

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004144.D
 Acq On : 20 Aug 2018 10:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 00:58:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	279626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	199164	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.50	113	166081	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	8.71	98	617326	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	224873	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	115787	42.54	ug/l	98
3) Chloromethane	1.32	50	166590	49.87	ug/l	98
4) Vinyl Chloride	1.41	62	153237	42.40	ug/l	99
5) Bromomethane	1.64	94	79264	43.25	ug/l	99
6) Chloroethane	1.72	64	111873	46.95	ug/l	98
7) Trichlorofluoromethane	1.93	101	214259	42.26	ug/l	99
8) Diethyl Ether	2.18	74	105006	47.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	134085	42.39	ug/l	99
10) Methyl Iodide	2.51	142	122235	37.57	ug/l	100
11) Tert butyl alcohol	3.04	59	155585	196.11	ug/l	99
12) 1,1-Dichloroethene	2.37	96	126820	43.11	ug/l	99
13) Acrolein	2.29	56	139245	258.31	ug/l	98
14) Allyl chloride	2.73	41	253142	45.23	ug/l	96
15) Acrylonitrile	3.14	53	445122	225.02	ug/l	100
16) Acetone	2.43	43	629793	307.46	ug/l	98
17) Carbon Disulfide	2.57	76	337814	40.49	ug/l	99
18) Methyl Acetate	2.77	43	222498	48.88	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	490745	47.35	ug/l	100
20) Methylene Chloride	2.85	84	164971	49.27	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	147040	44.01	ug/l	99
22) Diisopropyl ether	3.86	45	546142	49.79	ug/l	95
23) Vinyl Acetate	3.82	43	2326857	258.30	ug/l	99
24) 1,1-Dichloroethane	3.70	63	283921	45.70	ug/l	99
25) 2-Butanone	4.69	43	816860	245.09	ug/l	100
26) 2,2-Dichloropropane	4.58	77	228652	46.30	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	173056	46.07	ug/l	98
28) Bromochloromethane	5.01	49	140622	49.34	ug/l	96
29) Tetrahydrofuran	5.15	42	363987	213.76	ug/l	98
30) Chloroform	5.21	83	282191	46.54	ug/l	98
31) Cyclohexane	5.57	56	216507	39.75	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	235091	46.40	ug/l	99
36) 1,1-Dichloropropene	5.80	75	206813	44.75	ug/l	99
37) Ethyl Acetate	4.85	43	227651	45.24	ug/l	100
38) Carbon Tetrachloride	5.78	117	202581	45.12	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	217344	41.46	ug/l	99
40) Benzene	6.14	78	659223	47.51	ug/l	99
41) Methacrylonitrile	5.06	41	128278	45.51	ug/l	99
42) 1,2-Dichloroethane	6.20	62	235101	48.40	ug/l	100
43) Isopropyl Acetate	6.46	43	344661	46.46	ug/l	99
44) Trichloroethene	7.21	130	170297	45.20	ug/l	92
45) 1,2-Dichloropropane	7.52	63	173187	48.75	ug/l	100
46) Dibromomethane	7.66	93	114395	49.28	ug/l	99
47) Bromodichloromethane	7.90	83	220069	50.05	ug/l	99
48) Methyl methacrylate	7.77	41	185932	49.79	ug/l	98
49) 1,4-Dioxane	7.76	88	66979	796.69	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1492085	245.31	ug/l	99
52) Toluene	8.79	92	426036	48.54	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	246814	51.96	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	273241	51.94	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	178193	49.17	ug/l	100
56) Ethyl methacrylate	9.18	69	248783	50.48	ug/l	97
57) 1,3-Dichloropropane	9.37	76	300078	49.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	780899	311.17	ug/l	100
59) 2-Hexanone	9.50	43	1196684	261.42	ug/l	99
60) Dibromochloromethane	9.59	129	178219	51.10	ug/l	100
61) 1,2-Dibromoethane	9.67	107	183683	49.72	ug/l	100
64) Tetrachloroethene	9.34	164	156431	40.90	ug/l	95
65) Chlorobenzene	10.14	112	477511	45.81	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	172072	48.40	ug/l	99
67) Ethyl Benzene	10.25	91	768032	46.53	ug/l	99
68) m/p-Xylenes	10.36	106	610950	94.51	ug/l	97
69) o-Xylene	10.70	106	292204	47.30	ug/l	98
70) Styrene	10.71	104	492251	47.35	ug/l	99
71) Bromoform	10.86	173	130448	46.27	ug/l #	99
73) Isopropylbenzene	11.02	105	747314	43.73	ug/l	98
74) N-amyl acetate	6.46	43	344661	42.88	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	255016	42.74	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	299220	59.09	ug/l	83
77) Bromobenzene	11.26	156	202227	42.93	ug/l	97
78) n-propylbenzene	11.36	91	845739	44.23	ug/l	98
79) 2-Chlorotoluene	11.42	91	527337	45.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	629137	44.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	77672	47.48	ug/l	96
82) 4-Chlorotoluene	11.51	91	609241	44.23	ug/l	99
83) tert-Butylbenzene	11.77	119	650454	46.11	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	672813	46.43	ug/l	98
85) sec-Butylbenzene	11.95	105	742000	44.94	ug/l	99
86) p-Isopropyltoluene	12.07	119	692672	46.34	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	403389	44.90	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	413969	44.77	ug/l	98
89) n-Butylbenzene	12.39	91	570070	48.40	ug/l	98
90) Hexachloroethane	12.60	117	106932	47.81	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	412661	50.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47636	45.42	ug/l	97

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QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

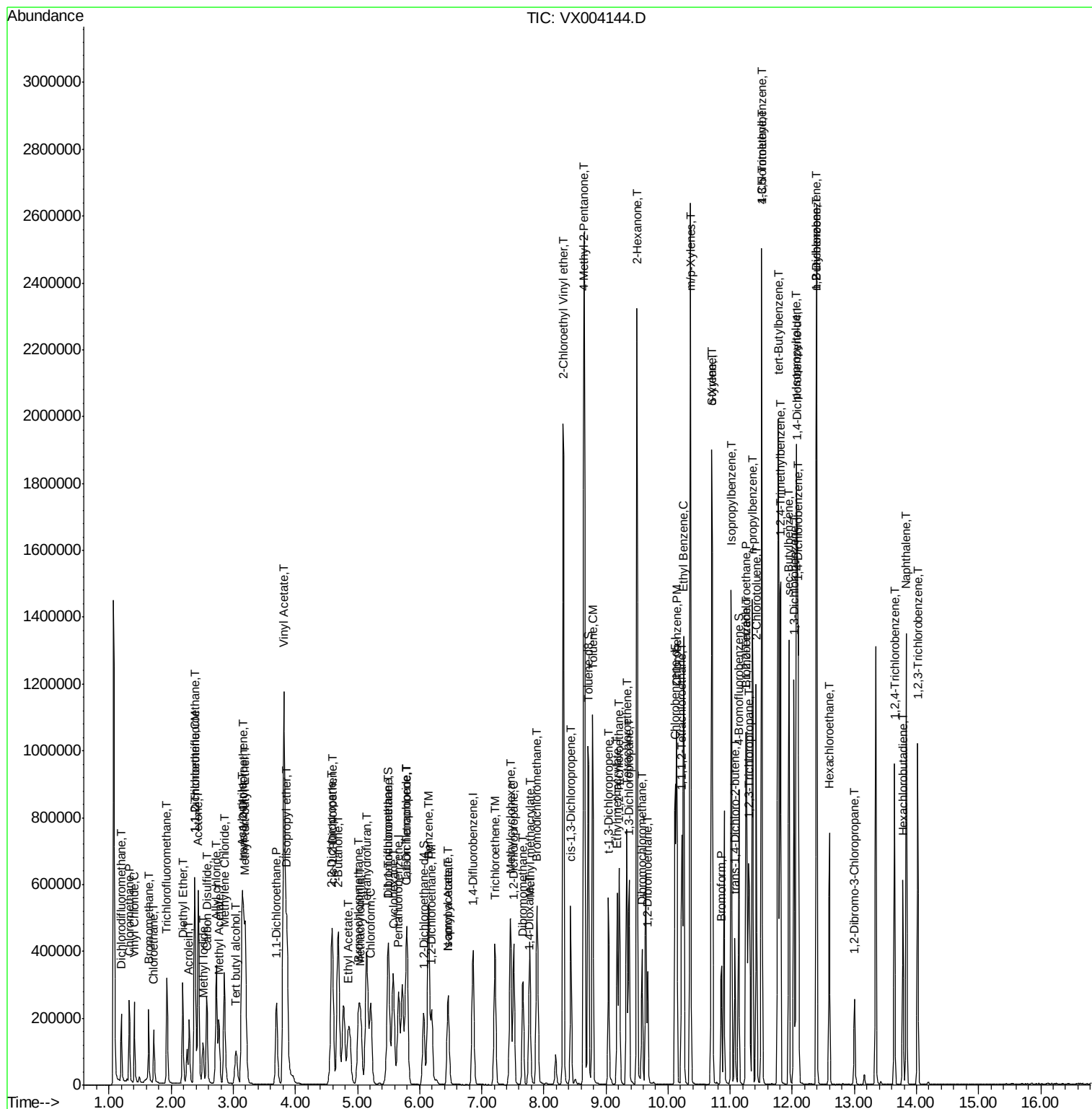
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	243894	44.04	ug/l	100
94) Hexachlorobutadiene	13.79	225	100108	36.06	ug/l	100
95) Naphthalene	13.83	128	786143	44.65	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	271219	44.91	ug/l	99

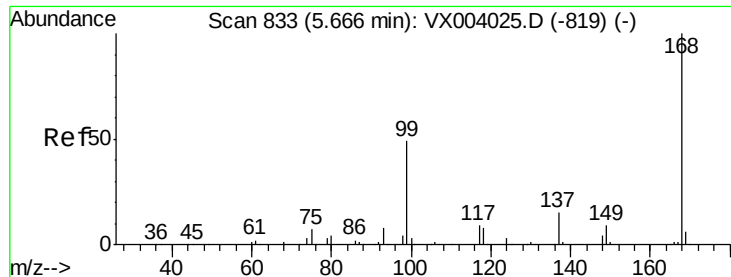
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

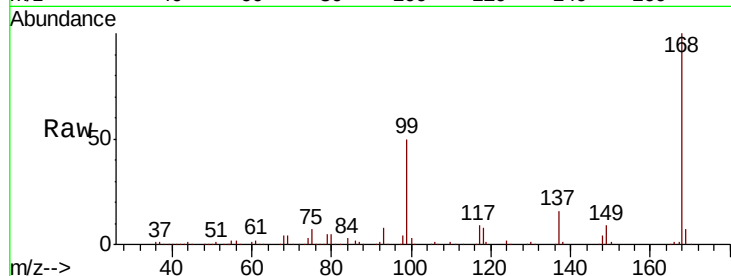
VSTDCCC050

Tot Ion:168 Resp: 279626

Ion Ratio Lower Upper

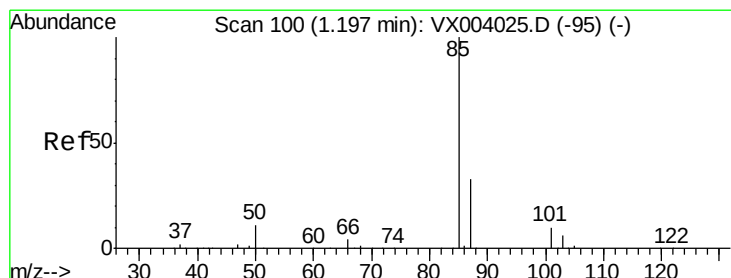
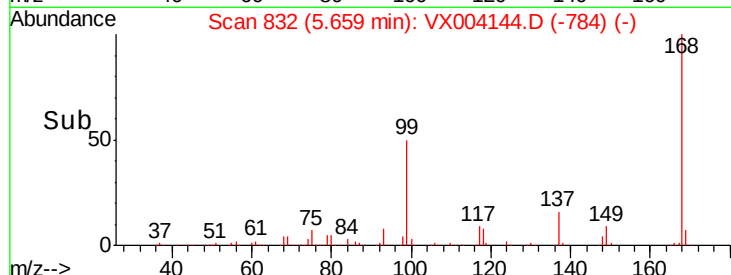
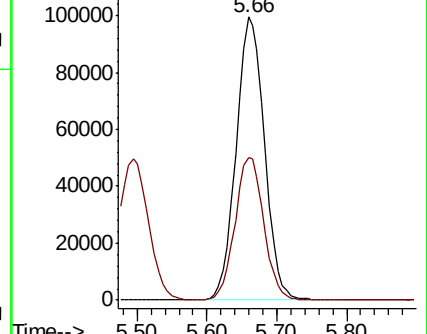
168 100

99 50.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 42.54 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004144.D

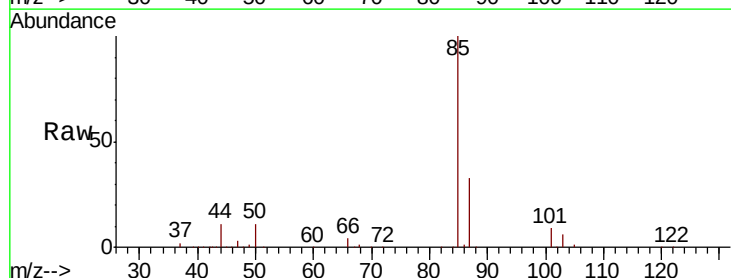
Acq: 20 Aug 2018 10:16

Tgt Ion: 85 Resp: 115787

Ion Ratio Lower Upper

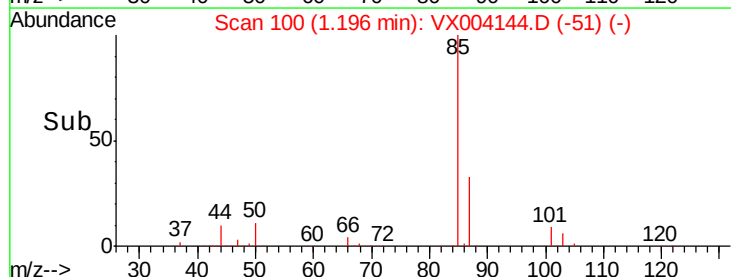
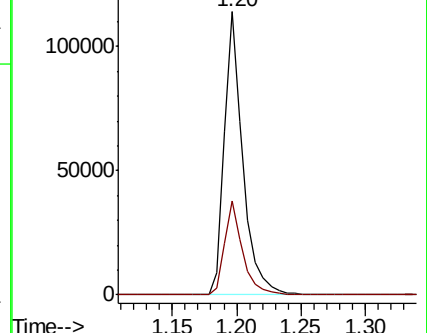
85 100

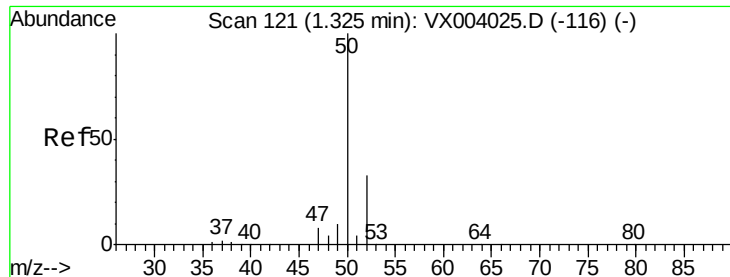
87 33.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.87 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

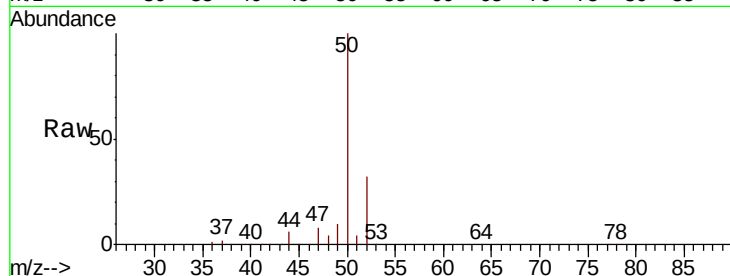
VSTDCCC050

Tot Ion: 50 Resp: 166590

Ion Ratio Lower Upper

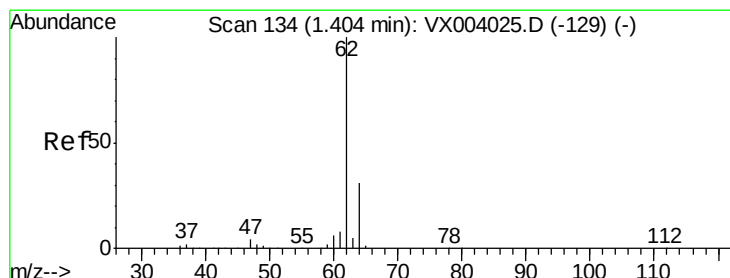
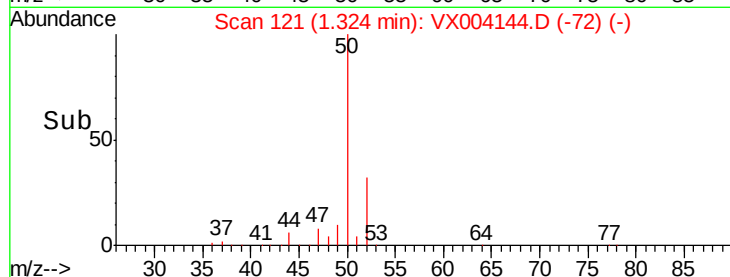
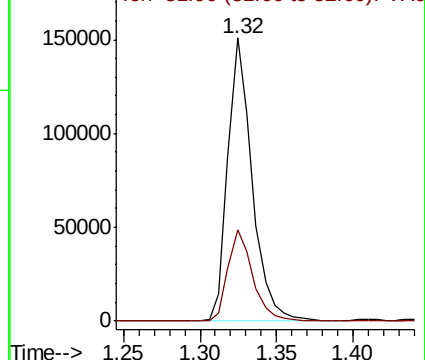
50 100

52 32.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.40 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX004144.D

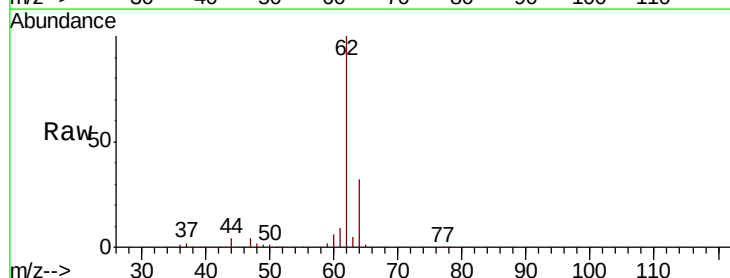
Acq: 20 Aug 2018 10:16

Tgt Ion: 62 Resp: 153237

Ion Ratio Lower Upper

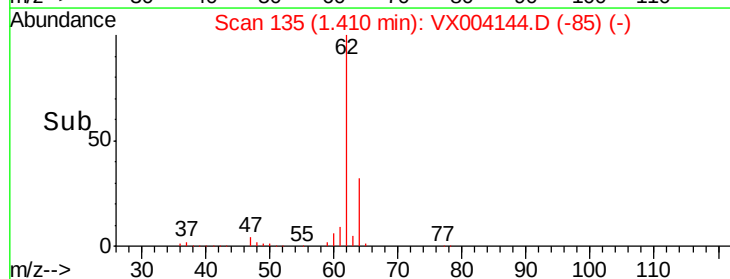
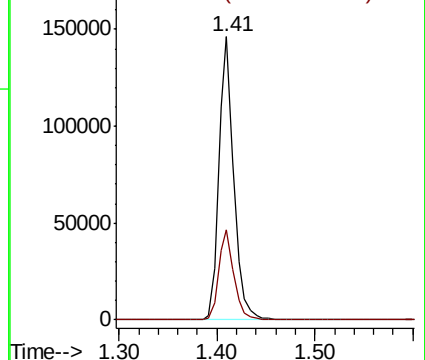
62 100

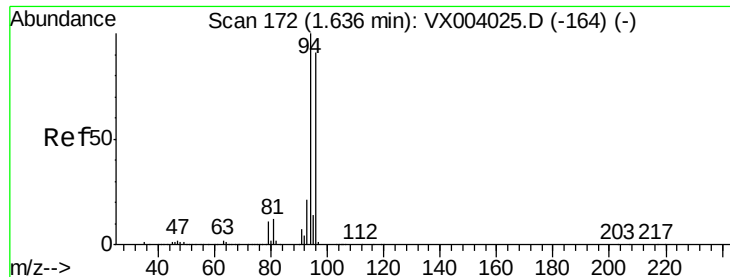
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.25 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

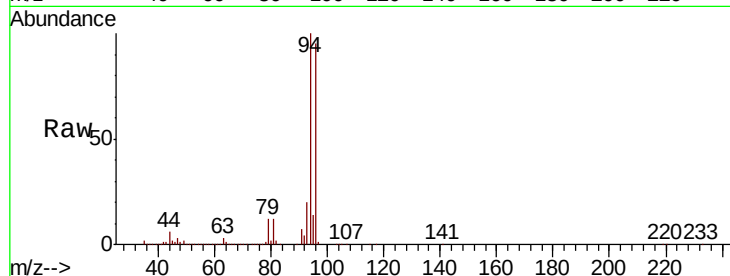
VSTDCCC050

Tot Ion: 94 Resp: 79264

Ion Ratio Lower Upper

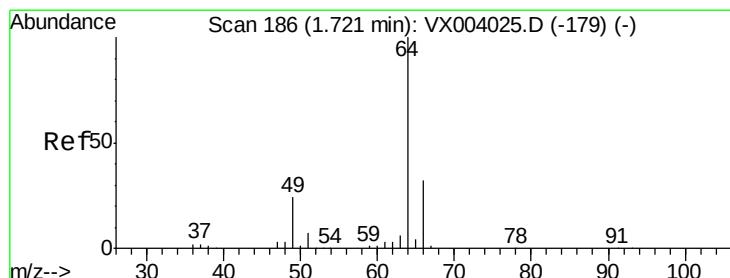
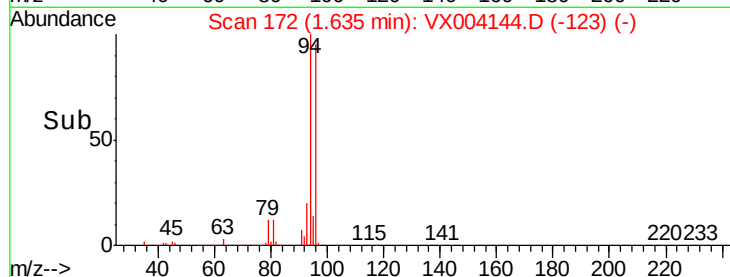
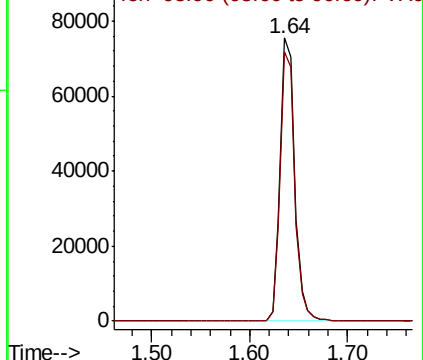
94 100

96 95.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.95 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX004144.D

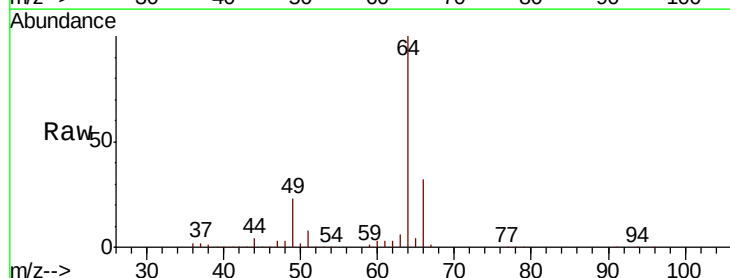
Acq: 20 Aug 2018 10:16

Tgt Ion: 64 Resp: 111873

Ion Ratio Lower Upper

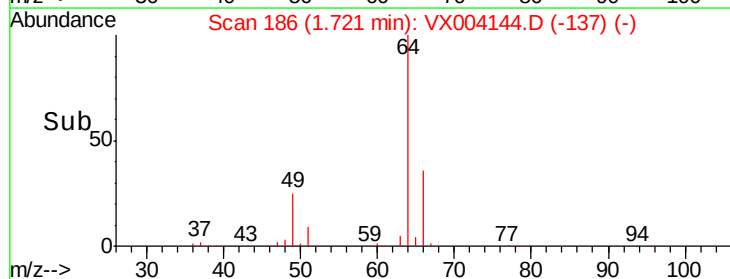
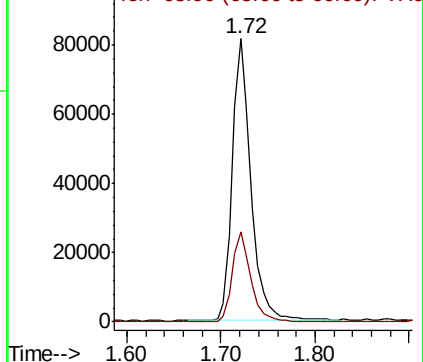
64 100

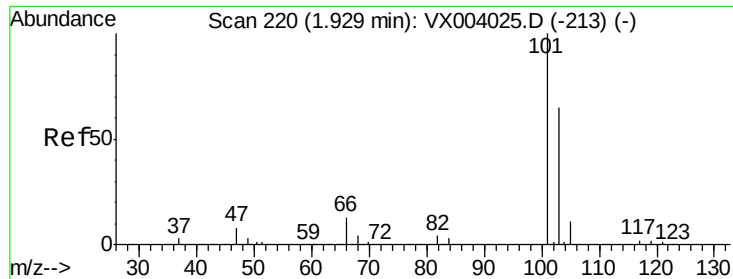
66 32.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 42.26 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

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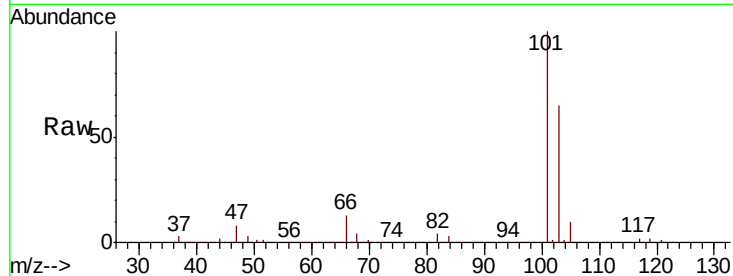
VSTDCCC050

Tot Ion:101 Resp: 214259

Ion Ratio Lower Upper

101 100

103 64.9 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

150000

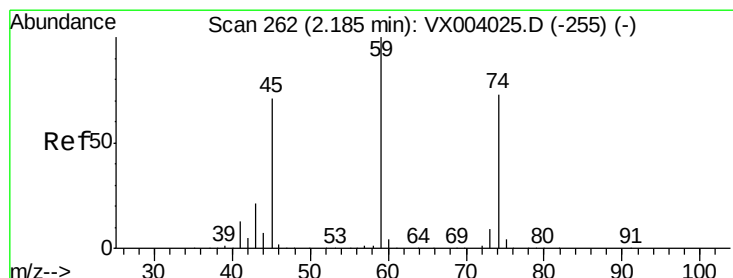
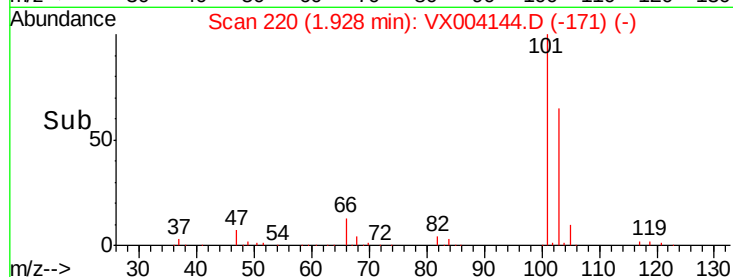
100000

50000

0

1.90 2.00

Time-->



#8

Diethyl Ether

Concen: 47.44 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004144.D

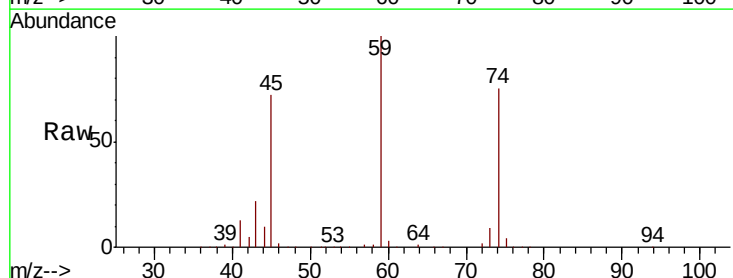
Acq: 20 Aug 2018 10:16

Tgt Ion: 74 Resp: 105006

Ion Ratio Lower Upper

74 100

45 94.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

80000

60000

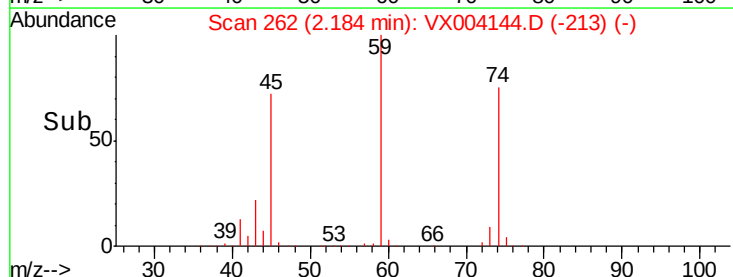
40000

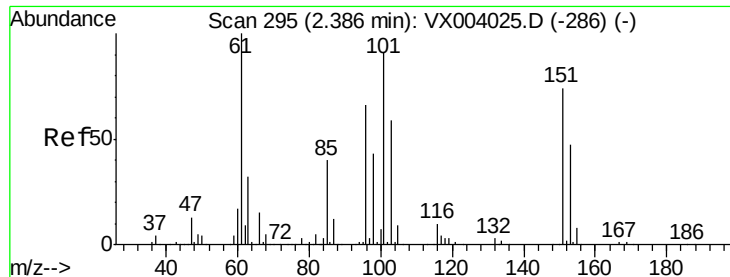
20000

0

2.10 2.20 2.30

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.39 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004144.D

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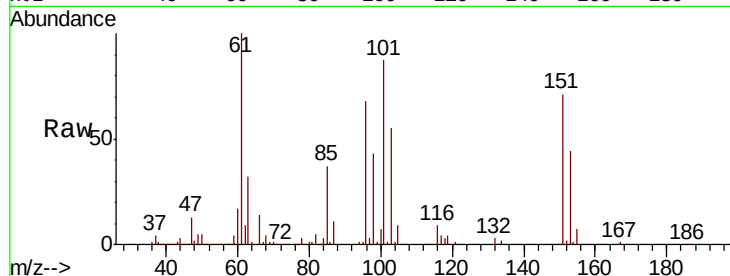
Tot Ion:101 Resp: 134085

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.4

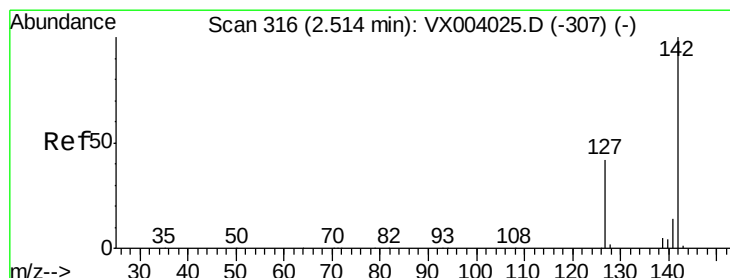
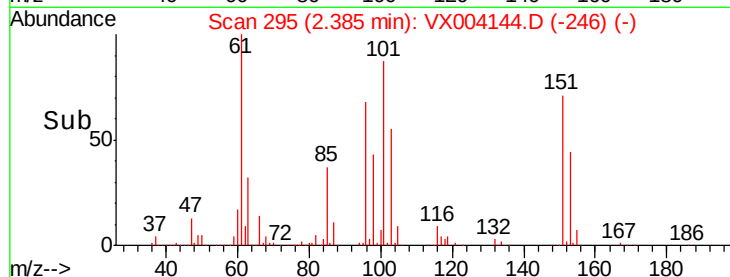
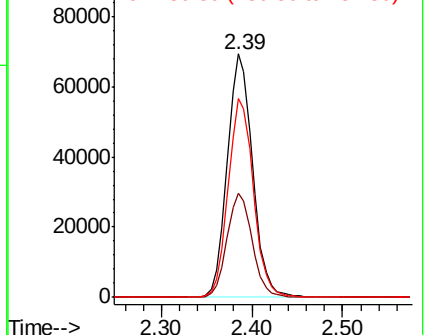
151 81.9 65.0 97.4



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: 37.57 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

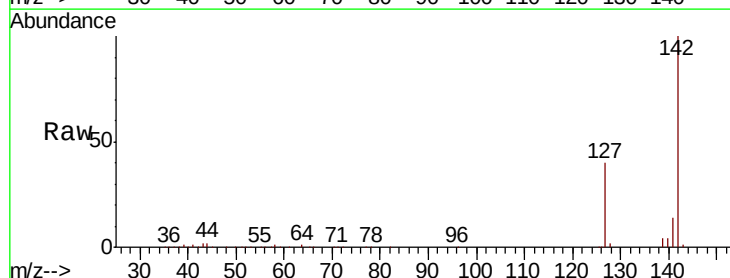
Tgt Ion:142 Resp: 122235

Ion Ratio Lower Upper

142 100

127 41.4 33.1 49.7

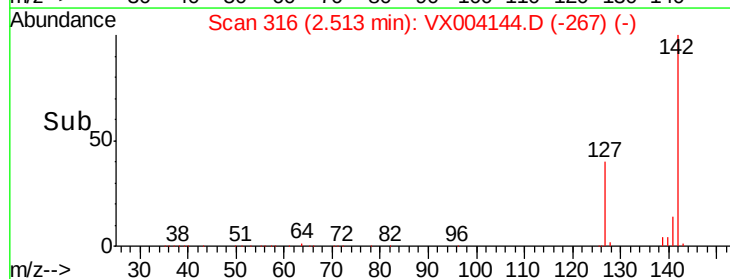
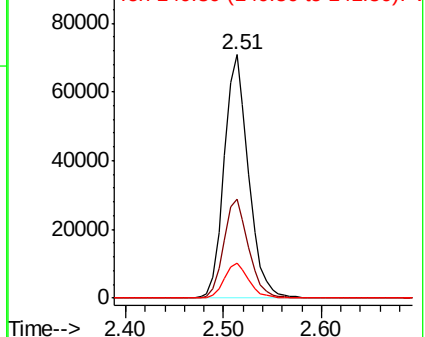
141 14.4 11.1 16.7

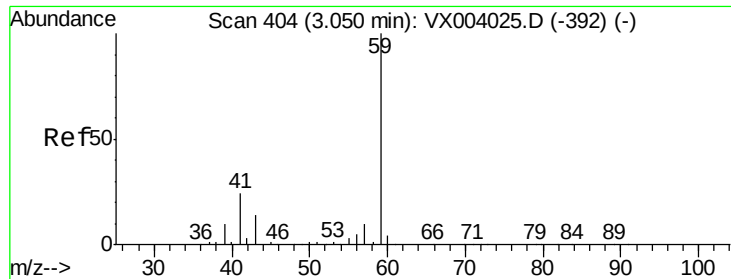


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

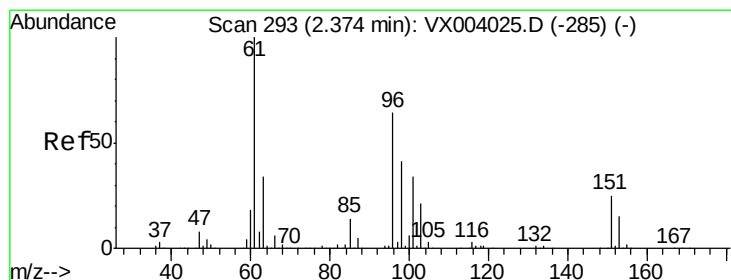
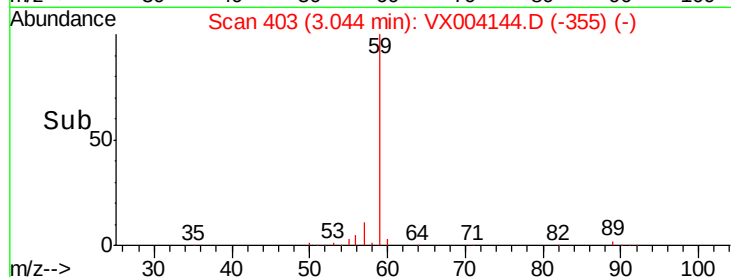
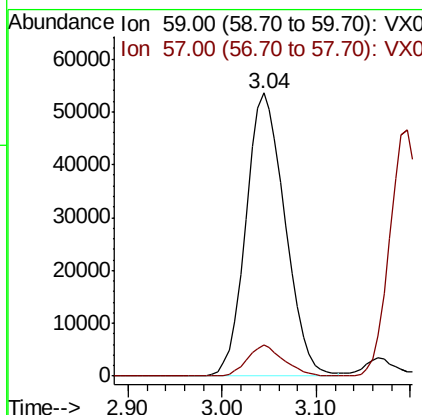
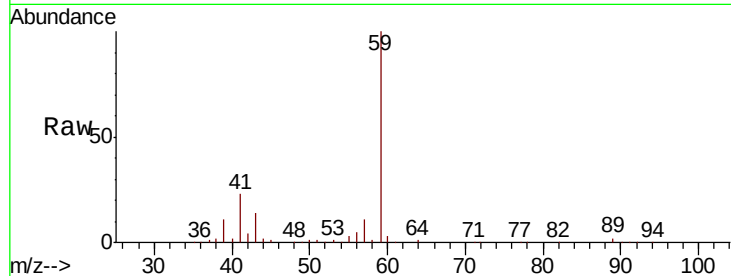




#11
Tert butyl alcohol
Concen: 196.11 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

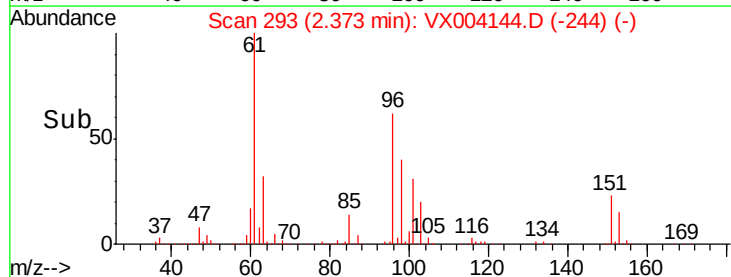
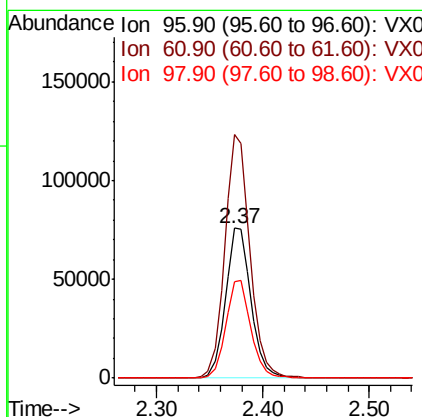
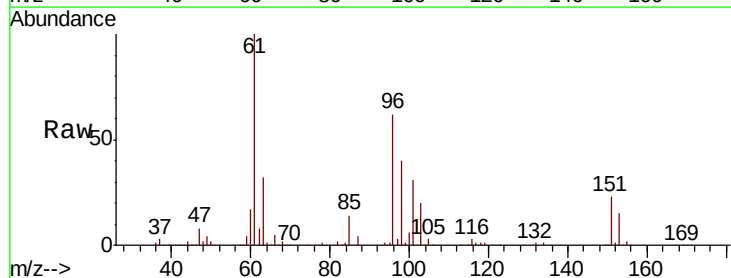
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

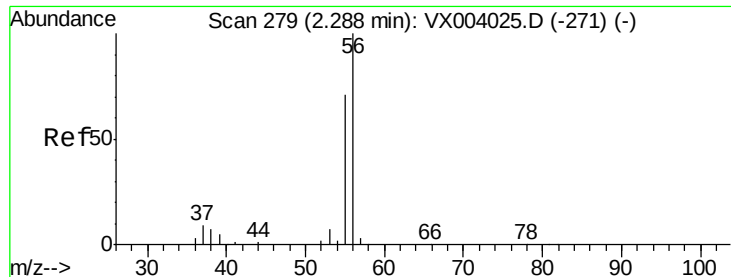
Tot Ion: 59 Resp: 155585
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#12
1,1-Dichloroethene
Concen: 43.11 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 96 Resp: 126820
Ion Ratio Lower Upper
96 100
61 162.4 131.3 196.9
98 64.7 51.8 77.6

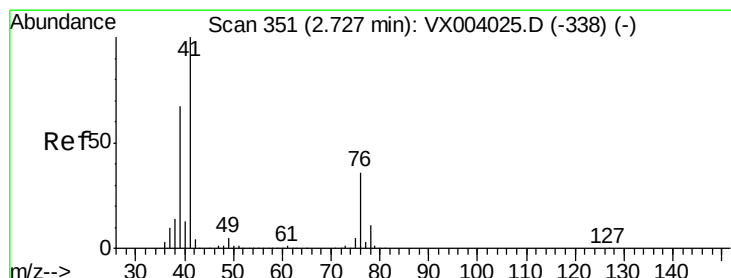
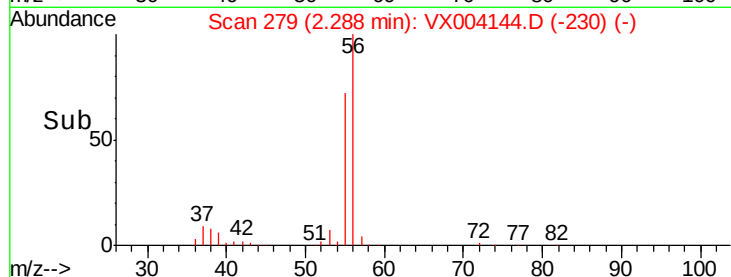
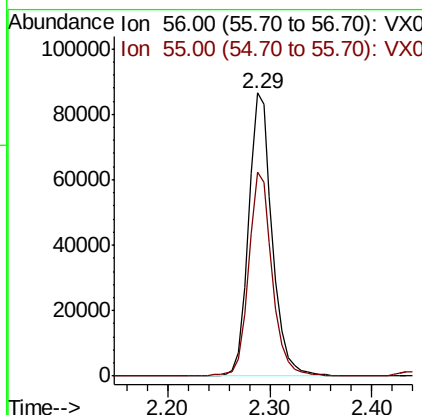
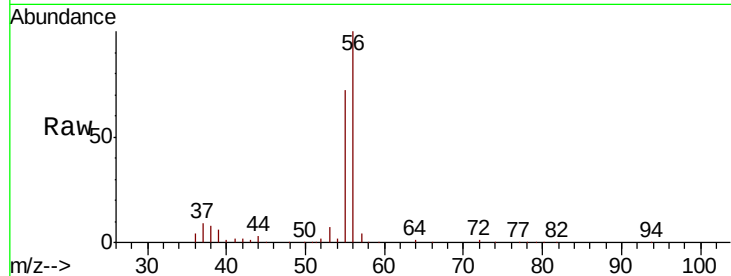




#13
 Acrolein
 Concen: 258.31 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

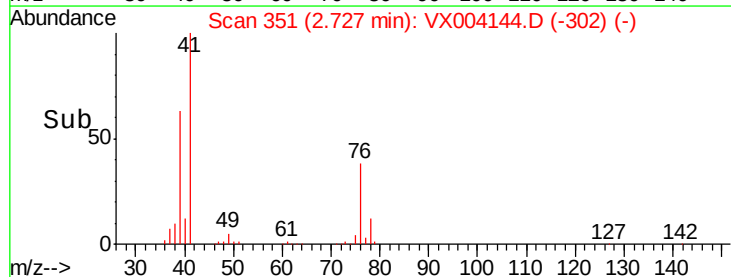
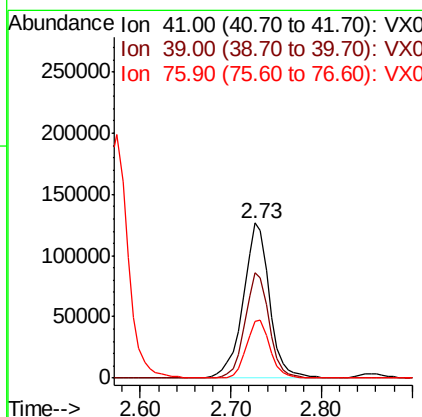
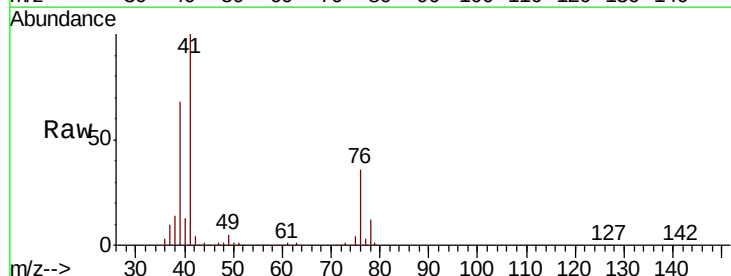
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

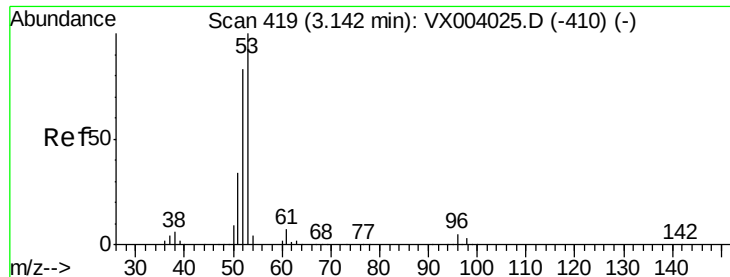
Tot Ion: 56 Resp: 139245
 Ion Ratio Lower Upper
 56 100
 55 71.9 56.1 84.1



#14
 Allyl chloride
 Concen: 45.23 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 41 Resp: 253142
 Ion Ratio Lower Upper
 41 100
 39 62.8 47.4 71.0
 76 33.7 26.0 39.0





#15

Acrylonitrile

Concen: 225.02 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

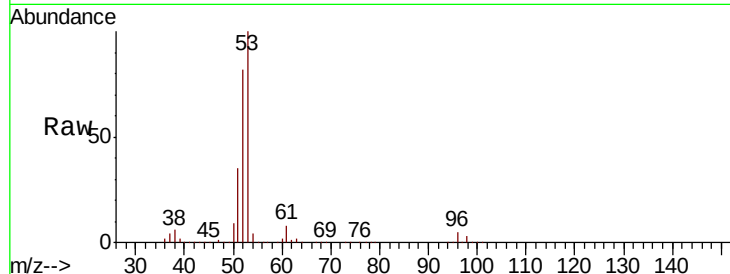
Tot Ion: 53 Resp: 445122

Ion Ratio Lower Upper

53 100

52 81.8 65.3 97.9

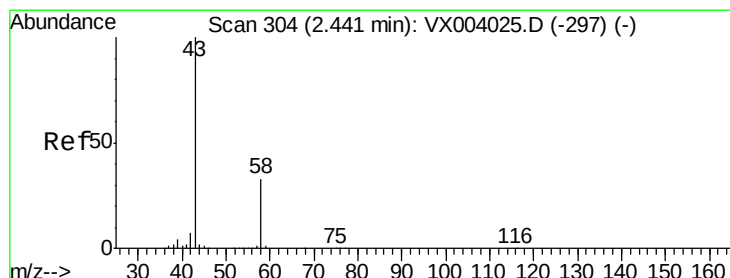
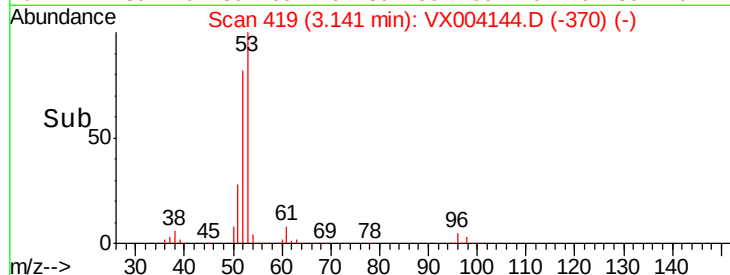
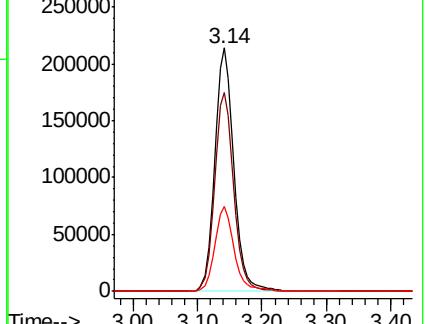
51 35.3 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 307.46 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004144.D

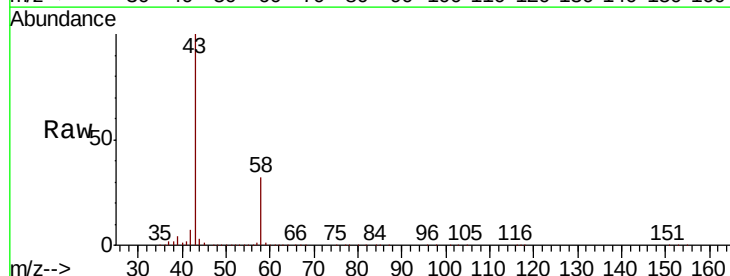
Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 629793

Ion Ratio Lower Upper

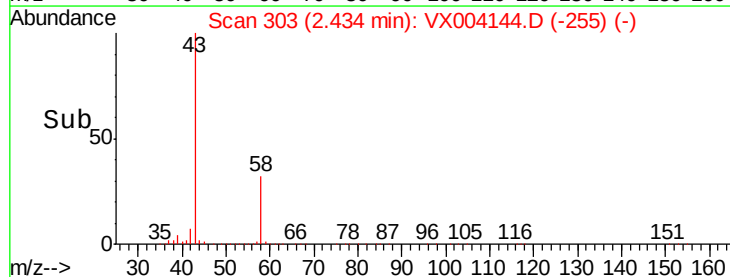
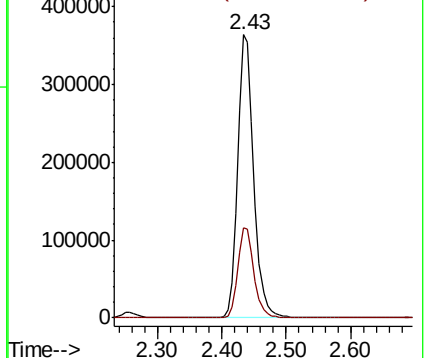
43 100

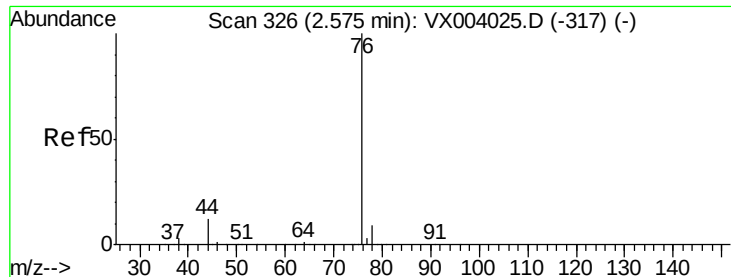
58 31.9 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 40.49 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

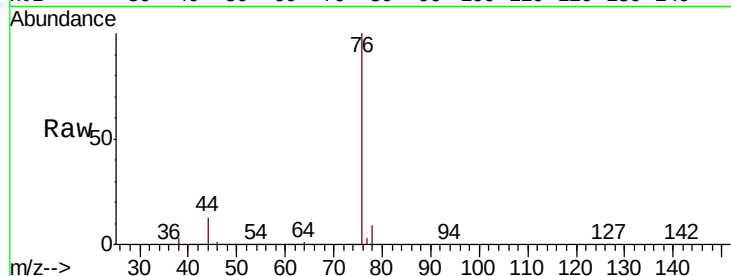
VSTDCCC050

Tot Ion: 76 Resp: 337814

Ion Ratio Lower Upper

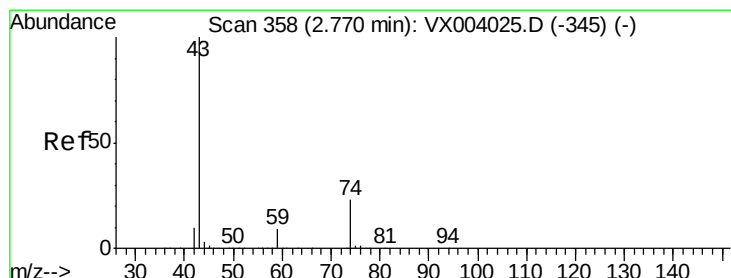
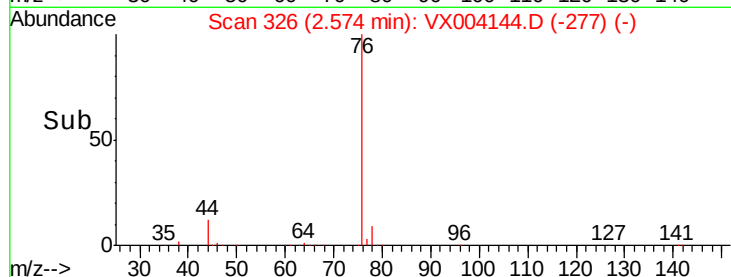
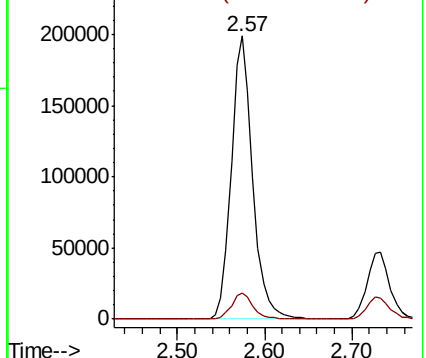
76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.88 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004144.D

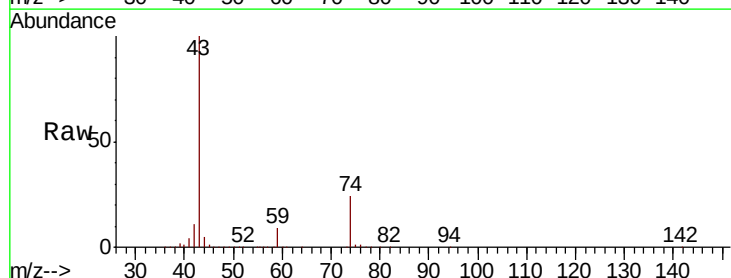
Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 222498

Ion Ratio Lower Upper

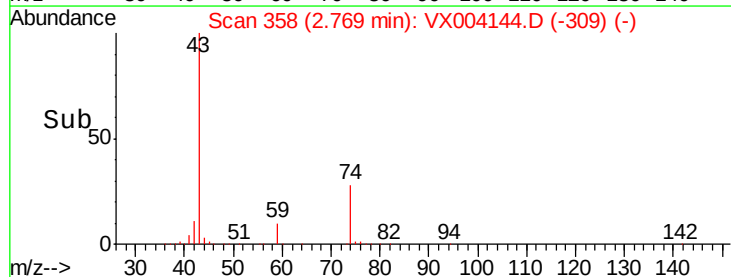
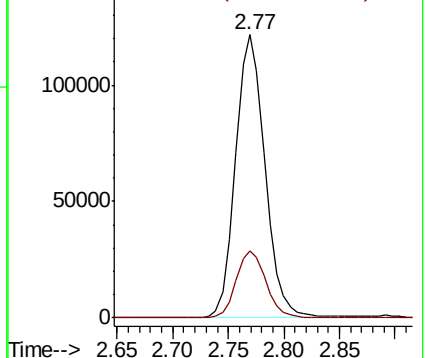
43 100

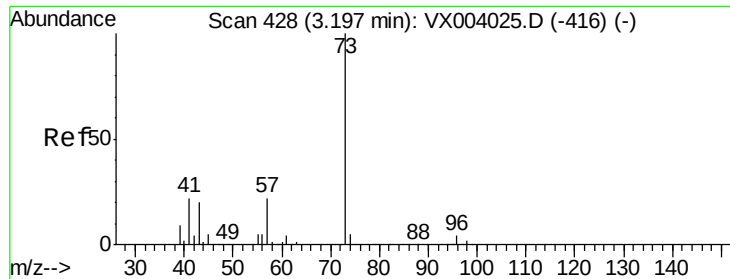
74 24.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

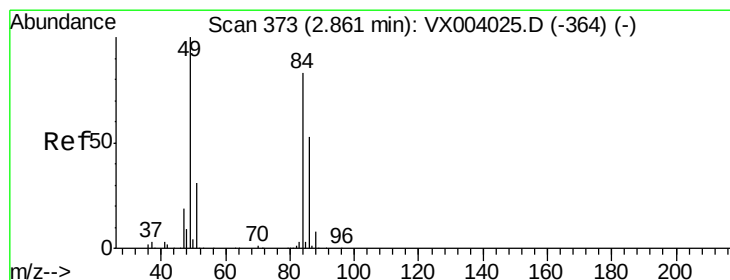
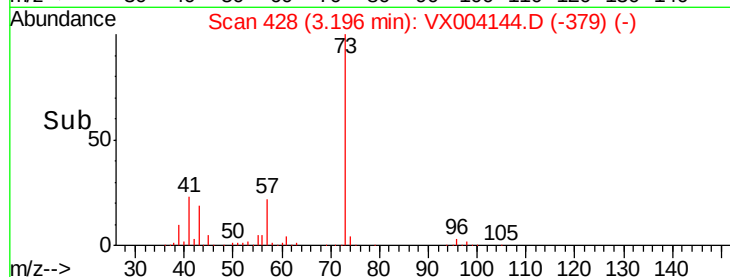
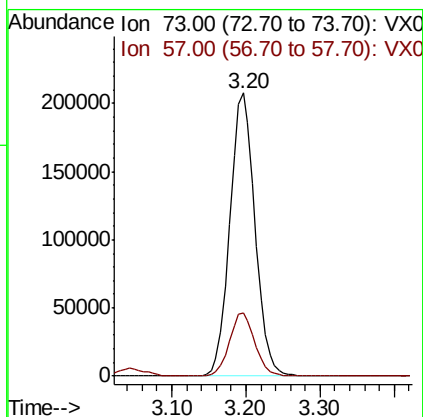
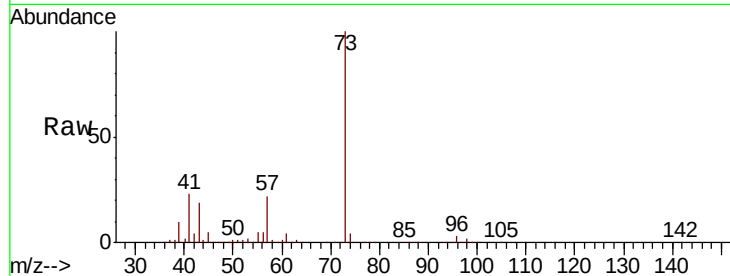




#19
Methvl tert-butvl Ether
Concen: 47.35 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

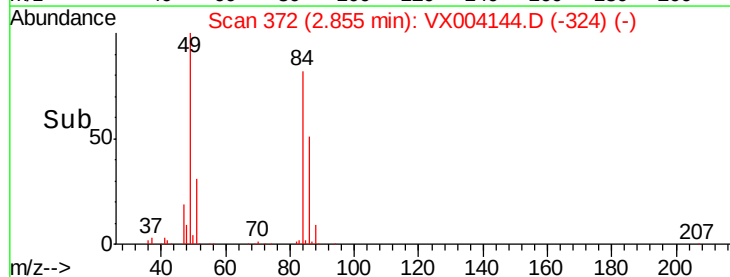
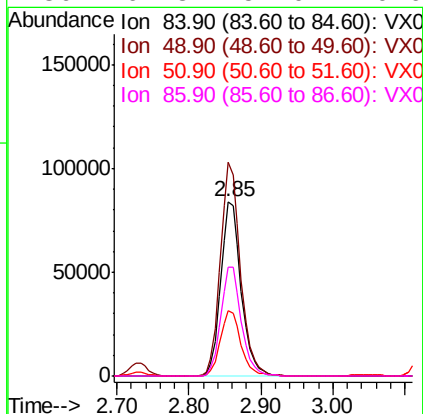
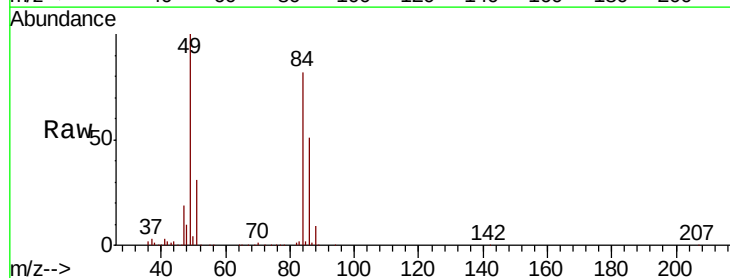
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

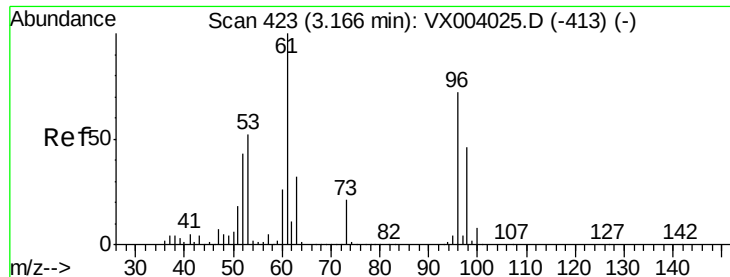
Tot Ion: 73 Resp: 490745
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0



#20
Methylene Chloride
Concen: 49.27 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 84 Resp: 164971
Ion Ratio Lower Upper
84 100
49 122.3 98.9 148.3
51 37.3 29.9 44.9
86 62.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 44.01 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

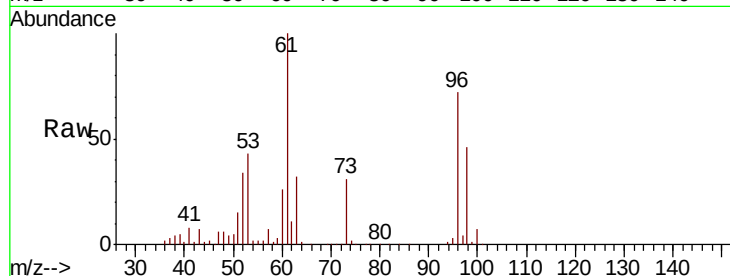
Tot Ion: 96 Resp: 147040

Ion Ratio Lower Upper

96 100

61 138.4 111.8 167.6

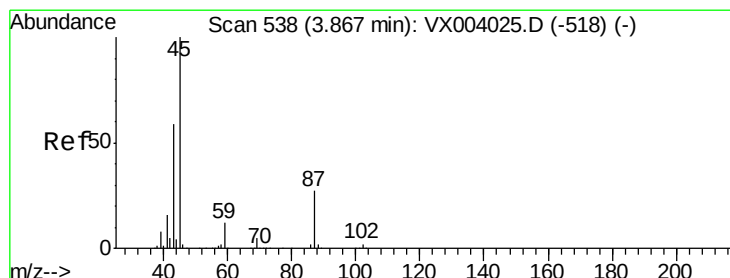
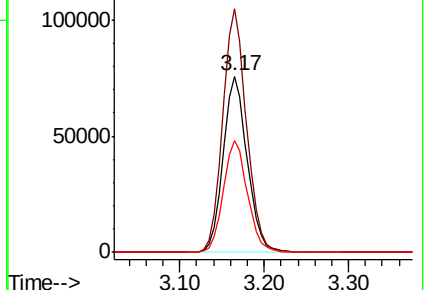
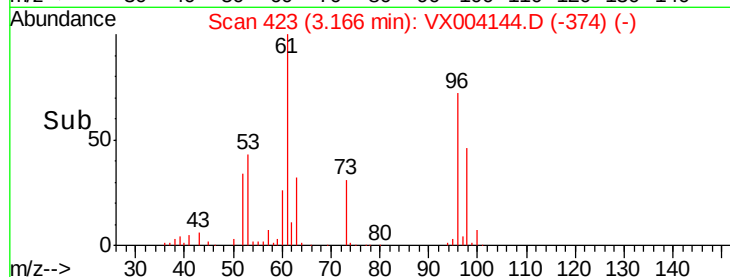
98 63.7 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.79 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion: 45 Resp: 546142

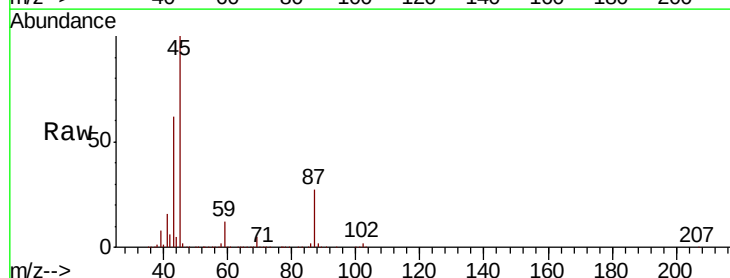
Ion Ratio Lower Upper

45 100

43 62.0 45.3 67.9

87 27.3 22.7 34.1

59 11.8 9.6 14.4

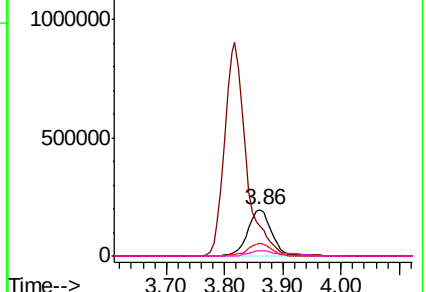
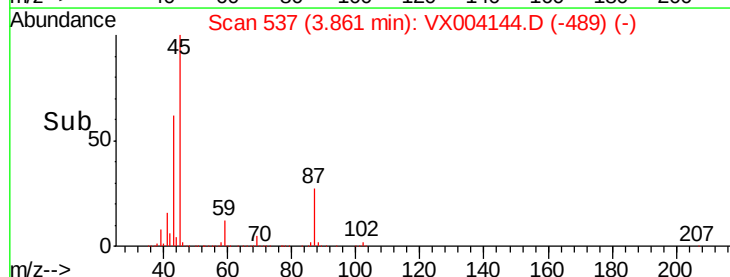


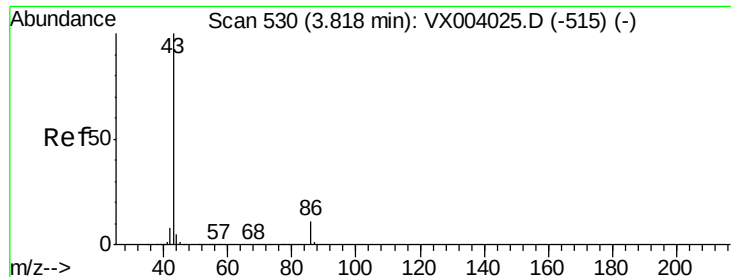
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 258.30 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

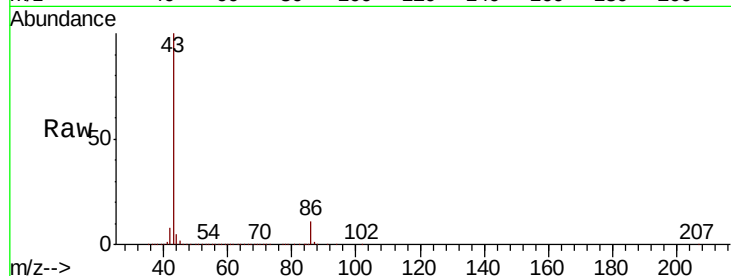
VSTDCCC050

Tot Ion: 43 Resp: 2326857

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

600000

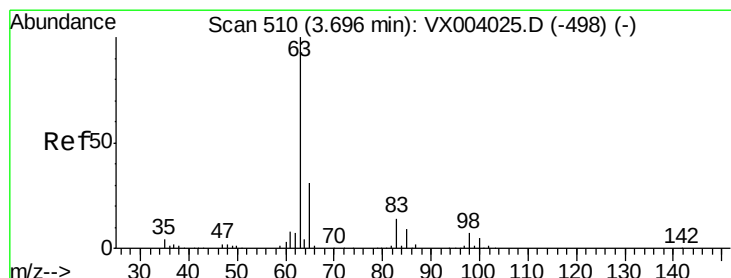
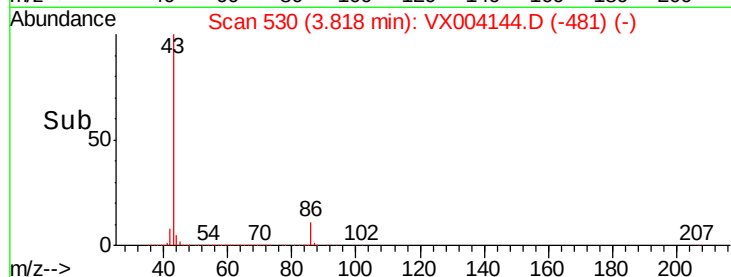
400000

200000

0

Time-->

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 45.70 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

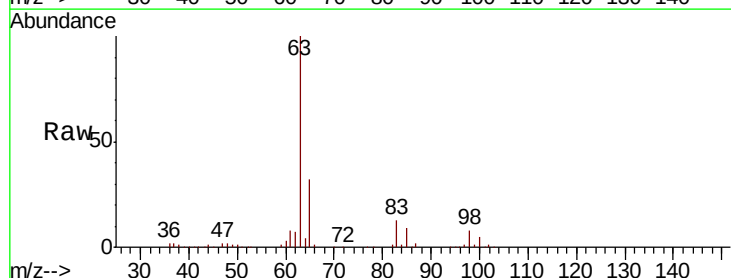
Tgt Ion: 63 Resp: 283921

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

100 4.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

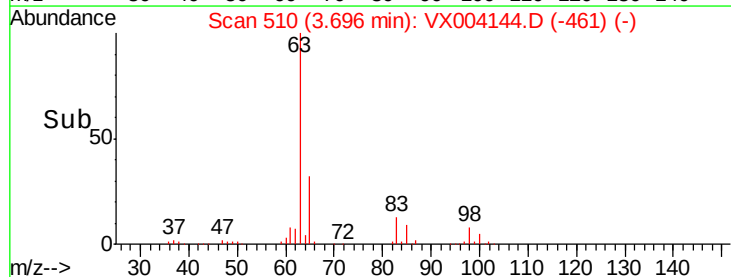
100000

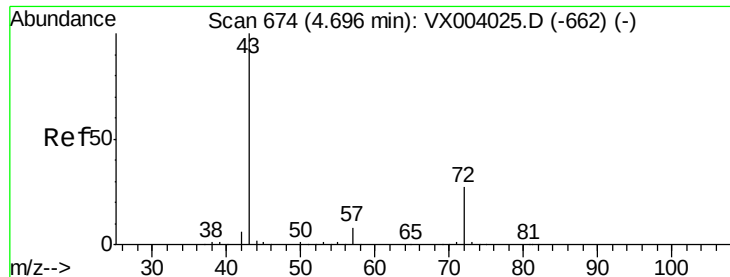
50000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 245.09 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

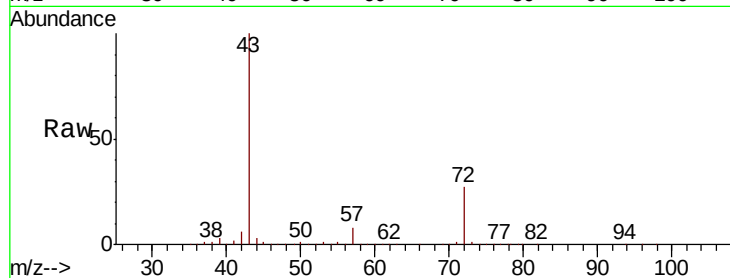
VSTDCCC050

Tot Ion: 43 Resp: 816860

Ion Ratio Lower Upper

43 100

72 26.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

300000

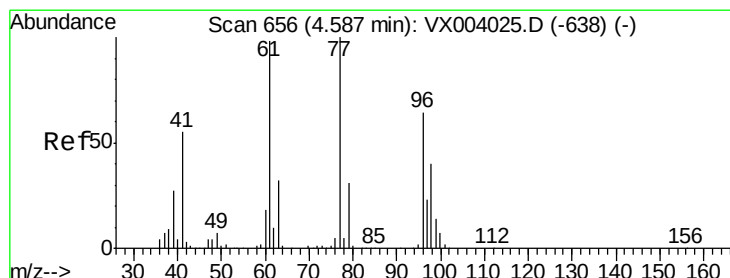
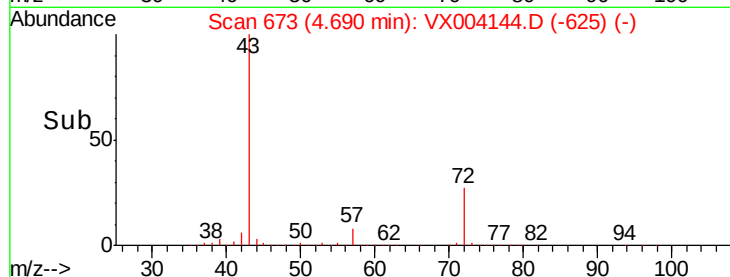
200000

100000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 46.30 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004144.D

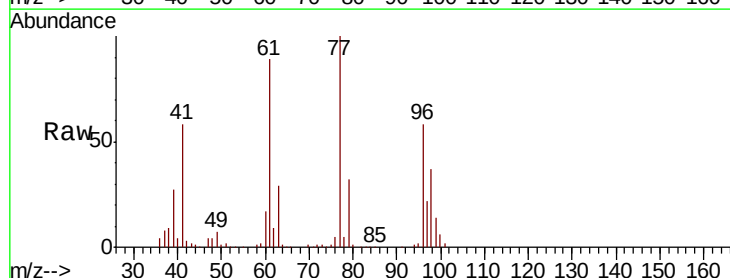
Acq: 20 Aug 2018 10:16

Tgt Ion: 77 Resp: 228652

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

80000

60000

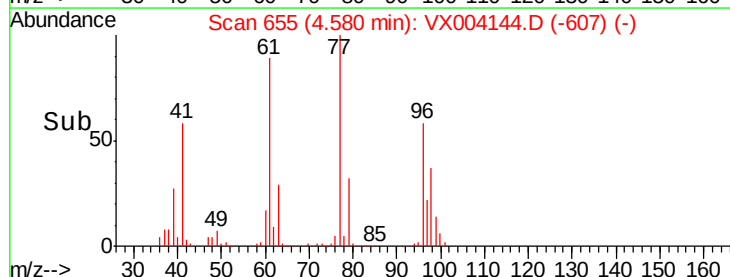
40000

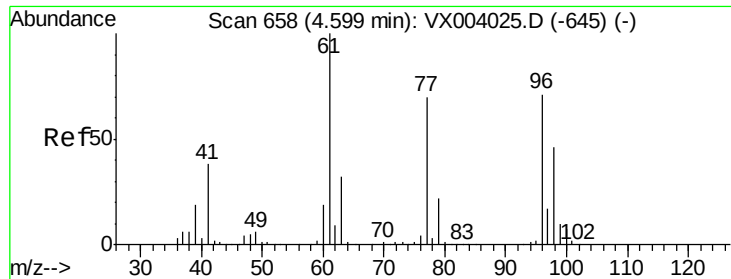
20000

0

Time-->

4.40 4.50 4.60 4.70





#27

cis-1,2-Dichloroethene

Concen: 46.07 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

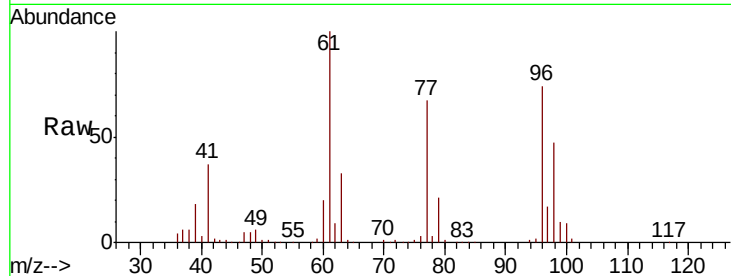
Tot Ion: 96 Resp: 173056

Ion Ratio Lower Upper

96 100

61 144.5 0.0 293.0

98 64.8 0.0 131.8

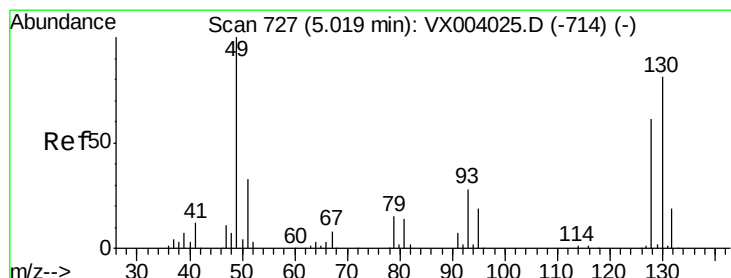
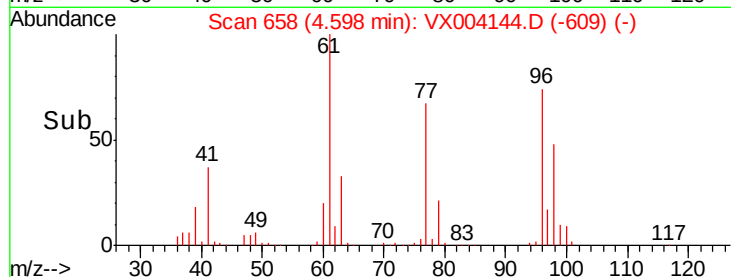
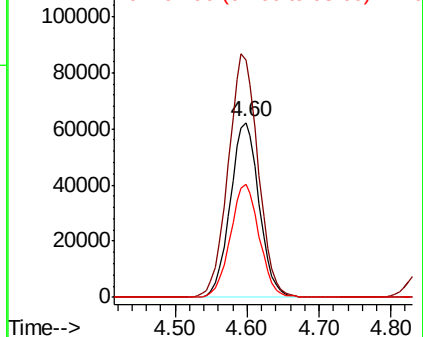


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 49.34 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

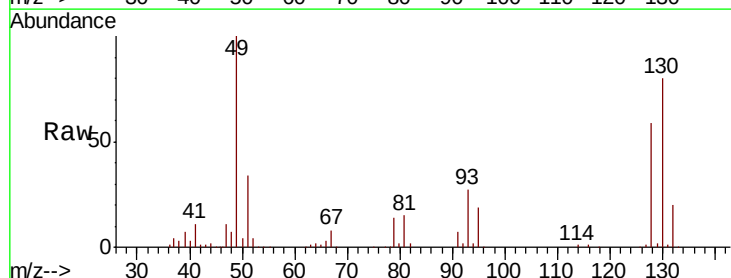
Tgt Ion: 49 Resp: 140622

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

130 79.0 66.5 99.7

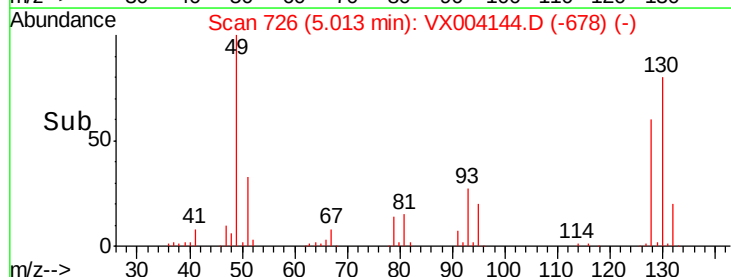
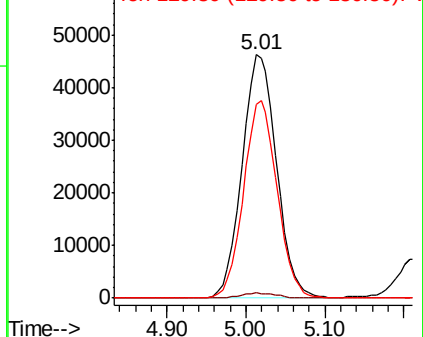


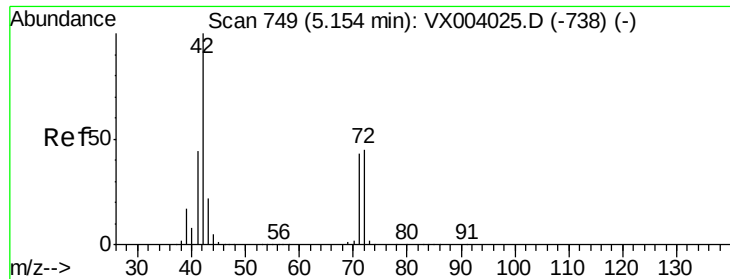
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 213.76 ug/l

RT: 5.15 min Scan# 748

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

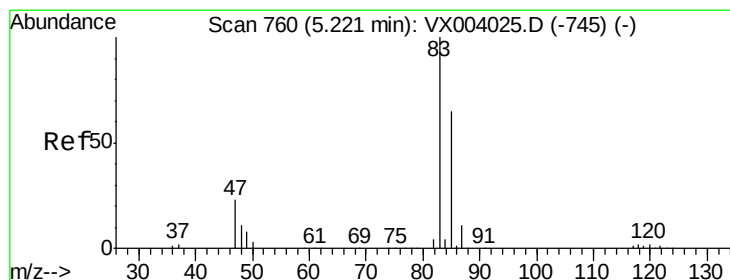
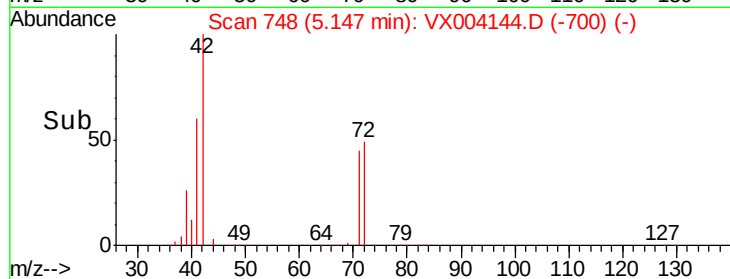
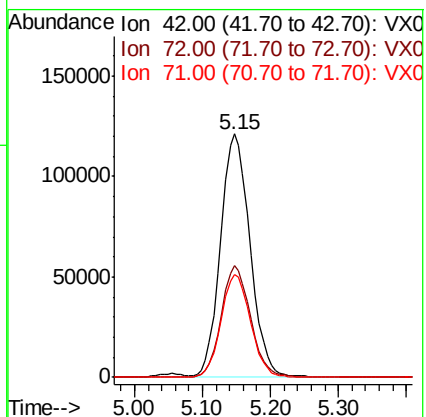
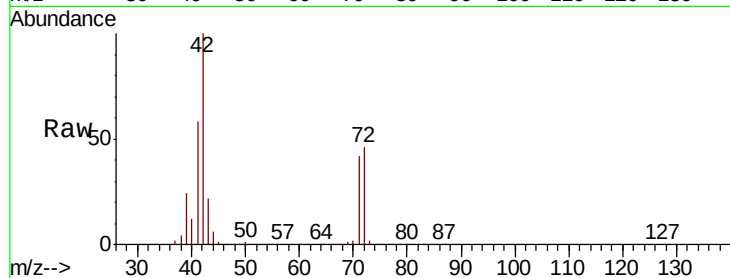
Tot Ion: 42 Resp: 363987

Ion Ratio Lower Upper

42 100

72 45.6 37.7 56.5

71 42.3 35.0 52.6



#30

Chloroform

Concen: 46.54 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX004144.D

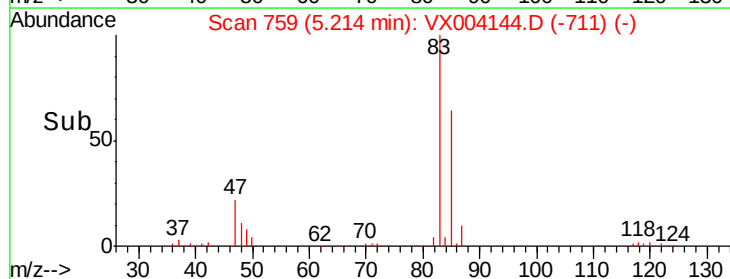
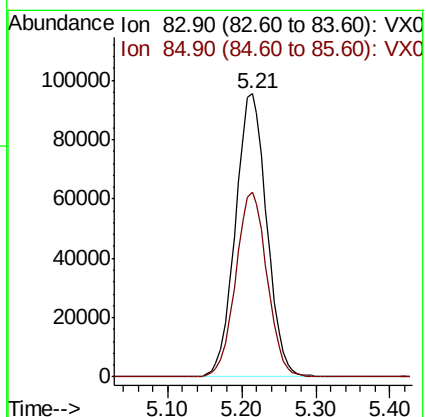
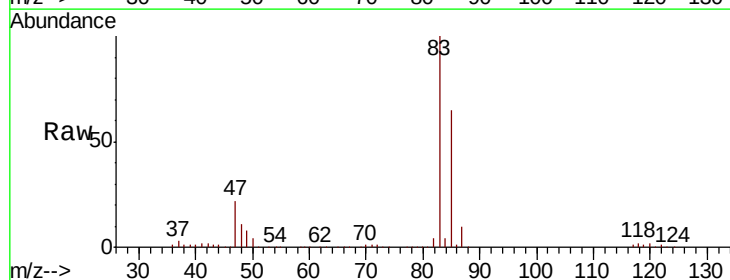
Acq: 20 Aug 2018 10:16

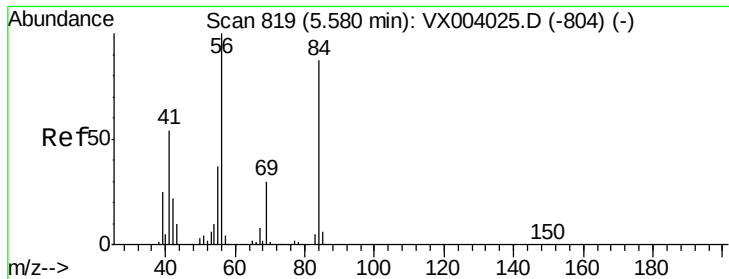
Tgt Ion: 83 Resp: 282191

Ion Ratio Lower Upper

83 100

85 65.2 50.7 76.1





#31

Cyclohexane

Concen: 39.75 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

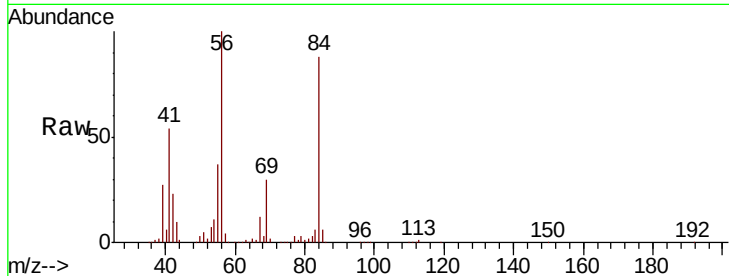
Tot Ion: 56 Resp: 216507

Ion Ratio Lower Upper

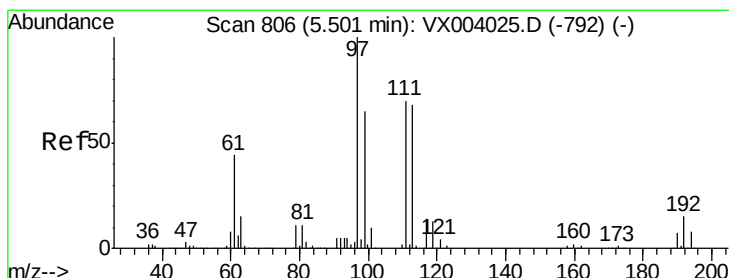
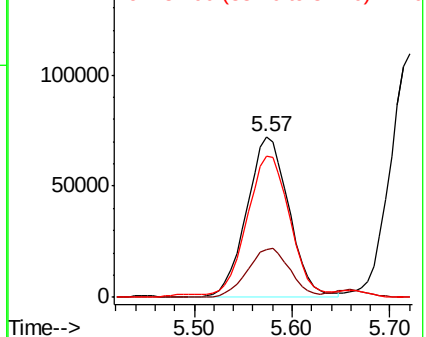
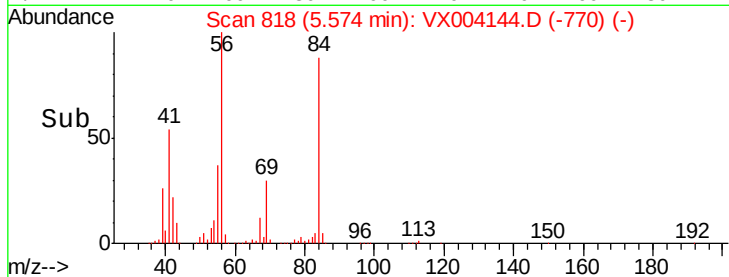
56 100

69 29.8 24.9 37.3

84 86.4 71.7 107.5



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: 46.40 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

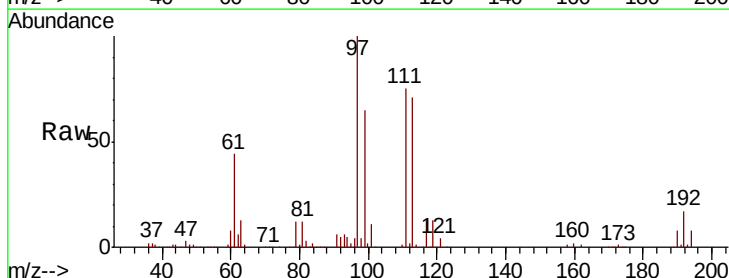
Tgt Ion: 97 Resp: 235091

Ion Ratio Lower Upper

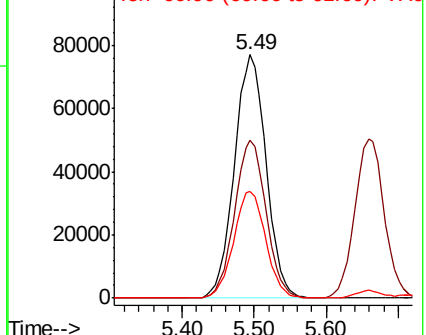
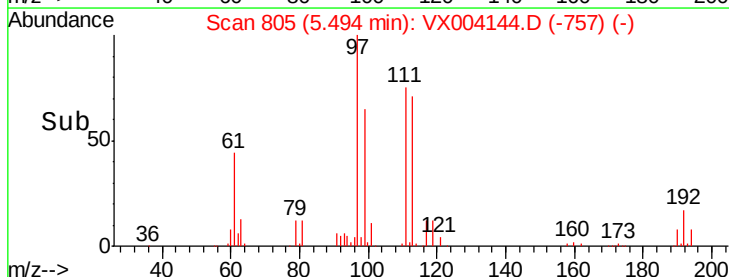
97 100

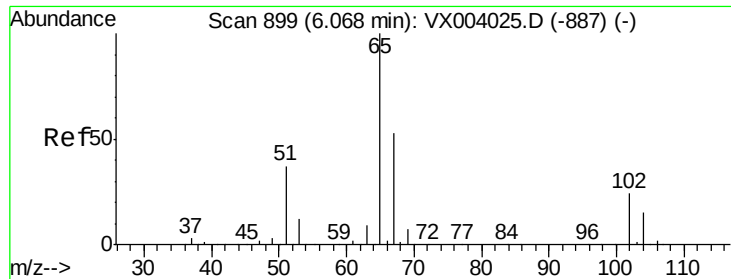
99 64.3 51.8 77.8

61 44.4 34.4 51.6



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

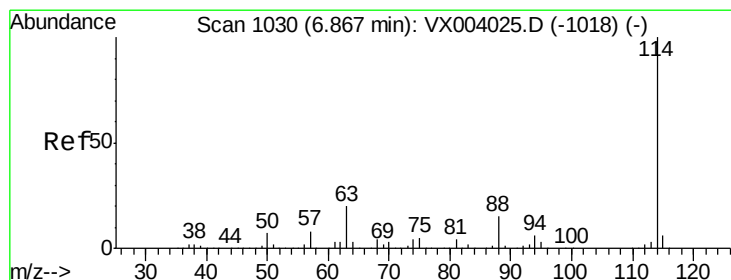
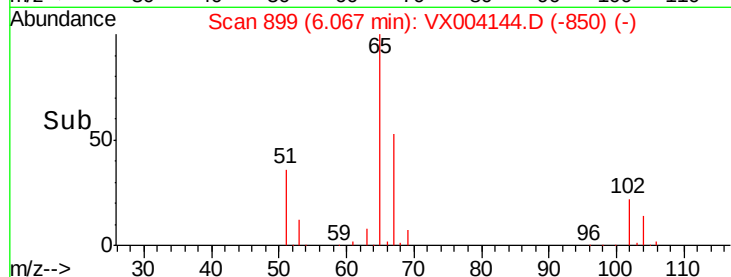
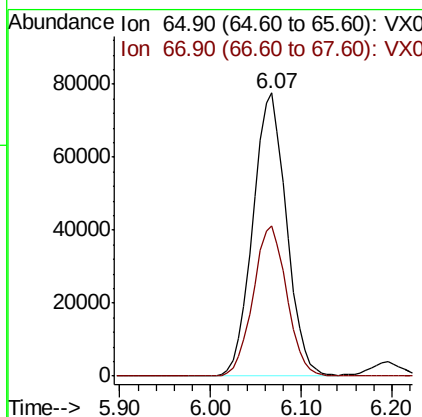
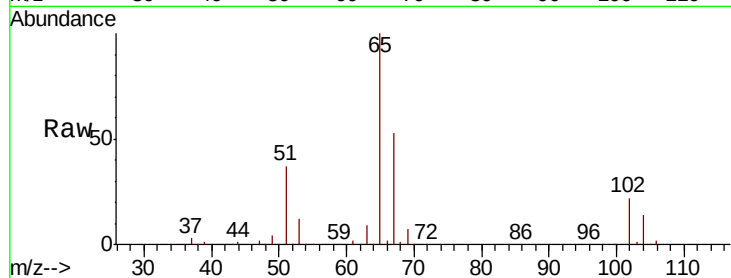




#33
 1,2-Dichloroethane-d4
 Concen: 50.55 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

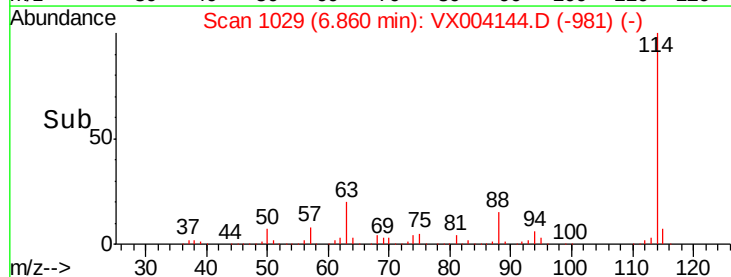
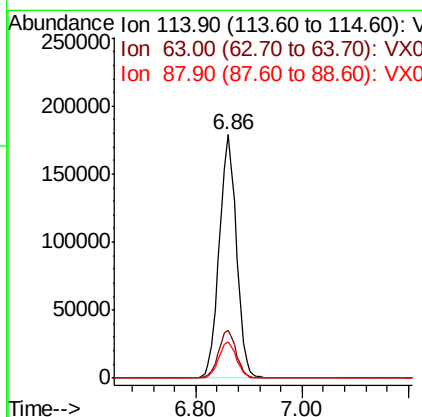
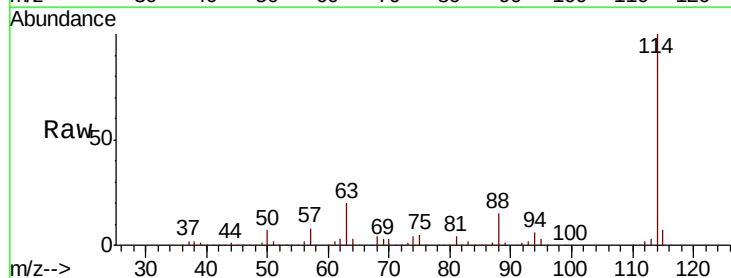
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

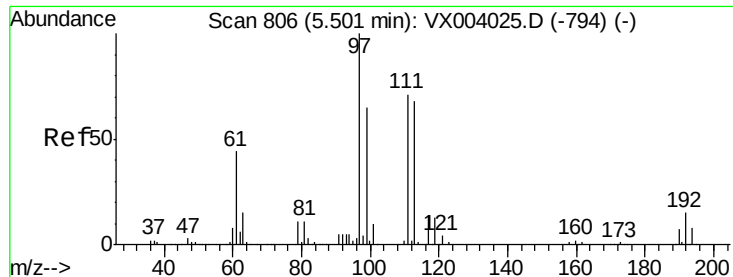
Tot Ion: 65 Resp: 199164
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 114 Resp: 406120
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 14.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.64 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

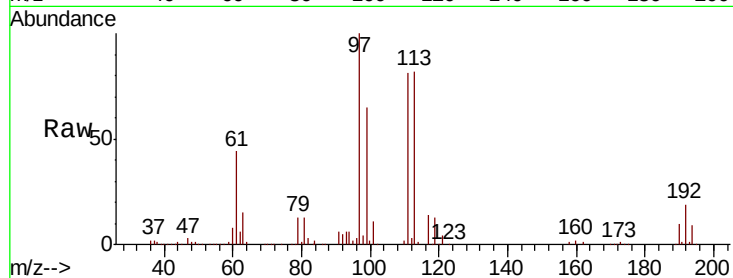
Tot Ion:113 Resp: 166081

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

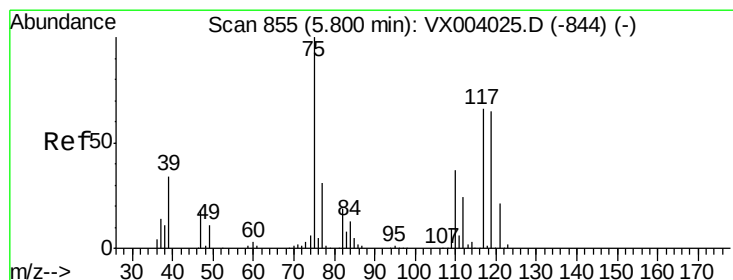
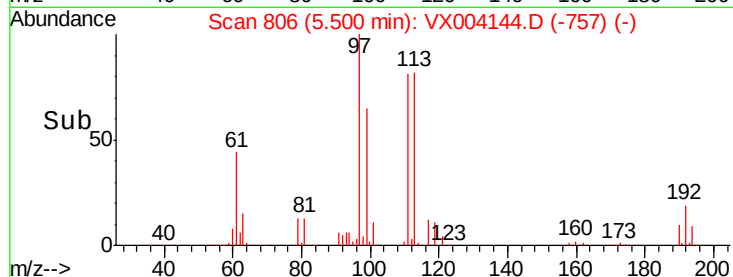
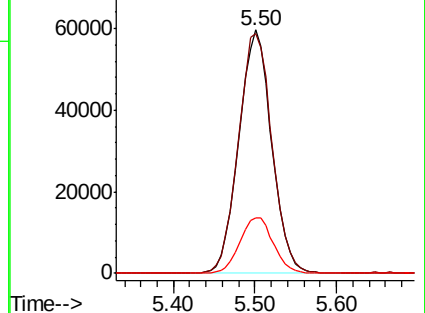
192 23.4 19.0 28.4



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: 44.75 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

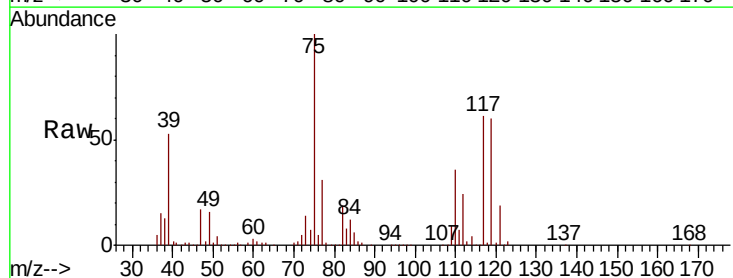
Tgt Ion: 75 Resp: 206813

Ion Ratio Lower Upper

75 100

110 36.5 18.2 54.6

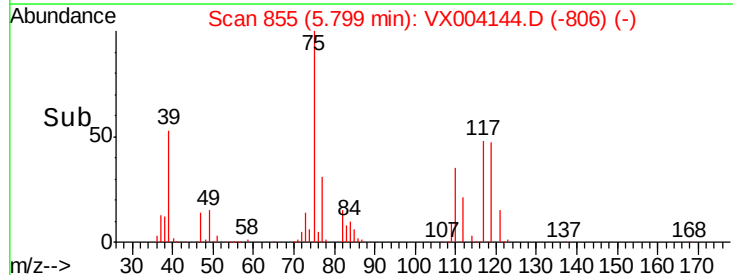
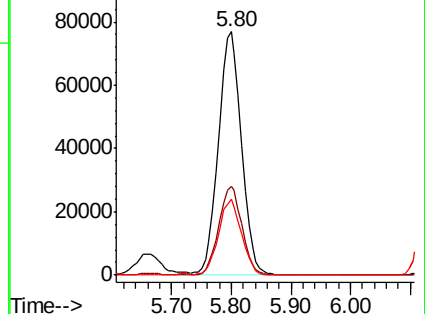
77 30.5 25.0 37.4

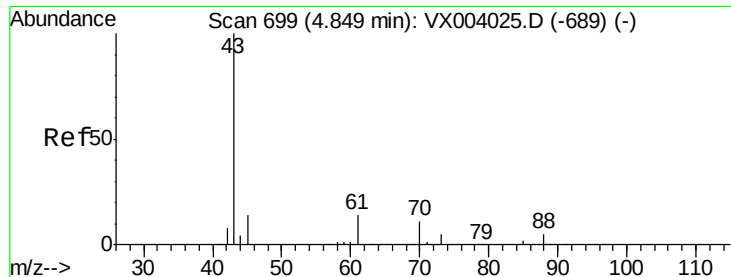


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

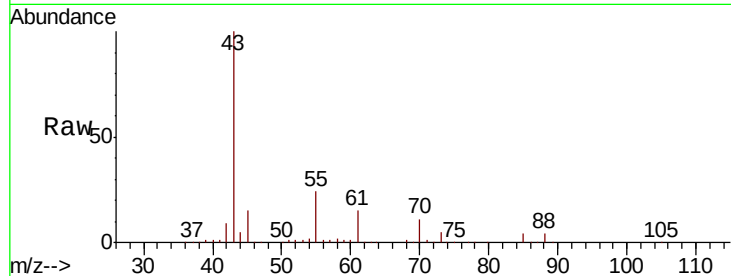




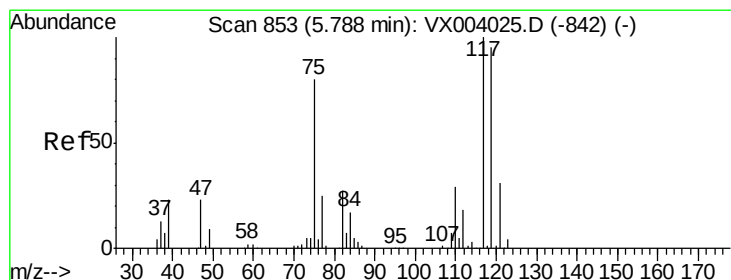
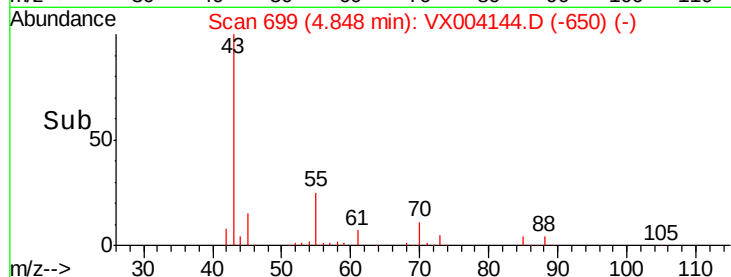
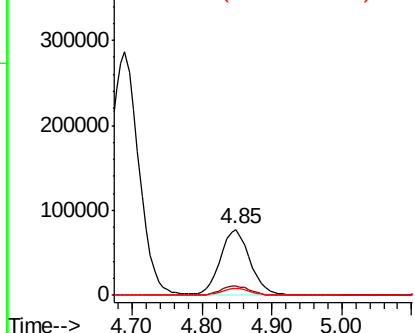
#37
Ethyl Acetate
Concen: 45.24 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 227651
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 11.0 9.0 13.4

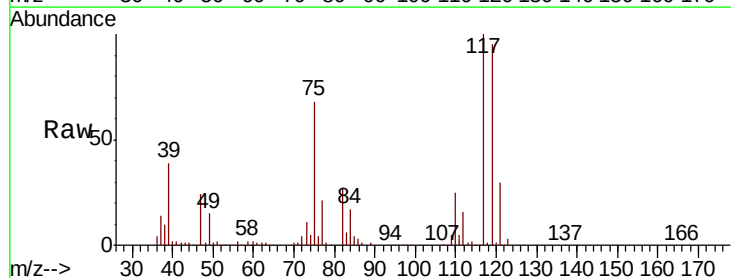


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

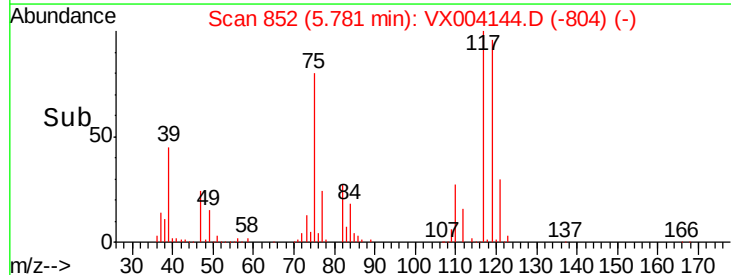
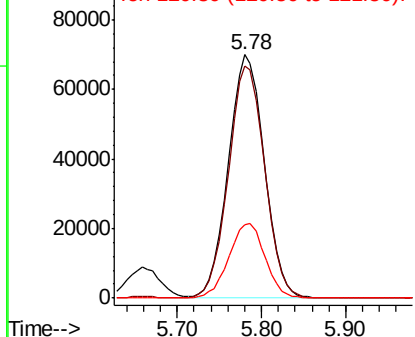


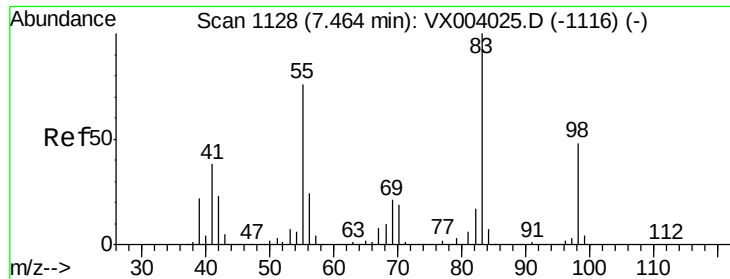
#38
Carbon Tetrachloride
Concen: 45.12 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 117 Resp: 202581
Ion Ratio Lower Upper
117 100
119 95.3 79.5 119.3
121 30.2 25.0 37.4



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

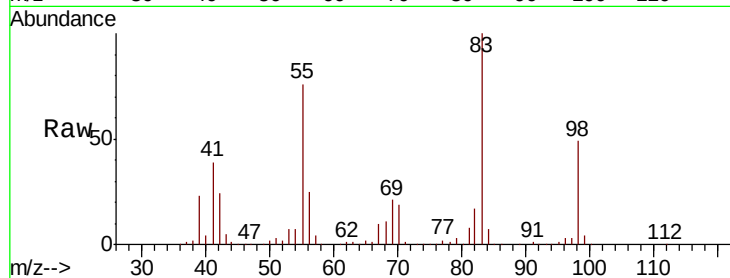




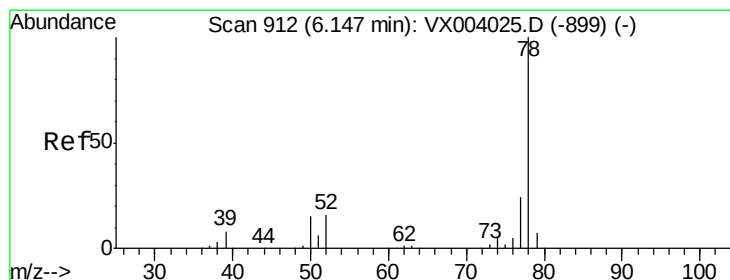
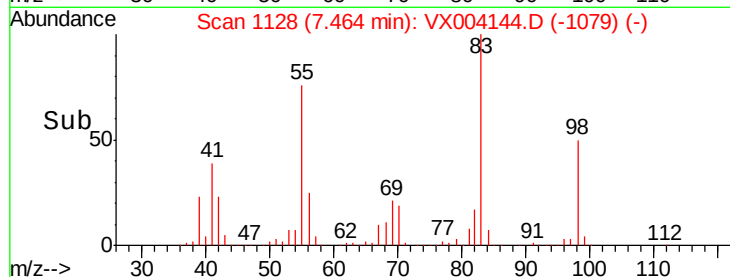
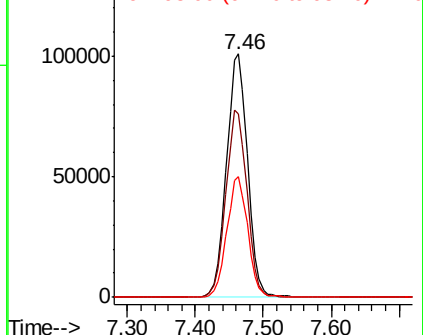
#39
Methylvlcyclohexane
Concen: 41.46 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 217344
Ion Ratio Lower Upper
83 100
55 75.6 61.0 91.6
98 49.5 38.6 57.8

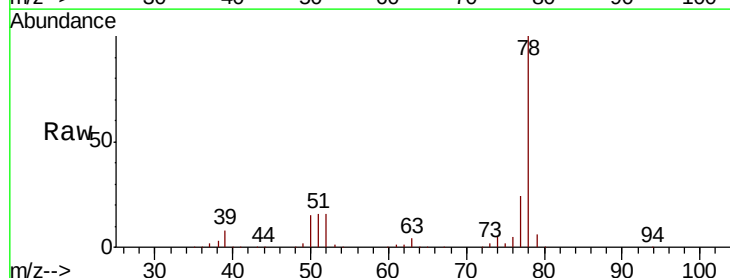


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

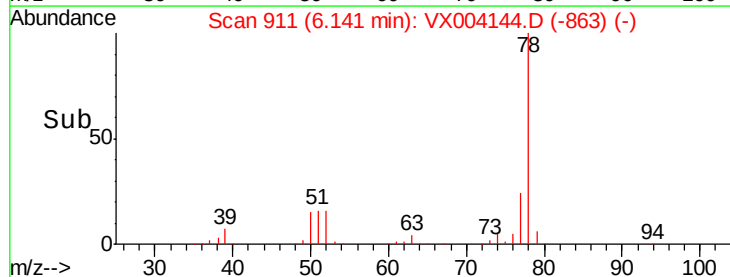
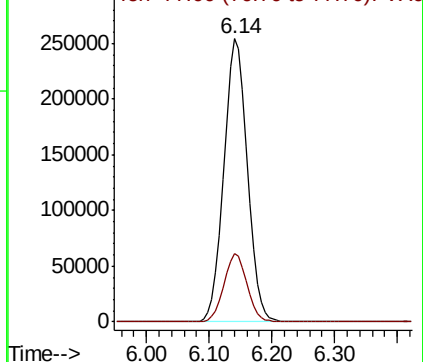


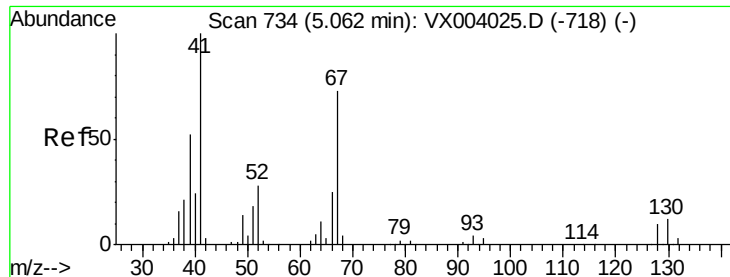
#40
Benzene
Concen: 47.51 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 78 Resp: 659223
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

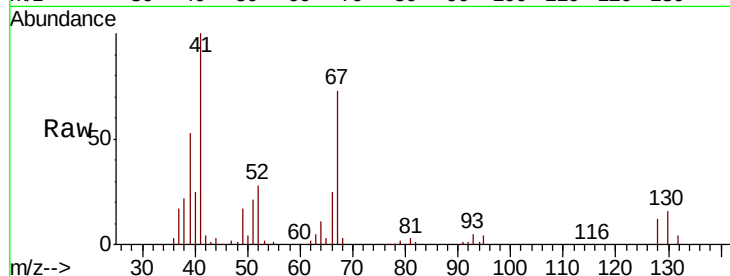




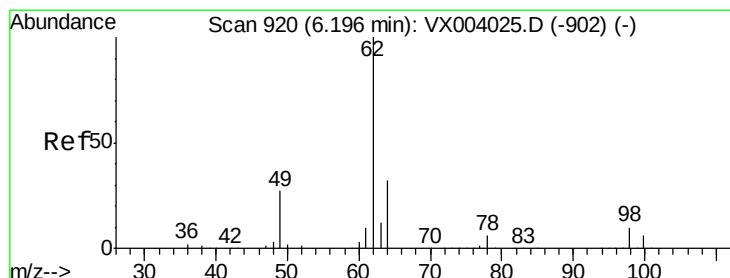
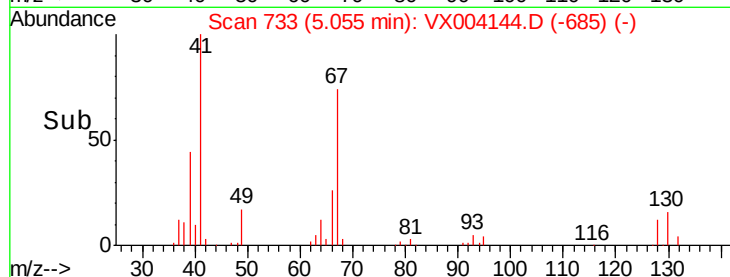
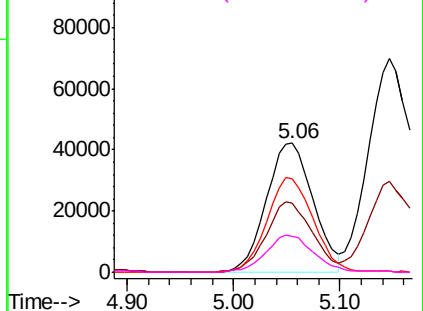
#41
Methacrylonitrile
Concen: 45.51 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	128278
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.7	64.1
67	73.3	58.9	88.3
52	29.3	22.6	33.8

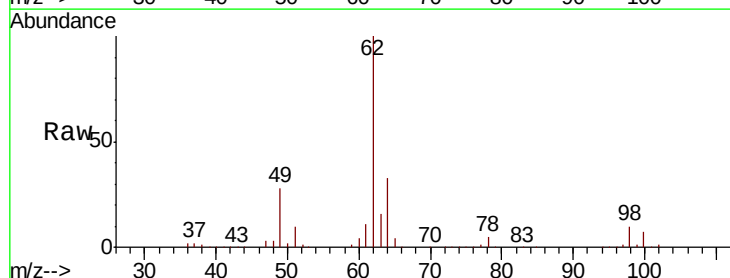


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

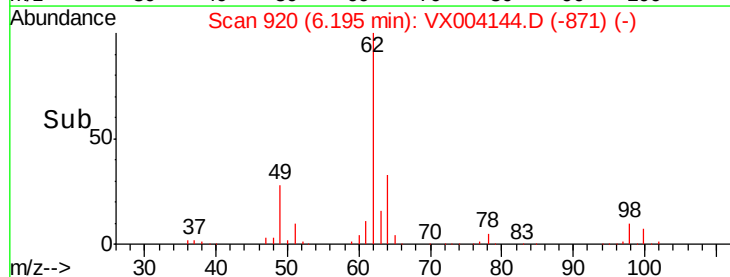
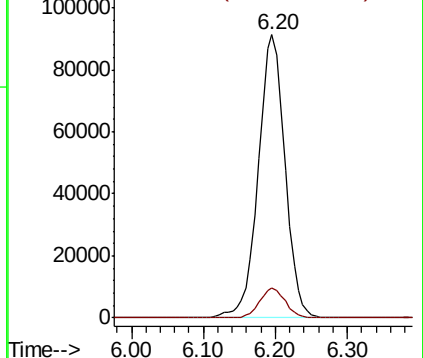


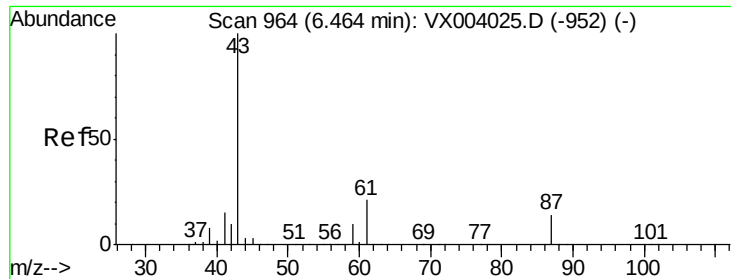
#42
1,2-Dichloroethane
Concen: 48.40 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion:	62	Resp:	235101
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 46.46 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

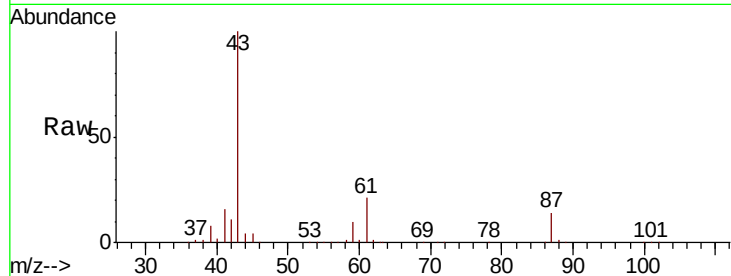
Tot Ion: 43 Resp: 344661

Ion Ratio Lower Upper

43 100

61 20.8 16.9 25.3

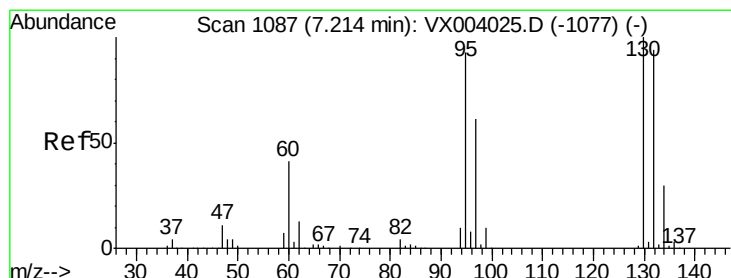
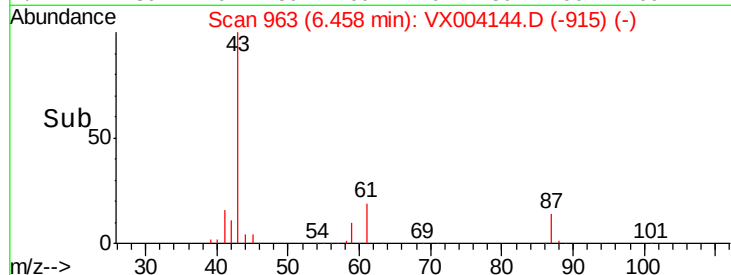
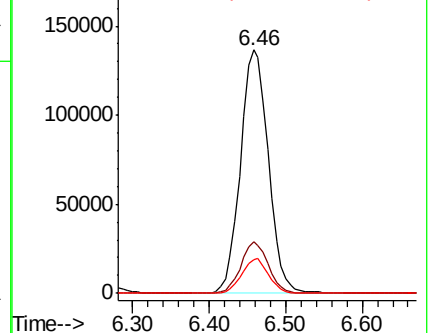
87 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 45.20 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004144.D

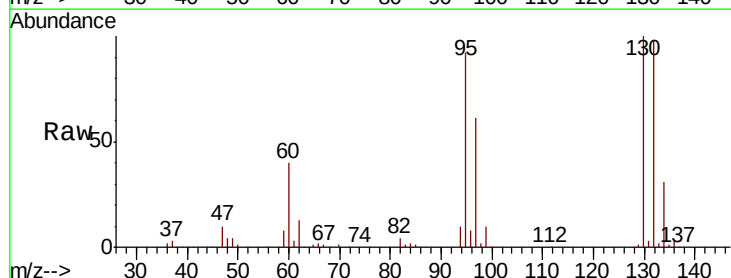
Acq: 20 Aug 2018 10:16

Tgt Ion:130 Resp: 170297

Ion Ratio Lower Upper

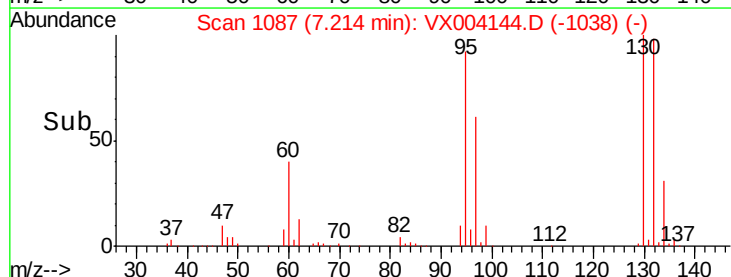
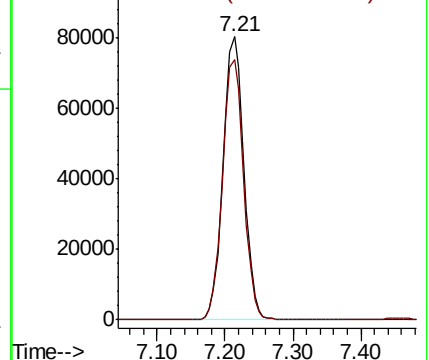
130 100

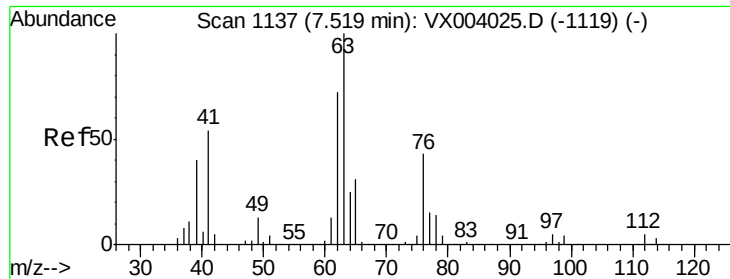
95 92.1 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

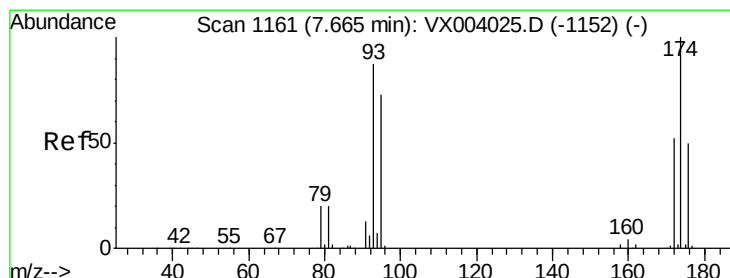
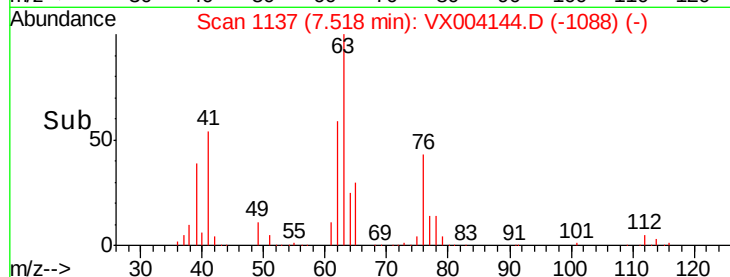
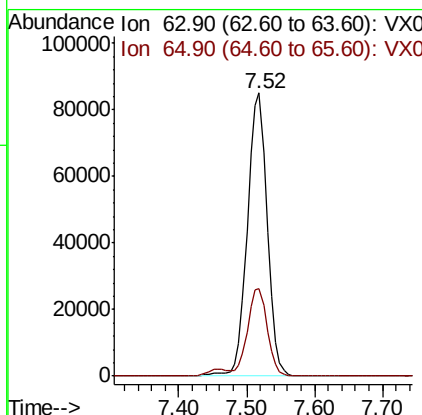
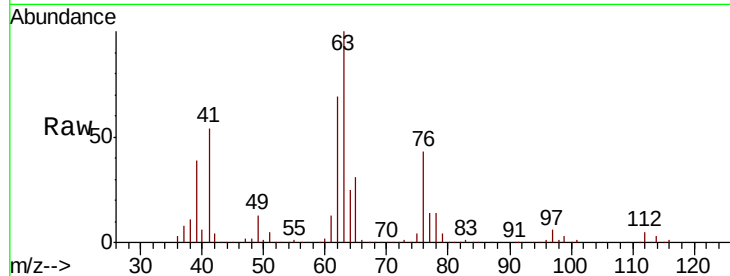




#45
 1,2-Dichloropropane
 Concen: 48.75 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

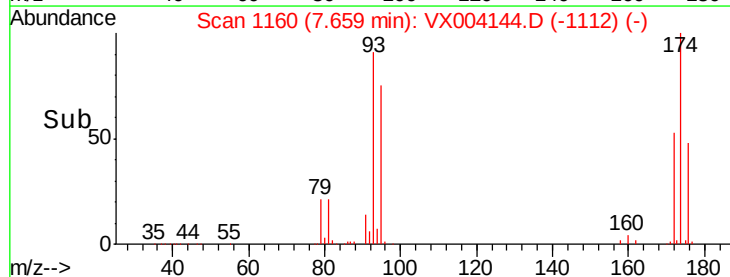
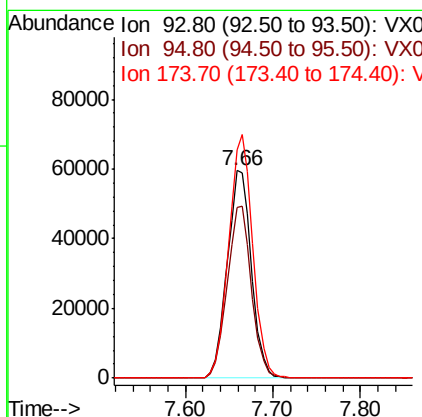
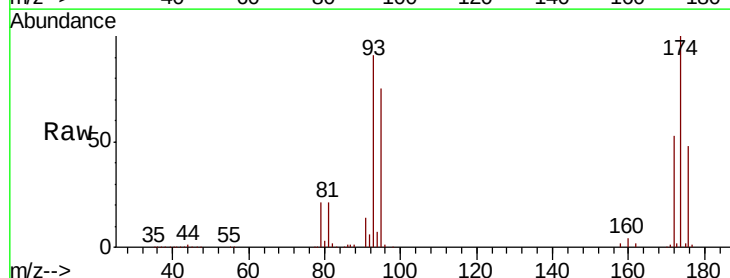
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

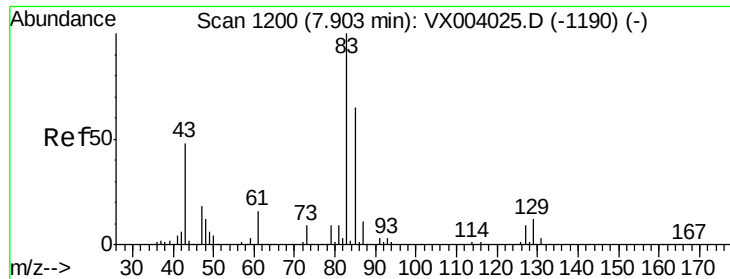
Tot Ion: 63 Resp: 173187
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8



#46
 Dibromomethane
 Concen: 49.28 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 93 Resp: 114395
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.4 99.6
 174 116.8 94.3 141.5





#47

Bromodichloromethane

Concen: 50.05 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

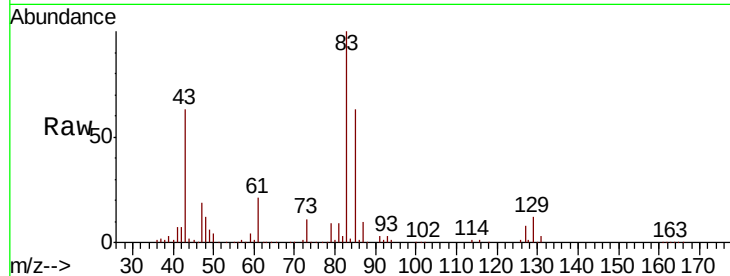
Tot Ion: 83 Resp: 220069

Ion Ratio Lower Upper

83 100

85 63.3 51.2 76.8

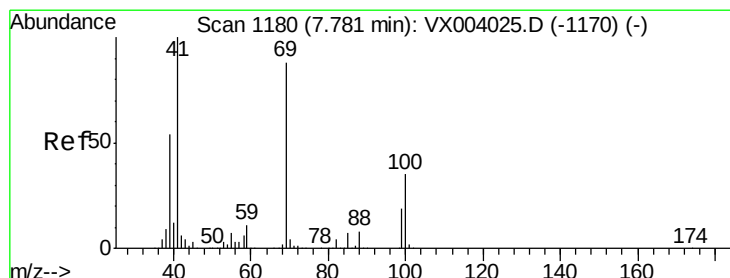
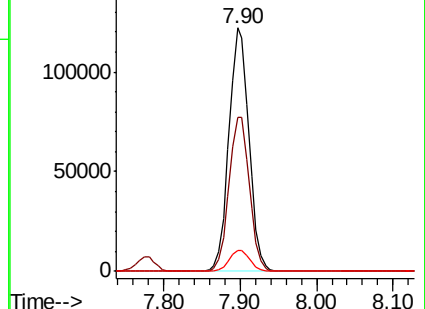
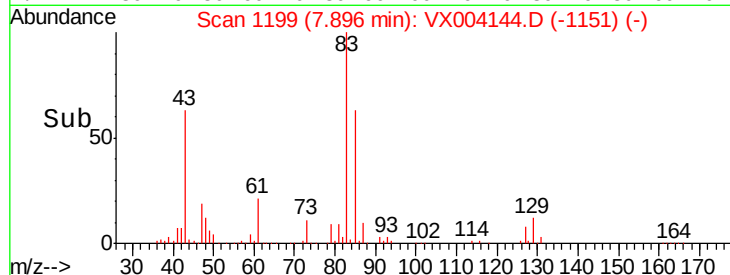
127 8.3 7.2 10.8



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: 49.79 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

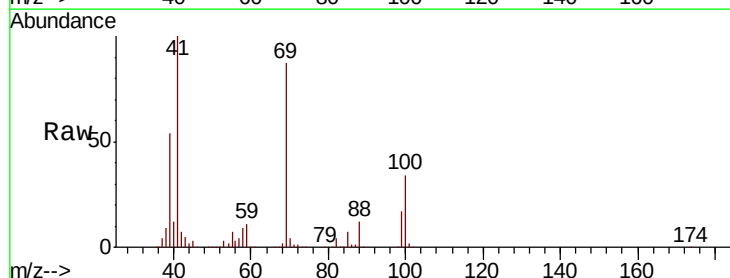
Tgt Ion: 41 Resp: 185932

Ion Ratio Lower Upper

41 100

69 87.6 68.8 103.2

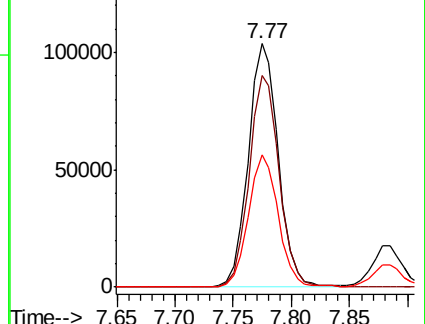
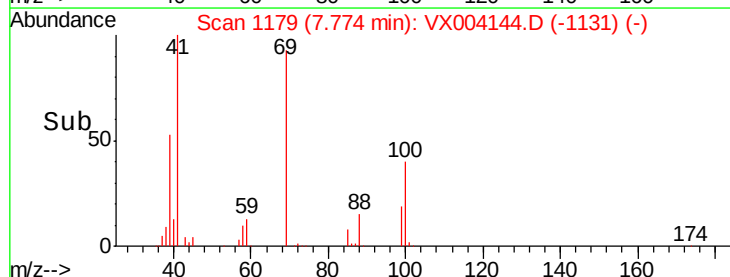
39 54.2 42.3 63.5

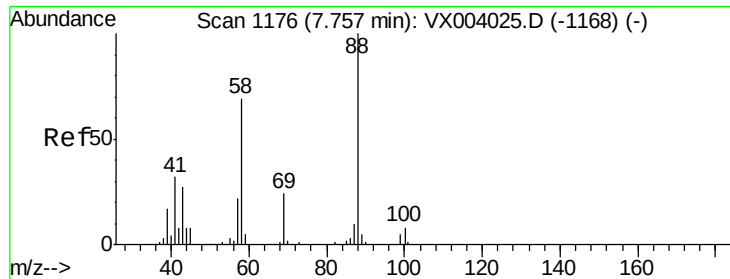


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

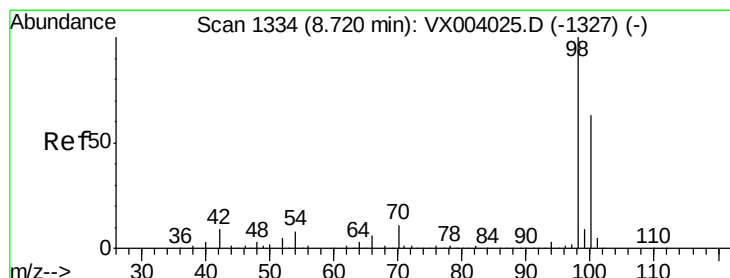
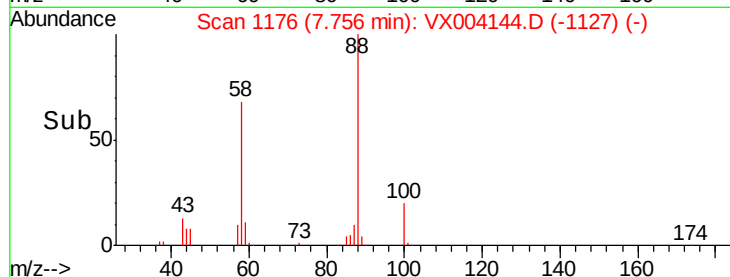
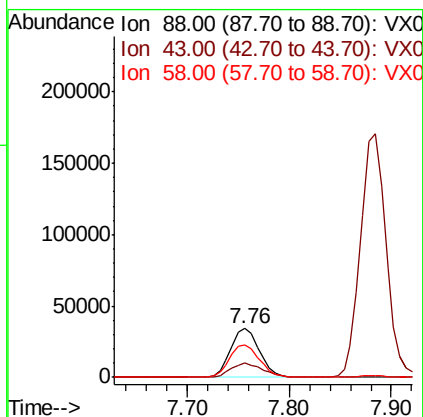
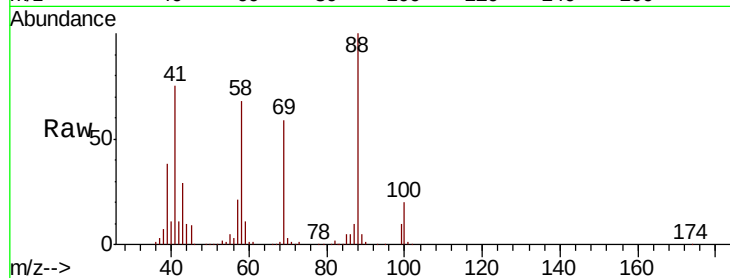




#49
1,4-Dioxane
Concen: 796.69 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

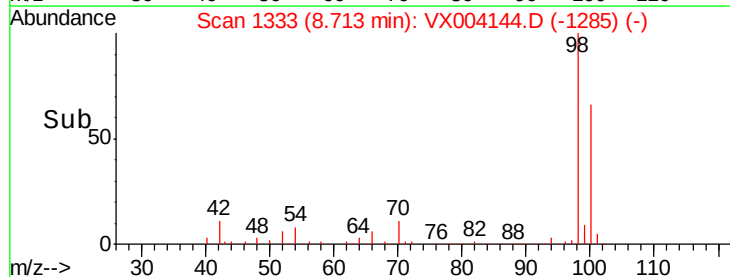
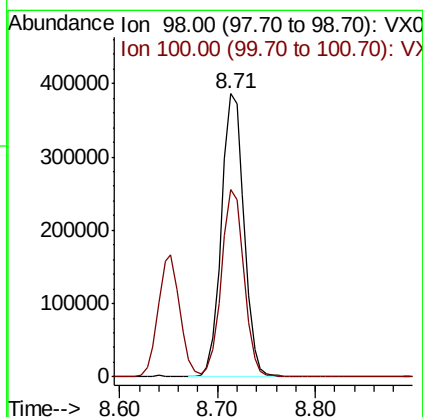
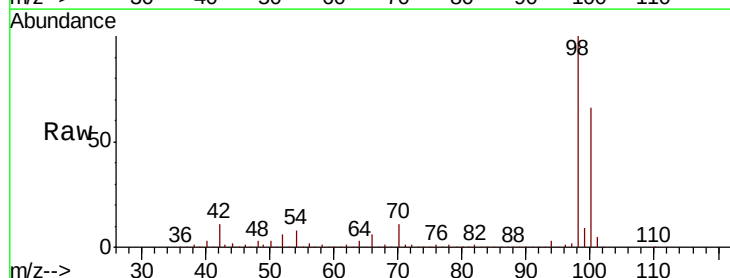
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

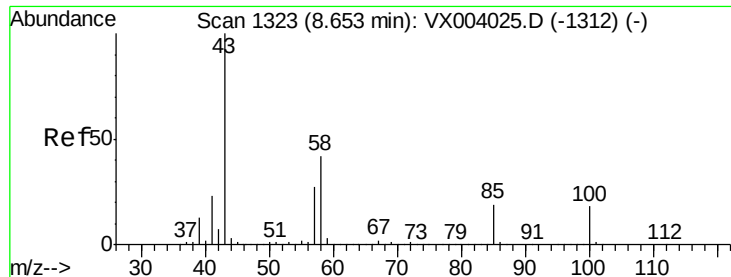
Tot Ion: 88 Resp: 66979
Ion Ratio Lower Upper
88 100
43 32.5 23.8 35.8
58 70.3 55.4 83.0



#50
Toluene-d8
Concen: 50.09 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 98 Resp: 617326
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9

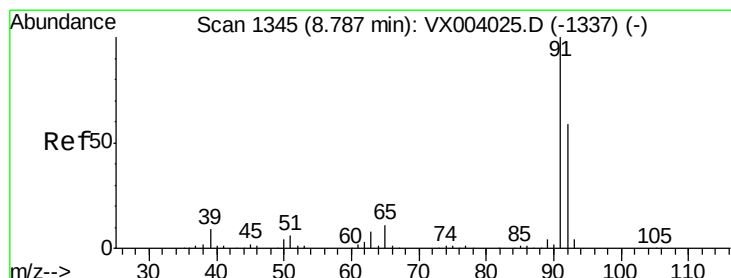
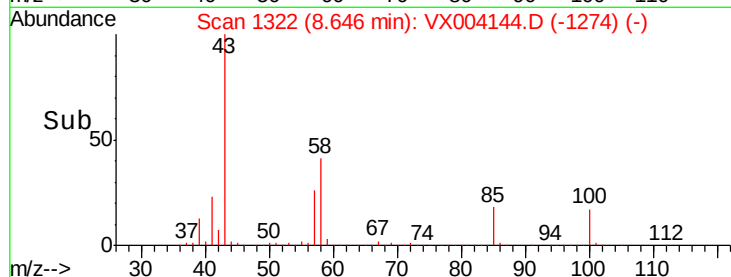
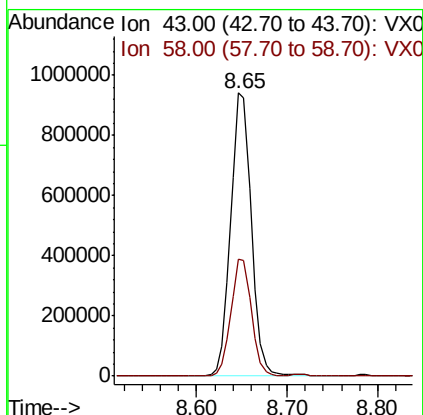
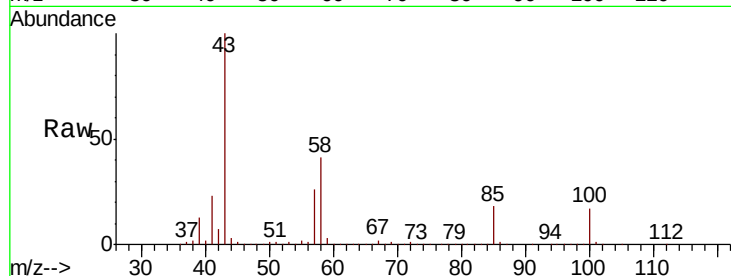




#51
4-Methyl-2-Pentanone
Concen: 245.31 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

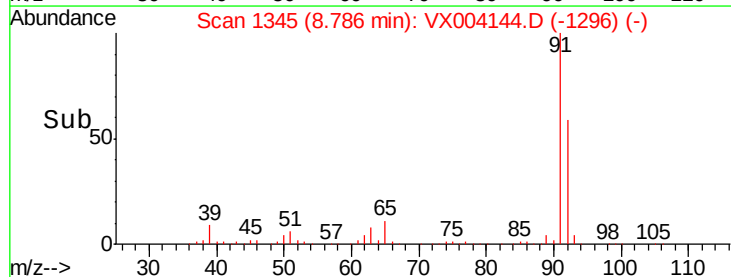
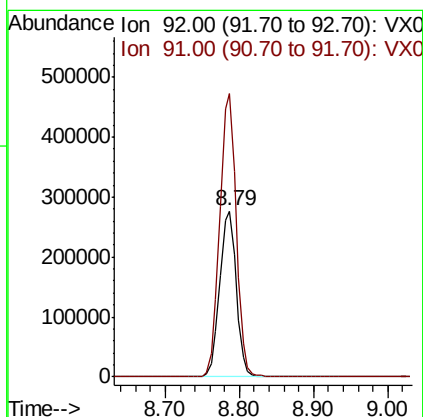
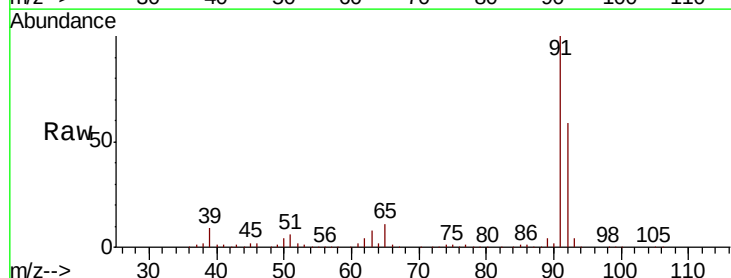
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

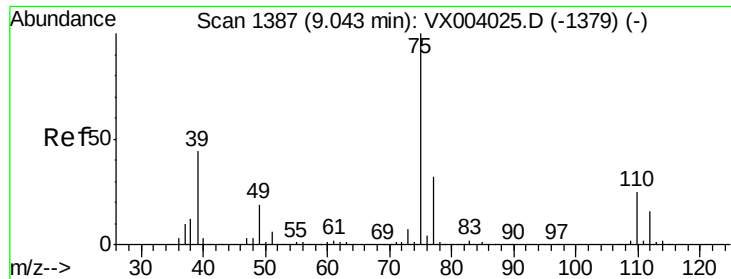
Tot Ion: 43 Resp: 1492085
Ion Ratio Lower Upper
43 100
58 40.9 33.0 49.6



#52
Toluene
Concen: 48.54 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 92 Resp: 426036
Ion Ratio Lower Upper
92 100
91 170.1 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 51.96 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

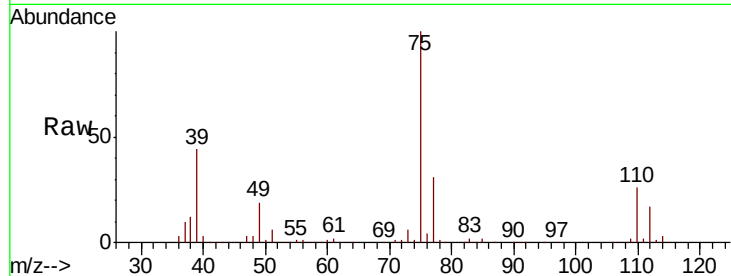
VSTDCCC050

Tot Ion: 75 Resp: 246814

Ion Ratio Lower Upper

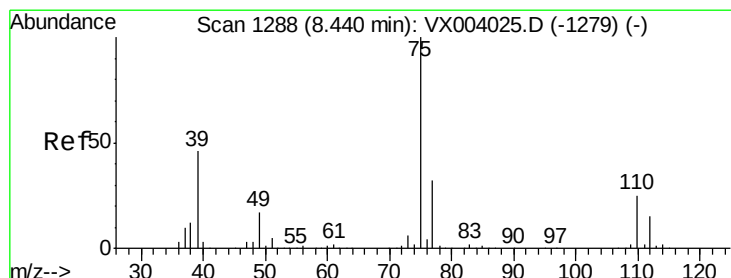
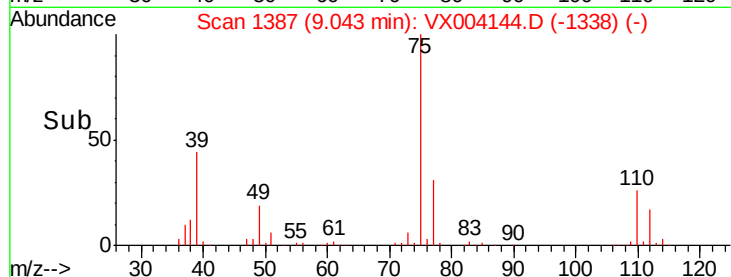
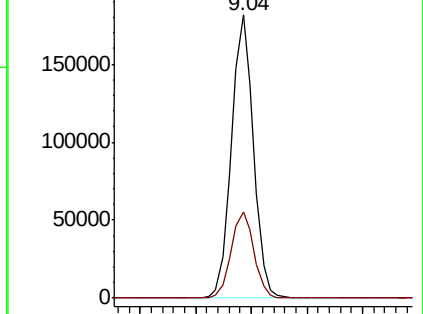
75 100

77 30.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.94 ug/l

RT: 8.43 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

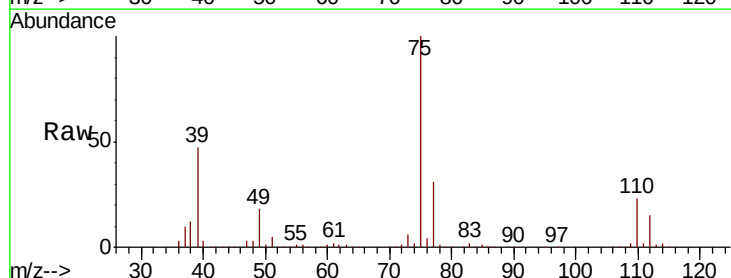
Tgt Ion: 75 Resp: 273241

Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9

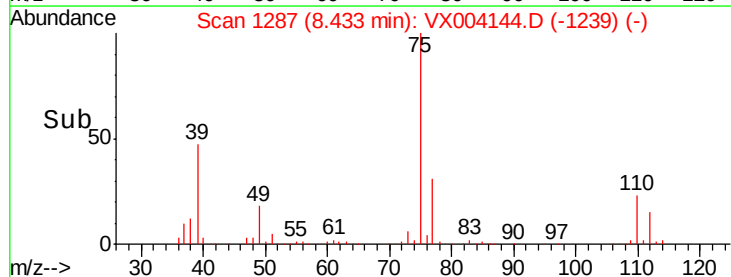
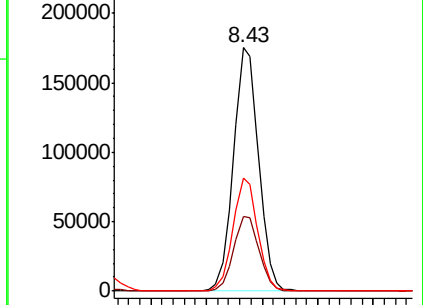
39 46.5 36.2 54.2

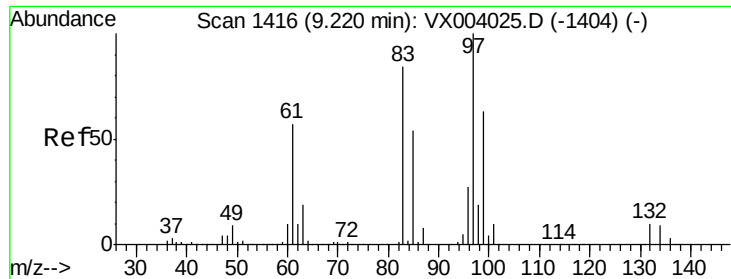


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

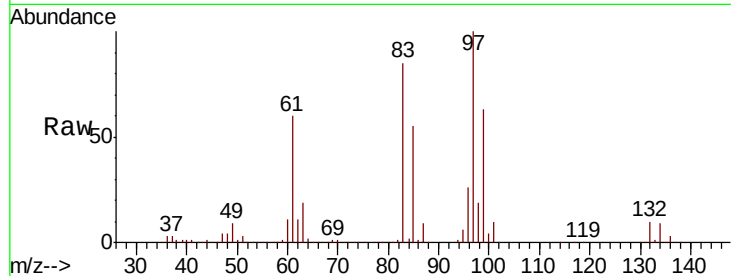




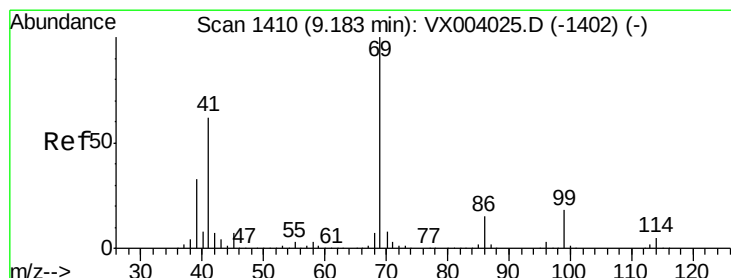
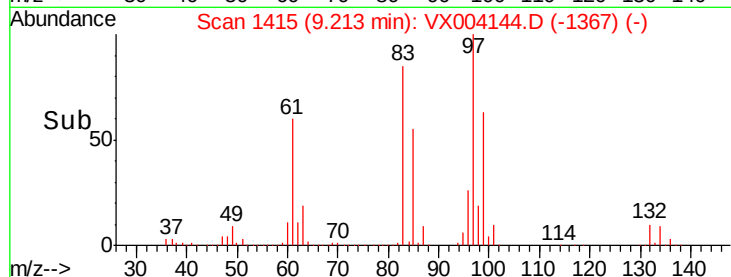
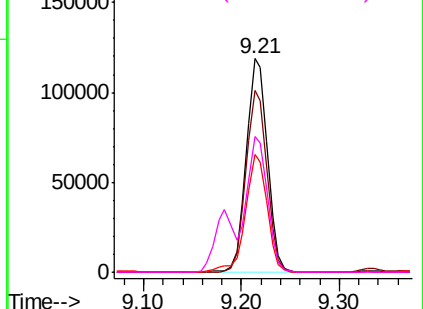
#55
 1,1,2-Trichloroethane
 Concen: 49.17 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	178193
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.8	101.6
85	55.1	44.2	66.2
99	63.3	50.8	76.2

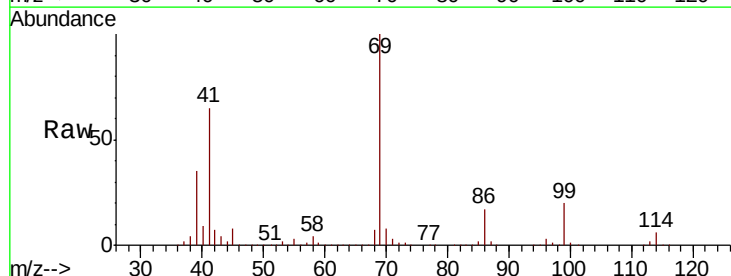


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

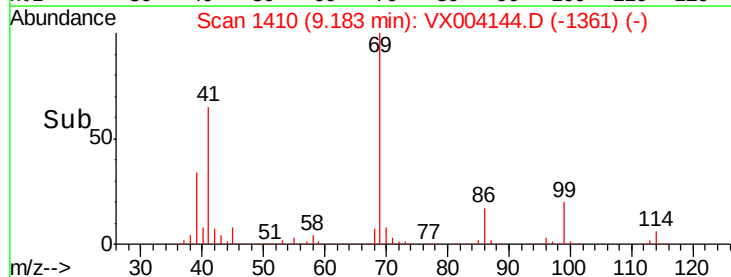
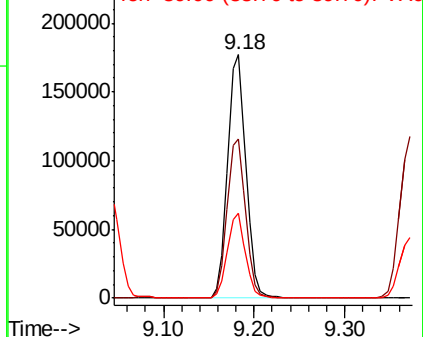


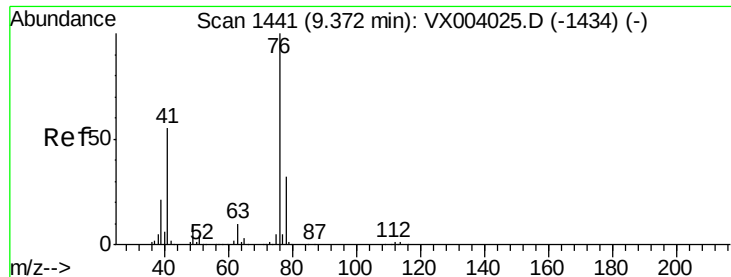
#56
 Ethyl methacrylate
 Concen: 50.48 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion:	69	Resp:	248783
Ion	Ratio	Lower	Upper
69	100		
41	65.5	50.6	76.0
39	33.9	25.8	38.6



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





#57

1,3-Dichloropropane

Concen: 49.90 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

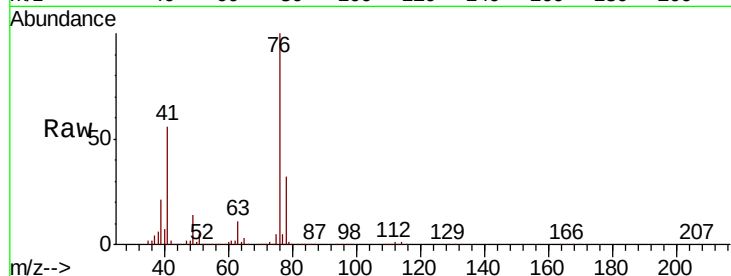
VSTDCCC050

Tot Ion: 76 Resp: 300078

Ion Ratio Lower Upper

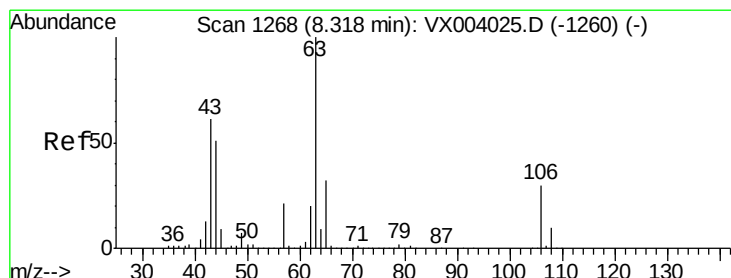
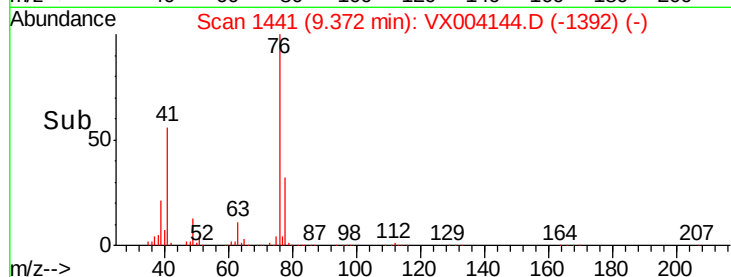
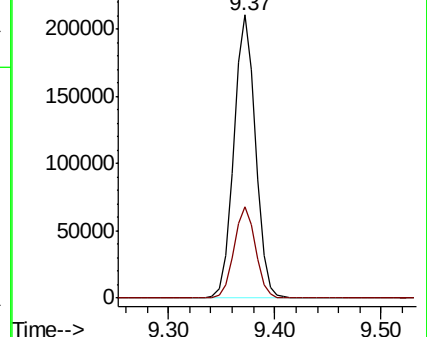
76 100

78 32.2 25.9 38.9



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: 311.17 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX004144.D

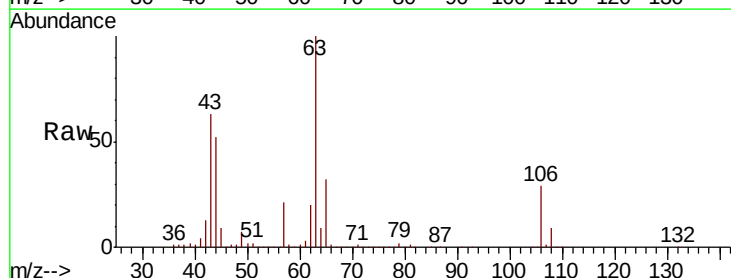
Acq: 20 Aug 2018 10:16

Tgt Ion: 63 Resp: 780899

Ion Ratio Lower Upper

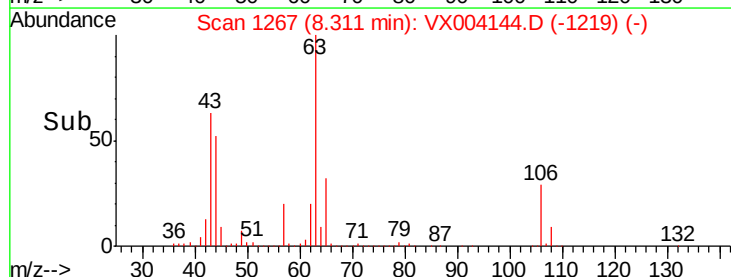
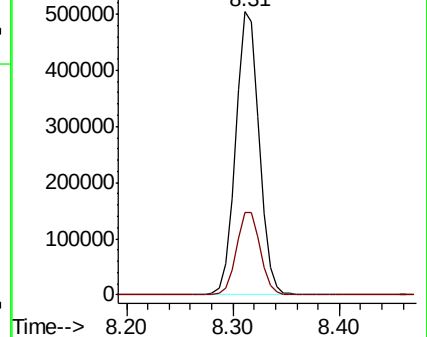
63 100

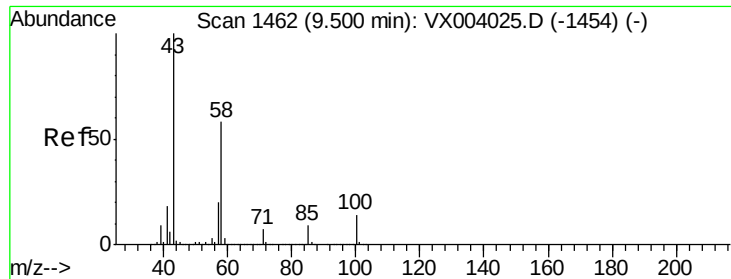
106 29.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

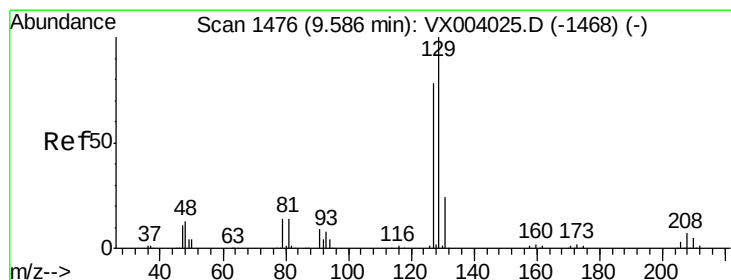
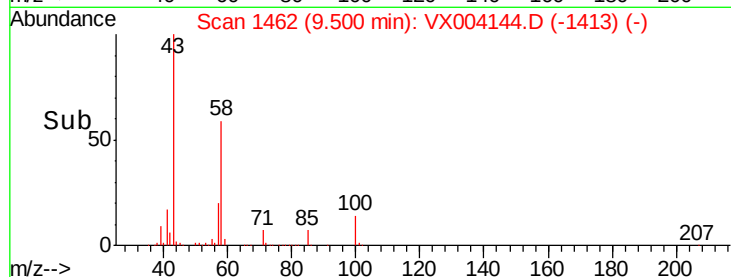
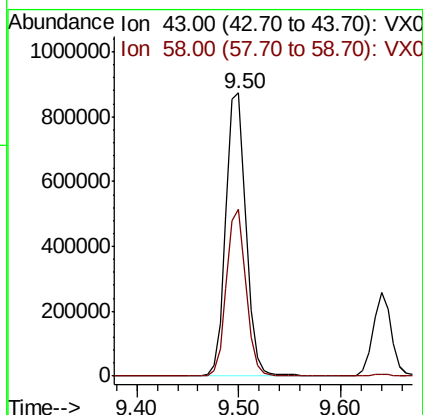
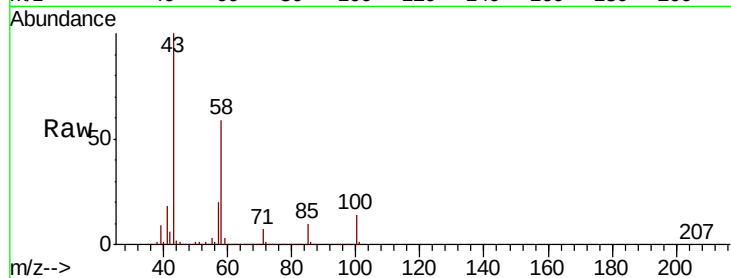




#59
2-Hexanone
Concen: 261.42 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

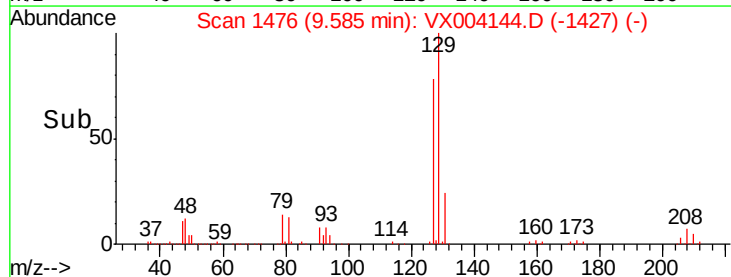
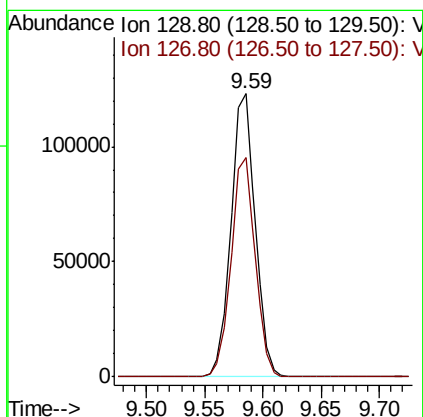
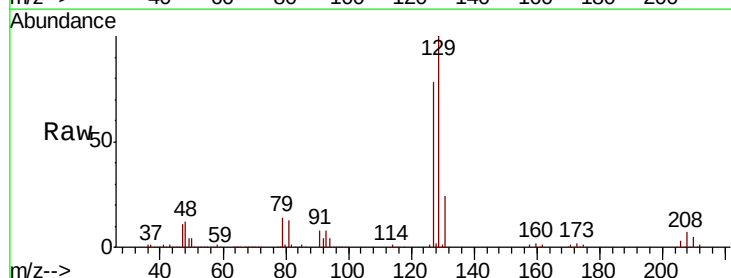
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

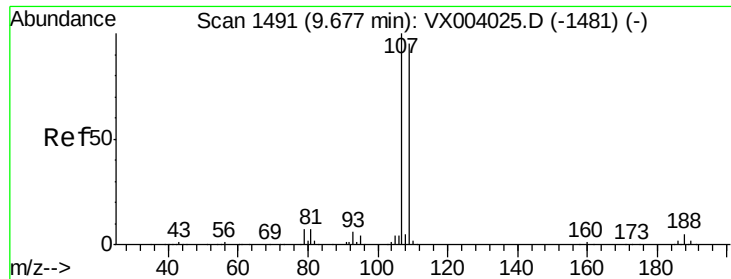
Tot Ion: 43 Resp: 1196684
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.0



#60
Dibromochloromethane
Concen: 51.10 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 129 Resp: 178219
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.72 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampled :

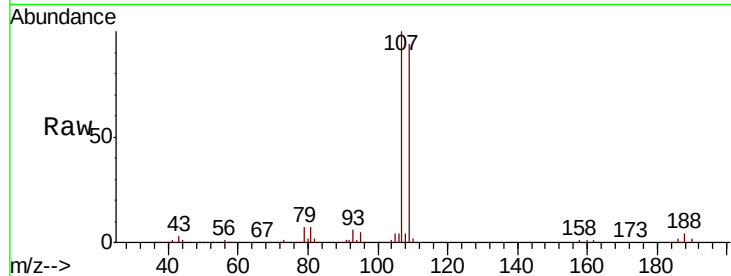
VSTDCCC050

Tot Ion:107 Resp: 183683

Ion Ratio Lower Upper

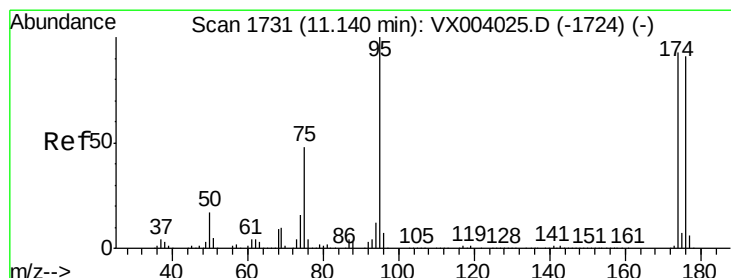
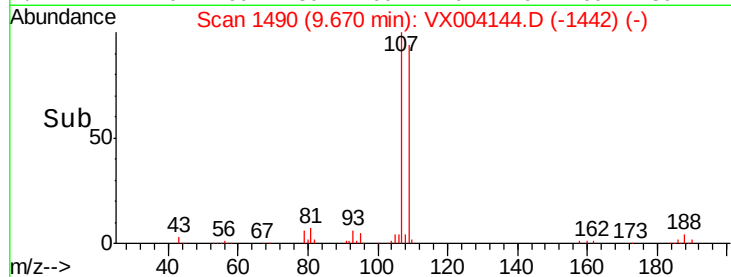
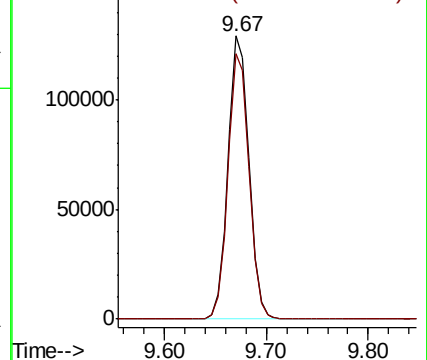
107 100

109 94.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

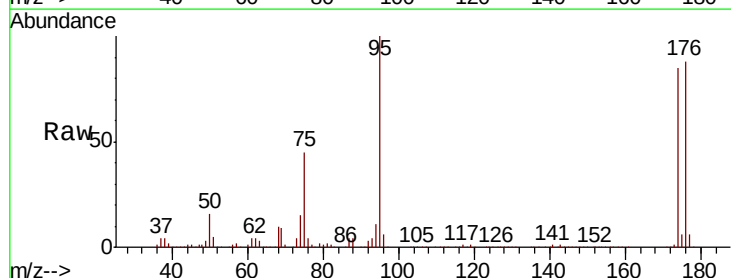
Tgt Ion: 95 Resp: 224873

Ion Ratio Lower Upper

95 100

174 87.4 0.0 182.8

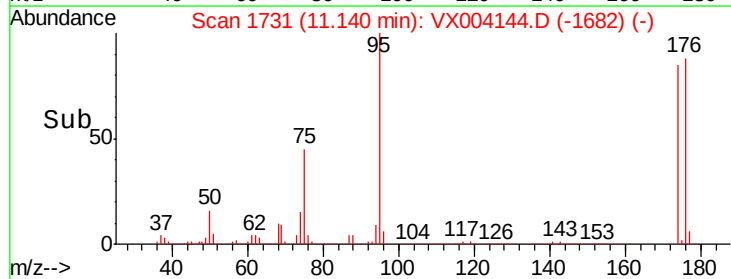
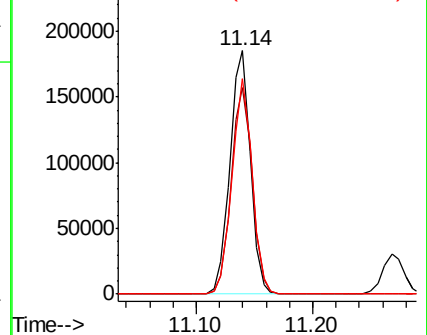
176 87.4 0.0 179.0

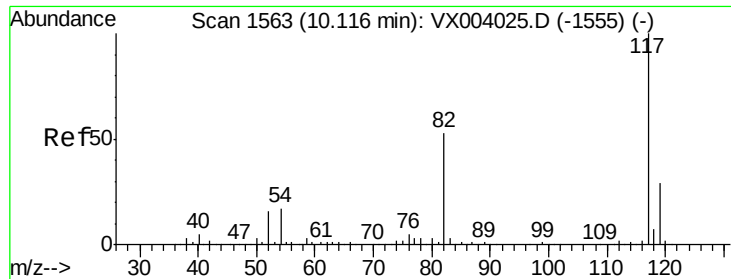


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

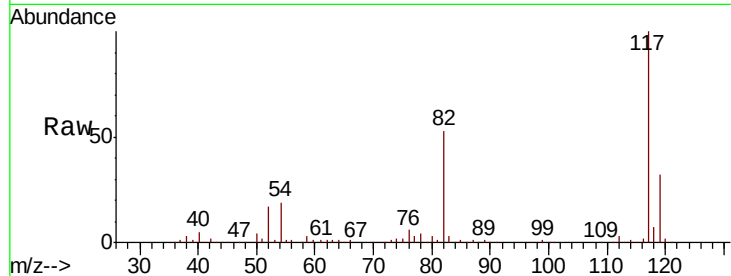




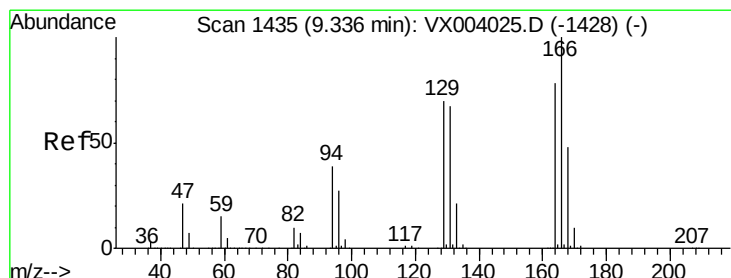
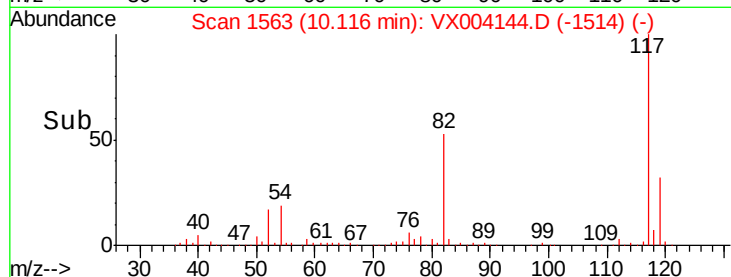
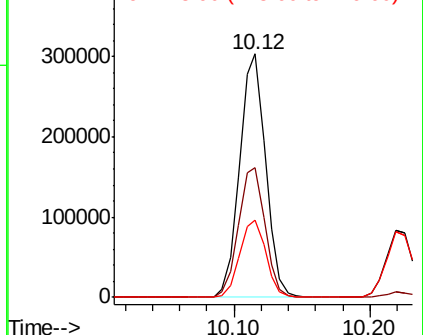
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 403576
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 31.9 26.6 40.0

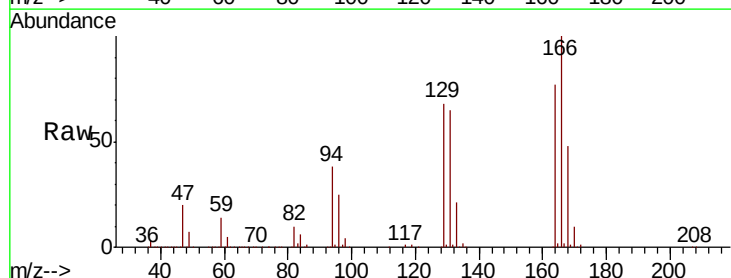


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

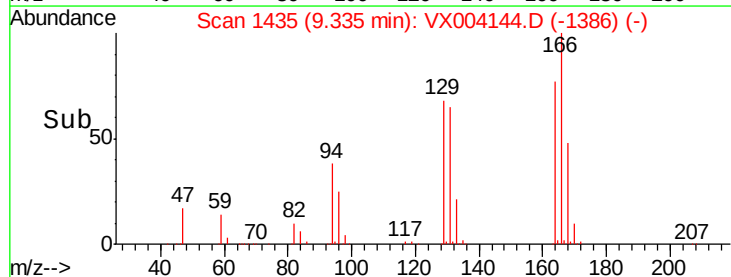
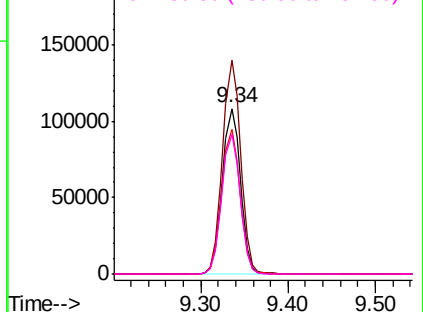


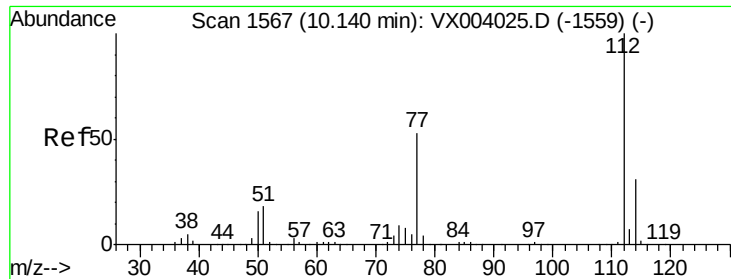
#64
Tetrachloroethene
Concen: 40.90 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion:164 Resp: 156431
Ion Ratio Lower Upper
164 100
166 129.3 98.0 147.0
129 87.7 64.3 96.5
131 84.3 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

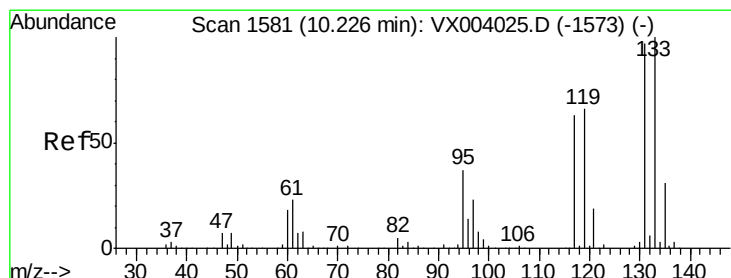
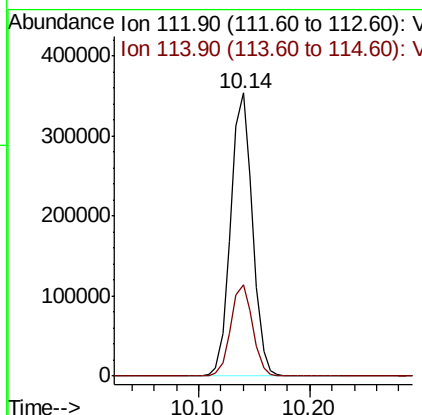
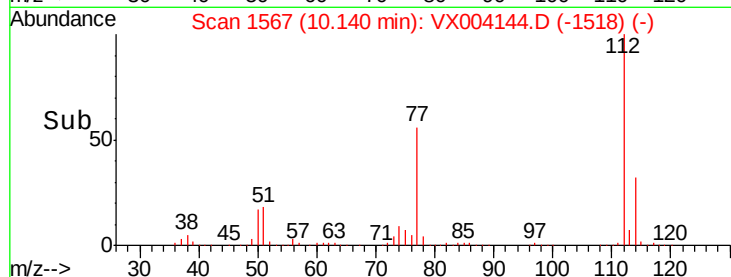
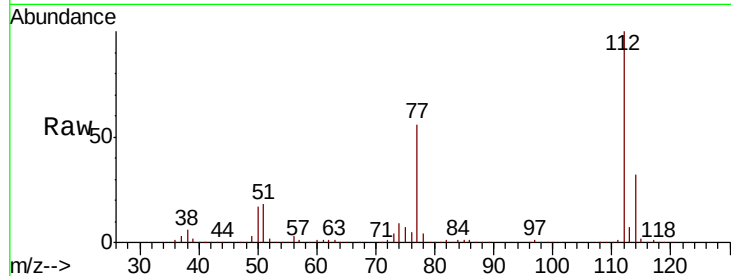




#65
Chlorobenzene
Concen: 45.81 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

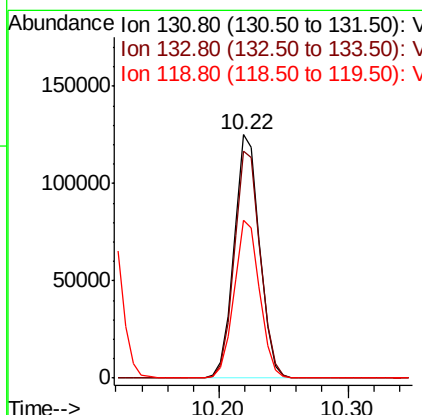
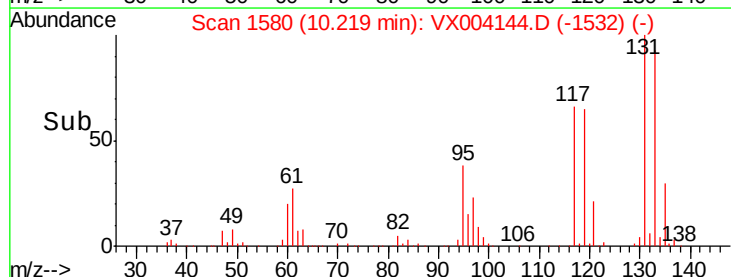
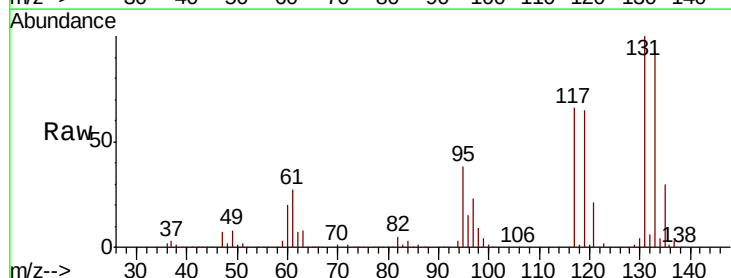
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

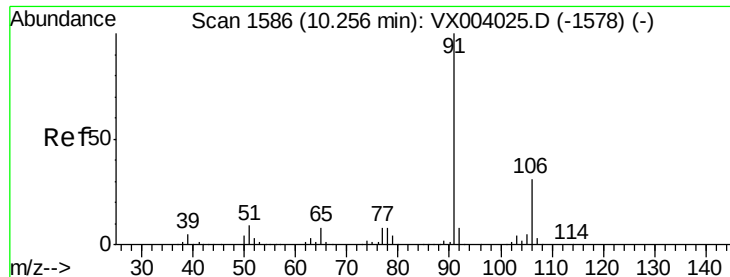
Tot Ion:112 Resp: 477511
Ion Ratio Lower Upper
112 100
114 32.3 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.40 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion:131 Resp: 172072
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 65.2 31.6 94.8





#67

Ethyl Benzene

Concen: 46.53 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

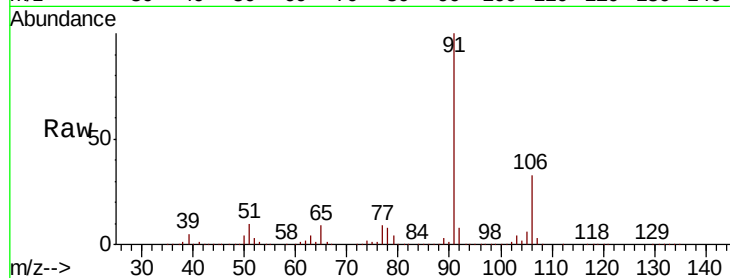
VSTDCCC050

Tot Ion: 91 Resp: 768032

Ion Ratio Lower Upper

91 100

106 33.0 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX004025.D (-1578) (-)

1000000

800000

600000

400000

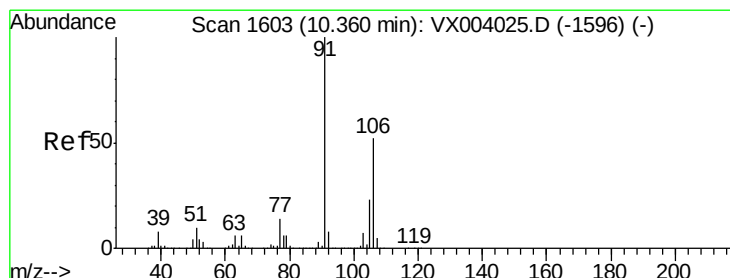
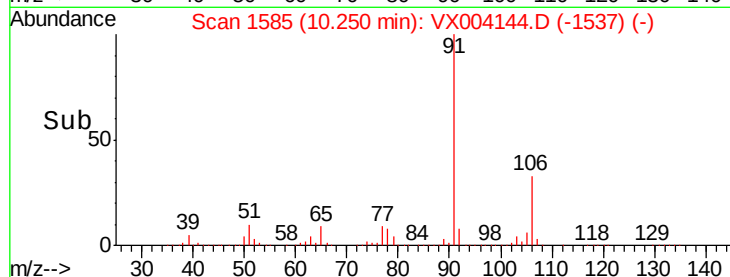
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 94.51 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004144.D

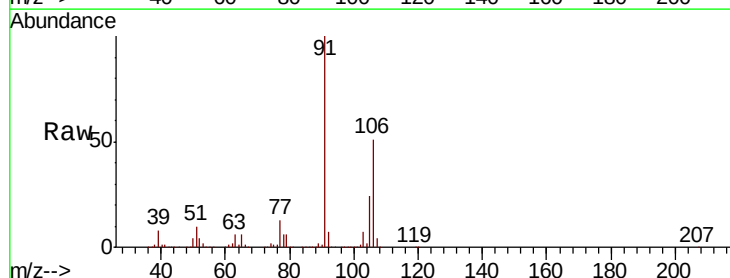
Acq: 20 Aug 2018 10:16

Tgt Ion: 106 Resp: 610950

Ion Ratio Lower Upper

106 100

91 197.8 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VX004025.D (-1596) (-)

Ion 91.00 (90.70 to 91.70): VX004025.D (-1596) (-)

1000000

800000

600000

400000

200000

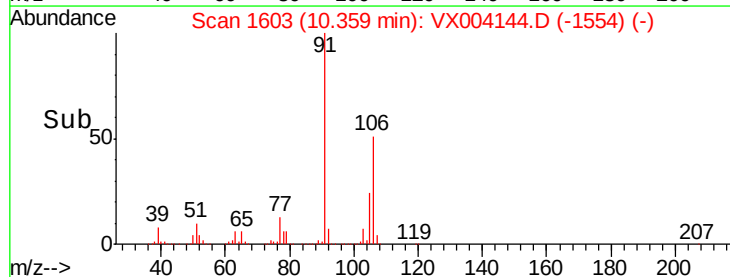
0

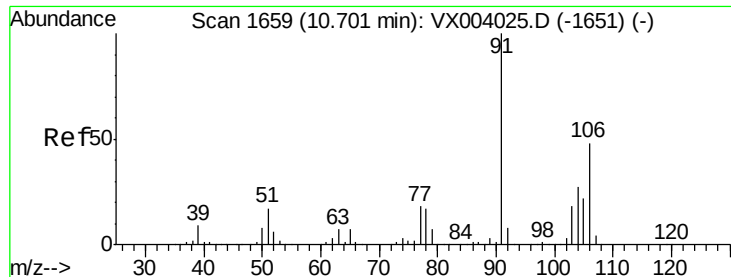
10.30

10.40

10.50

Time-->

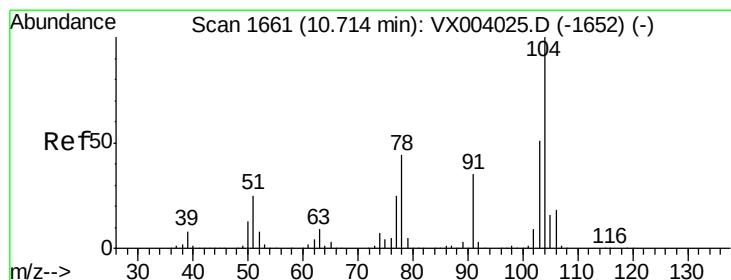
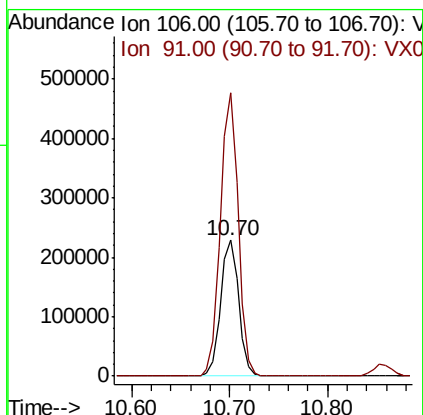
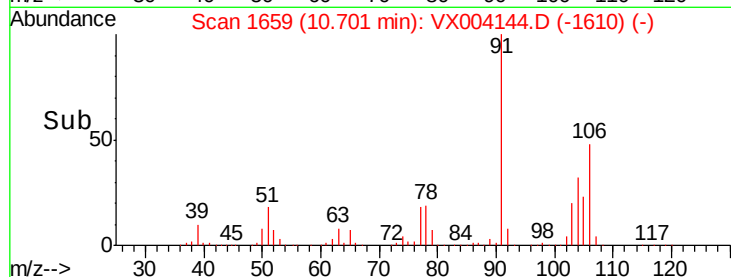
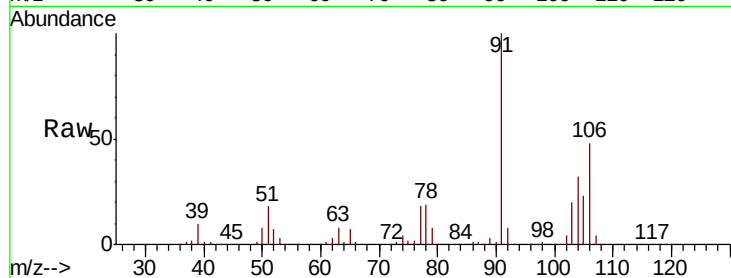




#69
o-Xylene
Concen: 47.30 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

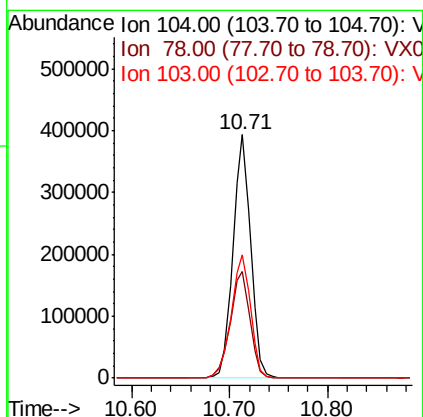
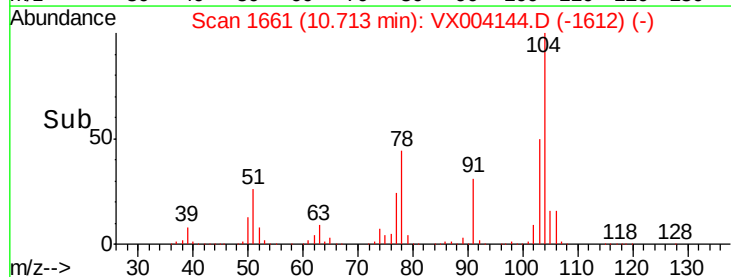
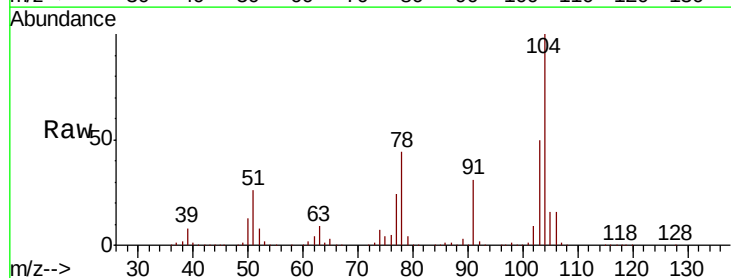
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

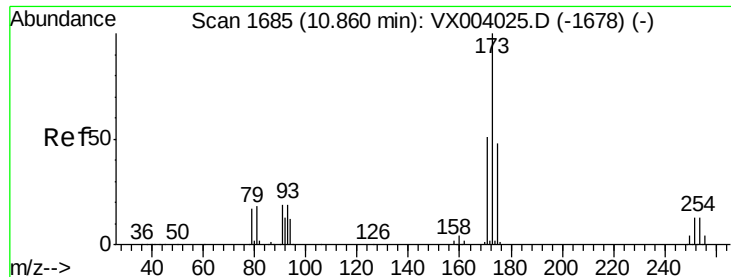
Tot Ion:106 Resp: 292204
Ion Ratio Lower Upper
106 100
91 207.1 101.9 305.7



#70
Styrene
Concen: 47.35 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion:104 Resp: 492251
Ion Ratio Lower Upper
104 100
78 48.7 39.8 59.6
103 55.5 44.3 66.5





#71

Bromoform

Concen: 46.27 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

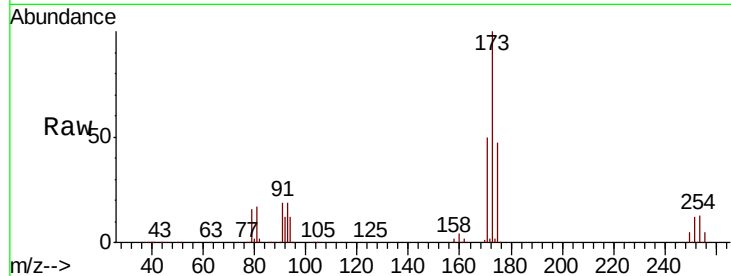
Tot Ion:173 Resp: 130448

Ion Ratio Lower Upper

173 100

175 49.1 24.9 74.7

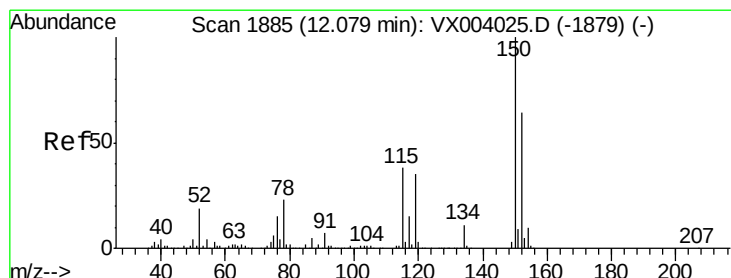
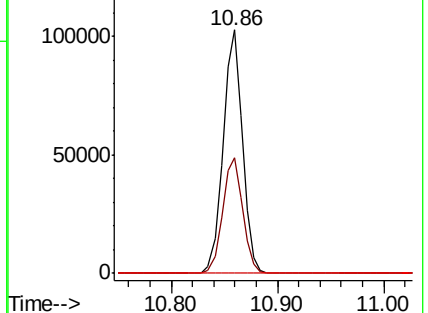
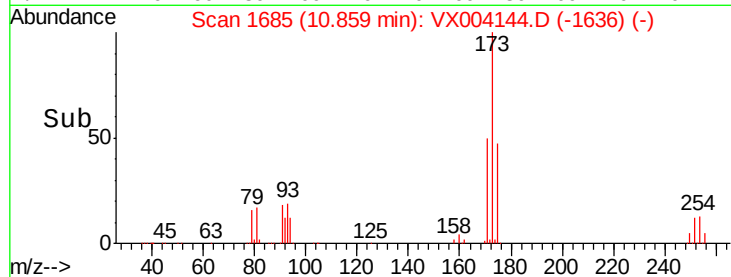
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

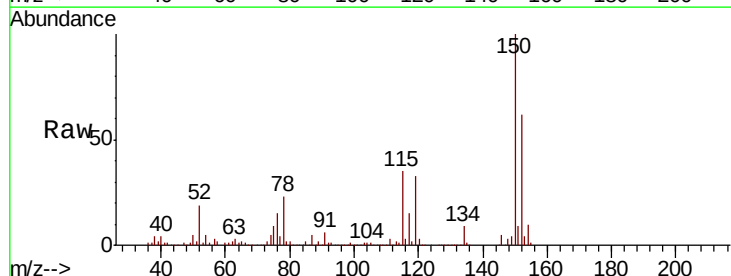
Tgt Ion:152 Resp: 252501

Ion Ratio Lower Upper

152 100

115 74.2 39.1 117.3

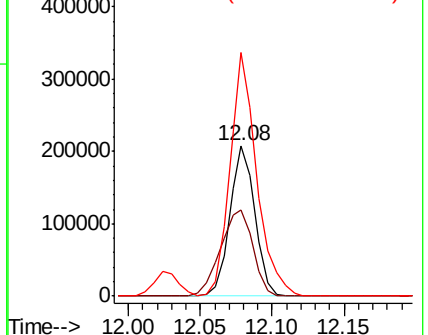
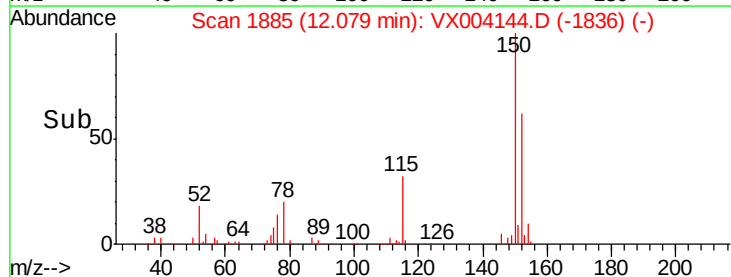
150 172.8 0.0 349.2

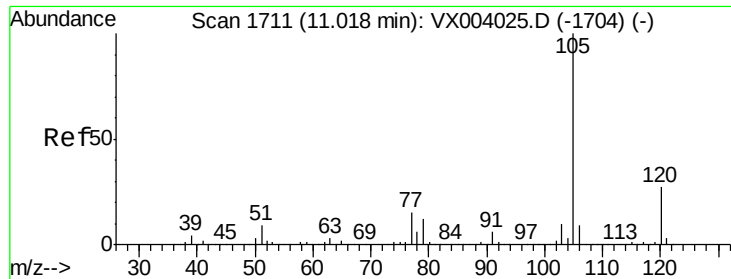


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.73 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

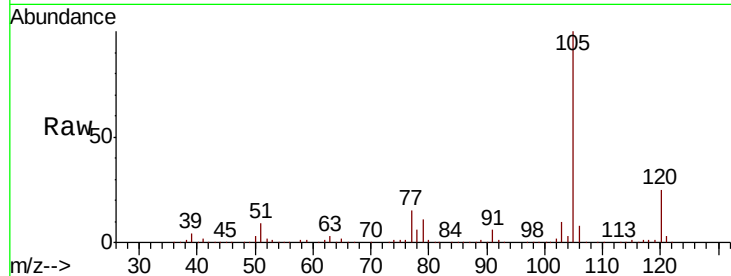
VSTDCCC050

Tot Ion:105 Resp: 747314

Ion Ratio Lower Upper

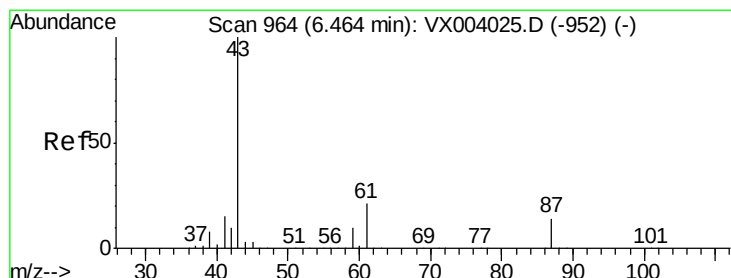
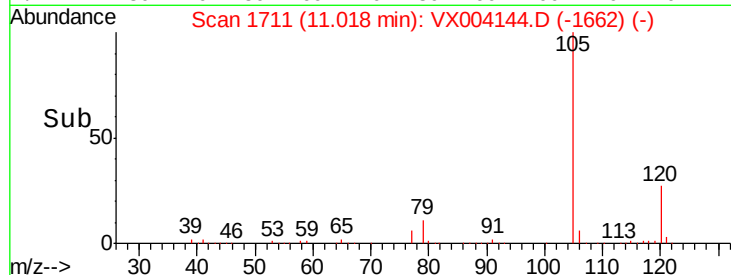
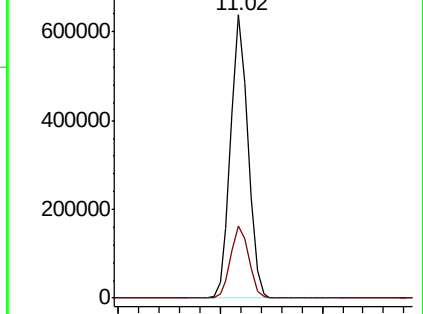
105 100

120 26.4 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.88 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Tgt Ion: 43 Resp: 344661

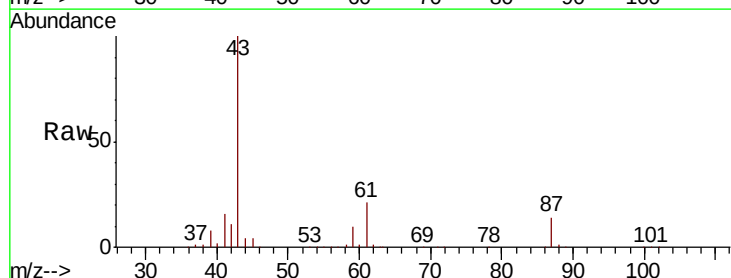
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1

61 20.8 16.9 25.3

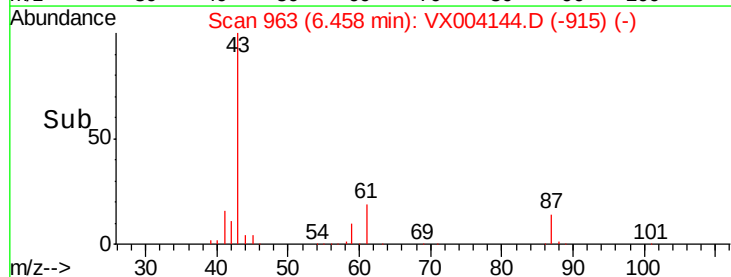
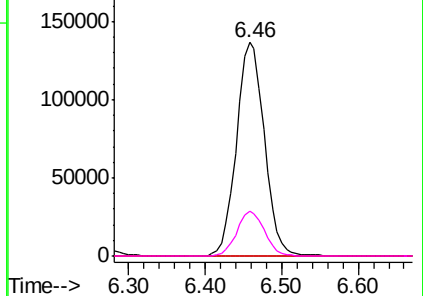


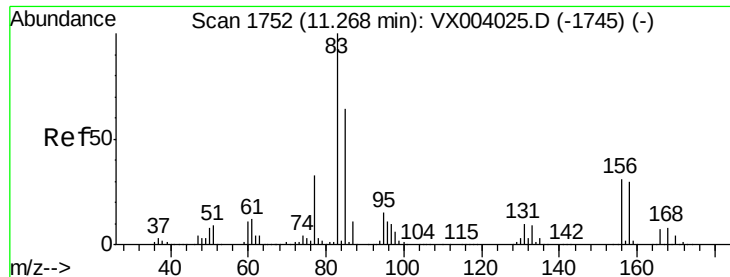
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 42.74 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

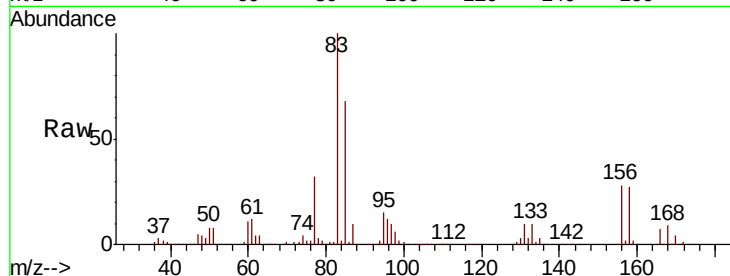
Tot Ion: 83 Resp: 255016

Ion Ratio Lower Upper

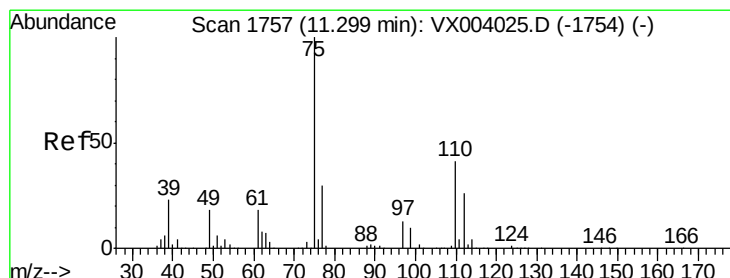
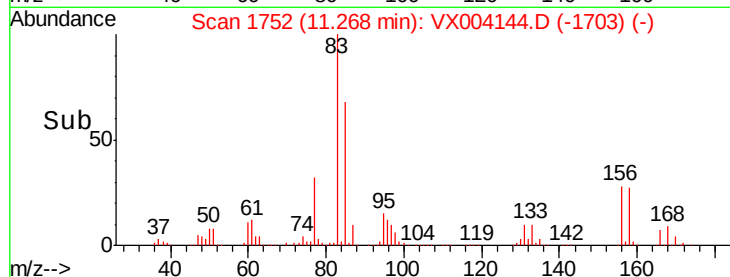
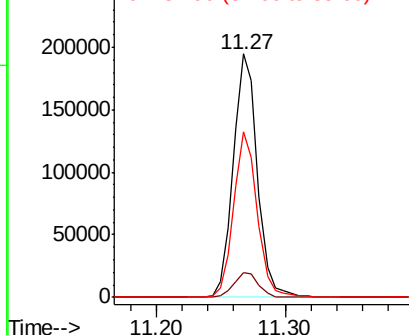
83 100

131 10.3 5.2 15.6

85 66.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.09 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004144.D

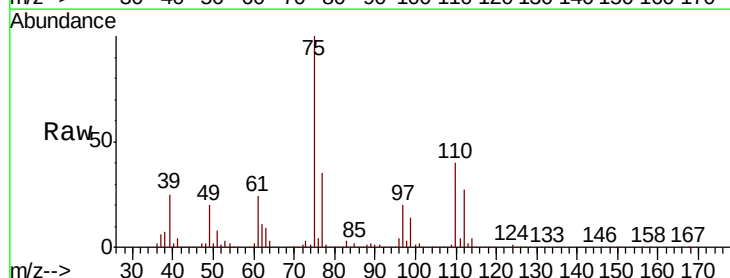
Acq: 20 Aug 2018 10:16

Tgt Ion: 75 Resp: 299220

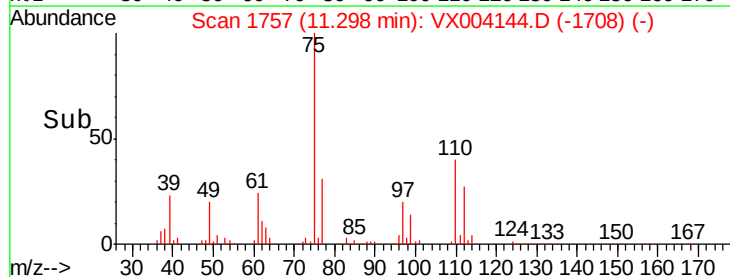
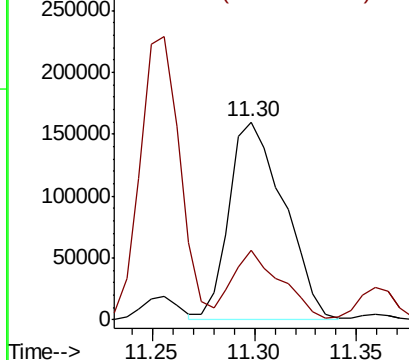
Ion Ratio Lower Upper

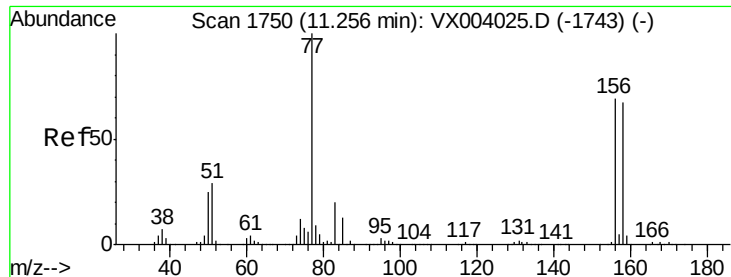
75 100

77 30.9 20.8 62.5



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





#77

Bromobenzene

Concen: 42.93 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

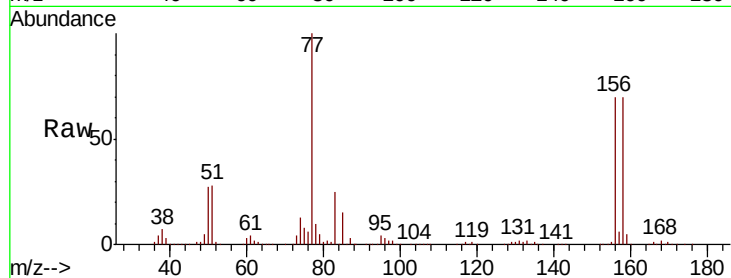
Tot Ion:156 Resp: 202227

Ion Ratio Lower Upper

156 100

77 153.4 74.1 222.2

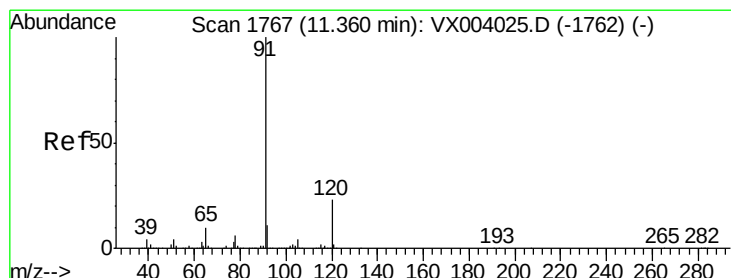
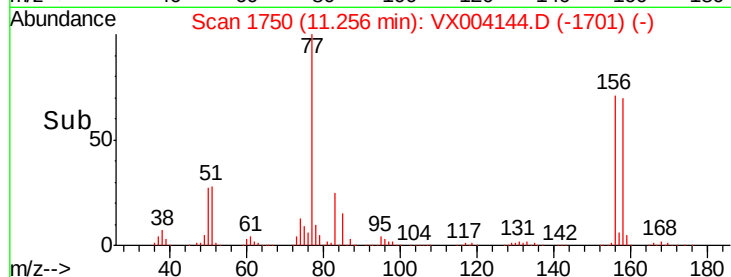
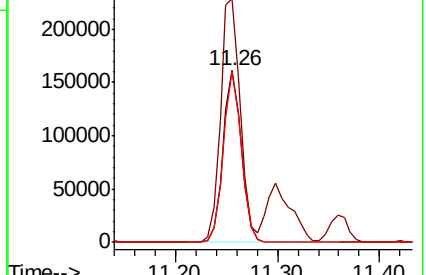
158 98.0 48.6 145.9



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: 44.23 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004144.D

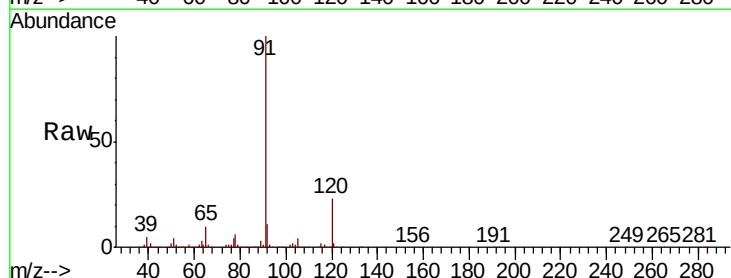
Acq: 20 Aug 2018 10:16

Tgt Ion: 91 Resp: 845739

Ion Ratio Lower Upper

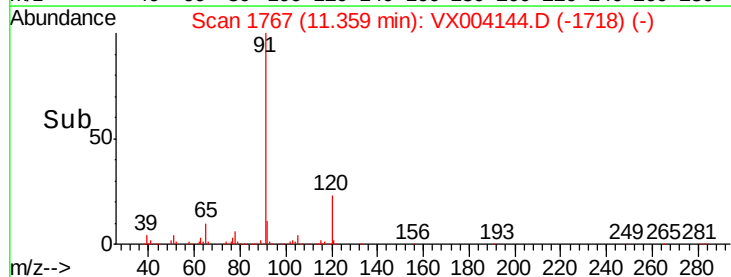
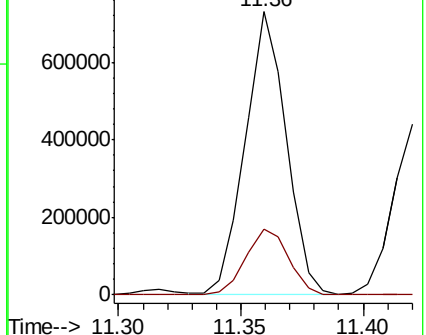
91 100

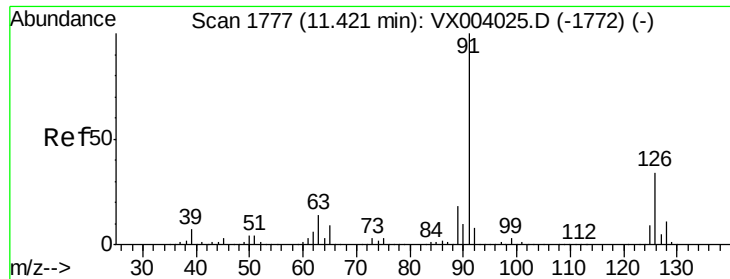
120 24.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

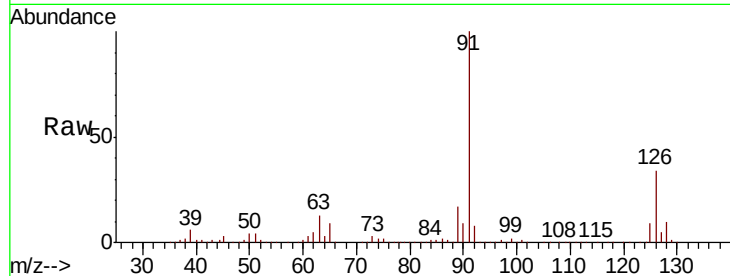




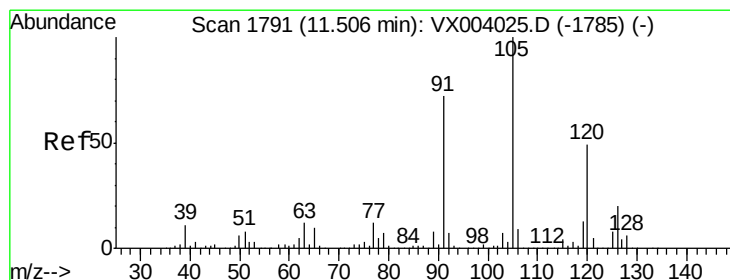
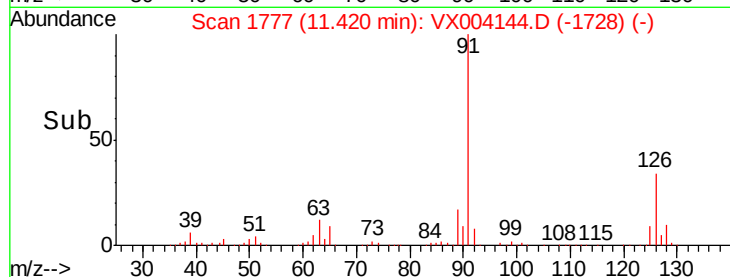
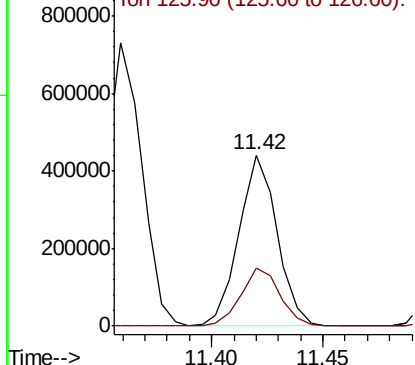
#79
 2-Chlorotoluene
 Concen: 45.25 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 527337
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.4 52.3

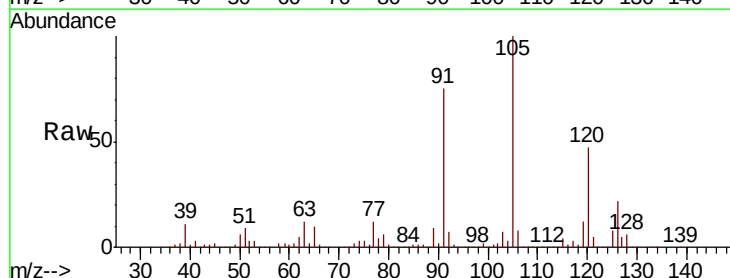


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

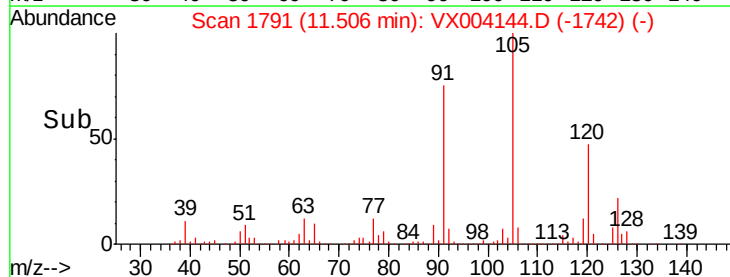
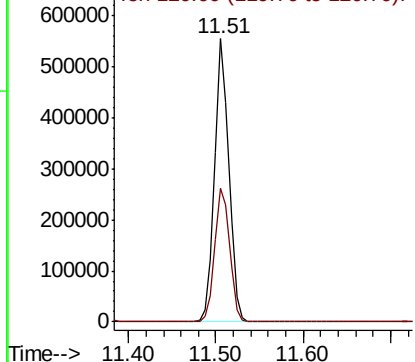


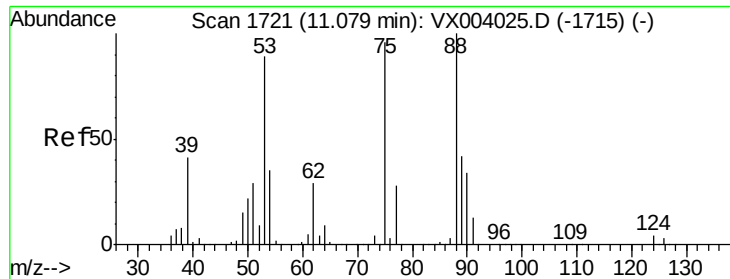
#80
 1,3,5-Trimethylbenzene
 Concen: 44.97 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 105 Resp: 629137
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.4 76.2



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

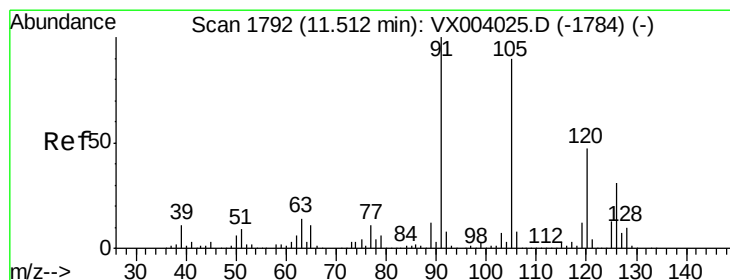
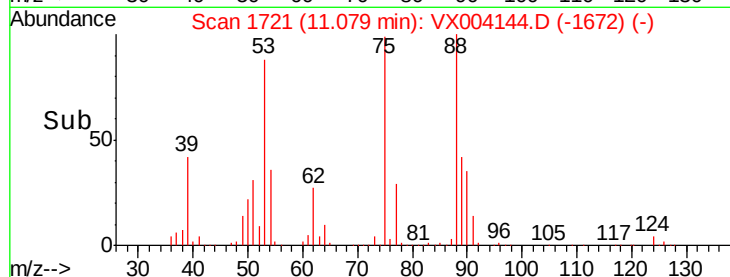
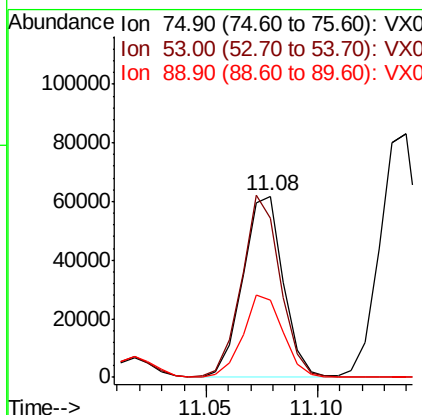
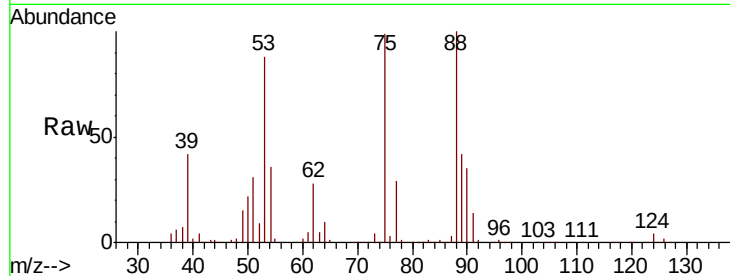




#81
trans-1,4-Dichloro-2-butene
Concen: 47.48 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

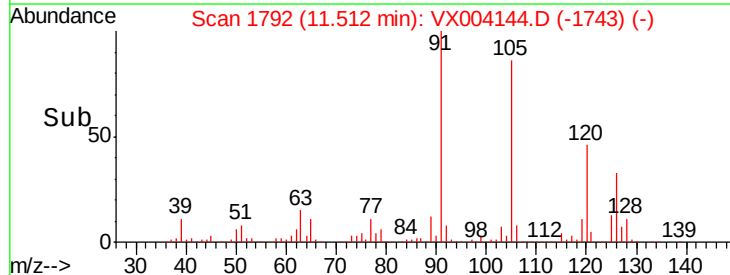
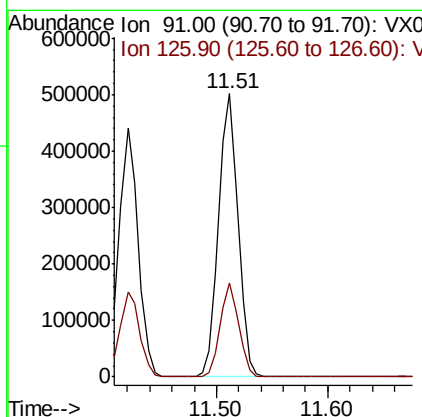
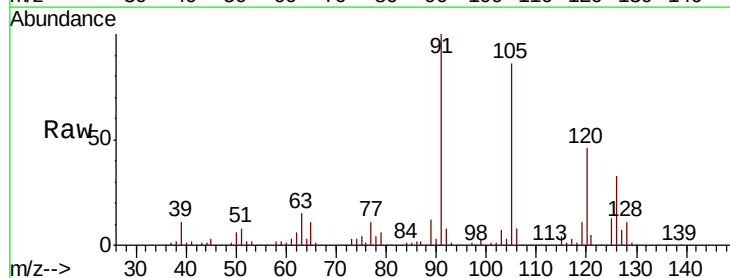
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

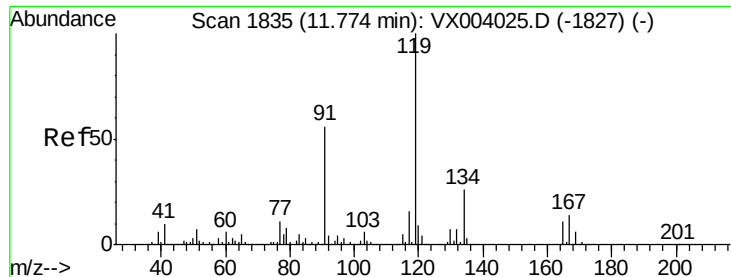
Tot Ion: 75 Resp: 77672
Ion Ratio Lower Upper
75 100
53 96.3 80.3 120.5
89 45.6 37.8 56.8



#82
4-Chlorotoluene
Concen: 44.23 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 91 Resp: 609241
Ion Ratio Lower Upper
91 100
126 31.7 15.6 46.7

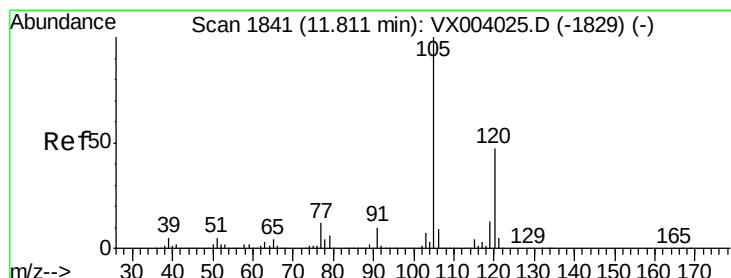
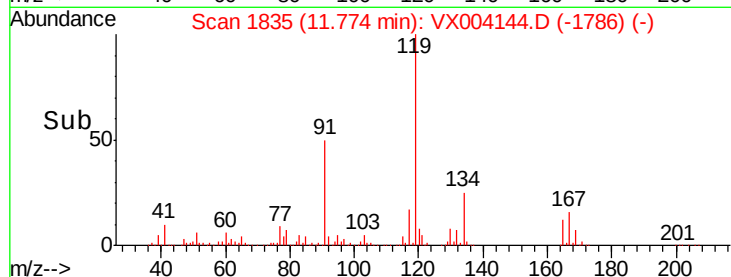
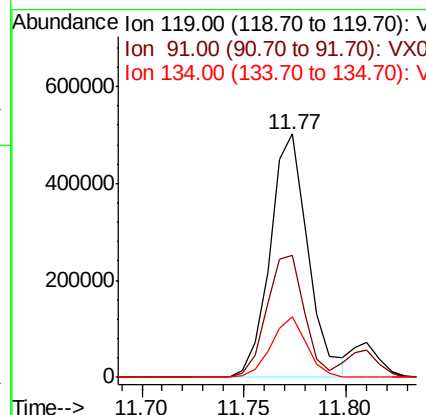
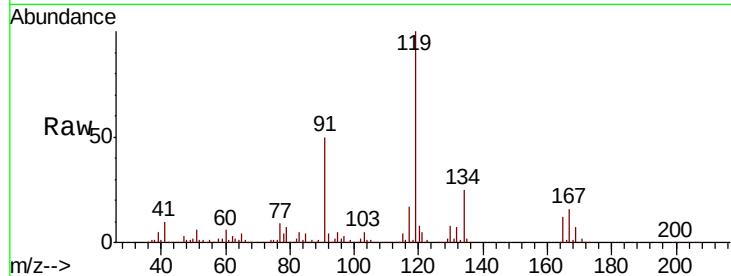




#83
 tert-Butylbenzene
 Concen: 46.11 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

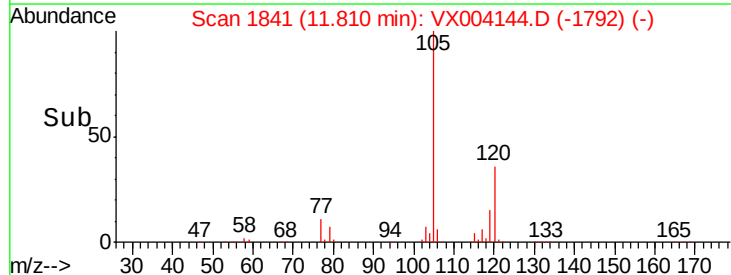
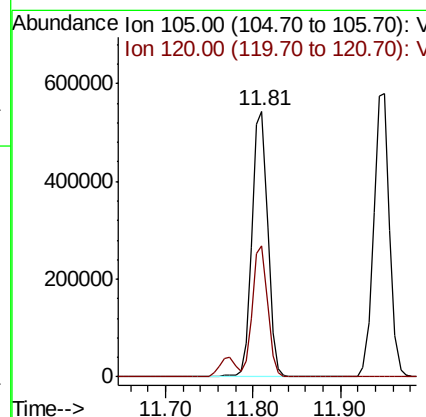
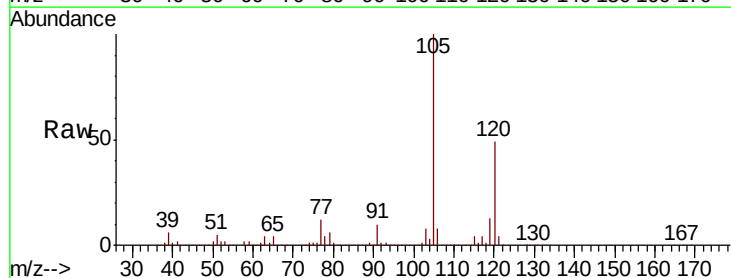
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

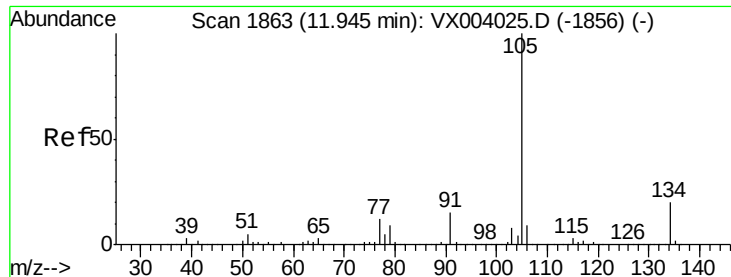
Tot Ion	Ratio	Lower	Upper
119	100		
91	50.1	26.9	80.7
134	23.0	12.0	36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 46.43 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 44.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

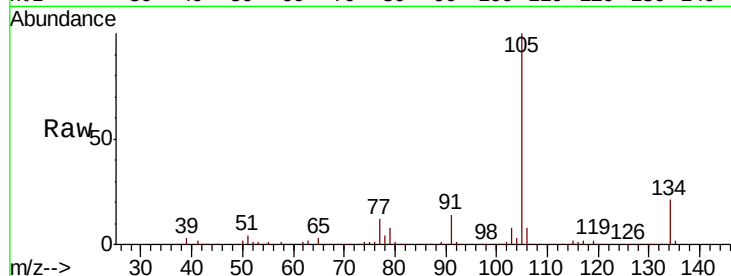
VSTDCCC050

Tot Ion:105 Resp: 742000

Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

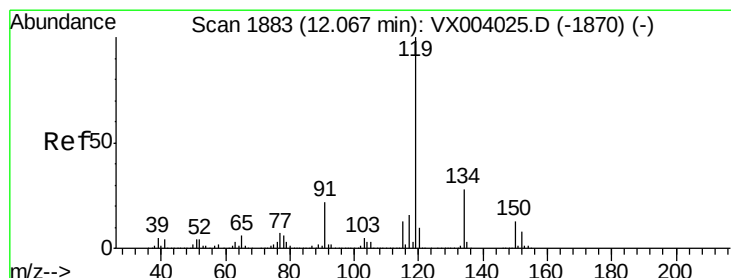
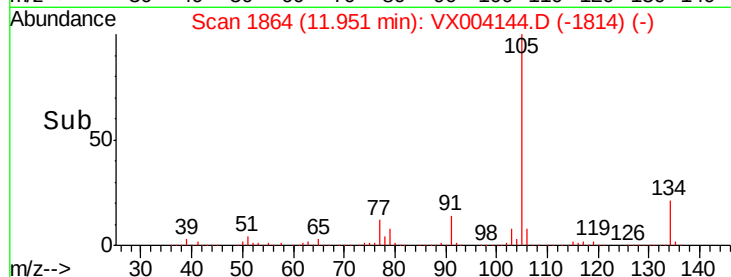
400000

200000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 46.34 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

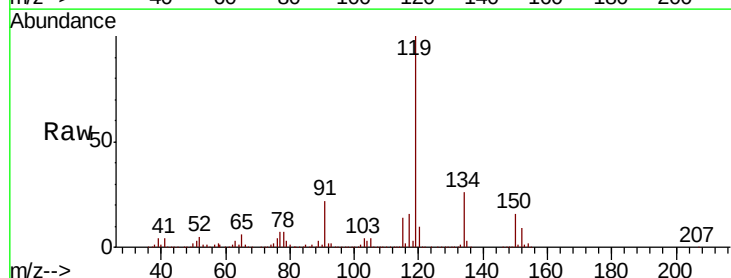
Tgt Ion:119 Resp: 692672

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.2 10.9 32.7



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): VX0

800000

600000

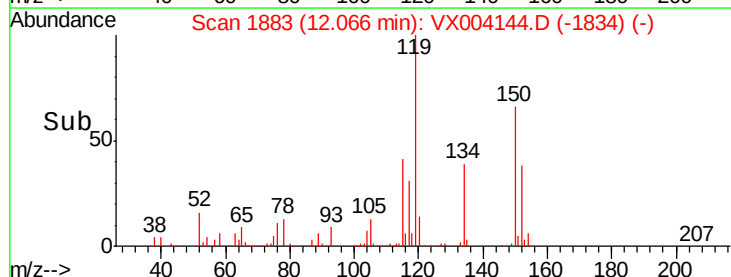
400000

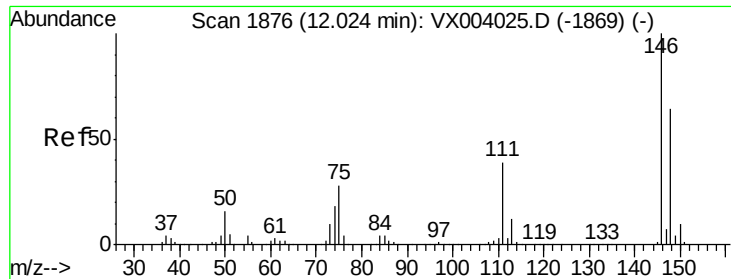
200000

0

12.00 12.07 12.10

Time-->

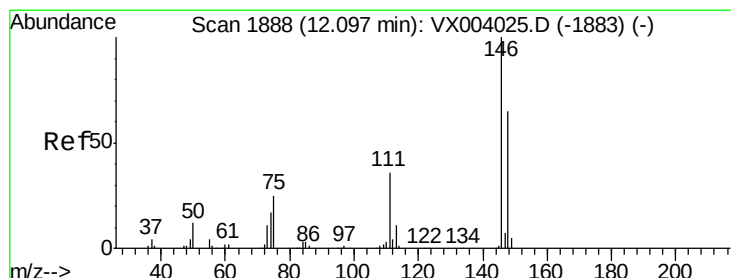
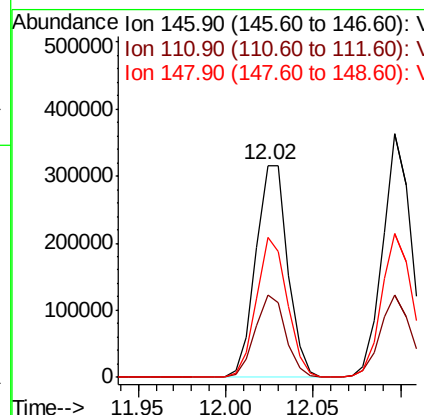
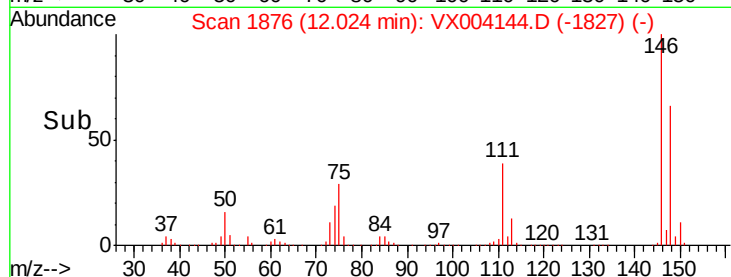
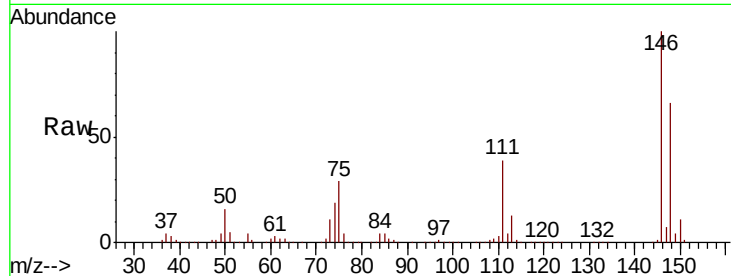




#87
 1,3-Dichlorobenzene
 Concen: 44.90 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

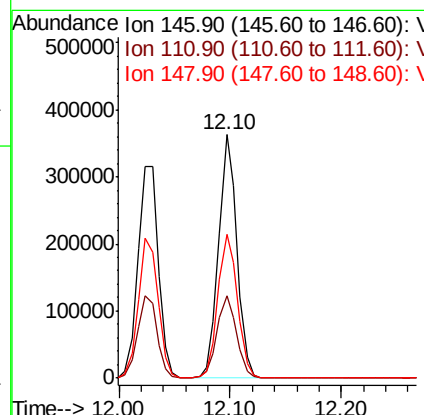
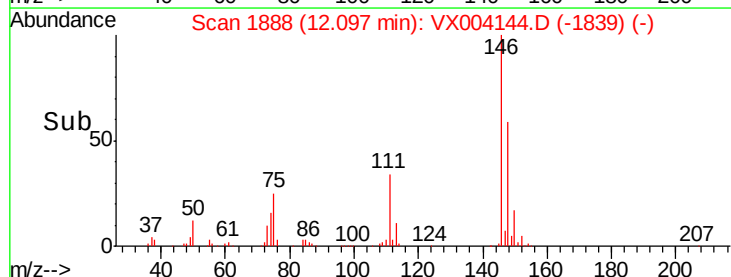
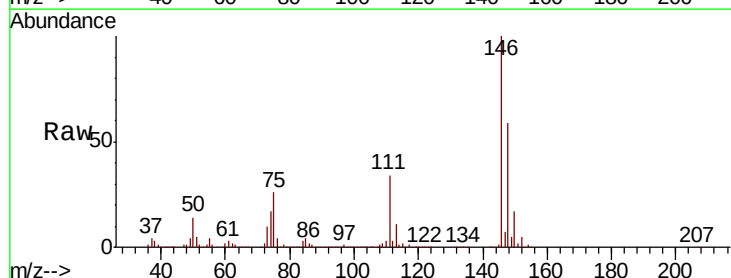
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

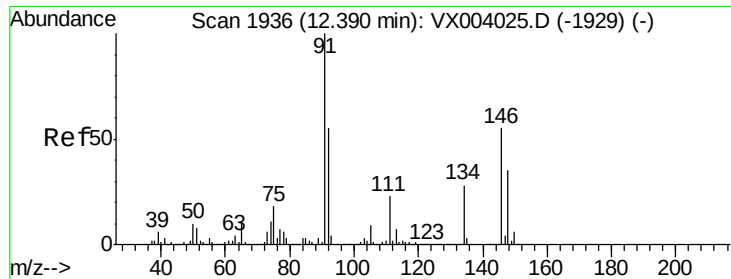
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	63.5	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 44.77 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.4	55.0
148	62.9	32.3	96.8

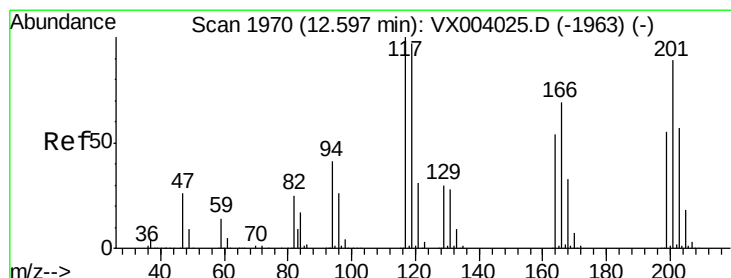
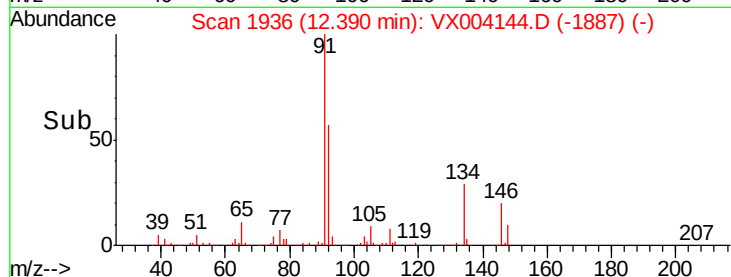
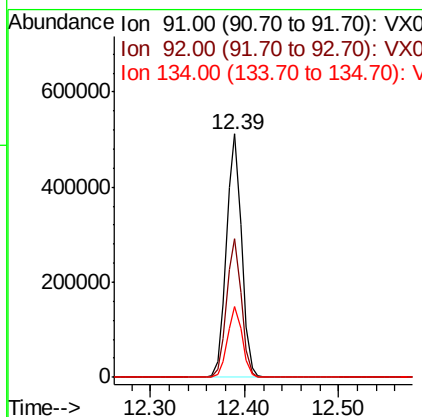
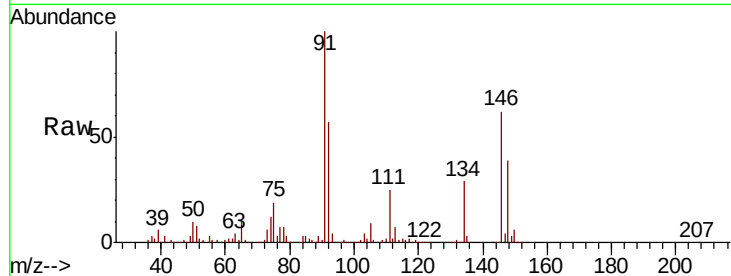




#89
n-Butylbenzene
Concen: 48.40 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

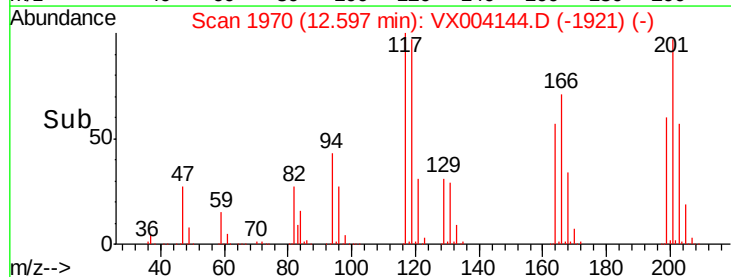
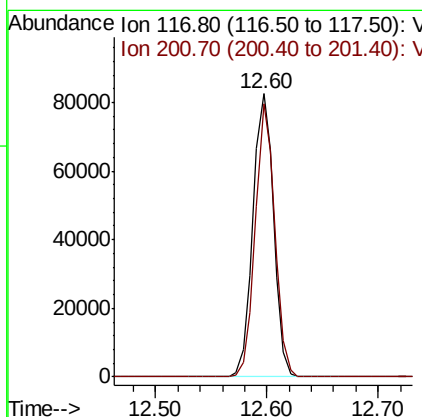
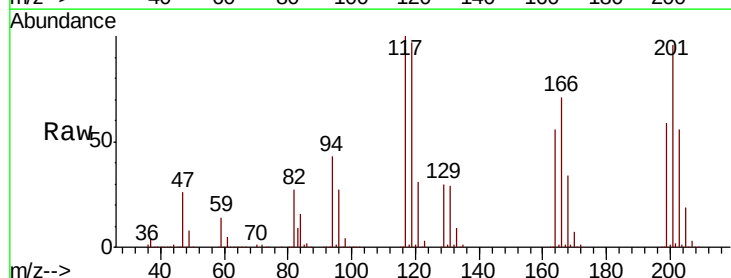
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

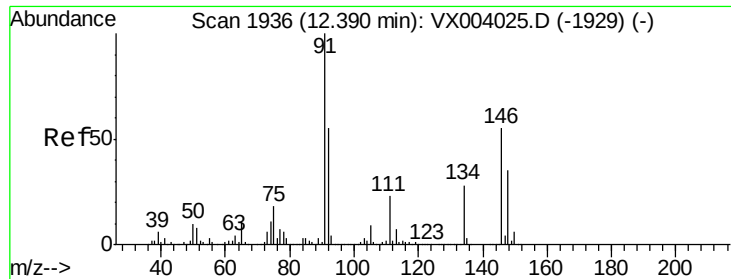
Tot Ion: 91 Resp: 570070
Ion Ratio Lower Upper
91 100
92 55.7 27.1 81.3
134 28.3 13.6 40.7



#90
Hexachloroethane
Concen: 47.81 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004144.D
Acq: 20 Aug 2018 10:16

Tgt Ion: 117 Resp: 106932
Ion Ratio Lower Upper
117 100
201 91.0 46.1 138.2

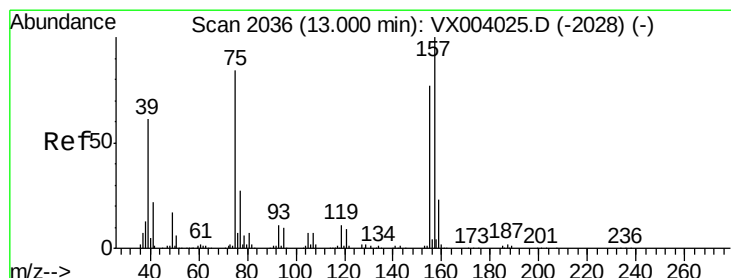
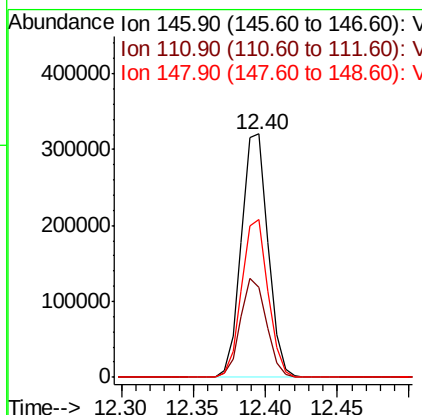
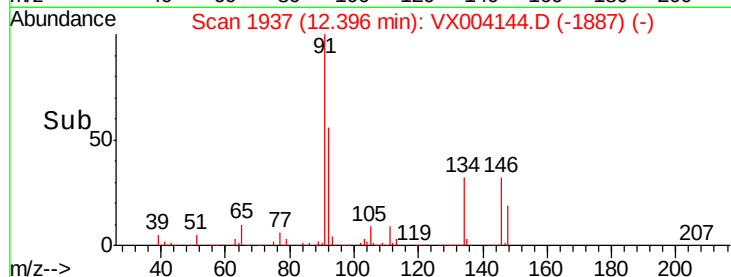
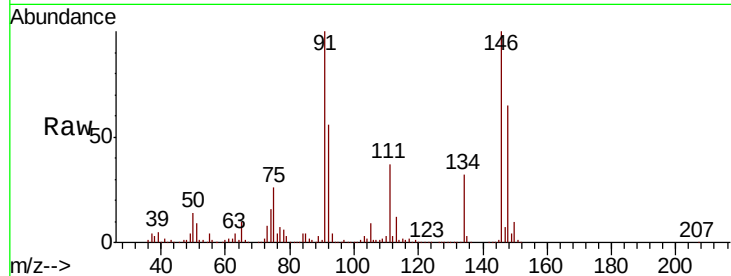




#91
 1,2-Dichlorobenzene
 Concen: 50.93 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

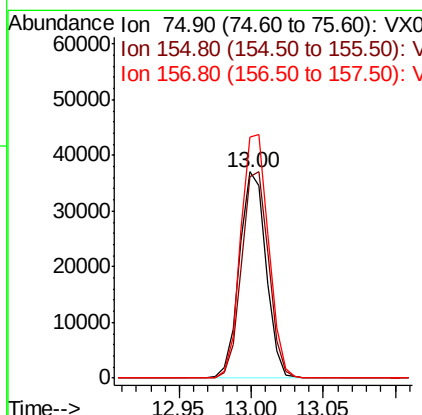
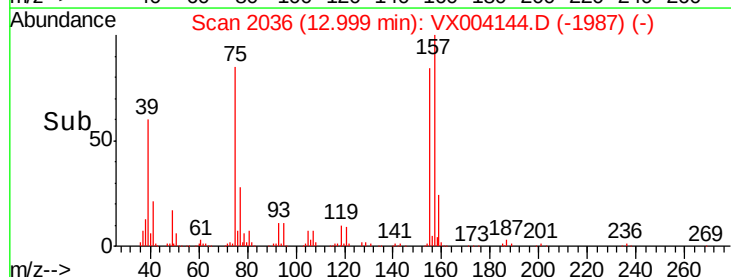
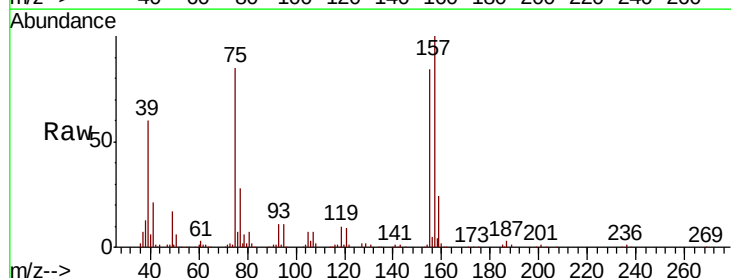
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

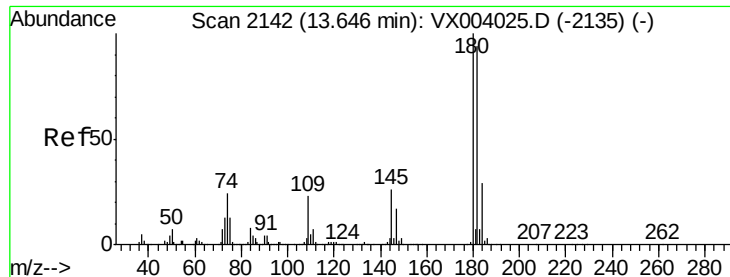
Tot Ion:146 Resp: 412661
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.7 59.0
 148 64.2 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.42 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 75 Resp: 47636
 Ion Ratio Lower Upper
 75 100
 155 100.7 48.7 146.1
 157 122.9 62.6 187.8

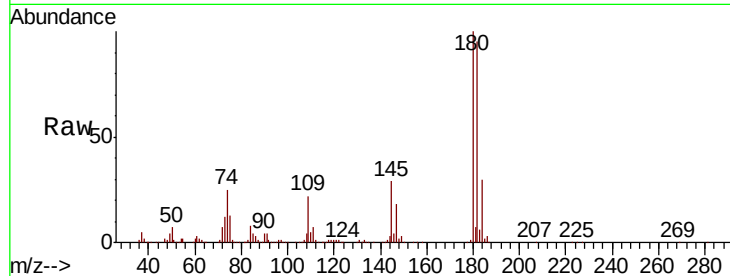




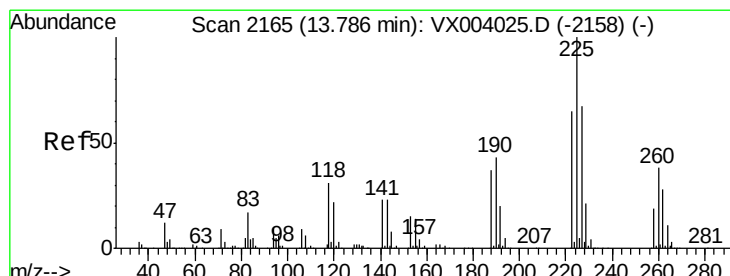
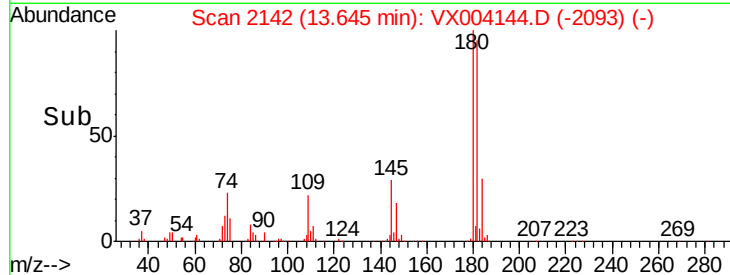
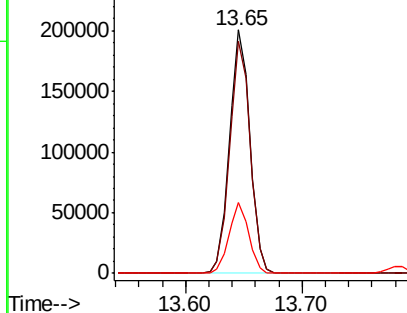
#93
 1,2,4-Trichlorobenzene
 Concen: 44.04 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 243894
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.7 143.1
 145 28.1 13.9 41.6

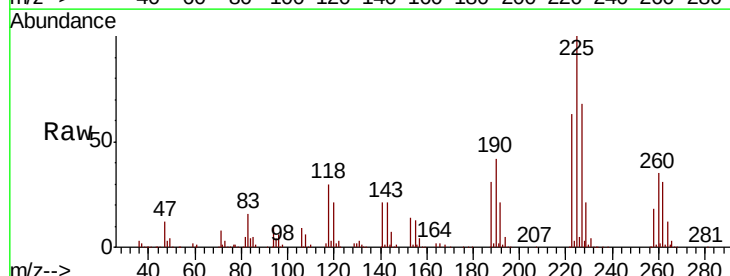


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

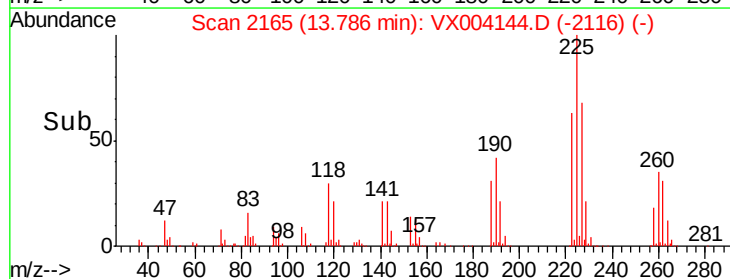
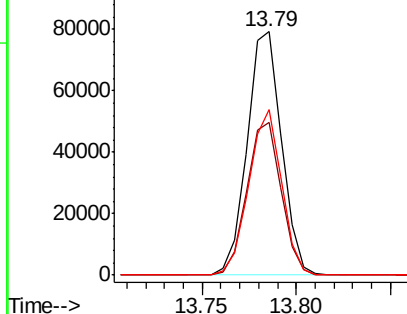


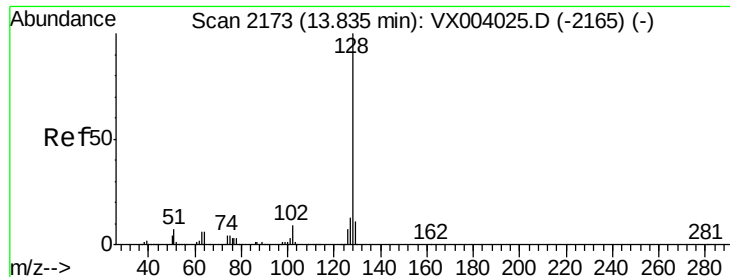
#94
 Hexachlorobutadiene
 Concen: 36.06 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004144.D
 Acq: 20 Aug 2018 10:16

Tgt Ion:225 Resp: 100108
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.0
 227 64.9 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.65 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

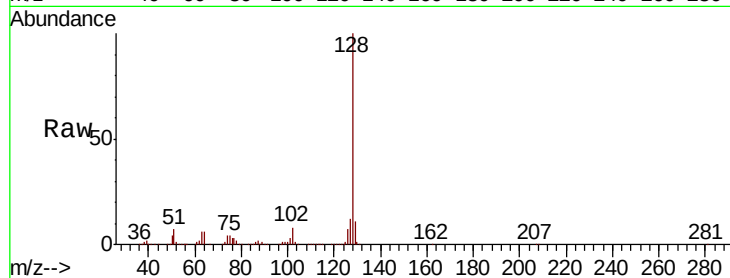
Tot Ion:128 Resp: 786143

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

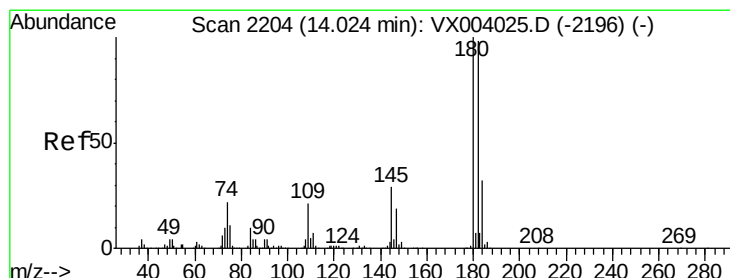
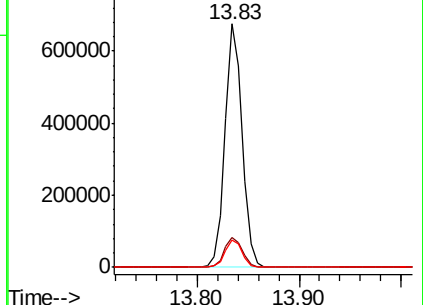
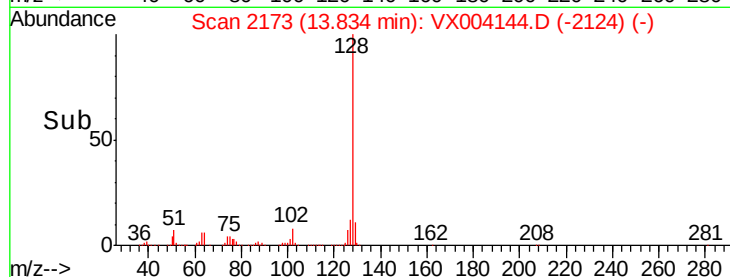
129 11.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.91 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004144.D

Acq: 20 Aug 2018 10:16

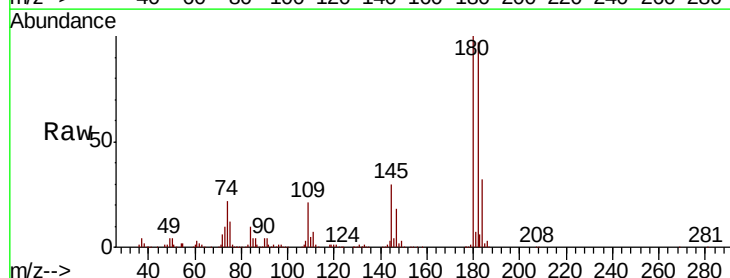
Tgt Ion:180 Resp: 271219

Ion Ratio Lower Upper

180 100

182 97.1 48.1 144.4

145 30.4 14.9 44.7



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

