

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002652.D
 Acq On : 16 Jun 2018 17:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 18 01:38:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	310377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197329	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	163567	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
35) Dibromofluoromethane	5.51	113	131092	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
50) Toluene-d8	8.72	98	497730	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	11.14	95	187376	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	103239	43.505	ug/l	98
3) Chloromethane	1.32	50	112562	39.875	ug/l	99
4) Vinyl Chloride	1.41	62	129898	44.345	ug/l	99
5) Bromomethane	1.64	94	71128	40.243	ug/l	99
6) Chloroethane	1.72	64	87823	45.488	ug/l	98
7) Trichlorofluoromethane	1.93	101	223083	46.875	ug/l	97
8) Diethyl Ether	2.19	74	80529	44.488	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	125351	47.121	ug/l	99
10) Methyl Iodide	2.51	142	109898	32.621	ug/l	100
11) Tert butyl alcohol	3.08	59	163899	233.401	ug/l	99
12) 1,1-Dichloroethene	2.37	96	113218	45.329	ug/l	100
13) Acrolein	2.30	56	58787	180.534	ug/l	98
14) Allyl chloride	2.73	41	230322	46.443	ug/l	99
15) Acrylonitrile	3.15	53	354757	231.511	ug/l	100
16) Acetone	2.45	43	387414	258.508	ug/l	99
17) Carbon Disulfide	2.57	76	287534	48.538	ug/l	98
18) Methyl Acetate	2.78	43	191046	47.850	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	421028	44.935	ug/l	99
20) Methylene Chloride	2.86	84	128974	41.972	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	122611	45.250	ug/l	97
22) Diisopropyl ether	3.88	45	408844	45.567	ug/l	98
23) Vinyl Acetate	3.83	43	1764361	234.949	ug/l	99
24) 1,1-Dichloroethane	3.70	63	243444	49.991	ug/l	99
25) 2-Butanone	4.71	43	494919	251.466	ug/l	98
26) 2,2-Dichloropropane	4.59	77	171968	49.146	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	129279	46.891	ug/l	95
28) Bromochloromethane	5.03	49	110954	48.652	ug/l	97
29) Tetrahydrofuran	5.17	42	308616	239.260	ug/l	98
30) Chloroform	5.22	83	229606	48.894	ug/l	99
31) Cyclohexane	5.58	56	192006	47.888	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	198373	50.508	ug/l	100
36) 1,1-Dichloropropene	5.80	75	163577	49.623	ug/l	99
37) Ethyl Acetate	4.87	43	185399	49.691	ug/l	99
38) Carbon Tetrachloride	5.79	117	176150	53.664	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196031	50.870	ug/l	96
40) Benzene	6.15	78	491524	49.728	ug/l	99
41) Methacrylonitrile	5.07	41	105511	50.085	ug/l	98
42) 1,2-Dichloroethane	6.20	62	191629	50.076	ug/l	100
43) Isopropyl Acetate	6.47	43	304185	49.208	ug/l	99
44) Trichloroethene	7.21	130	142787	50.050	ug/l	97
45) 1,2-Dichloropropane	7.52	63	131628	50.599	ug/l	99
46) Dibromomethane	7.67	93	88654	50.947	ug/l	98
47) Bromodichloromethane	7.90	83	165668	53.978	ug/l	100
48) Methyl methacrylate	7.78	41	157788	49.949	ug/l	97
49) 1,4-Dioxane	7.76	88	62642	1047.132	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1012188	255.019	ug/l	99
52) Toluene	8.79	92	319944	50.744	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	196711	48.494	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	180699	46.842	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	130950	51.399	ug/l	98
56) Ethyl methacrylate	9.18	69	202096	51.546	ug/l	98
57) 1,3-Dichloropropane	9.38	76	214420	49.762	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	478427	252.290	ug/l	99
59) 2-Hexanone	9.50	43	796658	266.365	ug/l	98
60) Dibromochloromethane	9.59	129	137330	48.075	ug/l	99
61) 1,2-Dibromoethane	9.68	107	138231	52.388	ug/l	100
64) Tetrachloroethene	9.34	164	161865	47.608	ug/l	98
65) Chlorobenzene	10.14	112	371109	49.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	134984	52.637	ug/l	100
67) Ethyl Benzene	10.26	91	638032	50.289	ug/l	99
68) m/p-Xylenes	10.37	106	491384	100.404	ug/l	100
69) o-Xylene	10.70	106	242010	50.331	ug/l	97
70) Styrene	10.71	104	407021	51.471	ug/l	99
71) Bromoform	10.86	173	104778	45.375	ug/l	100
73) Isopropylbenzene	11.02	105	663217	50.253	ug/l	99
74) N-amyl acetate	6.47	43	304185	46.390	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	197214	50.602	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	225549	60.573	ug/l	80
77) Bromobenzene	11.26	156	182857	49.733	ug/l	96
78) n-propylbenzene	11.37	91	756454	49.978	ug/l	100
79) 2-Chlorotoluene	11.43	91	444830	49.225	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	560415	50.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	49826	43.418	ug/l	95
82) 4-Chlorotoluene	11.51	91	527757	49.494	ug/l	99
83) tert-Butylbenzene	11.77	119	551550	51.333	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	578133	50.799	ug/l	98
85) sec-Butylbenzene	11.95	105	683764	51.179	ug/l	100
86) p-Isopropyltoluene	12.07	119	615911	50.951	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	333981	49.532	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	335519	48.904	ug/l	99
89) n-Butylbenzene	12.39	91	548902	51.472	ug/l	99
90) Hexachloroethane	12.60	117	86767	46.254	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	342587	50.481	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44309	54.277	ug/l	96

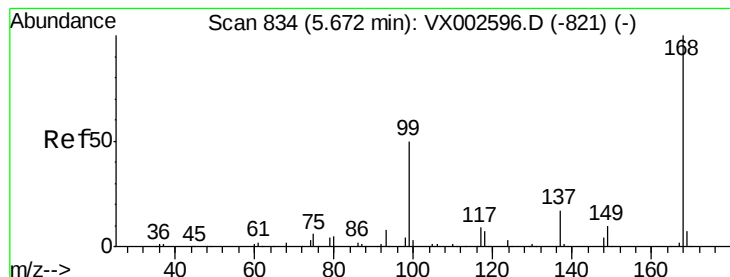
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	250039	50.766	ug/l	100
94) Hexachlorobutadiene	13.79	225	135176	52.100	ug/l	100
95) Naphthalene	13.84	128	692831	52.275	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	256248	51.801	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

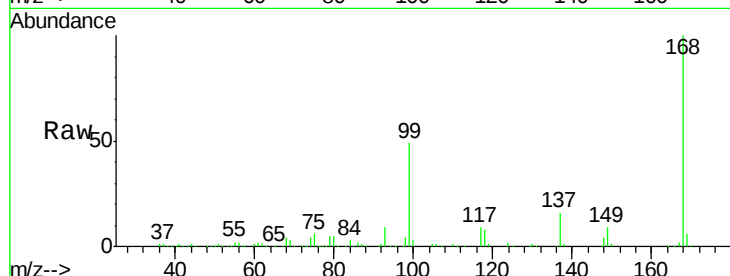
VSTDCCC050

Tot Ion:168 Resp: 223533

Ion Ratio Lower Upper

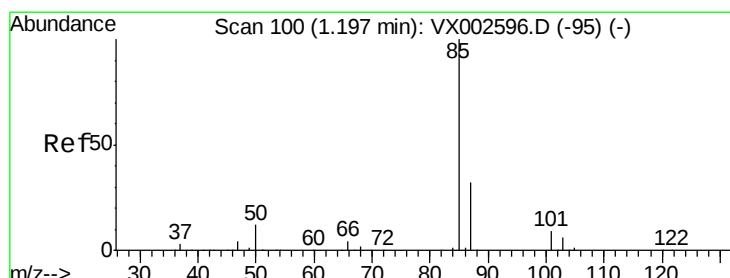
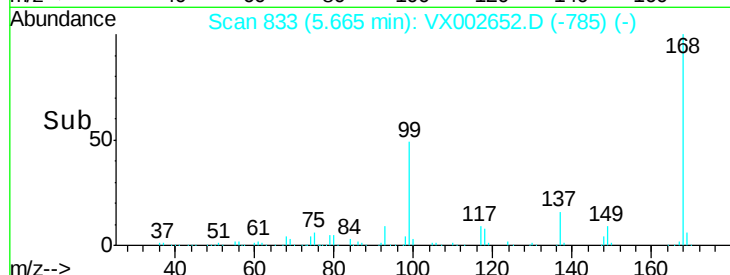
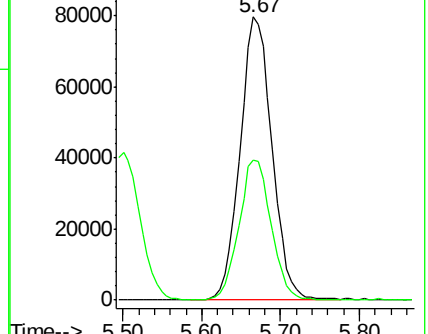
168 100

99 49.3 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: 43.505 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002652.D

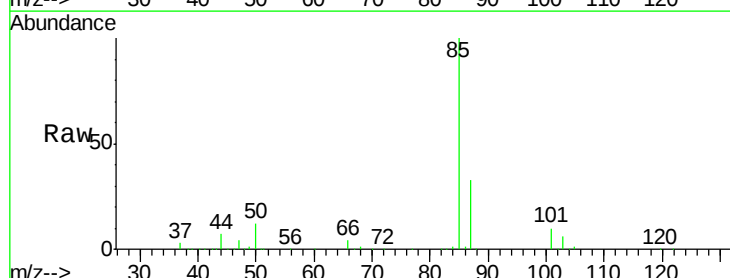
Acq: 16 Jun 2018 17:39

Tgt Ion: 85 Resp: 103239

Ion Ratio Lower Upper

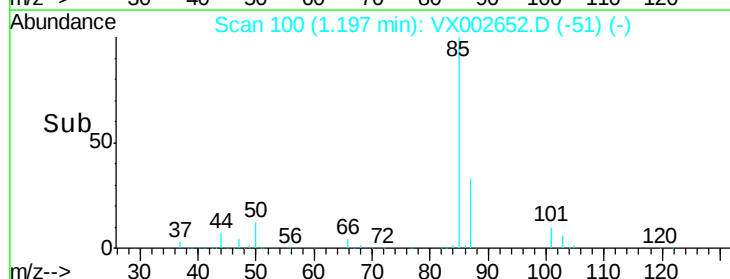
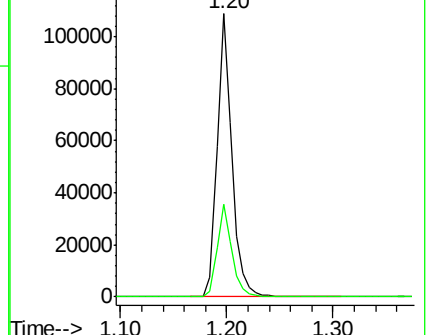
85 100

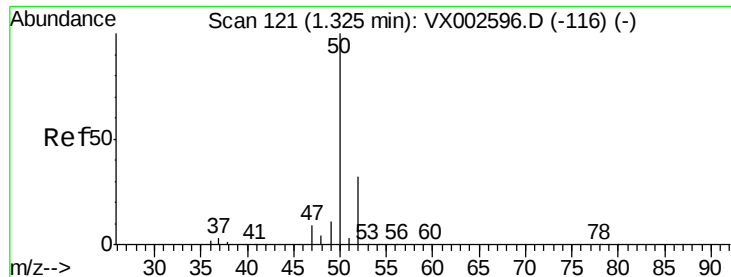
87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 39.875 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

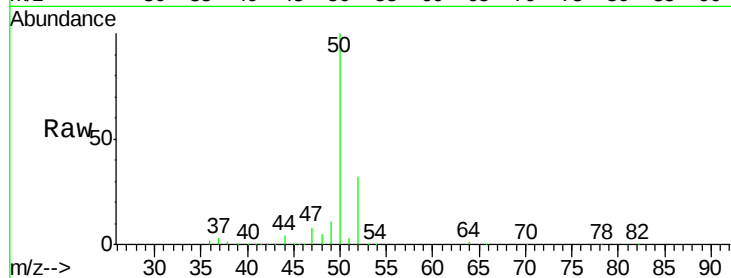
VSTDCCC050

Tot Ion: 50 Resp: 112562

Ion Ratio Lower Upper

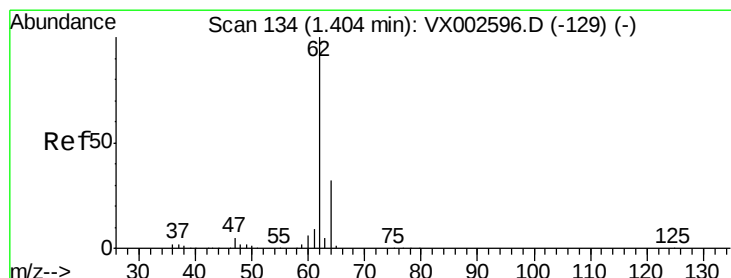
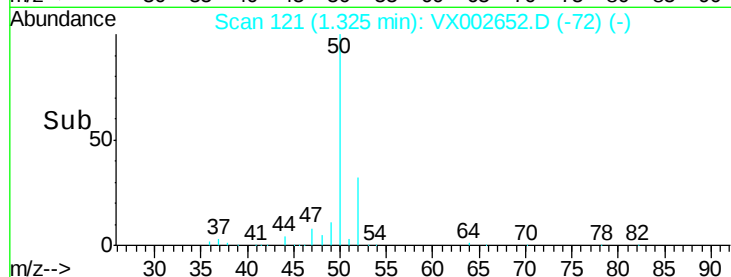
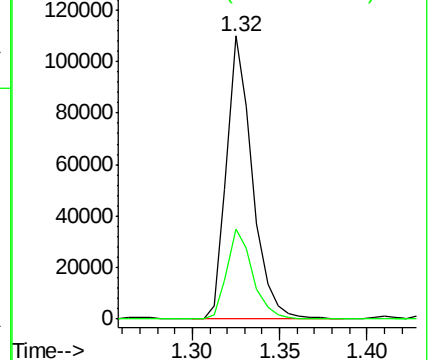
50 100

52 31.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.345 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002652.D

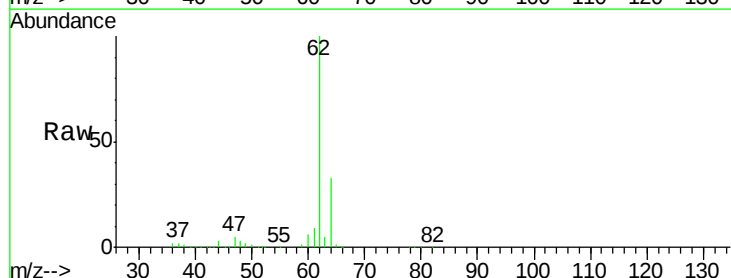
Acq: 16 Jun 2018 17:39

Tgt Ion: 62 Resp: 129898

Ion Ratio Lower Upper

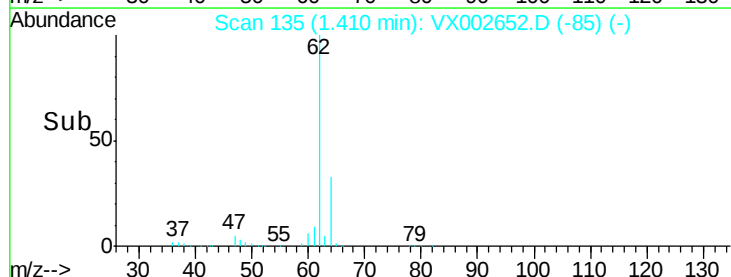
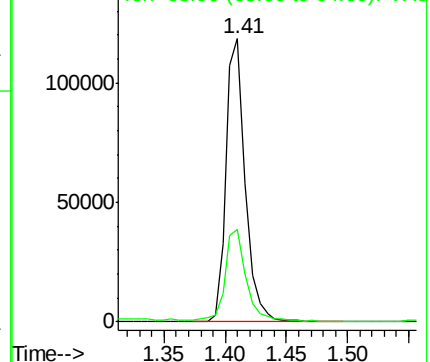
62 100

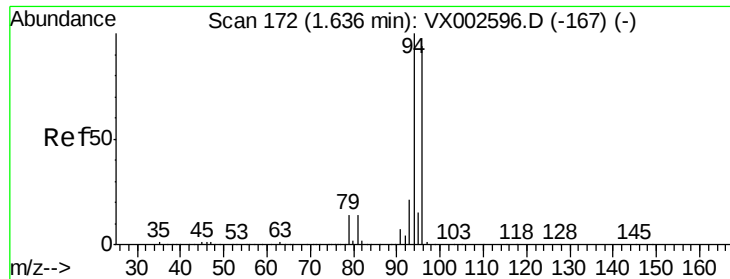
64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.243 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

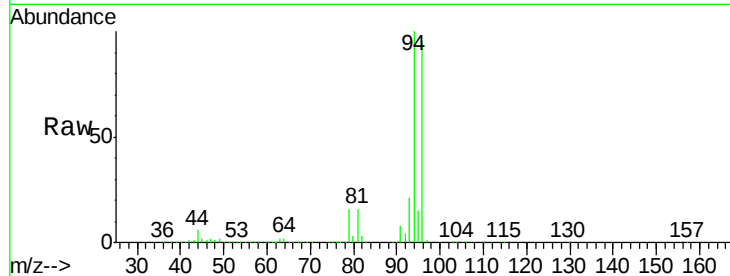
VSTDCCC050

Tot Ion: 94 Resp: 71128

Ion Ratio Lower Upper

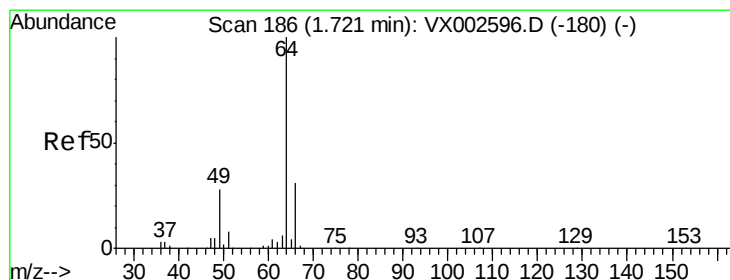
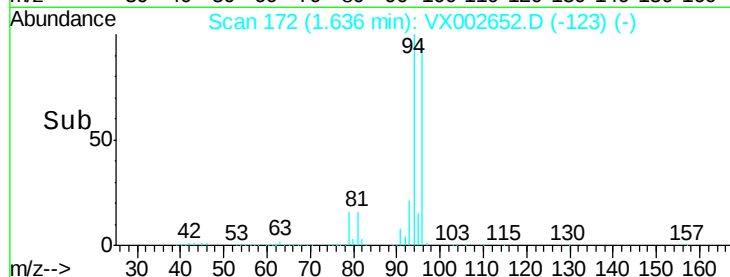
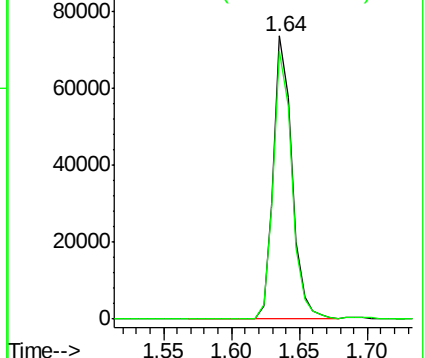
94 100

96 94.7 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: 45.488 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002652.D

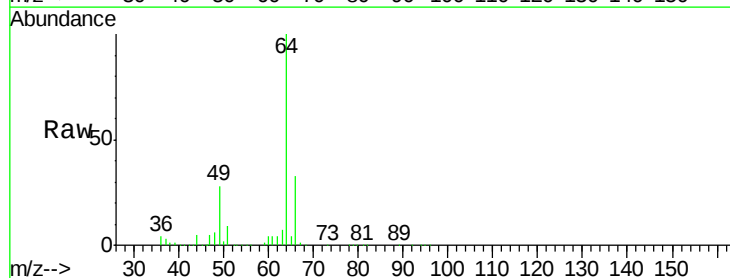
Acq: 16 Jun 2018 17:39

Tgt Ion: 64 Resp: 87823

Ion Ratio Lower Upper

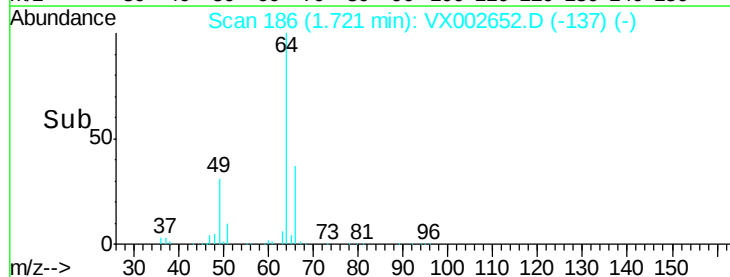
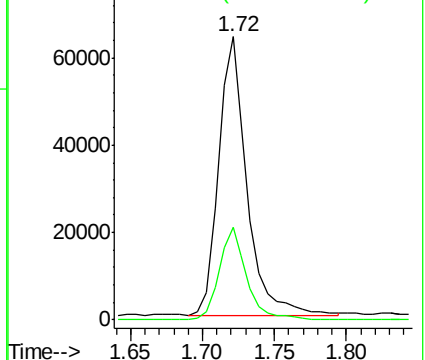
64 100

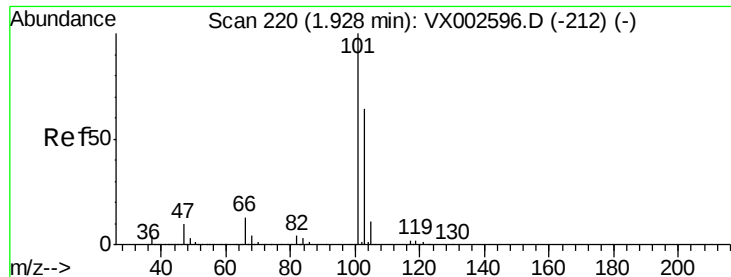
66 32.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



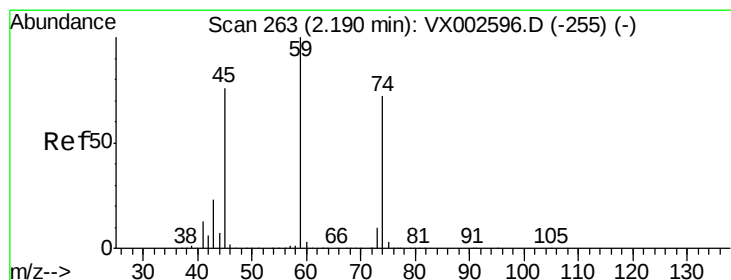
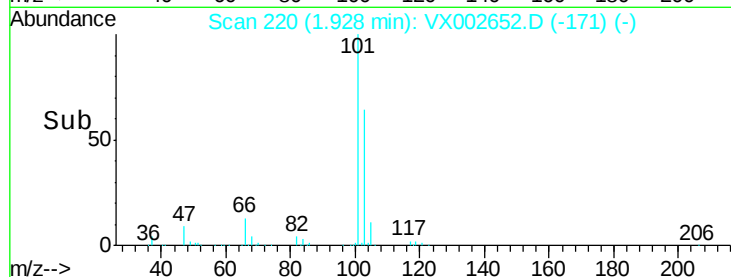
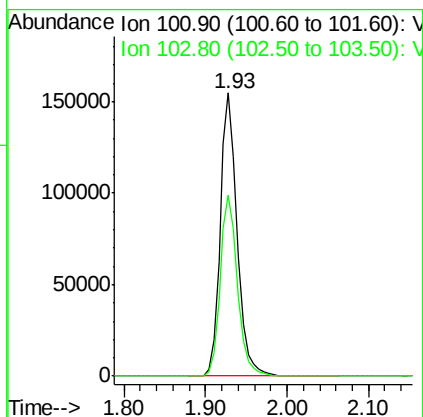
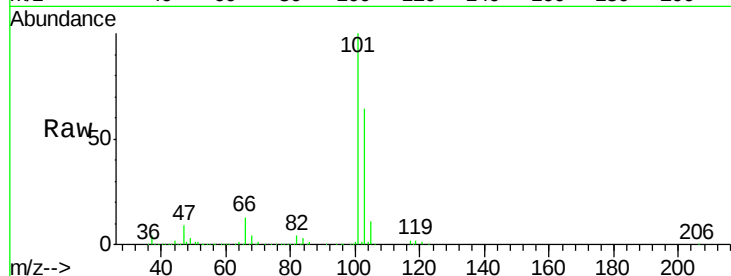


#7

Trichlorofluoromethane
Concen: 46.875 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

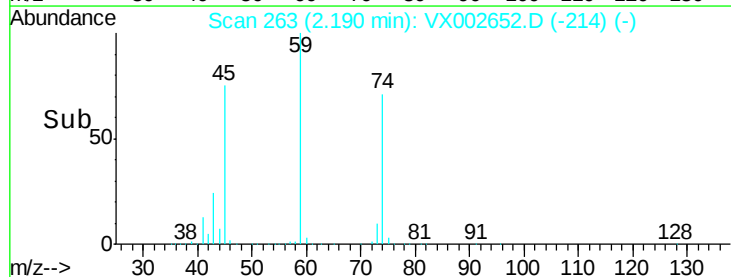
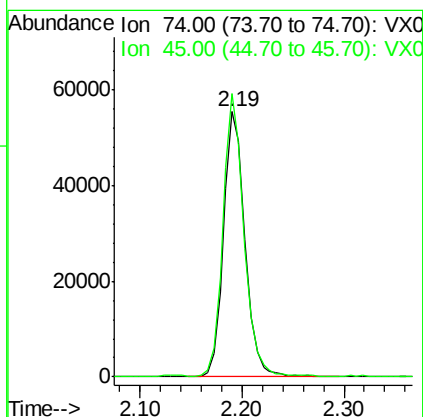
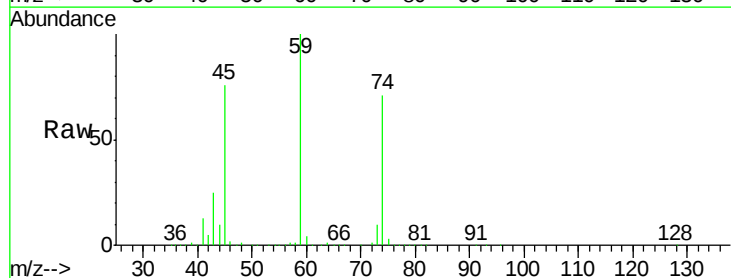
Tot Ion:101 Resp: 223083
Ion Ratio Lower Upper
101 100
103 64.0 52.8 79.2

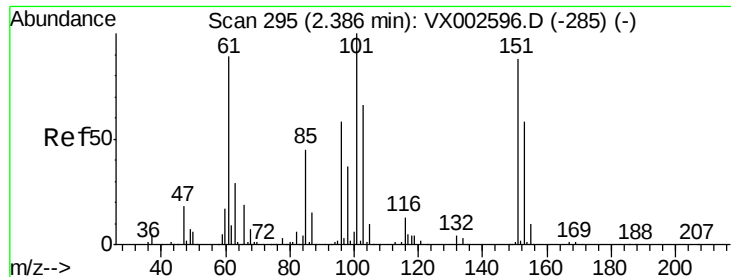


#8

Diethyl Ether
Concen: 44.488 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion: 74 Resp: 80529
Ion Ratio Lower Upper
74 100
45 104.0 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.121 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

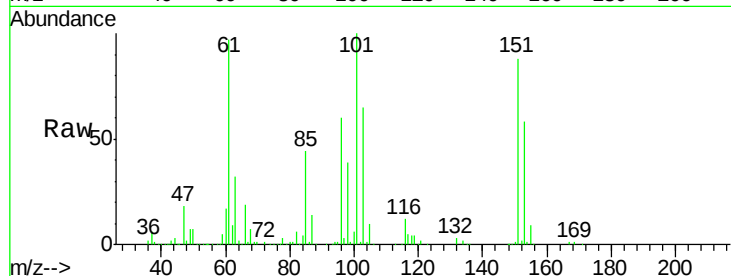
Tot Ion:101 Resp: 125351

Ion Ratio Lower Upper

101 100

85 45.7 36.0 54.0

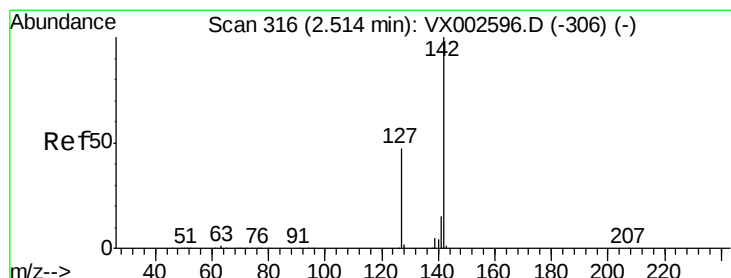
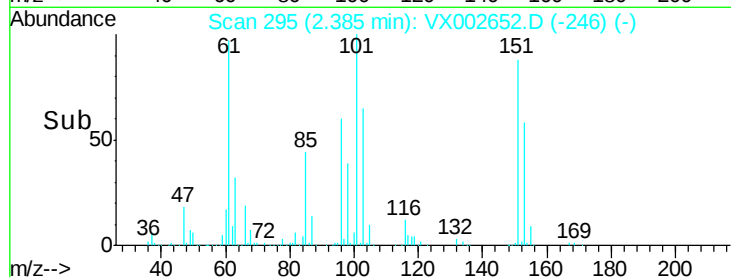
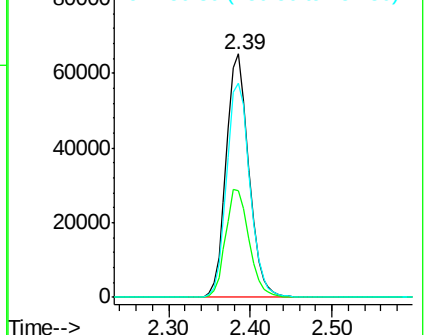
151 90.0 70.9 106.3



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: 32.621 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

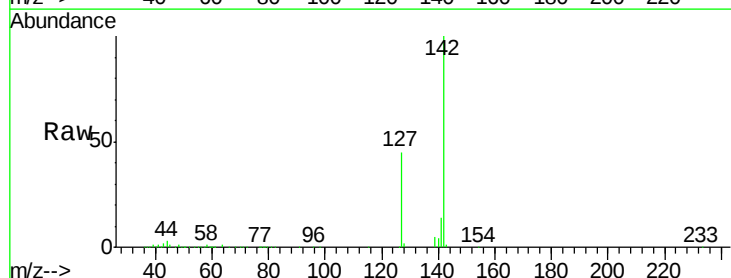
Tgt Ion:142 Resp: 109898

Ion Ratio Lower Upper

142 100

127 46.0 36.6 55.0

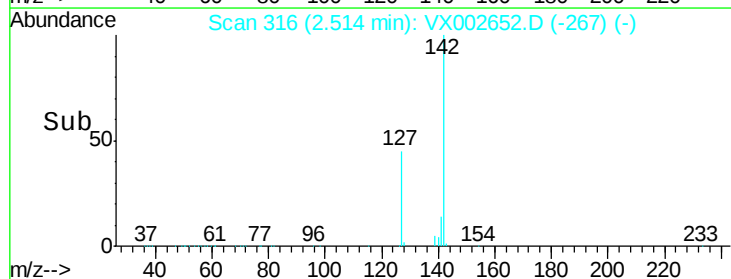
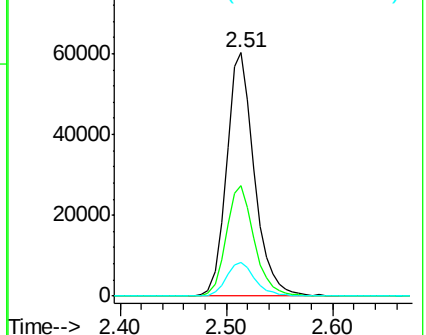
141 14.4 11.3 16.9

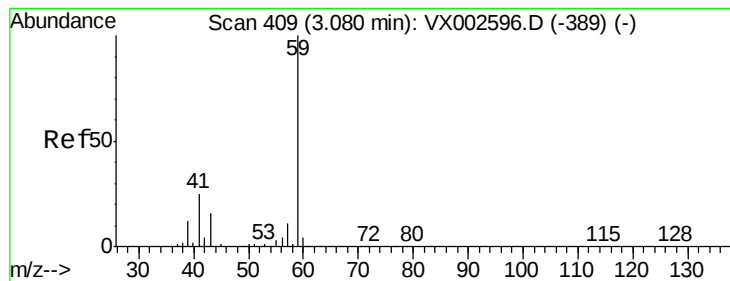


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



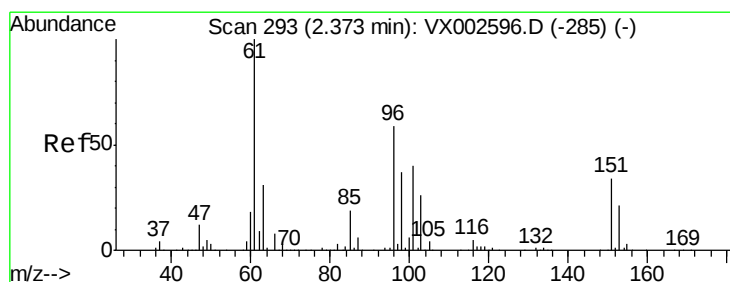
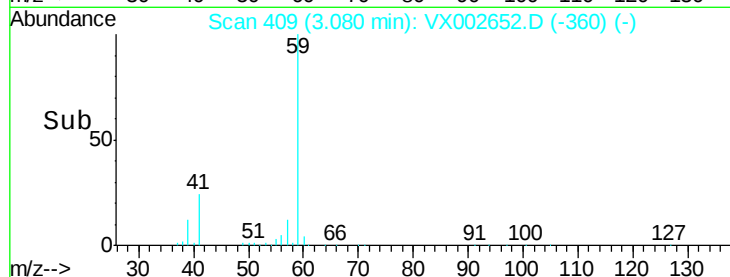
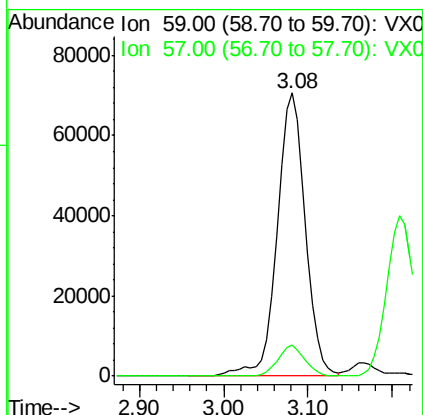
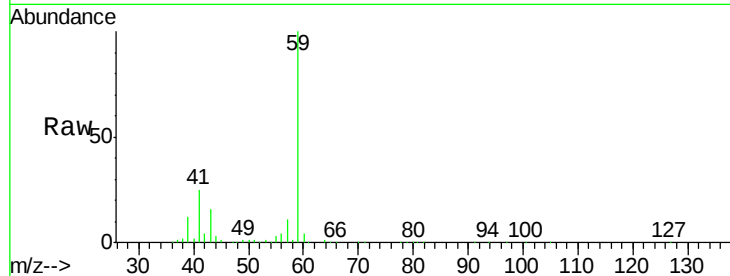


#11

Tert butyl alcohol
 Concen: 233.401 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

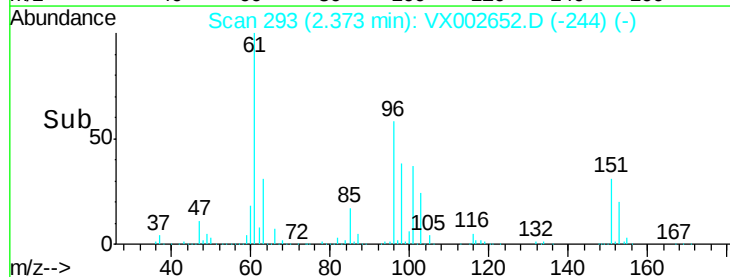
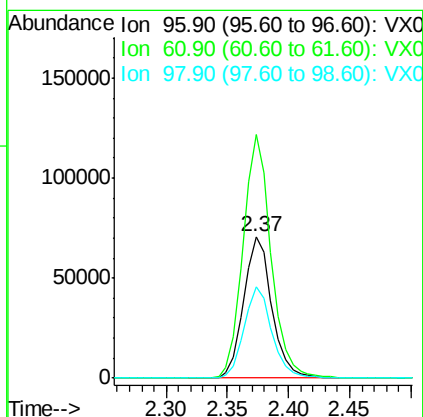
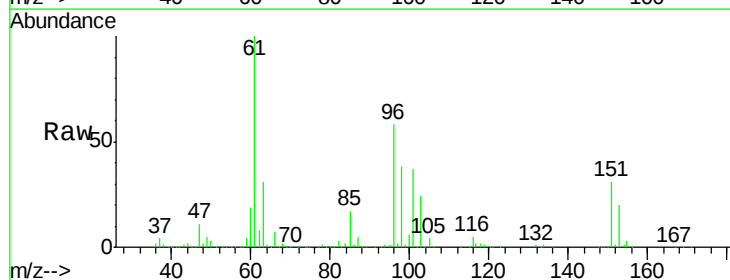
Tot Ion: 59 Resp: 163899
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

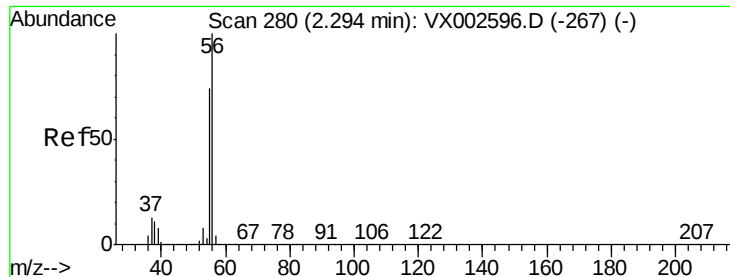


#12

1,1-Dichloroethene
 Concen: 45.329 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion: 96 Resp: 113218
 Ion Ratio Lower Upper
 96 100
 61 172.2 137.9 206.9
 98 64.6 51.6 77.4





#13

Acrolein

Concen: 180.534 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

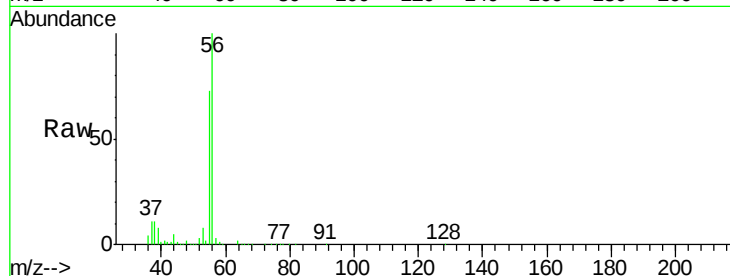
VSTDCCC050

Tot Ion: 56 Resp: 58787

Ion Ratio Lower Upper

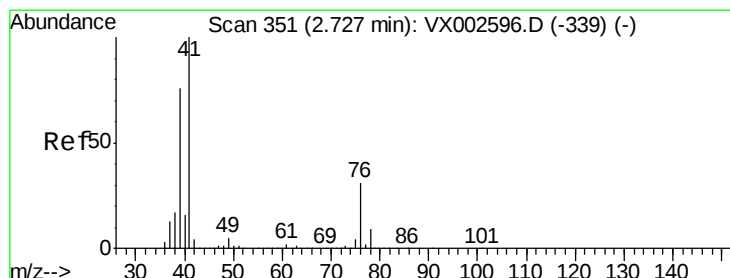
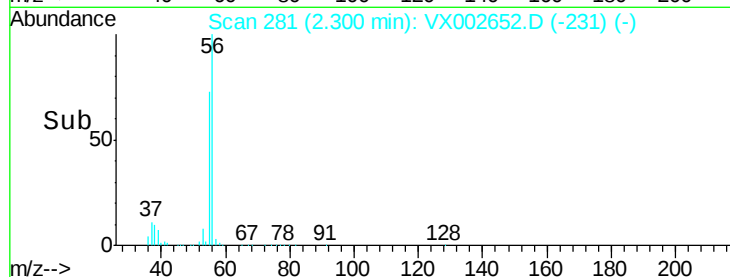
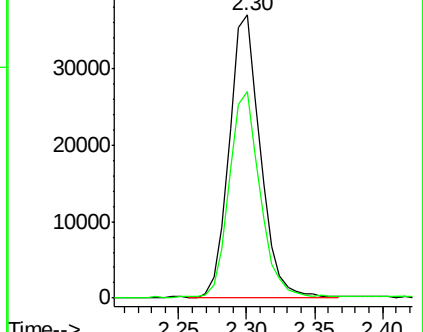
56 100

55 72.7 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.443 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

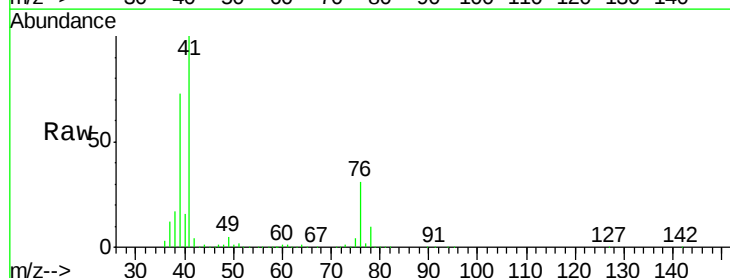
Tgt Ion: 41 Resp: 230322

Ion Ratio Lower Upper

41 100

39 72.6 56.8 85.2

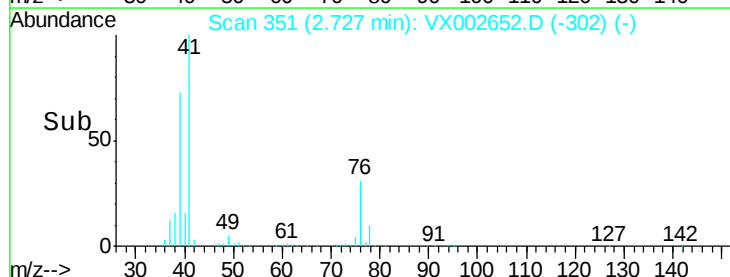
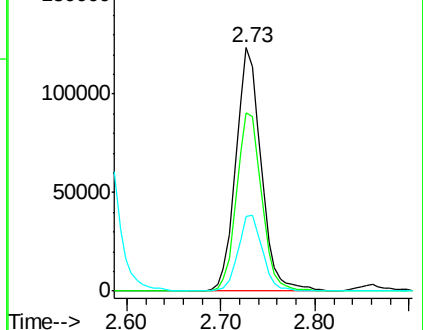
76 30.1 23.8 35.8

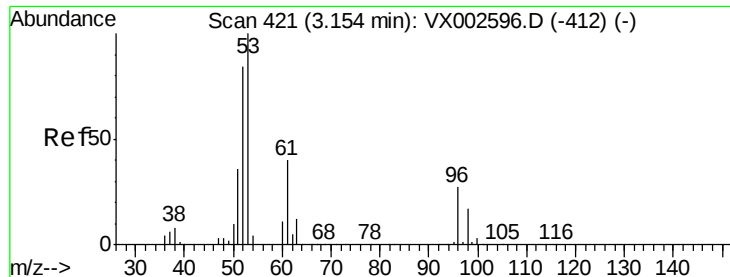


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

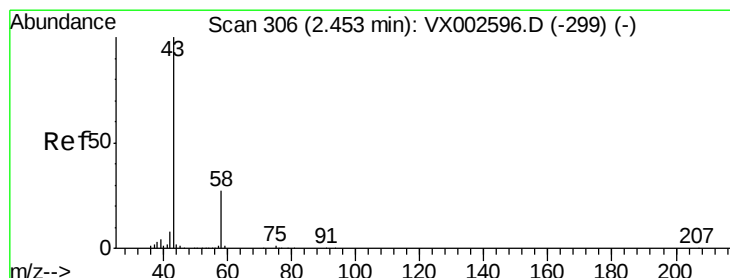
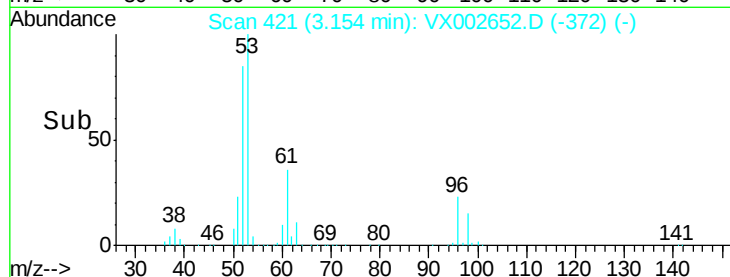
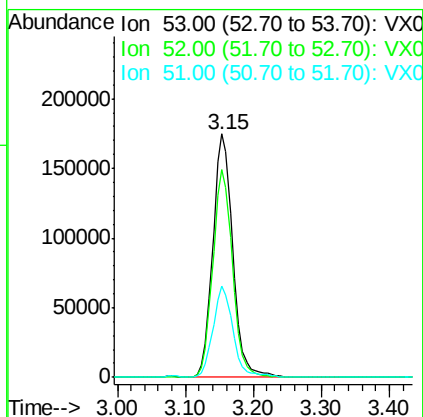
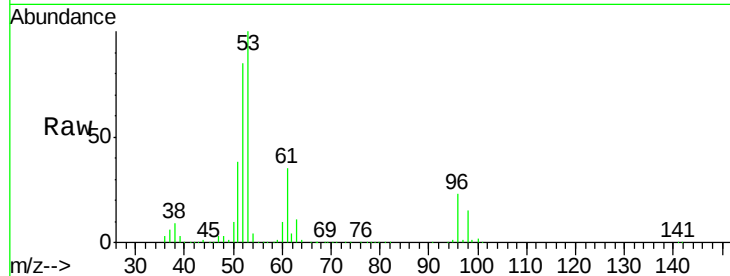




#15
 Acrylonitrile
 Concen: 231.511 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

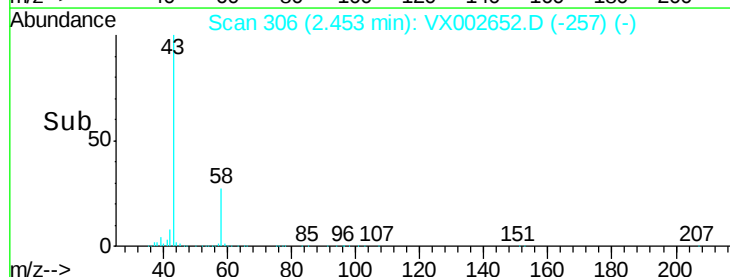
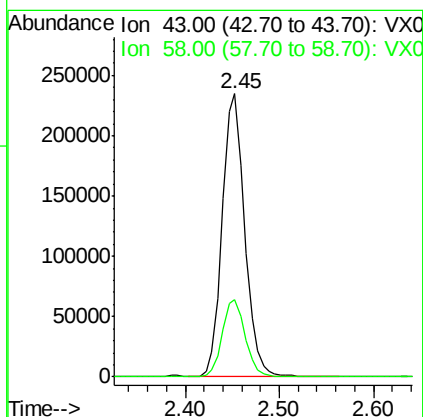
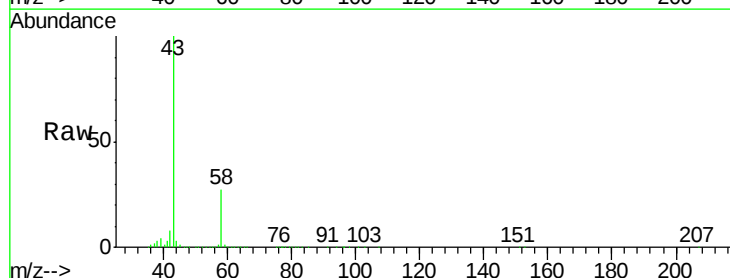
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

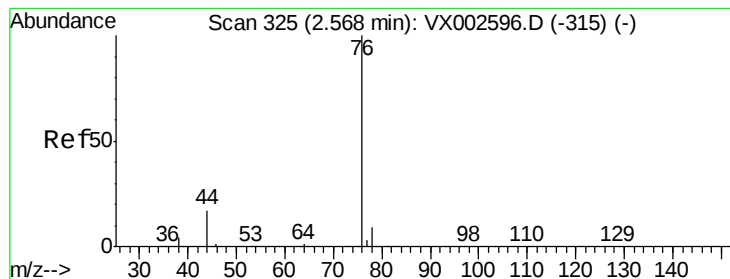
Tot Ion: 53 Resp: 354757
 Ion Ratio Lower Upper
 53 100
 52 83.9 66.7 100.1
 51 37.4 29.9 44.9



#16
 Acetone
 Concen: 258.508 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion: 43 Resp: 387414
 Ion Ratio Lower Upper
 43 100
 58 27.3 22.1 33.1





#17

Carbon Disulfide

Concen: 48.538 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

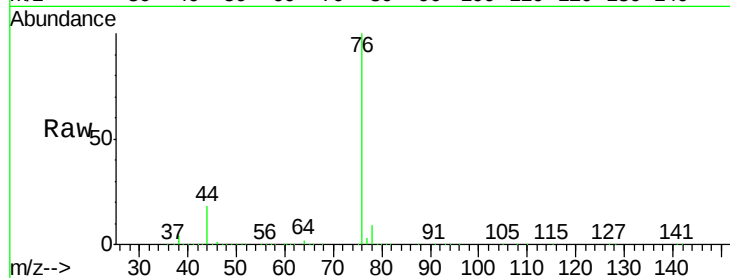
VSTDCCC050

Tot Ion: 76 Resp: 287534

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

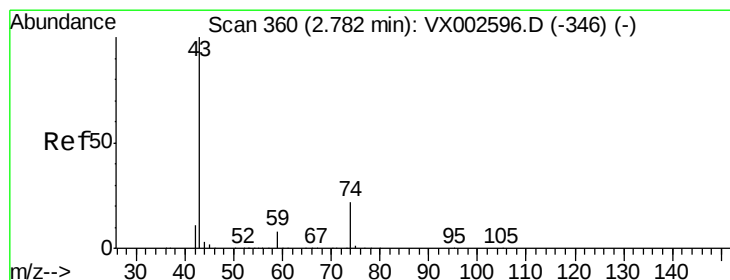
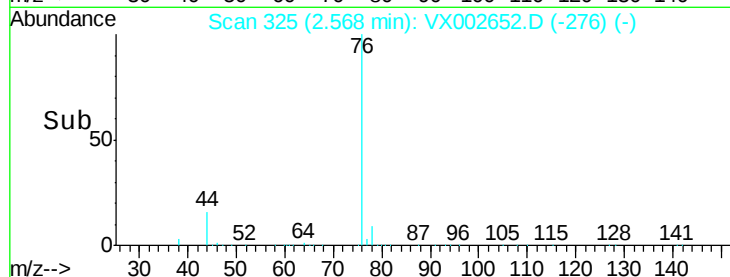
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 47.850 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002652.D

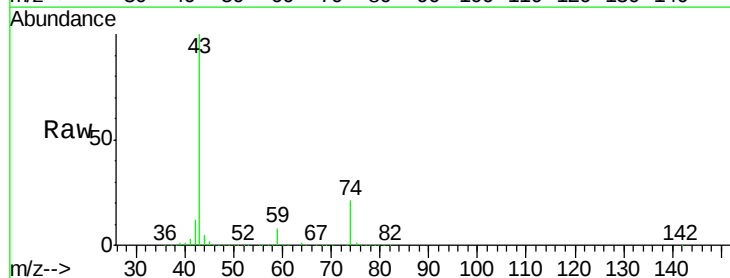
Acq: 16 Jun 2018 17:39

Tgt Ion: 43 Resp: 191046

Ion Ratio Lower Upper

43 100

74 20.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

60000

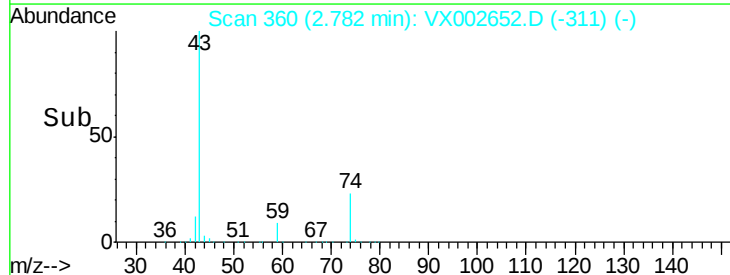
40000

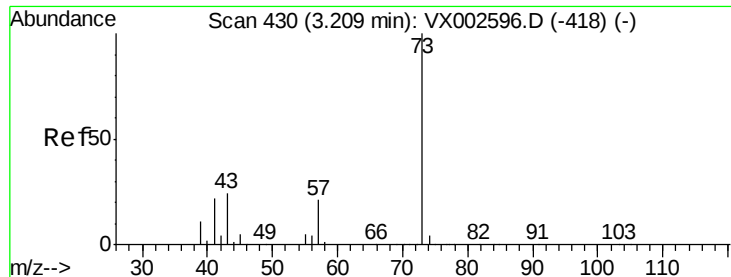
20000

0

Time-->

2.70 2.80



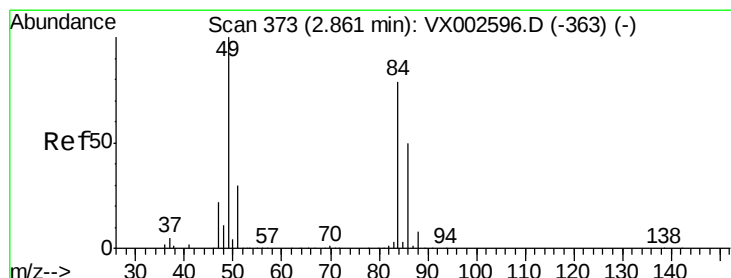
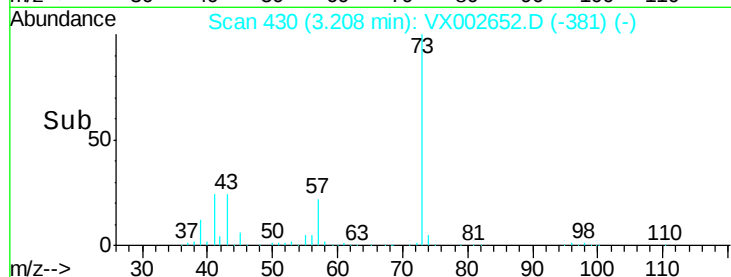
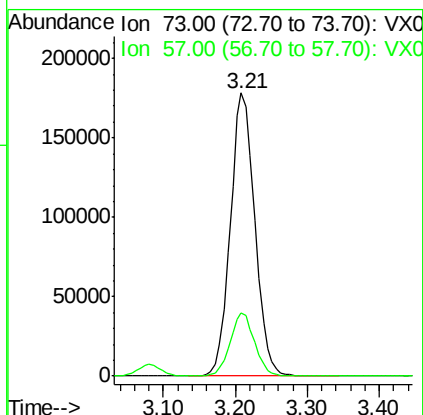
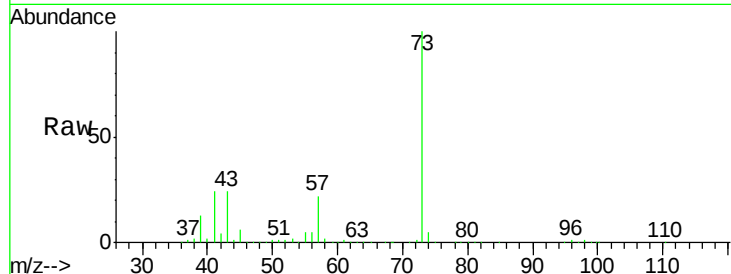


#19

Methyl tert-butyl Ether
 Concen: 44.935 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

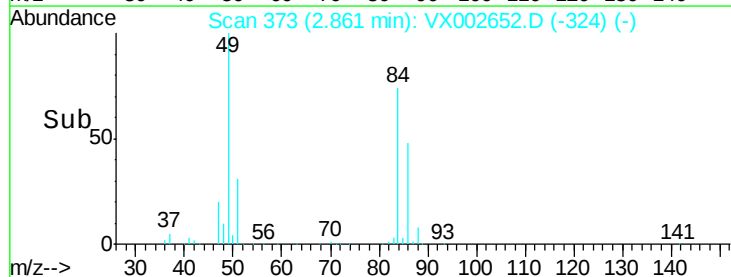
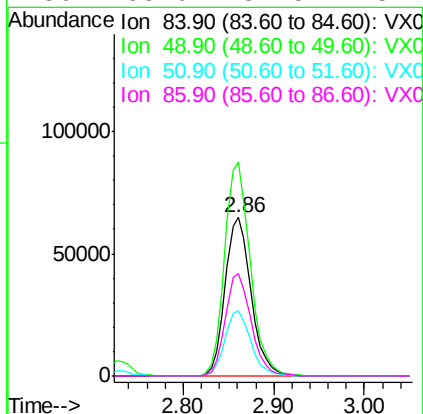
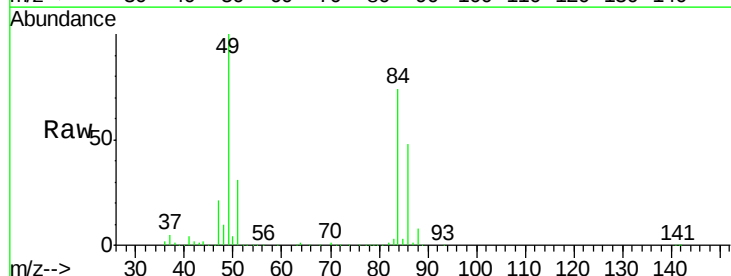
Tot Ion: 73 Resp: 421028
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.7 26.5

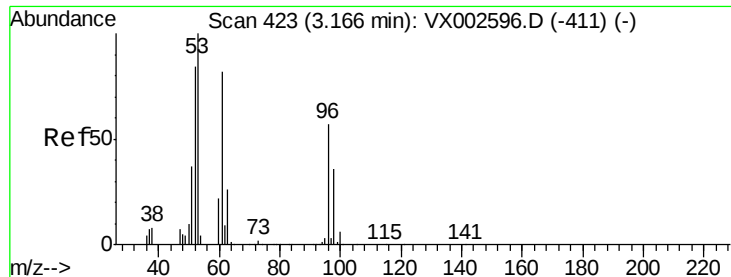


#20

Methylene Chloride
 Concen: 41.972 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion: 84 Resp: 128974
 Ion Ratio Lower Upper
 84 100
 49 134.6 107.8 161.6
 51 41.1 32.8 49.2
 86 65.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.250 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

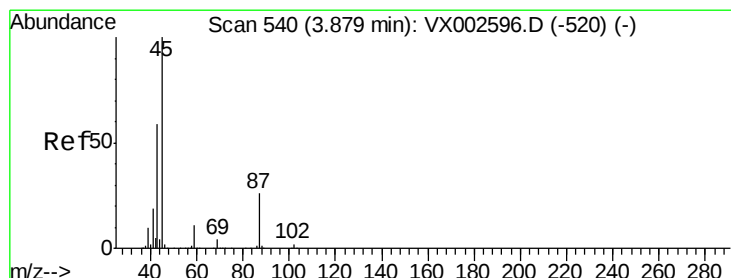
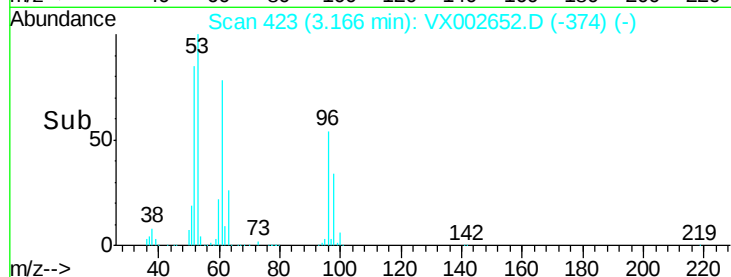
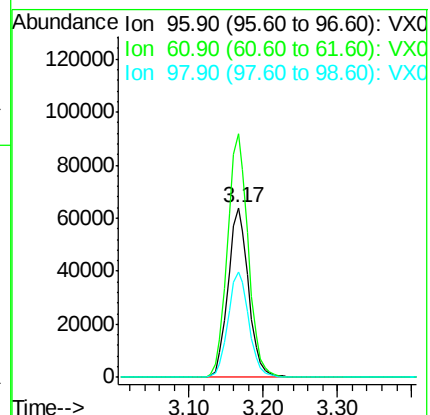
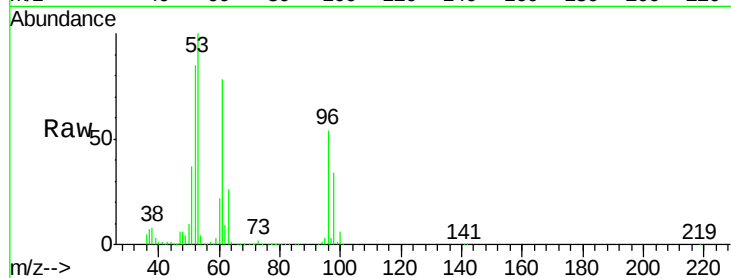
Tot Ion: 96 Resp: 122611

Ion Ratio Lower Upper

96 100

61 143.2 117.0 175.4

98 62.2 52.4 78.6



#22

Diisopropyl ether

Concen: 45.567 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Tgt Ion: 45 Resp: 408844

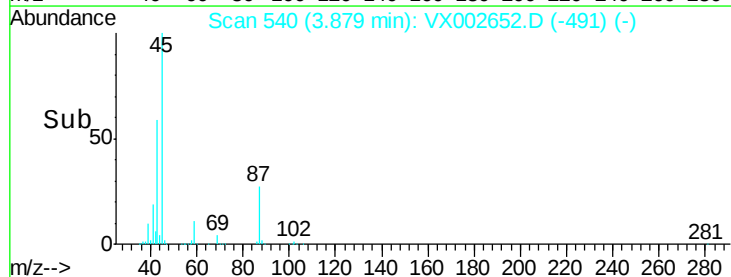
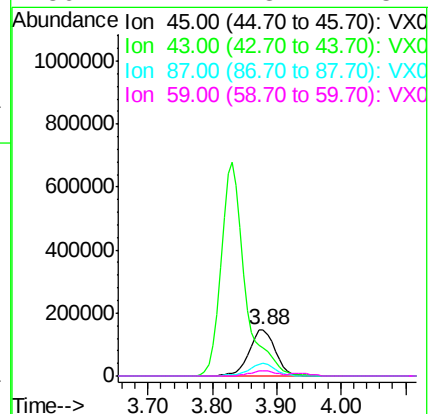
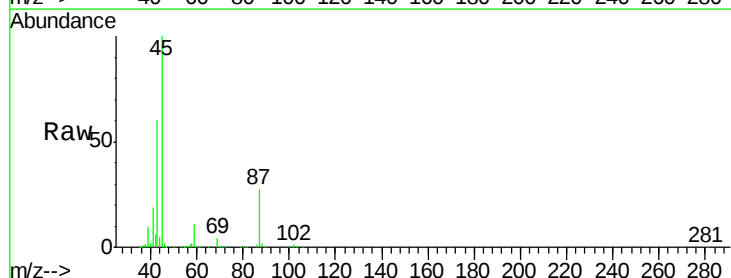
Ion Ratio Lower Upper

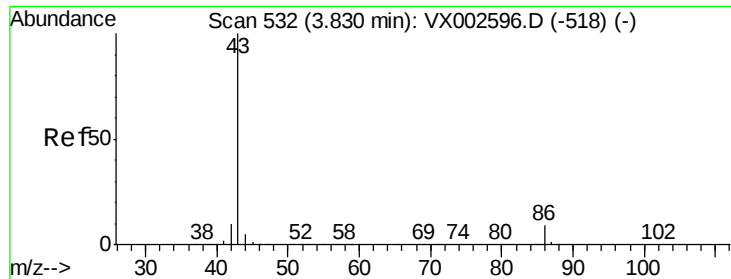
45 100

43 59.3 46.8 70.2

87 26.7 20.2 30.4

59 11.4 8.7 13.1





#23

Vinyl Acetate

Concen: 234.949 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

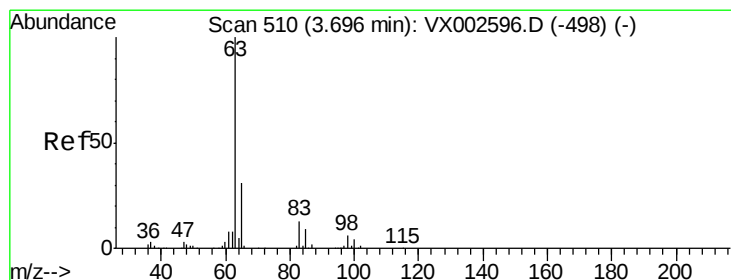
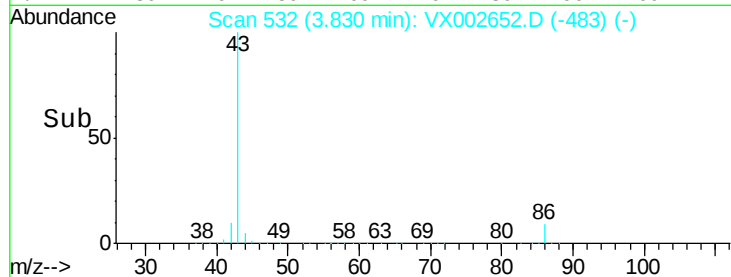
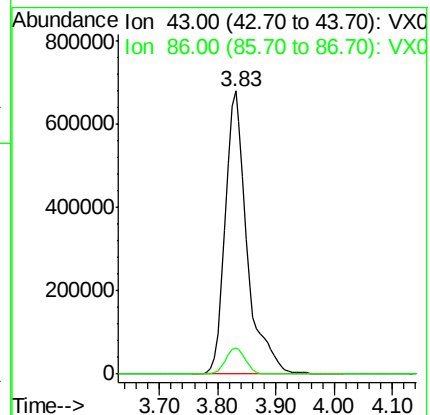
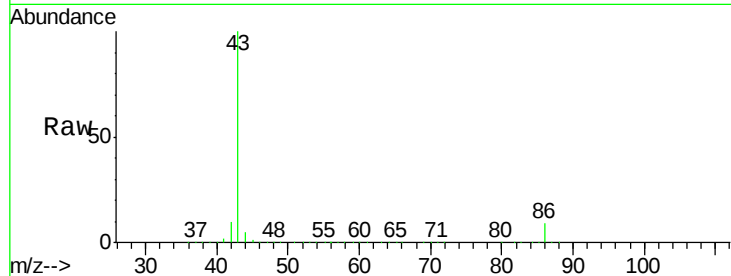
VSTDCCC050

Tot Ion: 43 Resp: 1764361

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.0



#24

1,1-Dichloroethane

Concen: 49.991 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

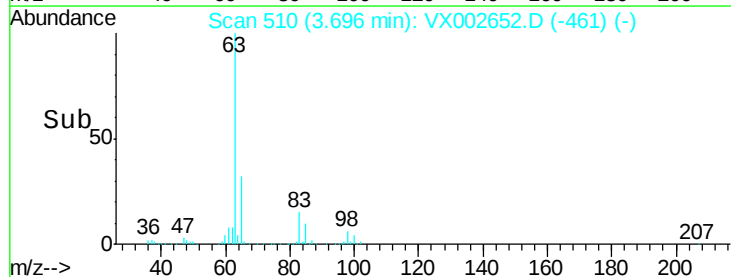
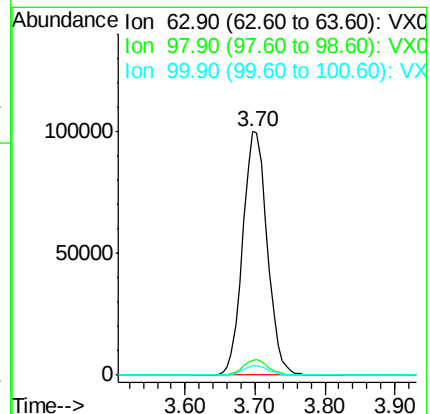
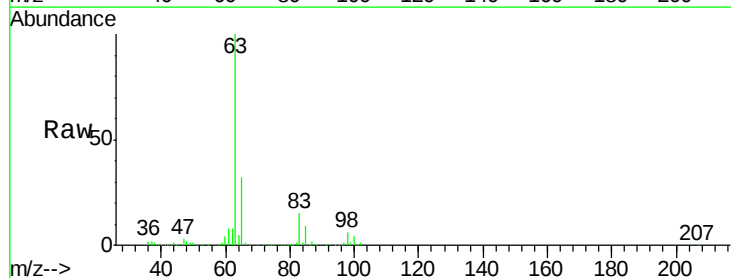
Tgt Ion: 63 Resp: 243444

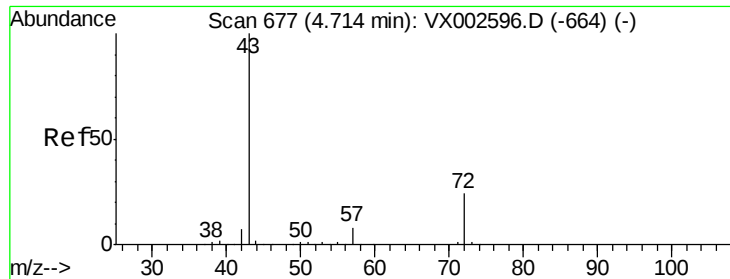
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 251.466 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

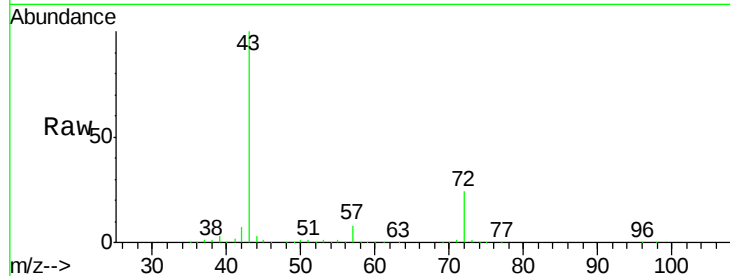
VSTDCCC050

Tot Ion: 43 Resp: 494919

Ion Ratio Lower Upper

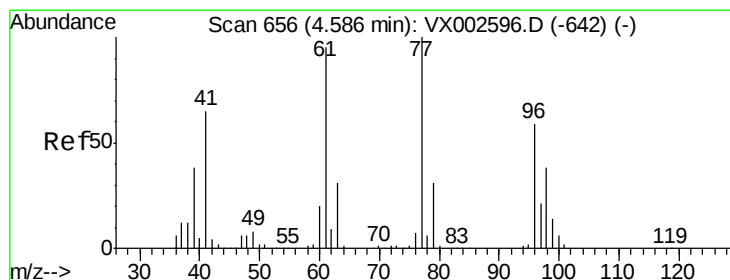
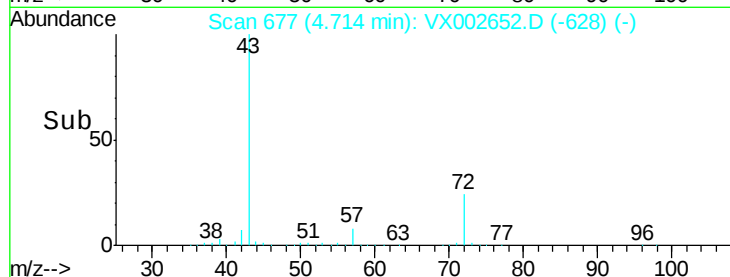
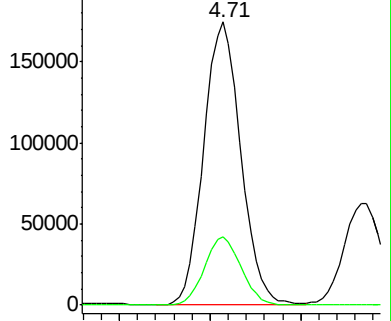
43 100

72 24.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.146 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002652.D

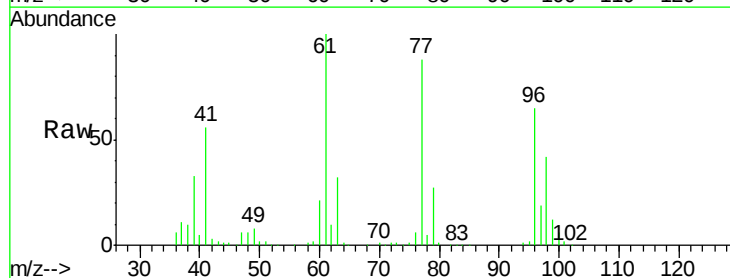
Acq: 16 Jun 2018 17:39

Tgt Ion: 77 Resp: 171968

Ion Ratio Lower Upper

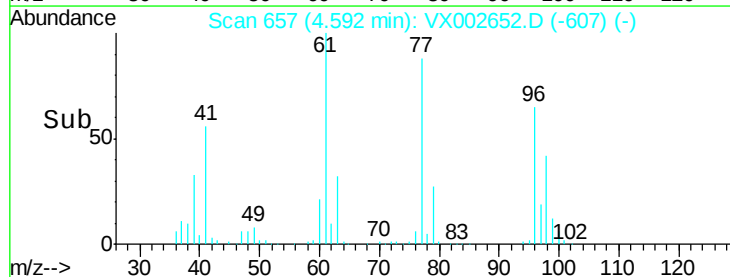
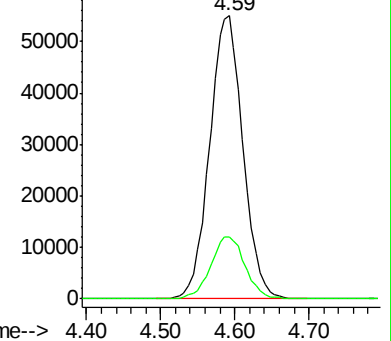
77 100

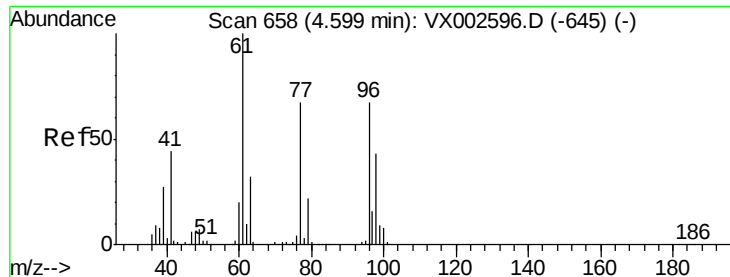
97 22.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



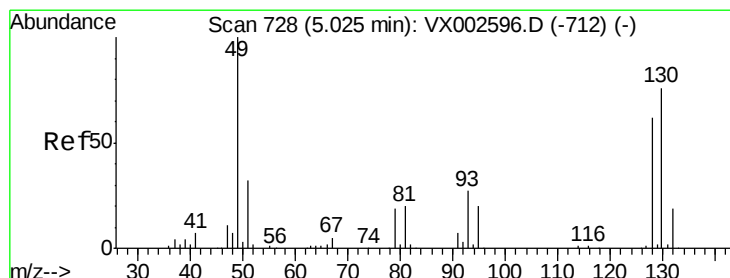
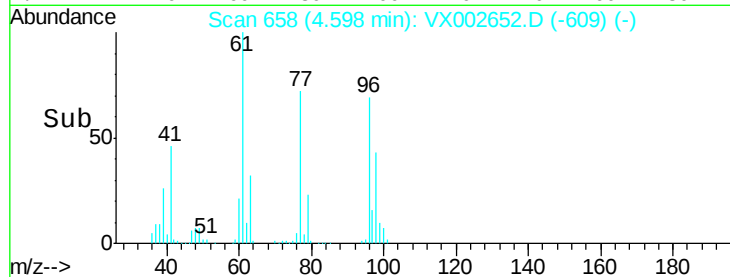
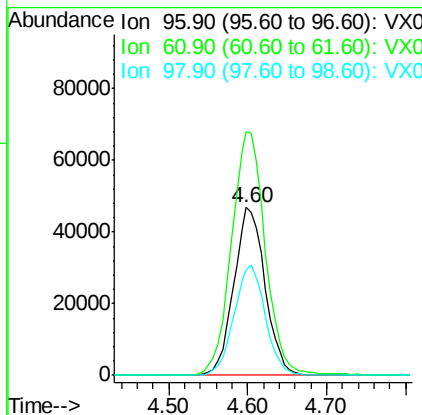
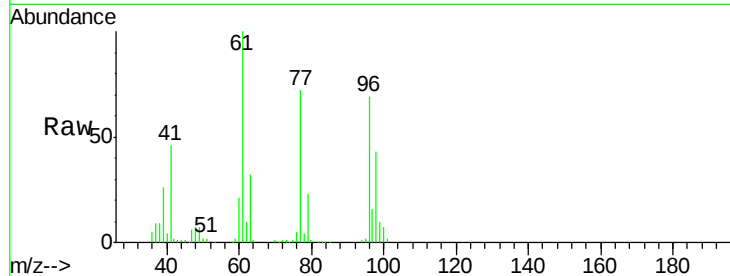


#27

cis-1,2-Dichloroethene
 Concen: 46.891 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

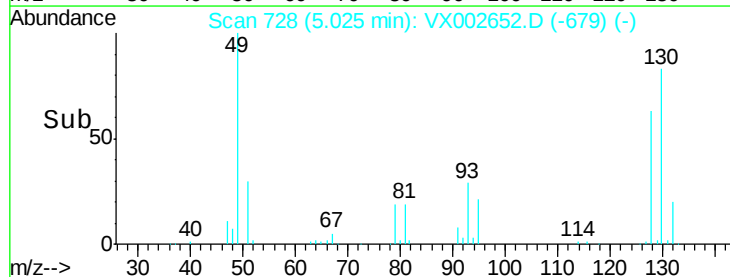
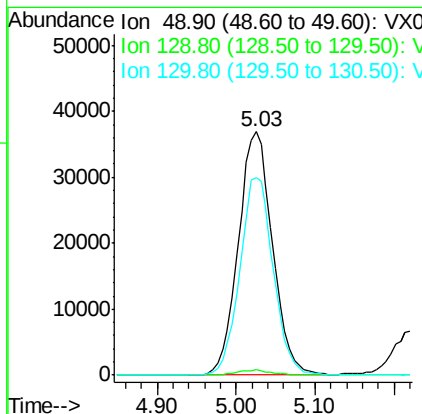
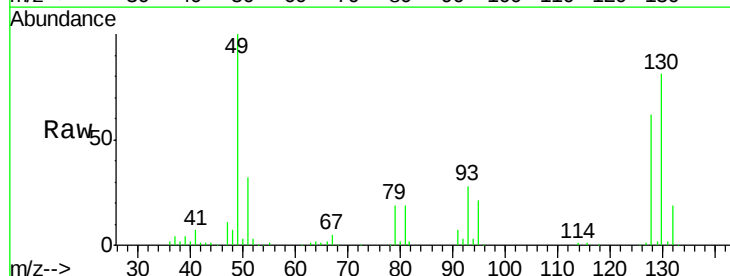
Tot Ion	96	Resp	129279
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	330.2
98	65.6	0.0	130.2

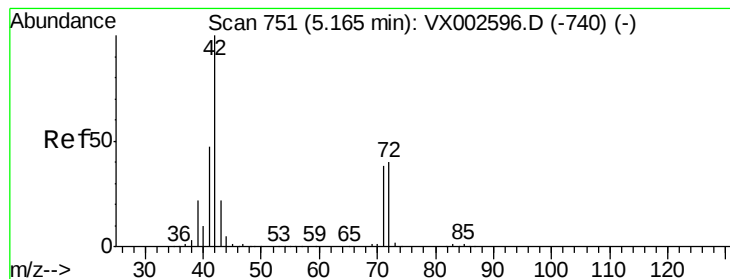


#28

Bromochloromethane
 Concen: 48.652 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion	49	Resp	110954
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	79.4	61.2	91.8





#29

Tetrahydrofuran

Concen: 239.260 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

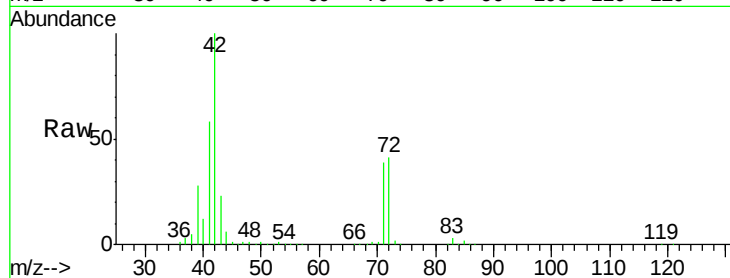
Tot Ion: 42 Resp: 308616

Ion Ratio Lower Upper

42 100

72 41.2 32.0 48.0

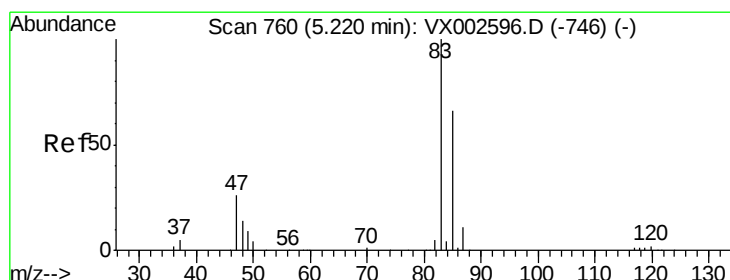
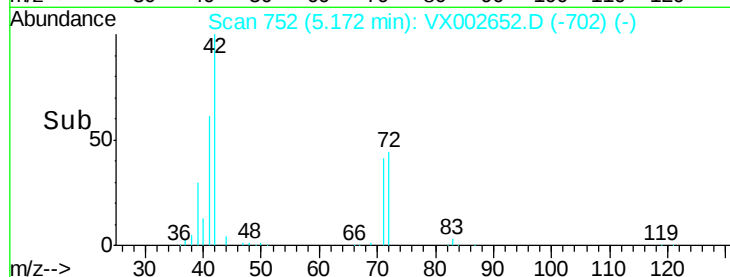
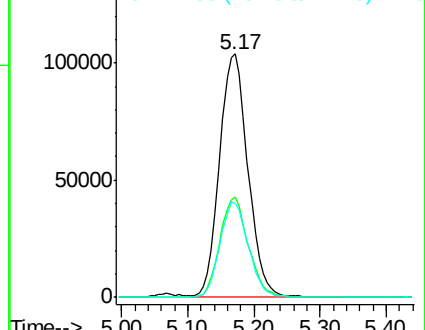
71 39.1 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.894 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002652.D

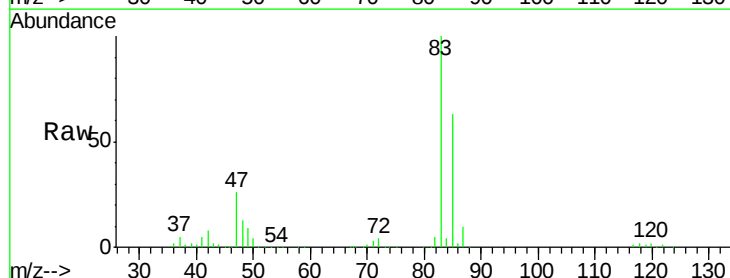
Acq: 16 Jun 2018 17:39

Tgt Ion: 83 Resp: 229606

Ion Ratio Lower Upper

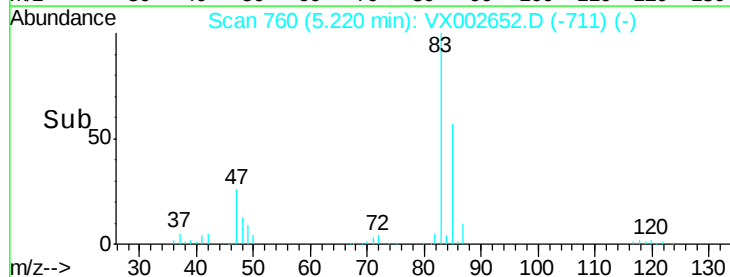
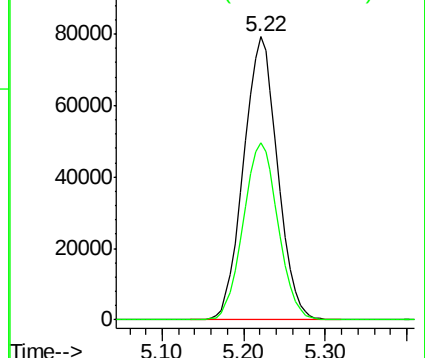
83 100

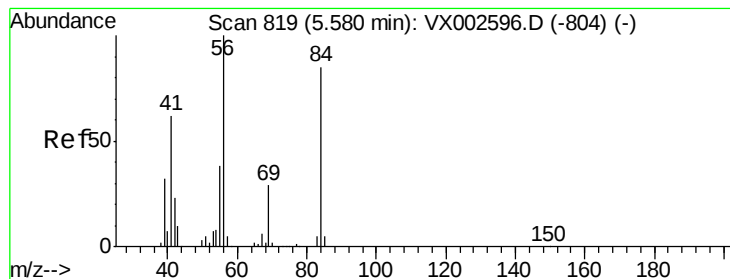
85 62.6 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 47.888 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

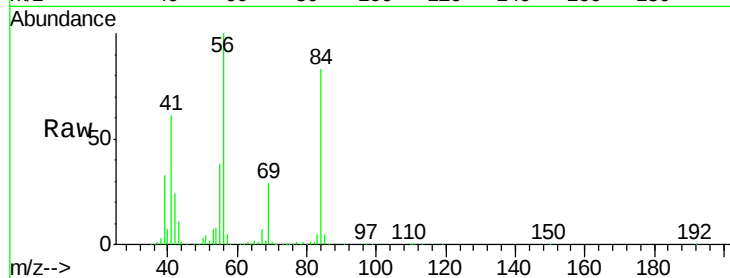
Tot Ion: 56 Resp: 192006

Ion Ratio Lower Upper

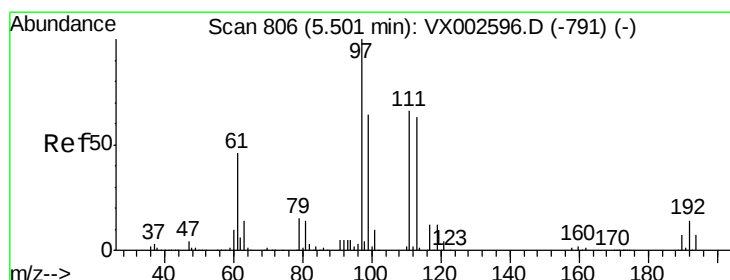
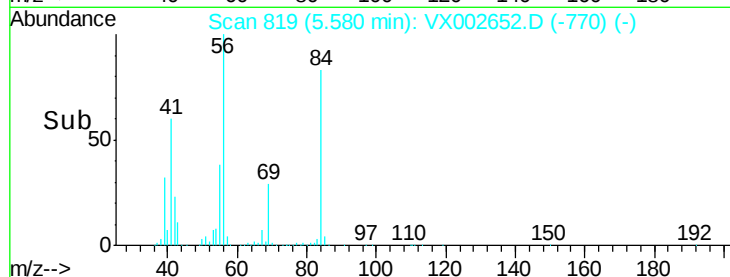
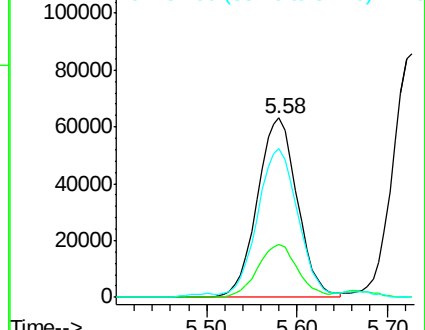
56 100

69 29.4 23.7 35.5

84 81.9 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: 50.508 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

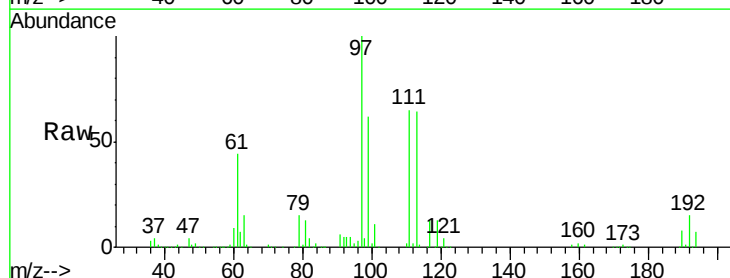
Tgt Ion: 97 Resp: 198373

Ion Ratio Lower Upper

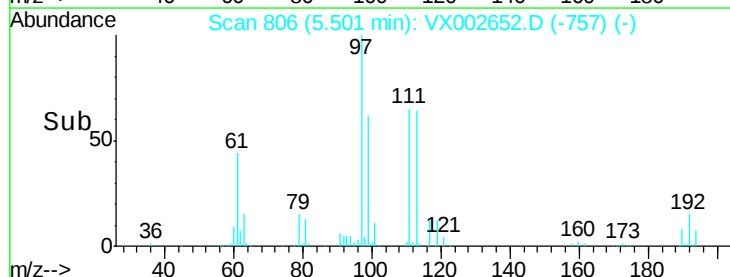
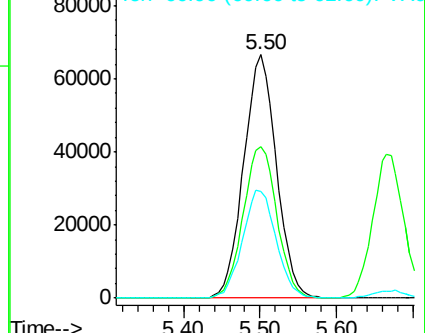
97 100

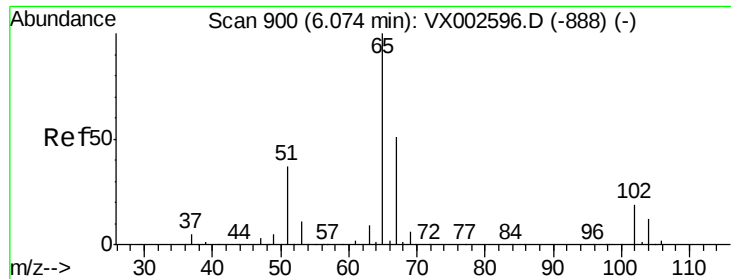
99 64.2 51.6 77.4

61 45.6 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

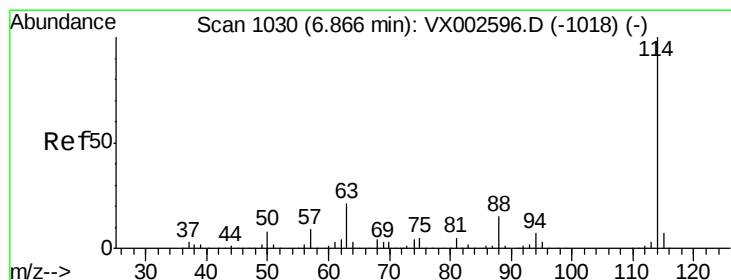
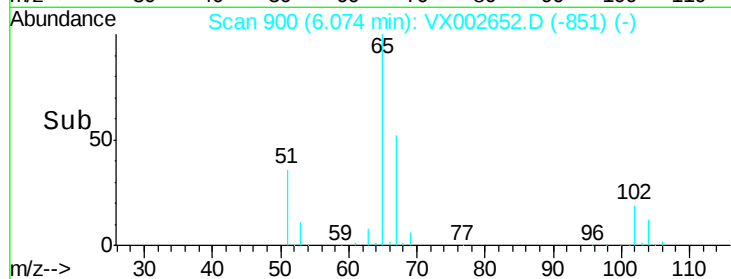
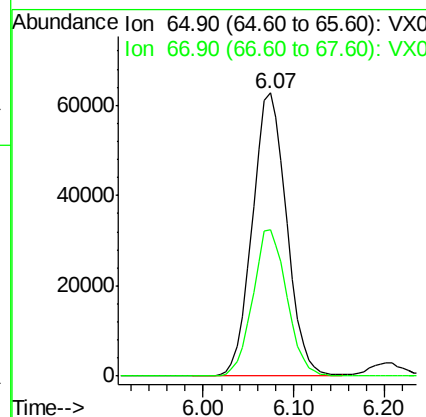
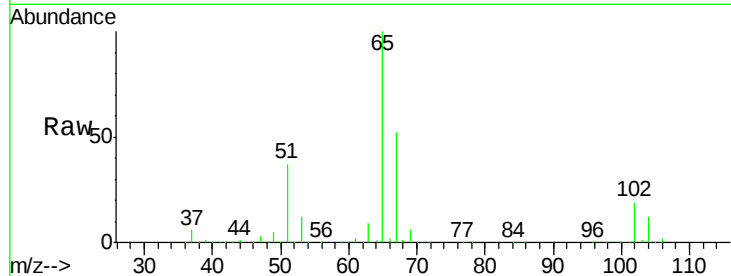




#33
 1,2-Dichloroethane-d4
 Concen: 48.152 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

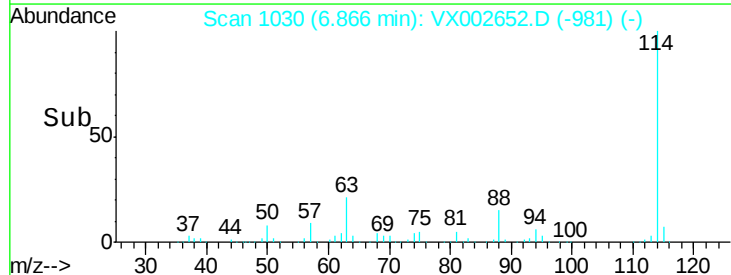
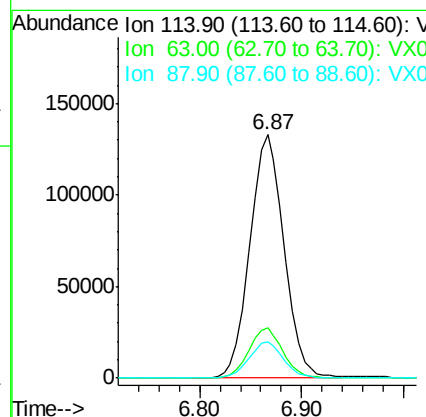
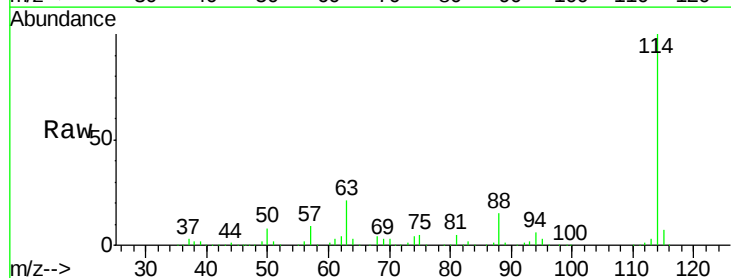
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

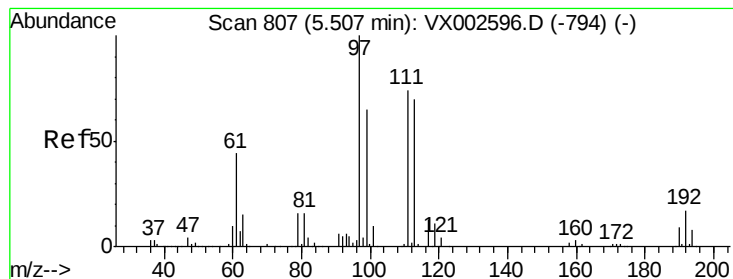
Tot Ion: 65 Resp: 163567
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion: 114 Resp: 310377
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.4
 88 14.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.921 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

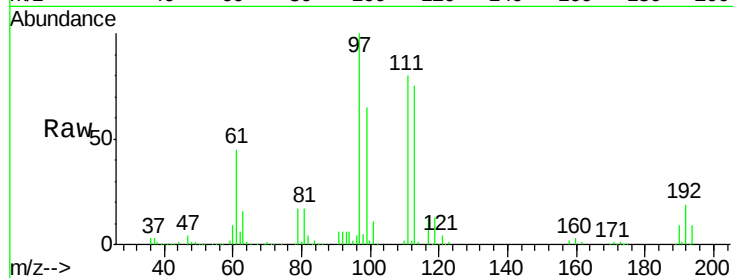
Tot Ion:113 Resp: 131092

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

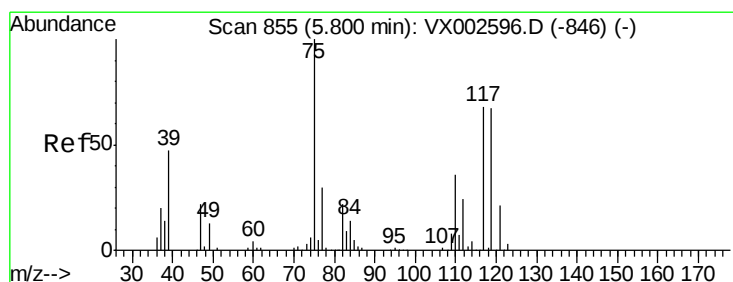
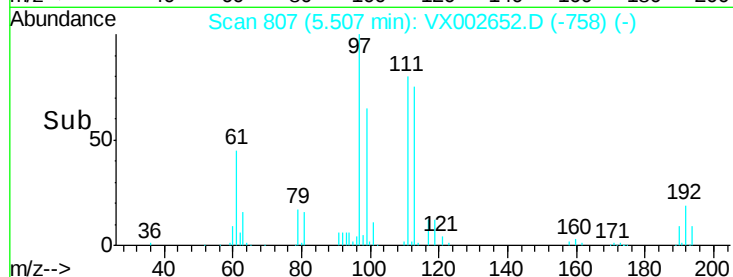
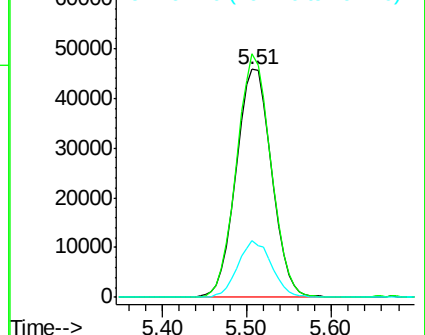
192 23.6 19.1 28.7



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: 49.623 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

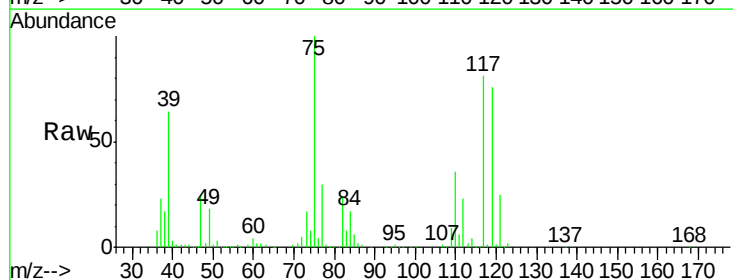
Tgt Ion: 75 Resp: 163577

Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.4

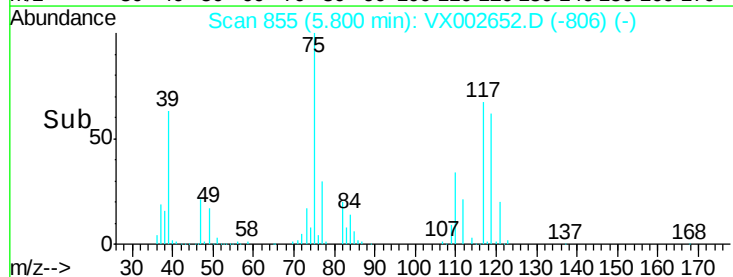
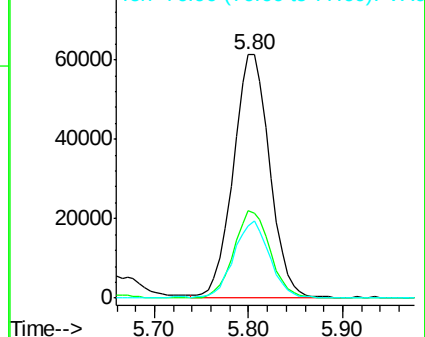
77 31.7 24.3 36.5

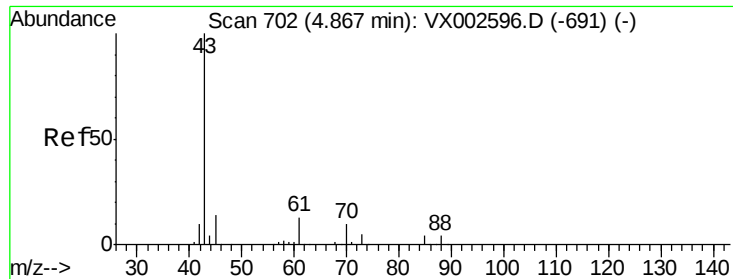


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

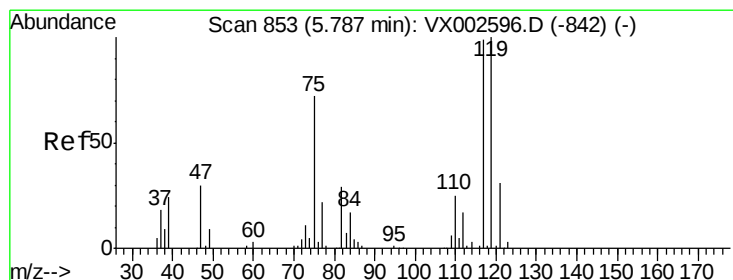
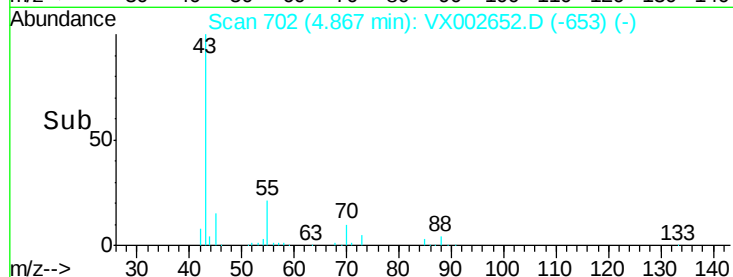
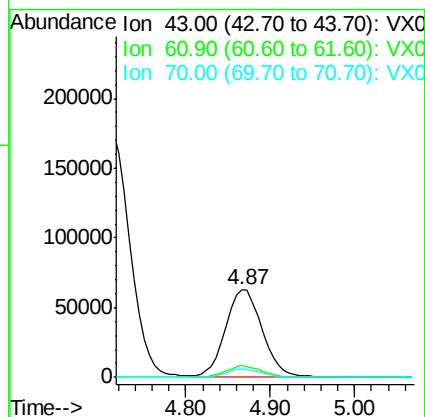
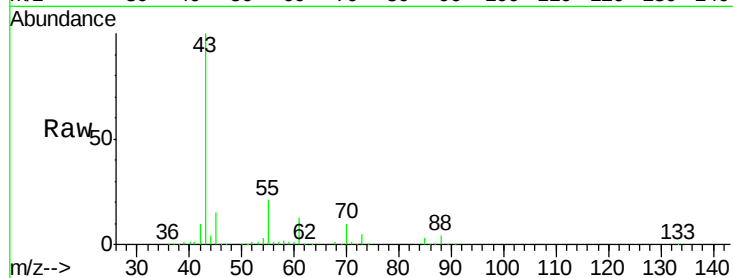




#37
Ethyl Acetate
Concen: 49.691 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

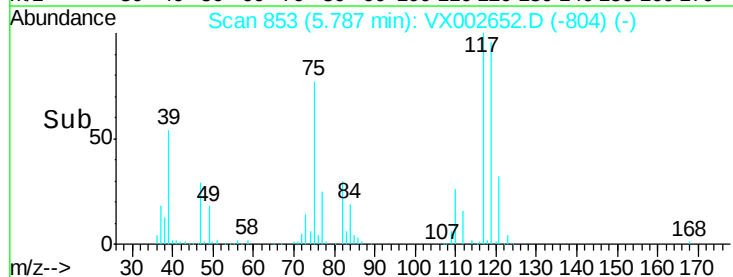
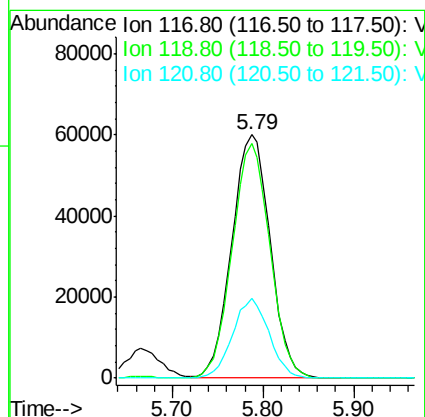
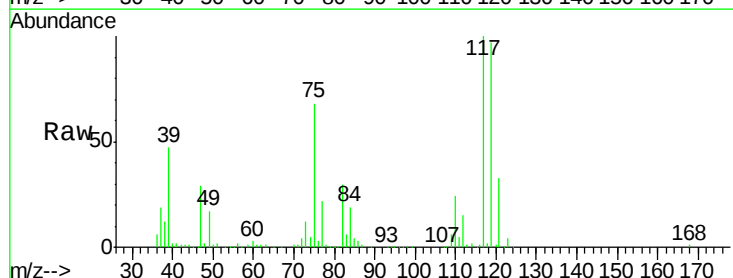
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

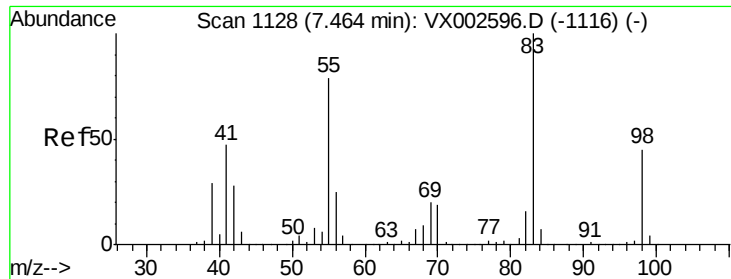
Tot Ion: 43 Resp: 185399
Ion Ratio Lower Upper
43 100
61 12.2 10.4 15.6
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 53.664 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion: 117 Resp: 176150
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
121 32.6 24.4 36.6

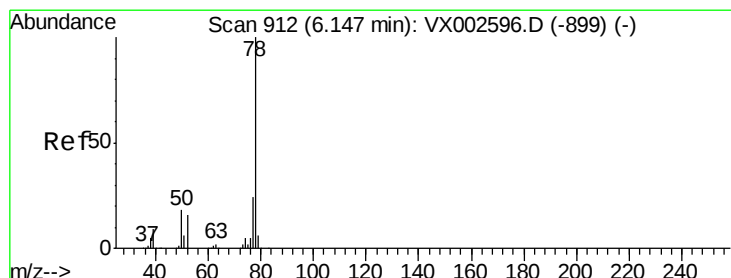
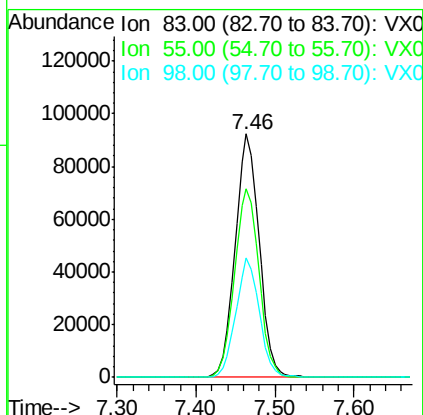
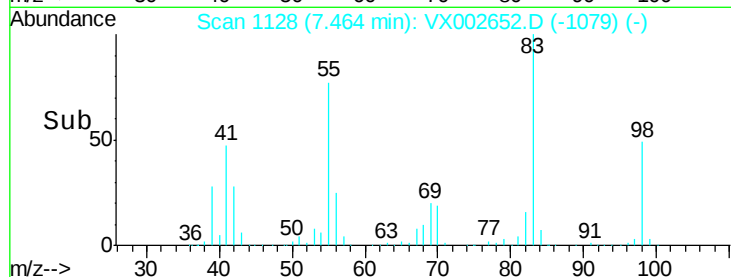
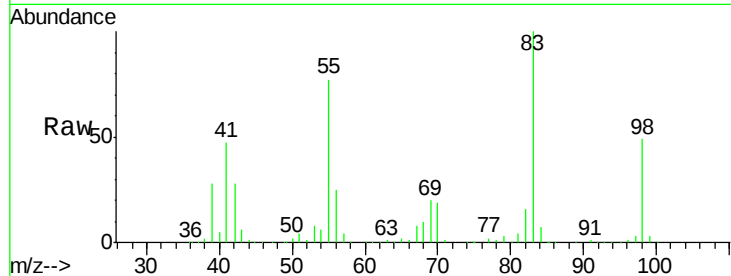




#39
Methvlcvclohexane
Concen: 50.870 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

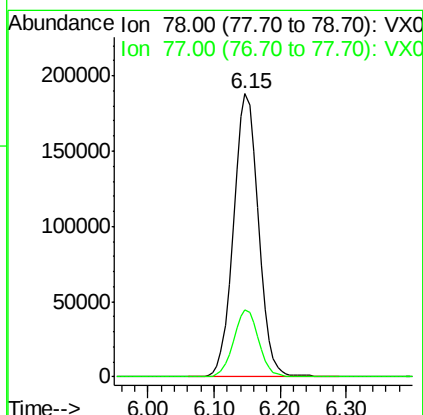
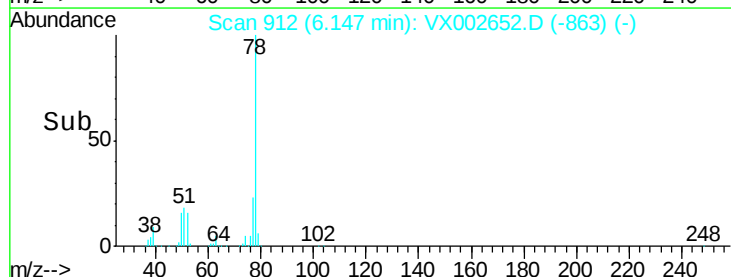
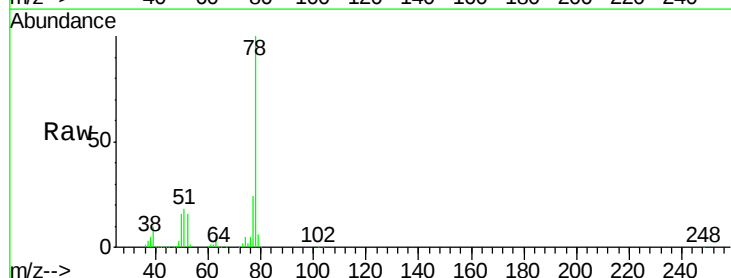
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

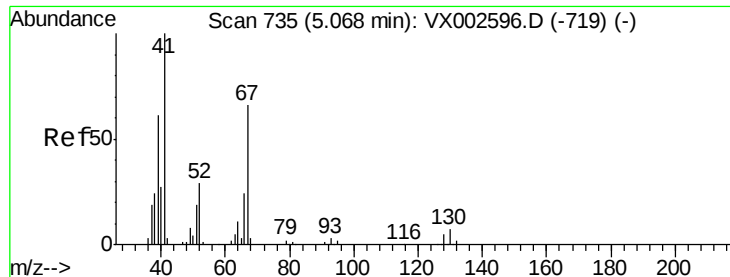
Tot Ion: 83 Resp: 196031
Ion Ratio Lower Upper
83 100
55 77.4 65.4 98.0
98 48.9 37.4 56.0



#40
Benzene
Concen: 49.728 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion: 78 Resp: 491524
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

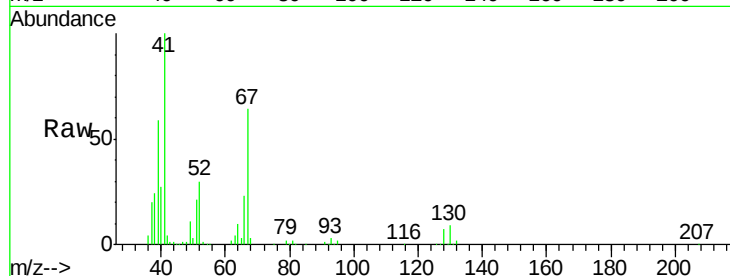




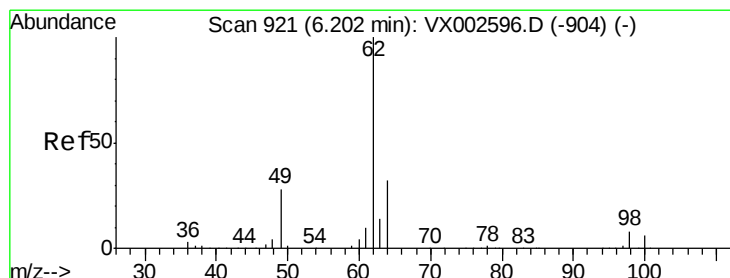
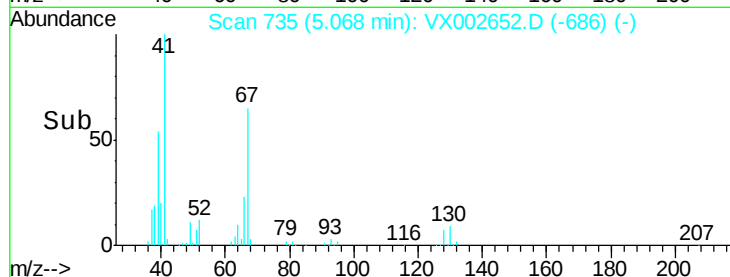
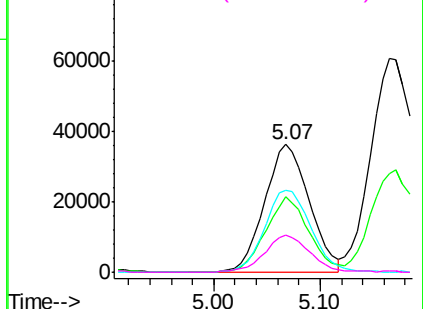
#41
Methacrylonitrile
Concen: 50.085 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	105511
Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.8	68.6
67	66.5	51.3	76.9
52	29.3	23.0	34.6

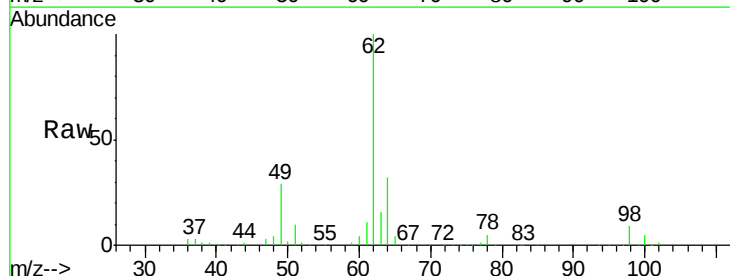


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

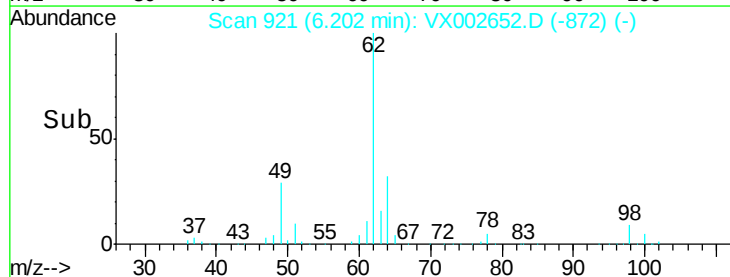
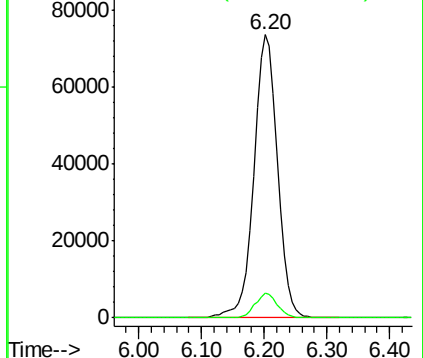


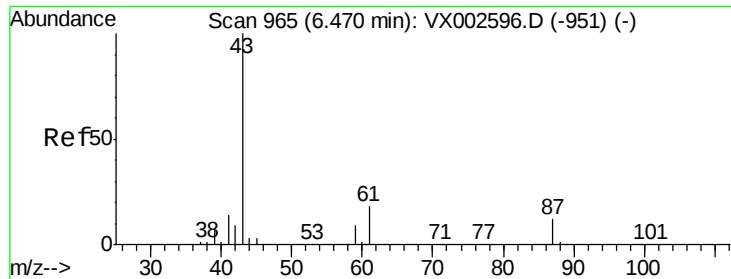
#42
1,2-Dichloroethane
Concen: 50.076 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion:	62	Resp:	191629
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6



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



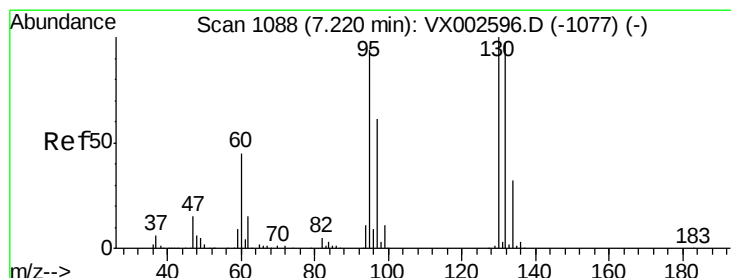
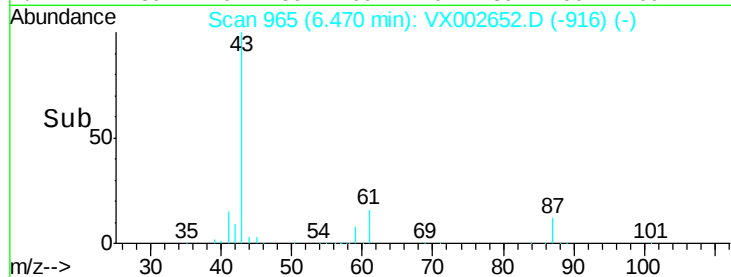
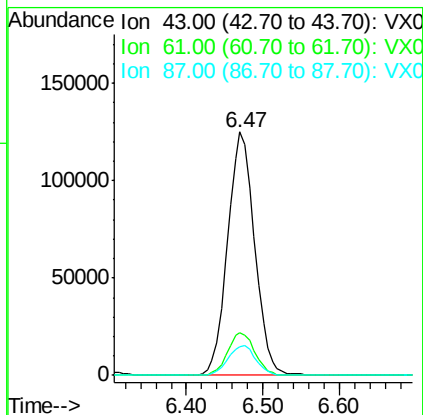
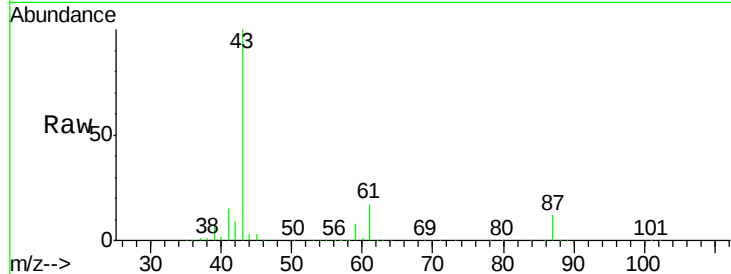


#43

Isopropyl Acetate
 Concen: 49.208 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

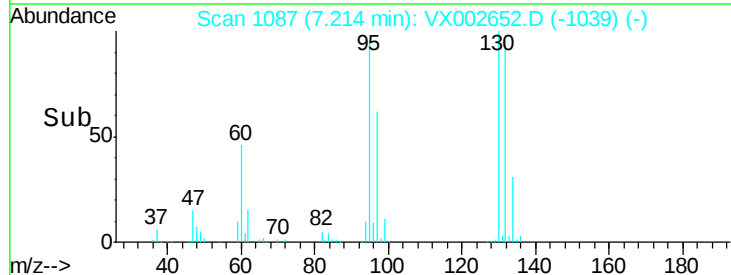
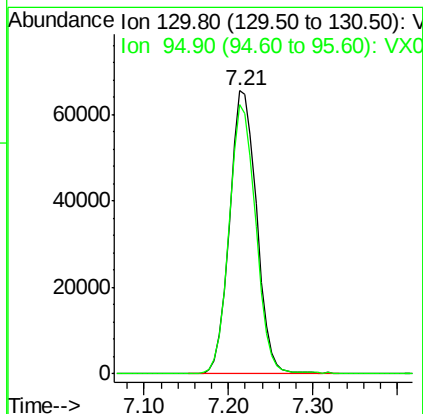
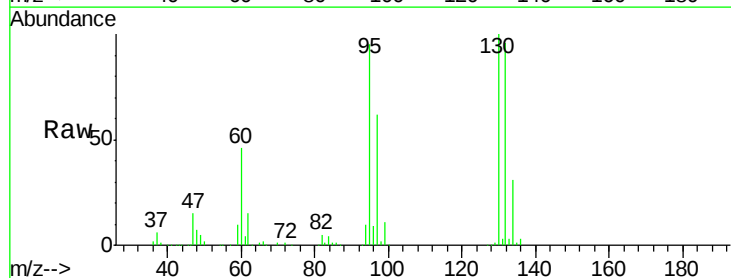
Tot Ion: 43 Resp: 304185
 Ion Ratio Lower Upper
 43 100
 61 17.8 14.4 21.6
 87 12.4 9.5 14.3



#44

Trichloroethene
 Concen: 50.050 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion:130 Resp: 142787
 Ion Ratio Lower Upper
 130 100
 95 95.3 0.0 185.4

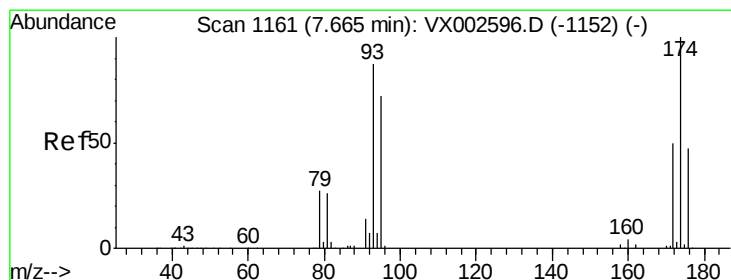
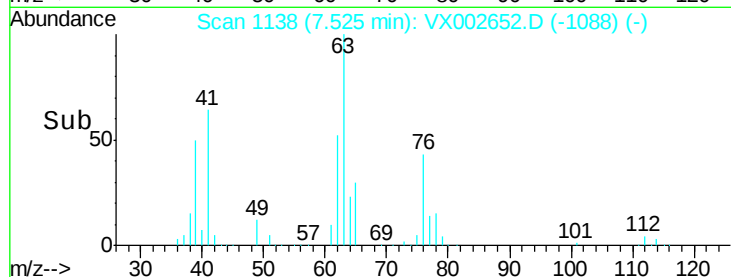
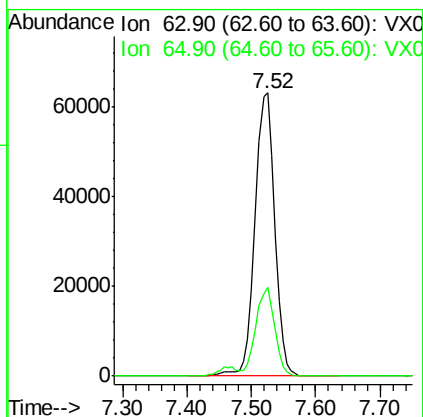
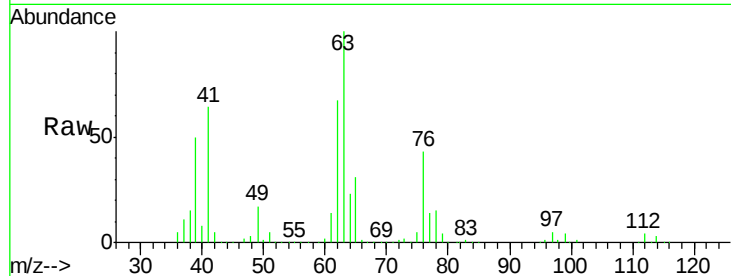




#45
 1,2-Dichloropropane
 Concen: 50.599 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

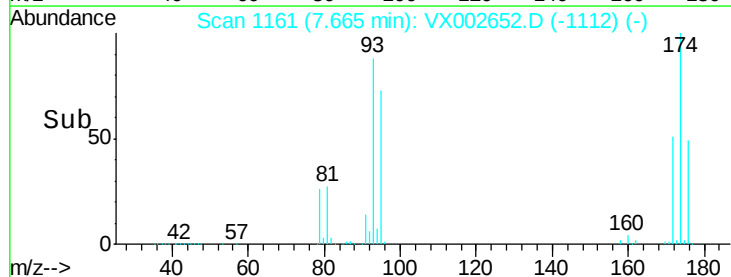
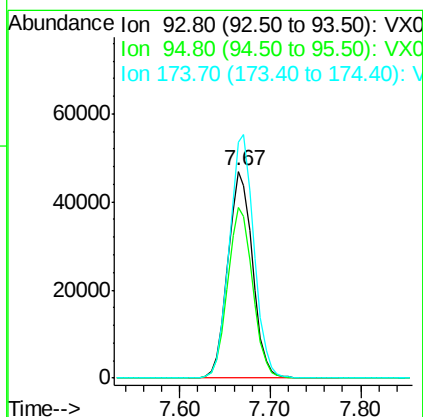
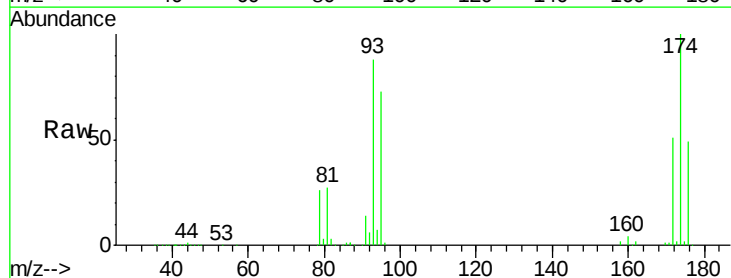
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

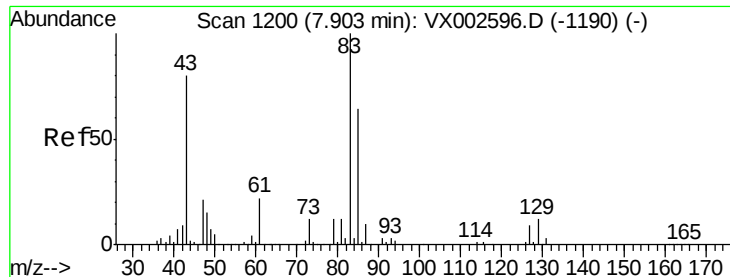
Tot Ion: 63 Resp: 131628
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1



#46
 Dibromomethane
 Concen: 50.947 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion: 93 Resp: 88654
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 117.9 92.4 138.6





#47

Bromodichloromethane

Concen: 53.978 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

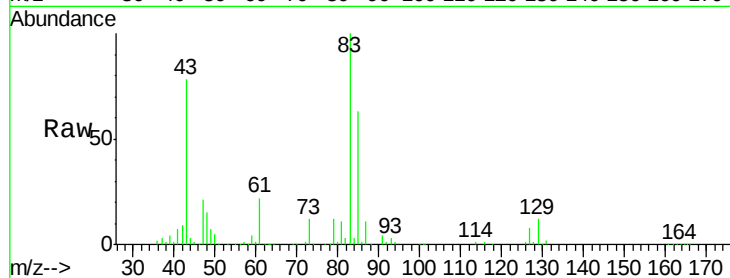
Tot Ion: 83 Resp: 165668

Ion Ratio Lower Upper

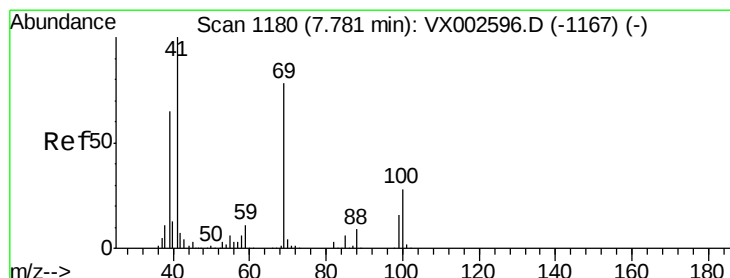
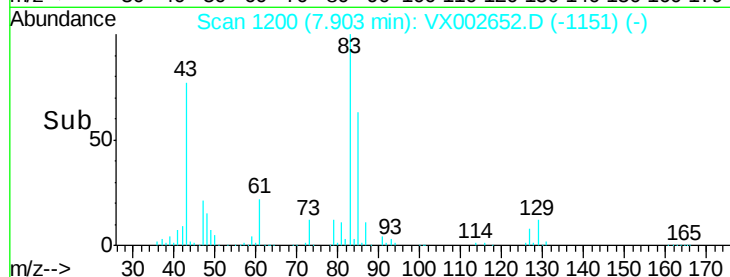
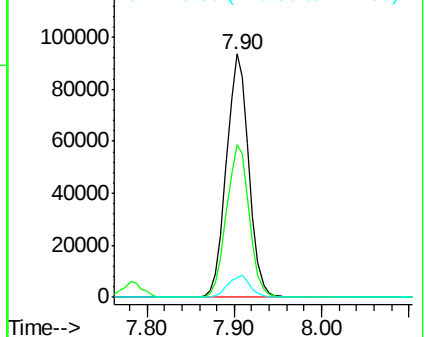
83 100

85 62.7 50.3 75.5

127 8.3 7.0 10.4



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



#48

Methyl methacrylate

Concen: 49.949 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

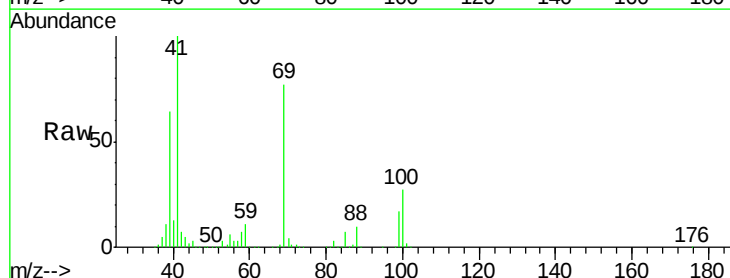
Tgt Ion: 41 Resp: 157788

Ion Ratio Lower Upper

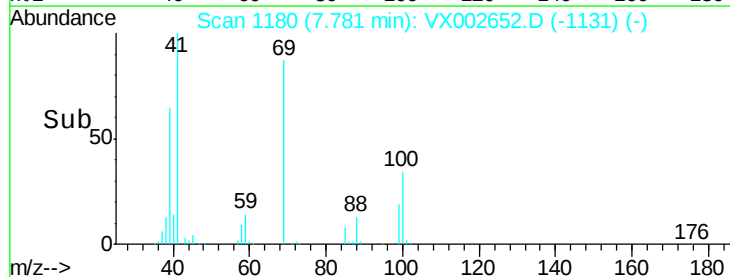
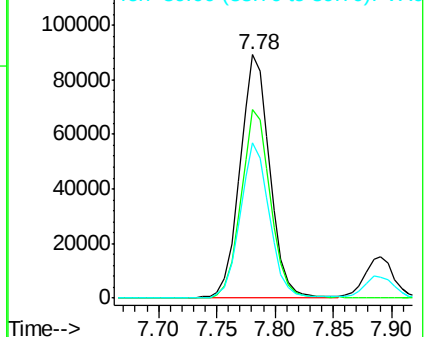
41 100

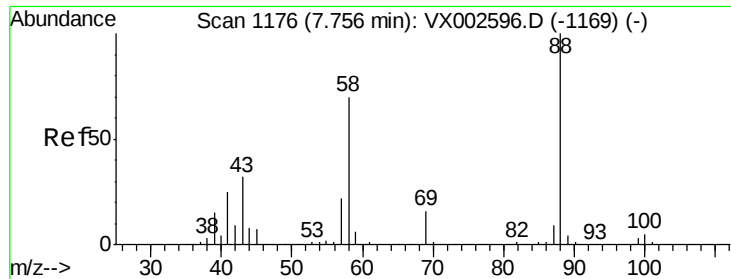
69 76.7 59.1 88.7

39 62.5 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

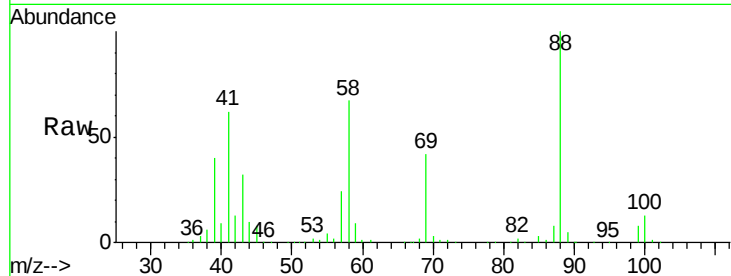




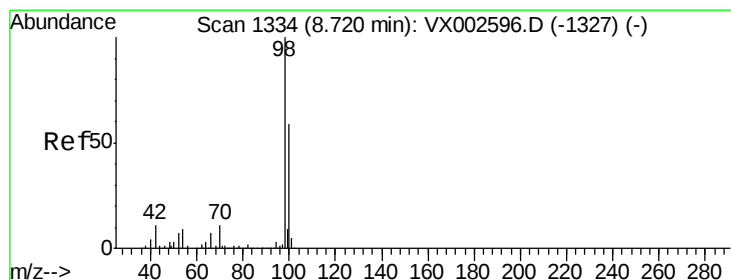
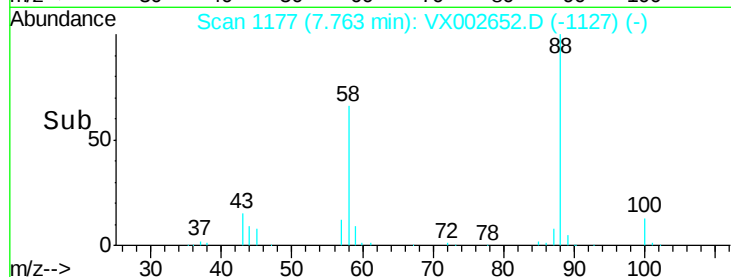
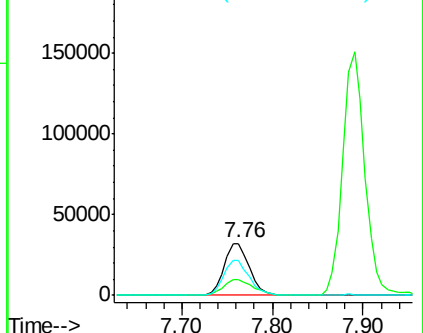
#49
1,4-Dioxane
Concen: 1047.132 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 62642
Ion Ratio Lower Upper
88 100
43 35.2 29.8 44.6
58 68.6 57.1 85.7

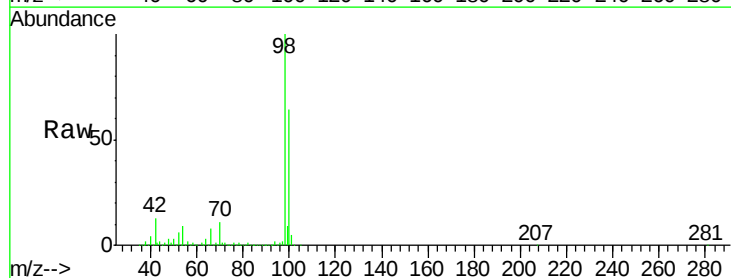


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

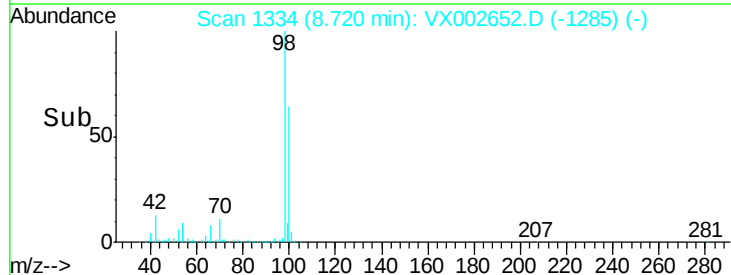
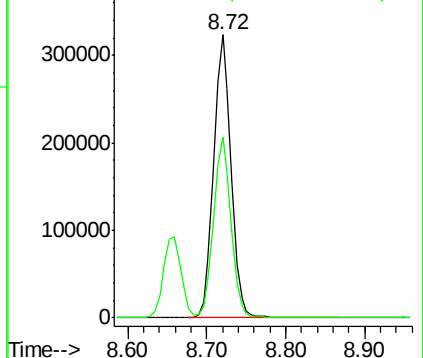


#50
Toluene-d8
Concen: 52.919 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion: 98 Resp: 497730
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

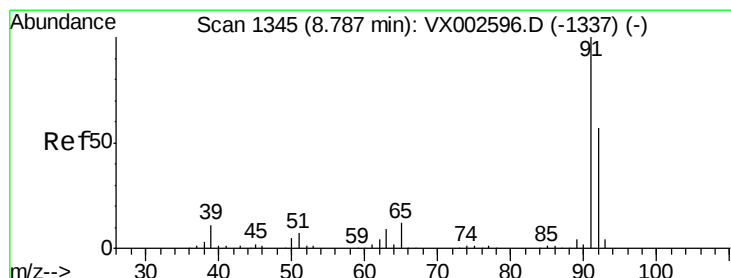
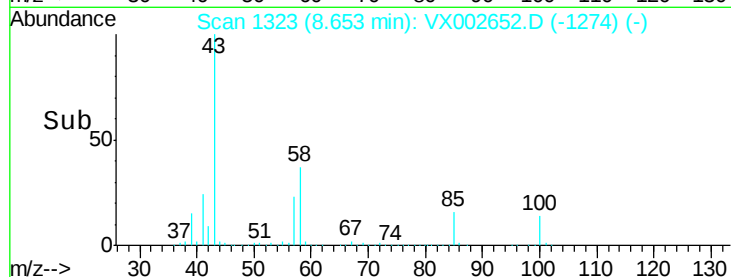
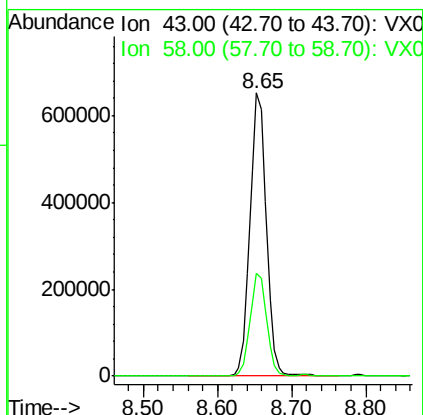
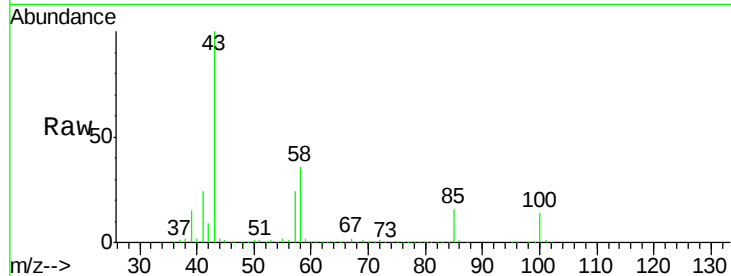




#51
4-Methyl-2-Pentanone
Concen: 255.019 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

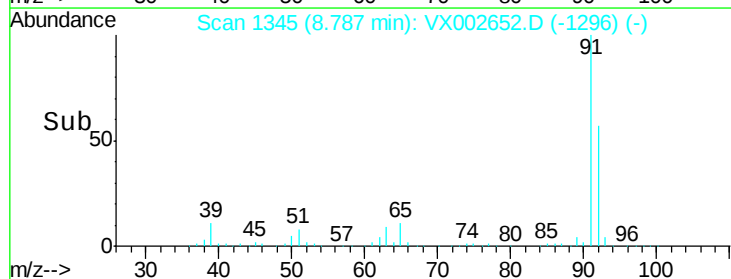
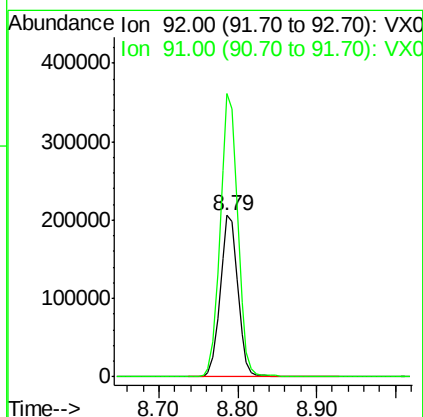
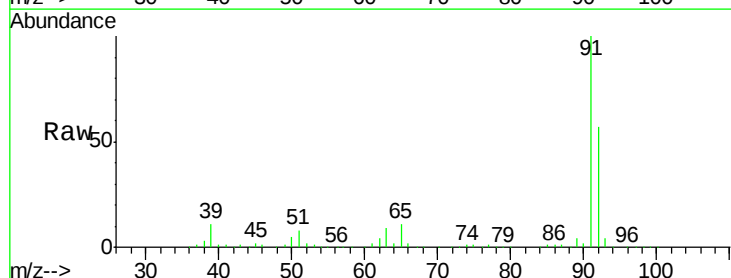
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1012188
Ion Ratio Lower Upper
43 100
58 36.5 28.6 42.8



#52
Toluene
Concen: 50.744 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion: 92 Resp: 319944
Ion Ratio Lower Upper
92 100
91 175.3 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 48.494 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

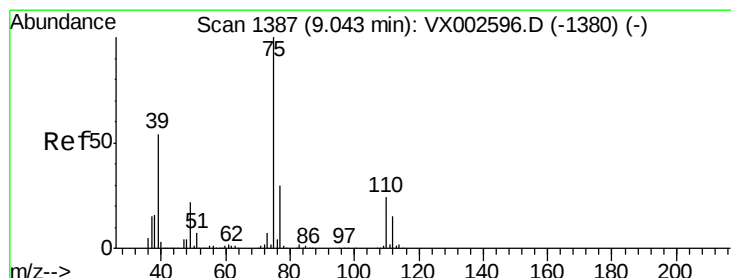
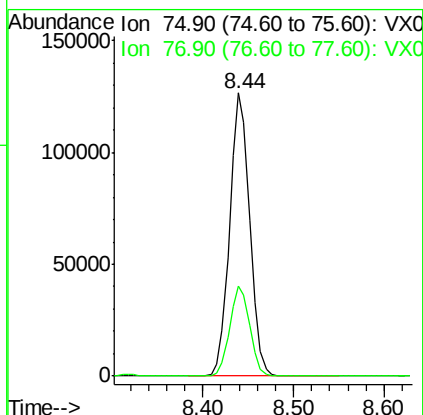
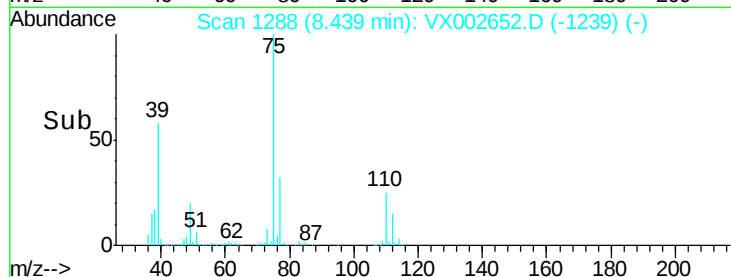
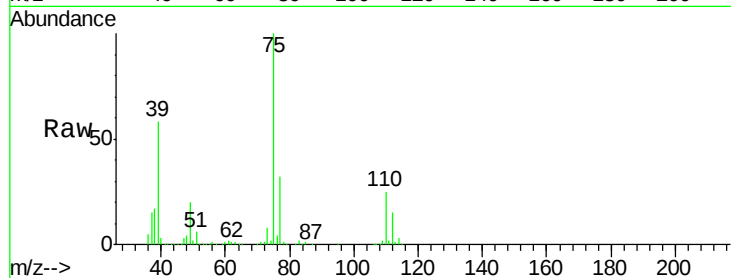
VSTDCCC050

Tot Ion: 75 Resp: 196711

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 46.842 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

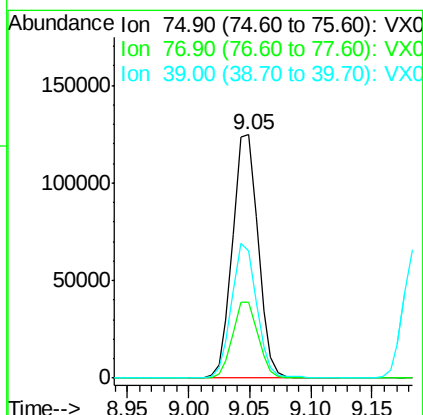
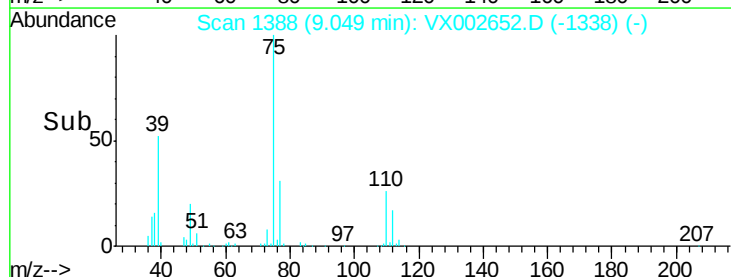
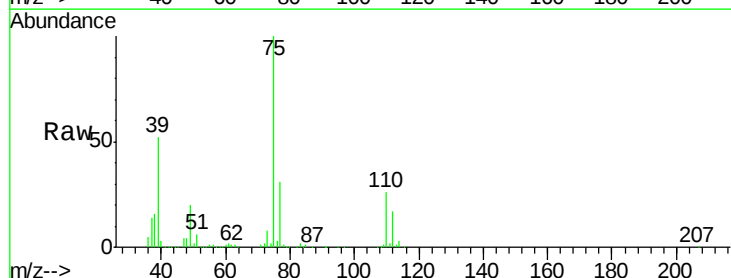
Tgt Ion: 75 Resp: 180699

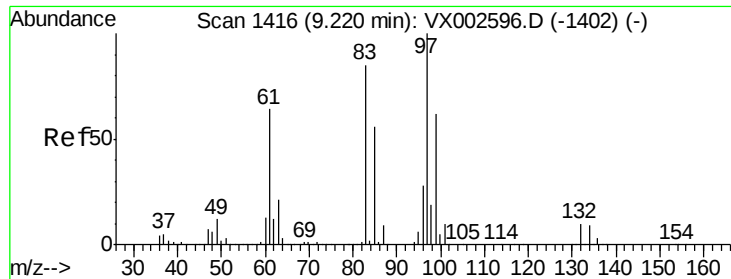
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 51.8 42.4 63.6

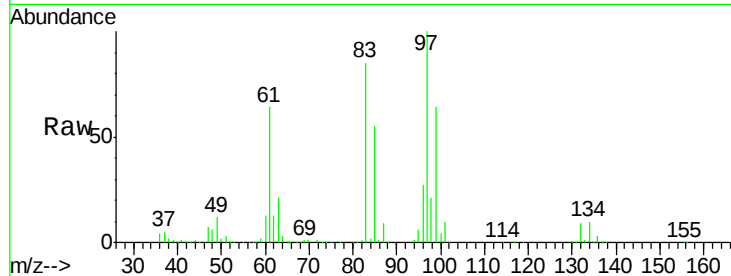




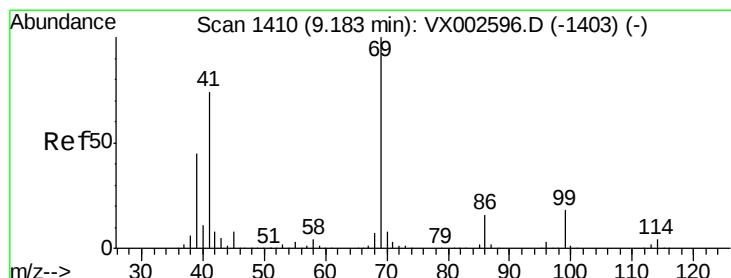
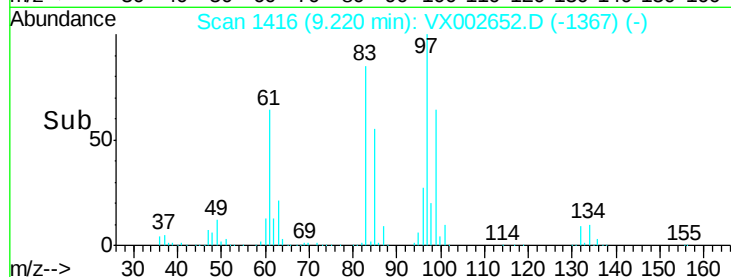
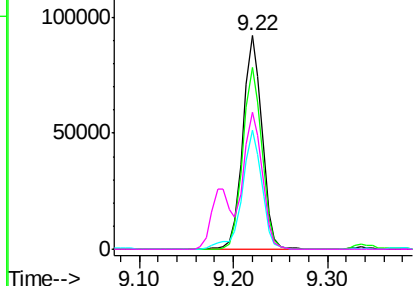
#55
1,1,2-Trichloroethane
Concen: 51.399 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 97 Resp: 130950
Ion Ratio Lower Upper
97 100
83 85.0 70.2 105.2
85 55.5 44.9 67.3
99 64.1 49.8 74.8

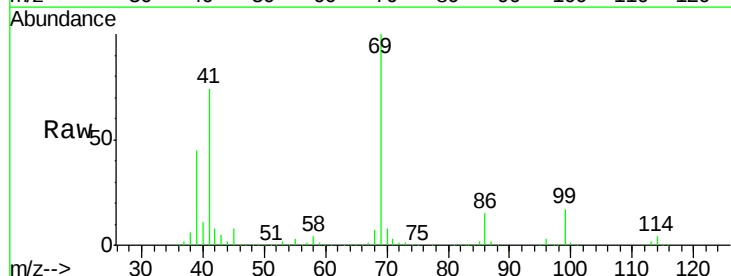


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

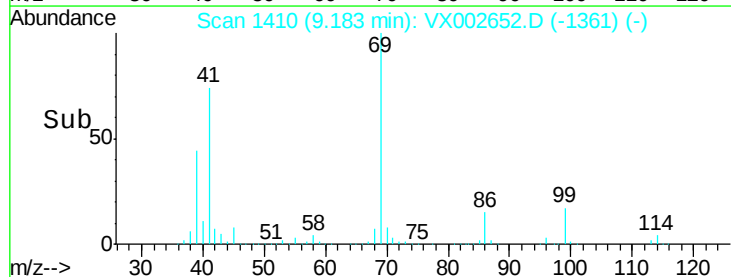
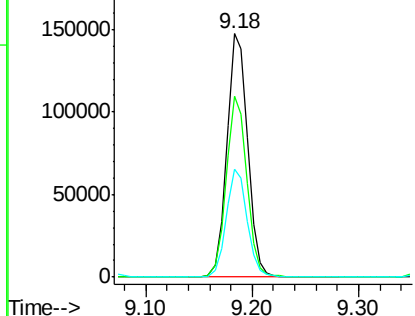


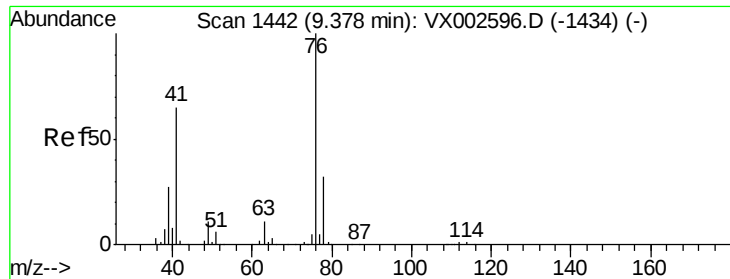
#56
Ethyl methacrylate
Concen: 51.546 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion: 69 Resp: 202096
Ion Ratio Lower Upper
69 100
41 73.5 60.3 90.5
39 44.4 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: 49.762 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

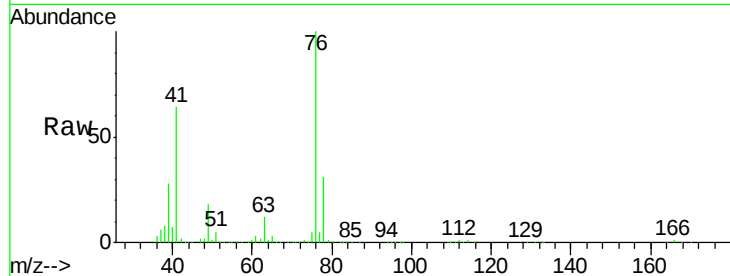
VSTDCCC050

Tot Ion: 76 Resp: 214420

Ion Ratio Lower Upper

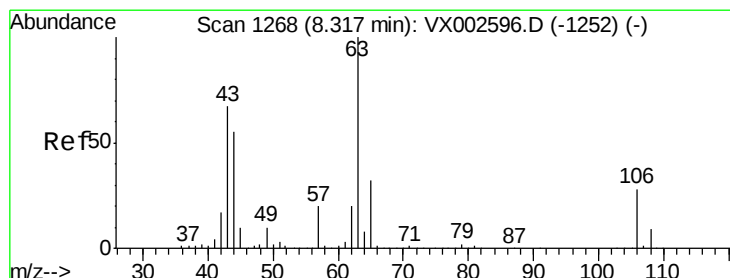
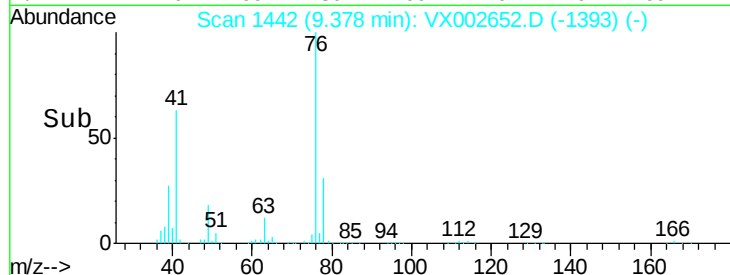
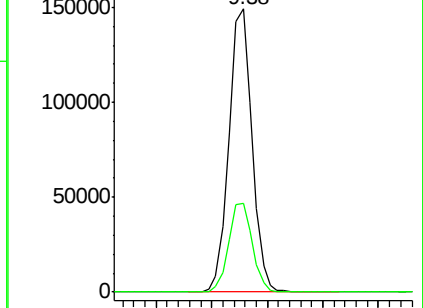
76 100

78 32.2 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: 252.290 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002652.D

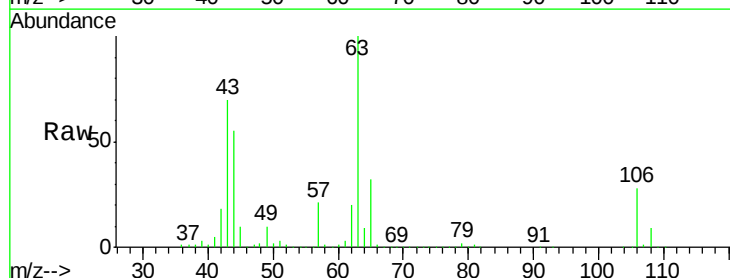
Acq: 16 Jun 2018 17:39

Tgt Ion: 63 Resp: 478427

Ion Ratio Lower Upper

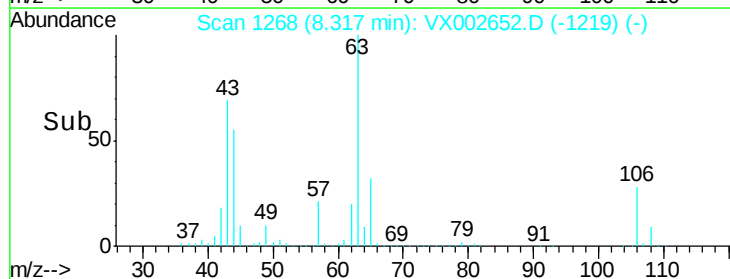
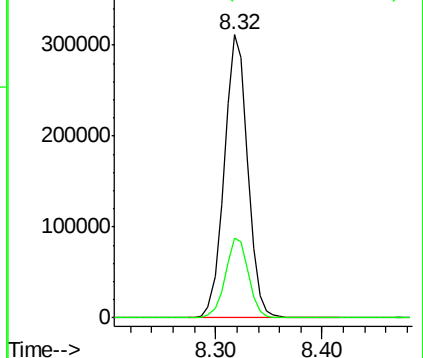
63 100

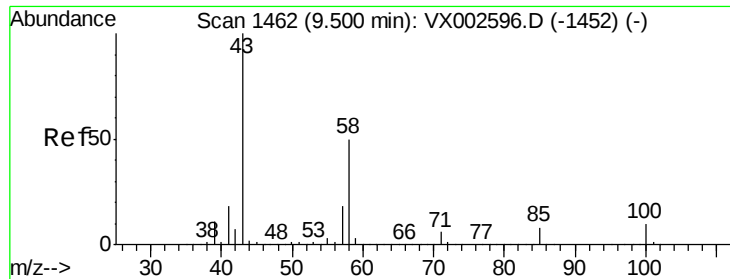
106 28.1 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

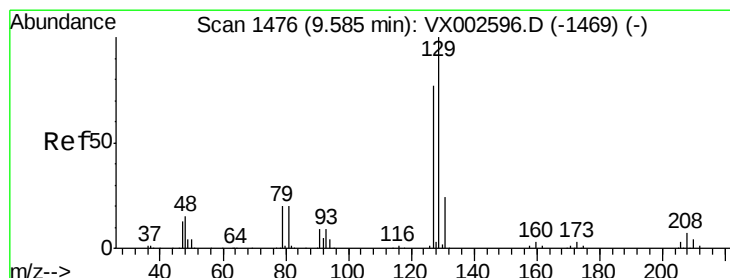
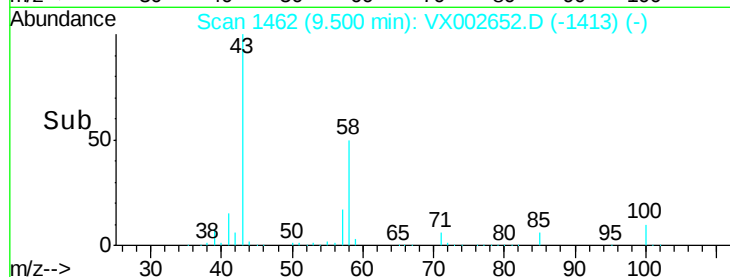
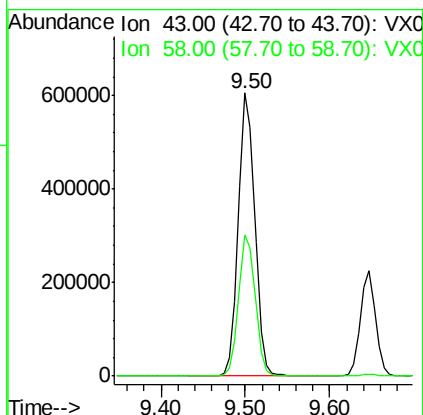
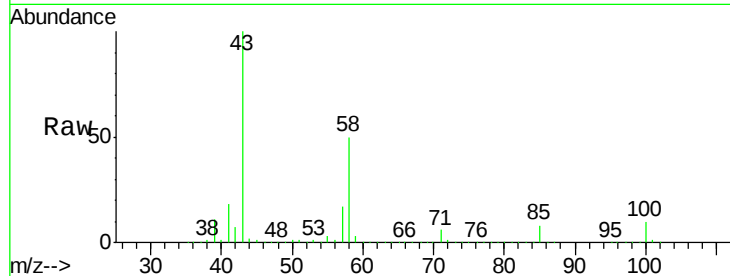




#59
2-Hexanone
Concen: 266.365 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

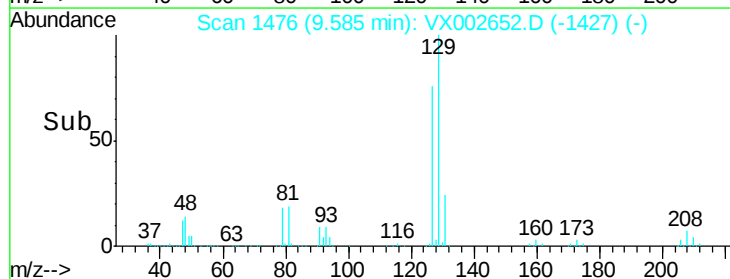
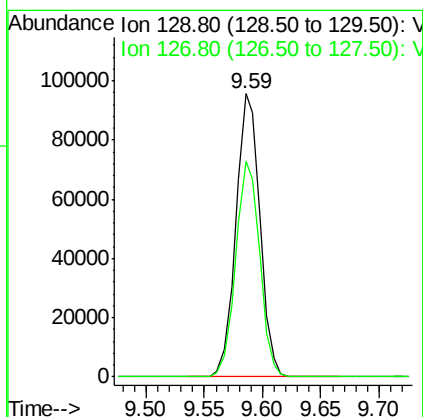
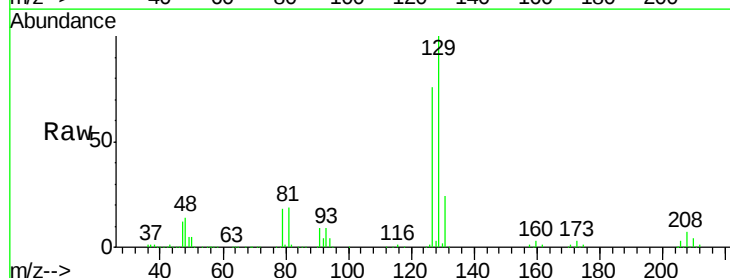
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

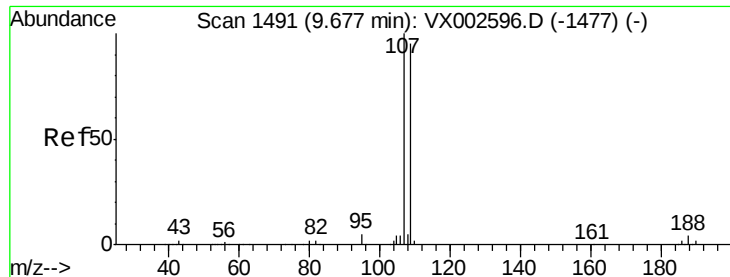
Tot Ion: 43 Resp: 796658
Ion Ratio Lower Upper
43 100
58 50.3 24.6 73.6



#60
Dibromochloromethane
Concen: 48.075 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion: 129 Resp: 137330
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.388 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

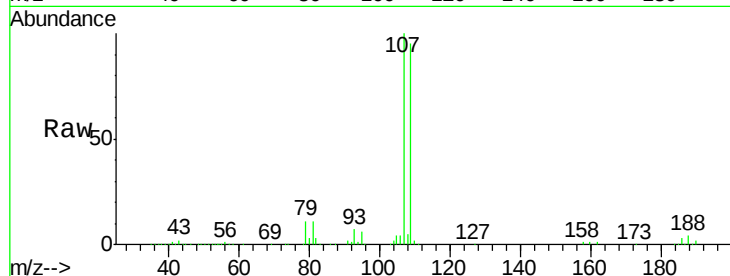
VSTDCCC050

Tot Ion:107 Resp: 138231

Ion Ratio Lower Upper

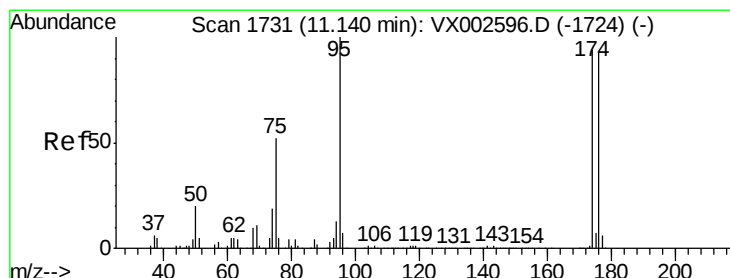
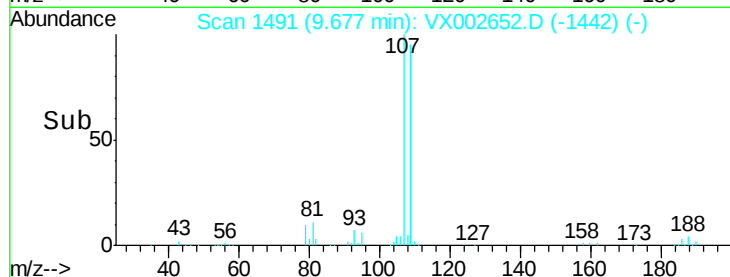
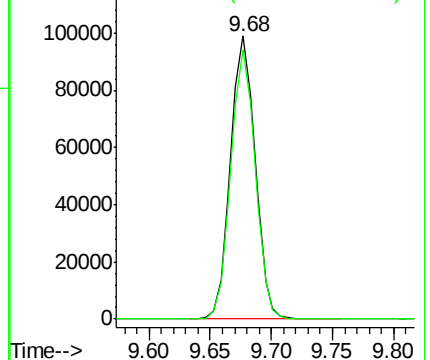
107 100

109 94.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.574 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

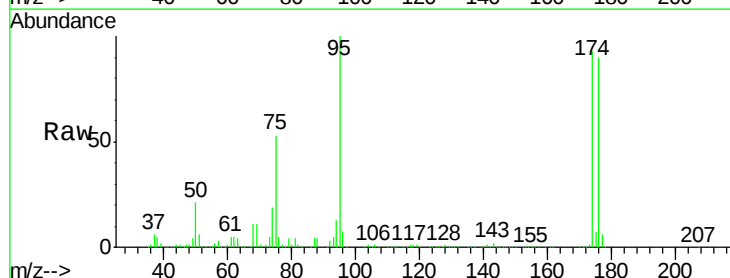
Tgt Ion: 95 Resp: 187376

Ion Ratio Lower Upper

95 100

174 98.5 0.0 187.4

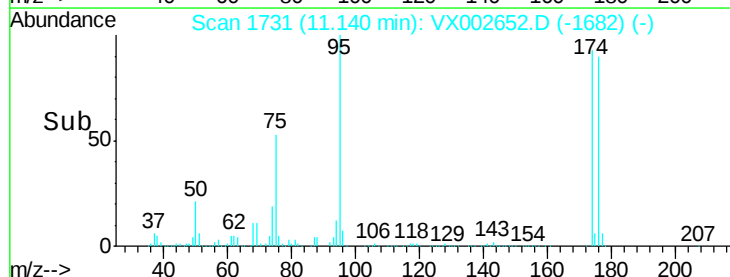
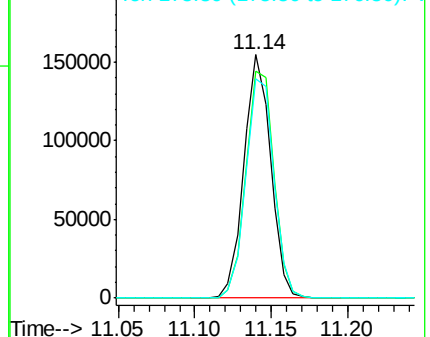
176 95.3 0.0 181.0

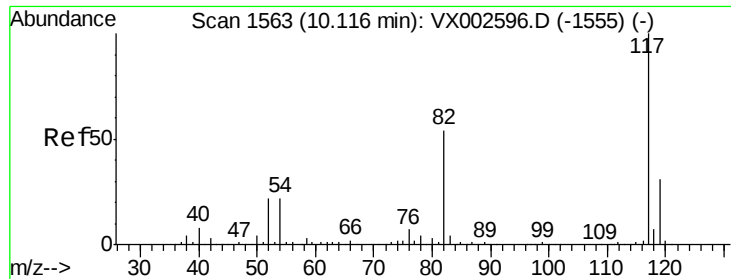


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

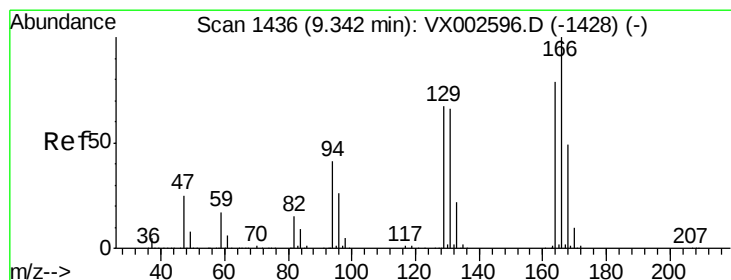
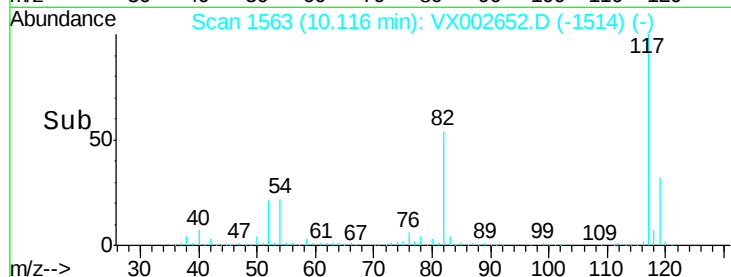
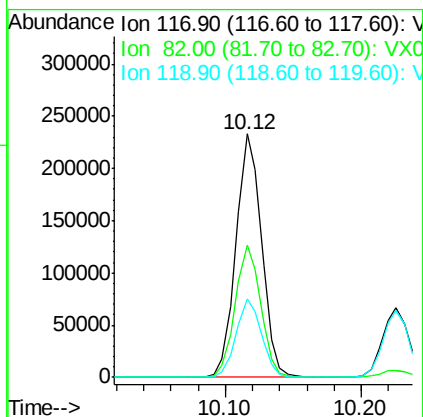
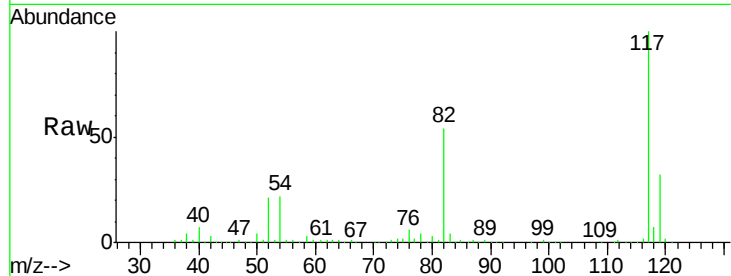




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

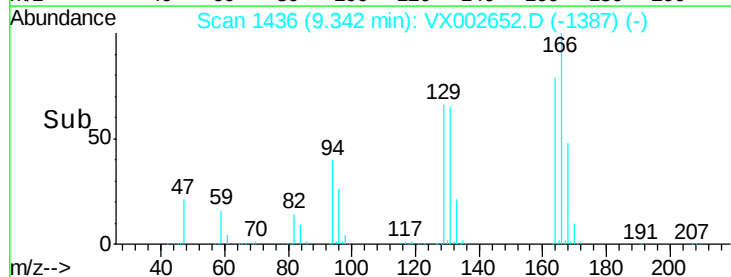
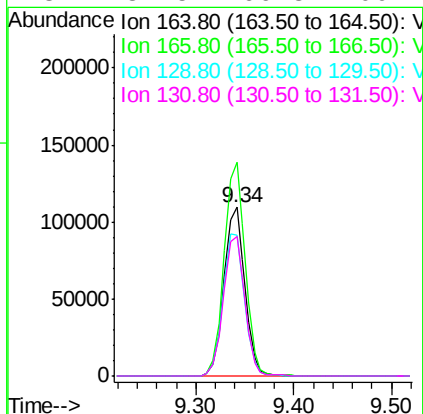
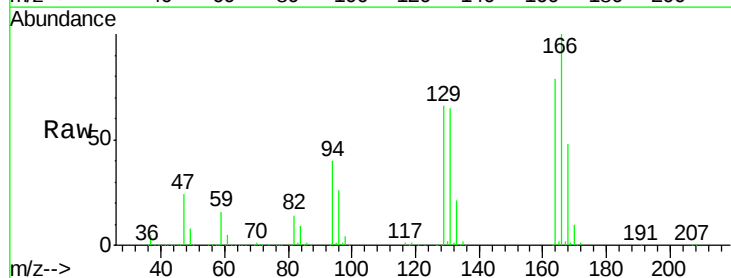
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

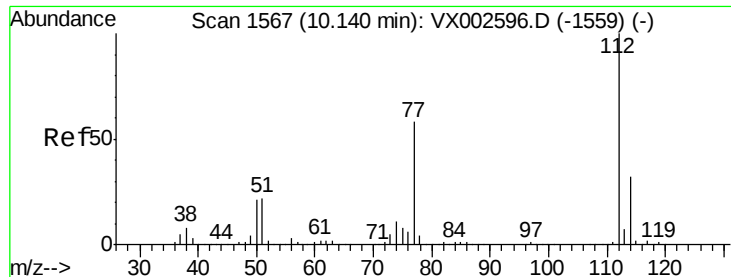
Tot Ion:117 Resp: 306291
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.4
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 47.608 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion:164 Resp: 161865
Ion Ratio Lower Upper
164 100
166 126.8 102.9 154.3
129 83.6 68.6 102.8
131 82.5 66.8 100.2

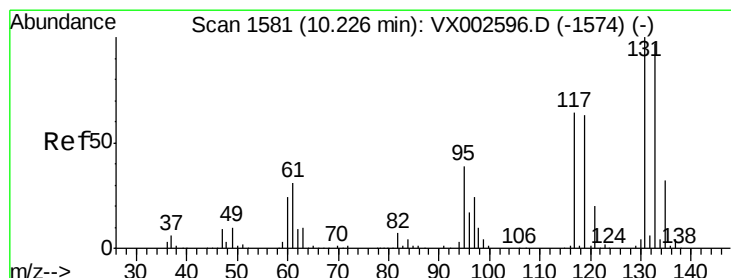
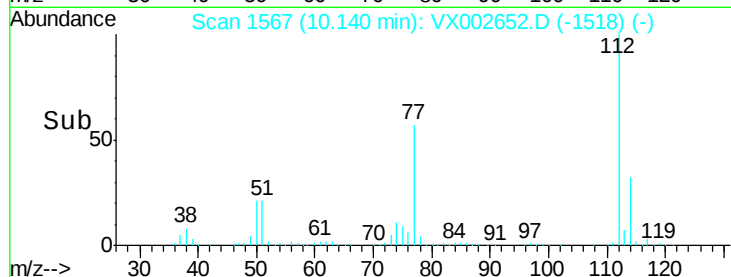
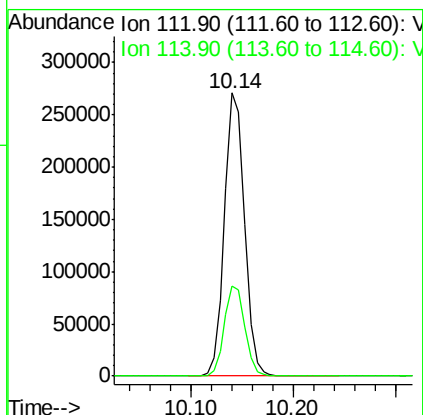
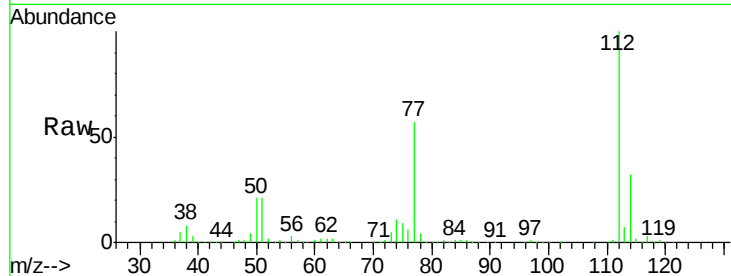




#65
Chlorobenzene
Concen: 49.336 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

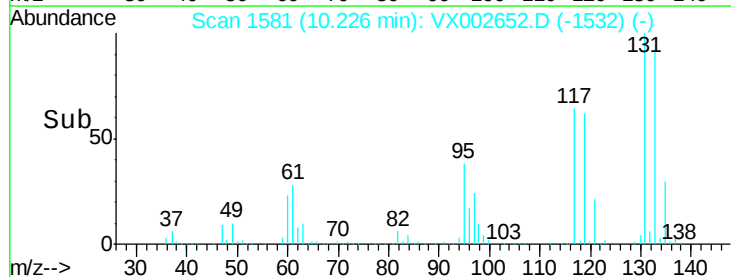
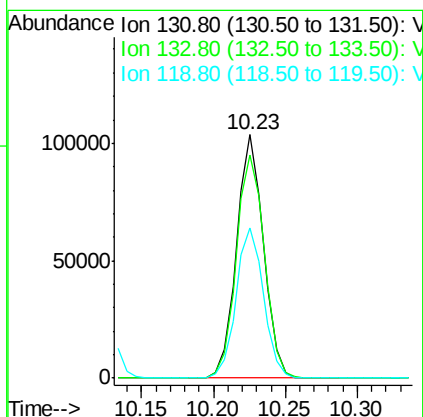
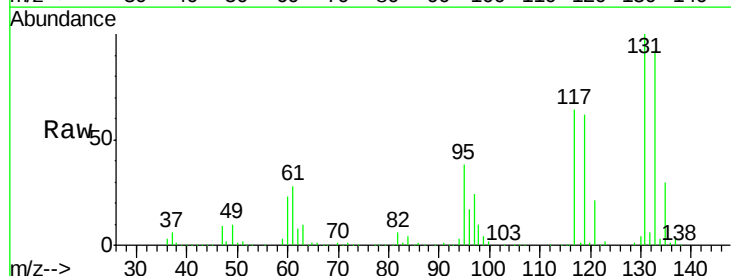
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

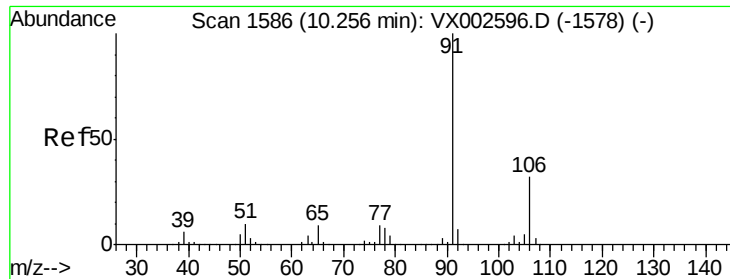
Tot Ion:112 Resp: 371109
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.637 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion:131 Resp: 134984
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 63.1 31.8 95.3





#67

Ethyl Benzene

Concen: 50.289 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

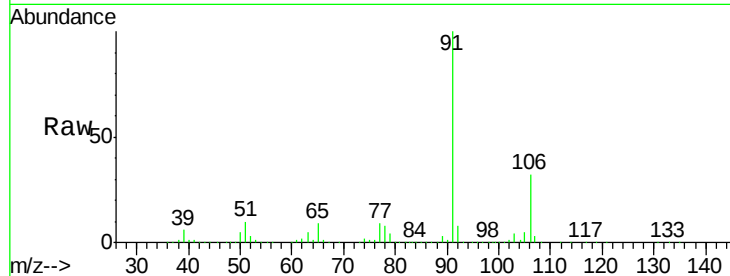
VSTDCCC050

Tot Ion: 91 Resp: 638032

Ion Ratio Lower Upper

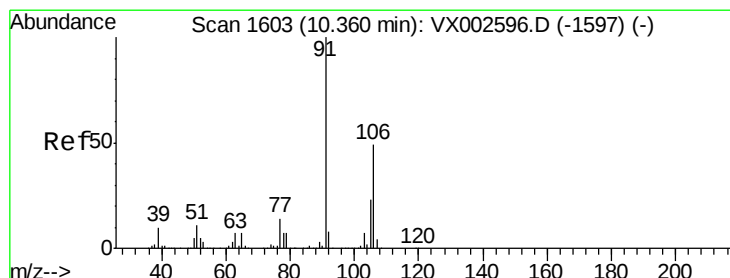
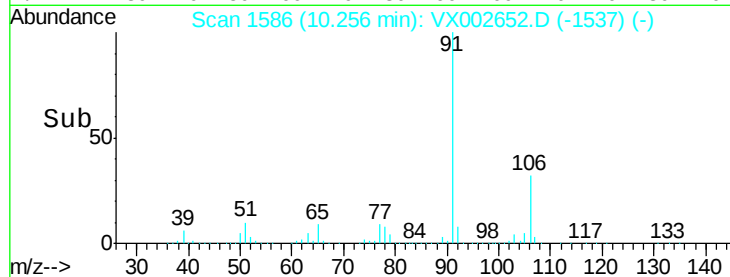
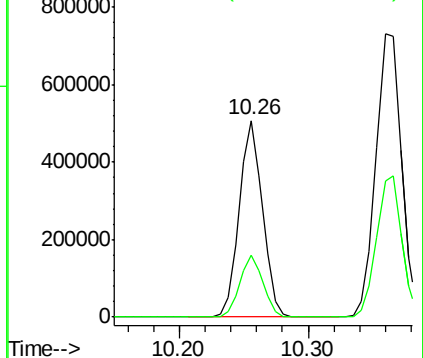
91 100

106 31.6 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.404 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX002652.D

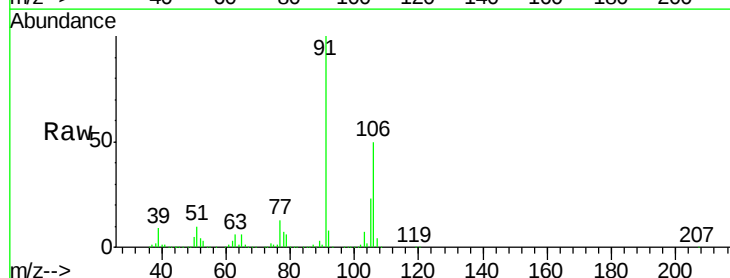
Acq: 16 Jun 2018 17:39

Tgt Ion:106 Resp: 491384

Ion Ratio Lower Upper

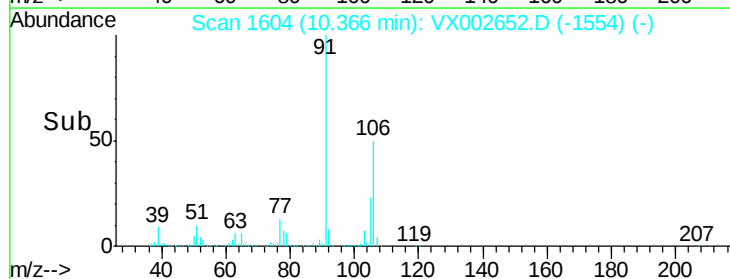
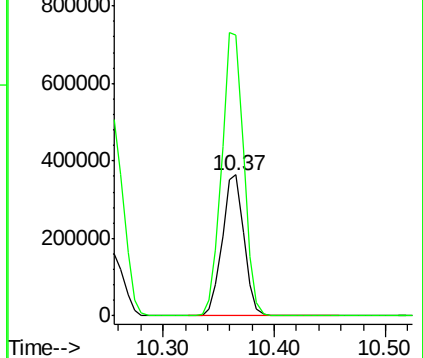
106 100

91 204.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

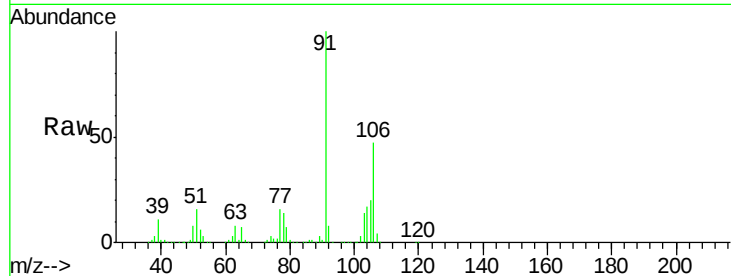




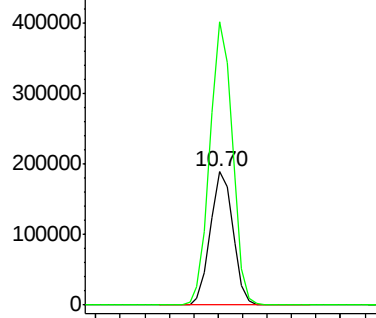
#69
o-Xylene
Concen: 50.331 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

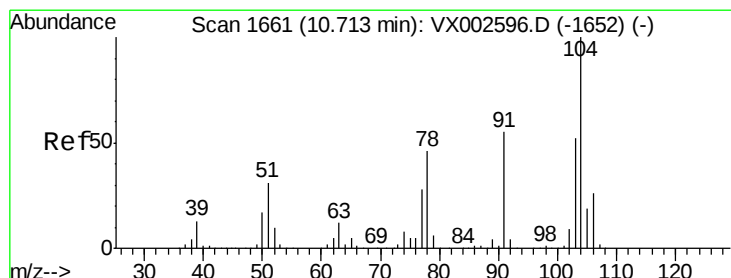
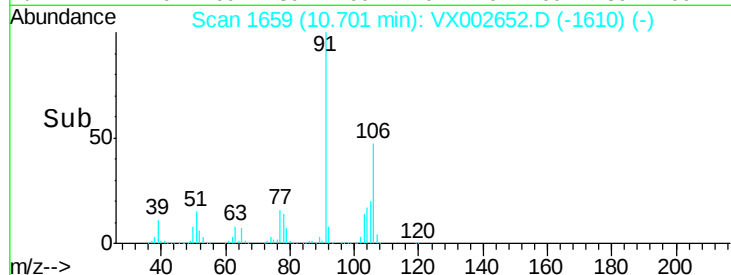
Tot Ion:106 Resp: 242010
Ion Ratio Lower Upper
106 100
91 212.3 108.2 324.6



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

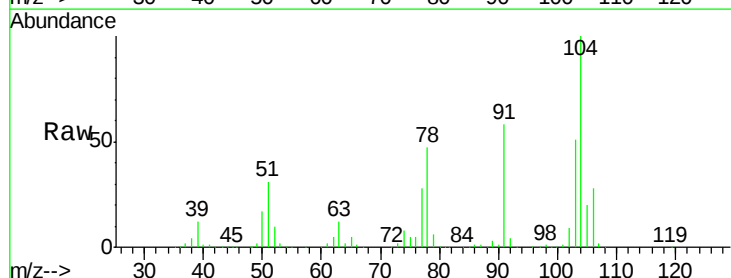


Time--> 10.60 10.70 10.80

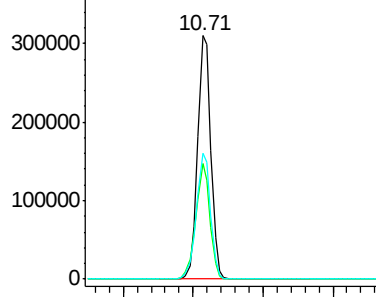


#70
Styrene
Concen: 51.471 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

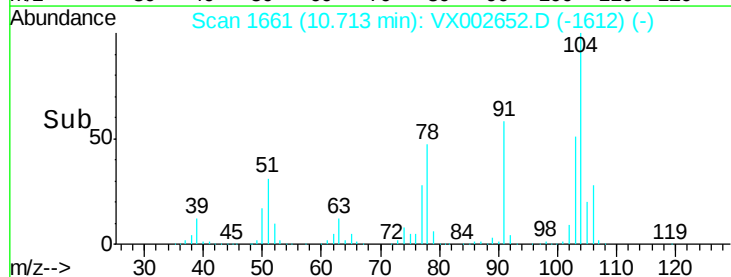
Tgt Ion:104 Resp: 407021
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.6
103 55.4 44.2 66.4

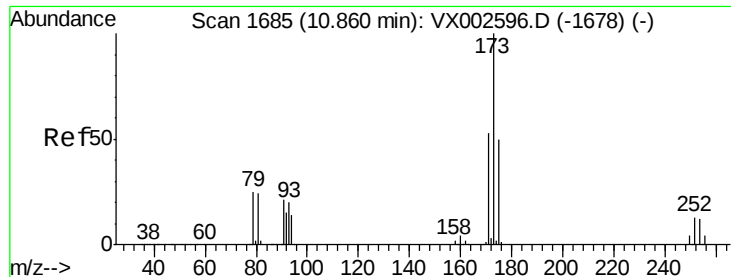


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80 10.90

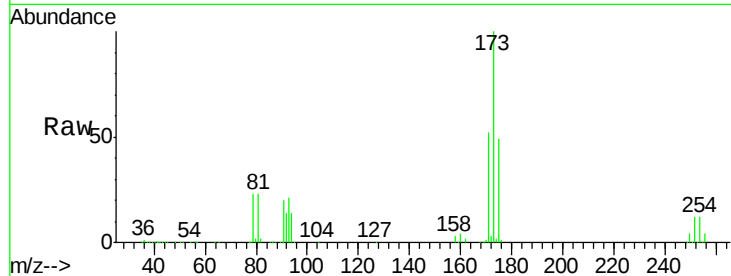




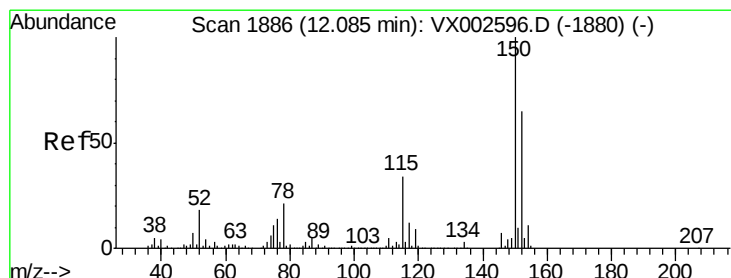
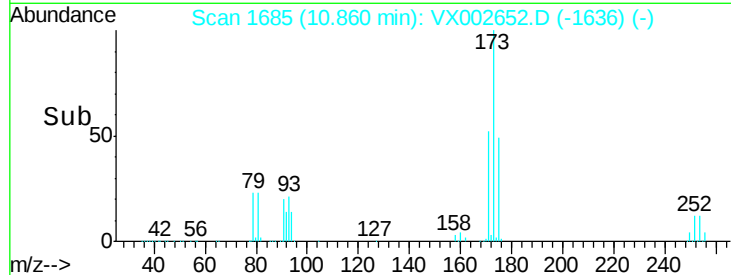
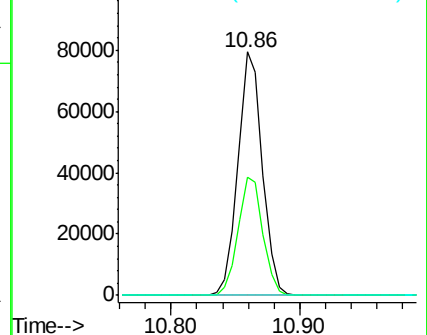
#71
Bromoform
Concen: 45.375 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 104778
Ion Ratio Lower Upper
173 100
175 49.4 24.7 74.1
254 0.2 0.2 0.2

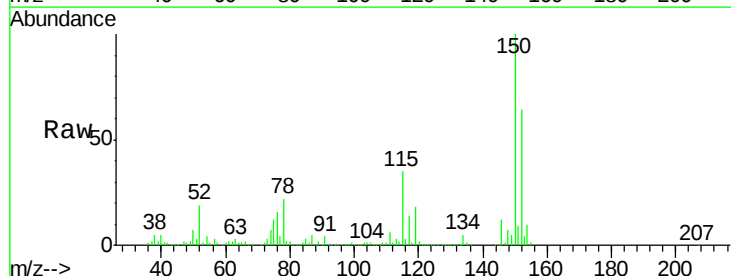


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

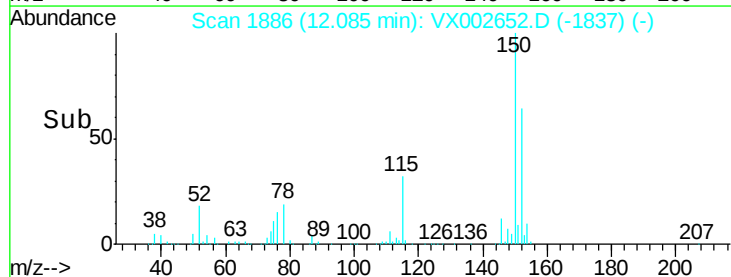
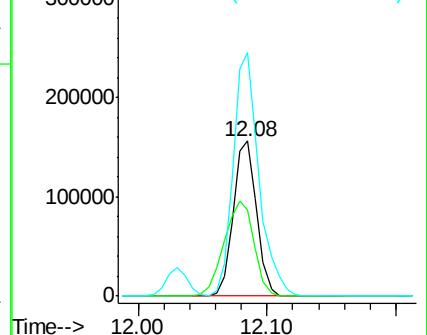


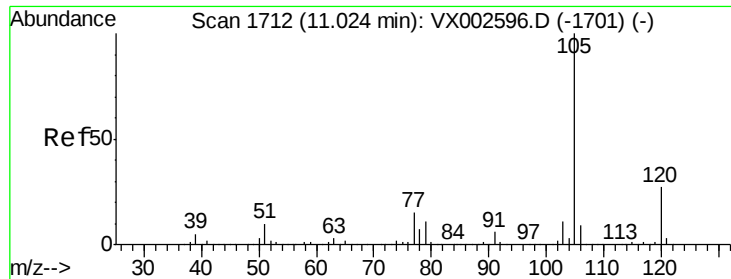
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion:152 Resp: 197329
Ion Ratio Lower Upper
152 100
115 78.7 40.1 120.2
150 173.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 50.253 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

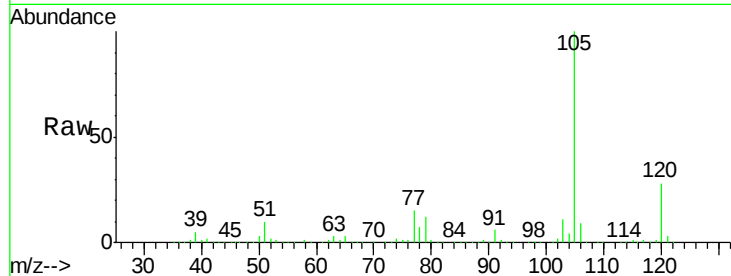
VSTDCCC050

Tot Ion:105 Resp: 663217

Ion Ratio Lower Upper

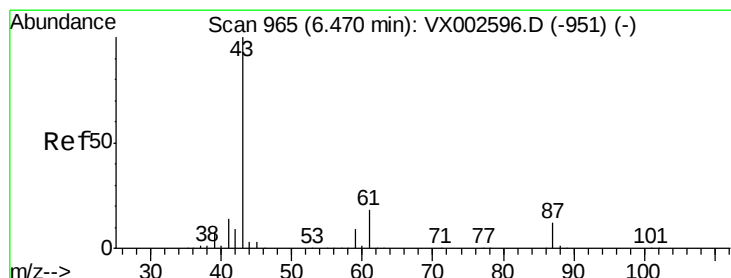
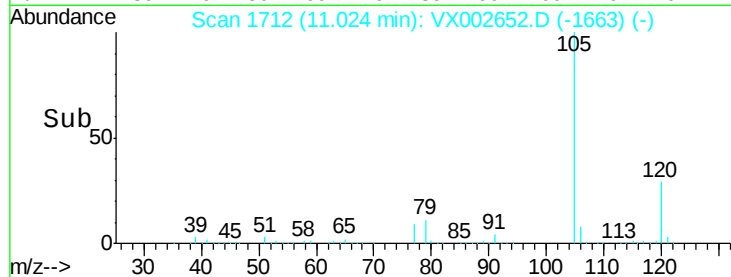
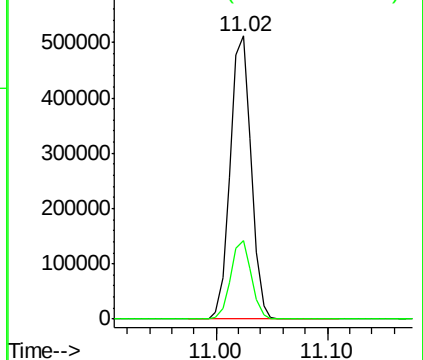
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.390 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Tgt Ion: 43 Resp: 304185

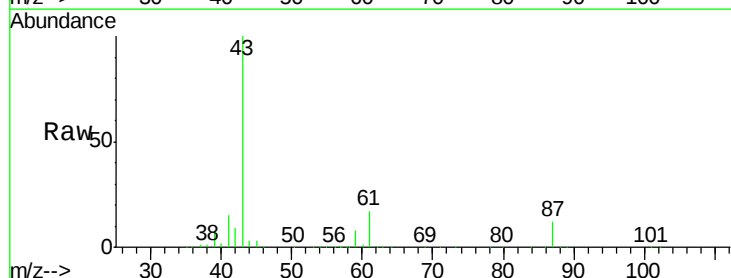
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.8 14.4 21.6

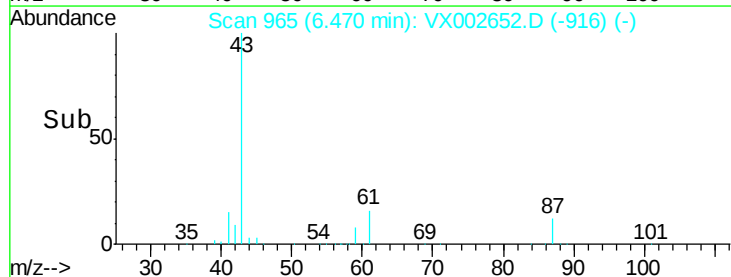
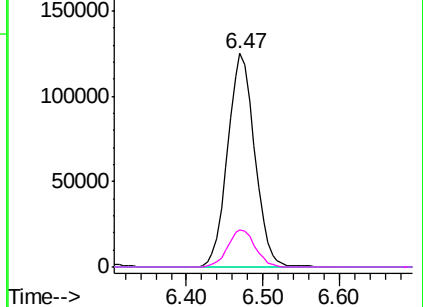


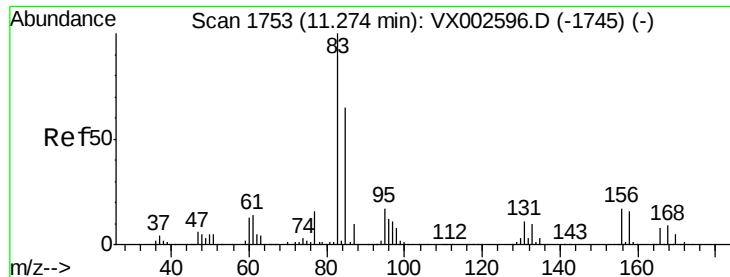
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.602 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

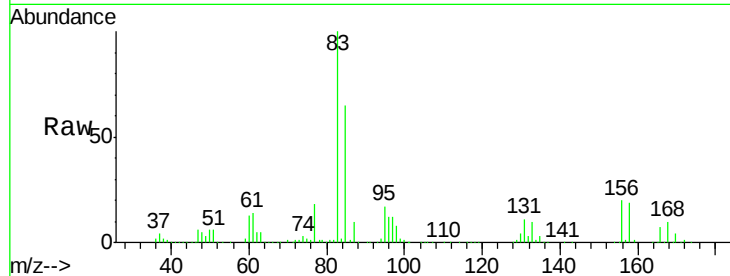
Tot Ion: 83 Resp: 197214

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

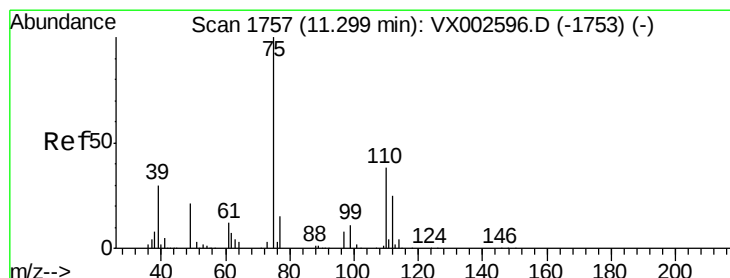
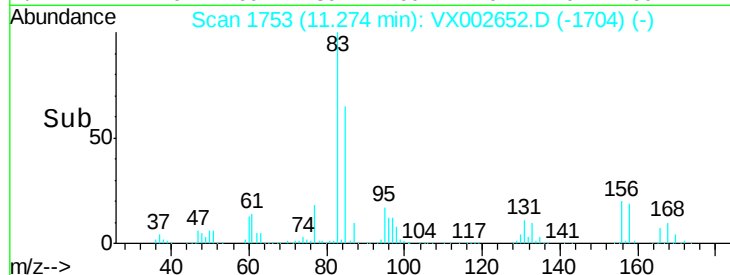
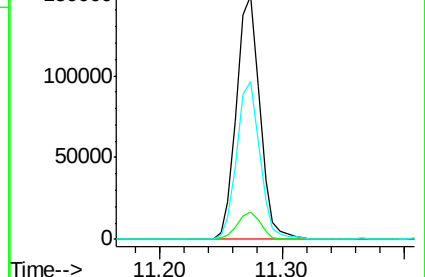
85 63.8 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 60.573 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002652.D

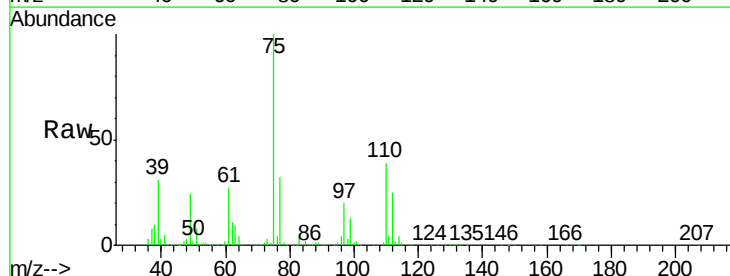
Acq: 16 Jun 2018 17:39

Tgt Ion: 75 Resp: 225549

Ion Ratio Lower Upper

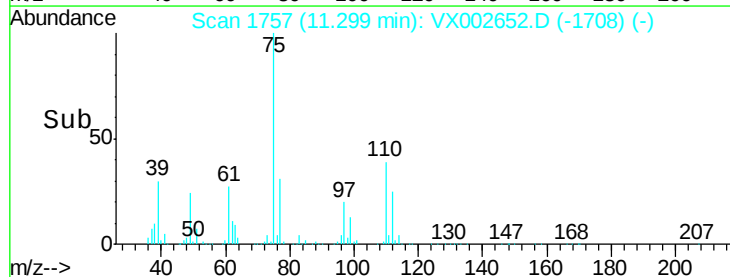
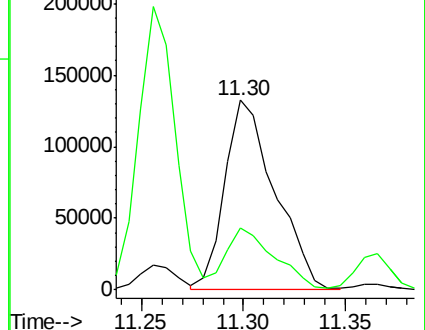
75 100

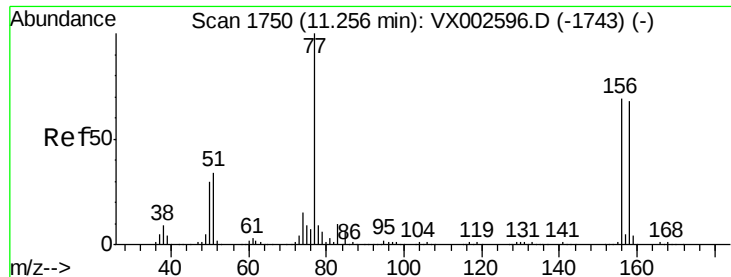
77 32.1 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.733 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

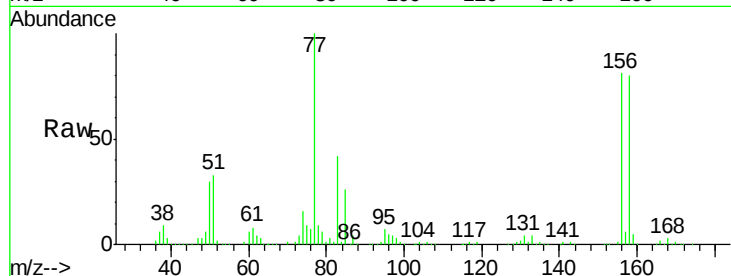
Tot Ion:156 Resp: 182857

Ion Ratio Lower Upper

156 100

77 135.7 71.4 214.2

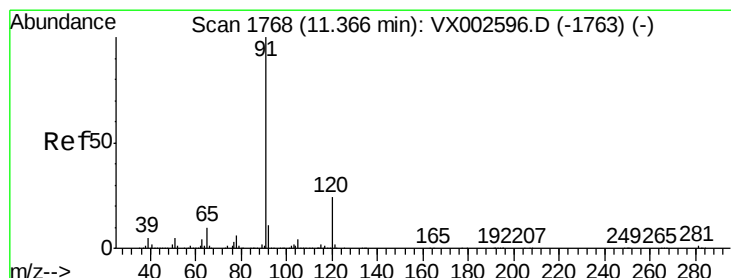
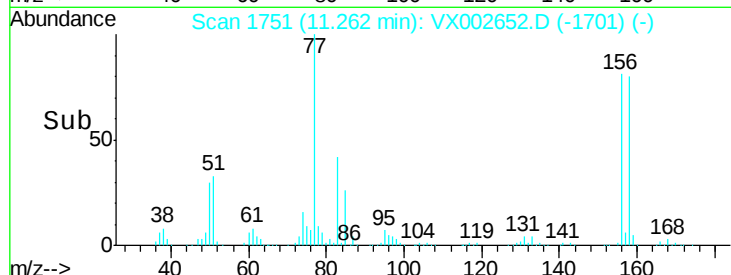
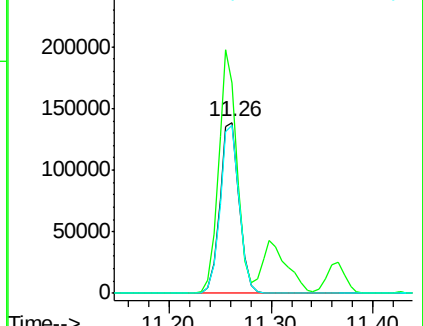
158 97.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.978 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002652.D

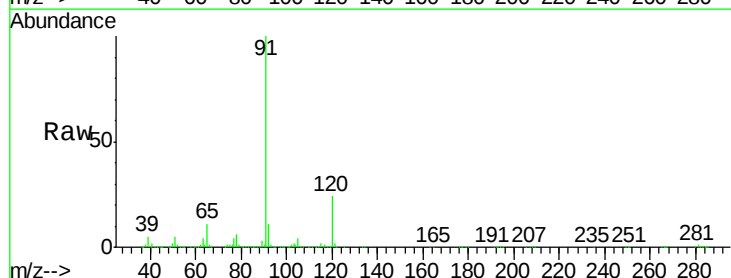
Acq: 16 Jun 2018 17:39

Tgt Ion: 91 Resp: 756454

Ion Ratio Lower Upper

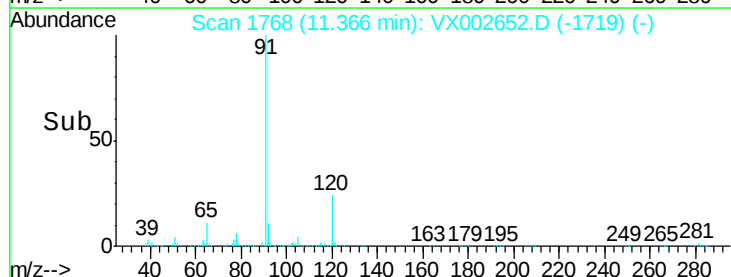
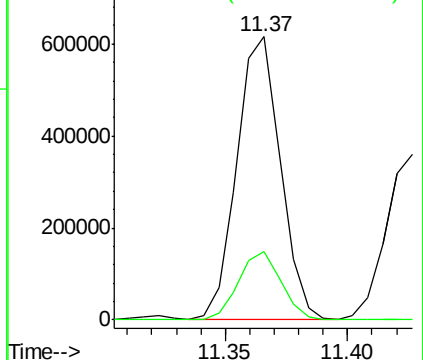
91 100

120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

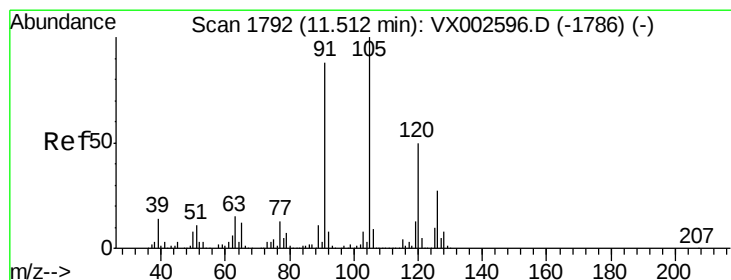
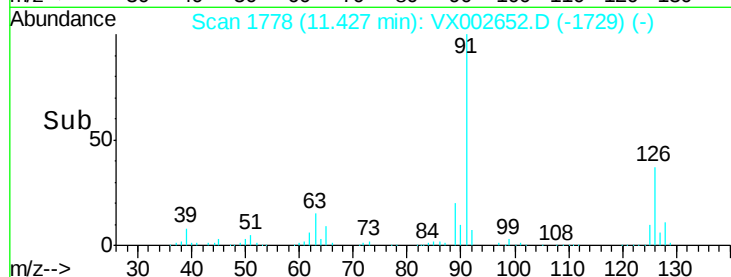
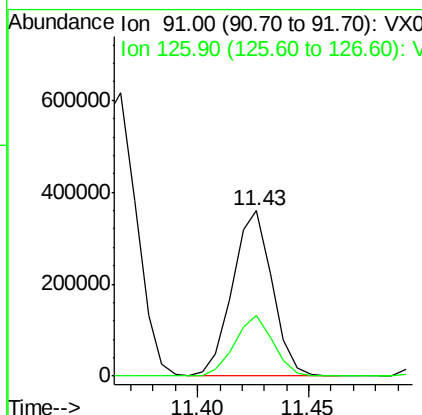
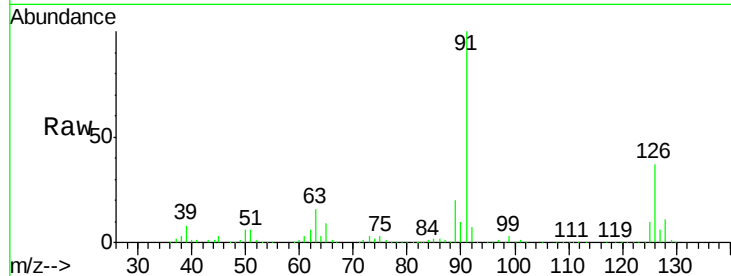




#79
 2-Chlorotoluene
 Concen: 49.225 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

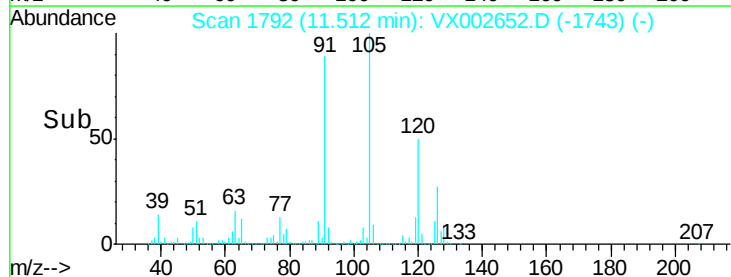
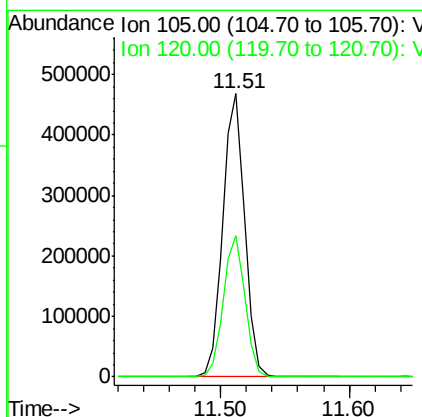
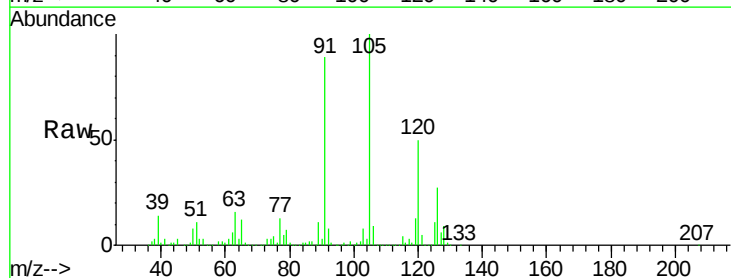
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

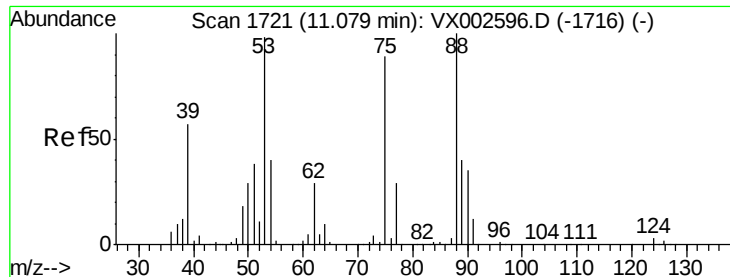
Tot Ion: 91 Resp: 444830
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.247 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion: 105 Resp: 560415
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 43.418 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

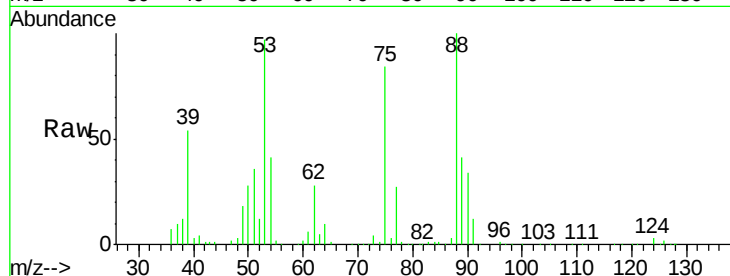
Tot Ion: 75 Resp: 49826

Ion Ratio Lower Upper

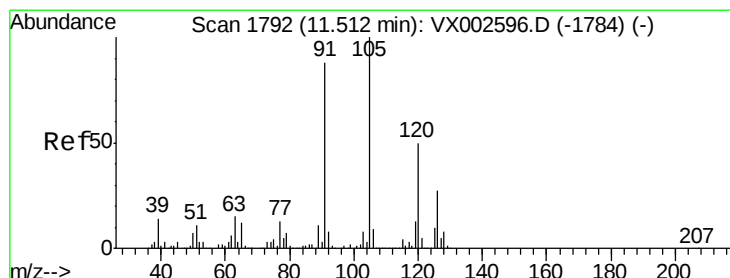
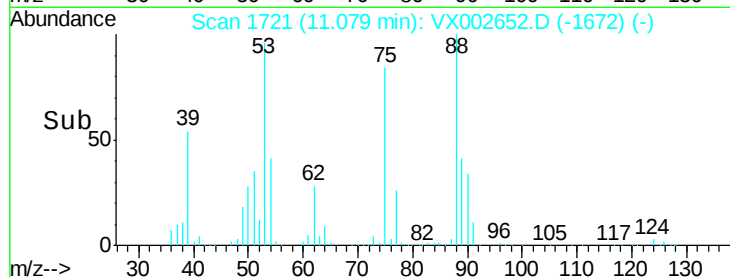
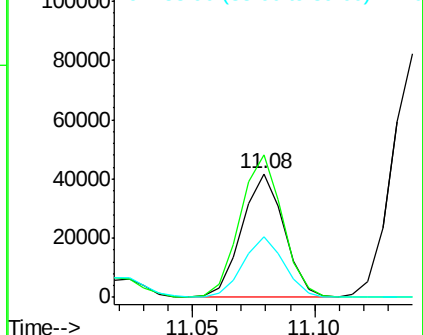
75 100

53 115.8 86.8 130.2

89 48.3 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.494 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002652.D

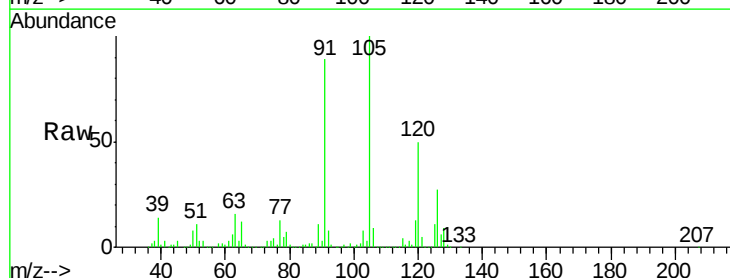
Acq: 16 Jun 2018 17:39

Tgt Ion: 91 Resp: 527757

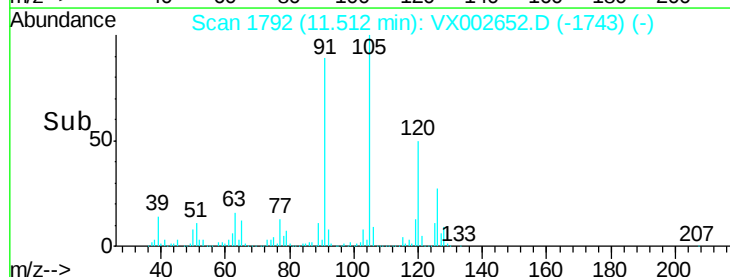
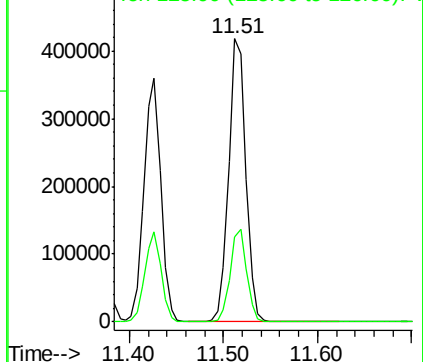
Ion Ratio Lower Upper

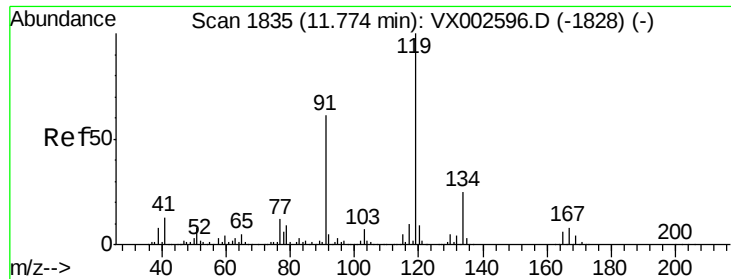
91 100

126 31.5 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

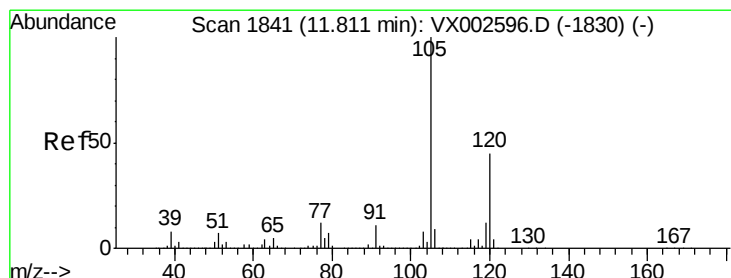
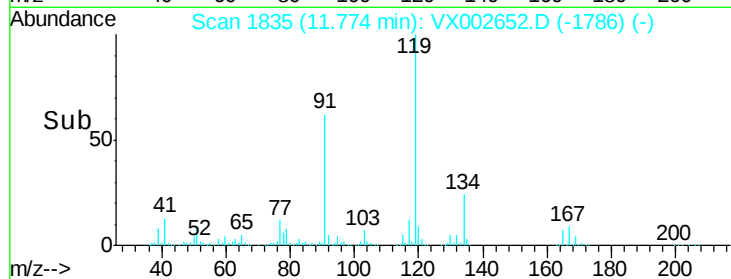
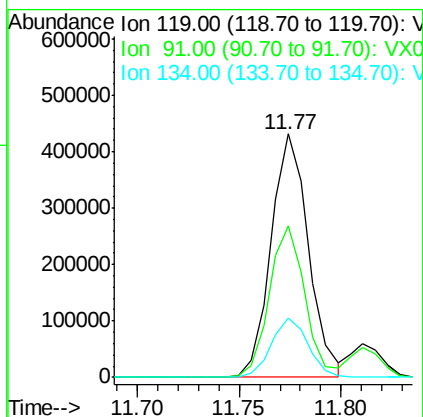
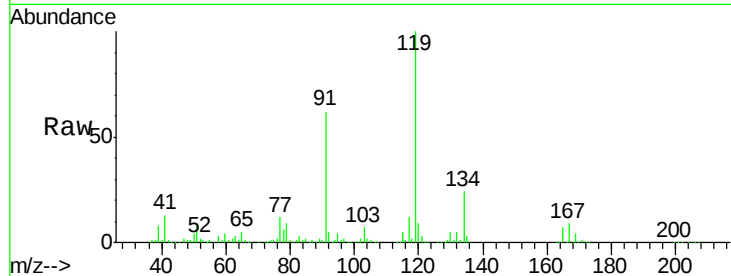




#83
 tert-Butylbenzene
 Concen: 51.333 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

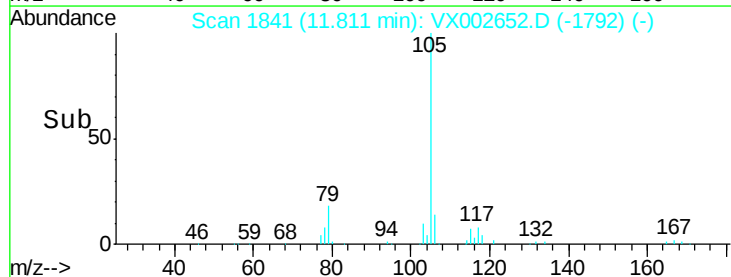
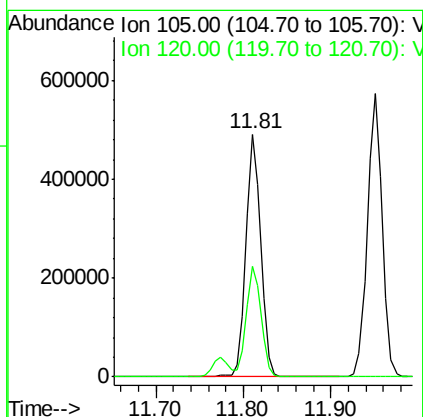
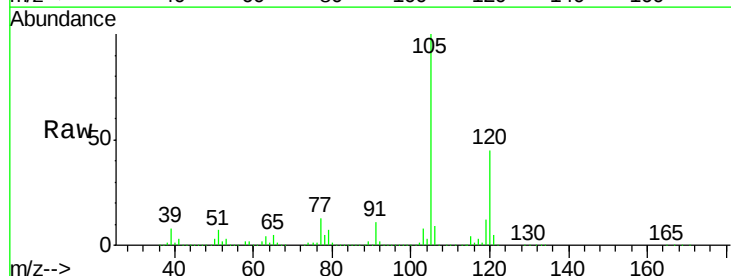
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

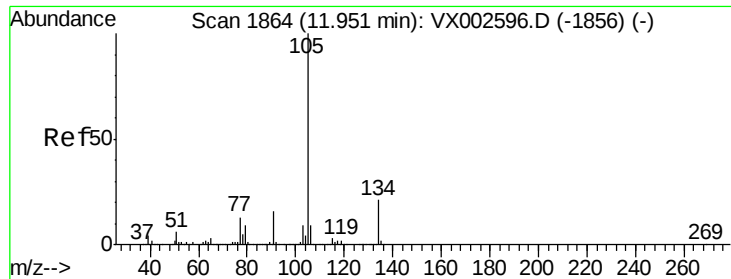
Tot Ion:119 Resp: 551550
 Ion Ratio Lower Upper
 119 100
 91 59.3 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.799 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002652.D
 Acq: 16 Jun 2018 17:39

Tgt Ion:105 Resp: 578133
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.3 66.8





#85

sec-Butylbenzene

Concen: 51.179 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

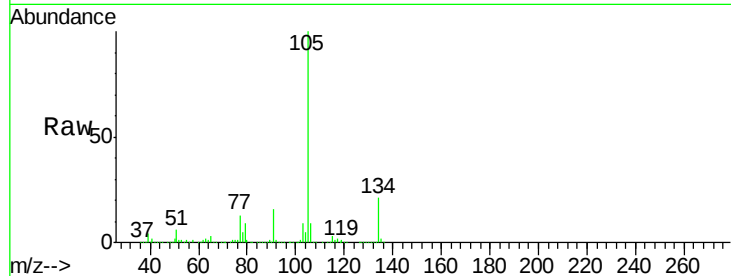
VSTDCCC050

Tot Ion:105 Resp: 683764

Ion Ratio Lower Upper

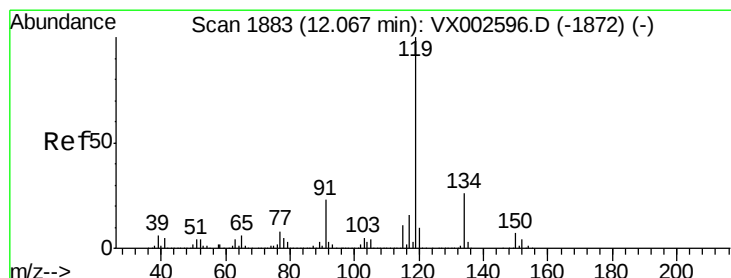
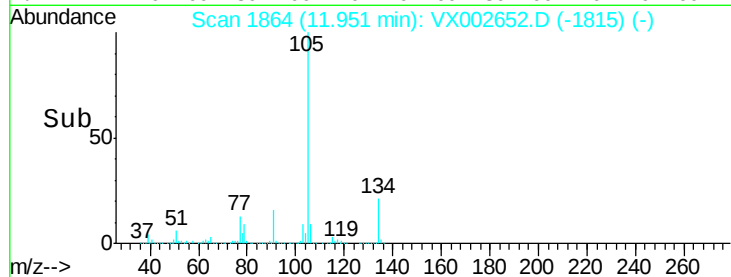
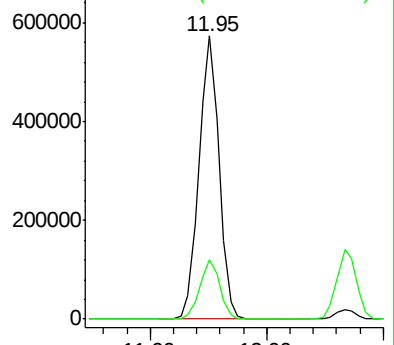
105 100

134 20.8 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: 50.951 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

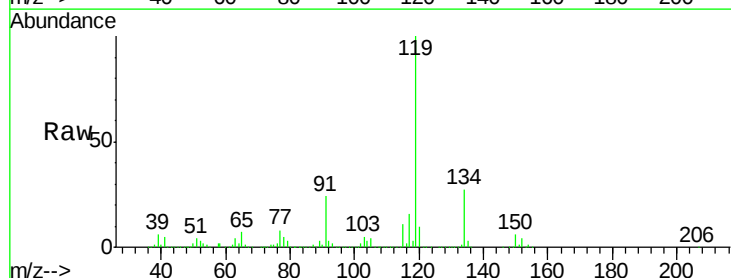
Tgt Ion:119 Resp: 615911

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

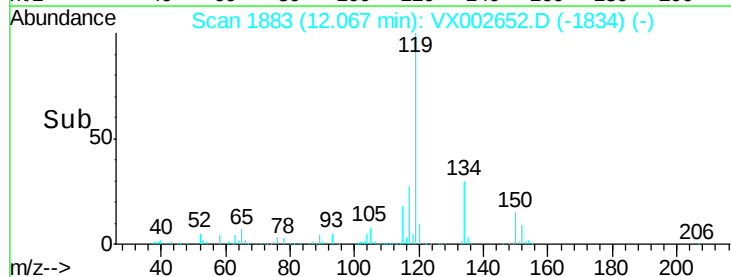
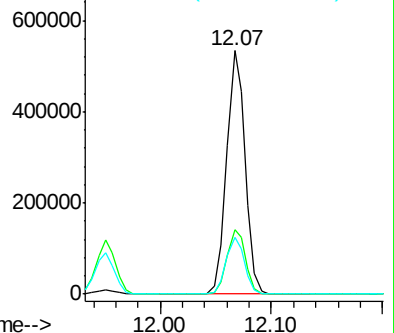
91 23.7 11.9 35.7

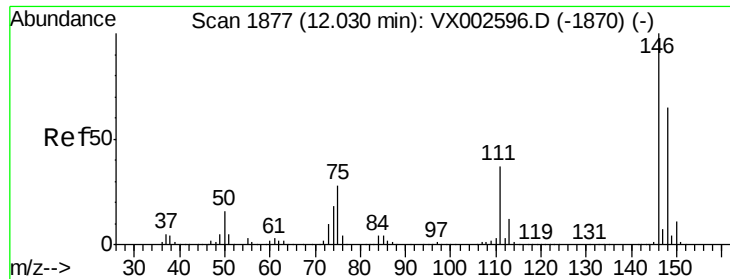


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.532 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

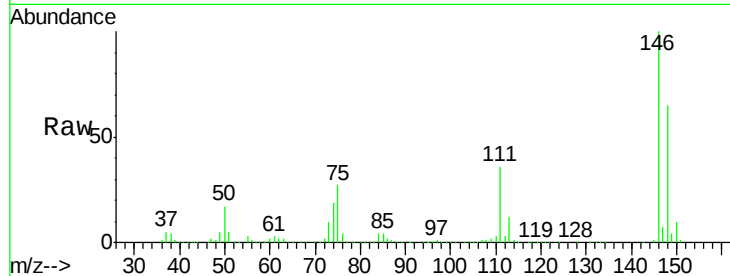
Tot Ion:146 Resp: 333981

Ion Ratio Lower Upper

146 100

111 36.6 18.9 56.7

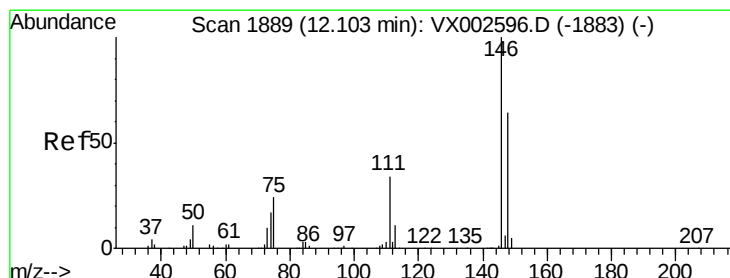
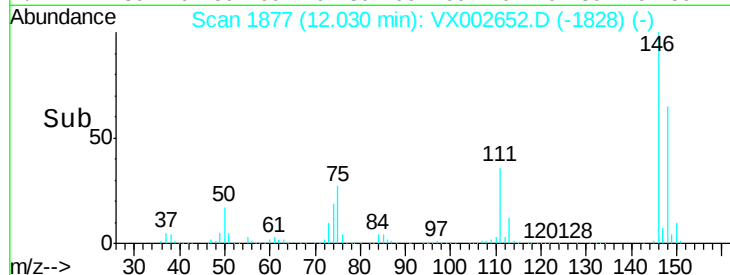
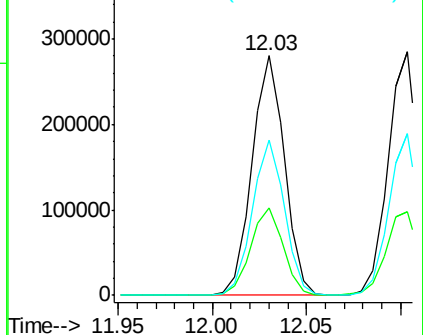
148 64.2 32.1 96.3



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: 48.904 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

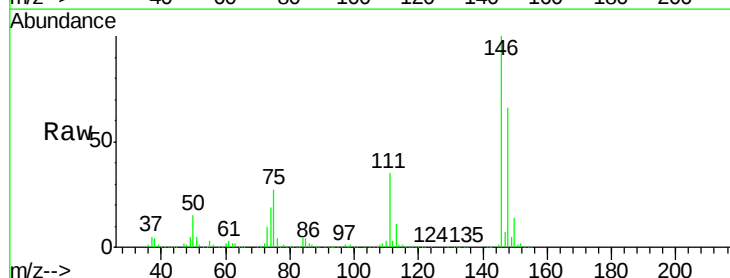
Tgt Ion:146 Resp: 335519

Ion Ratio Lower Upper

146 100

111 36.6 18.7 56.1

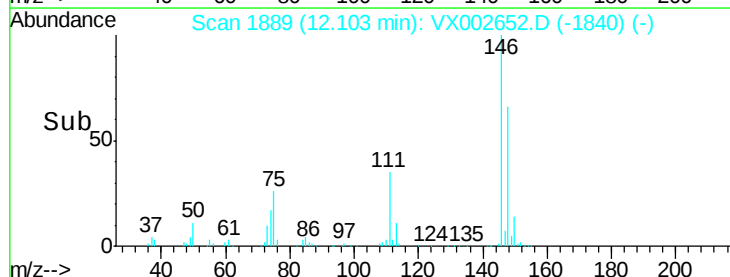
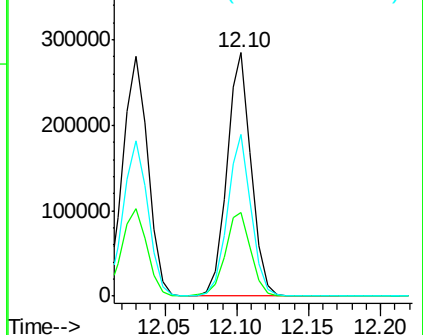
148 65.2 32.4 97.0

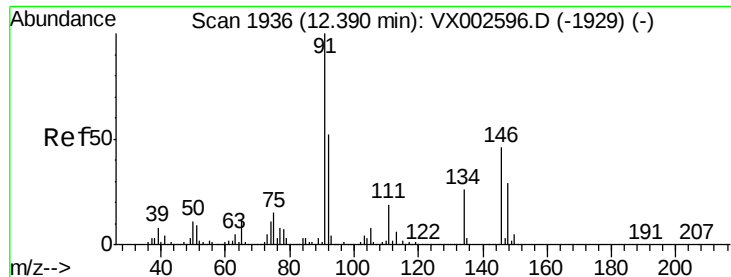


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.472 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

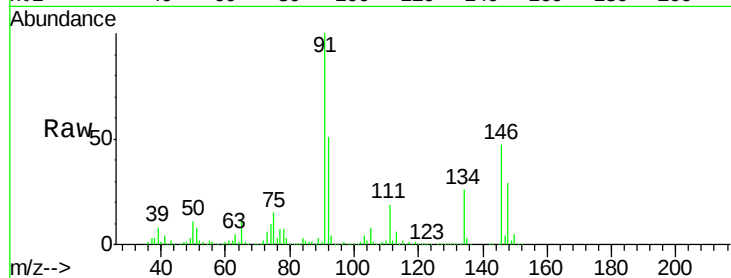
Tot Ion: 91 Resp: 548902

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

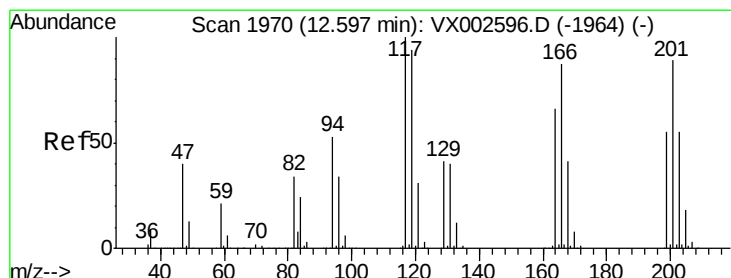
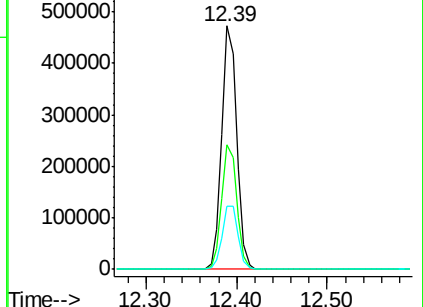
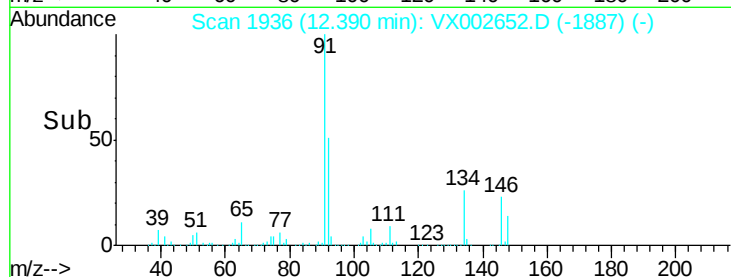
134 27.4 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX002652.D (-1921) (-)

Ion 92.00 (91.70 to 92.70): VX002652.D (-1921) (-)

Ion 134.00 (133.70 to 134.70): VX002652.D (-1921) (-)



#90

Hexachloroethane

Concen: 46.254 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002652.D

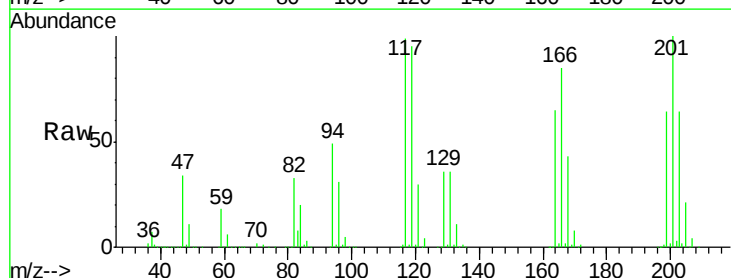
Acq: 16 Jun 2018 17:39

Tgt Ion: 117 Resp: 86767

Ion Ratio Lower Upper

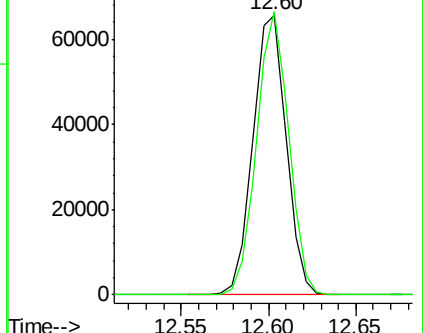
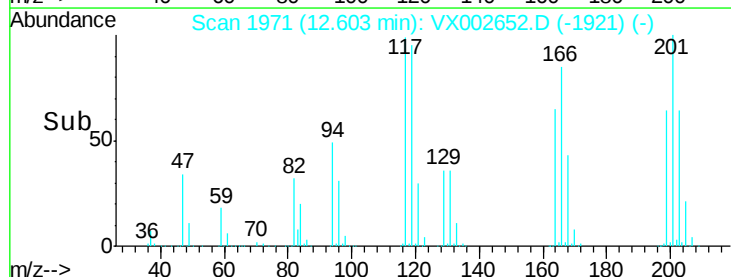
117 100

201 97.7 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX002652.D (-1921) (-)

Ion 200.70 (200.40 to 201.40): VX002652.D (-1921) (-)

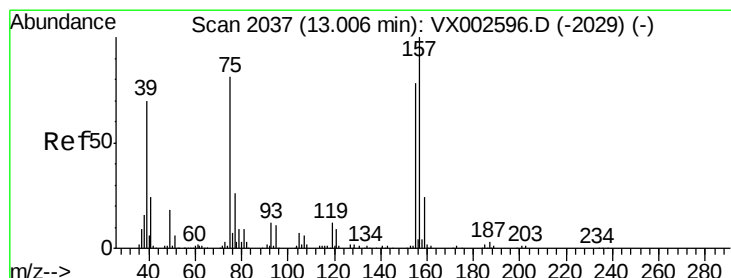
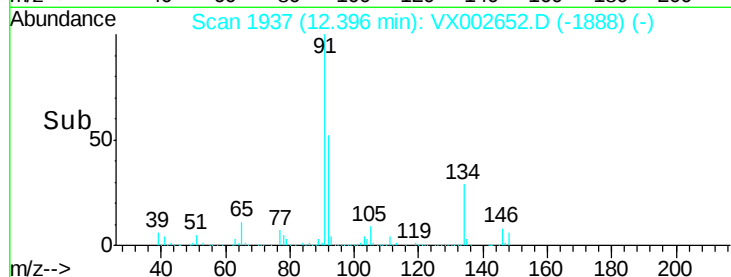
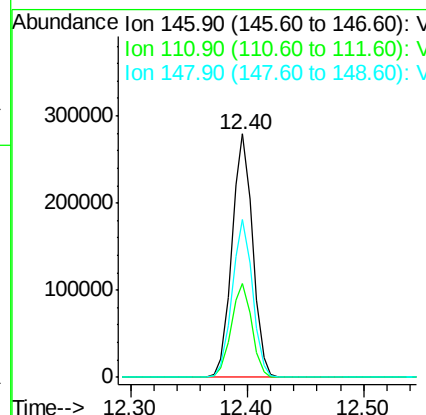
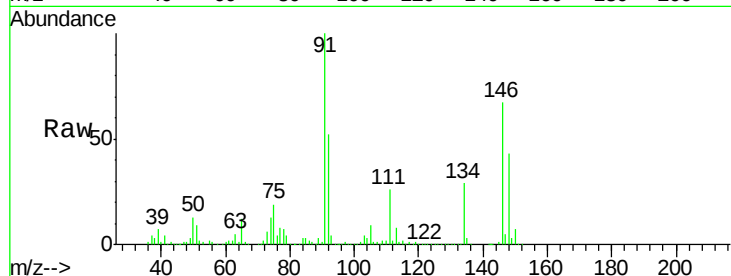




#91
1,2-Dichlorobenzene
Concen: 50.481 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

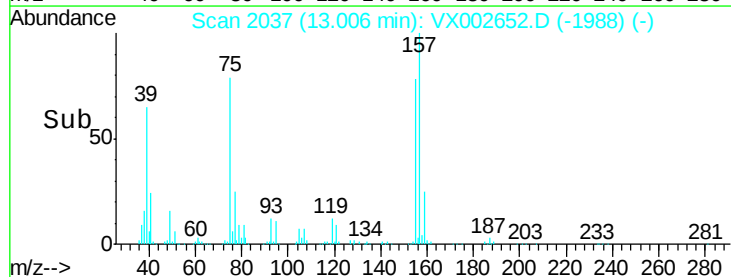
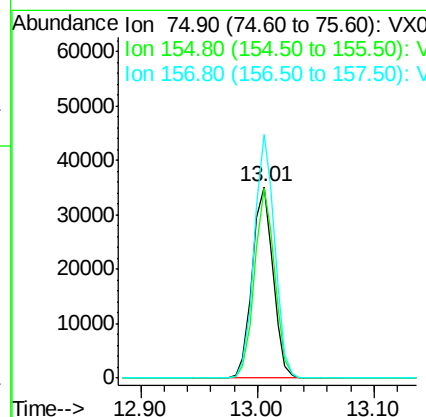
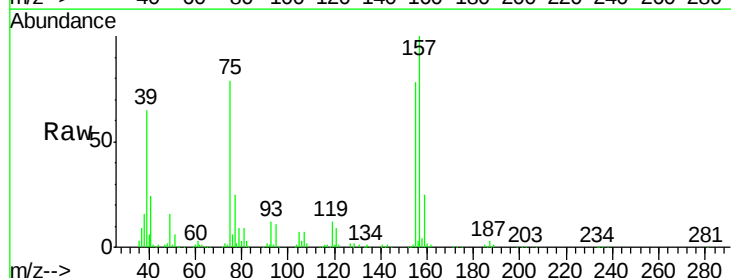
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

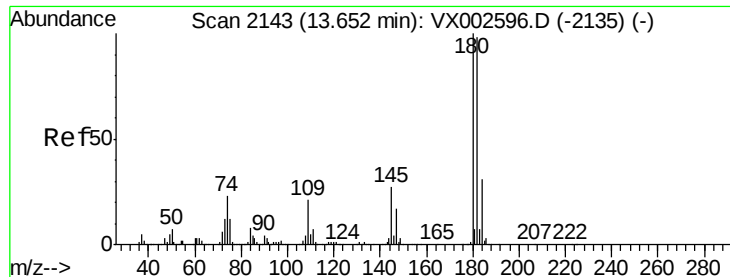
Tot Ion:146 Resp: 342587
Ion Ratio Lower Upper
146 100
111 38.4 19.4 58.1
148 63.9 31.7 95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.277 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX002652.D
Acq: 16 Jun 2018 17:39

Tgt Ion: 75 Resp: 44309
Ion Ratio Lower Upper
75 100
155 95.9 45.8 137.4
157 123.5 60.1 180.3





#93

1,2,4-Trichlorobenzene

Concen: 50.766 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

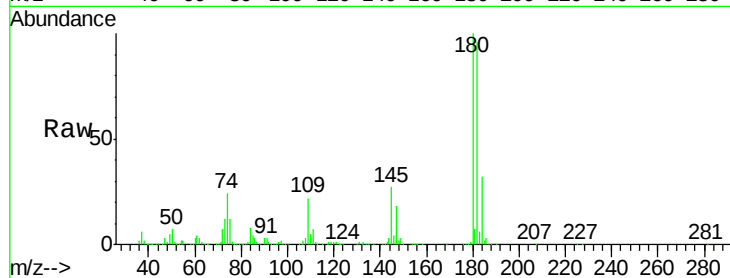
Tot Ion:180 Resp: 250039

Ion Ratio Lower Upper

180 100

182 95.2 47.7 143.1

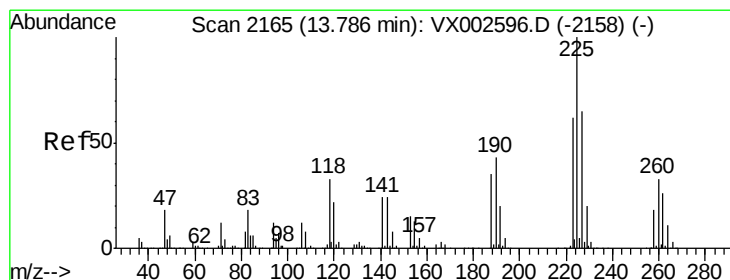
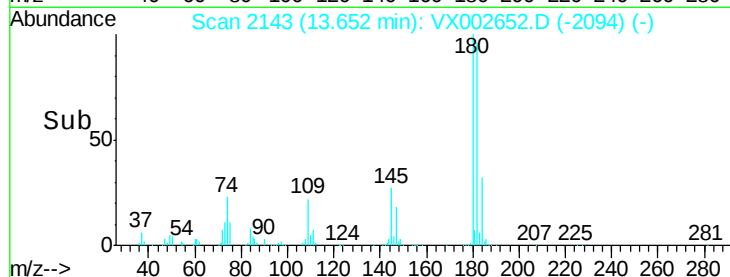
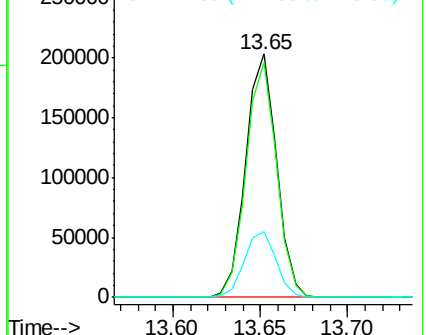
145 27.6 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 52.100 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

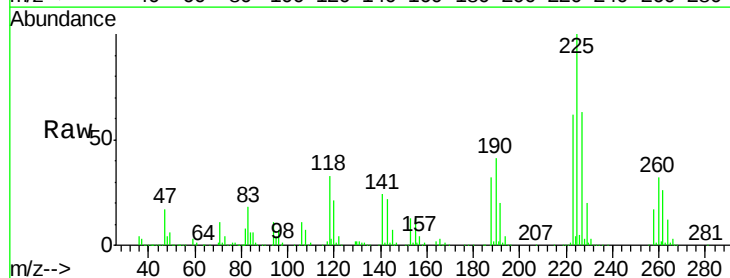
Tgt Ion:225 Resp: 135176

Ion Ratio Lower Upper

225 100

223 62.8 31.6 95.0

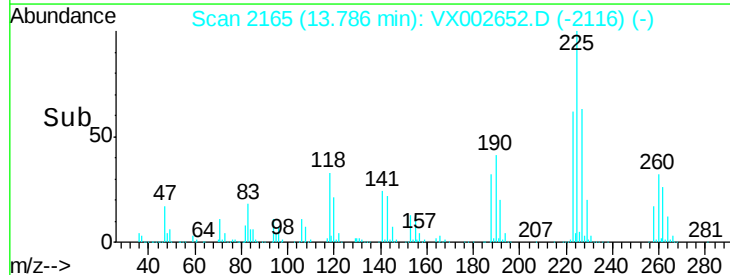
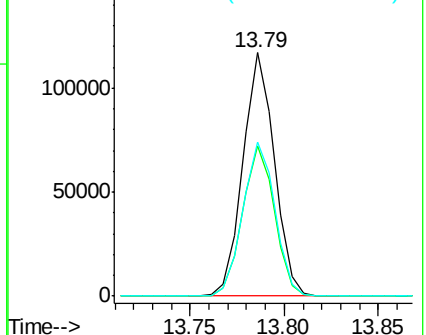
227 64.8 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.275 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

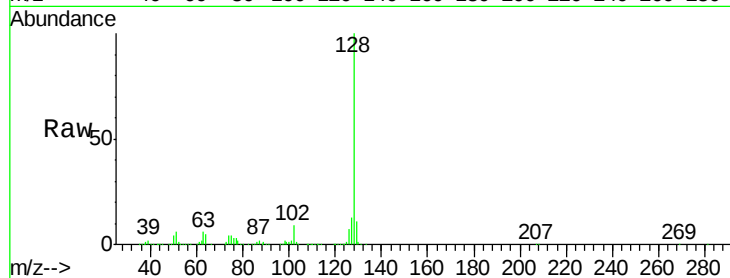
Tot Ion:128 Resp: 692831

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

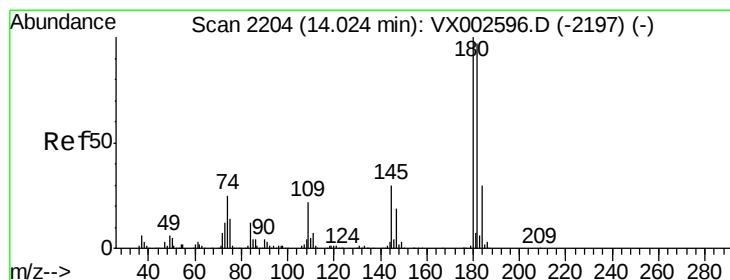
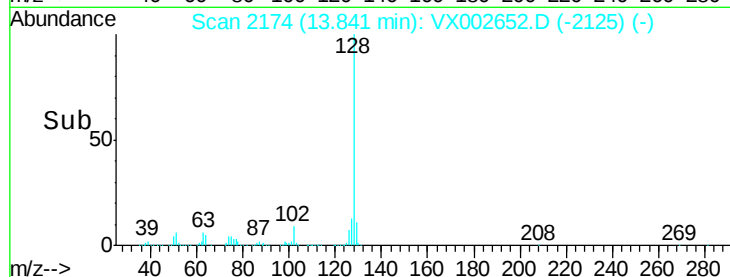
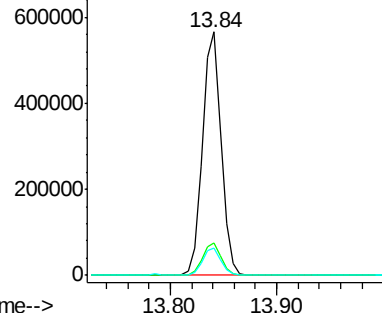
129 11.0 8.6 13.0



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: 51.801 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002652.D

Acq: 16 Jun 2018 17:39

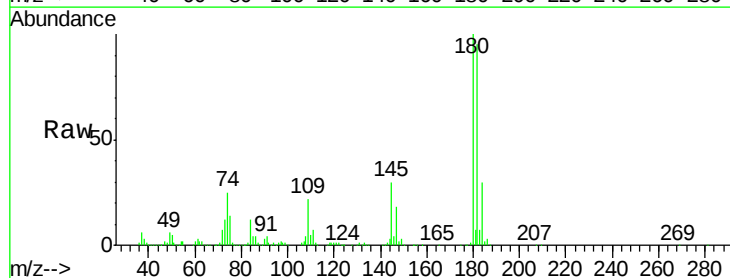
Tgt Ion:180 Resp: 256248

Ion Ratio Lower Upper

180 100

182 94.9 48.0 144.0

145 29.0 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

