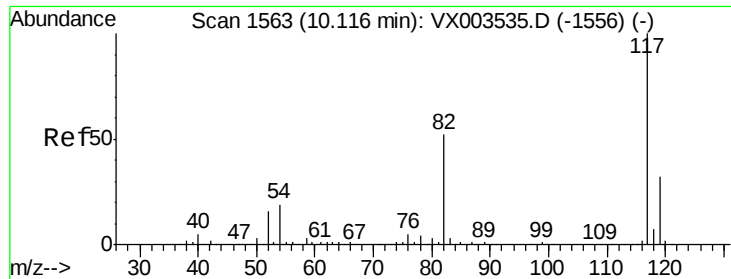
Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

176 94.6 0.0 181.0

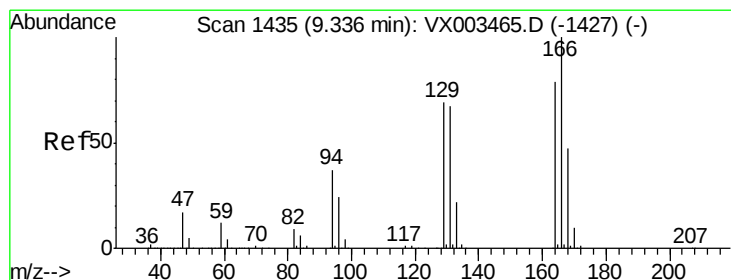
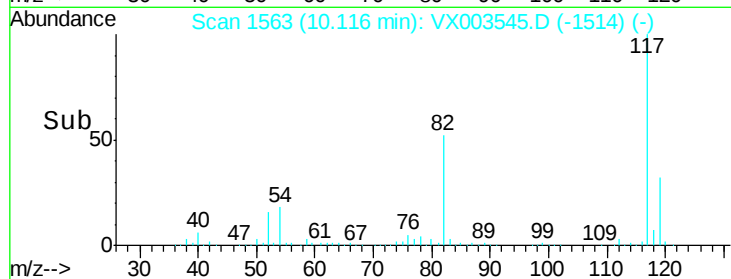
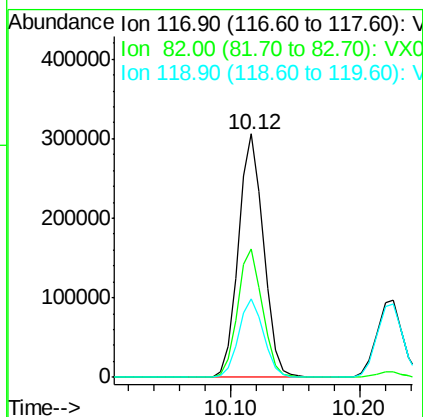
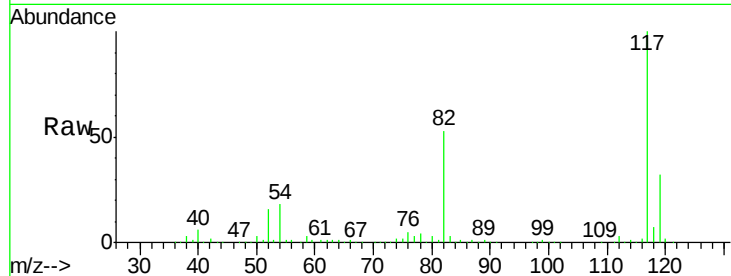




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

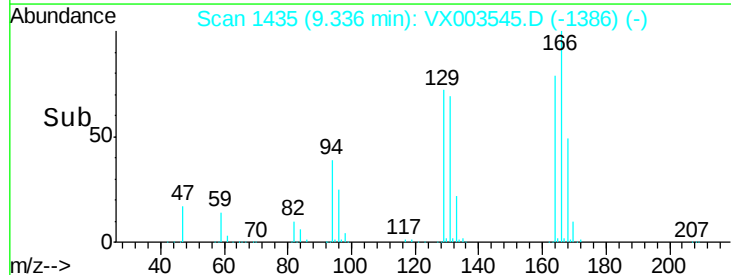
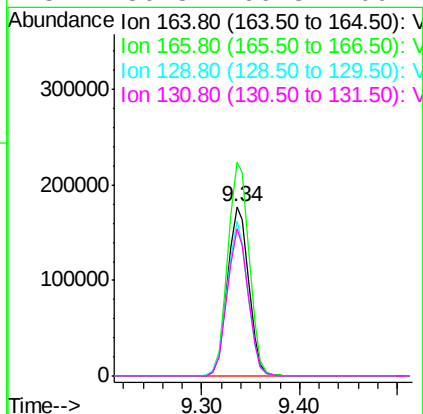
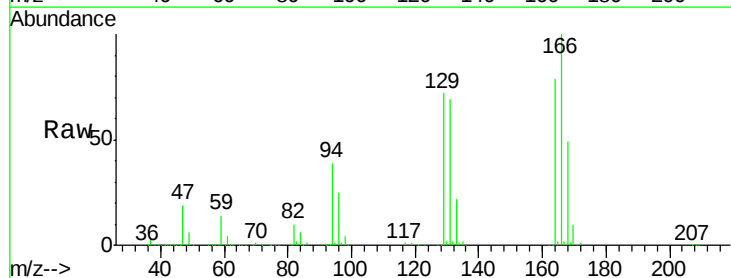
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

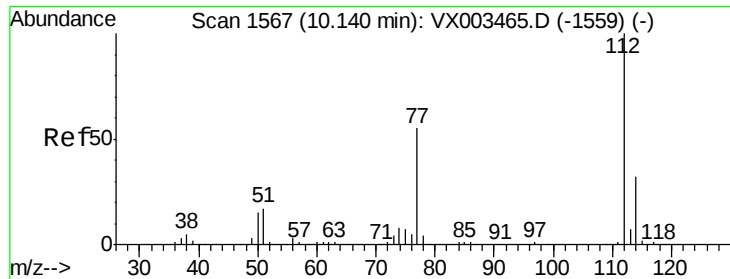
Tot Ion:117 Resp: 412255
Ion Ratio Lower Upper
117 100
82 52.5 45.0 67.4
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 52.88 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion:164 Resp: 265583
Ion Ratio Lower Upper
164 100
166 126.1 102.9 154.3
129 91.2 68.6 102.8
131 86.8 66.8 100.2

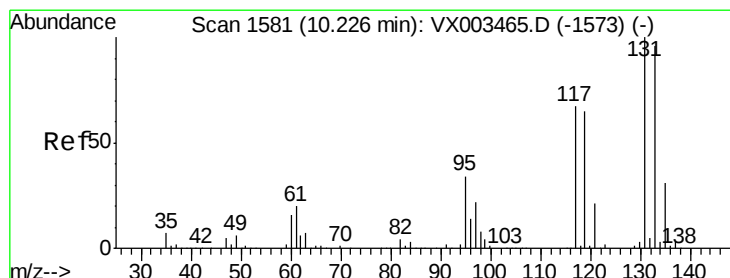
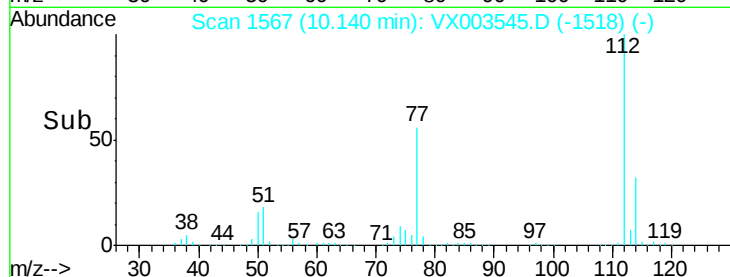
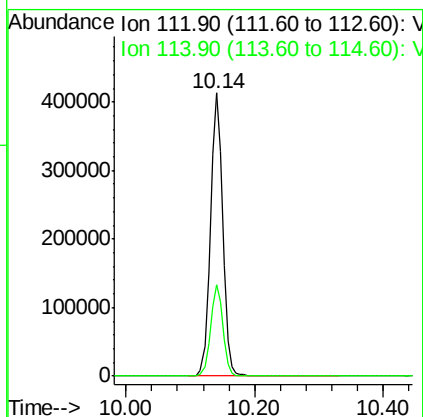
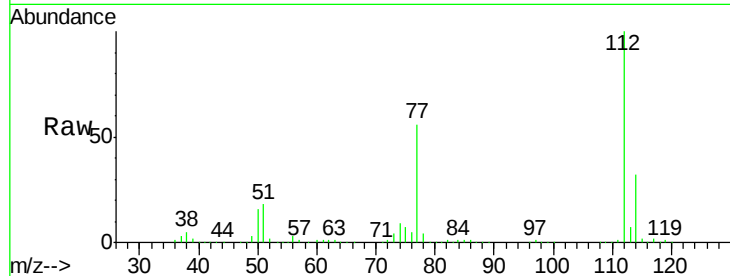




#65
Chlorobenzene
Concen: 52.13 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

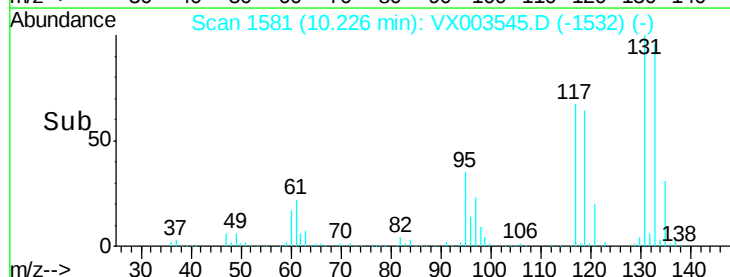
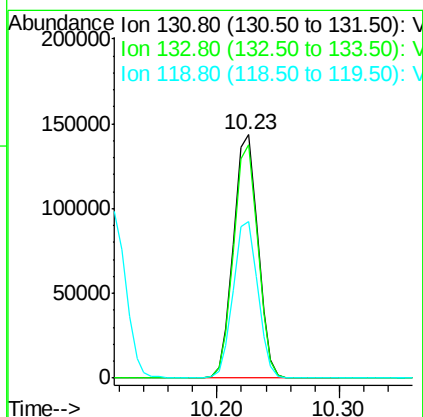
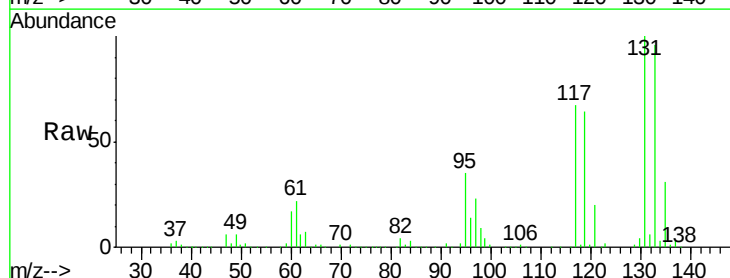
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

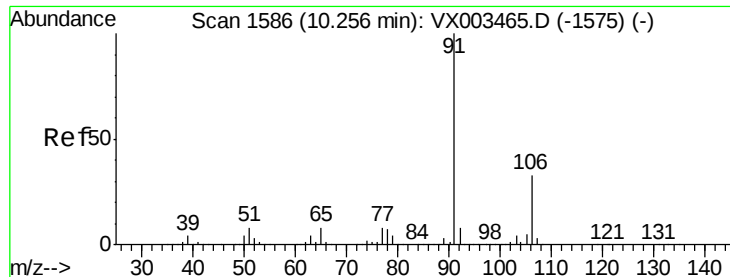
Tot Ion:112 Resp: 553717
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.27 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion:131 Resp: 198321
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.6
119 64.6 31.8 95.3

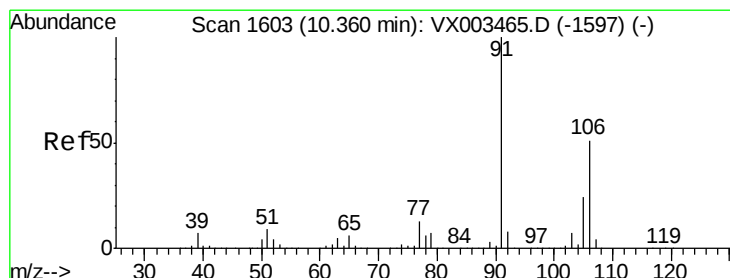
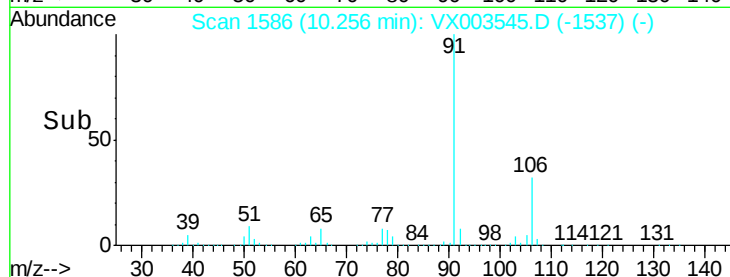
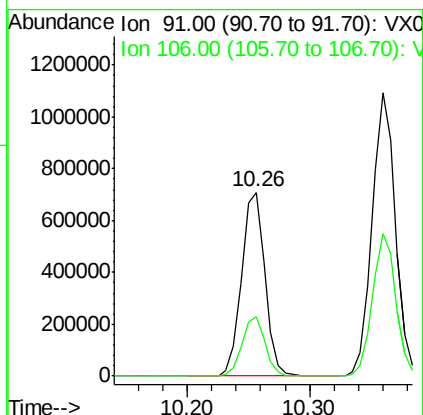
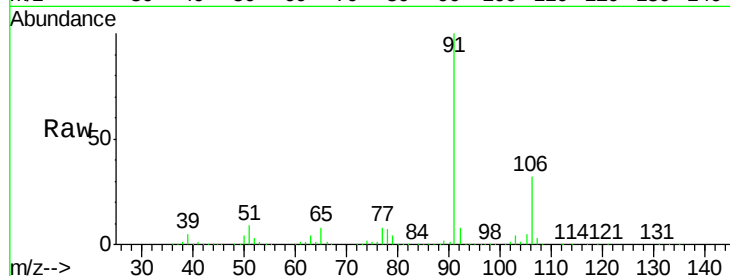




#67
Ethyl Benzene
Concen: 54.87 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

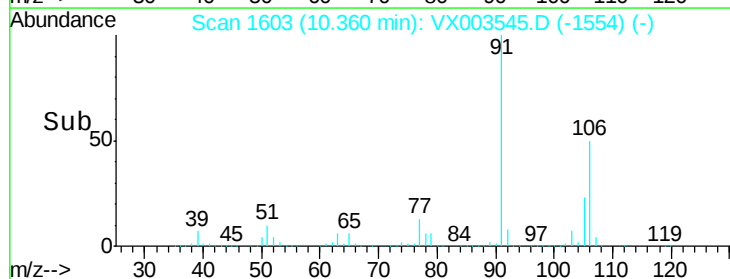
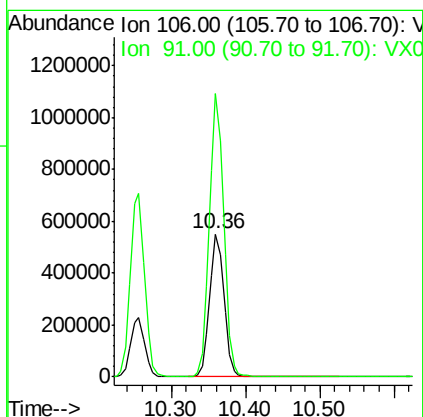
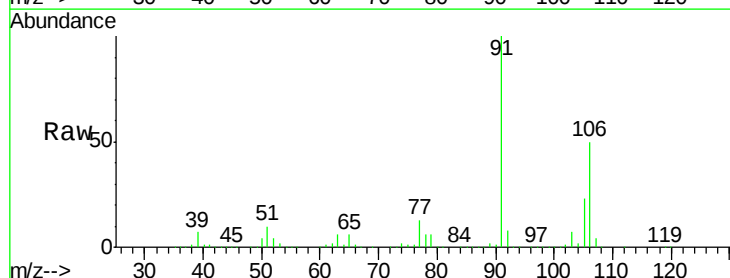
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

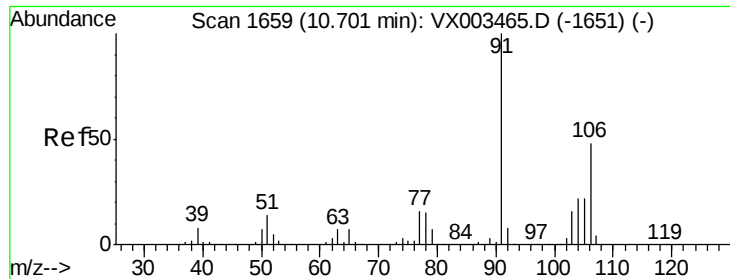
Tot Ion: 91 Resp: 937033
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 109.45 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 106 Resp: 732799
Ion Ratio Lower Upper
106 100
91 198.1 163.4 245.2

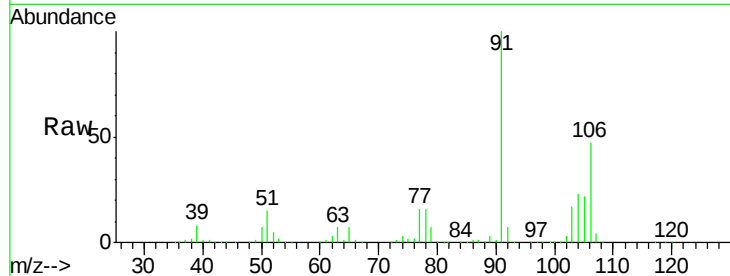




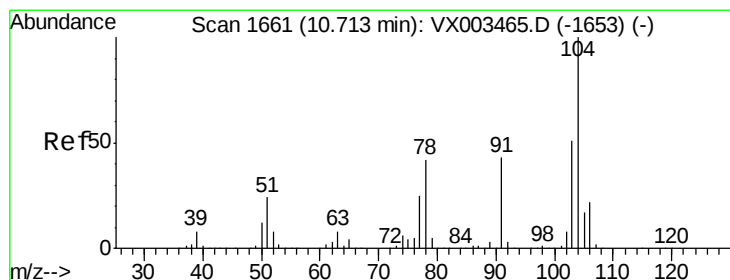
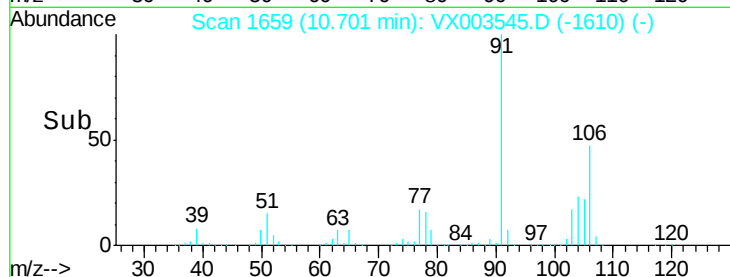
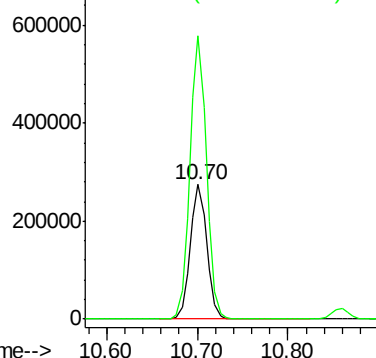
#69
o-Xylene
Concen: 54.29 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 351470
Ion Ratio Lower Upper
106 100
91 209.8 108.2 324.6

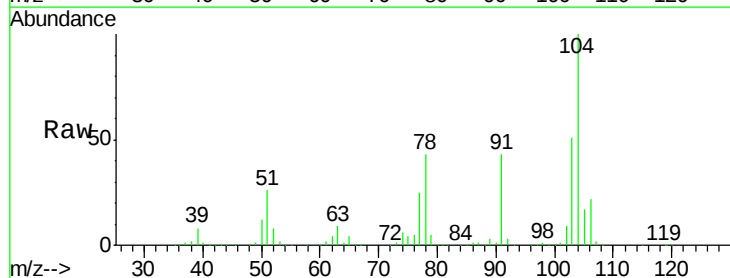


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

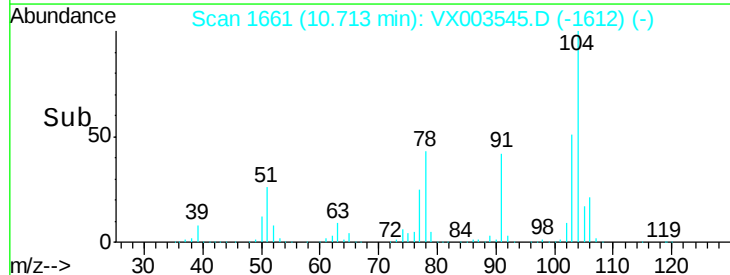
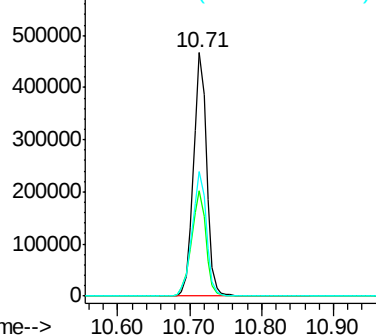


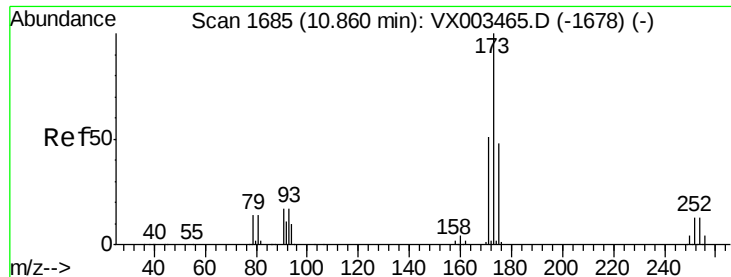
#70
Styrene
Concen: 55.77 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion:104 Resp: 593907
Ion Ratio Lower Upper
104 100
78 47.4 41.0 61.6
103 55.5 44.2 66.4



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

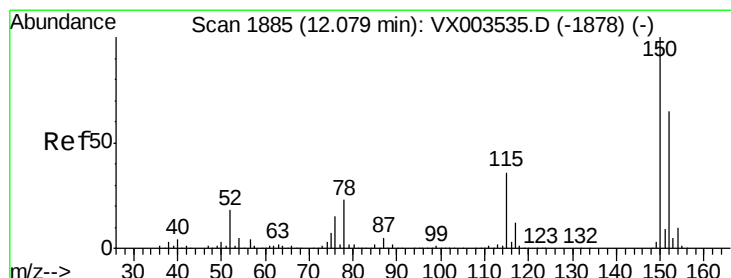
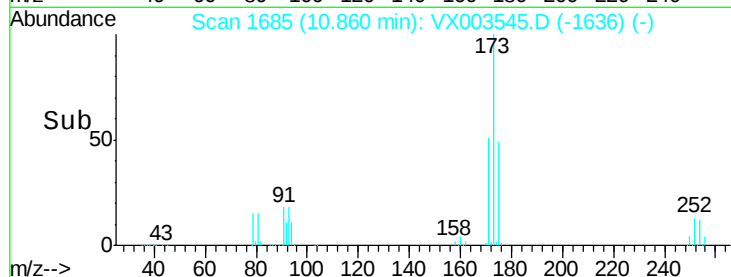
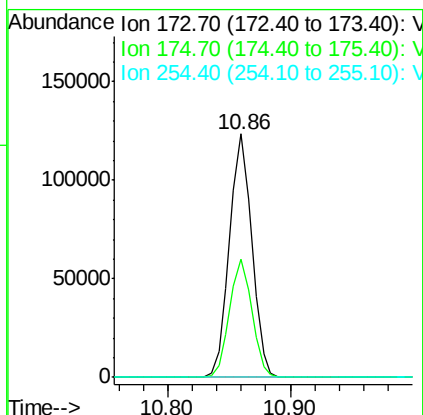
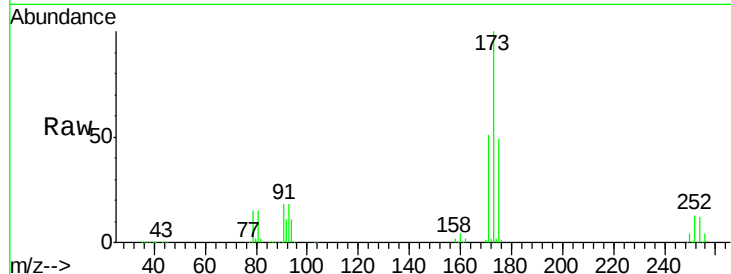




#71
Bromoform
Concen: 54.86 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

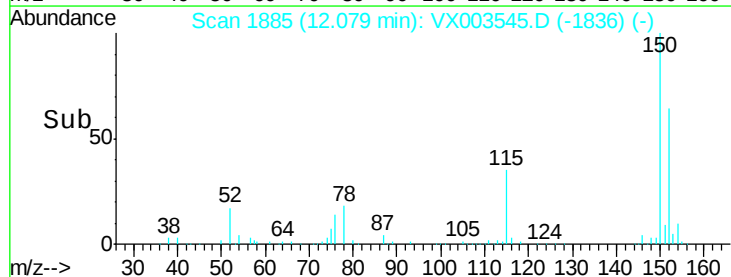
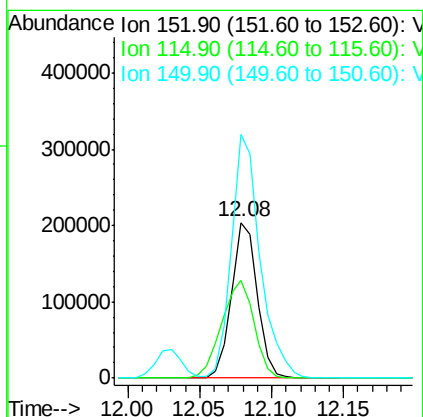
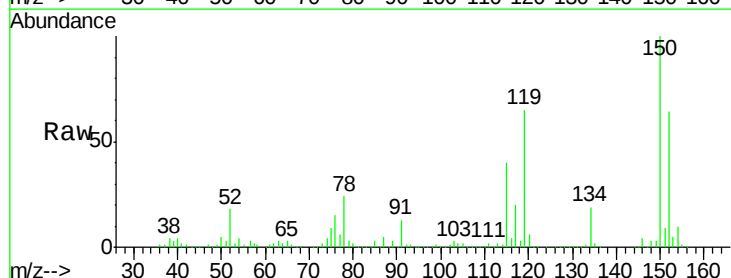
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 155775
Ion Ratio Lower Upper
173 100
175 48.5 24.7 74.1
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion:152 Resp: 255962
Ion Ratio Lower Upper
152 100
115 78.8 40.1 120.2
150 175.1 0.0 347.2





#73

Isopropylbenzene

Concen: 52.83 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

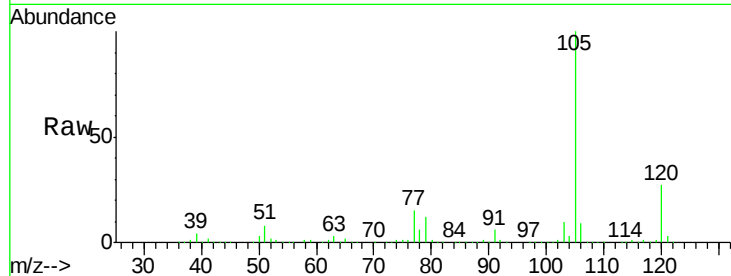
VSTDCCC050

Tot Ion:105 Resp: 935125

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

800000

600000

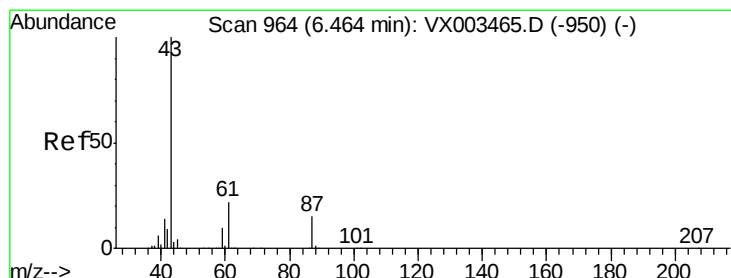
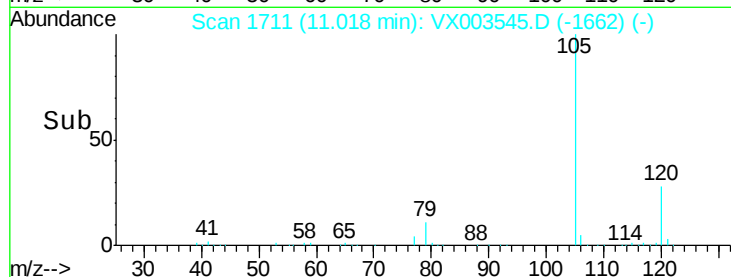
400000

200000

0

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 49.93 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Tgt Ion: 43 Resp: 375342

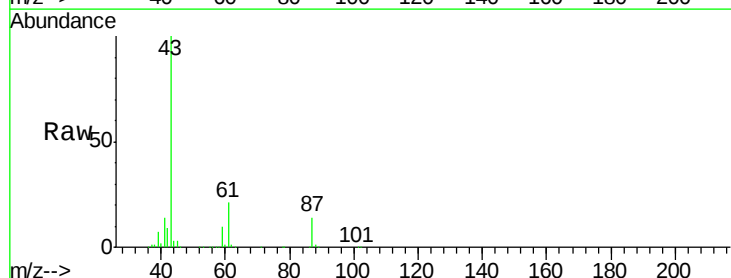
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.9 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

200000

150000

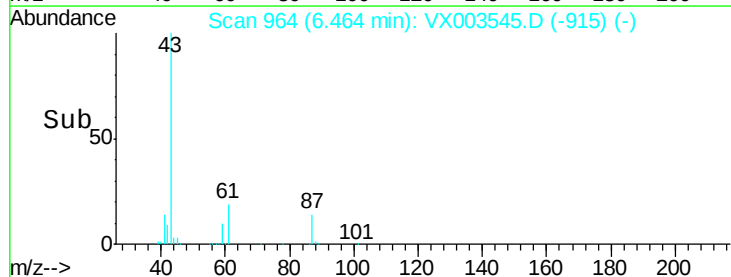
100000

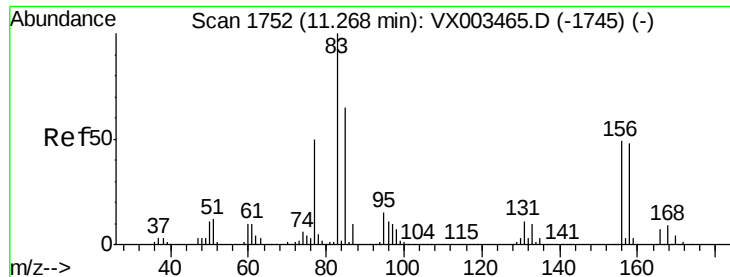
50000

0

6.30 6.40 6.50 6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.66 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

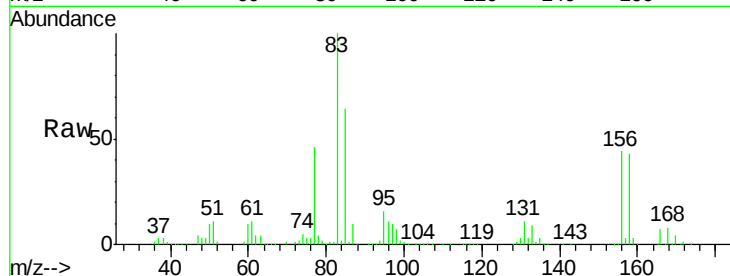
Tot Ion: 83 Resp: 257632

Ion Ratio Lower Upper

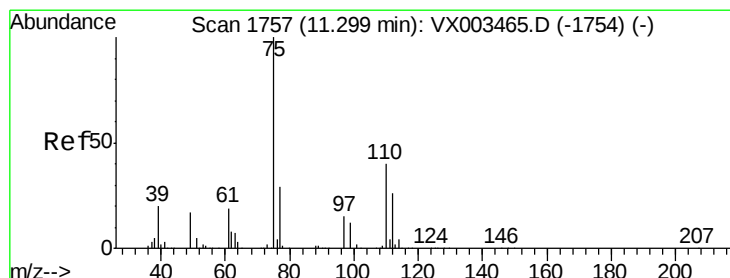
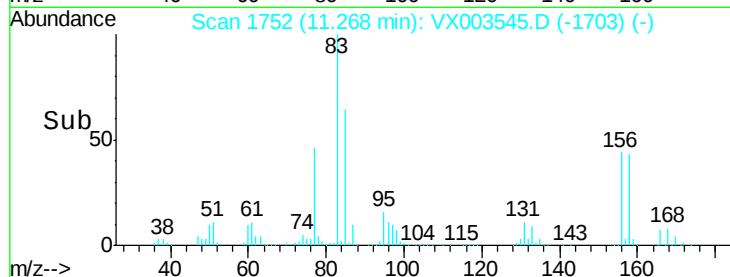
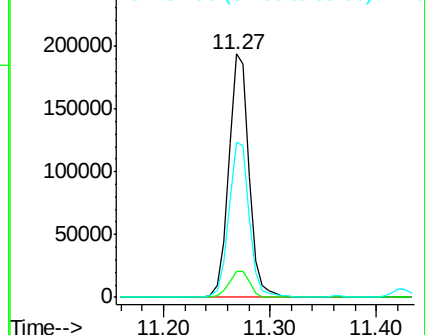
83 100

131 11.0 5.6 16.8

85 64.5 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: 68.02 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003545.D

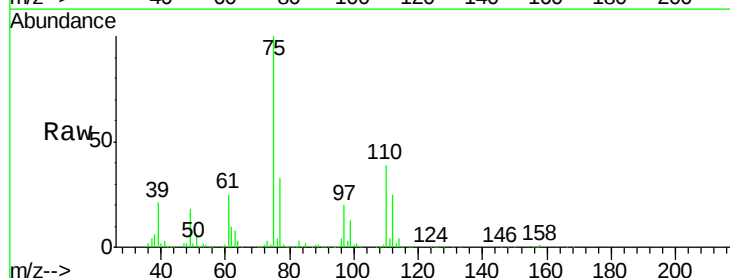
Acq: 21 Jul 2018 10:19

Tgt Ion: 75 Resp: 312794

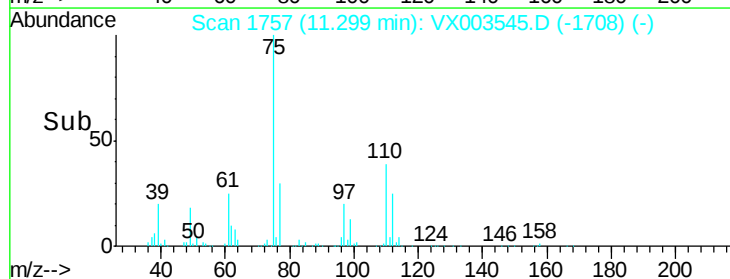
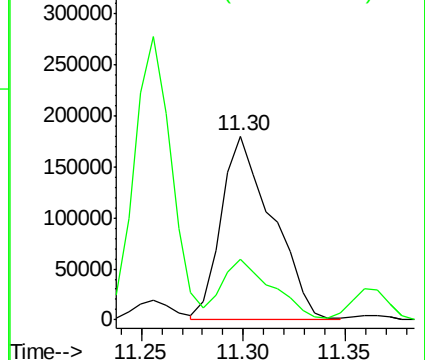
Ion Ratio Lower Upper

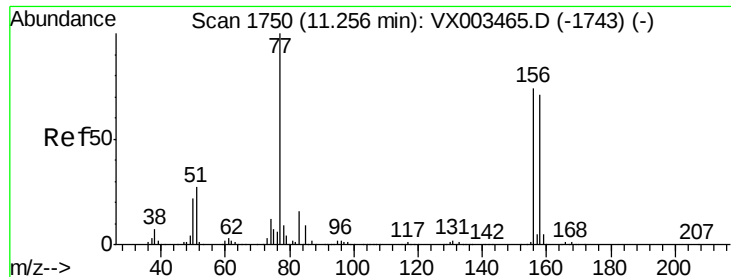
75 100

77 32.4 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

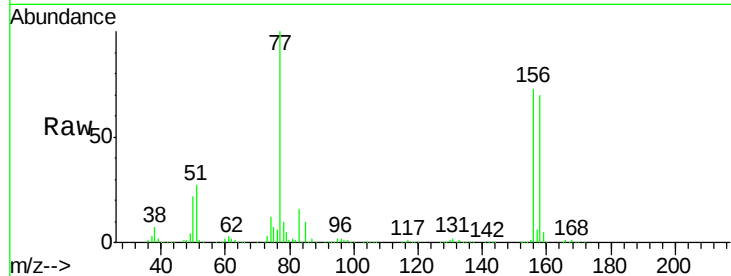




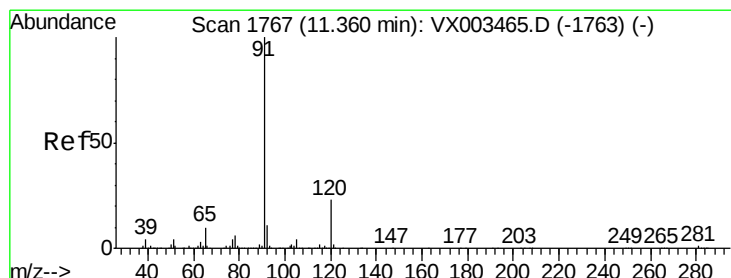
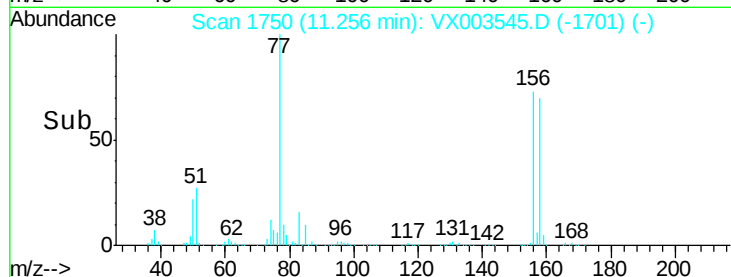
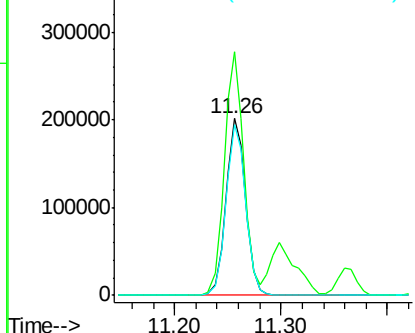
#77
Bromobenzene
Concen: 50.65 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 257879
Ion Ratio Lower Upper
156 100
77 136.1 71.4 214.2
158 97.3 48.9 146.6

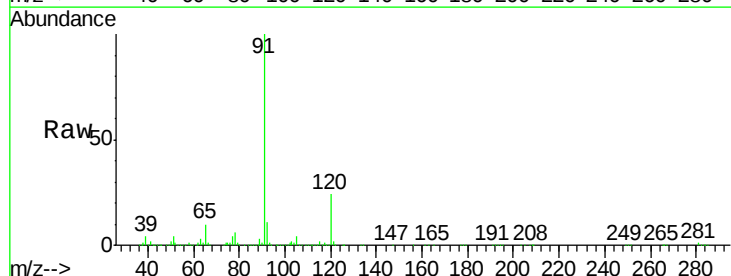


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

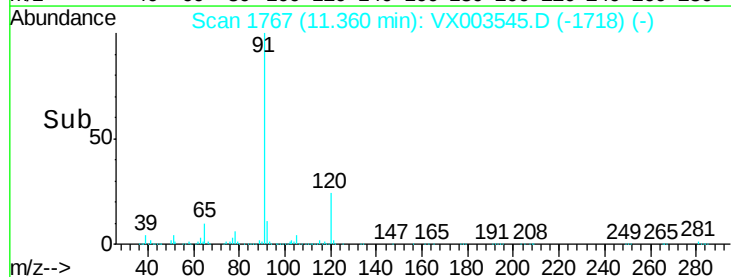
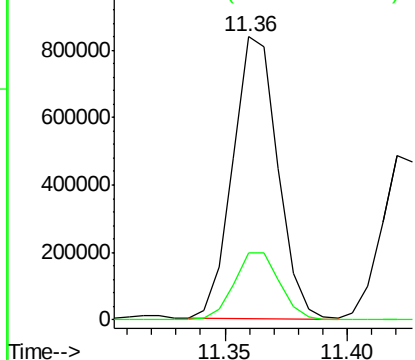


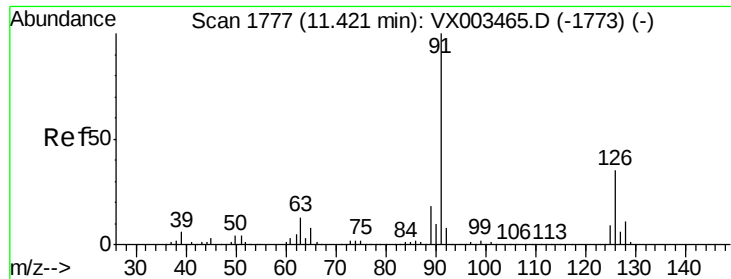
#78
n-propylbenzene
Concen: 54.15 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion: 91 Resp: 1065451
Ion Ratio Lower Upper
91 100
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V

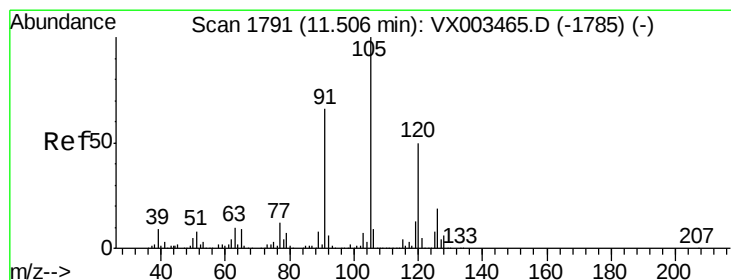
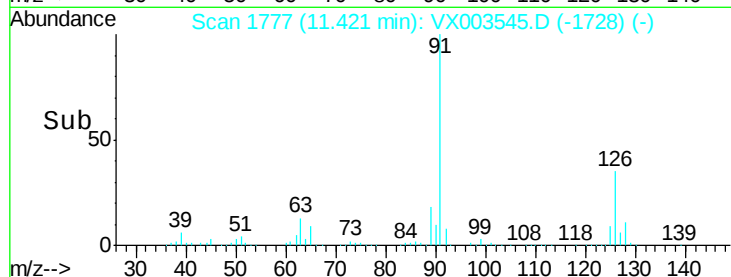
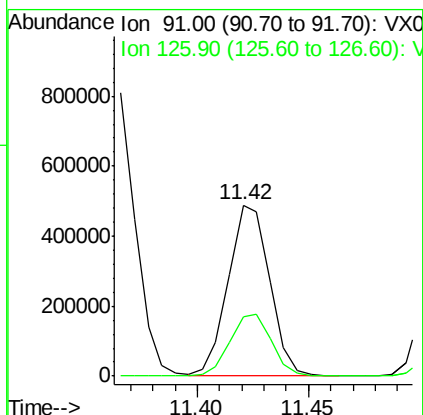
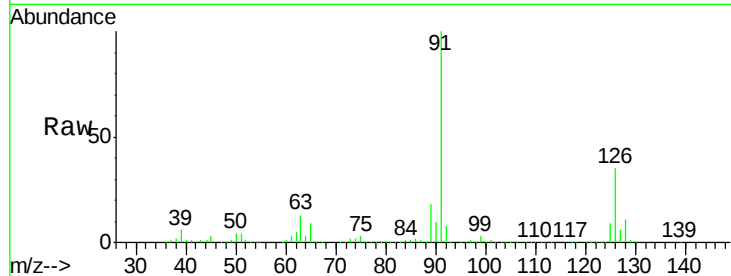




#79
 2-Chlorotoluene
 Concen: 52.71 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

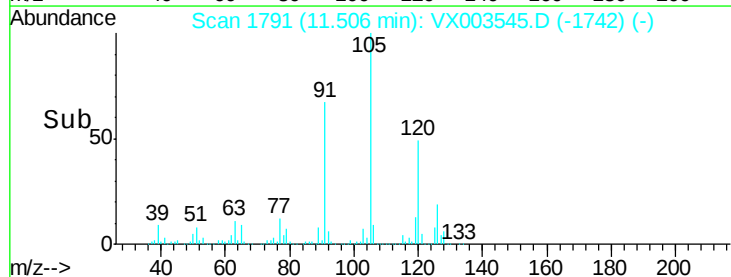
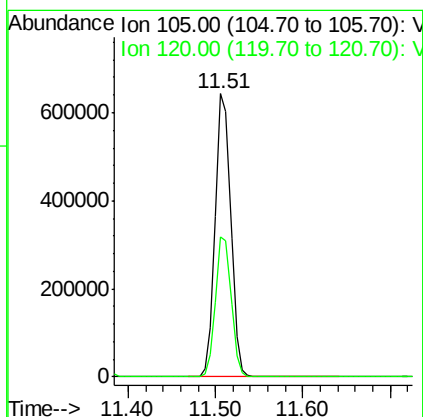
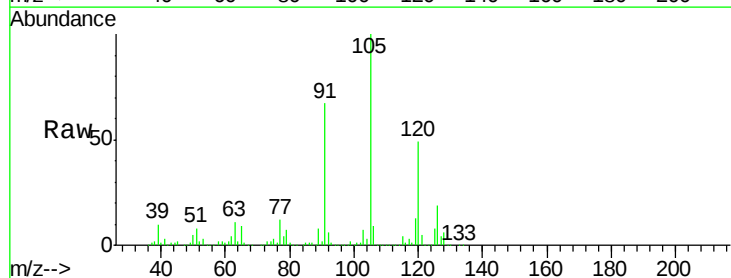
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

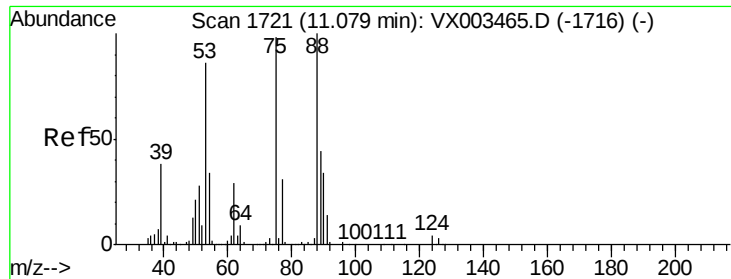
Tot Ion: 91 Resp: 629693
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 54.67 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Tgt Ion: 105 Resp: 795370
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.99 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

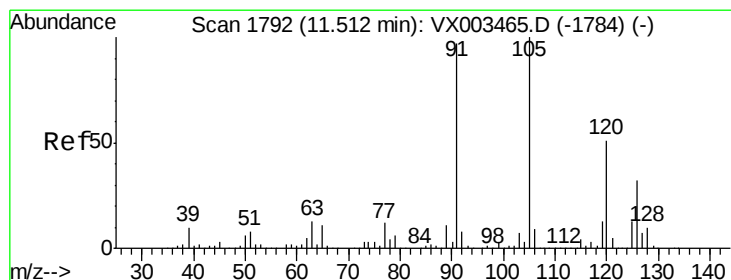
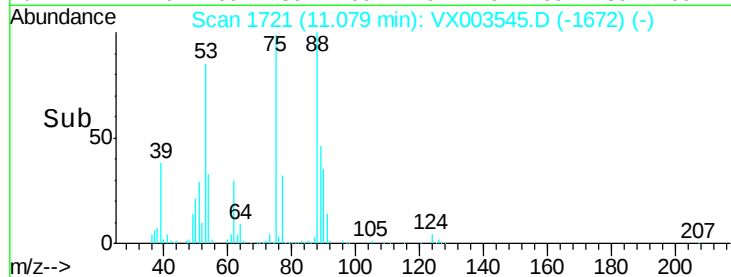
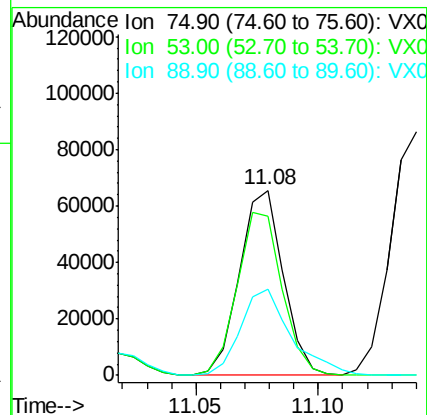
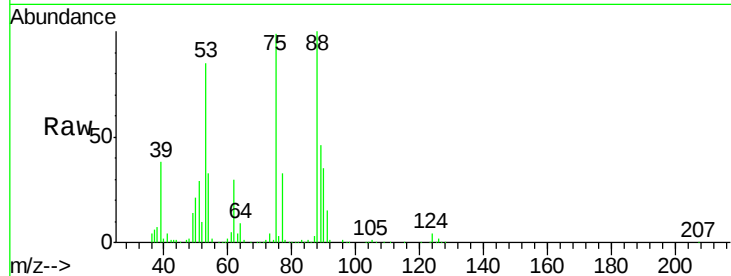
Tot Ion: 75 Resp: 80930

Ion Ratio Lower Upper

75 100

53 91.0 86.8 130.2

89 54.4 38.2 57.2



#82

4-Chlorotoluene

Concen: 53.19 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003545.D

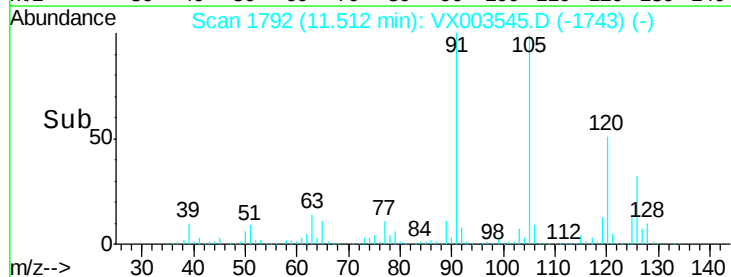
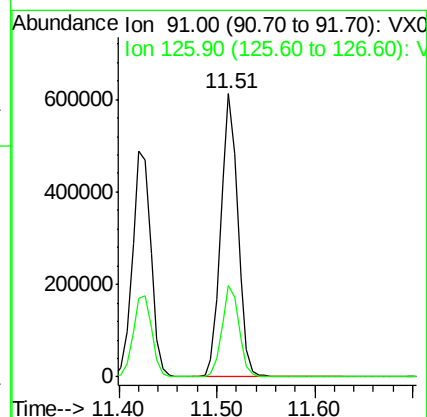
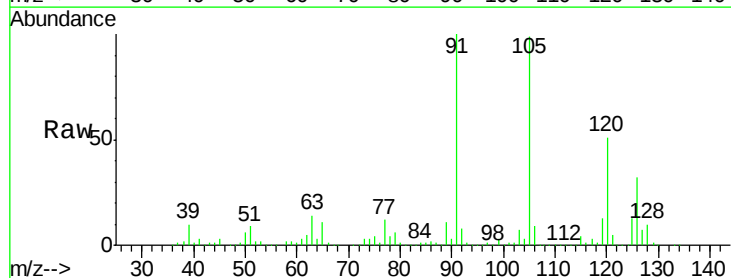
Acq: 21 Jul 2018 10:19

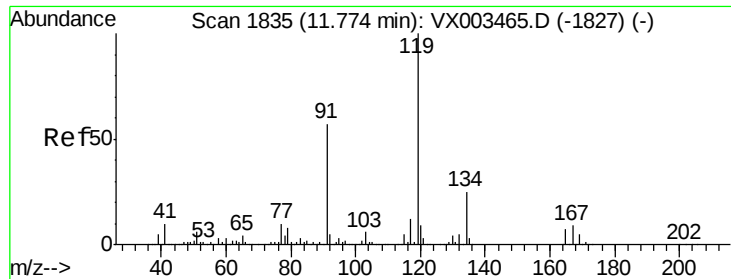
Tgt Ion: 91 Resp: 744481

Ion Ratio Lower Upper

91 100

126 32.2 15.4 46.4

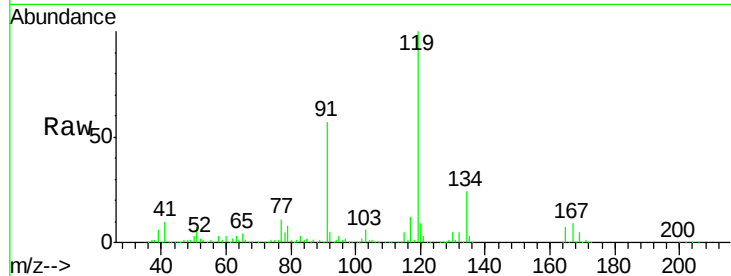




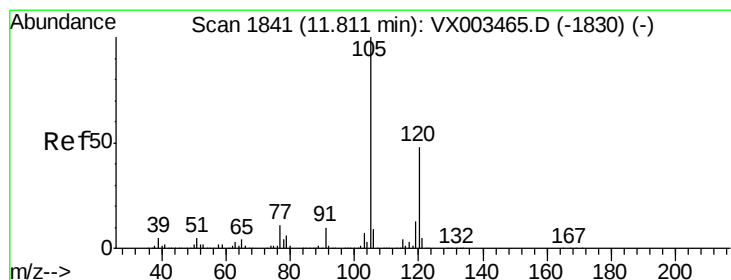
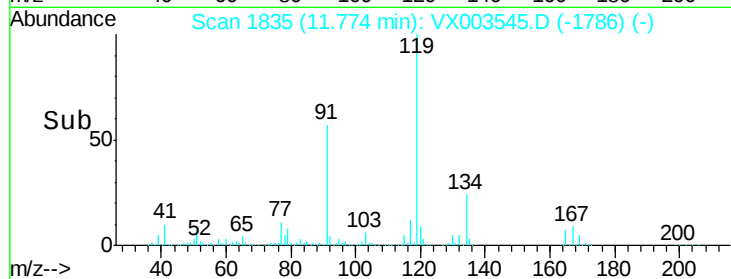
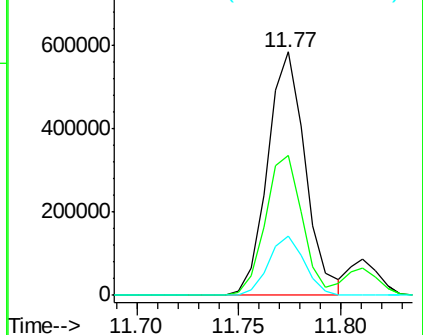
#83
tert-Butylbenzene
Concen: 52.99 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 755024
Ion Ratio Lower Upper
119 100
91 55.9 30.3 90.9
134 23.4 11.7 35.1

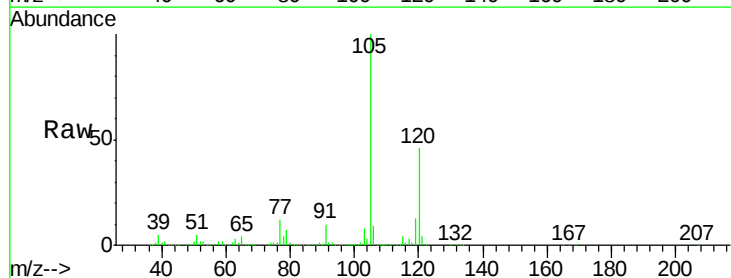


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

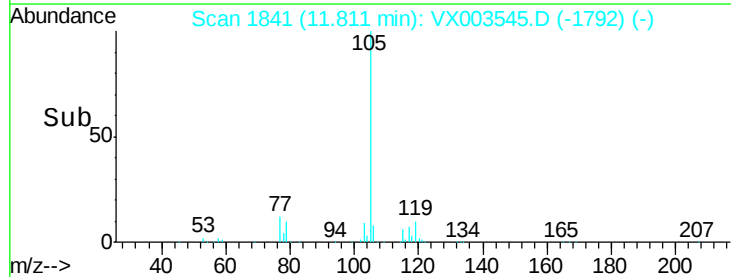
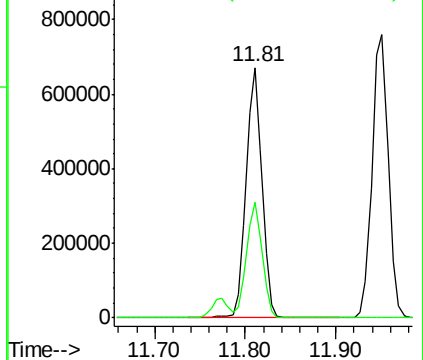


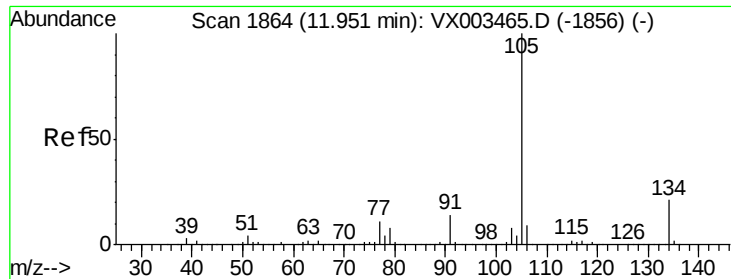
#84
1,2,4-Trimethylbenzene
Concen: 55.11 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003545.D
Acq: 21 Jul 2018 10:19

Tgt Ion:105 Resp: 815782
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.8



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





#85

sec-Butylbenzene

Concen: 54.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

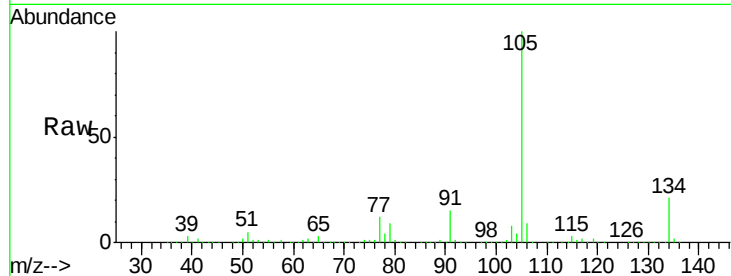
VSTDCCC050

Tot Ion:105 Resp: 938920

Ion Ratio Lower Upper

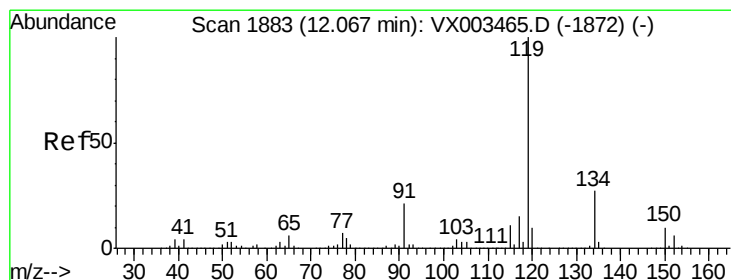
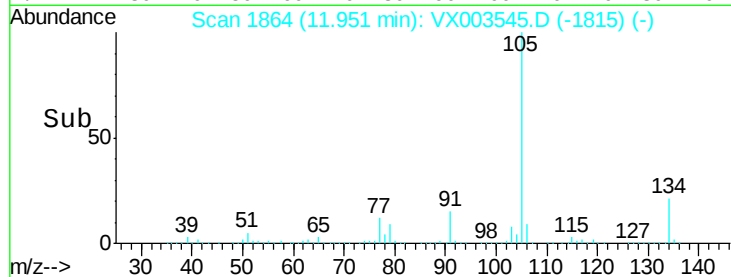
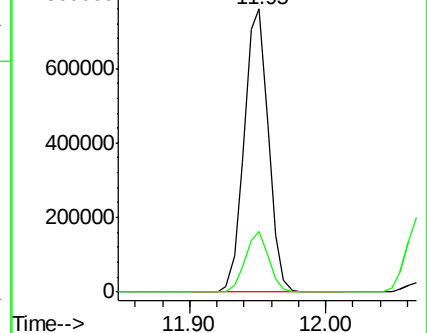
105 100

134 20.7 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: 54.97 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

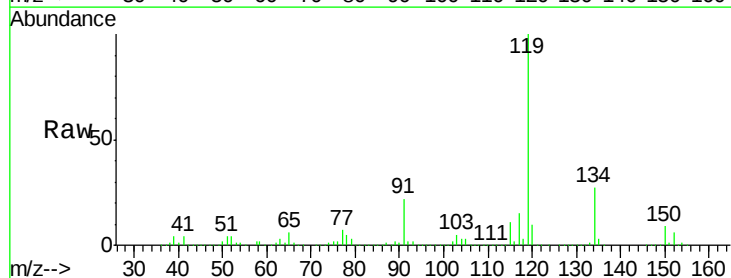
Tgt Ion:119 Resp: 853694

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

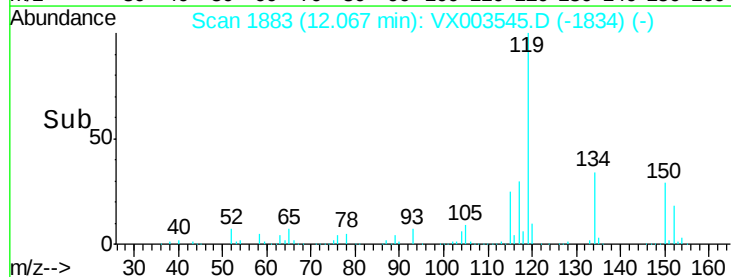
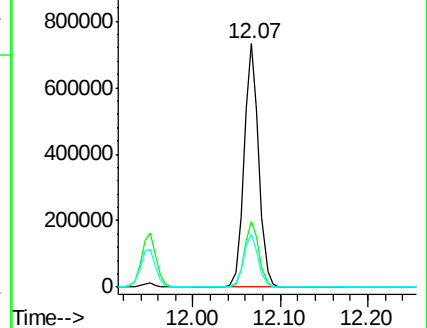
91 22.0 11.9 35.7

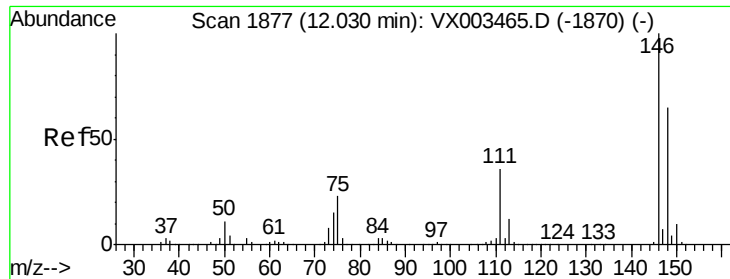


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.56 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

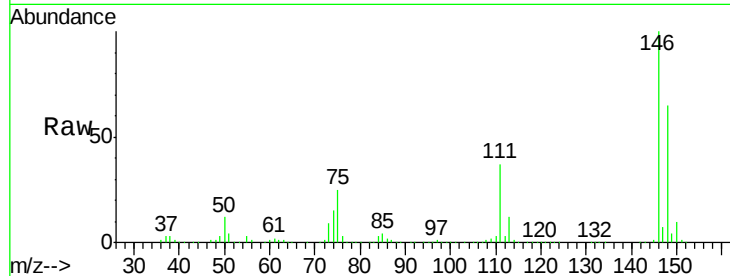
Tot Ion:146 Resp: 473172

Ion Ratio Lower Upper

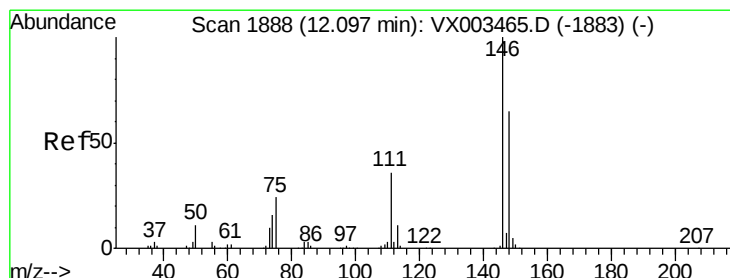
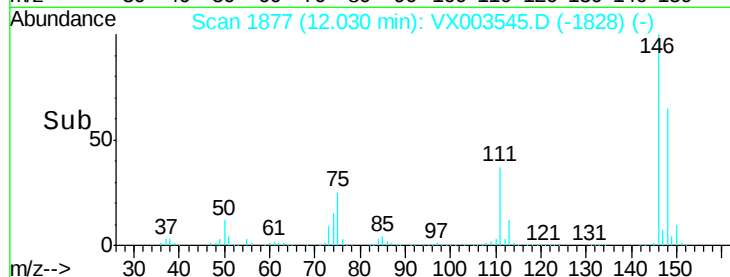
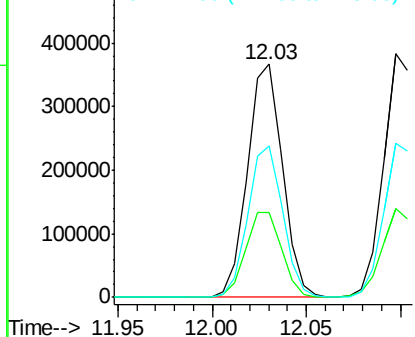
146 100

111 37.5 18.9 56.7

148 64.9 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: 49.95 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

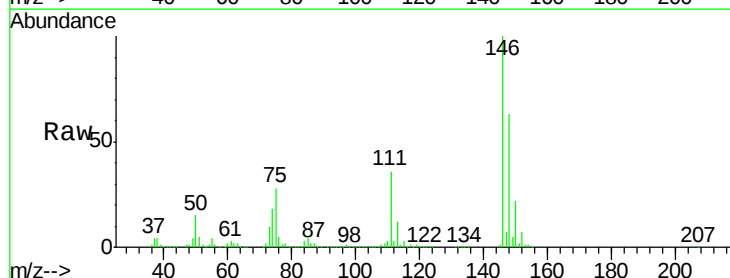
Tgt Ion:146 Resp: 481520

Ion Ratio Lower Upper

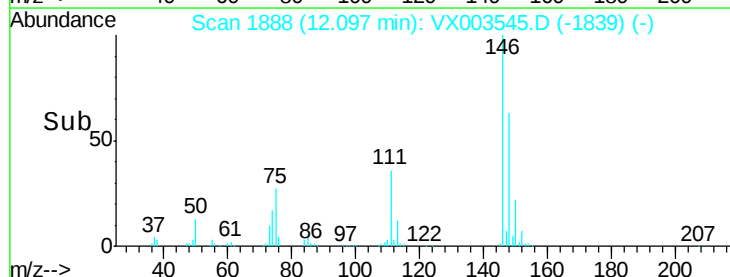
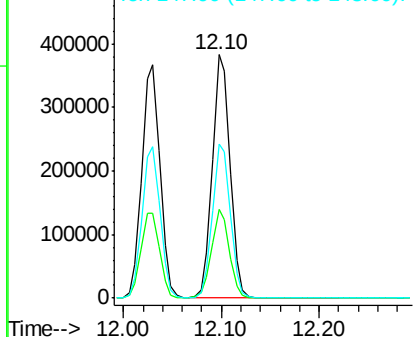
146 100

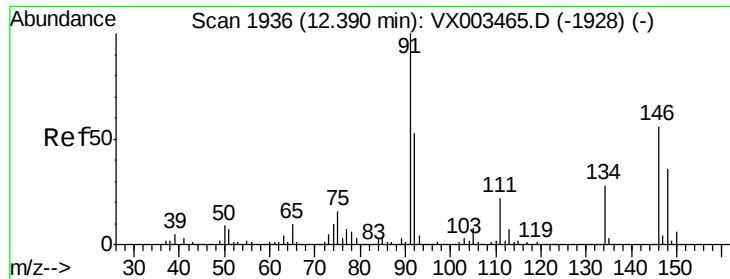
111 36.2 18.7 56.1

148 63.9 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: 56.42 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

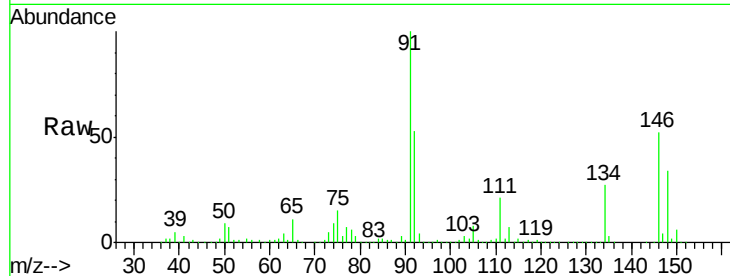
Tot Ion: 91 Resp: 744109

Ion Ratio Lower Upper

91 100

92 52.9 26.0 78.0

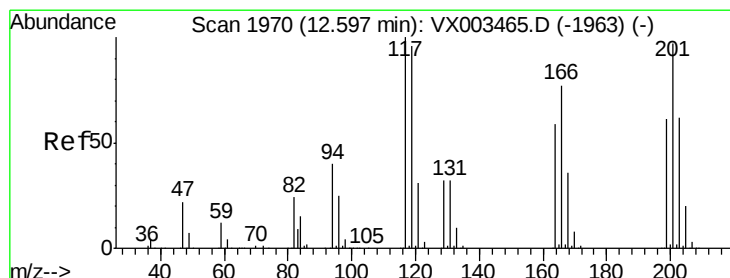
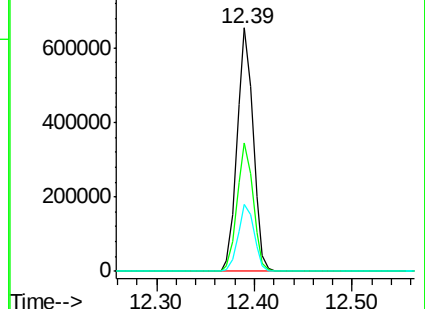
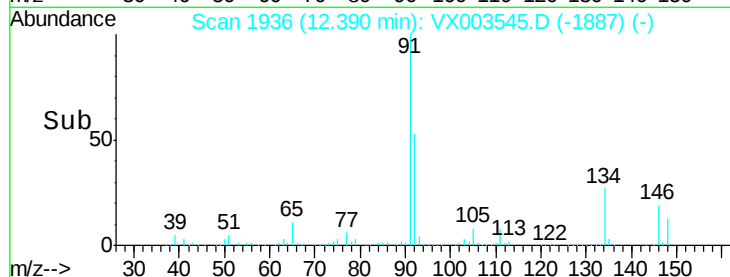
134 27.8 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1928) (-)

Ion 92.00 (91.70 to 92.70): VX003465.D (-1928) (-)

Ion 134.00 (133.70 to 134.70): VX003465.D (-1928) (-)



#90

Hexachloroethane

Concen: 53.07 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003545.D

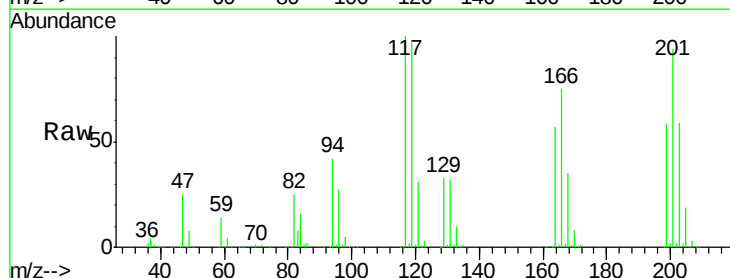
Acq: 21 Jul 2018 10:19

Tgt Ion: 117 Resp: 117171

Ion Ratio Lower Upper

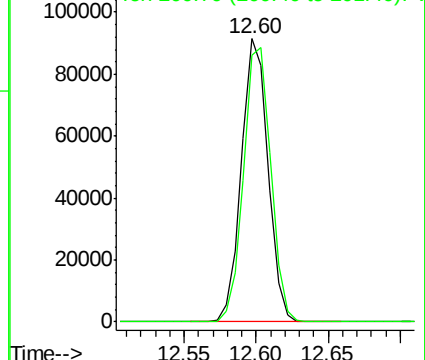
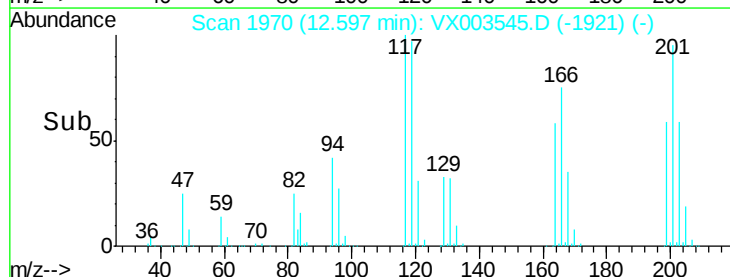
117 100

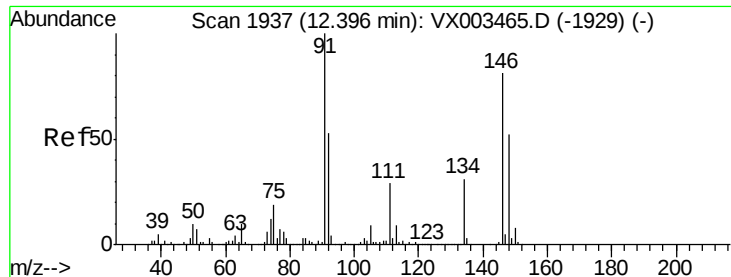
201 99.2 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX003465.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX003465.D (-1963) (-)





#91

1,2-Dichlorobenzene

Concen: 51.02 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

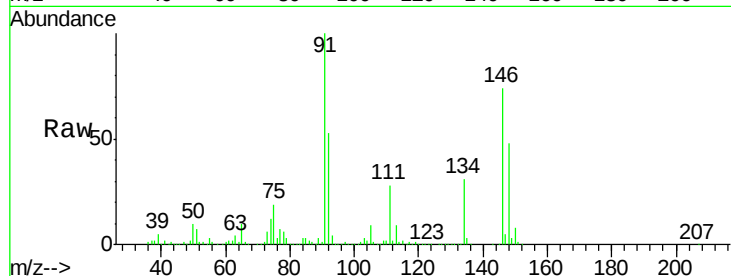
Tot Ion:146 Resp: 470600

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

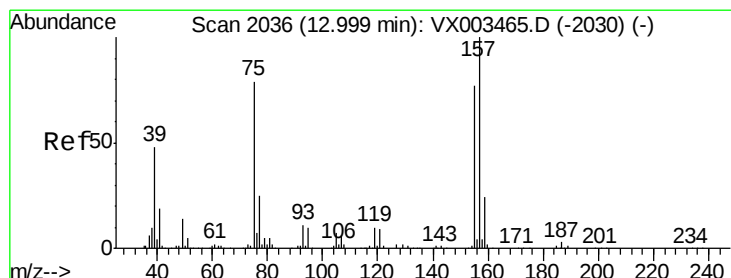
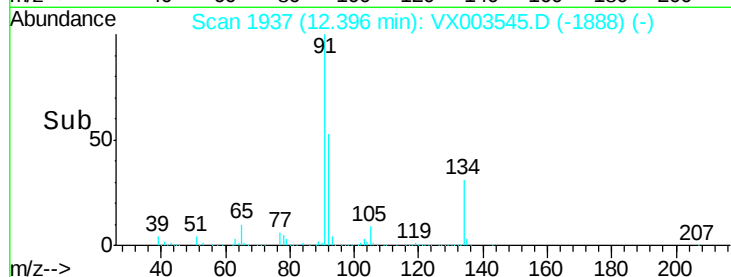
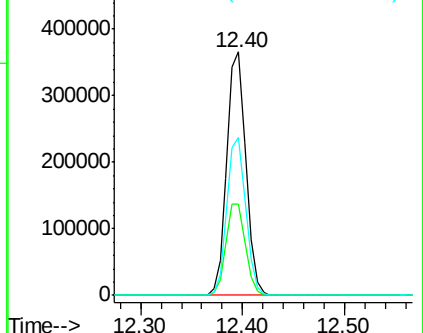
148 64.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.92 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

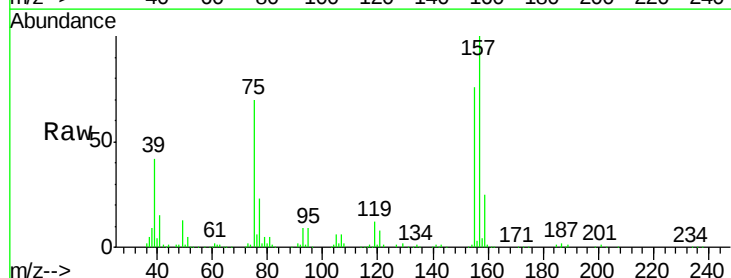
Tgt Ion: 75 Resp: 50395

Ion Ratio Lower Upper

75 100

155 100.8 45.8 137.4

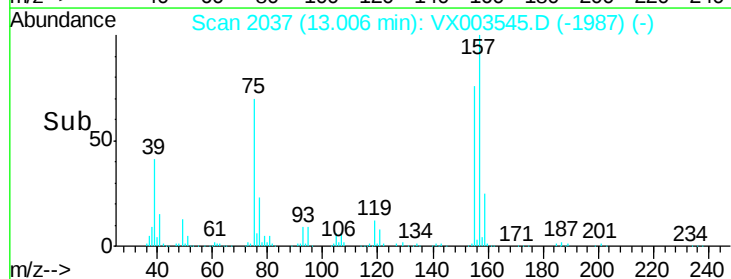
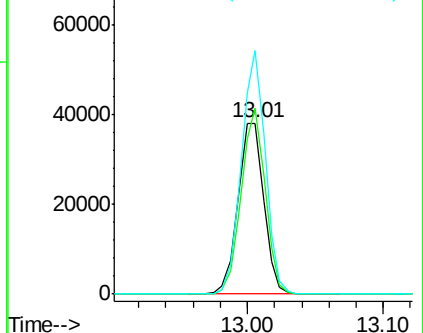
157 131.6 60.1 180.3

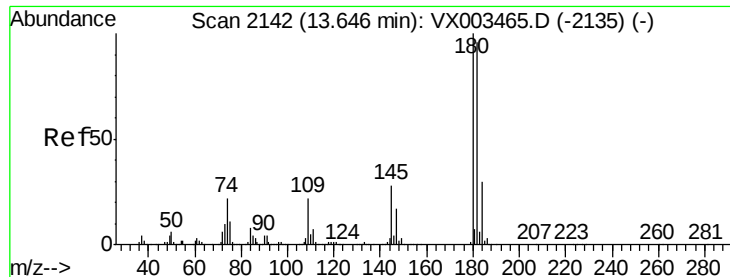


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

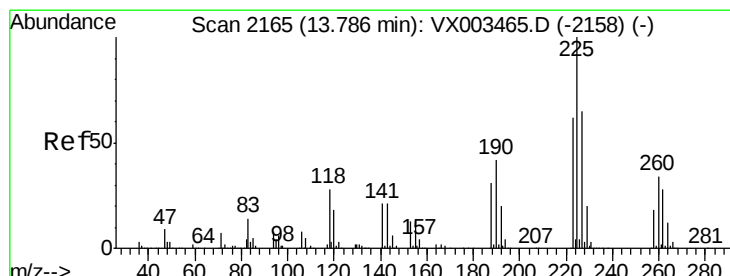
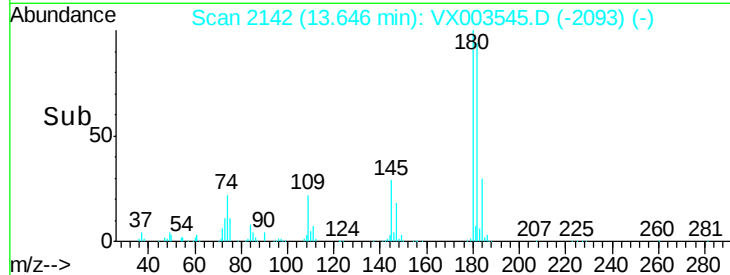
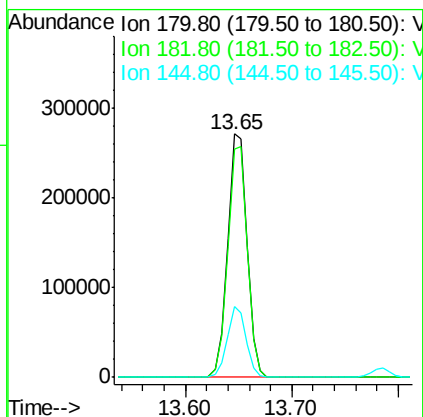
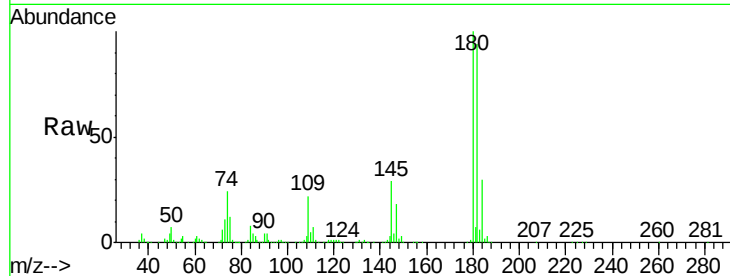




#93
 1,2,4-Trichlorobenzene
 Concen: 51.45 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

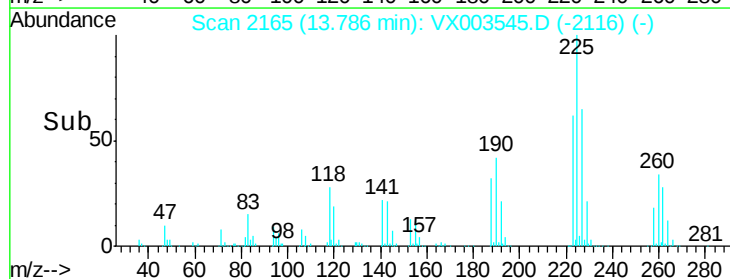
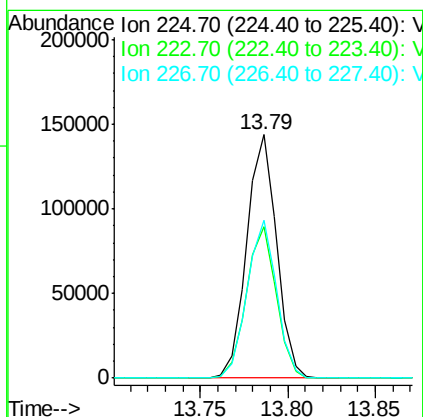
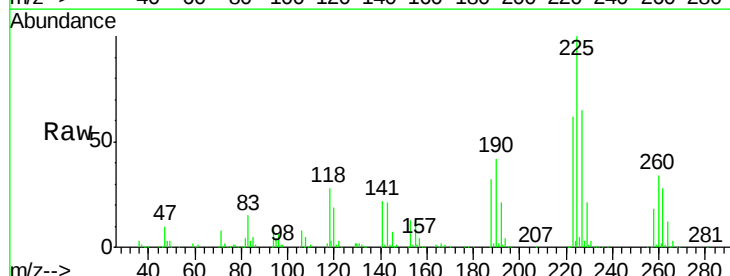
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

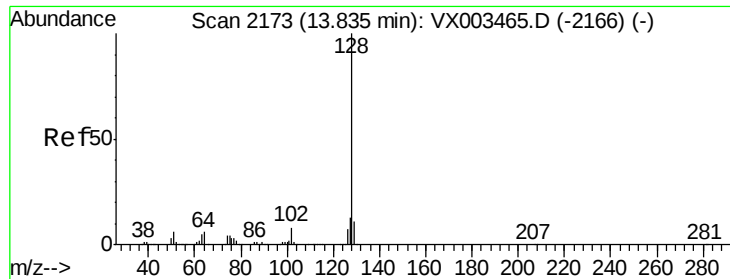
Tot Ion:180 Resp: 347809
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.7 143.1
 145 28.0 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 52.48 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003545.D
 Acq: 21 Jul 2018 10:19

Tgt Ion:225 Resp: 170628
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 95.0
 227 64.0 32.4 97.2





#95

Naphthalene

Concen: 52.47 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

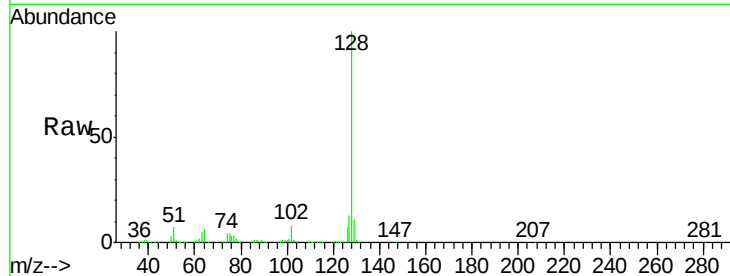
Tot Ion:128 Resp: 932115

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

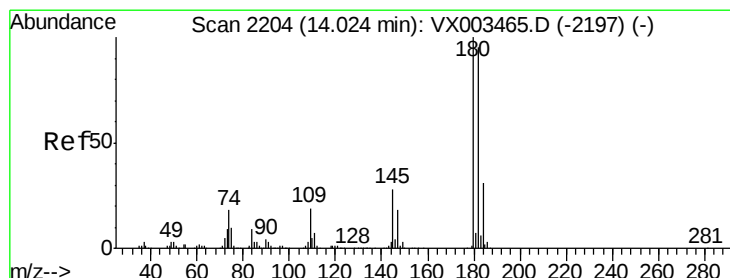
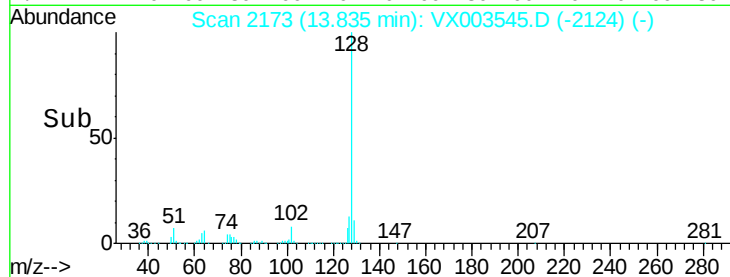
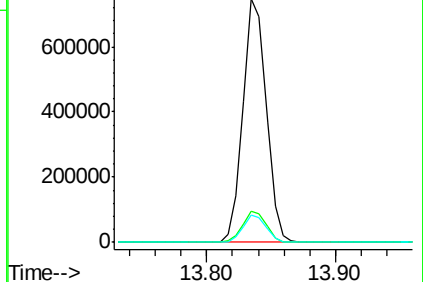
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.22 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003545.D

Acq: 21 Jul 2018 10:19

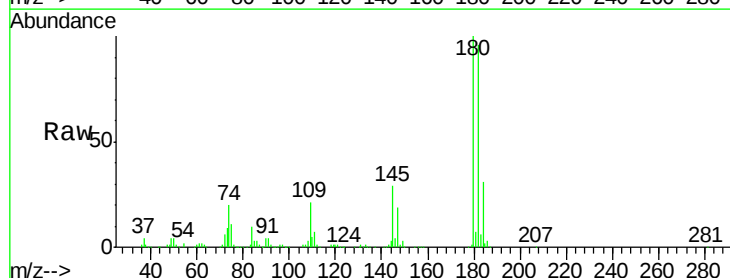
Tgt Ion:180 Resp: 342796

Ion Ratio Lower Upper

180 100

182 95.2 48.0 144.0

145 29.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

