

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007149.D
 Acq On : 21 Jan 2019 10:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 22 00:12:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	454948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	651019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	617550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	342033	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	239235	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	5.49	113	220805	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
50) Toluene-d8	8.71	98	814454	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
62) 4-Bromofluorobenzene	11.13	95	314513	59.12	ug/l	0.00
Spiked Amount			Recovery	=	118.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	205592	55.030	ug/l	99
3) Chloromethane	1.32	50	214052	49.216	ug/l	99
4) Vinyl Chloride	1.41	62	230177	49.199	ug/l	97
5) Bromomethane	1.64	94	226706	45.355	ug/l	99
6) Chloroethane	1.71	64	153322	46.934	ug/l	98
7) Trichlorofluoromethane	1.93	101	389526	51.529	ug/l	97
8) Diethyl Ether	2.19	74	148725	49.453	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	239503	52.921	ug/l	100
10) Methyl Iodide	2.51	142	309605	50.715	ug/l	100
11) Tert butyl alcohol	3.06	59	245615	218.991	ug/l	100
12) 1,1-Dichloroethene	2.37	96	209404	50.081	ug/l	96
13) Acrolein	2.29	56	147480	304.211	ug/l	98
14) Allyl chloride	2.73	41	365297	50.976	ug/l	99
15) Acrylonitrile	3.15	53	616229	239.337	ug/l	99
16) Acetone	2.44	43	619872	263.717	ug/l	99
17) Carbon Disulfide	2.57	76	490387	45.553	ug/l	97
18) Methyl Acetate	2.77	43	337303	49.553	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	742685	51.174	ug/l	98
20) Methylene Chloride	2.85	84	240802	53.906	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	226036	48.509	ug/l	97
22) Diisopropyl ether	3.87	45	714466	53.034	ug/l	94
23) Vinyl Acetate	3.82	43	2987496	262.956	ug/l	99
24) 1,1-Dichloroethane	3.70	63	409210	54.322	ug/l	98
25) 2-Butanone	4.69	43	850418	252.856	ug/l	99
26) 2,2-Dichloropropane	4.58	77	324928	56.093	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	261960	50.968	ug/l	98
28) Bromochloromethane	5.01	49	166286	50.383	ug/l	95
29) Tetrahydrofuran	5.14	42	509661	233.180	ug/l	97
30) Chloroform	5.21	83	425560	53.957	ug/l	98
31) Cyclohexane	5.57	56	345986	51.603	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	364682	54.551	ug/l	98
36) 1,1-Dichloropropene	5.79	75	305074	53.899	ug/l	99
37) Ethyl Acetate	4.84	43	309745	51.045	ug/l	98
38) Carbon Tetrachloride	5.78	117	322266	56.590	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	391647	54.277	ug/l	96
40) Benzene	6.14	78	923832	53.492	ug/l	100
41) Methacrylonitrile	5.05	41	174714	49.979	ug/l	98
42) 1,2-Dichloroethane	6.20	62	316830	53.088	ug/l	99
43) Isopropyl Acetate	6.45	43	511249	53.413	ug/l	98
44) Trichloroethene	7.21	130	276493	53.425	ug/l	100
45) 1,2-Dichloropropane	7.51	63	237023	54.590	ug/l	94
46) Dibromomethane	7.66	93	167851	55.006	ug/l	98
47) Bromodichloromethane	7.90	83	307441	59.190	ug/l	98
48) Methyl methacrylate	7.77	41	265369	53.987	ug/l	96
49) 1,4-Dioxane	7.75	88	110559	984.783	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1702409	276.756	ug/l	99
52) Toluene	8.78	92	609455	54.904	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	344804	59.866	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	371903	58.471	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	255057	57.405	ug/l	99
56) Ethyl methacrylate	9.18	69	375241	57.851	ug/l	95
57) 1,3-Dichloropropane	9.37	76	409535	56.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1013860	304.007	ug/l	99
59) 2-Hexanone	9.49	43	1350249	288.044	ug/l	98
60) Dibromochloromethane	9.58	129	276044	63.983	ug/l	98
61) 1,2-Dibromoethane	9.67	107	272767	55.765	ug/l	100
64) Tetrachloroethene	9.34	164	294409	55.065	ug/l	95
65) Chlorobenzene	10.13	112	728537	54.090	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	264882	58.460	ug/l	99
67) Ethyl Benzene	10.25	91	1214891	54.637	ug/l	99
68) m/p-Xylenes	10.35	106	980617	111.935	ug/l	100
69) o-Xylene	10.69	106	478564	56.013	ug/l	97
70) Styrene	10.71	104	789375	58.336	ug/l	100
71) Bromoform	10.85	173	211855	52.048	ug/l	99
73) Isopropylbenzene	11.02	105	1279964	53.071	ug/l	99
74) N-amyl acetate	10.90	43	486580	50.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	381647	49.845	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	441346	63.676	ug/l	91
77) Bromobenzene	11.26	156	349537	52.598	ug/l	97
78) n-propylbenzene	11.36	91	1479494	55.879	ug/l	99
79) 2-Chlorotoluene	11.42	91	845324	53.039	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1083622	53.771	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	112374	49.009	ug/l	98
82) 4-Chlorotoluene	11.51	91	1009899	54.727	ug/l	100
83) tert-Butylbenzene	11.77	119	1056607	52.550	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1104690	54.512	ug/l	100
85) sec-Butylbenzene	11.94	105	1333959	55.552	ug/l	100
86) p-Isopropyltoluene	12.06	119	1203206	56.018	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	637196	53.049	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	643971	56.565	ug/l	99
89) n-Butylbenzene	12.39	91	1056107	57.679	ug/l	99
90) Hexachloroethane	12.60	117	184735	53.650	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	630343	53.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	78654	51.941	ug/l	100

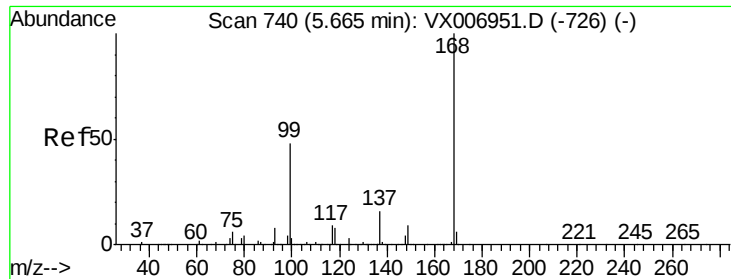
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	456337	56.113	ug/l	100
94) Hexachlorobutadiene	13.78	225	212290	58.824	ug/l	99
95) Naphthalene	13.83	128	1299524	52.734	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	451486	55.886	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

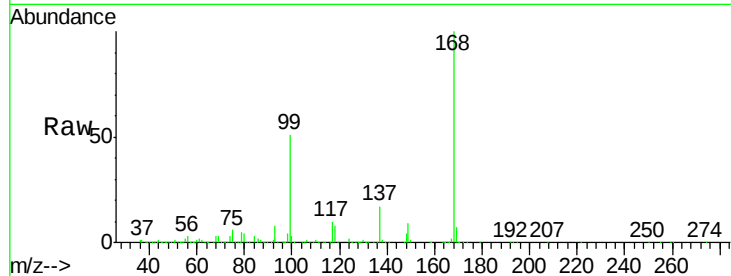
VSTDCCC050

Tot Ion:168 Resp: 454948

Ion Ratio Lower Upper

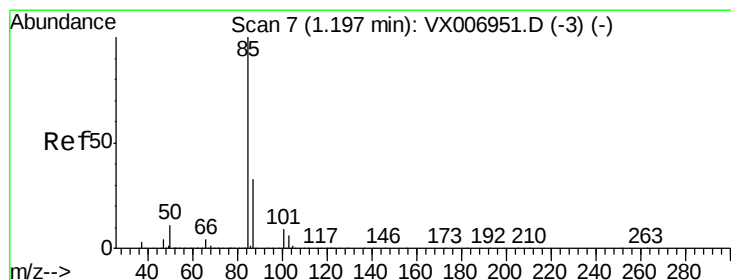
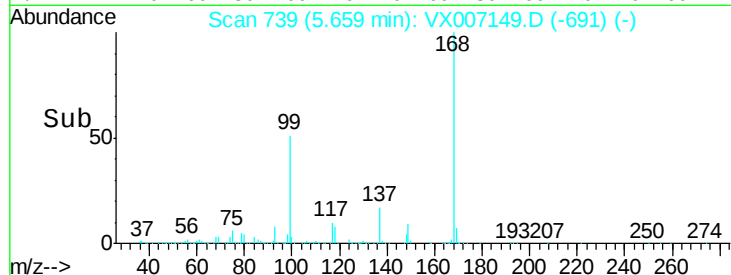
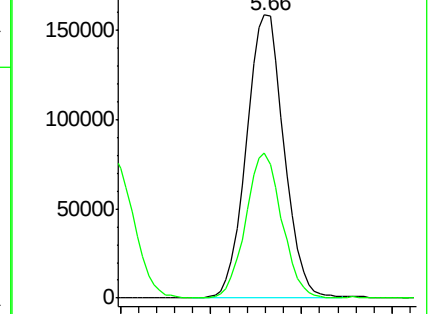
168 100

99 51.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 55.030 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007149.D

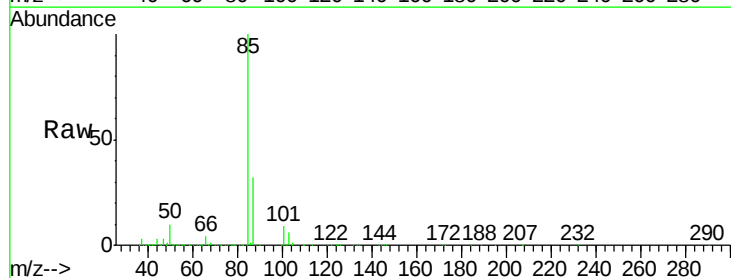
Acq: 21 Jan 2019 10:34

Tgt Ion: 85 Resp: 205592

Ion Ratio Lower Upper

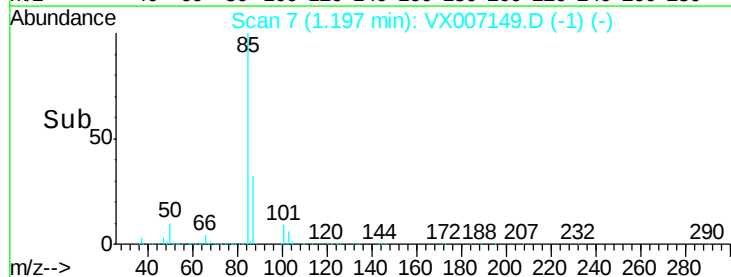
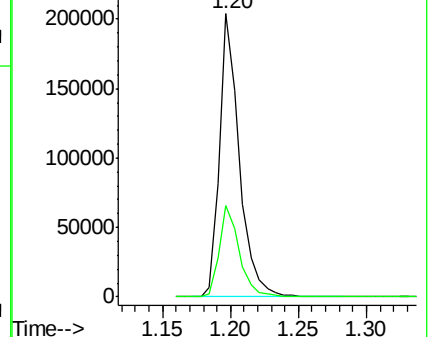
85 100

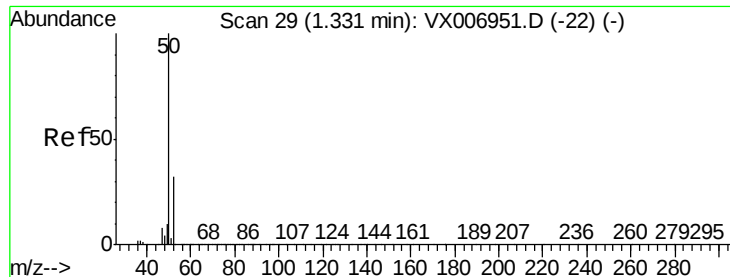
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

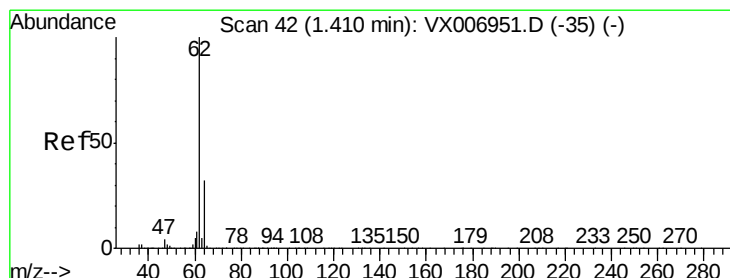
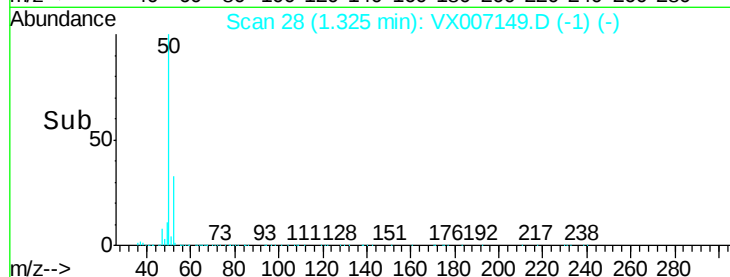
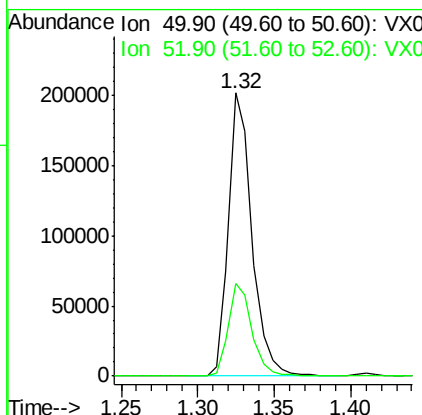
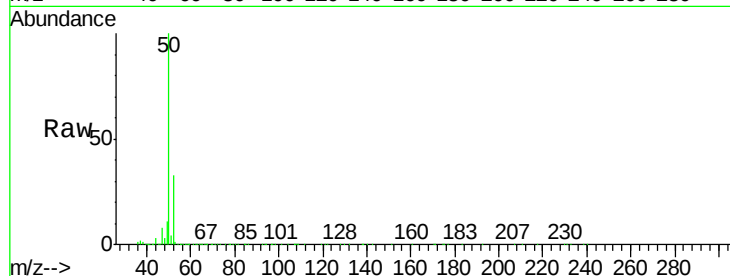




#3
Chloromethane
Concen: 49.216 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

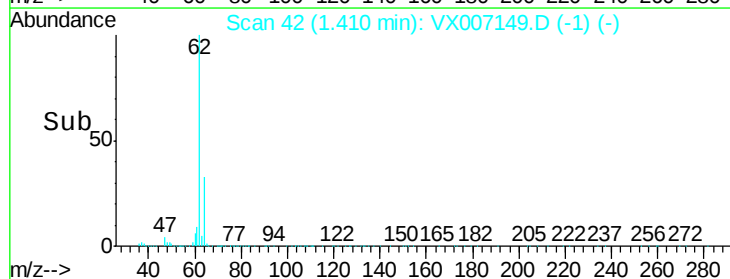
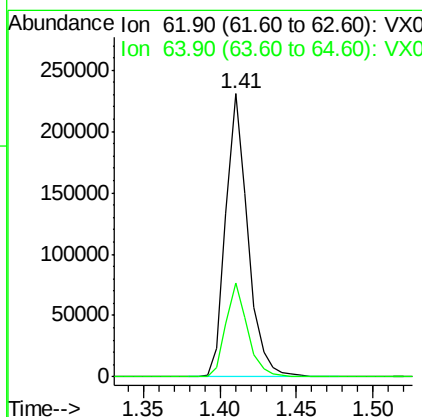
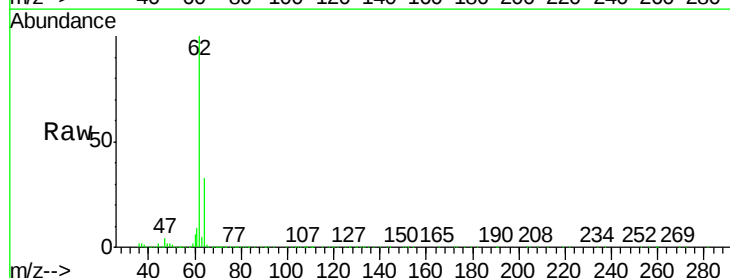
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

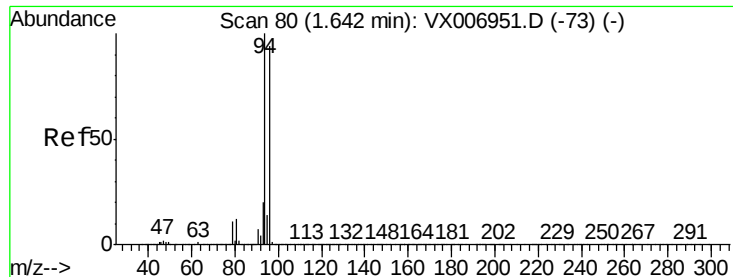
Tot Ion: 50 Resp: 214052
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.2



#4
Vinyl Chloride
Concen: 49.199 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 62 Resp: 230177
Ion Ratio Lower Upper
62 100
64 33.0 25.1 37.7





#5

Bromomethane

Concen: 45.355 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

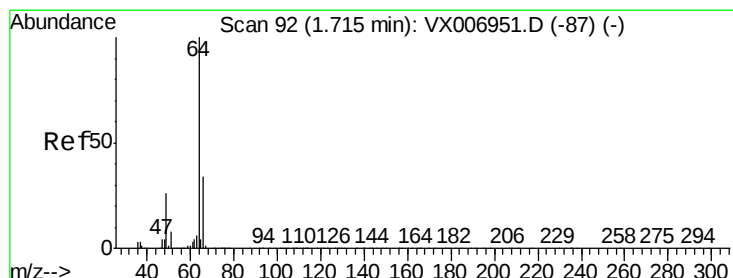
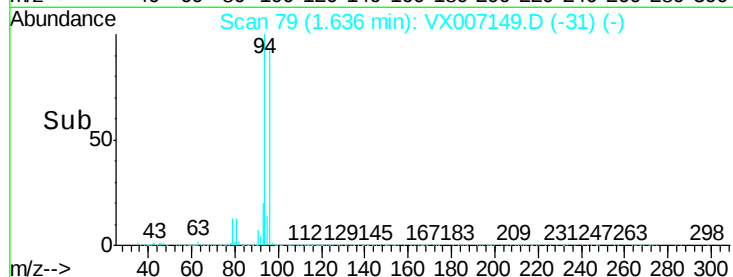
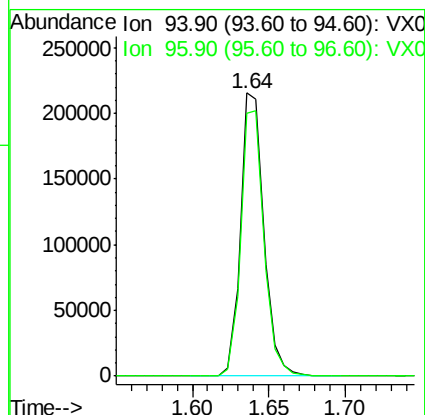
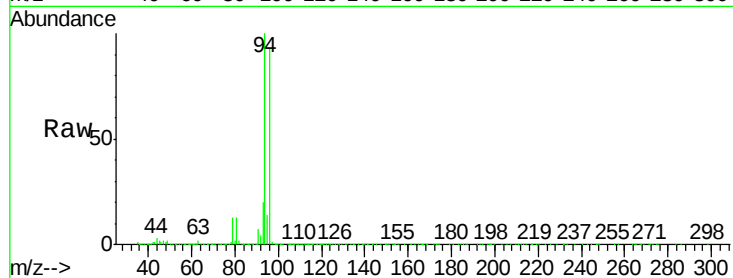
VSTDCCC050

Tot Ion: 94 Resp: 226706

Ion Ratio Lower Upper

94 100

96 92.7 73.4 110.2



#6

Chloroethane

Concen: 46.934 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX007149.D

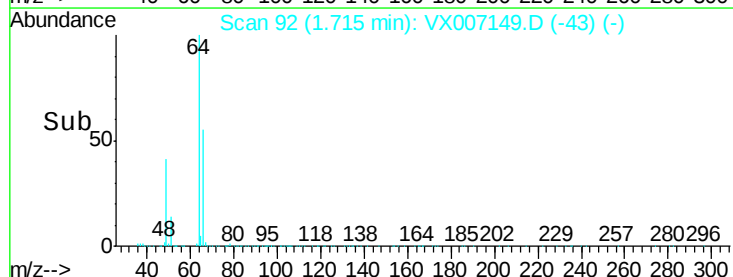
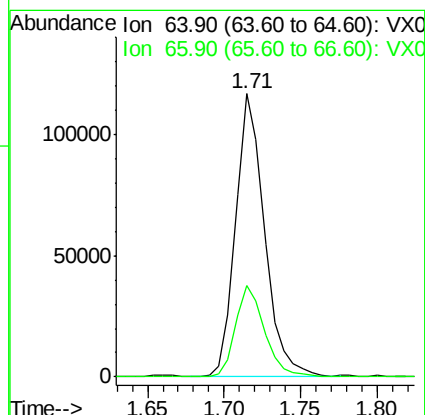
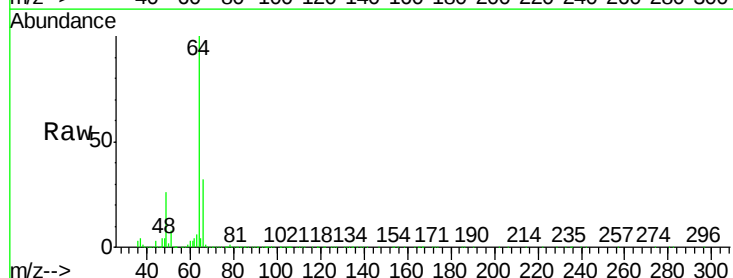
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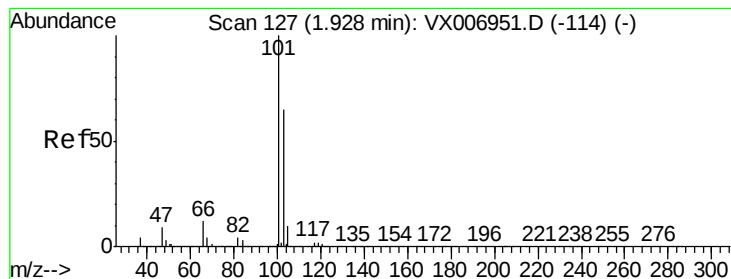
Tgt Ion: 64 Resp: 153322

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6



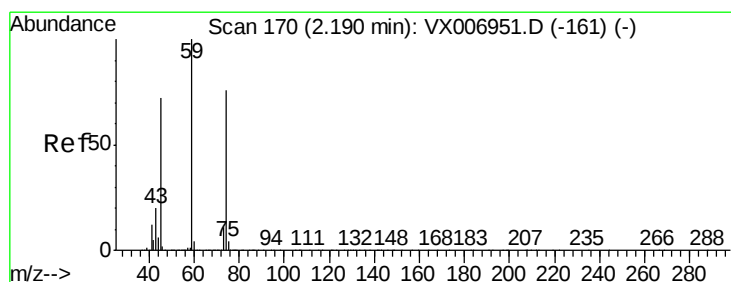
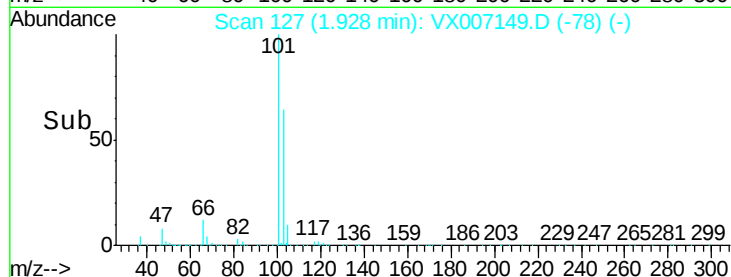
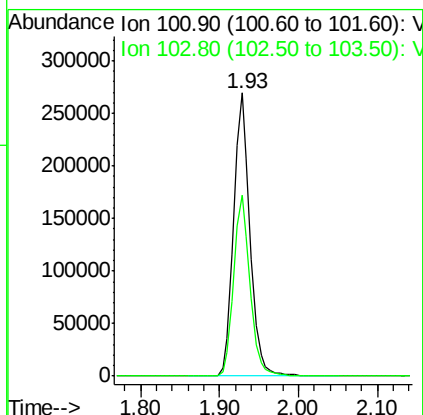
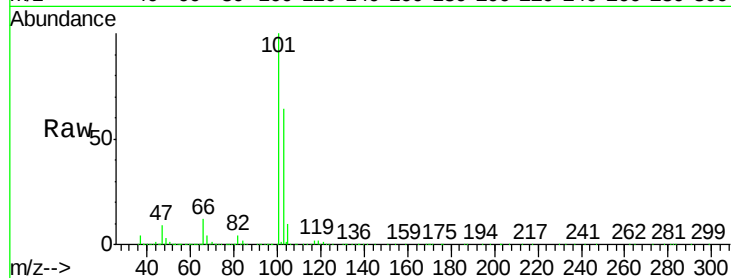


#7

Trichlorofluoromethane
Concen: 51.529 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

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ClientSampleId :
VSTDCCC050

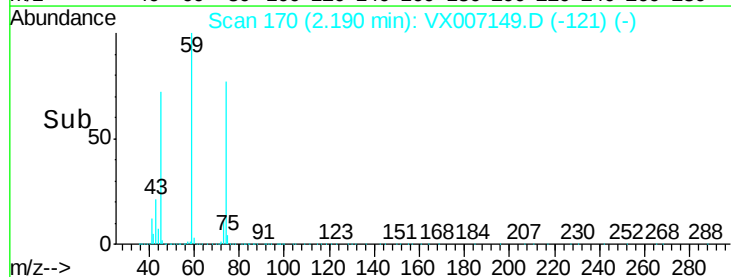
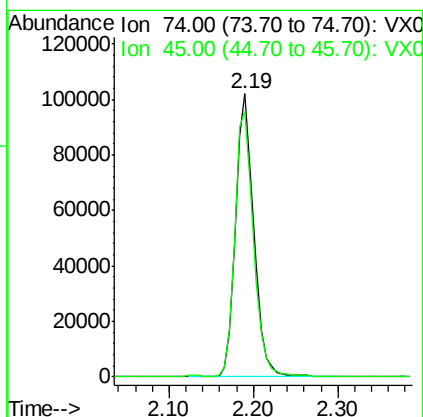
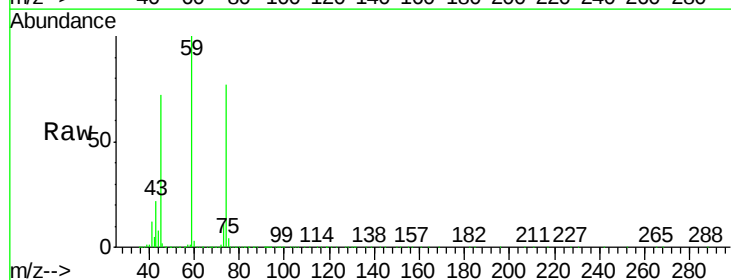
Tot Ion:101 Resp: 389526
Ion Ratio Lower Upper
101 100
103 63.7 53.2 79.8

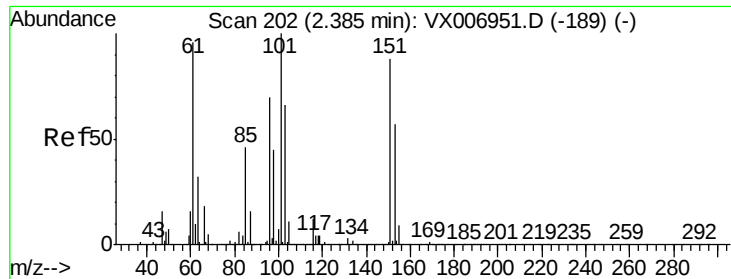


#8

Diethyl Ether
Concen: 49.453 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 74 Resp: 148725
Ion Ratio Lower Upper
74 100
45 95.5 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.921 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

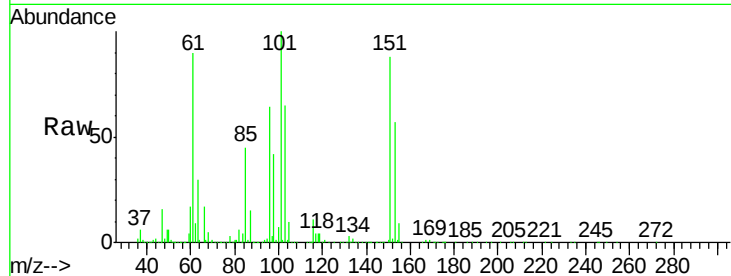
Tot Ion:101 Resp: 239503

Ion Ratio Lower Upper

101 100

85 44.1 35.1 52.7

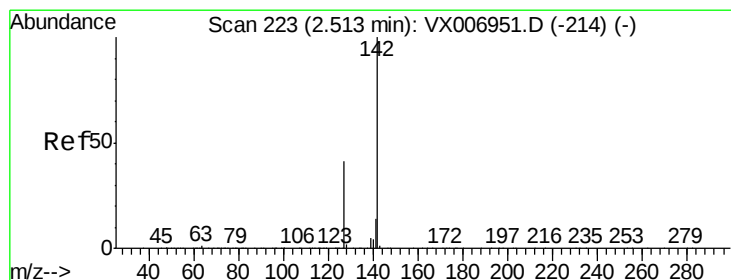
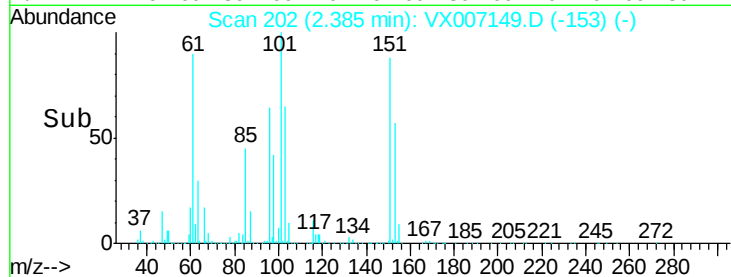
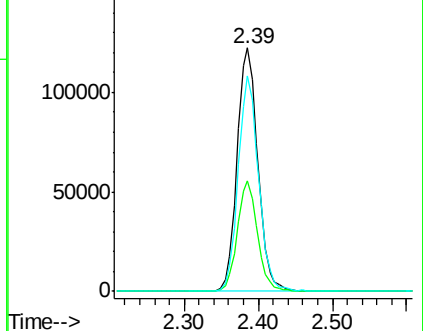
151 86.5 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.715 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

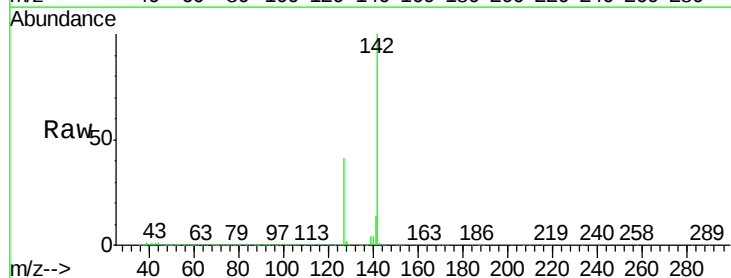
Tgt Ion:142 Resp: 309605

Ion Ratio Lower Upper

142 100

127 42.3 33.9 50.9

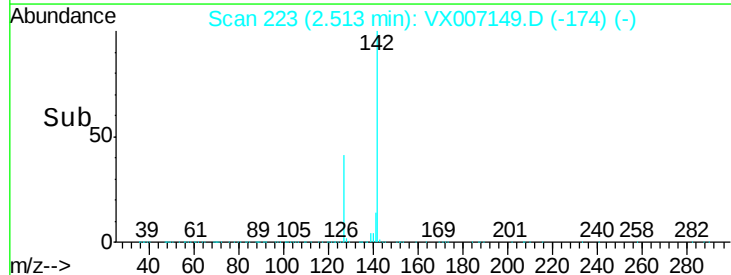
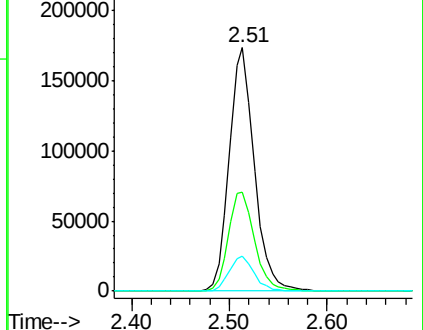
141 14.3 11.4 17.0

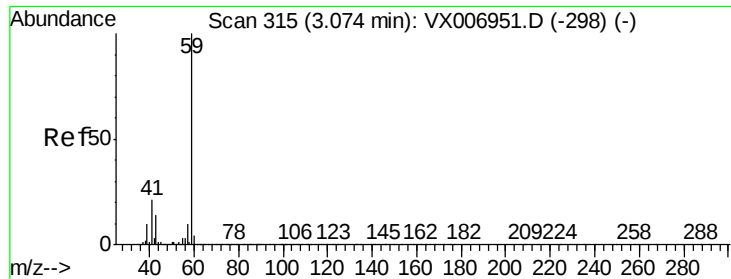


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

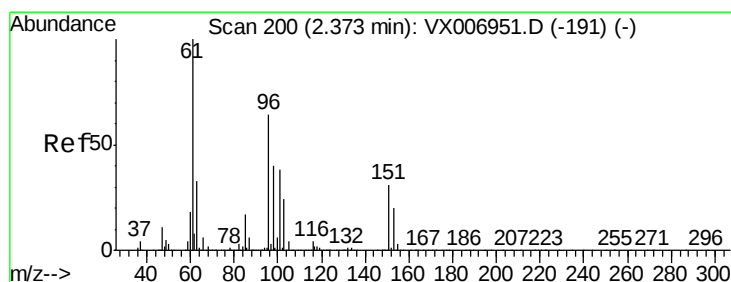
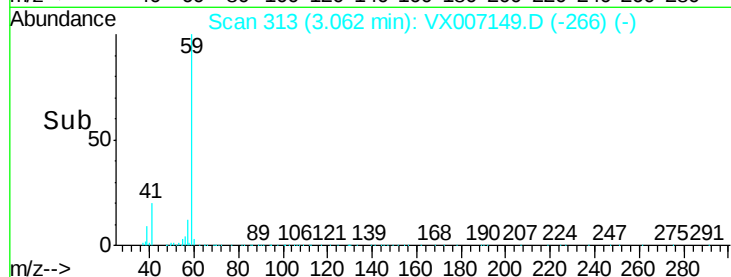
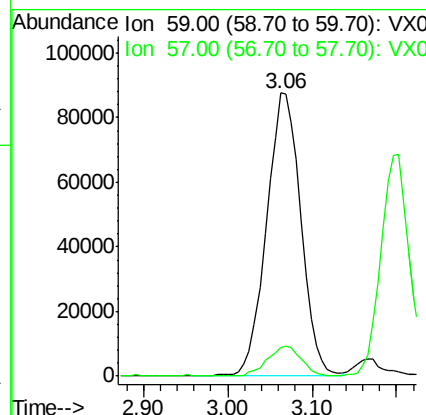
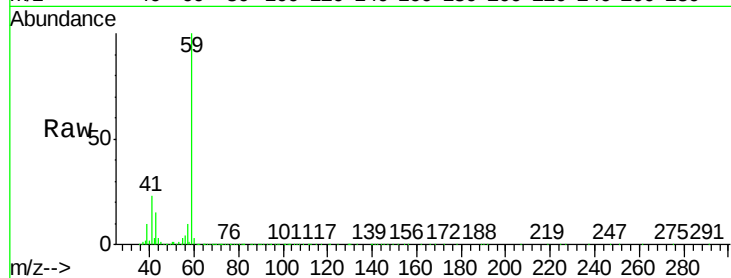




#11
Tert butyl alcohol
Concen: 218.991 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

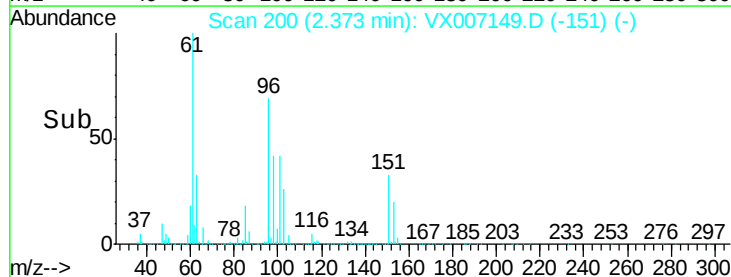
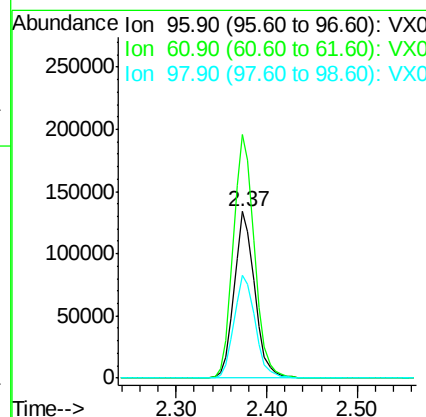
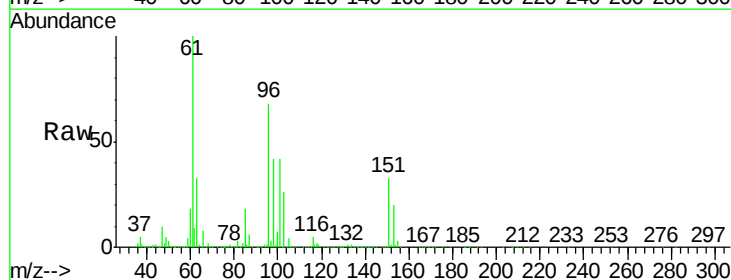
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

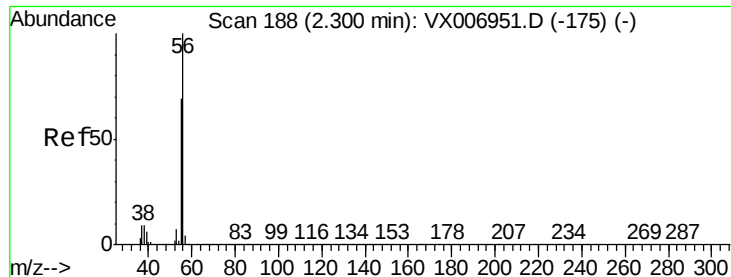
Tot Ion: 59 Resp: 245615
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#12
1,1-Dichloroethene
Concen: 50.081 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 96 Resp: 209404
Ion Ratio Lower Upper
96 100
61 146.1 121.4 182.2
98 61.6 51.9 77.9





#13

Acrolein

Concen: 304.211 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

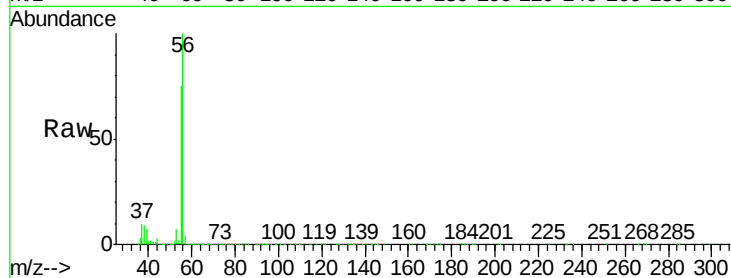
VSTDCCC050

Tot Ion: 56 Resp: 147480

Ion Ratio Lower Upper

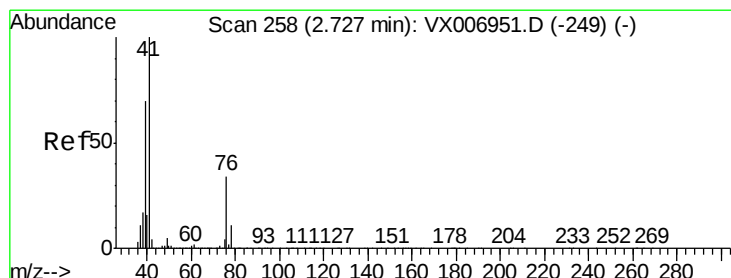
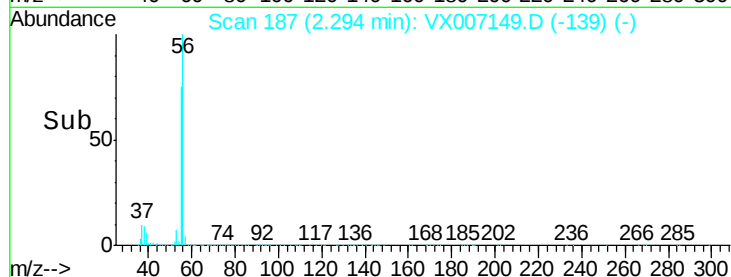
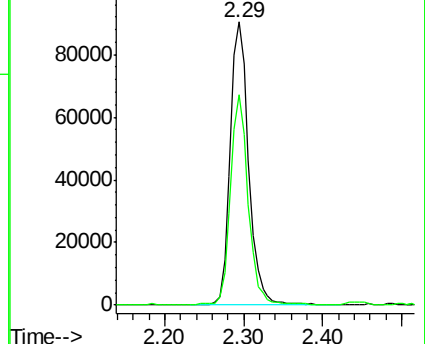
56 100

55 71.2 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.976 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

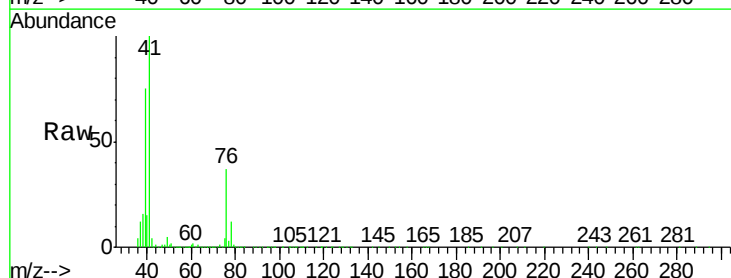
Tgt Ion: 41 Resp: 365297

Ion Ratio Lower Upper

41 100

39 67.6 53.6 80.4

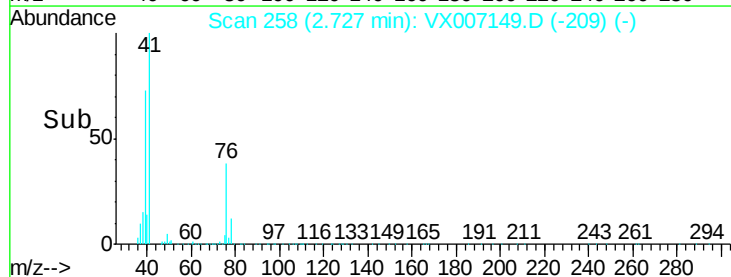
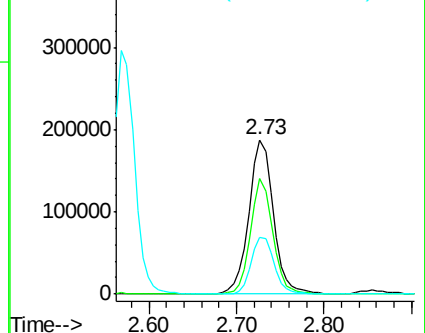
76 34.3 27.4 41.2

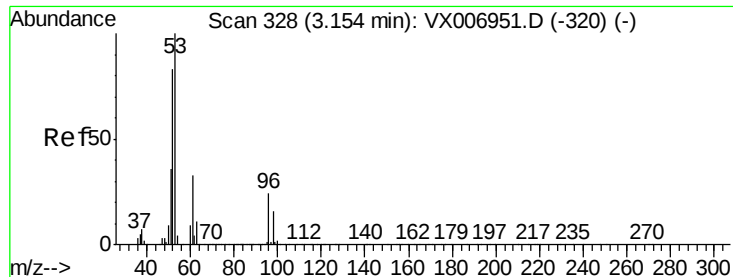


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 239.337 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

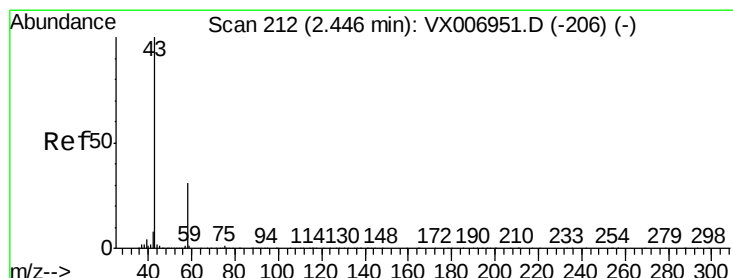
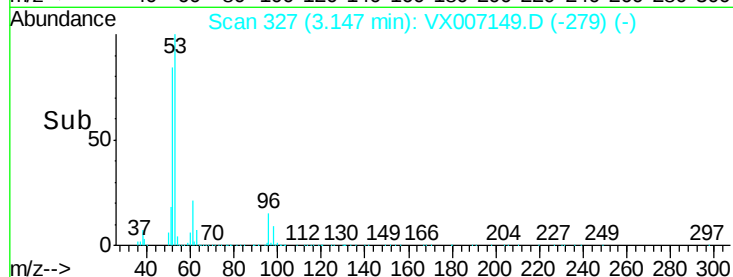
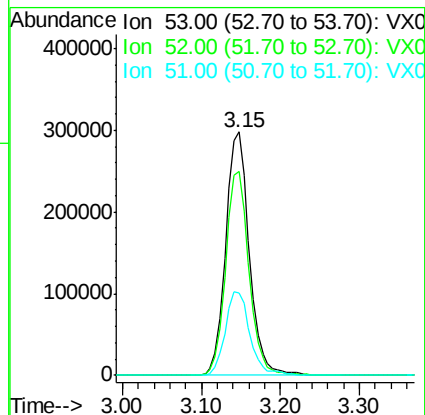
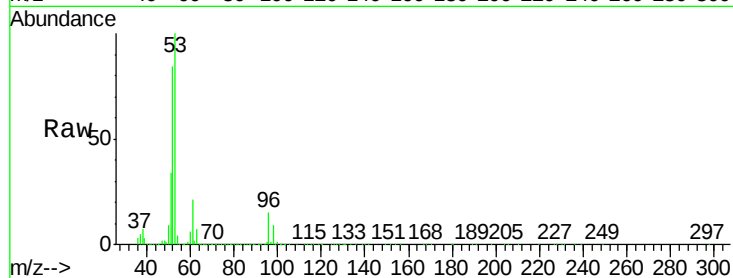
Tot Ion: 53 Resp: 616229

Ion Ratio Lower Upper

53 100

52 83.2 66.0 99.0

51 35.8 28.6 42.8



#16

Acetone

Concen: 263.717 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007149.D

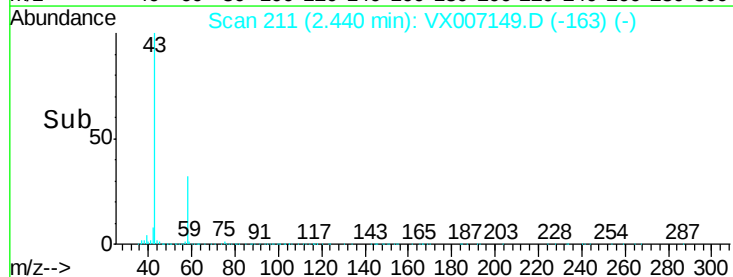
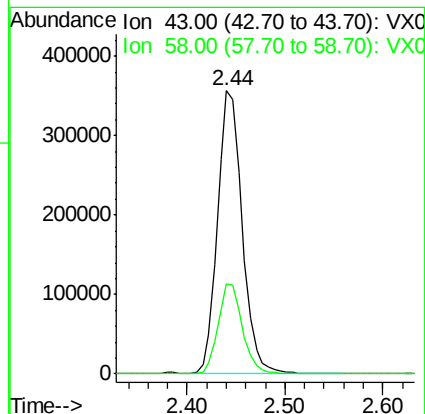
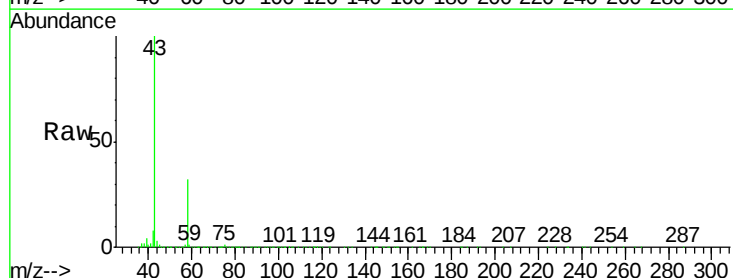
Acq: 21 Jan 2019 10:34

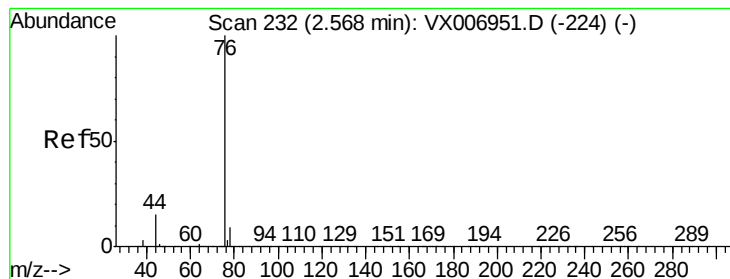
Tgt Ion: 43 Resp: 619872

Ion Ratio Lower Upper

43 100

58 31.7 25.0 37.6





#17

Carbon Disulfide

Concen: 45.553 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

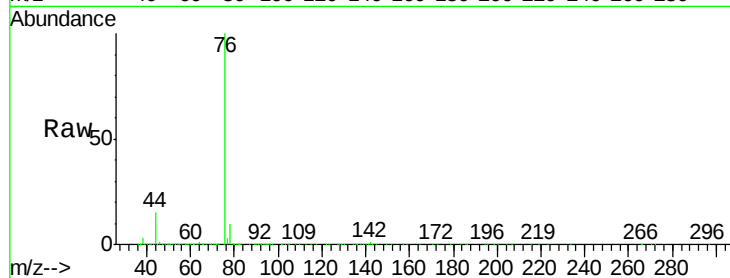
VSTDCCC050

Tot Ion: 76 Resp: 490387

Ion Ratio Lower Upper

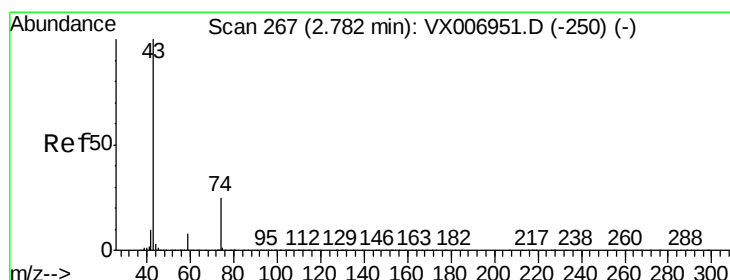
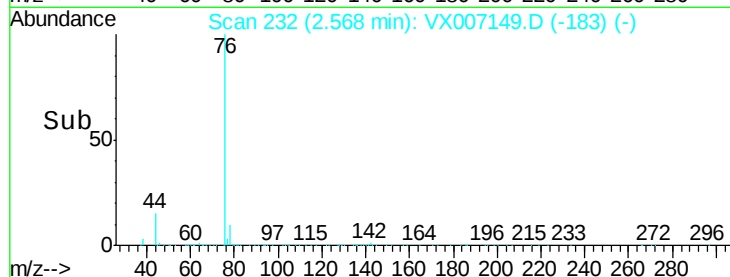
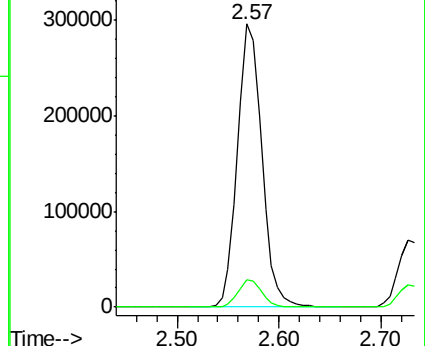
76 100

78 9.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.553 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX007149.D

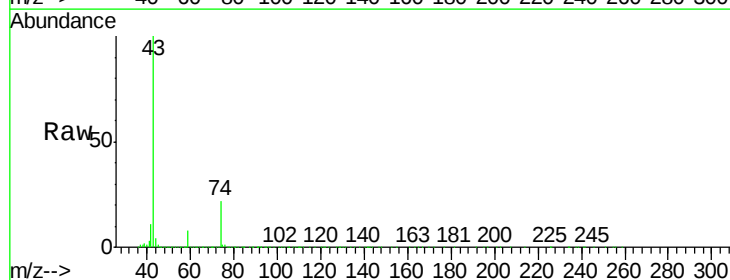
Acq: 21 Jan 2019 10:34

Tgt Ion: 43 Resp: 337303

Ion Ratio Lower Upper

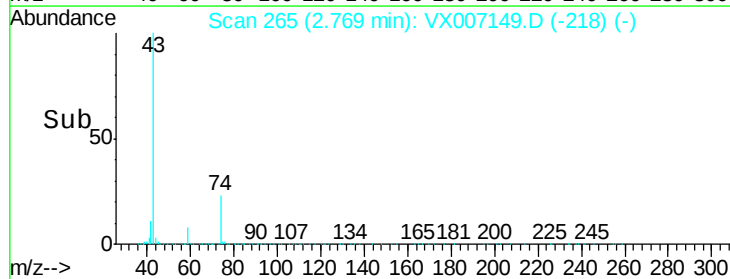
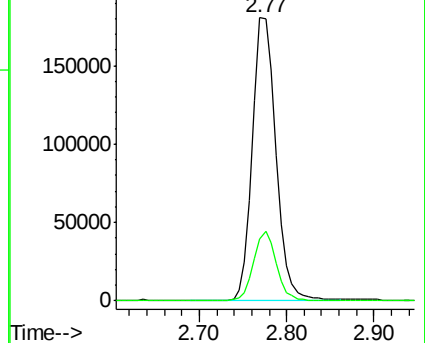
43 100

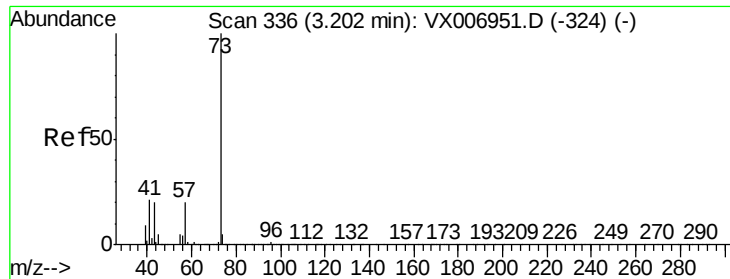
74 23.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



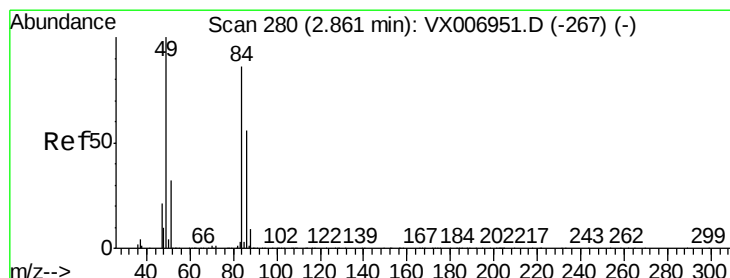
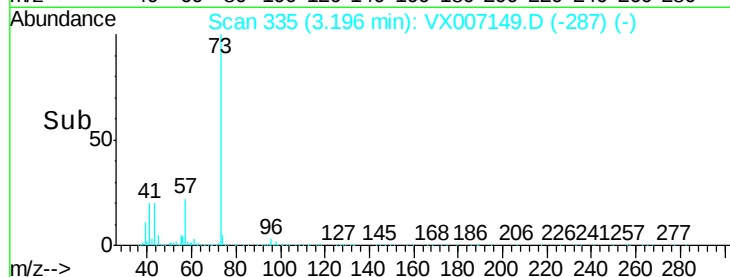
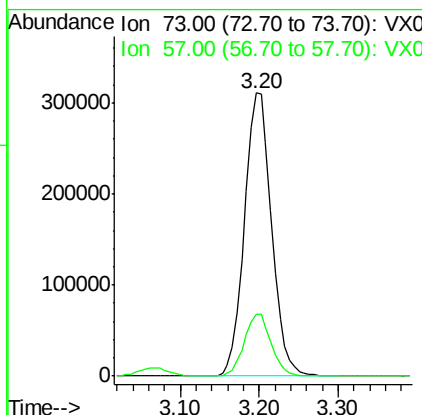
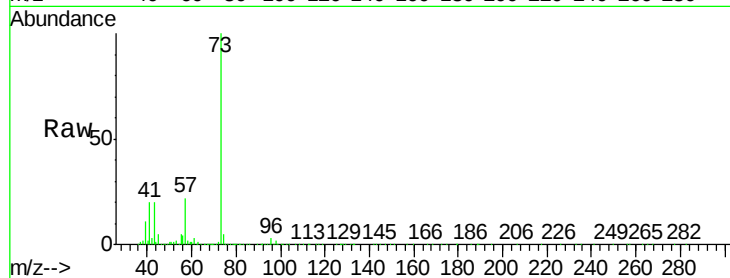


#19

Methyl tert-butyl Ether
 Concen: 51.174 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

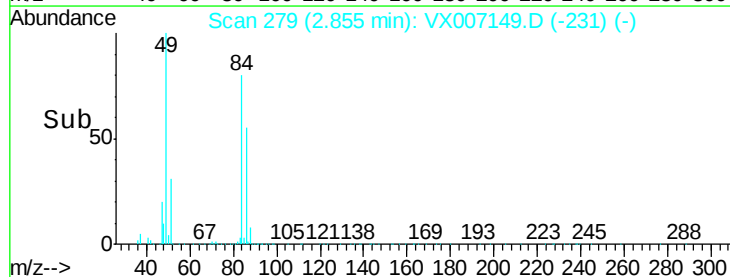
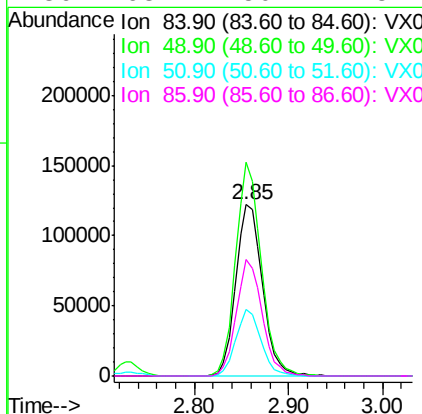
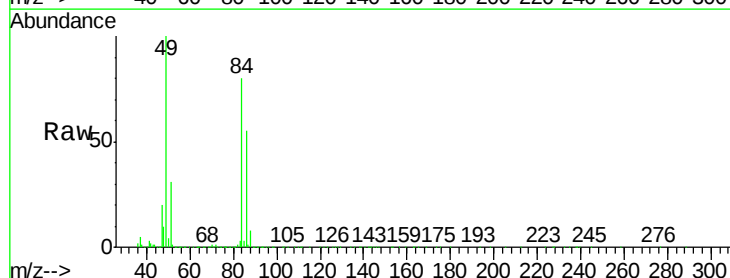
Tot Ion: 73 Resp: 742685
 Ion Ratio Lower Upper
 73 100
 57 22.0 16.8 25.2

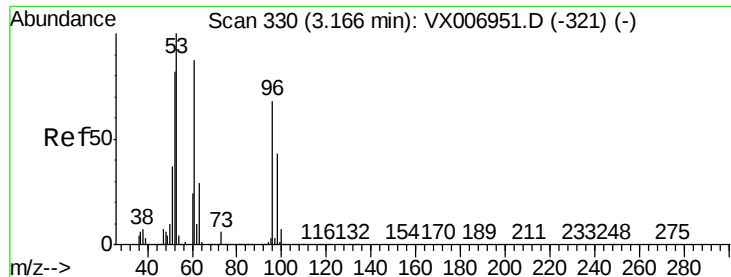


#20

Methylene Chloride
 Concen: 53.906 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion: 84 Resp: 240802
 Ion Ratio Lower Upper
 84 100
 49 124.4 91.8 137.6
 51 38.4 28.5 42.7
 86 68.1 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 48.509 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

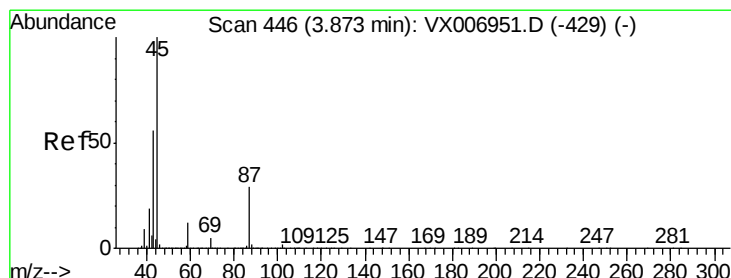
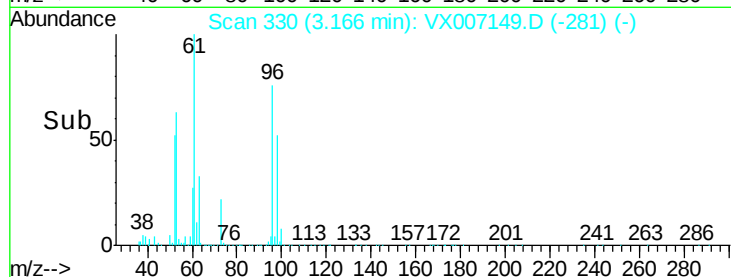
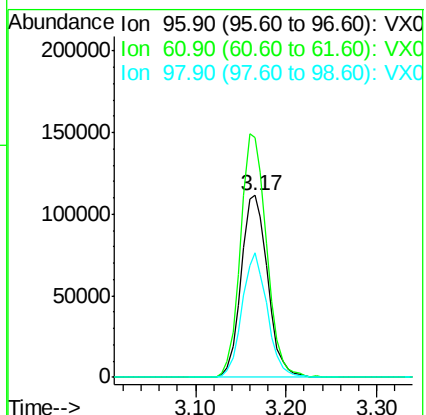
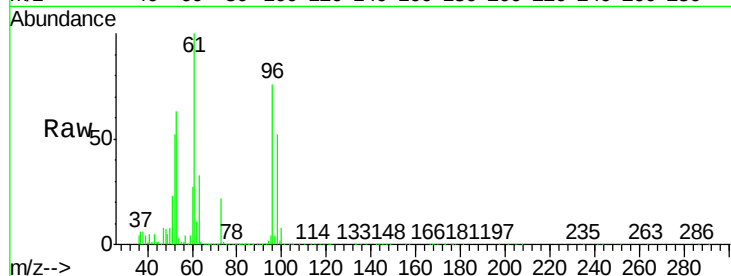
Tot Ion: 96 Resp: 226036

Ion Ratio Lower Upper

96 100

61 132.1 103.7 155.5

98 68.7 51.0 76.6



#22

Diisopropyl ether

Concen: 53.034 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion: 45 Resp: 714466

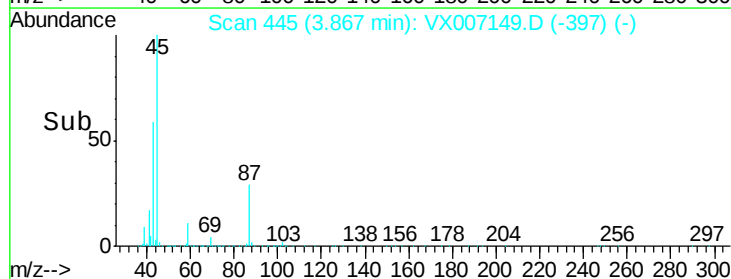
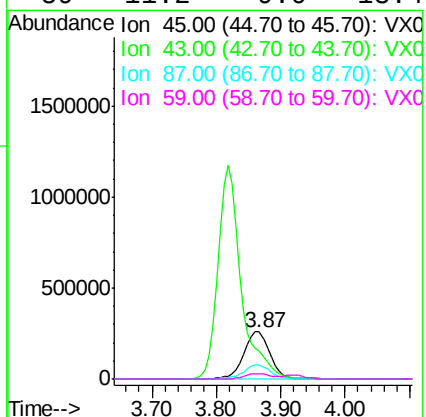
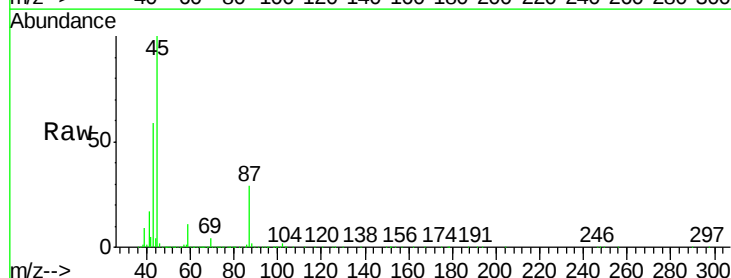
Ion Ratio Lower Upper

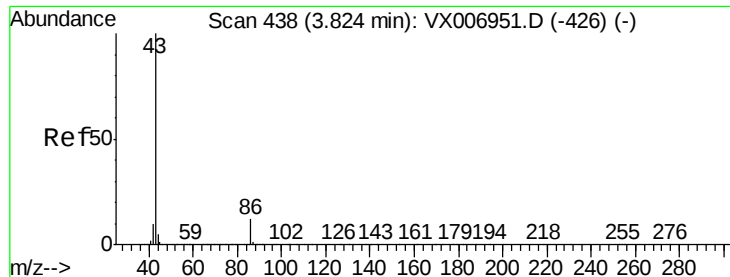
45 100

43 58.6 51.2 76.8

87 29.1 25.8 38.6

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 262.956 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

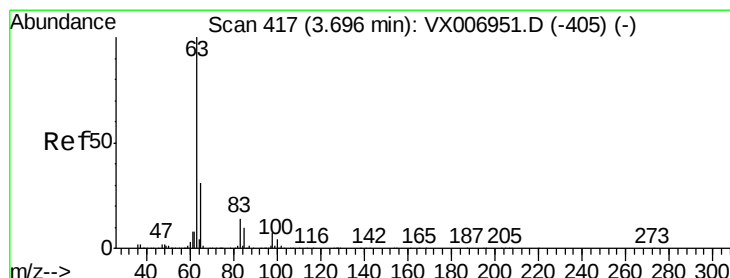
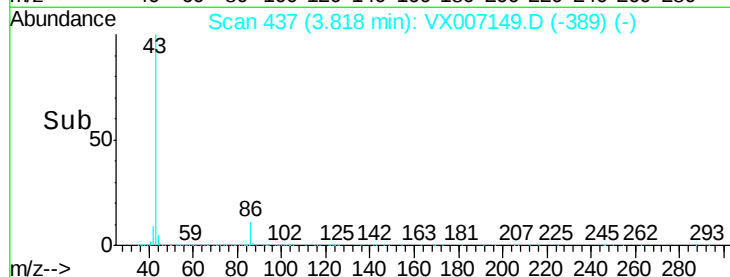
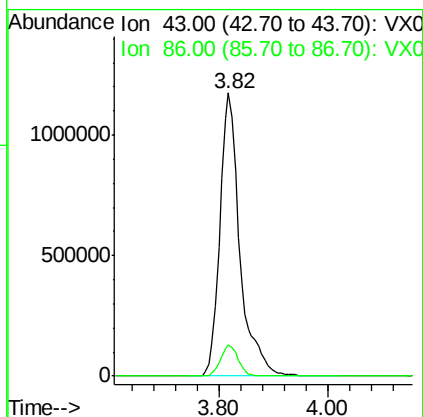
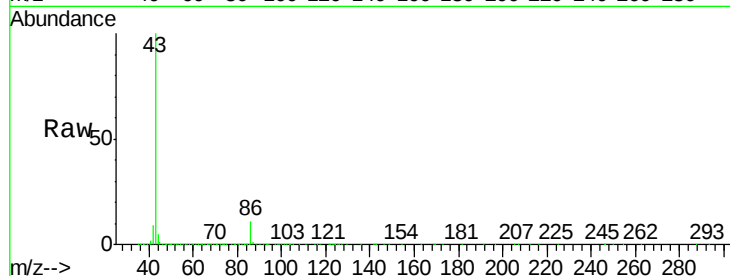
VSTDCCC050

Tot Ion: 43 Resp: 2987496

Ion Ratio Lower Upper

43 100

86 11.1 9.2 13.8



#24

1,1-Dichloroethane

Concen: 54.322 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

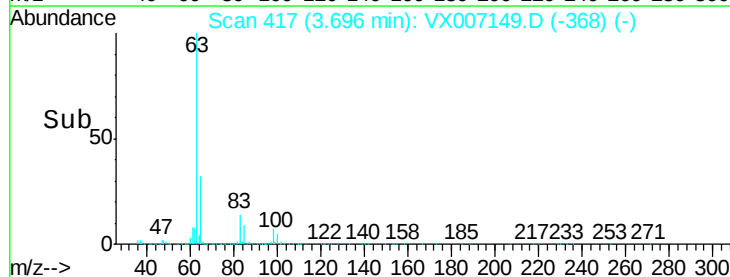
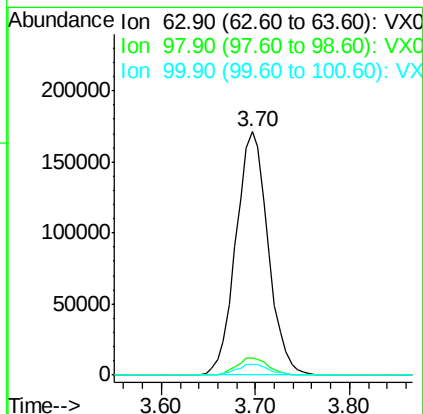
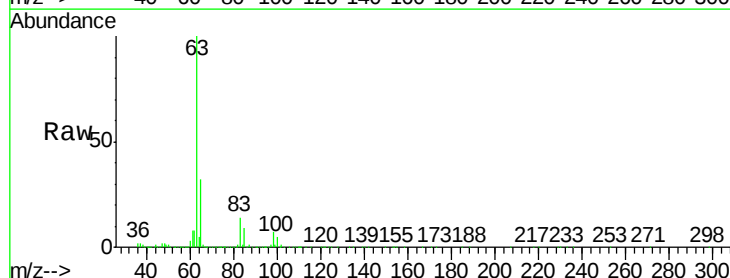
Tgt Ion: 63 Resp: 409210

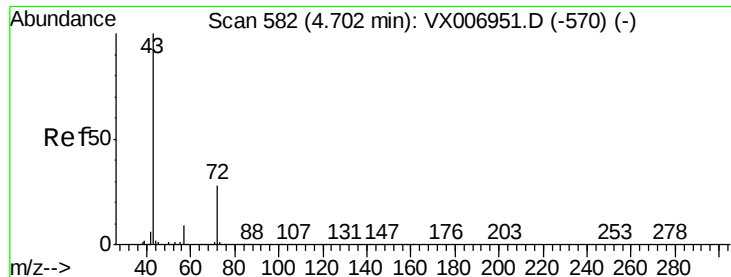
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 252.856 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

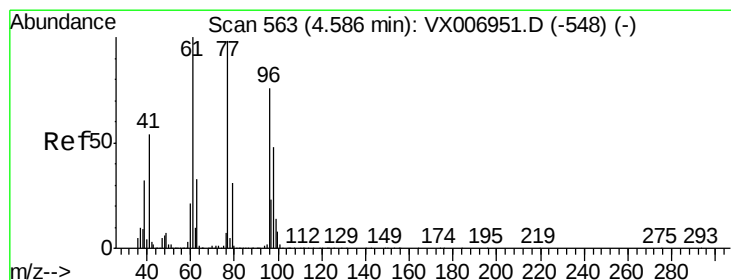
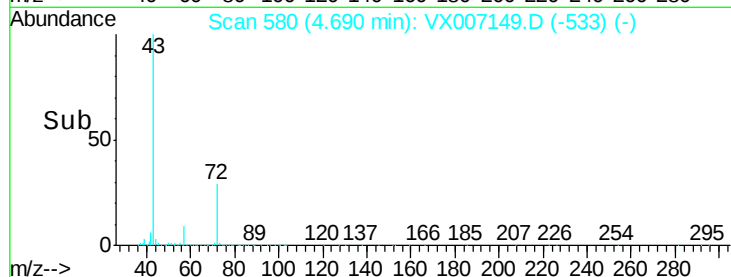
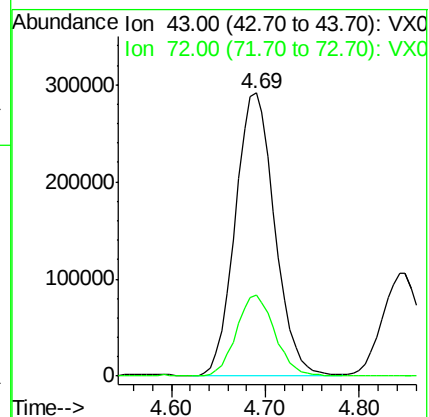
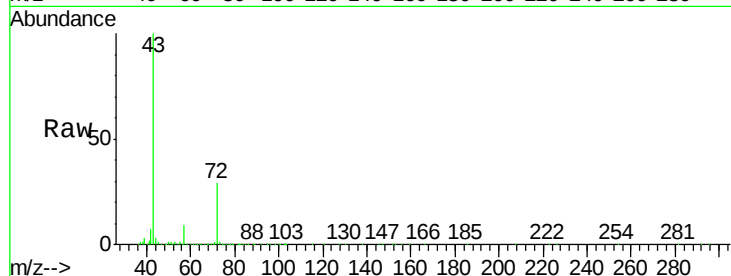
VSTDCCC050

Tot Ion: 43 Resp: 850418

Ion Ratio Lower Upper

43 100

72 28.6 22.4 33.6



#26

2,2-Dichloropropane

Concen: 56.093 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007149.D

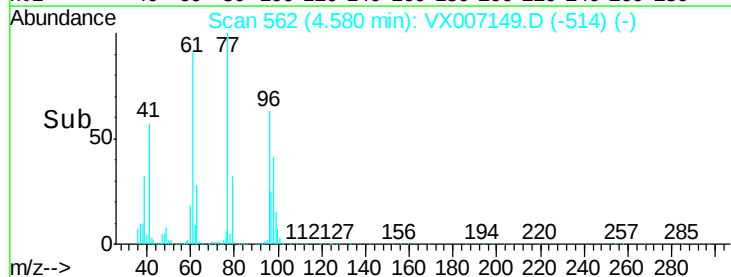
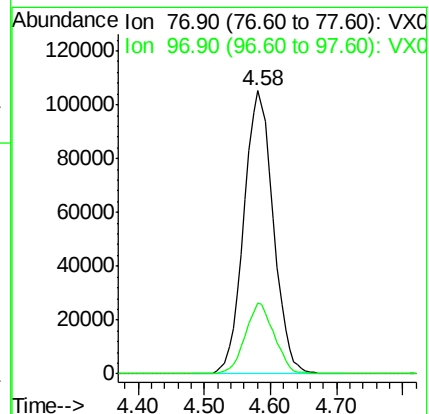
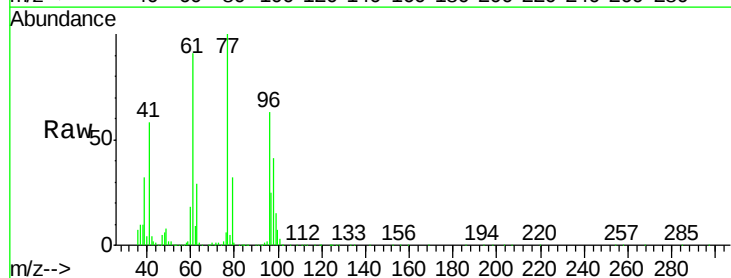
Acq: 21 Jan 2019 10:34

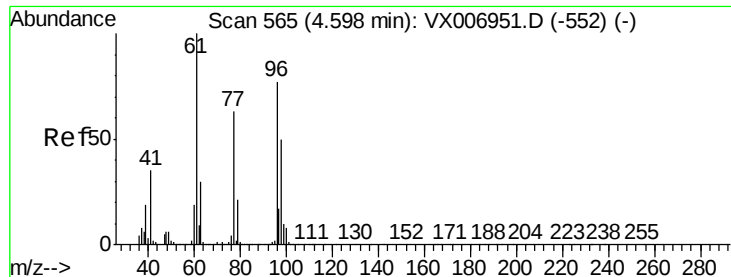
Tgt Ion: 77 Resp: 324928

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4



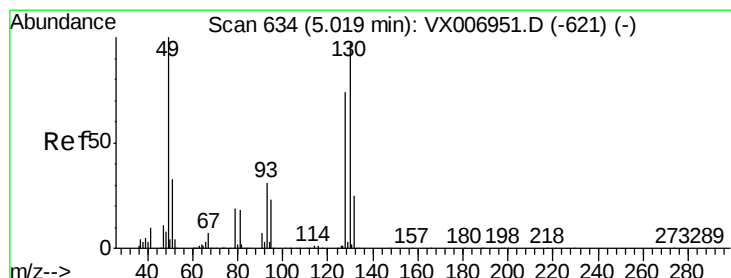
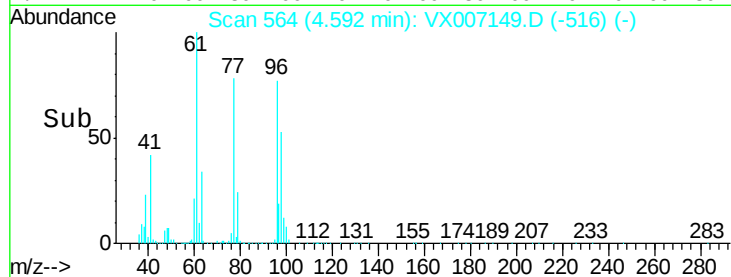
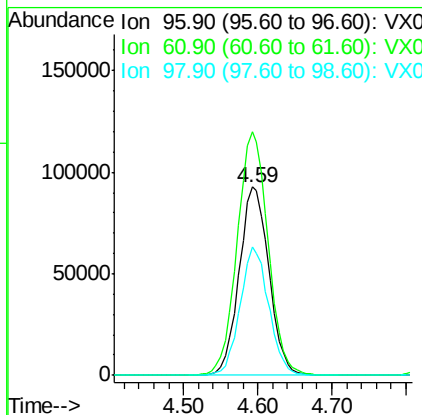
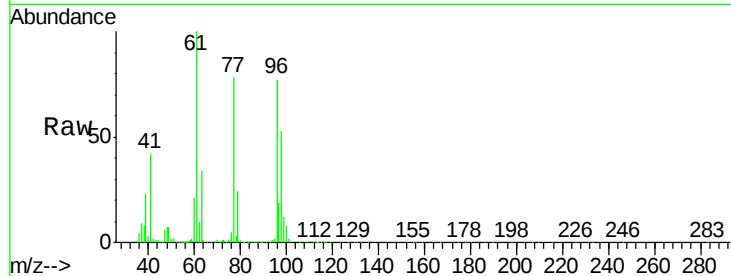


#27

cis-1,2-Dichloroethene
 Concen: 50.968 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

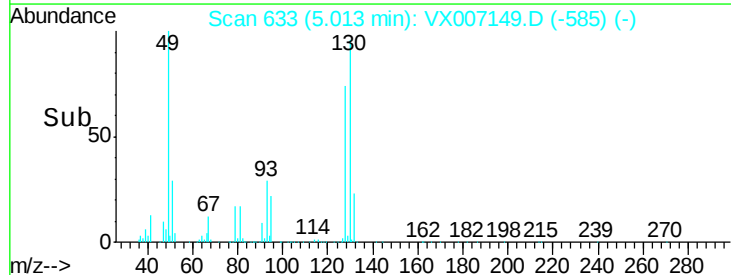
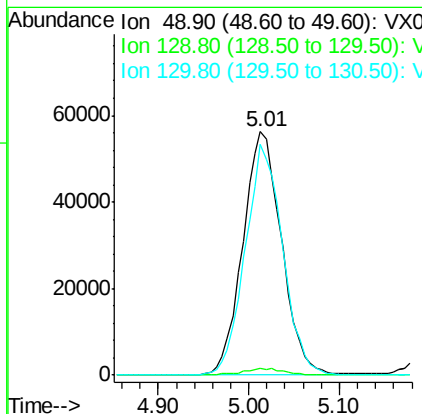
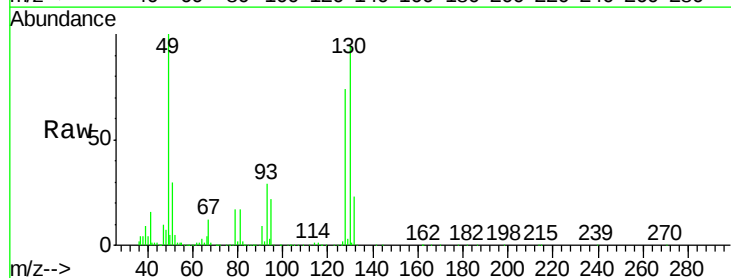
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	258.6
98	65.4	0.0	132.0



#28

Bromochloromethane
 Concen: 50.383 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.4
130	91.9	77.7	116.5





#29

Tetrahydrofuran

Concen: 233.180 ug/l

RT: 5.14 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

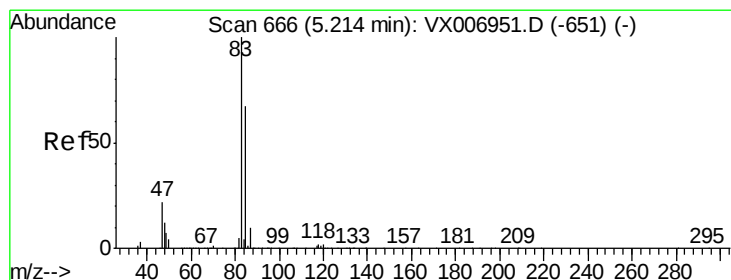
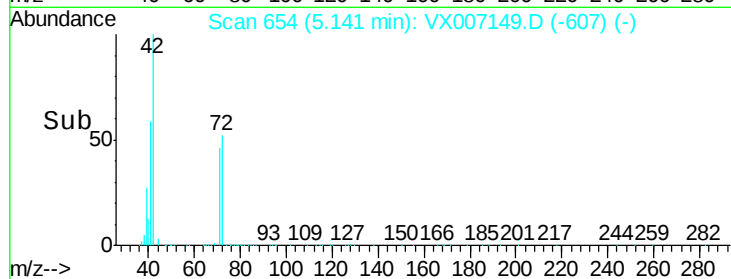
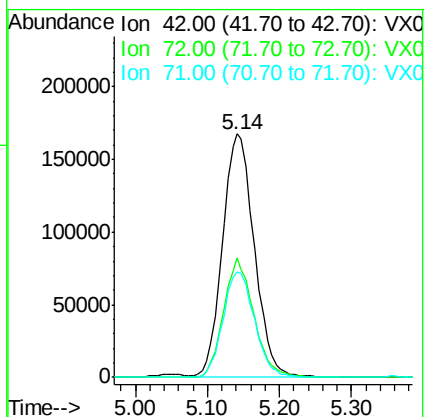
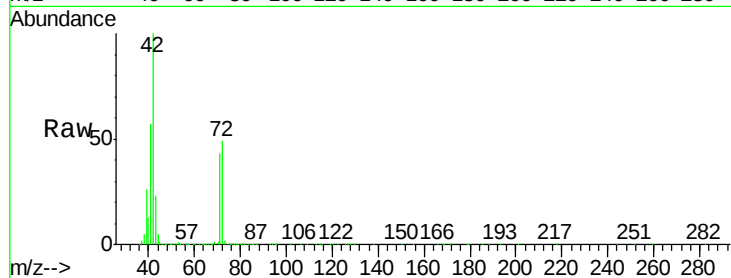
Tot Ion: 42 Resp: 509661

Ion Ratio Lower Upper

42 100

72 47.0 38.9 58.3

71 43.3 36.2 54.4



#30

Chloroform

Concen: 53.957 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX007149.D

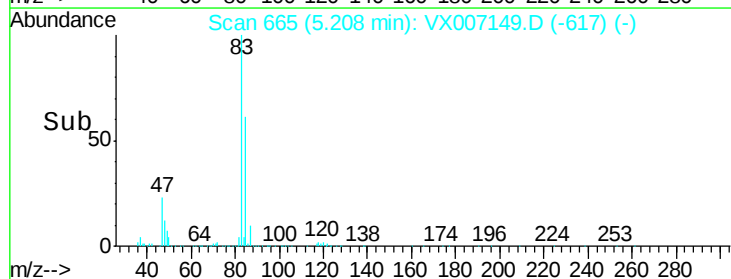
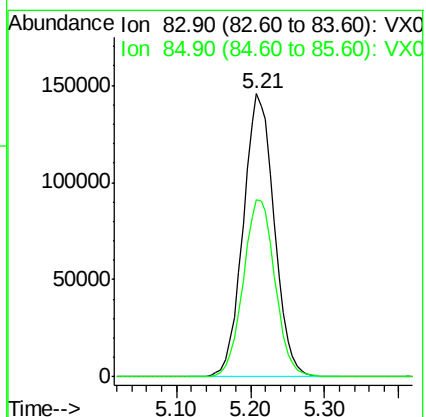
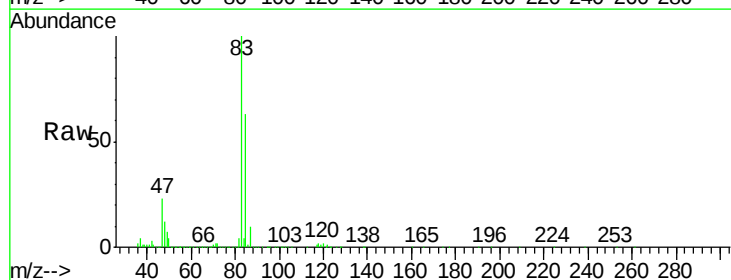
Acq: 21 Jan 2019 10:34

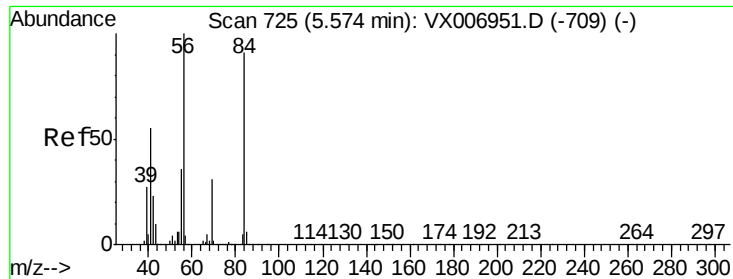
Tgt Ion: 83 Resp: 425560

Ion Ratio Lower Upper

83 100

85 62.4 51.2 76.8

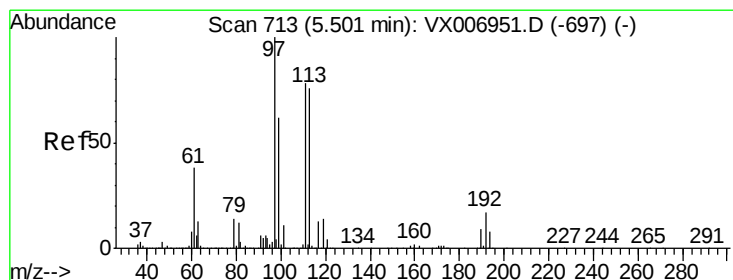
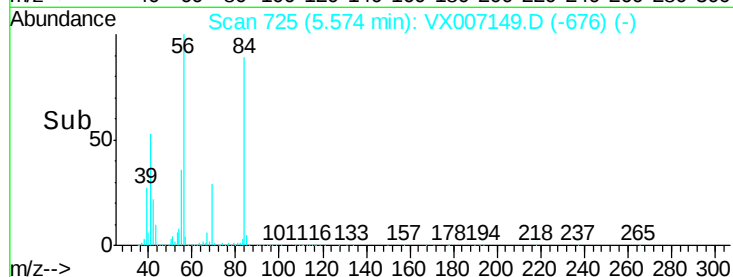
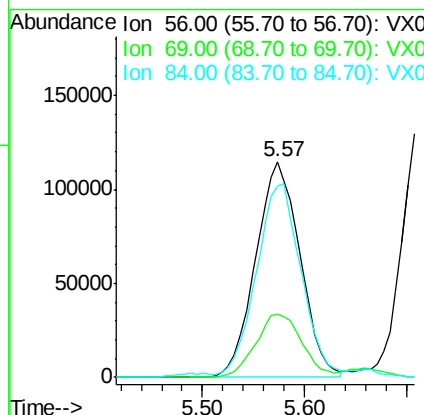
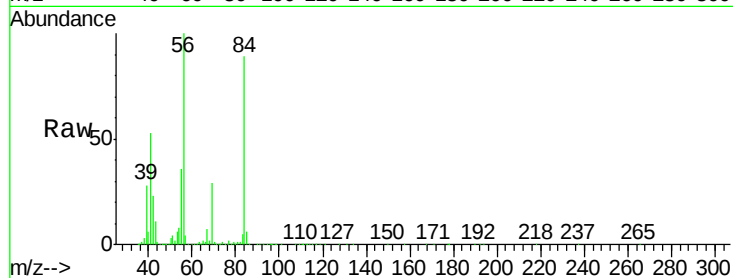




#31
Cyclohexane
Concen: 51.603 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

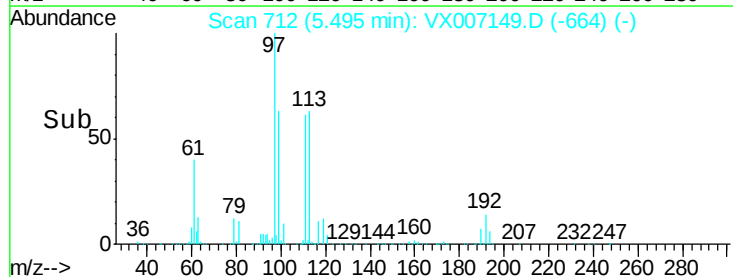
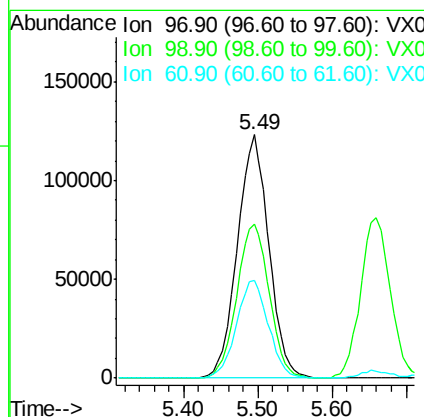
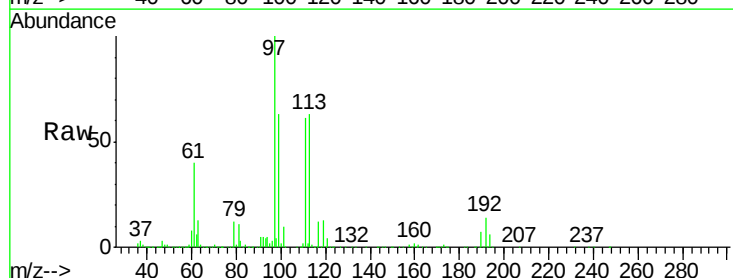
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

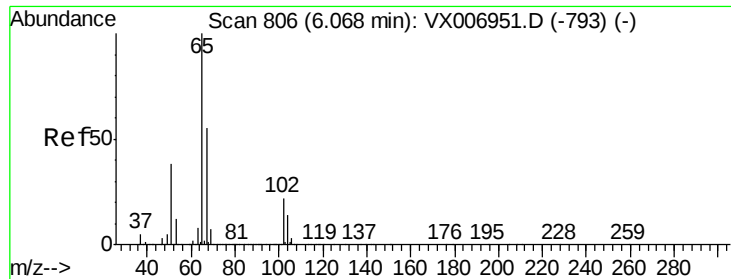
Tot Ion: 56 Resp: 345986
Ion Ratio Lower Upper
56 100
69 29.5 24.4 36.6
84 86.8 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 54.551 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 97 Resp: 364682
Ion Ratio Lower Upper
97 100
99 65.4 51.7 77.5
61 41.0 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 50.317 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

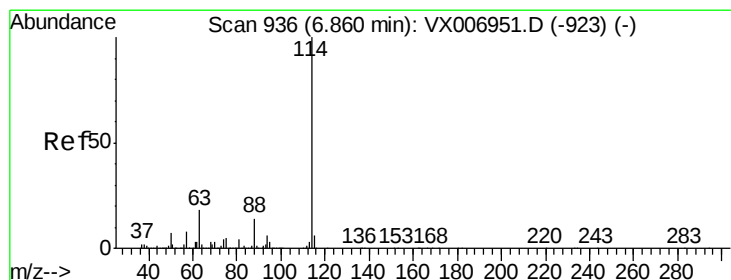
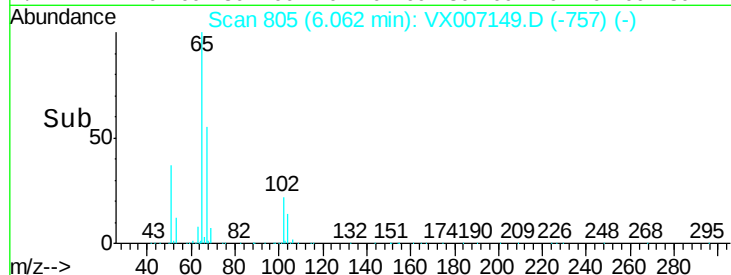
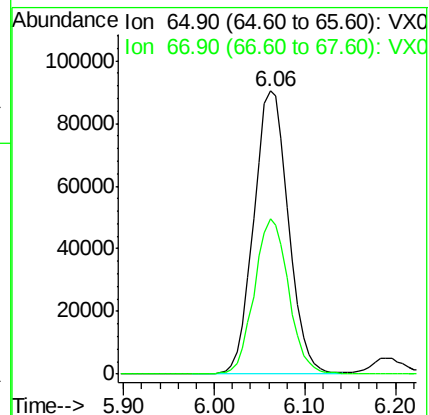
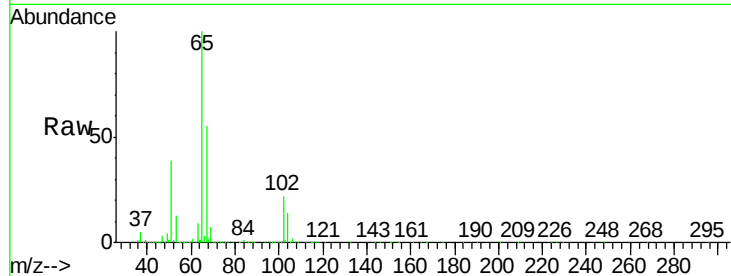
VSTDCCC050

Tot Ion: 65 Resp: 239235

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

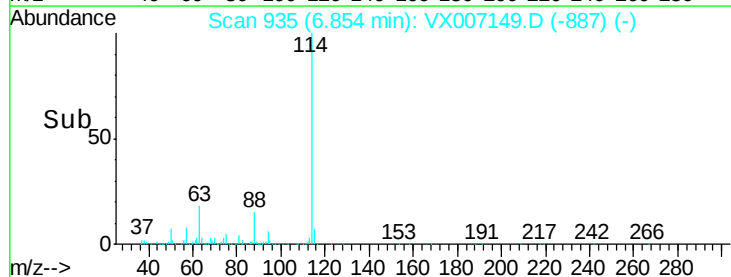
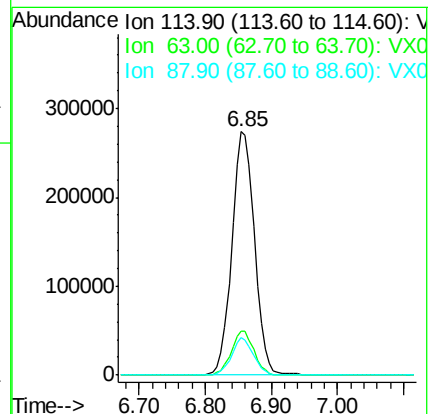
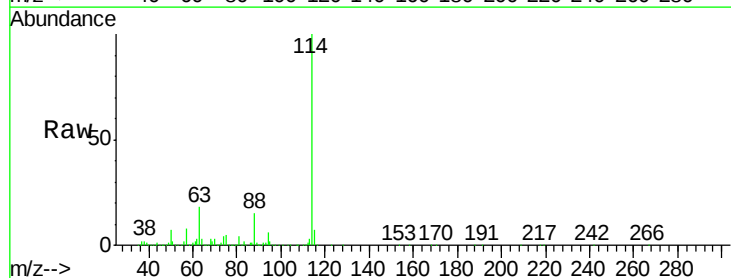
Tgt Ion: 114 Resp: 651019

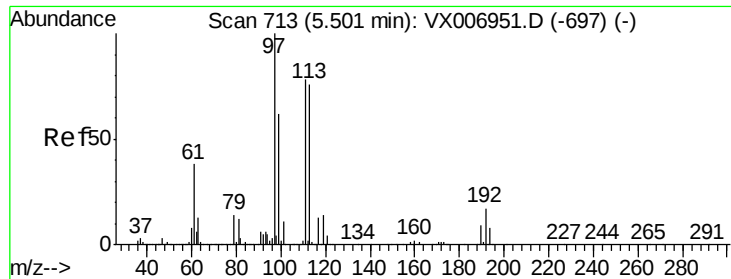
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 15.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 52.962 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

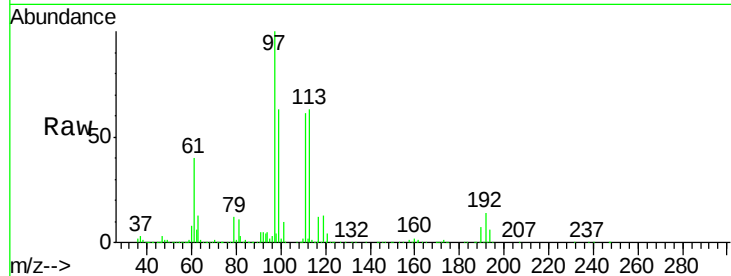
Tot Ion:113 Resp: 220805

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

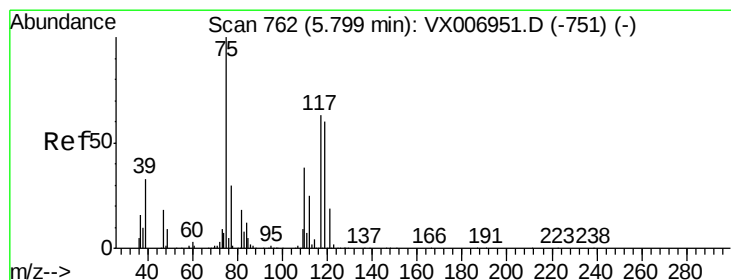
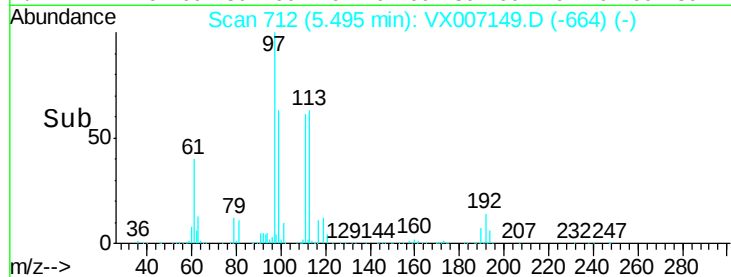
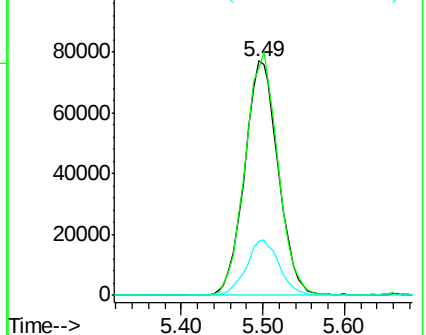
192 23.1 16.7 25.1



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: 53.899 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

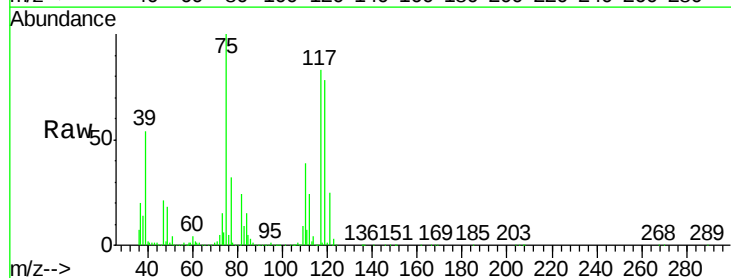
Tgt Ion: 75 Resp: 305074

Ion Ratio Lower Upper

75 100

110 39.7 20.2 60.5

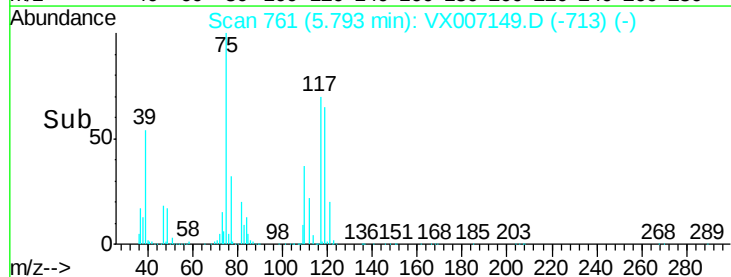
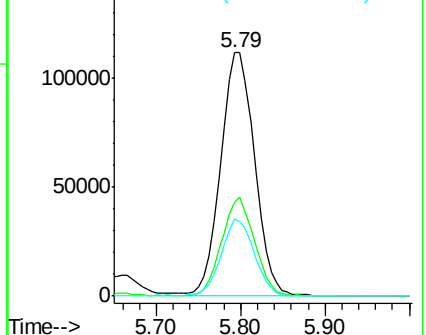
77 30.3 24.8 37.2

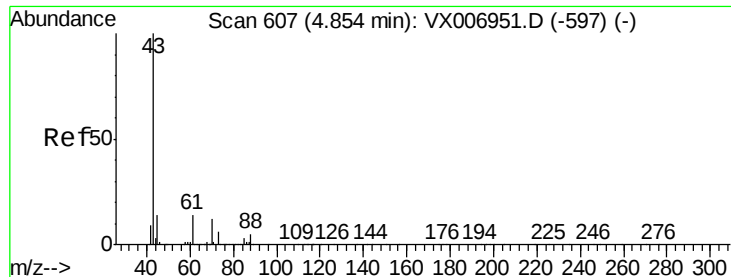


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

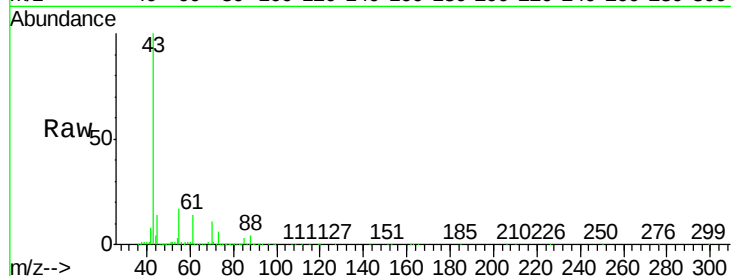




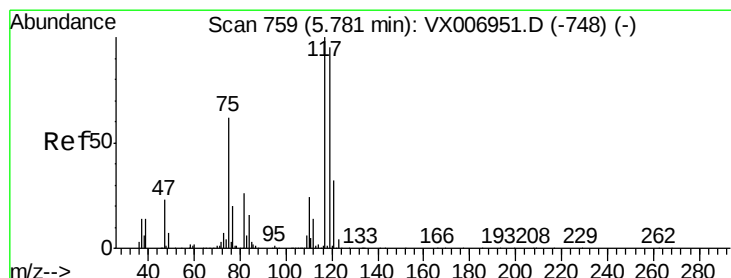
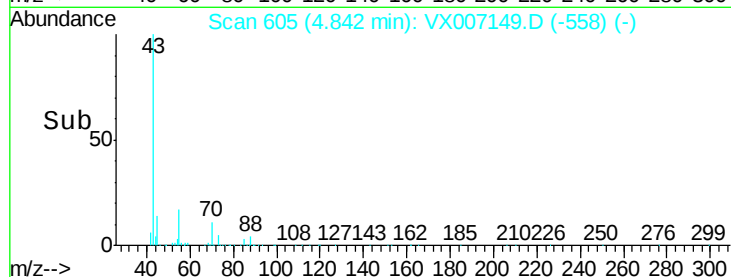
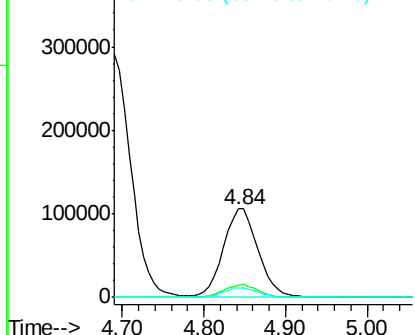
#37
Ethyl Acetate
Concen: 51.045 ug/l
RT: 4.84 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.9	17.9
70	11.0	9.7	14.5

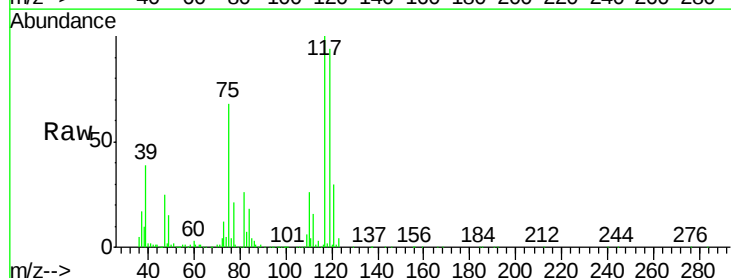


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

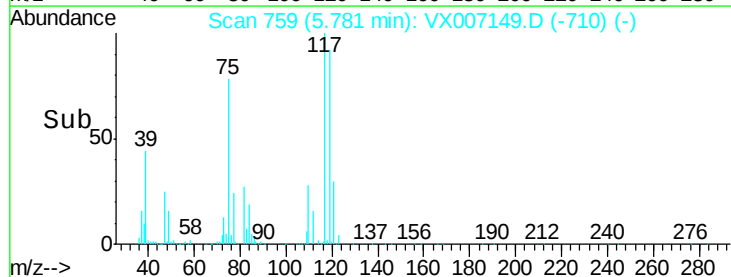
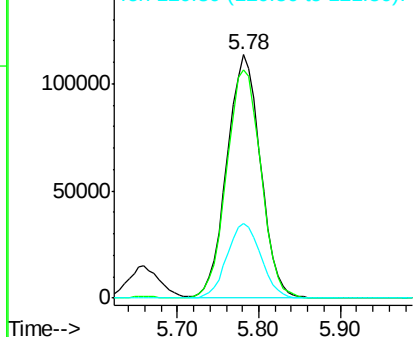


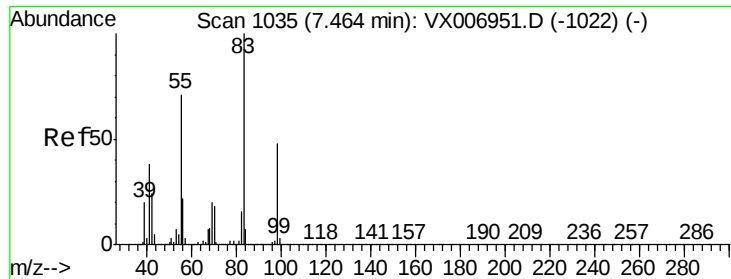
#38
Carbon Tetrachloride
Concen: 56.590 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	79.4	119.2
121	30.4	24.0	36.0



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

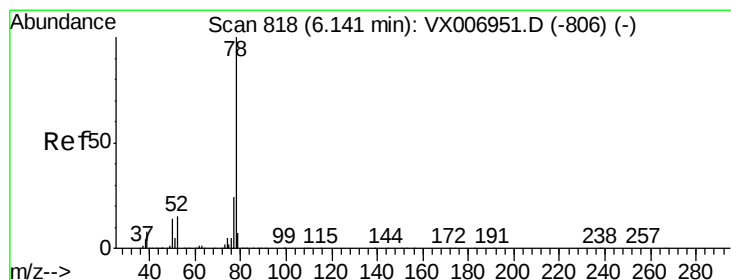
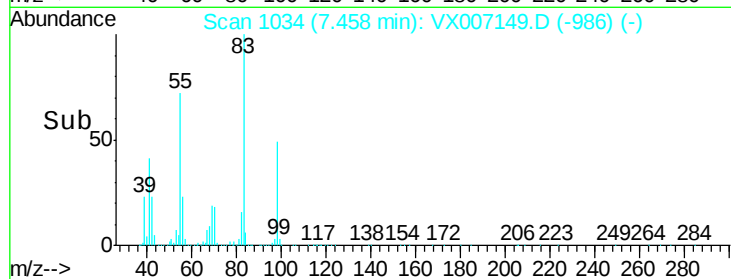
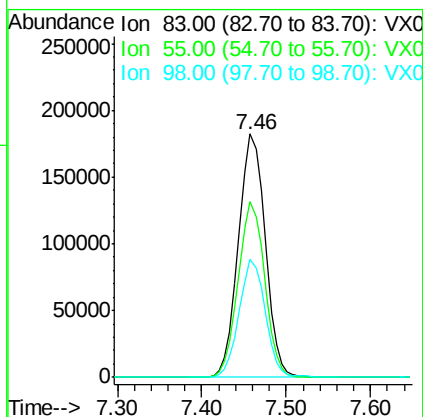
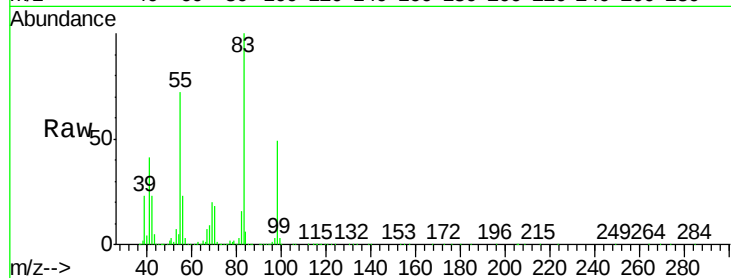




#39
Methvlcvclohexane
Concen: 54.277 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

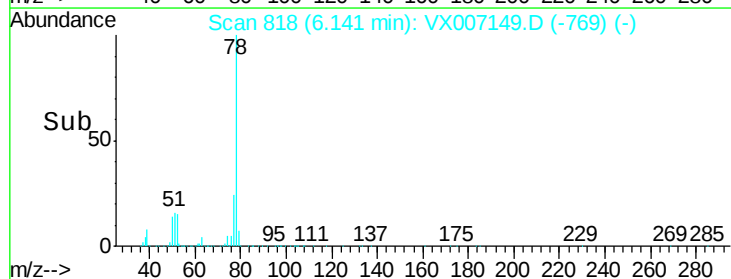
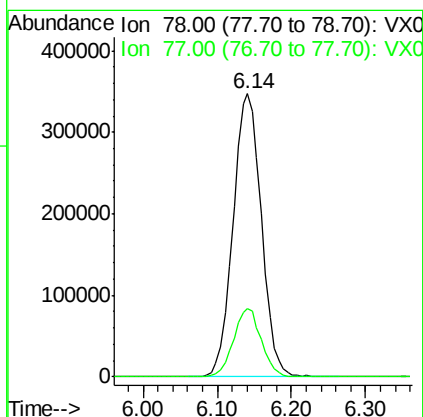
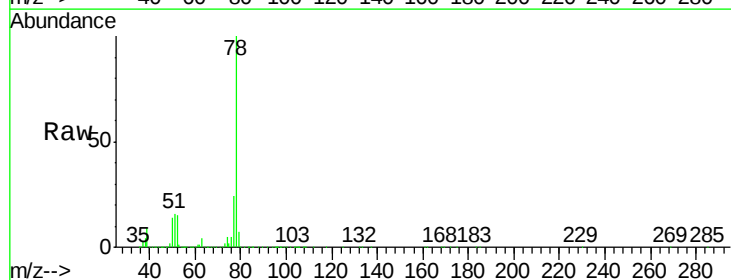
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

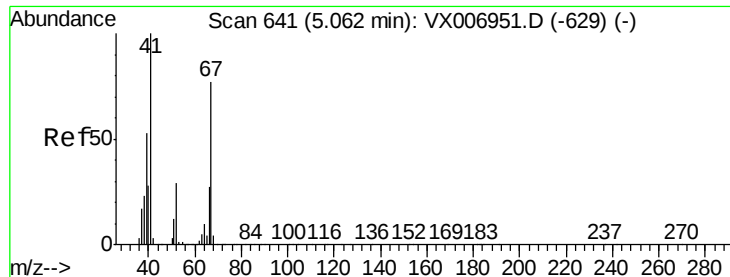
Tot Ion	83	Resp	391647
Ion Ratio	Lower	Upper	
83	100		
55	72.3	54.9	82.3
98	48.8	37.9	56.9



#40
Benzene
Concen: 53.492 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	78	Resp	923832
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.2	28.8





#41

Methacrylonitrile

Concen: 49.979 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 174714

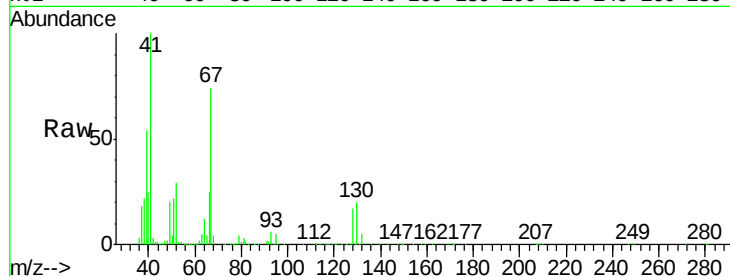
Ion Ratio Lower Upper

41 100

39 56.0 42.8 64.2

67 76.6 62.1 93.1

52 30.6 23.4 35.0

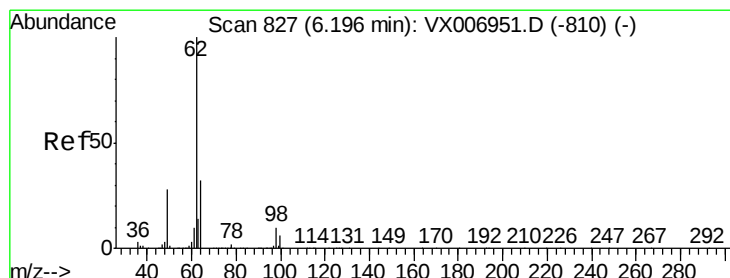
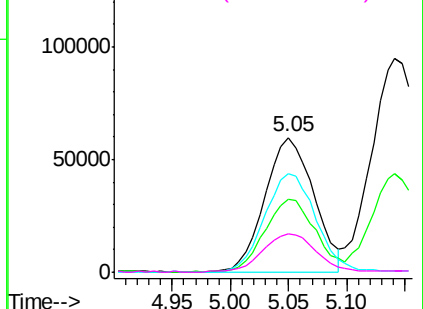
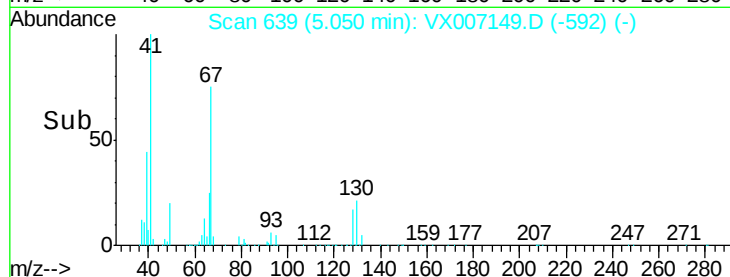


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 53.088 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007149.D

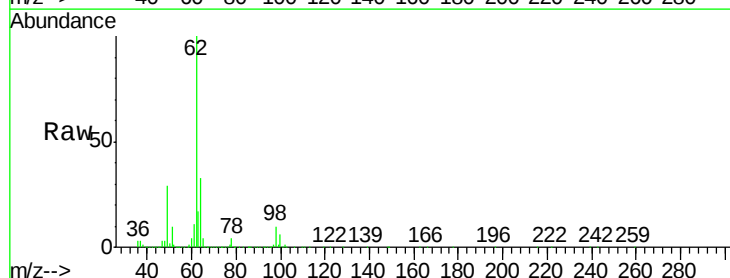
Acq: 21 Jan 2019 10:34

Tgt Ion: 62 Resp: 316830

Ion Ratio Lower Upper

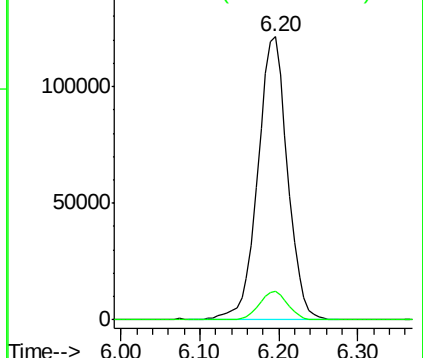
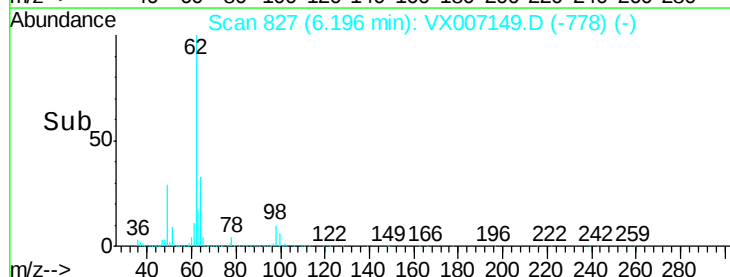
62 100

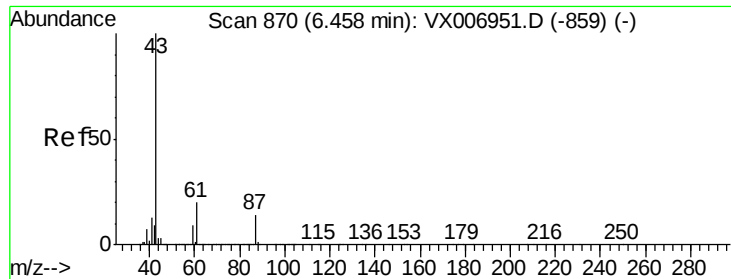
98 9.8 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 53.413 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

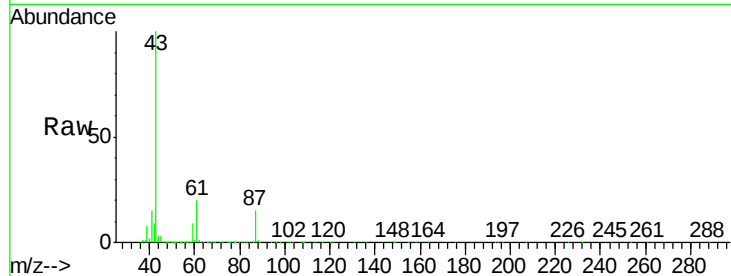
Tot Ion: 43 Resp: 511249

Ion Ratio Lower Upper

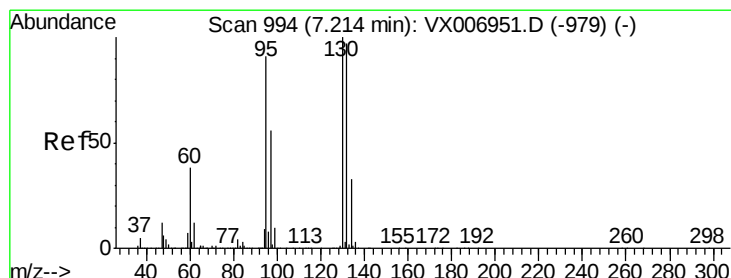
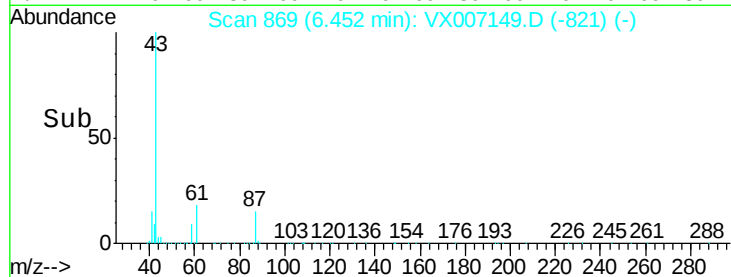
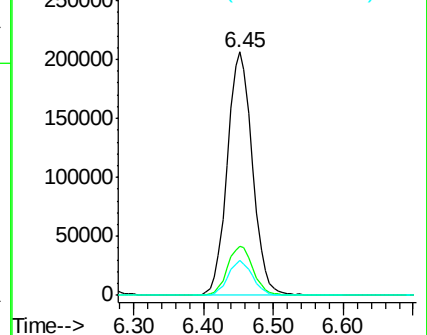
43 100

61 20.7 16.8 25.2

87 14.1 12.4 18.6



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: 53.425 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX007149.D

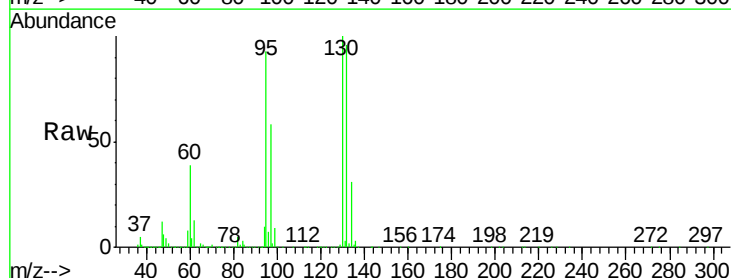
Acq: 21 Jan 2019 10:34

Tgt Ion:130 Resp: 276493

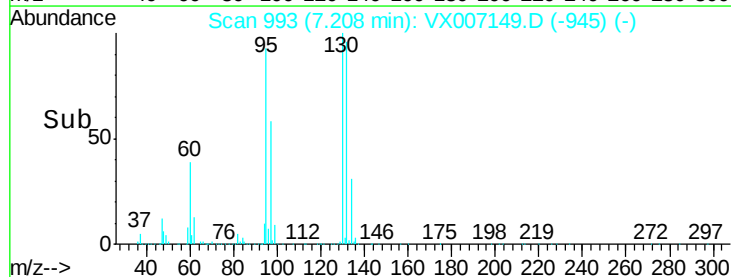
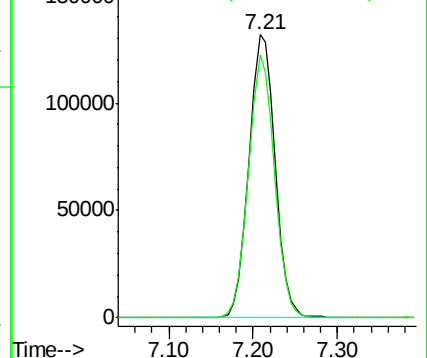
Ion Ratio Lower Upper

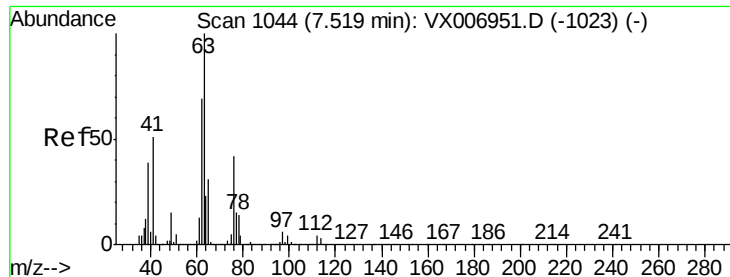
130 100

95 93.0 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 54.590 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

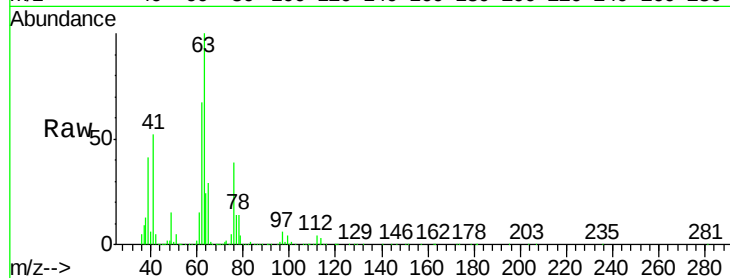
VSTDCCC050

Tot Ion: 63 Resp: 237023

Ion Ratio Lower Upper

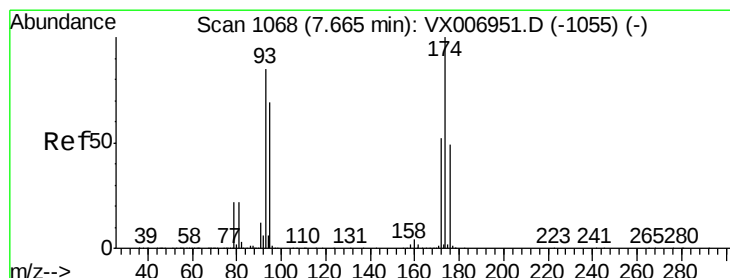
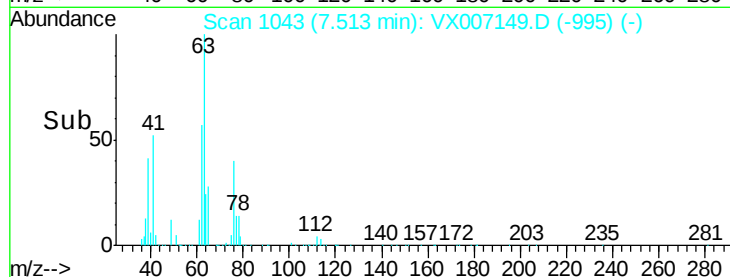
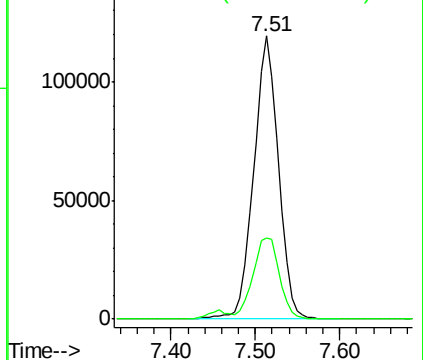
63 100

65 28.6 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 55.006 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

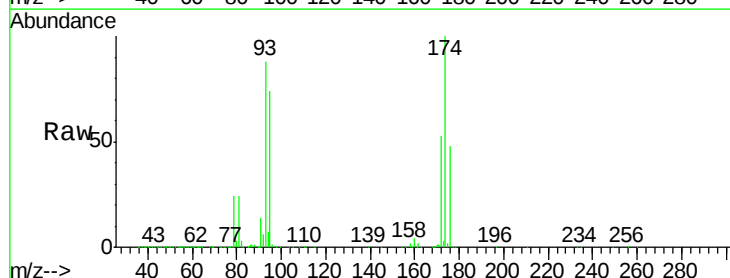
Tgt Ion: 93 Resp: 167851

Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.4

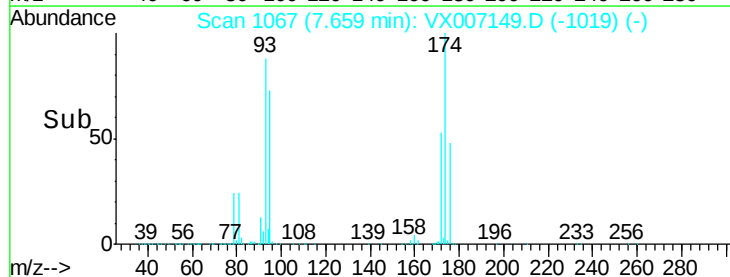
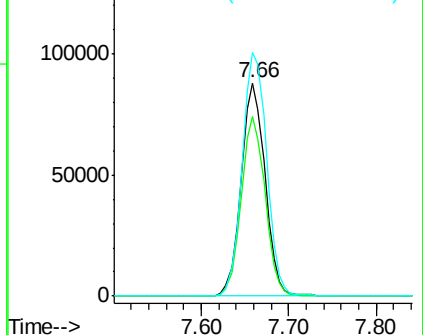
174 116.4 91.0 136.4

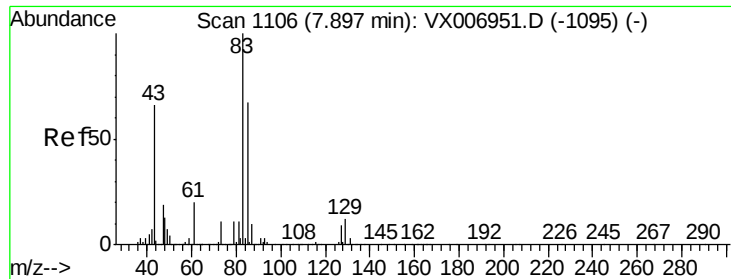


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 59.190 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

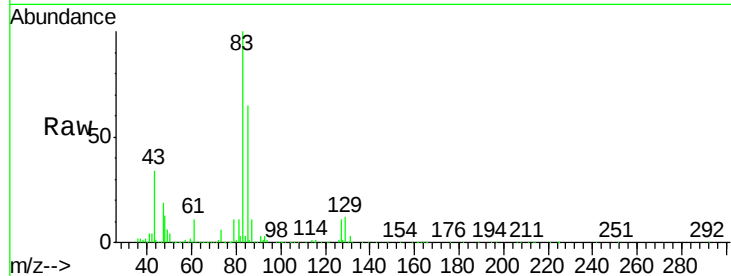
Tot Ion: 83 Resp: 307441

Ion Ratio Lower Upper

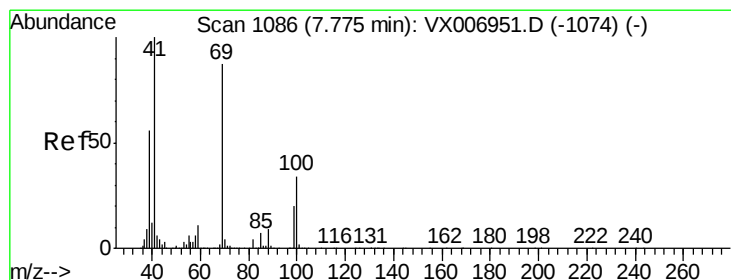
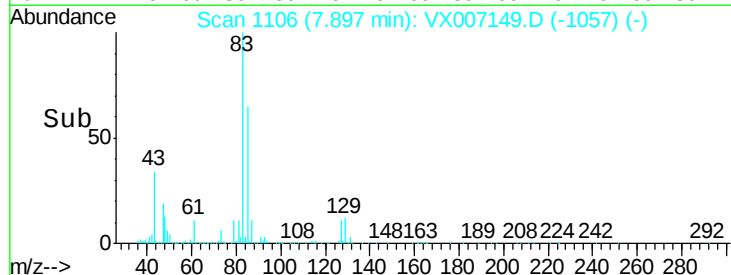
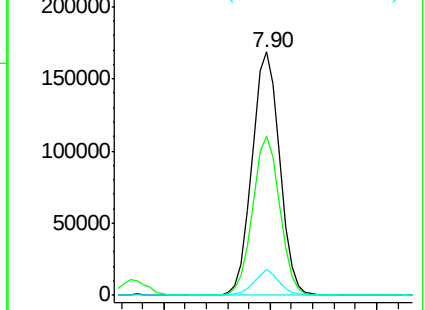
83 100

85 65.3 53.2 79.8

127 10.6 7.8 11.6



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: 53.987 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

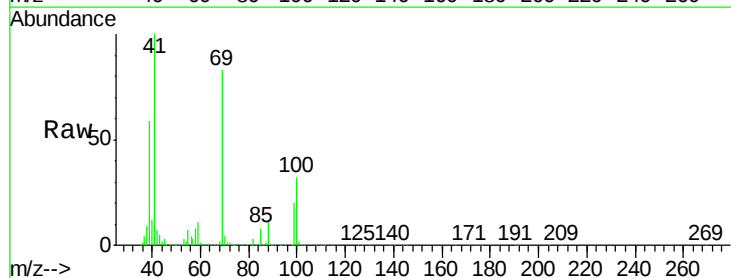
Tgt Ion: 41 Resp: 265369

Ion Ratio Lower Upper

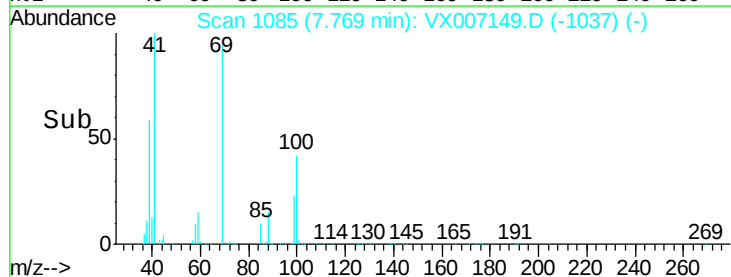
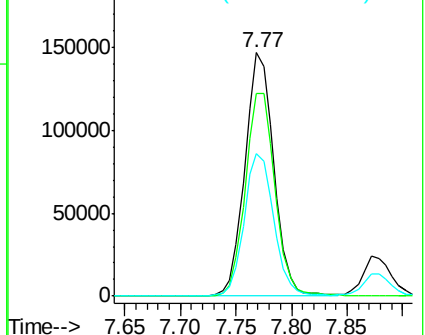
41 100

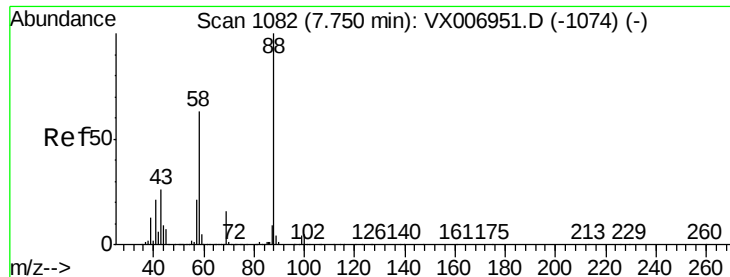
69 86.2 72.4 108.6

39 59.7 45.8 68.8



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

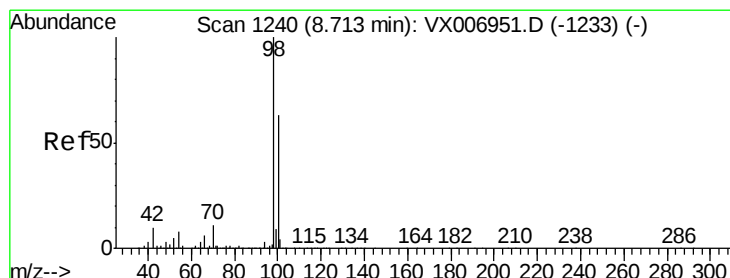
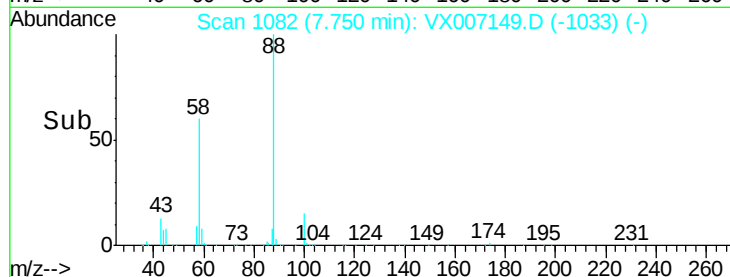
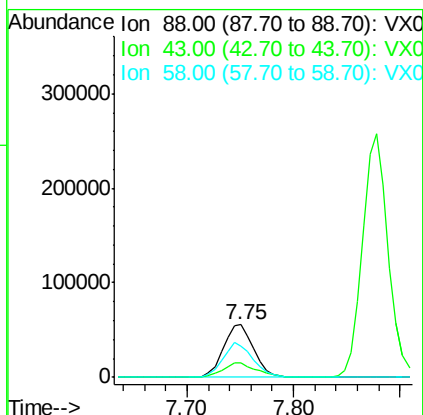
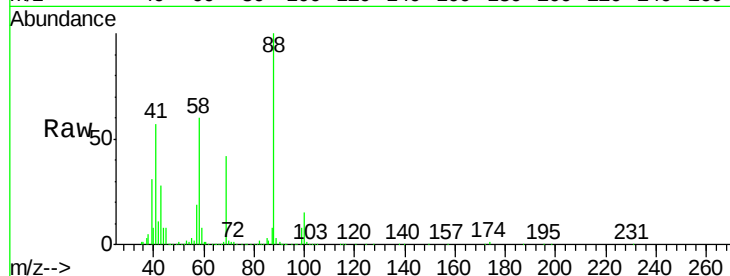




#49
1,4-Dioxane
Concen: 984.783 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

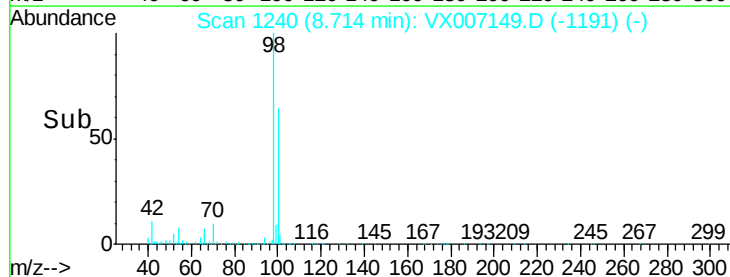
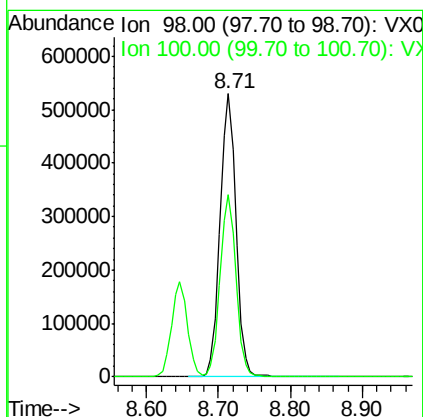
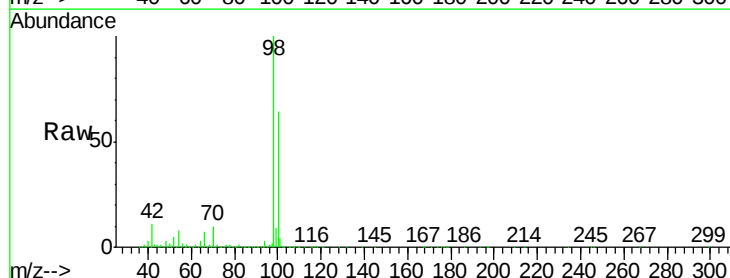
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

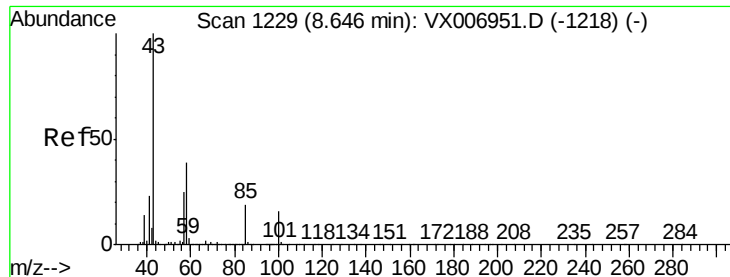
Tot Ion: 88 Resp: 110559
Ion Ratio Lower Upper
88 100
43 30.9 22.2 33.4
58 65.2 51.0 76.4



#50
Toluene-d8
Concen: 53.371 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 98 Resp: 814454
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 276.756 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

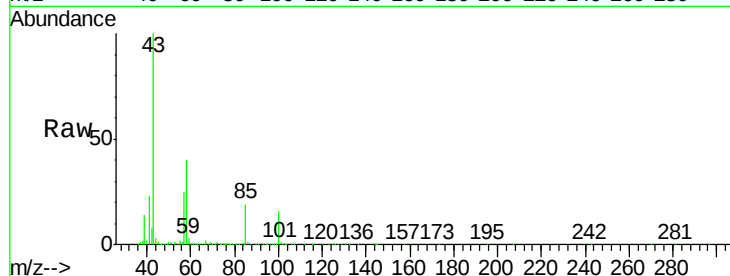
VSTDCCC050

Tot Ion: 43 Resp: 1702409

Ion Ratio Lower Upper

43 100

58 38.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200000

1000000

800000

600000

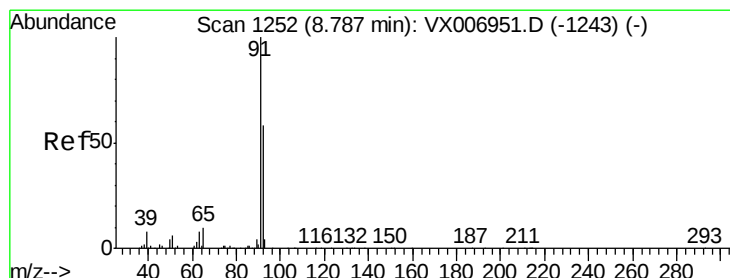
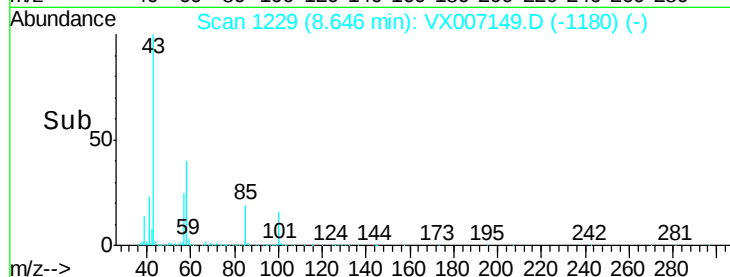
400000

200000

0

8.60 8.65 8.70 8.80

Time-->



#52

Toluene

Concen: 54.904 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007149.D

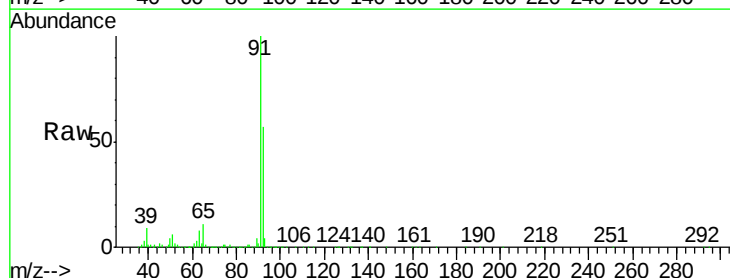
Acq: 21 Jan 2019 10:34

Tgt Ion: 92 Resp: 609455

Ion Ratio Lower Upper

92 100

91 174.2 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

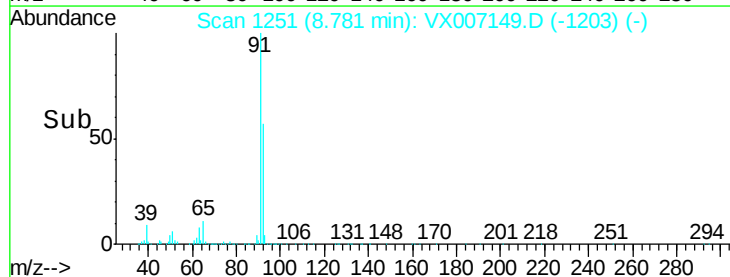
400000

200000

0

8.70 8.75 8.80 8.85 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 59.866 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

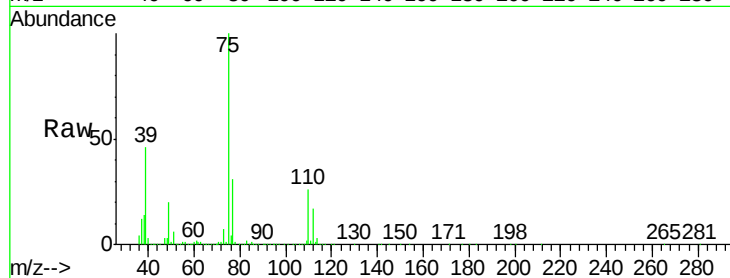
VSTDCCC050

Tot Ion: 75 Resp: 344804

Ion Ratio Lower Upper

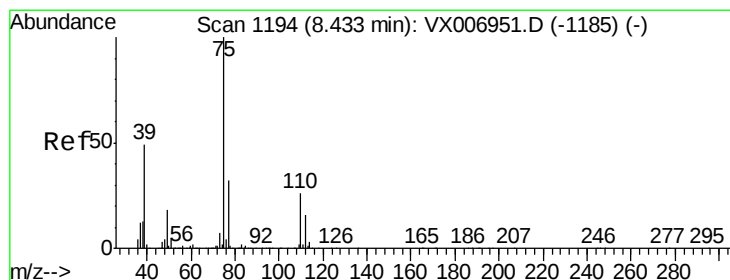
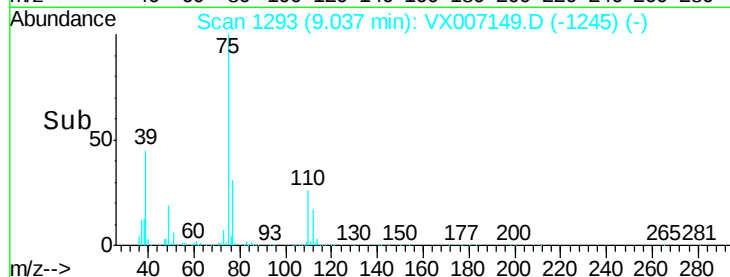
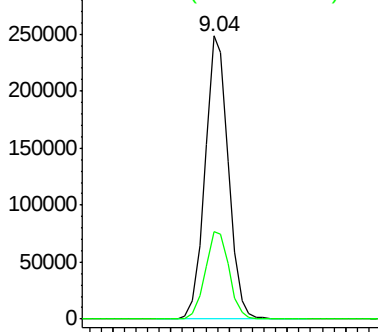
75 100

77 30.8 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 58.471 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

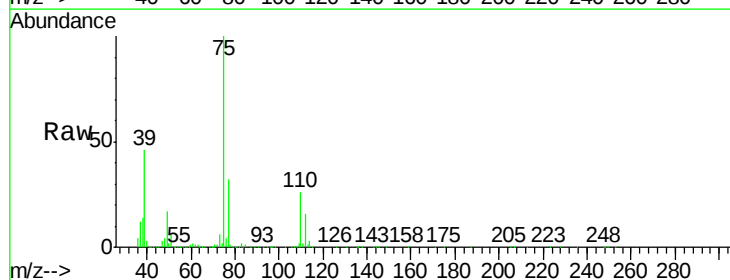
Tgt Ion: 75 Resp: 371903

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

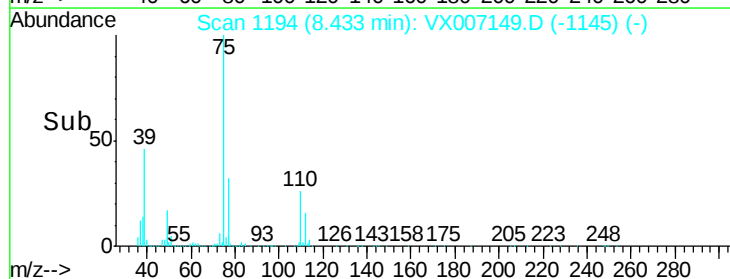
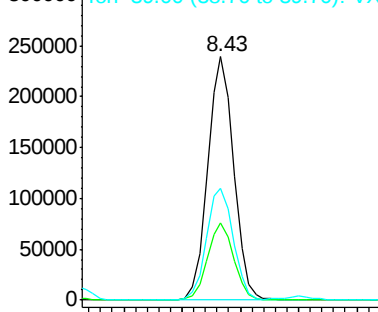
39 45.9 36.7 55.1

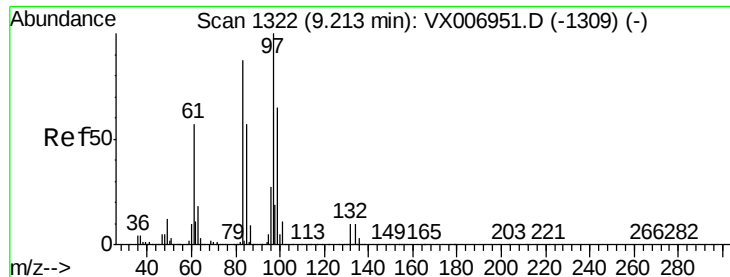


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 57.405 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 255057

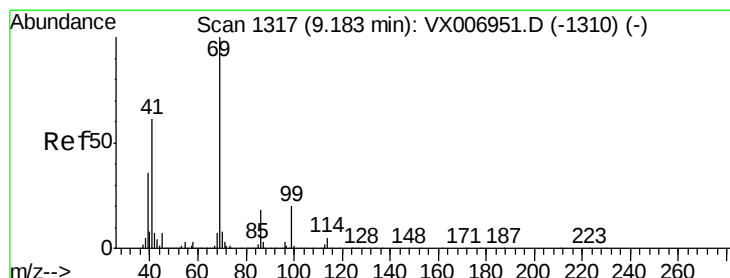
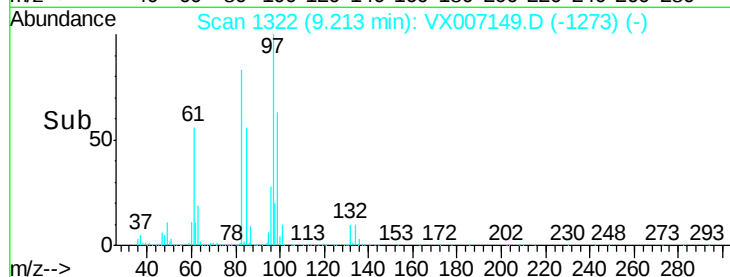
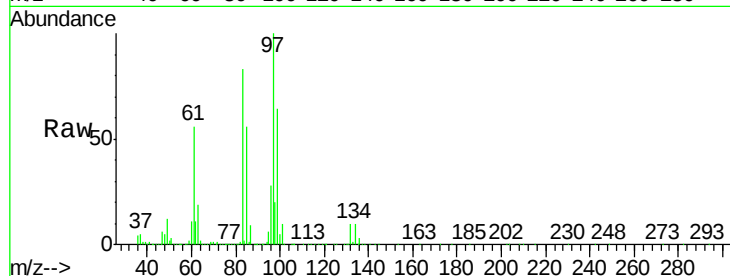
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.6	99.8
85	55.6	42.7	64.1
99	63.5	50.8	76.2

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: 57.851 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

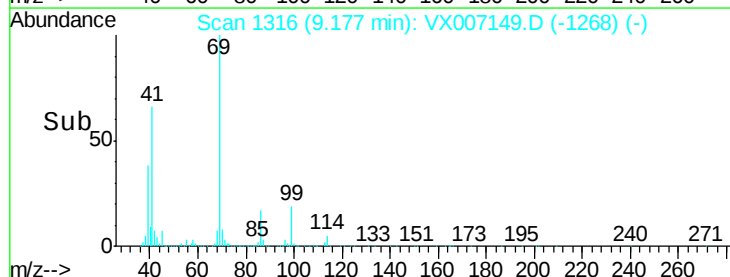
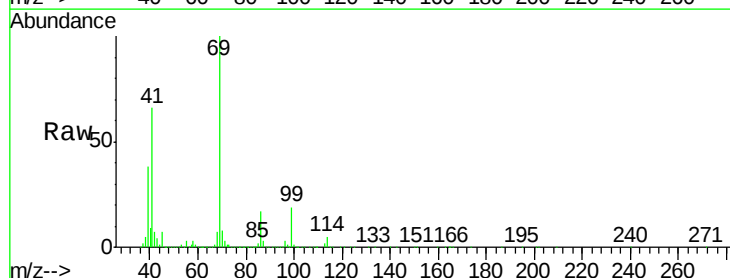
Tgt Ion: 69 Resp: 375241

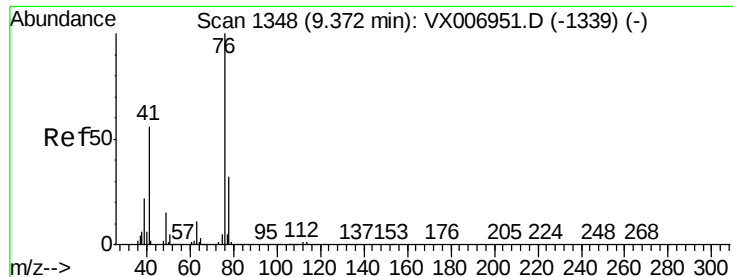
Ion	Ratio	Lower	Upper
69	100		
41	64.5	48.7	73.1
39	37.3	27.0	40.6

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: 56.263 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

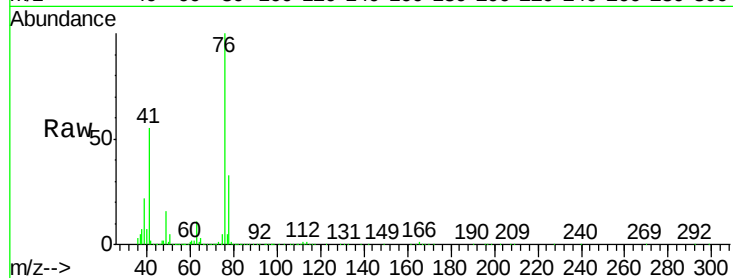
VSTDCCC050

Tot Ion: 76 Resp: 409535

Ion Ratio Lower Upper

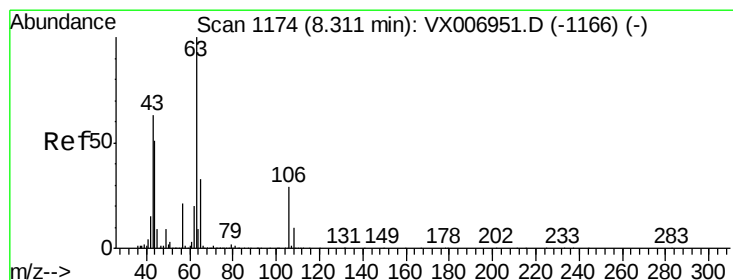
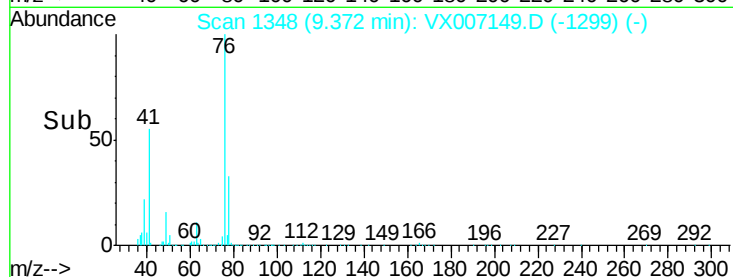
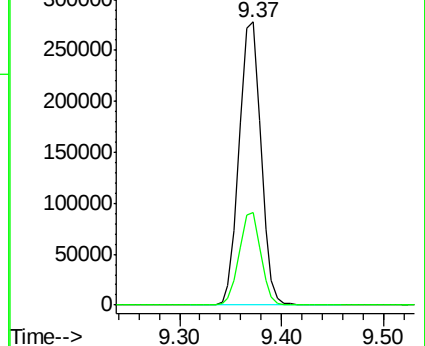
76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 304.007 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007149.D

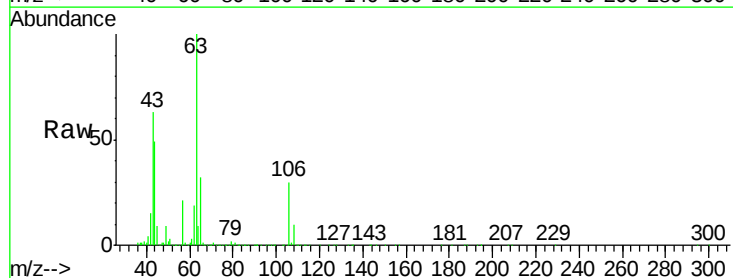
Acq: 21 Jan 2019 10:34

Tgt Ion: 63 Resp: 1013860

Ion Ratio Lower Upper

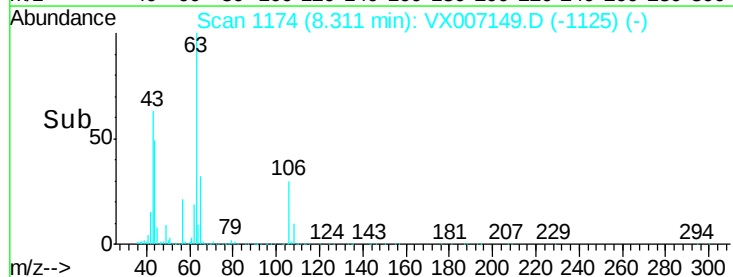
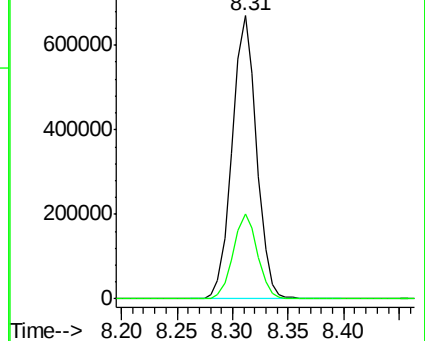
63 100

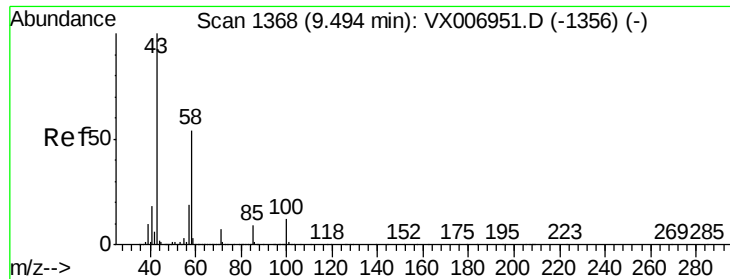
106 30.1 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

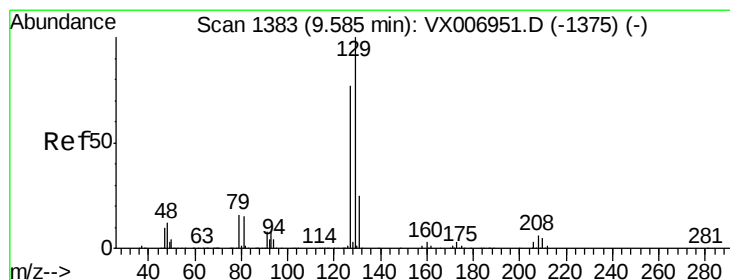
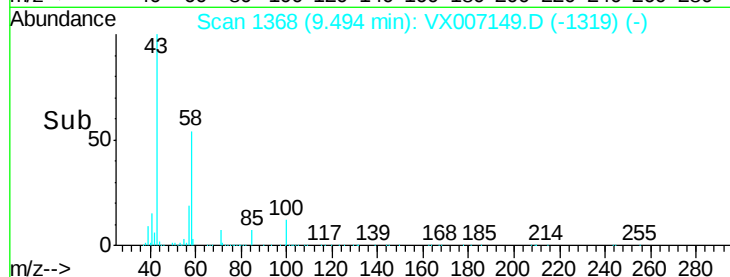
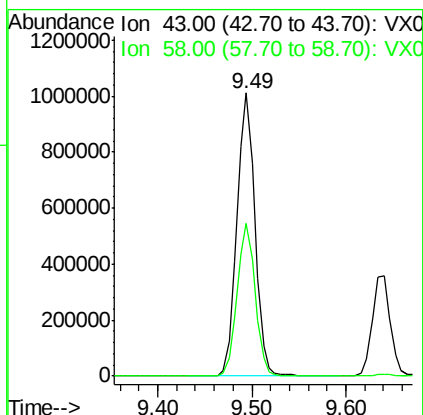
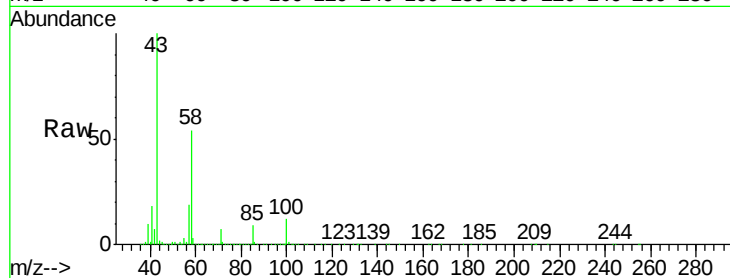




#59
2-Hexanone
Concen: 288.044 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

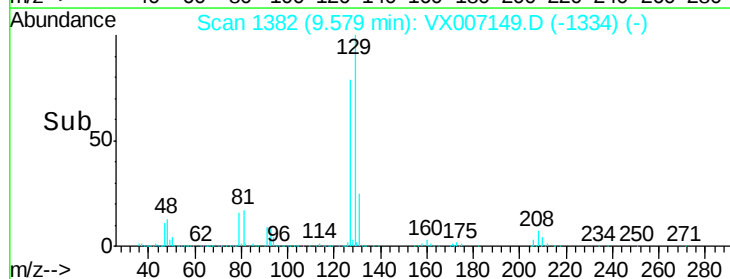
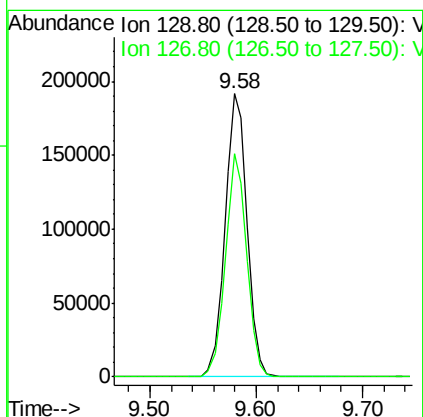
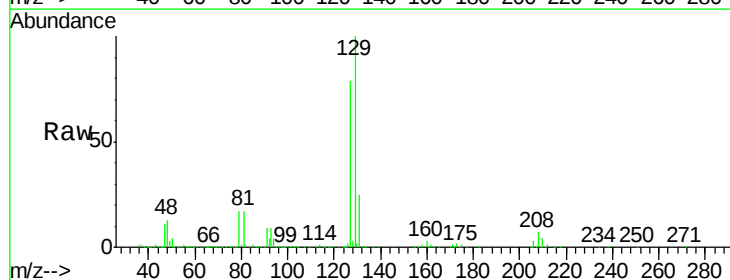
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

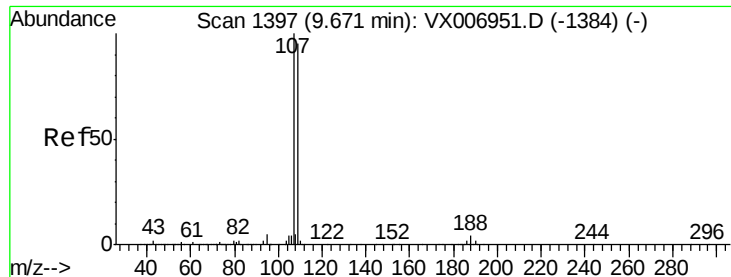
Tot Ion: 43 Resp: 1350249
Ion Ratio Lower Upper
43 100
58 53.8 27.7 83.1



#60
Dibromochloromethane
Concen: 63.983 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 129 Resp: 276044
Ion Ratio Lower Upper
129 100
127 76.6 39.3 117.8





#61

1,2-Dibromoethane

Concen: 55.765 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

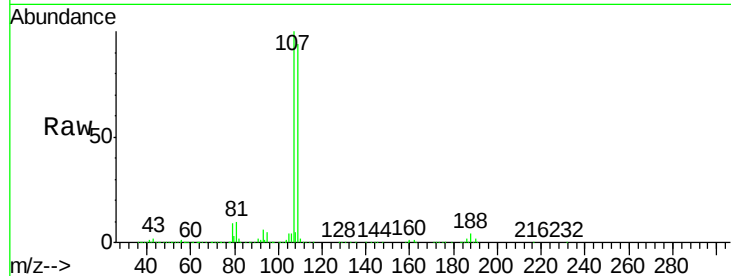
VSTDCCC050

Tot Ion:107 Resp: 272767

Ion Ratio Lower Upper

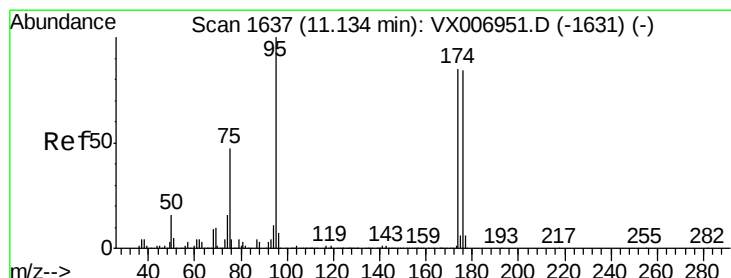
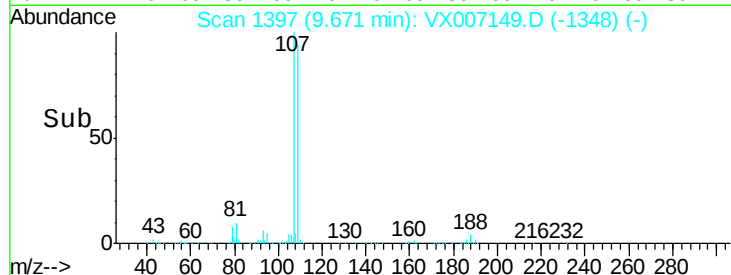
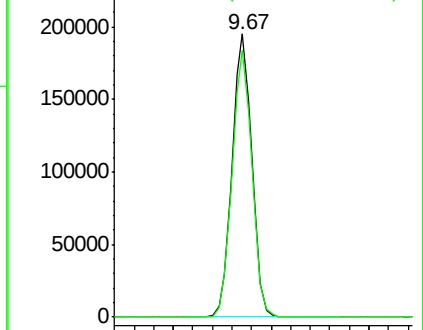
107 100

109 94.8 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 59.118 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

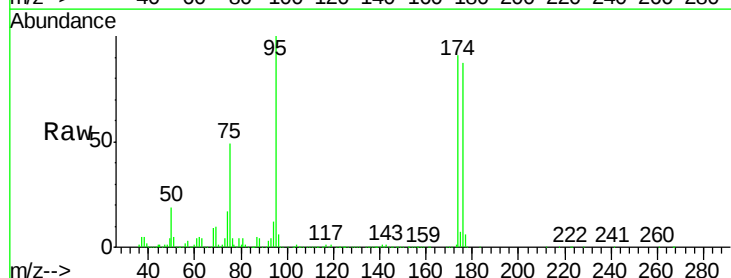
Tgt Ion: 95 Resp: 314513

Ion Ratio Lower Upper

95 100

174 95.5 0.0 182.2

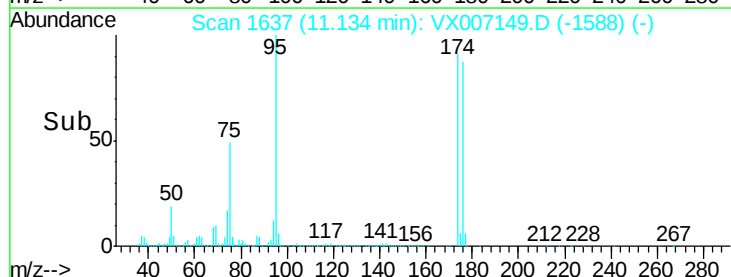
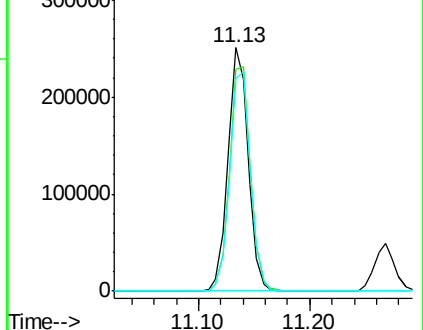
176 93.0 0.0 178.8

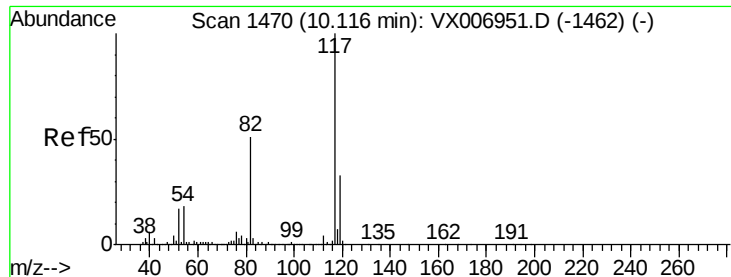


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

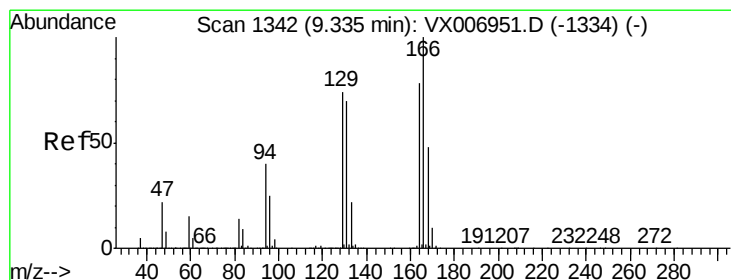
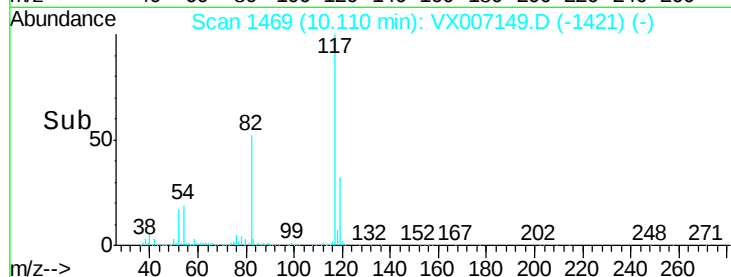
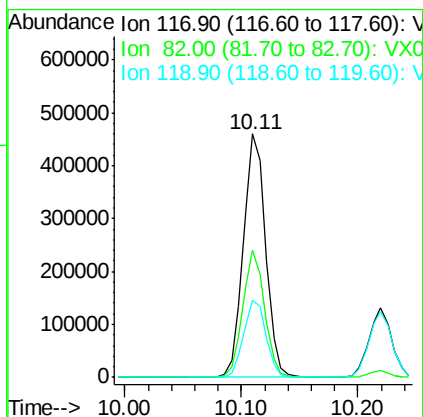
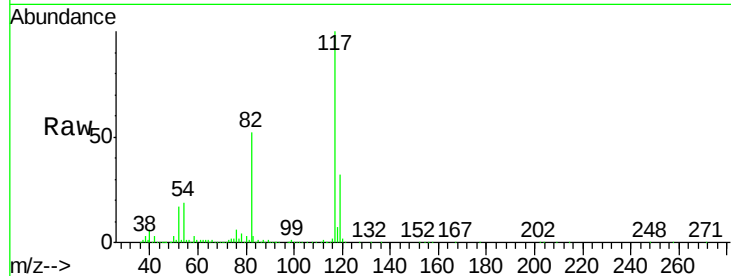




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

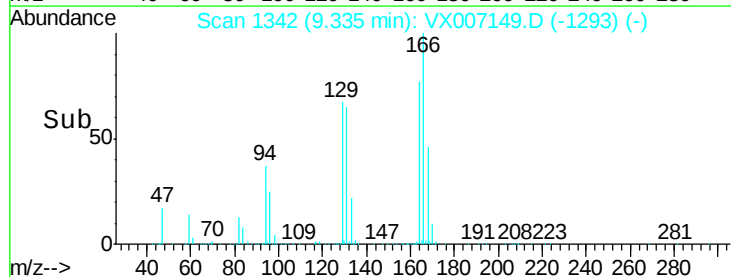
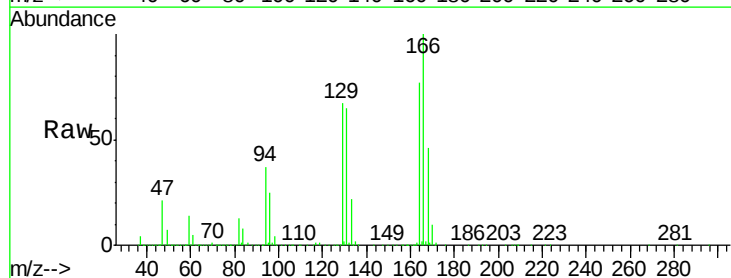
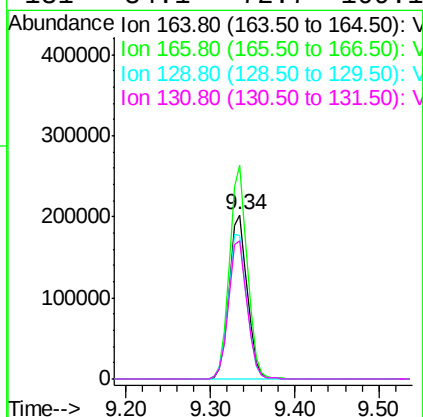
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

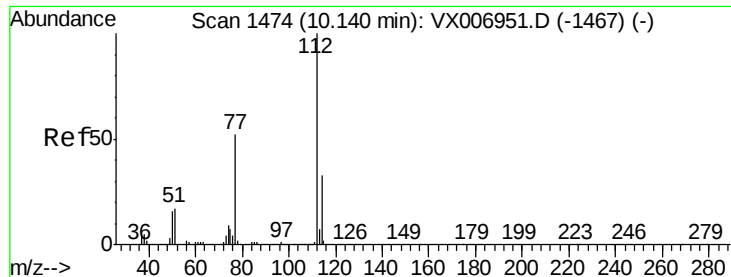
Tot Ion:117 Resp: 617550
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 55.065 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion:164 Resp: 294409
Ion Ratio Lower Upper
164 100
166 130.4 102.5 153.7
129 87.8 75.1 112.7
131 84.1 72.7 109.1





#65

Chlorobenzene

Concen: 54.090 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

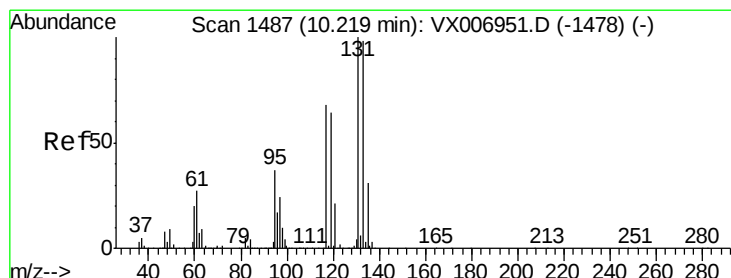
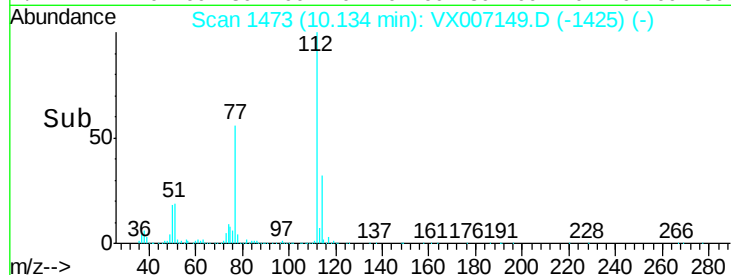
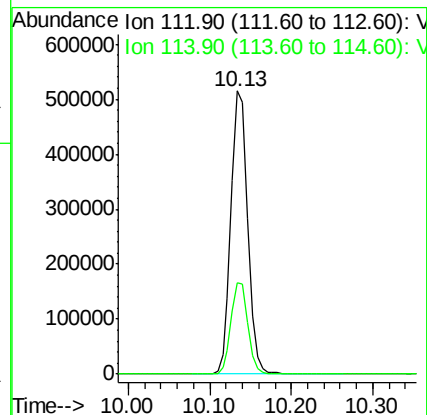
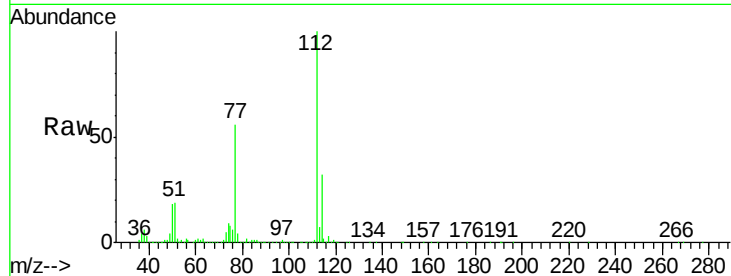
VSTDCCC050

Tot Ion:112 Resp: 728537

Ion Ratio Lower Upper

112 100

114 32.1 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 58.460 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

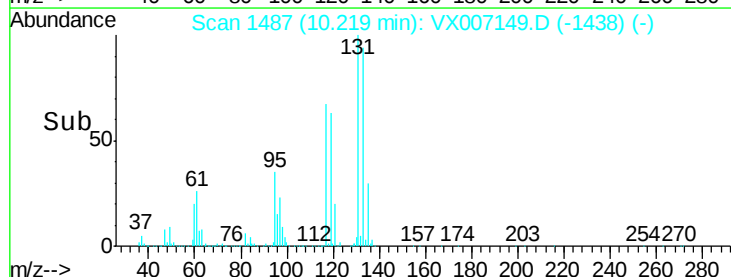
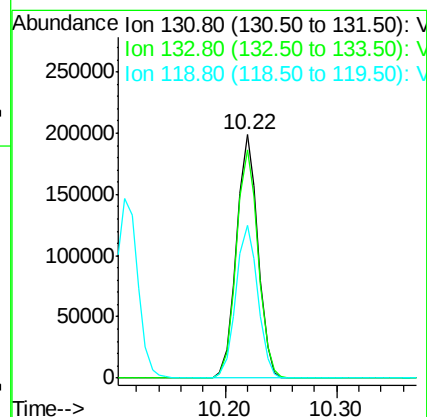
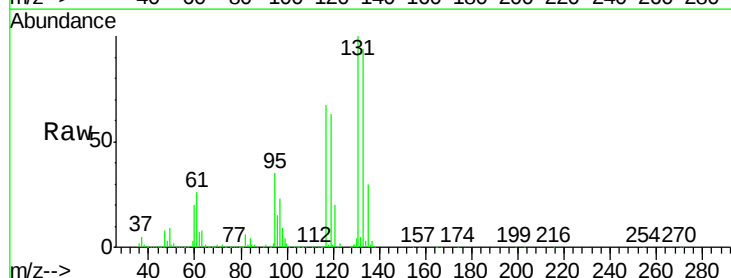
Tgt Ion:131 Resp: 264882

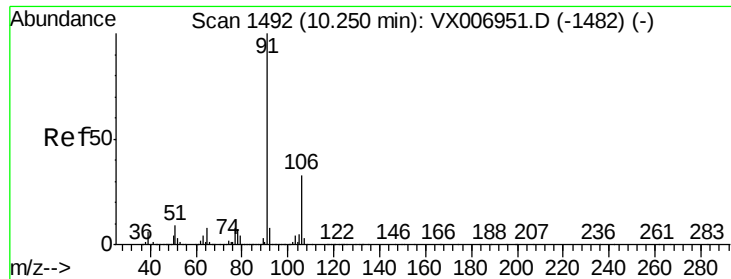
Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

119 64.1 32.6 97.8





#67

Ethyl Benzene

Concen: 54.637 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

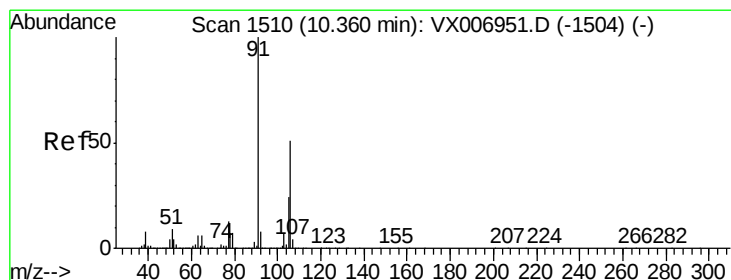
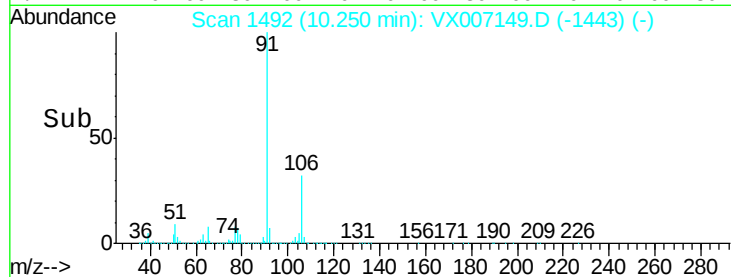
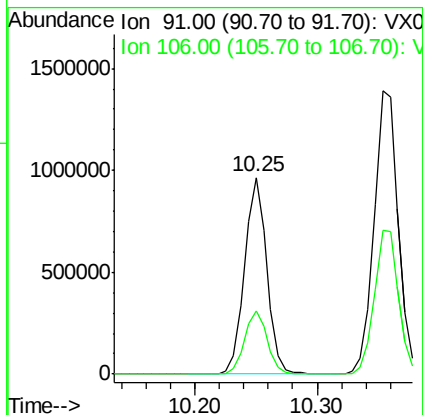
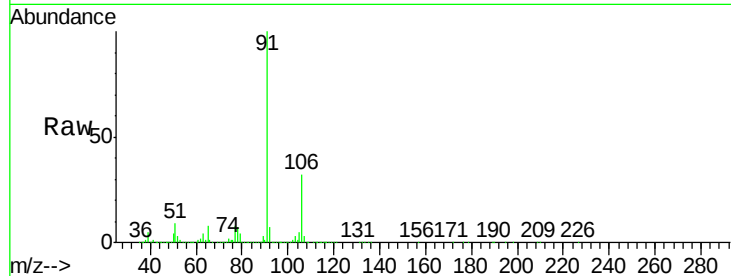
VSTDCCC050

Tot Ion: 91 Resp: 1214891

Ion Ratio Lower Upper

91 100

106 32.3 26.4 39.6



#68

m/p-Xylenes

Concen: 111.935 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007149.D

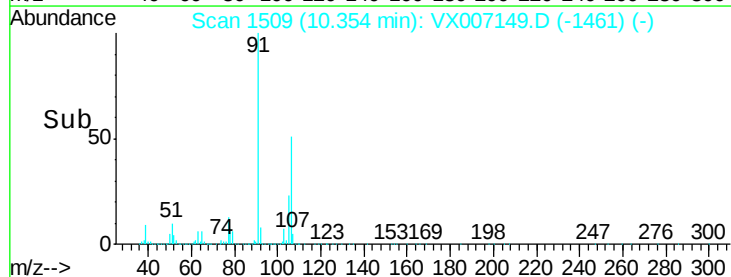
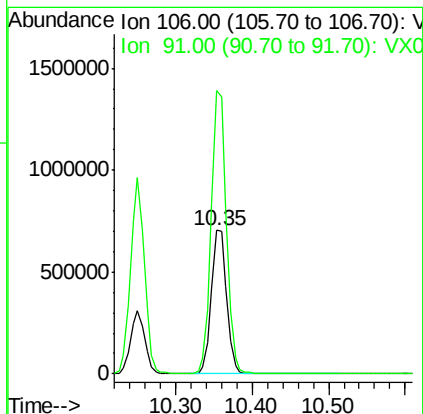
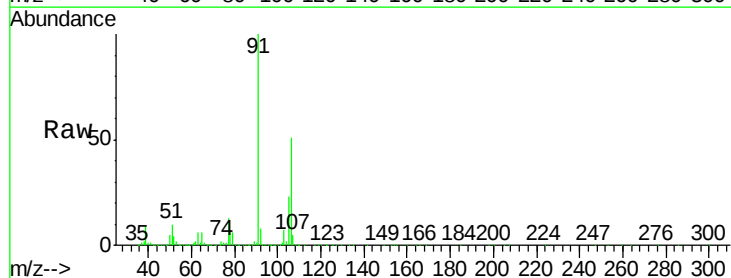
Acq: 21 Jan 2019 10:34

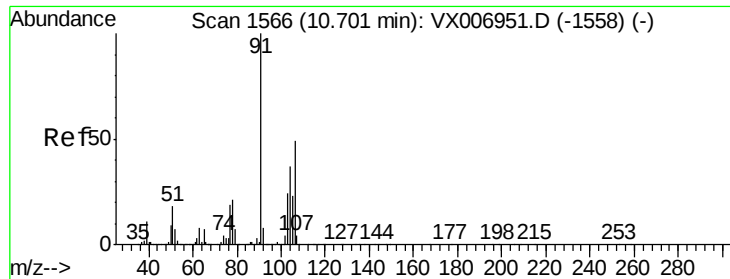
Tgt Ion: 106 Resp: 980617

Ion Ratio Lower Upper

106 100

91 195.4 155.8 233.6

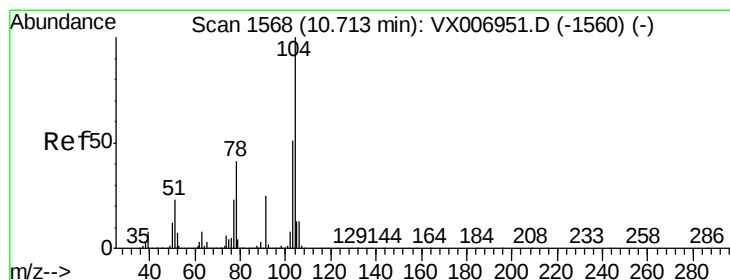
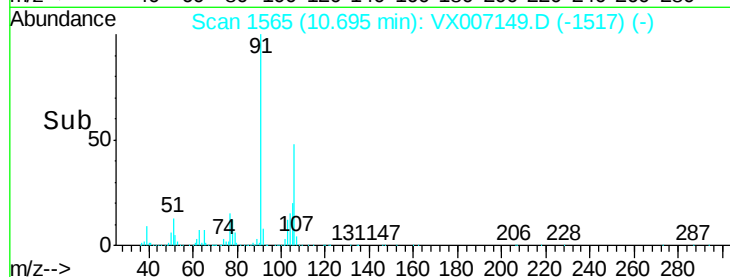
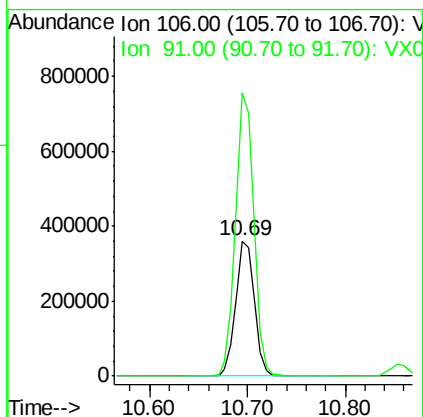
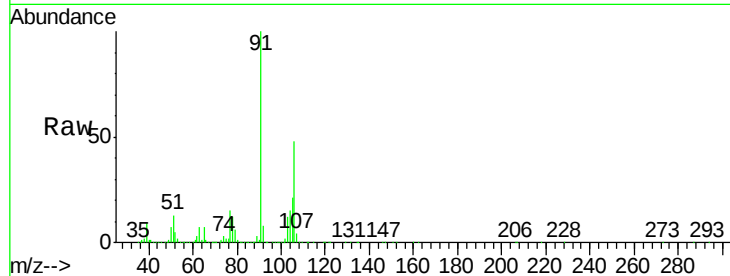




#69
o-Xylene
Concen: 56.013 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

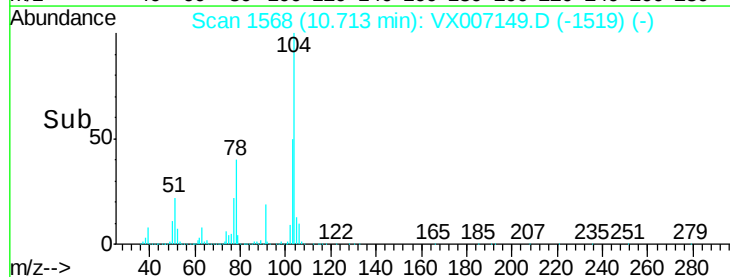
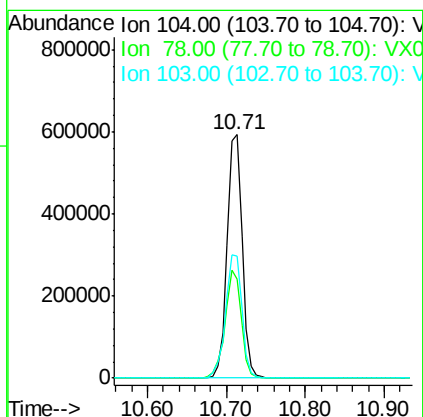
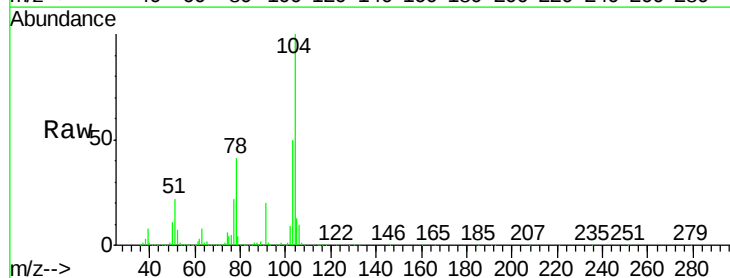
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

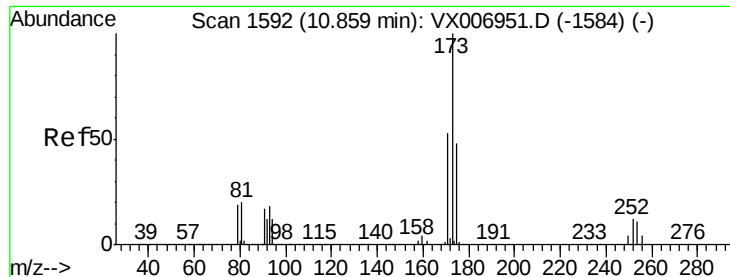
Tot Ion:106 Resp: 478564
Ion Ratio Lower Upper
106 100
91 206.5 101.3 303.7



#70
Styrene
Concen: 58.336 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion:104 Resp: 789375
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 55.4 43.8 65.8





#71

Bromoform

Concen: 52.048 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

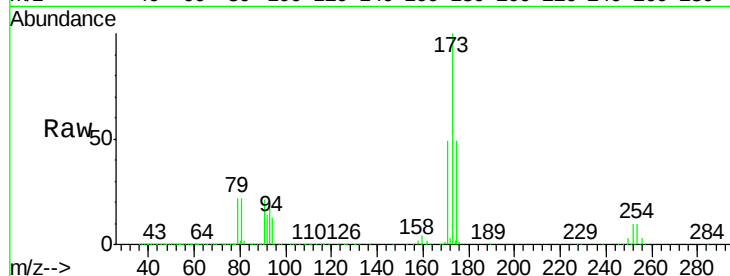
Tot Ion:173 Resp: 211855

Ion Ratio Lower Upper

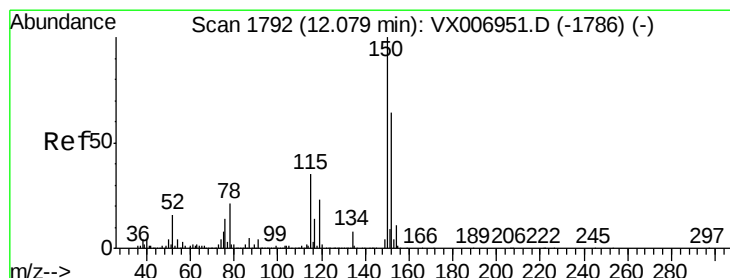
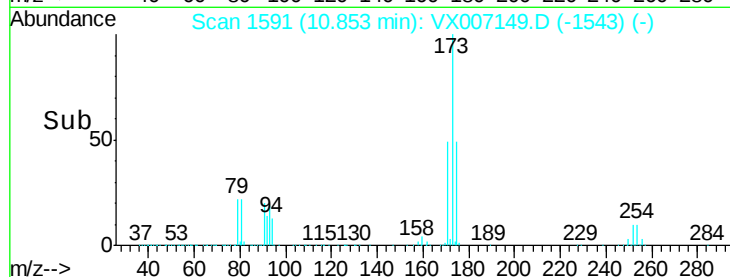
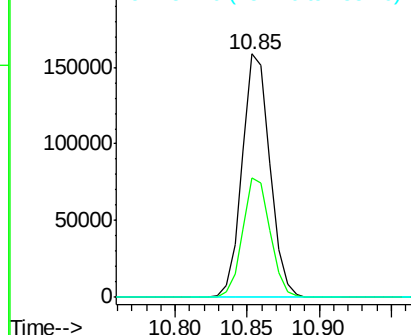
173 100

175 48.6 24.7 74.1

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

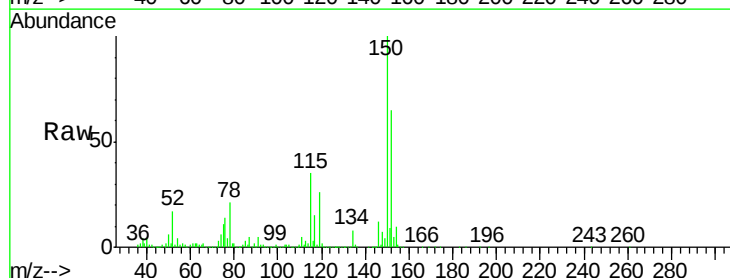
Tgt Ion:152 Resp: 342033

Ion Ratio Lower Upper

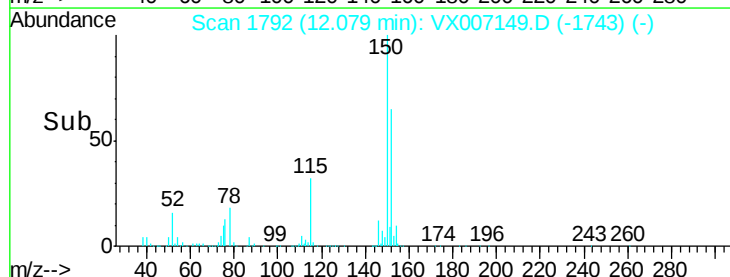
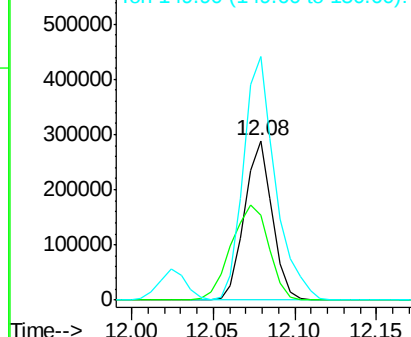
152 100

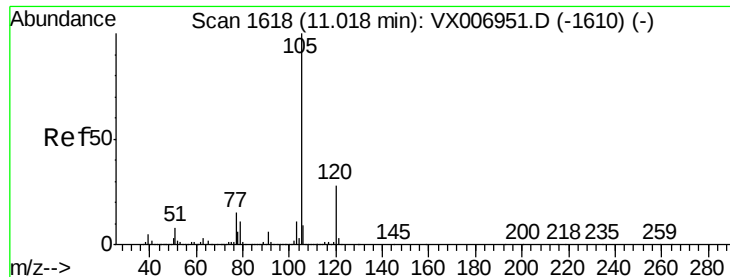
115 81.4 39.1 117.2

150 176.3 0.0 344.8



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: 53.071 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

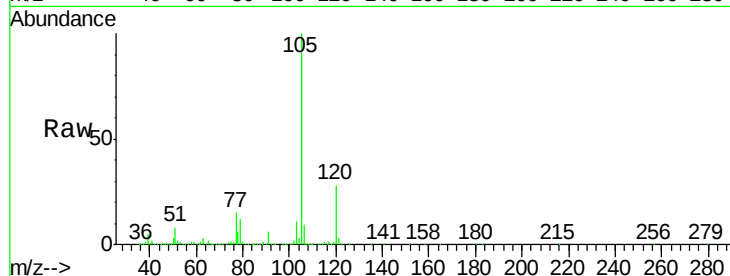
VSTDCCC050

Tot Ion:105 Resp: 1279964

Ion Ratio Lower Upper

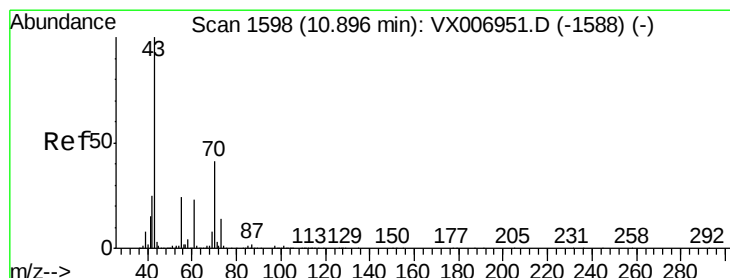
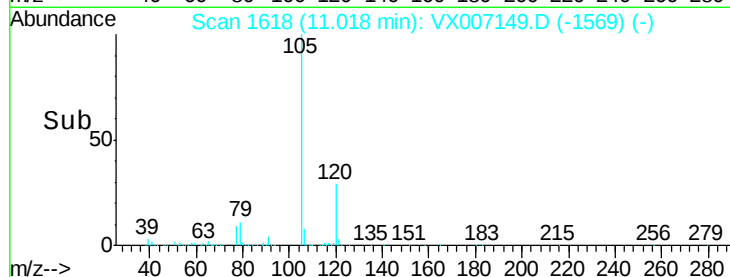
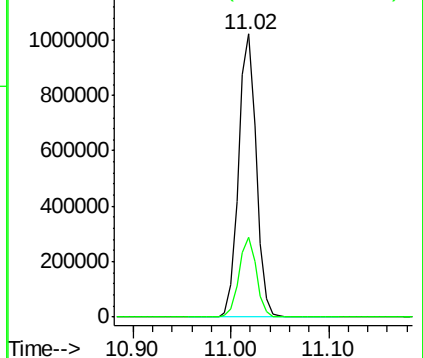
105 100

120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.109 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion: 43 Resp: 486580

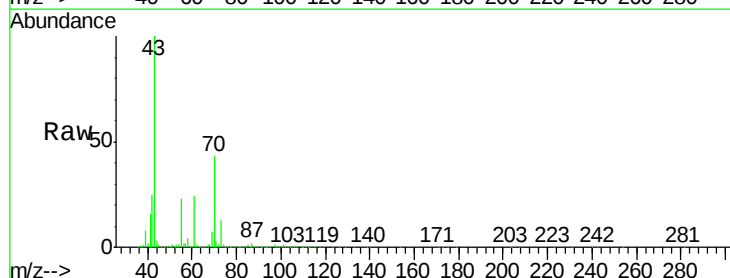
Ion Ratio Lower Upper

43 100

70 42.9 35.8 53.8

55 24.3 19.4 29.0

61 24.4 20.1 30.1

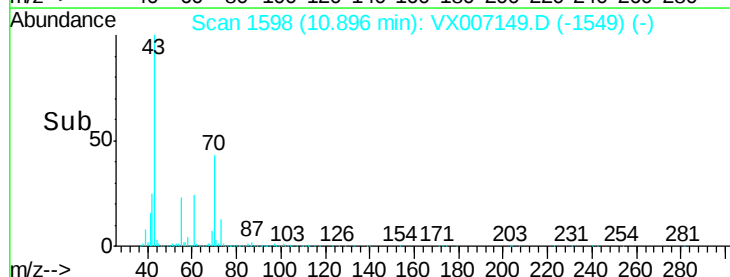
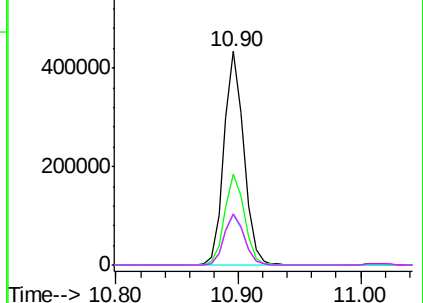


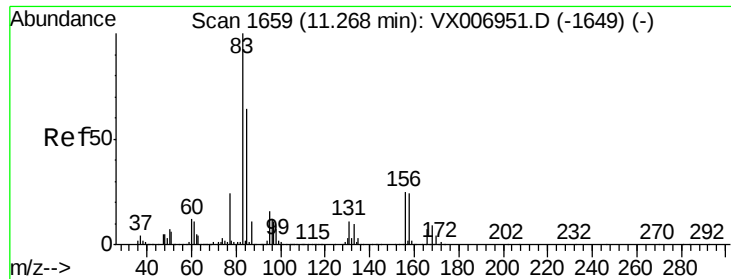
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.845 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

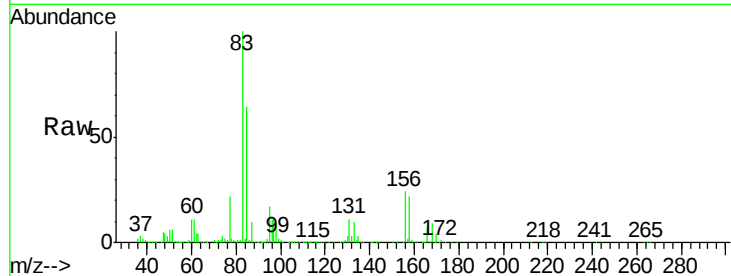
Tot Ion: 83 Resp: 381647

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

85 63.5 32.2 96.6

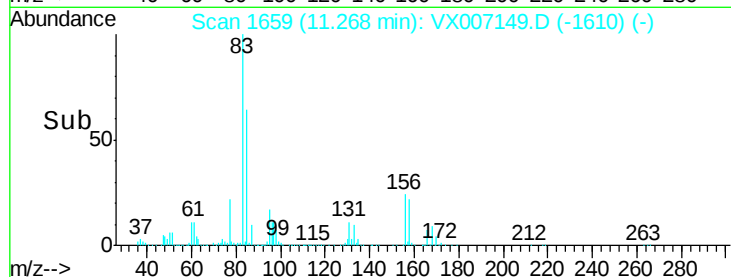


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->

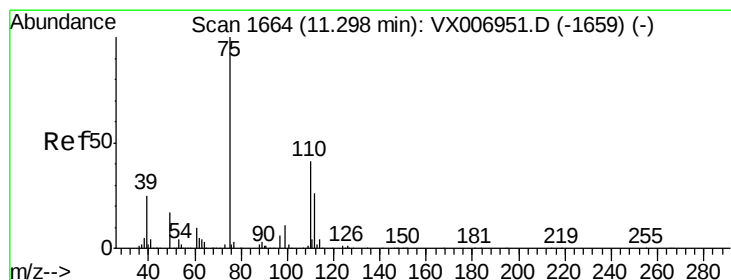


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



#76

1,2,3-Trichloropropane

Concen: 63.676 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007149.D

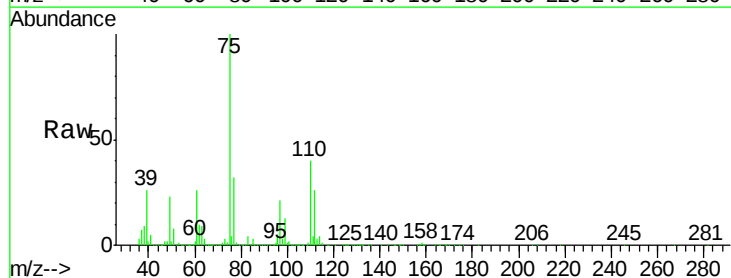
Acq: 21 Jan 2019 10:34

Tgt Ion: 75 Resp: 441346

Ion Ratio Lower Upper

75 100

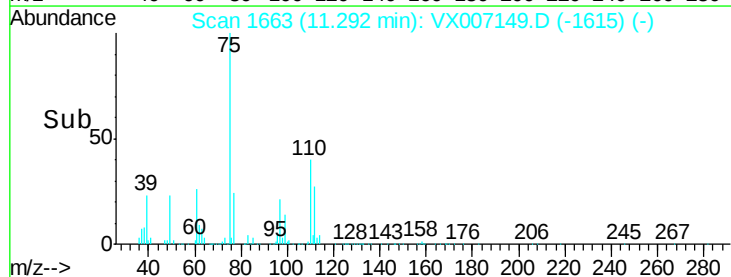
77 31.6 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

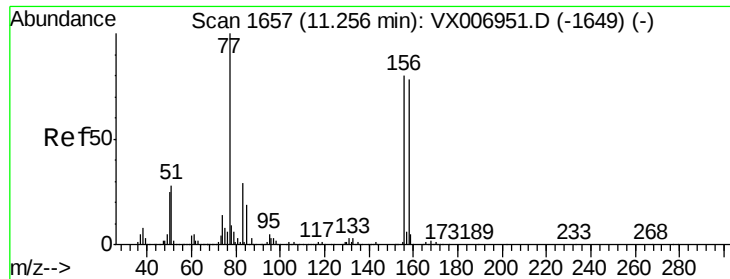
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->



#77

Bromobenzene

Concen: 52.598 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

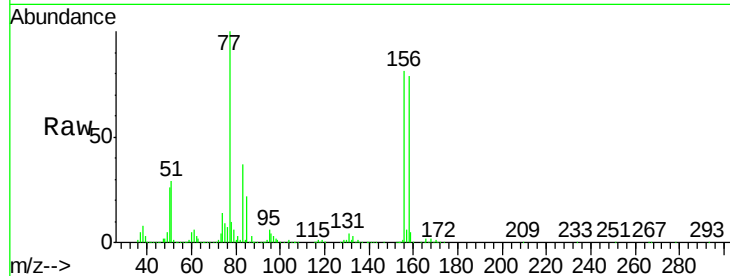
Tot Ion:156 Resp: 349537

Ion Ratio Lower Upper

156 100

77 132.0 68.0 204.0

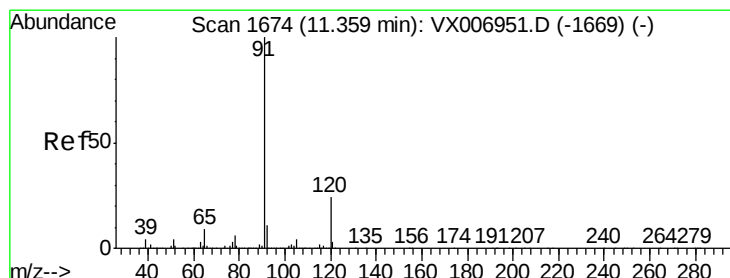
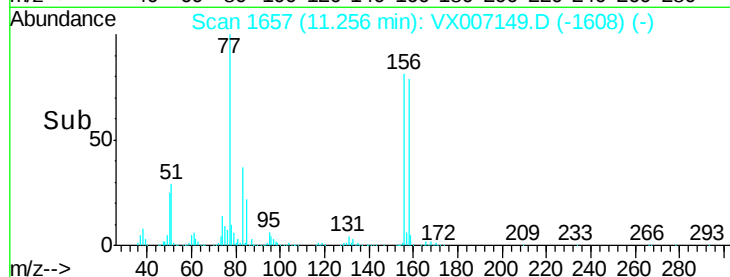
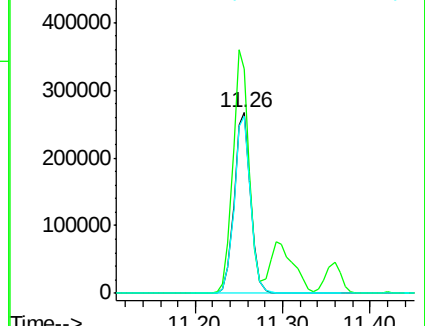
158 98.0 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.879 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007149.D

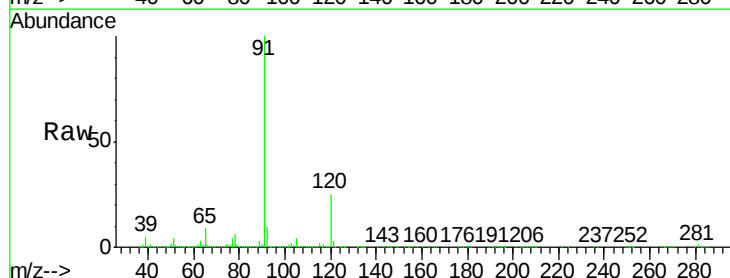
Acq: 21 Jan 2019 10:34

Tgt Ion: 91 Resp: 1479494

Ion Ratio Lower Upper

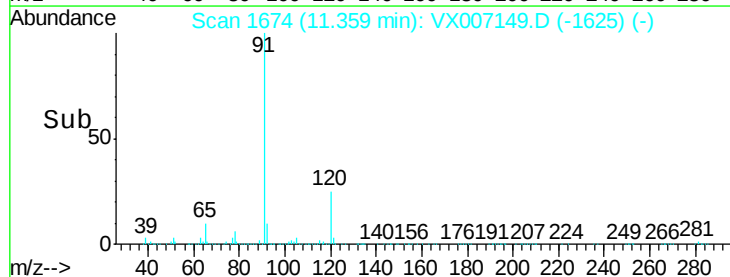
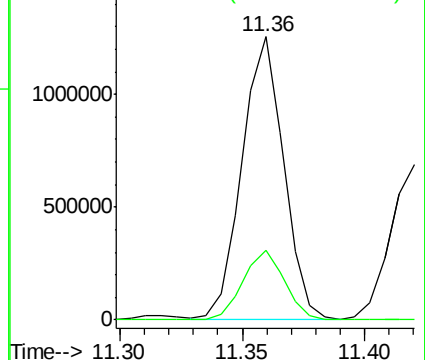
91 100

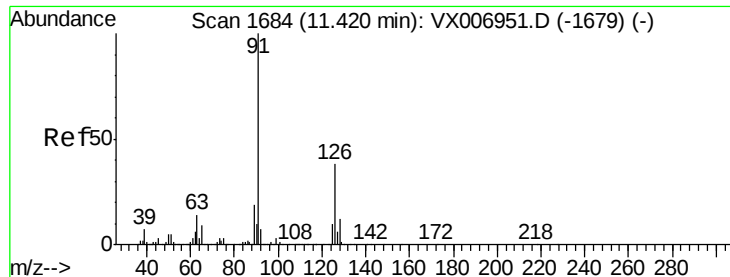
120 24.7 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.039 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

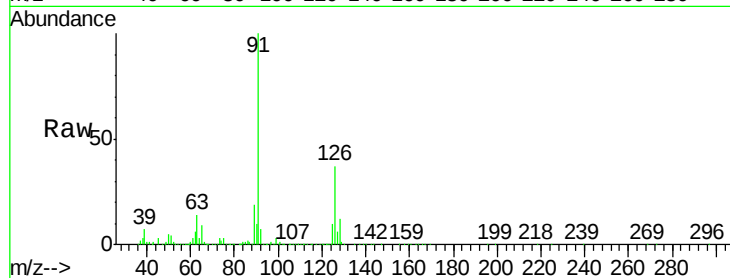
VSTDCCC050

Tot Ion: 91 Resp: 845324

Ion Ratio Lower Upper

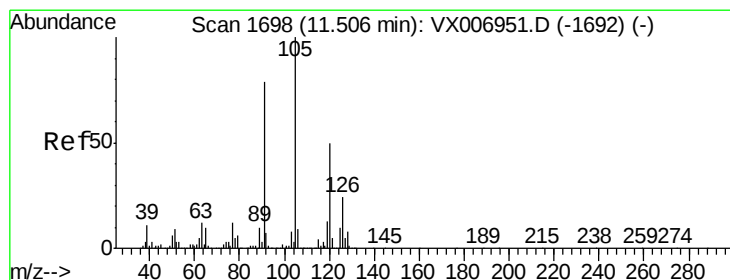
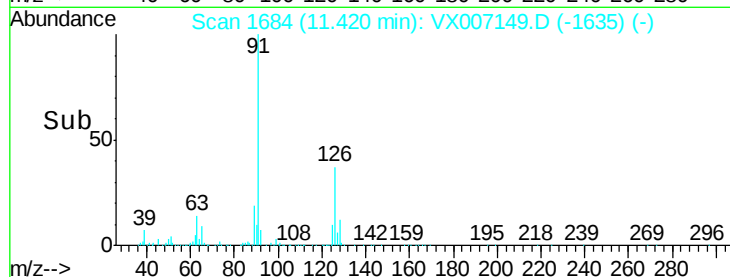
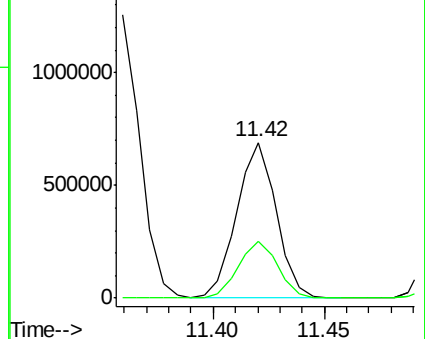
91 100

126 37.0 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.771 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007149.D

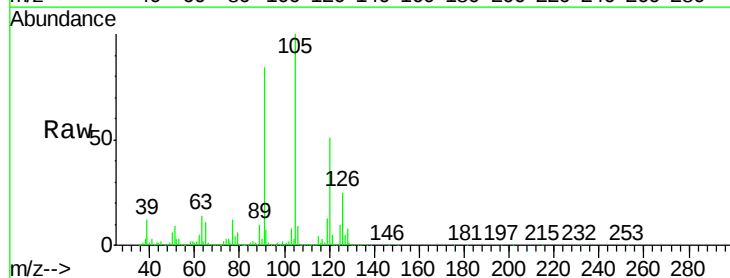
Acq: 21 Jan 2019 10:34

Tgt Ion: 105 Resp: 1083622

Ion Ratio Lower Upper

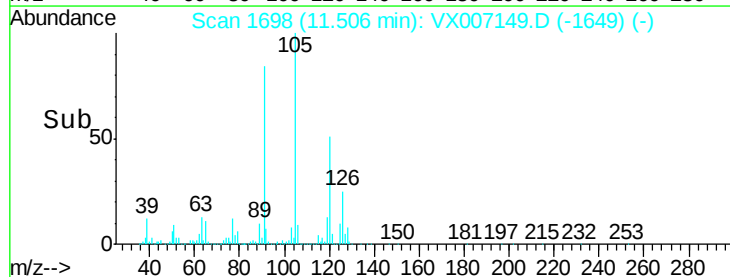
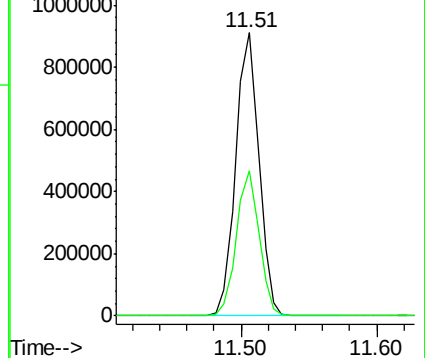
105 100

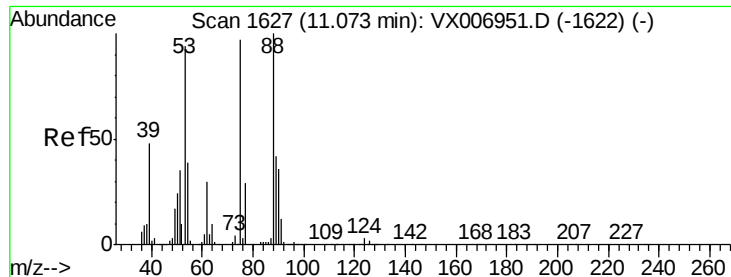
120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.009 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

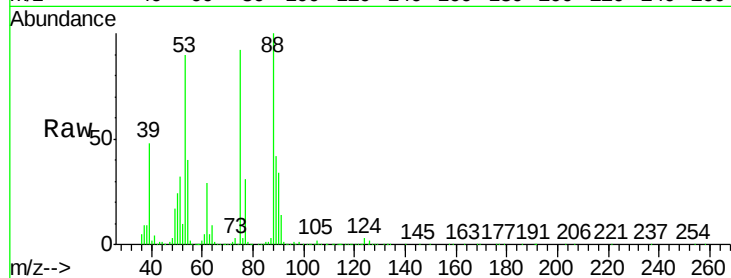
Tot Ion: 75 Resp: 112374

Ion Ratio Lower Upper

75 100

53 97.7 79.7 119.5

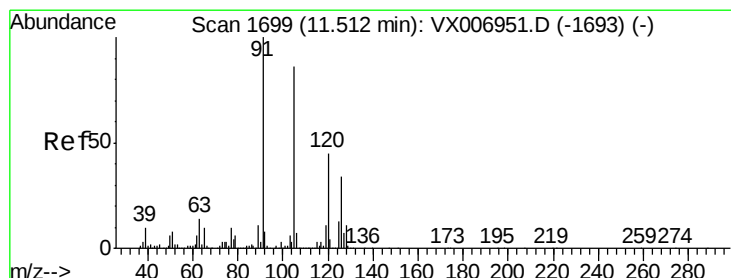
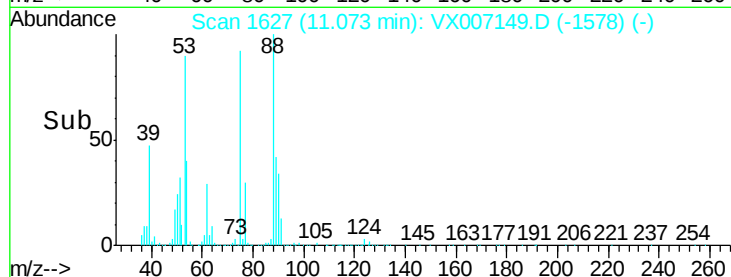
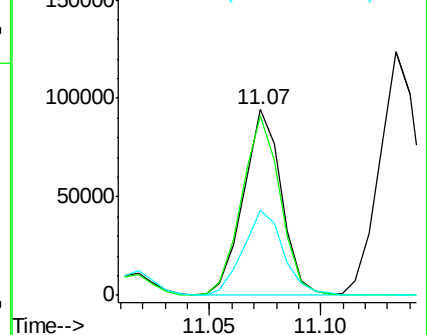
89 48.3 38.0 57.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.727 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007149.D

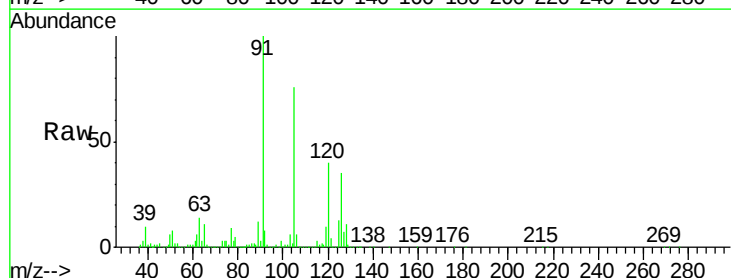
Acq: 21 Jan 2019 10:34

Tgt Ion: 91 Resp: 1009899

Ion Ratio Lower Upper

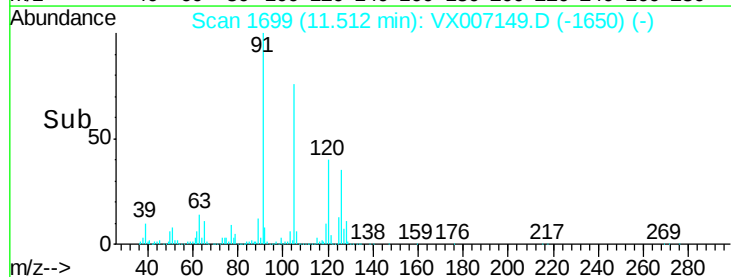
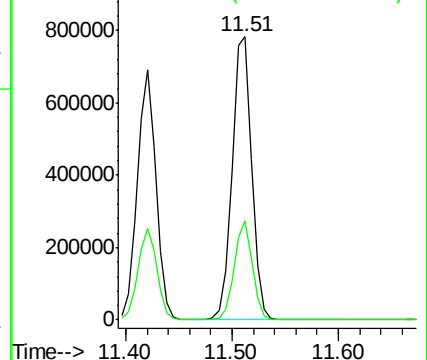
91 100

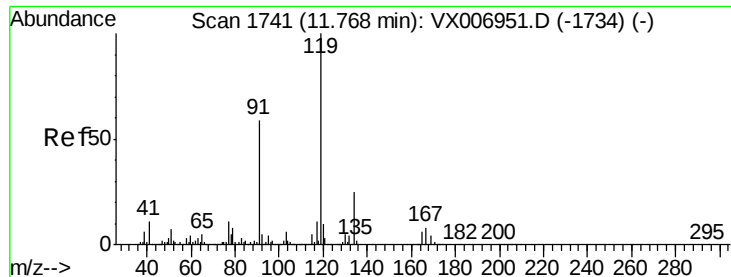
126 32.5 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.550 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

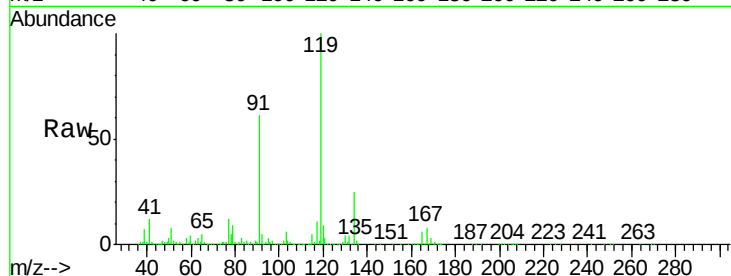
Tot Ion:119 Resp: 1056607

Ion Ratio Lower Upper

119 100

91 57.1 27.7 83.1

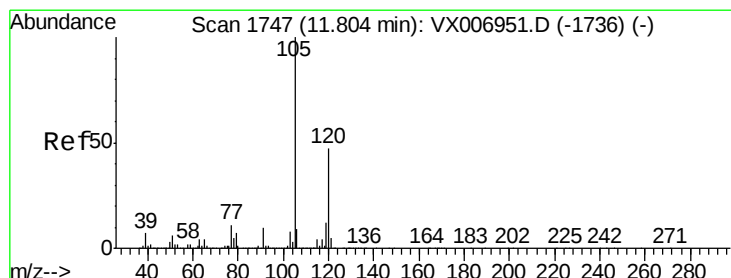
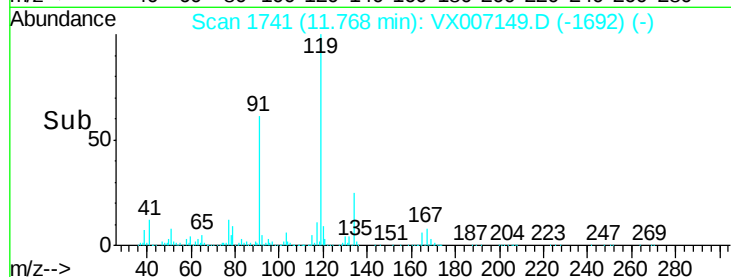
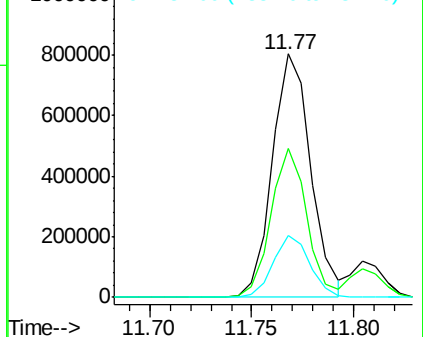
134 24.3 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.512 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007149.D

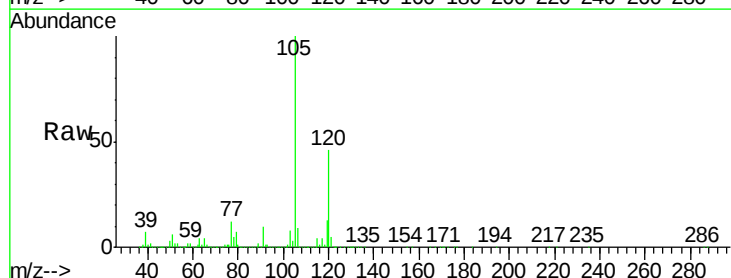
Acq: 21 Jan 2019 10:34

Tgt Ion:105 Resp: 1104690

Ion Ratio Lower Upper

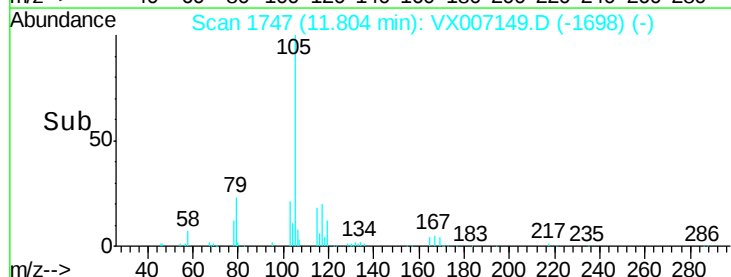
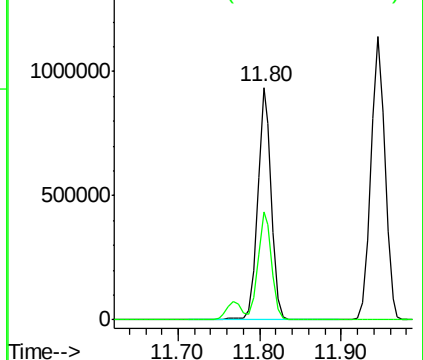
105 100

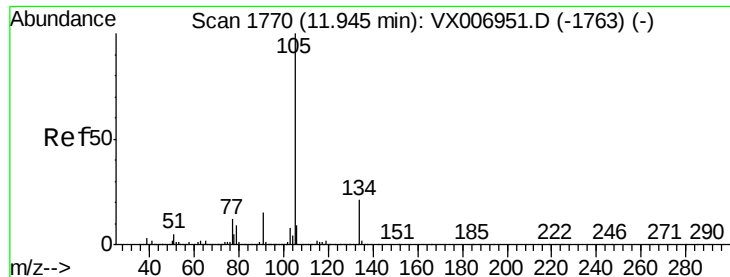
120 46.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.552 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

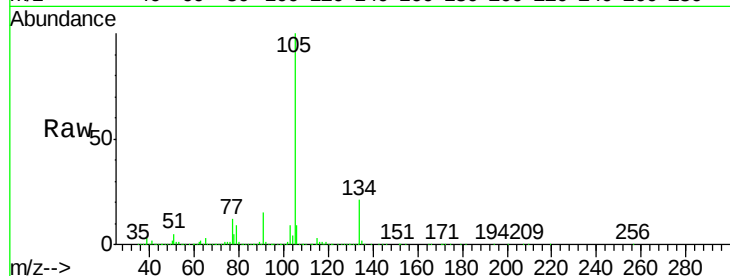
VSTDCCC050

Tot Ion:105 Resp: 1333959

Ion Ratio Lower Upper

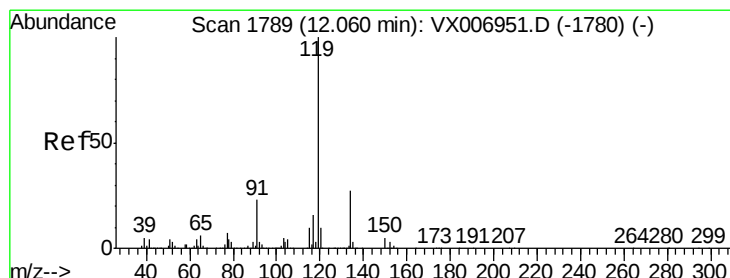
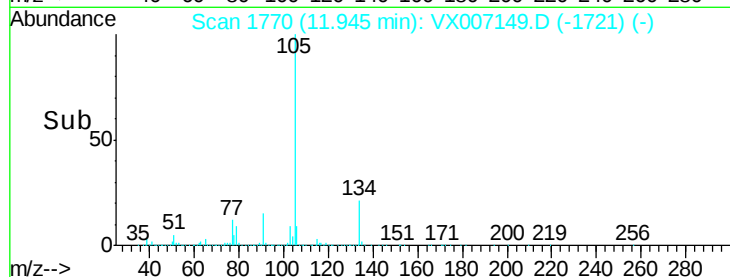
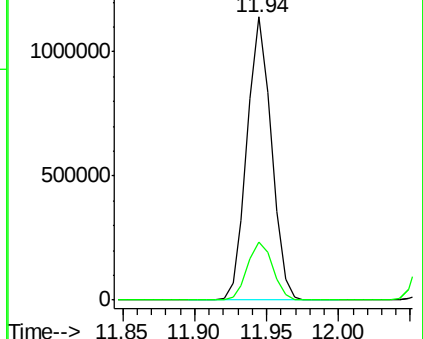
105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.018 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

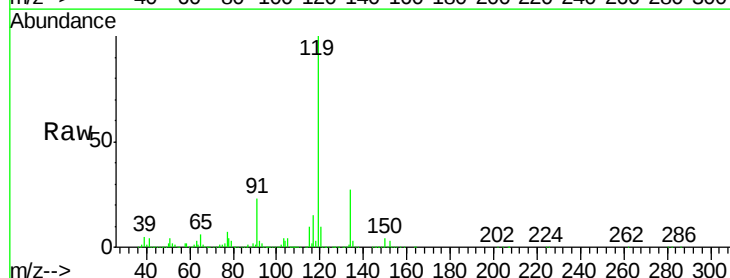
Tgt Ion:119 Resp: 1203206

Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

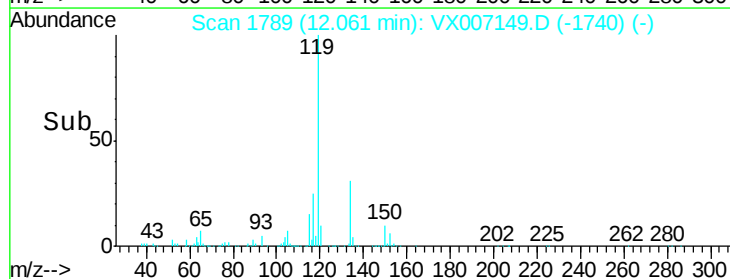
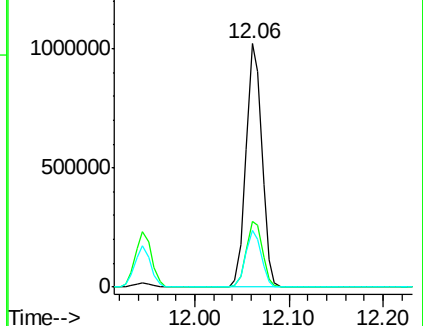
91 22.8 11.3 33.9

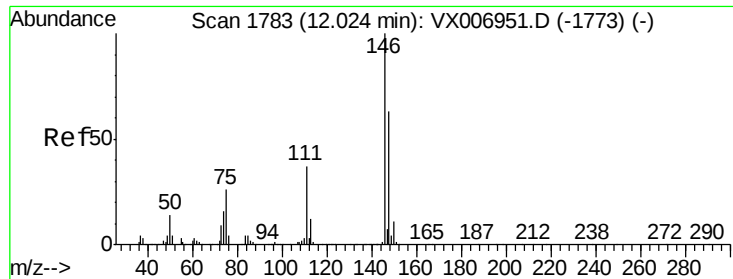


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

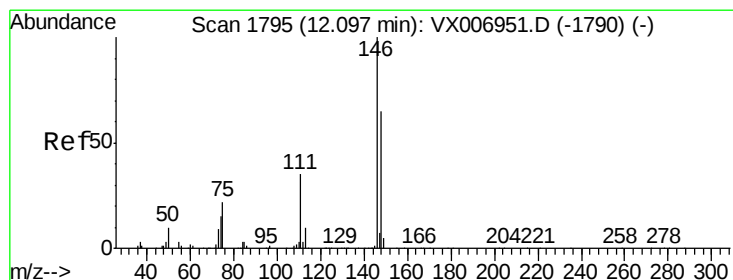
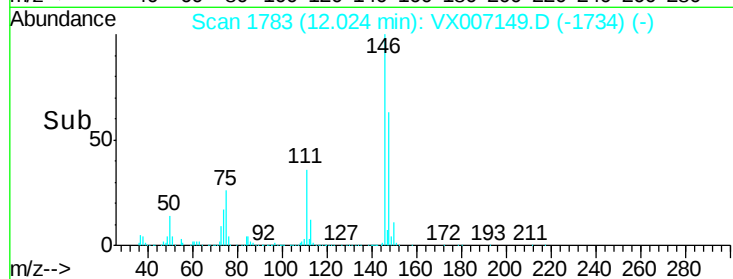
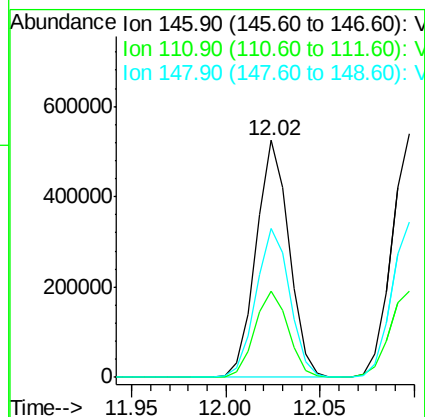
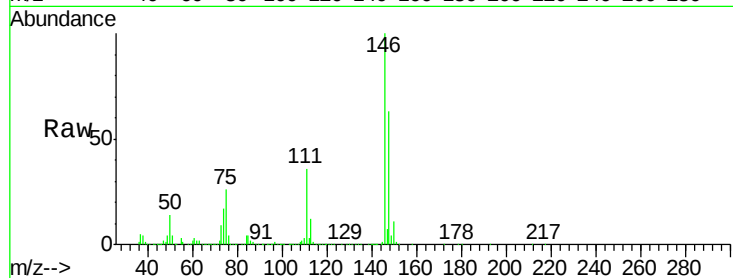




#87
 1,3-Dichlorobenzene
 Concen: 53.049 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

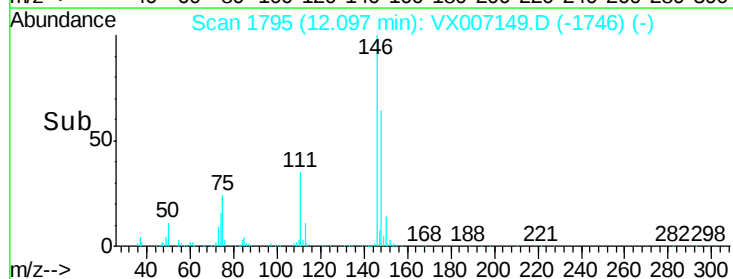
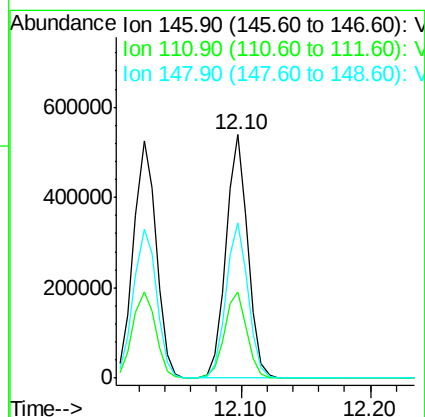
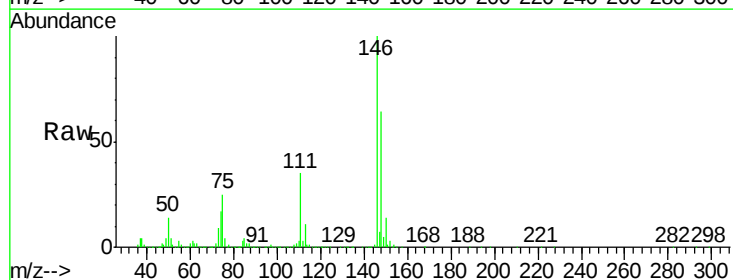
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	64.3	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 56.565 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.8	31.9	95.9

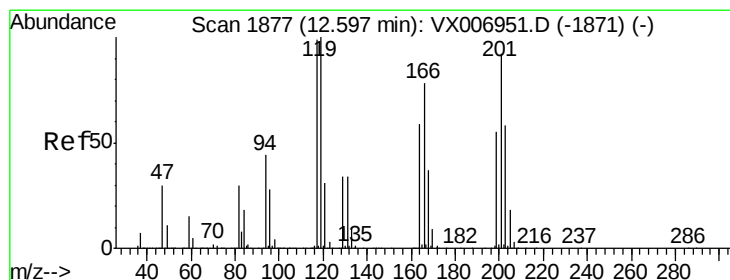
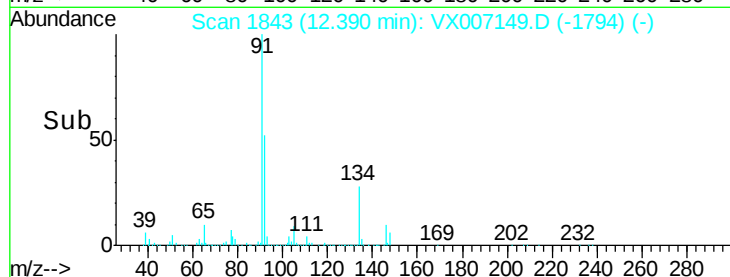
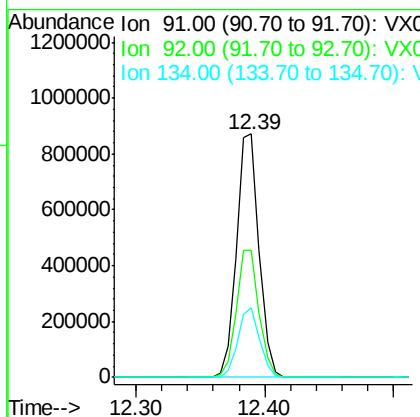
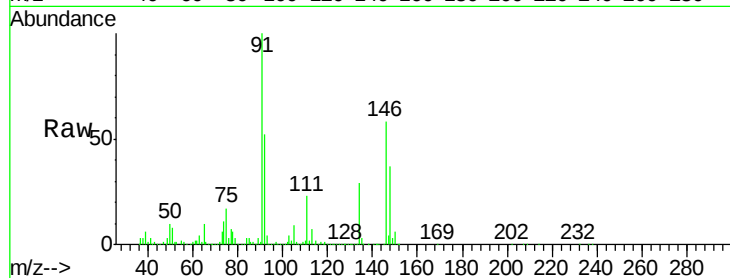




#89
n-Butylbenzene
Concen: 57.679 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

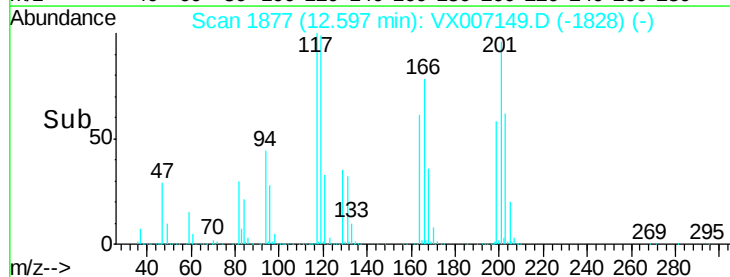
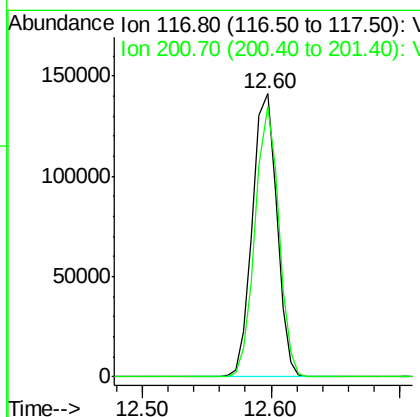
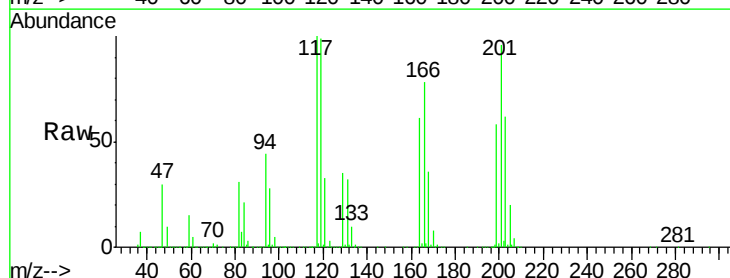
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1056107
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.4
134 27.9 14.4 43.2



#90
Hexachloroethane
Concen: 53.650 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 117 Resp: 184735
Ion Ratio Lower Upper
117 100
201 92.3 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 53.177 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

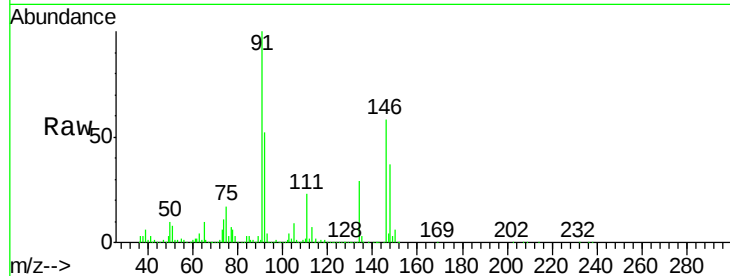
Tot Ion:146 Resp: 630343

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.2

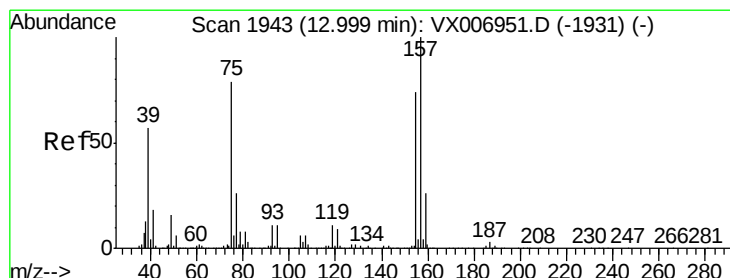
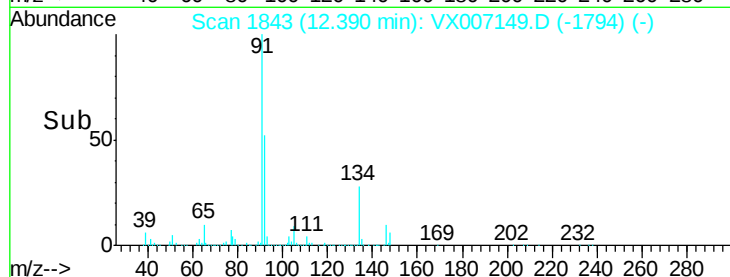
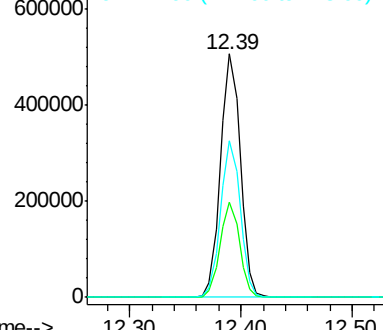
148 63.5 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.941 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

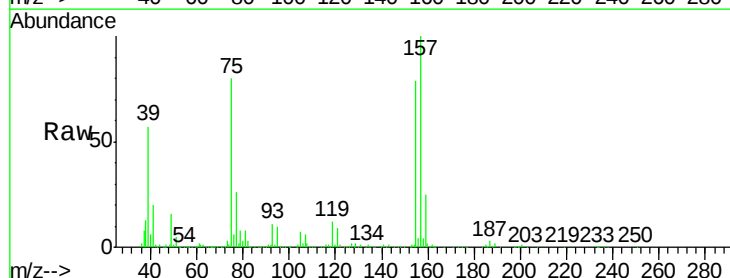
Tgt Ion: 75 Resp: 78654

Ion Ratio Lower Upper

75 100

155 101.6 50.6 151.8

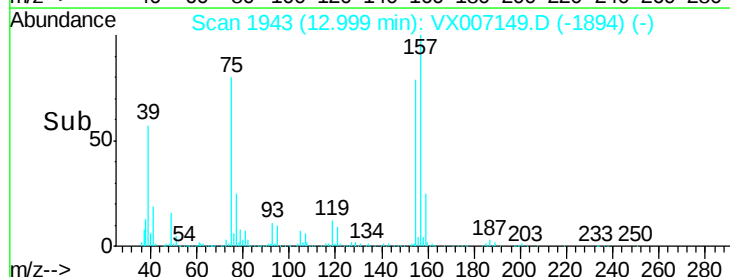
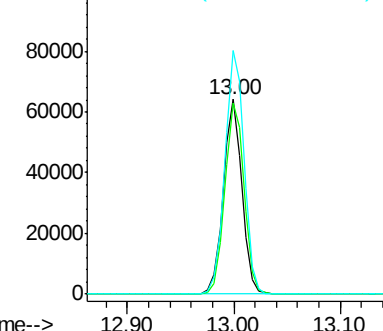
157 128.9 64.6 193.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 56.113 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

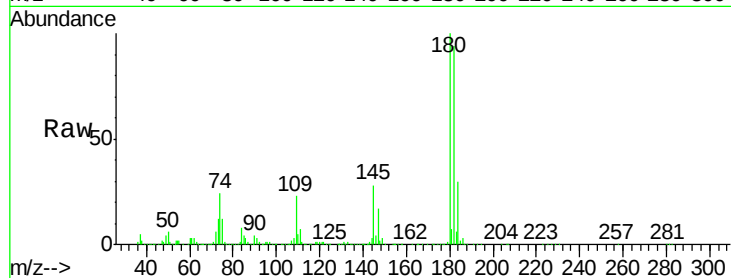
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:180 Resp: 456337

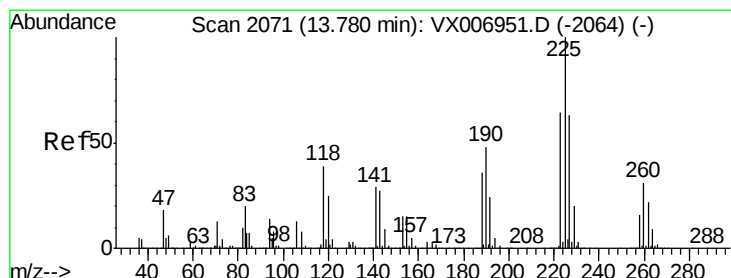
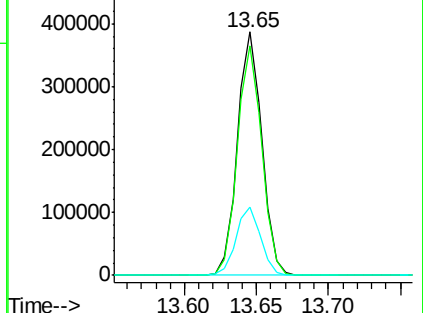
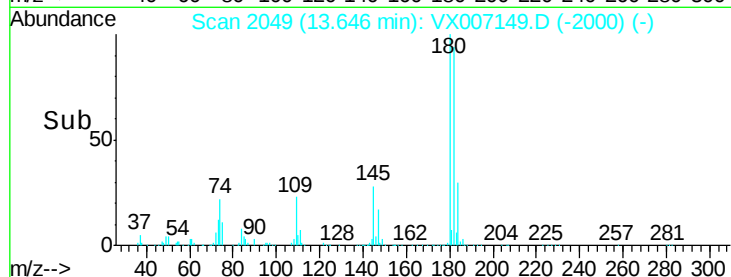
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	28.6	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 58.824 ug/l

RT: 13.78 min Scan# 2071

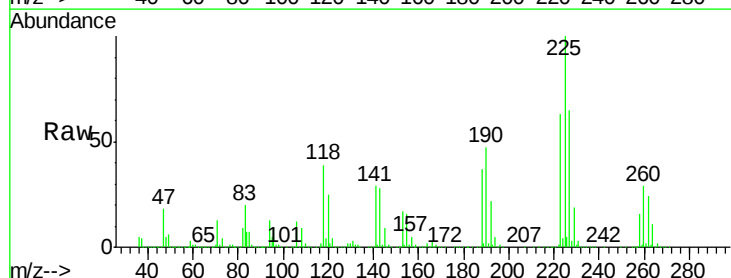
Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:225 Resp: 212290

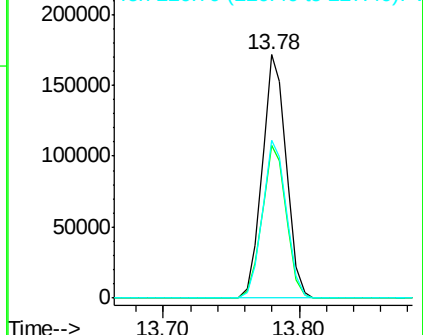
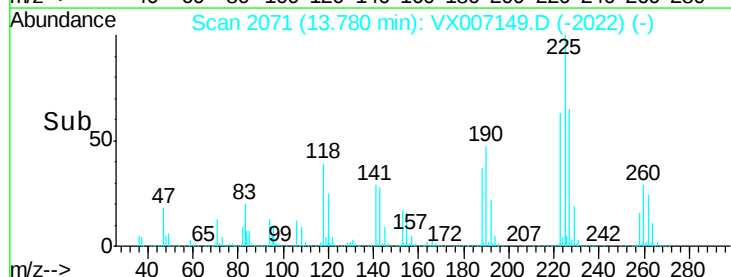
Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.1	96.3
227	65.0	32.3	96.8

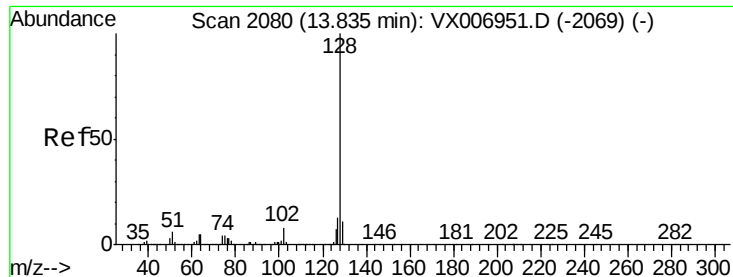


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

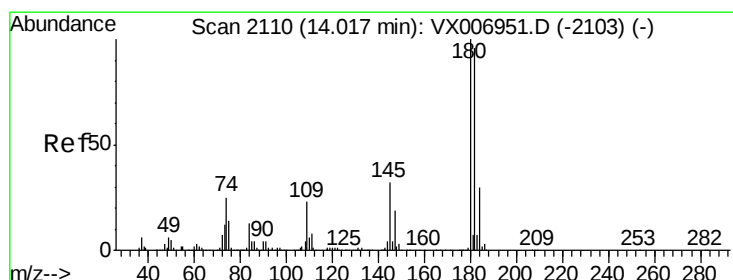
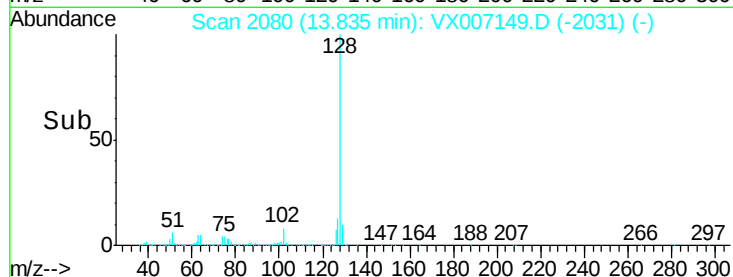
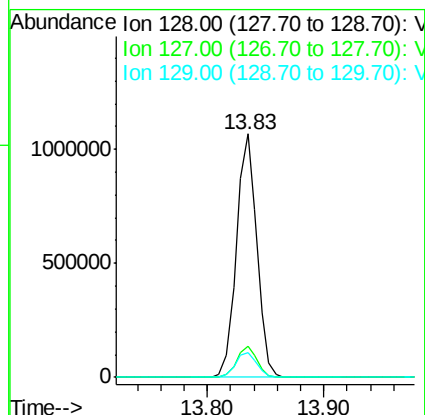
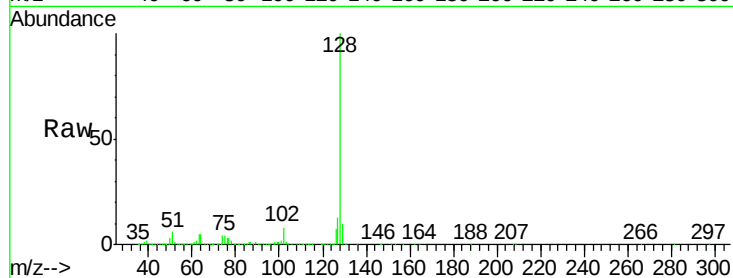




#95
Naphthalene
Concen: 52.734 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1299524
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 55.886 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion:180 Resp: 451486
Ion Ratio Lower Upper
180 100
182 94.9 48.5 145.5
145 30.1 16.0 47.9

