

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005624.D
 Acq On : 26 Oct 2018 23:48
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 27 04:53:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	240501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352731	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172341	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	137836	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	5.49	113	117428	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.71	98	407967	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.14	95	153286	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	142464	60.014	ug/l	96
3) Chloromethane	1.32	50	149343	49.400	ug/l	99
4) Vinyl Chloride	1.41	62	147077	49.478	ug/l	99
5) Bromomethane	1.64	94	91259	49.338	ug/l	95
6) Chloroethane	1.71	64	93529	49.253	ug/l	99
7) Trichlorofluoromethane	1.93	101	199939	48.406	ug/l	95
8) Diethyl Ether	2.19	74	78066	47.360	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110671	46.699	ug/l	99
10) Methyl Iodide	2.51	142	129304	52.121	ug/l	99
11) Tert butyl alcohol	3.07	59	176060	222.858	ug/l	100
12) 1,1-Dichloroethene	2.37	96	106677	47.253	ug/l	97
13) Acrolein	2.29	56	83529	207.273	ug/l	96
14) Allyl chloride	2.73	41	232880	46.220	ug/l	99
15) Acrylonitrile	3.15	53	410212	231.562	ug/l	100
16) Acetone	2.45	43	359650	231.837	ug/l #	86
17) Carbon Disulfide	2.57	76	325252	47.262	ug/l	97
18) Methyl Acetate	2.78	43	192969	50.364	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	383727	47.650	ug/l	99
20) Methylene Chloride	2.85	84	119204	45.880	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112204	45.520	ug/l	99
22) Diisopropyl ether	3.86	45	430764	48.958	ug/l	90
23) Vinyl Acetate	3.82	43	1829551	236.101	ug/l	96
24) 1,1-Dichloroethane	3.69	63	230159	48.114	ug/l	97
25) 2-Butanone	4.70	43	546377	231.288	ug/l	99
26) 2,2-Dichloropropane	4.58	77	142592	38.610	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	127472	47.969	ug/l	97
28) Bromochloromethane	5.02	49	107297	46.375	ug/l	99
29) Tetrahydrofuran	5.15	42	364866	237.335	ug/l	99
30) Chloroform	5.22	83	209126	46.736	ug/l	89
31) Cyclohexane	5.56	56	203935	51.525	ug/l #	84
32) 1,1,1-Trichloroethane	5.49	97	181895	46.057	ug/l	99
36) 1,1-Dichloropropene	5.79	75	166683	48.694	ug/l	98
37) Ethyl Acetate	4.85	43	213443	48.863	ug/l	99
38) Carbon Tetrachloride	5.77	117	164337	45.582	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181390	47.988	ug/l	98
40) Benzene	6.13	78	474728	48.379	ug/l	97
41) Methacrylonitrile	5.06	41	114876	47.212	ug/l	97
42) 1,2-Dichloroethane	6.20	62	168038	45.078	ug/l	99
43) Isopropyl Acetate	6.46	43	310933	47.502	ug/l	99
44) Trichloroethene	7.21	130	126488	47.317	ug/l	99
45) 1,2-Dichloropropane	7.52	63	122139	46.297	ug/l	99
46) Dibromomethane	7.66	93	77366	45.405	ug/l	99
47) Bromodichloromethane	7.90	83	151214	45.725	ug/l	97
48) Methyl methacrylate	7.77	41	154871	48.567	ug/l	99
49) 1,4-Dioxane	7.75	88	58133	834.202	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1024957	232.990	ug/l	99
52) Toluene	8.79	92	283035	47.460	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	169471	47.416	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	182849	47.518	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	115633	45.990	ug/l	98
56) Ethyl methacrylate	9.18	69	189212	50.452	ug/l	98
57) 1,3-Dichloropropane	9.37	76	195408	45.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	490030	233.950	ug/l	100
59) 2-Hexanone	9.49	43	807633	232.847	ug/l	99
60) Dibromochloromethane	9.59	129	125179	47.718	ug/l	100
61) 1,2-Dibromoethane	9.67	107	122114	46.946	ug/l	100
64) Tetrachloroethene	9.34	164	124567	48.967	ug/l	99
65) Chlorobenzene	10.14	112	315998	48.425	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	116614	49.010	ug/l	98
67) Ethyl Benzene	10.25	91	551691	51.386	ug/l	99
68) m/p-Xylenes	10.36	106	424170	101.832	ug/l	100
69) o-Xylene	10.70	106	205285	52.384	ug/l	100
70) Styrene	10.71	104	345752	52.704	ug/l	99
71) Bromoform	10.86	173	104390	49.166	ug/l	98
73) Isopropylbenzene	11.02	105	559081	53.069	ug/l	100
74) N-amyl acetate	10.90	43	277071	53.078	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	189535	48.766	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	219714	60.171	ug/l	86
77) Bromobenzene	11.26	156	147818	50.347	ug/l	99
78) n-propylbenzene	11.36	91	643512	53.420	ug/l	100
79) 2-Chlorotoluene	11.42	91	382356	51.192	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	477443	52.978	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53215	47.619	ug/l	96
82) 4-Chlorotoluene	11.51	91	452849	51.418	ug/l	100
83) tert-Butylbenzene	11.77	119	472947	52.647	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	492070	53.874	ug/l	100
85) sec-Butylbenzene	11.94	105	567717	52.962	ug/l	100
86) p-Isopropyltoluene	12.07	119	511553	53.384	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	274256	49.675	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	276560	47.989	ug/l	100
89) n-Butylbenzene	12.39	91	449898	52.007	ug/l	100
90) Hexachloroethane	12.60	117	84121	50.899	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	273608	48.983	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47548	50.596	ug/l	98

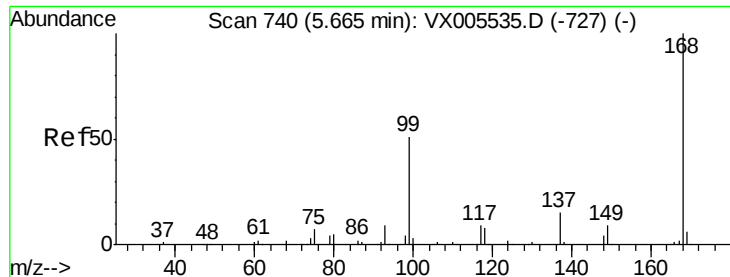
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\
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QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	209702	51.789	ug/l	99
94) Hexachlorobutadiene	13.79	225	98246	46.821	ug/l	100
95) Naphthalene	13.83	128	648472	55.096	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	212479	51.766	ug/l	100

(#) = 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: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

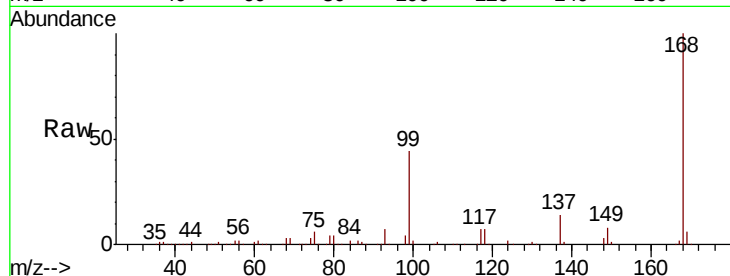
VSTDCCC050EC

Tot Ion:168 Resp: 240501

Ion Ratio Lower Upper

168 100

99 44.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

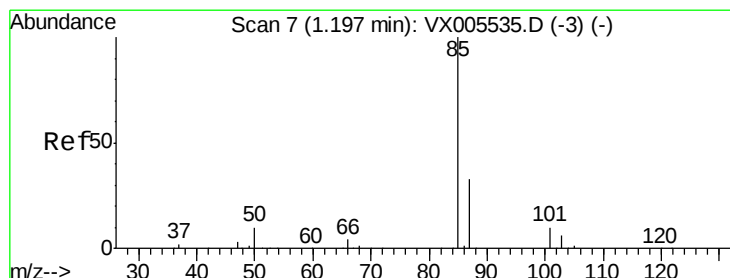
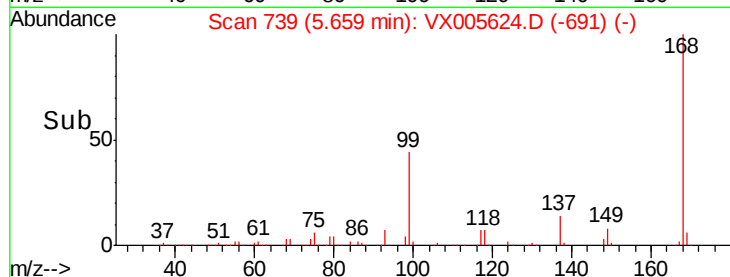
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 60.014 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005624.D

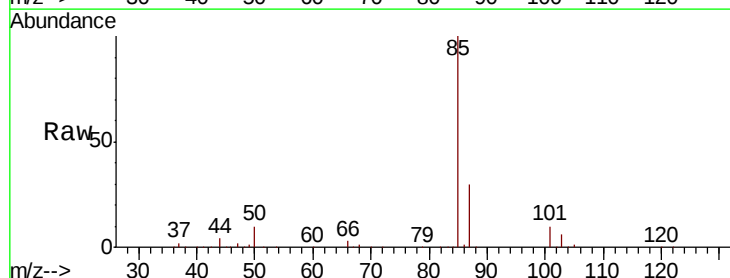
Acq: 26 Oct 2018 23:48

Tgt Ion: 85 Resp: 142464

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

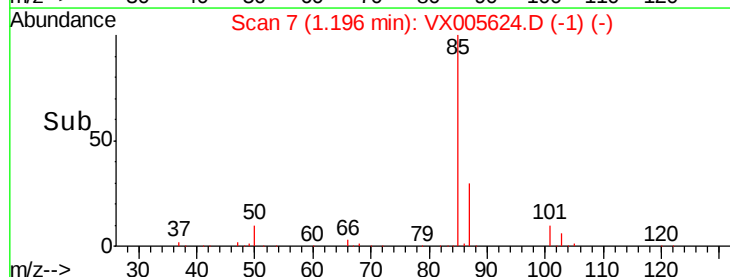
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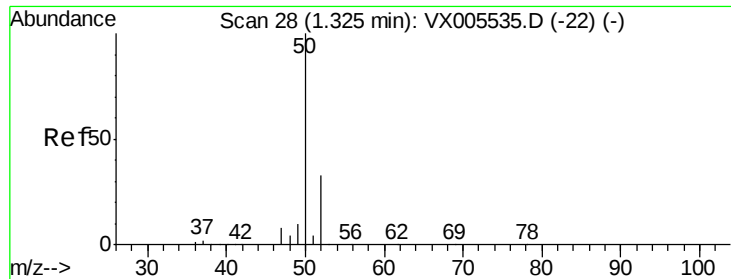
100000

50000

0

Time--> 1.15 1.20 1.25 1.30 1.35





#3

Chloromethane

Concen: 49.400 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

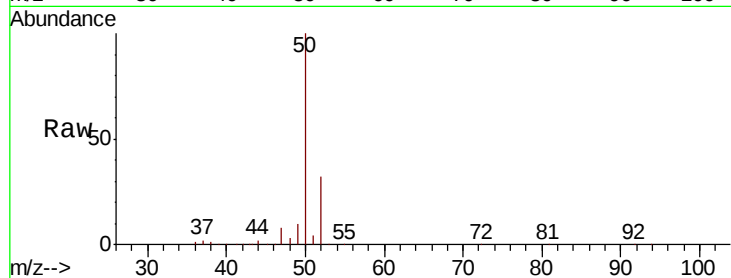
VSTDCCC050EC

Tot Ion: 50 Resp: 149343

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150000

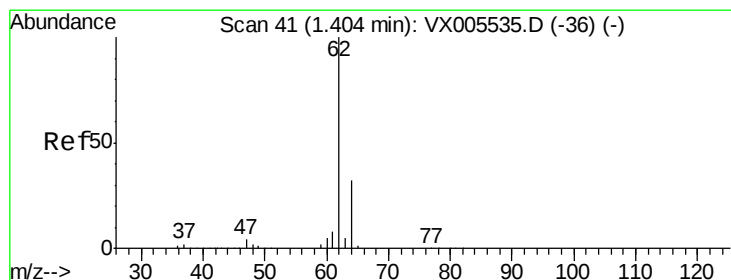
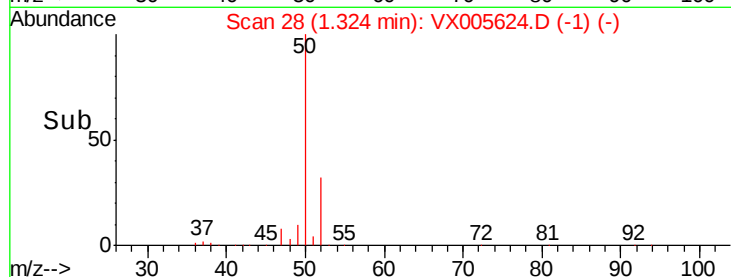
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 49.478 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005624.D

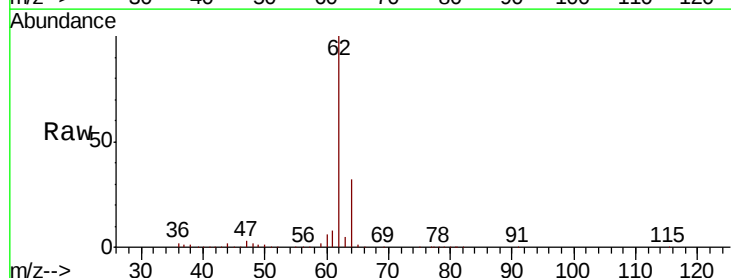
Acq: 26 Oct 2018 23:48

Tgt Ion: 62 Resp: 147077

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

150000

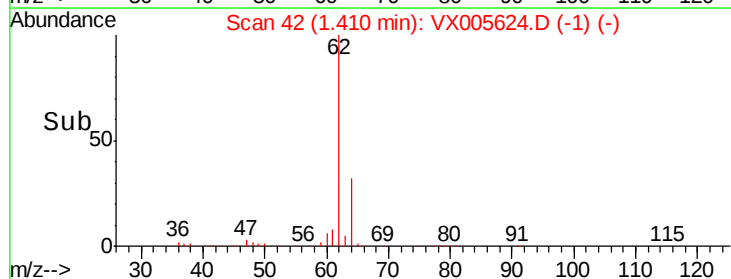
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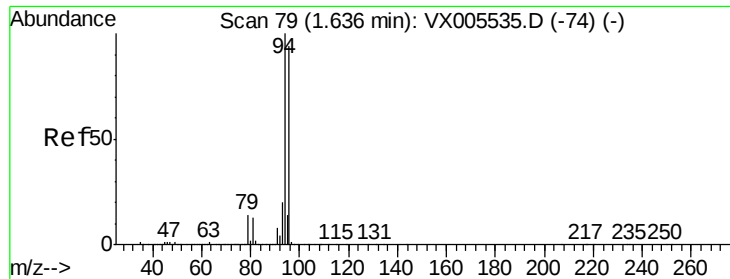
50000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 49.338 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

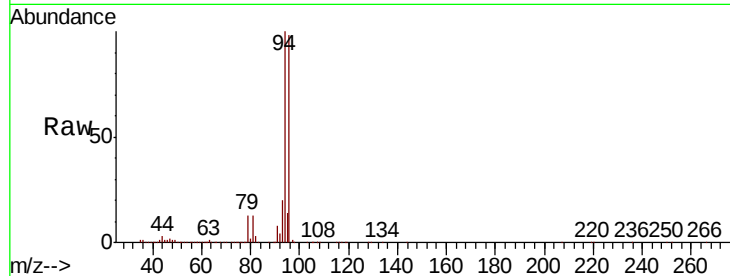
VSTDCCC050EC

Tot Ion: 94 Resp: 91259

Ion Ratio Lower Upper

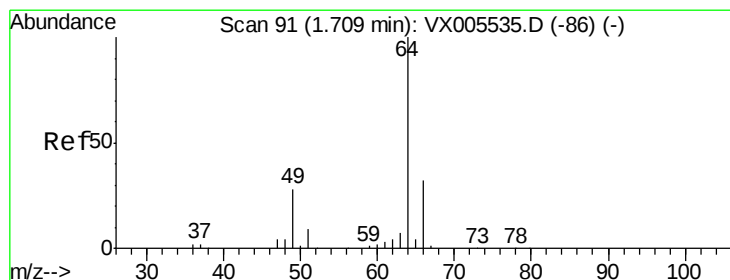
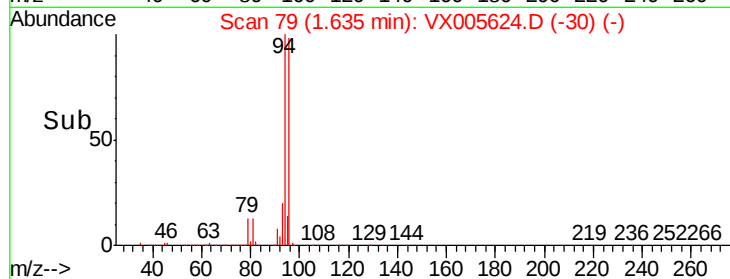
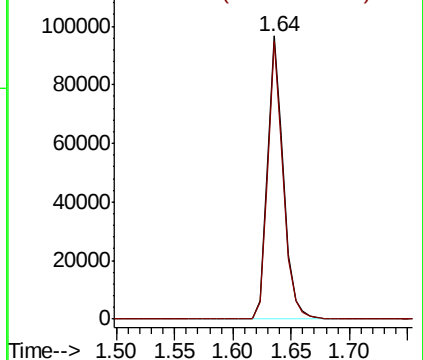
94 100

96 98.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.253 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005624.D

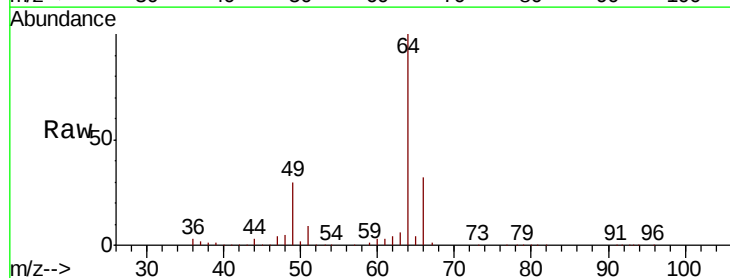
Acq: 26 Oct 2018 23:48

Tgt Ion: 64 Resp: 93529

Ion Ratio Lower Upper

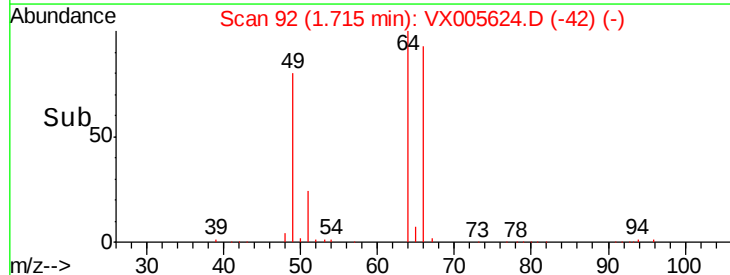
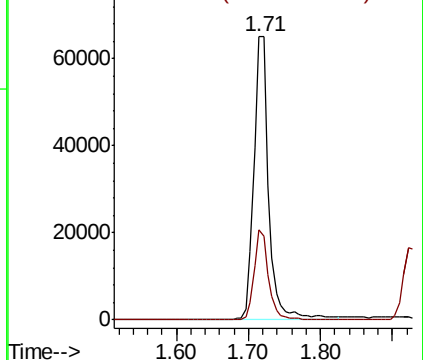
64 100

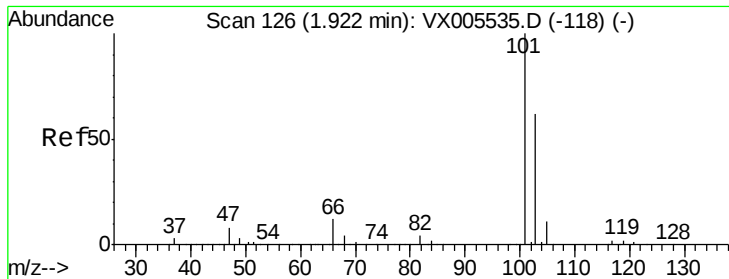
66 31.9 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



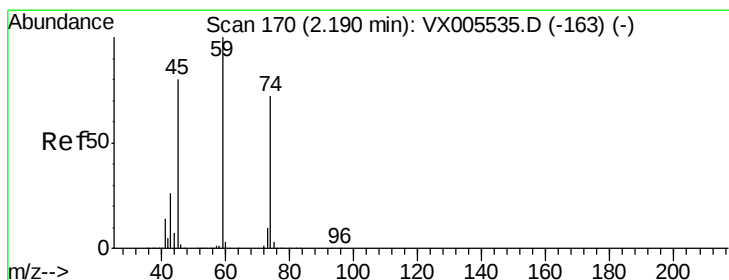
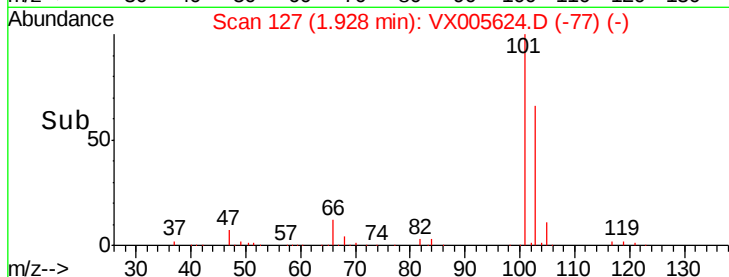
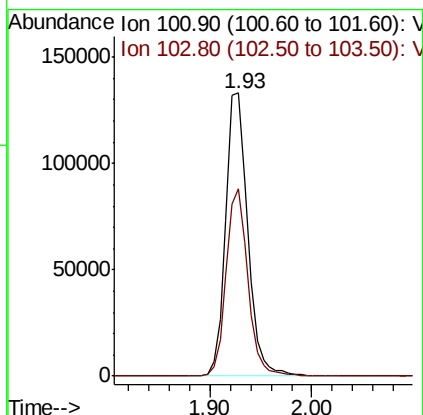
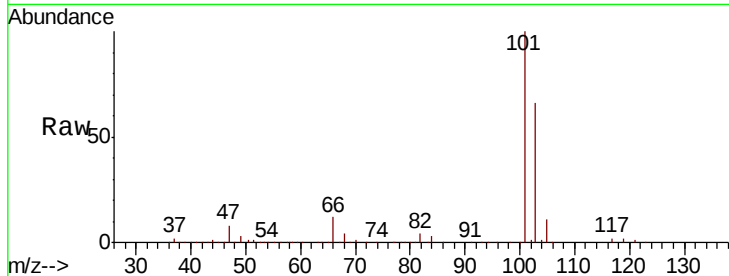


#7

Trichlorofluoromethane
 Concen: 48.406 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

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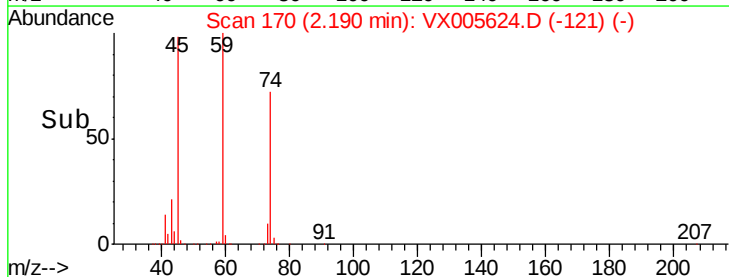
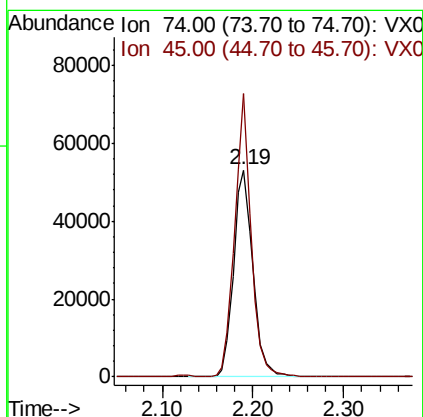
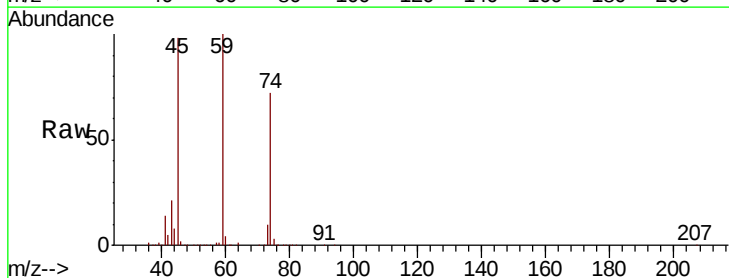
Tot Ion:101 Resp: 199939
 Ion Ratio Lower Upper
 101 100
 103 66.0 50.0 75.0

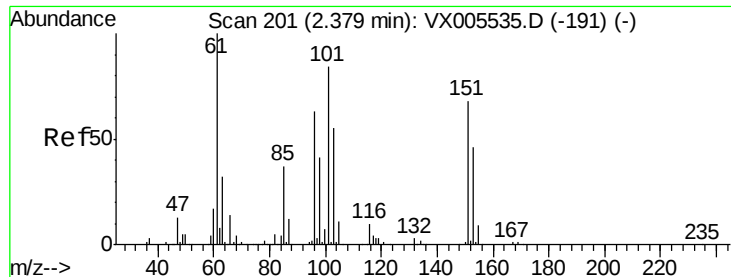


#8

Diethyl Ether
 Concen: 47.360 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion: 74 Resp: 78066
 Ion Ratio Lower Upper
 74 100
 45 115.5 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.699 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

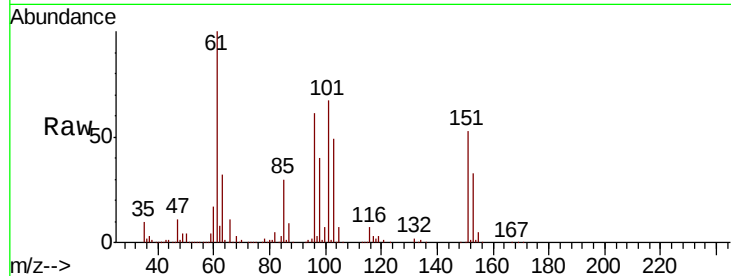
Tot Ion:101 Resp: 110671

Ion Ratio Lower Upper

101 100

85 44.9 35.0 52.4

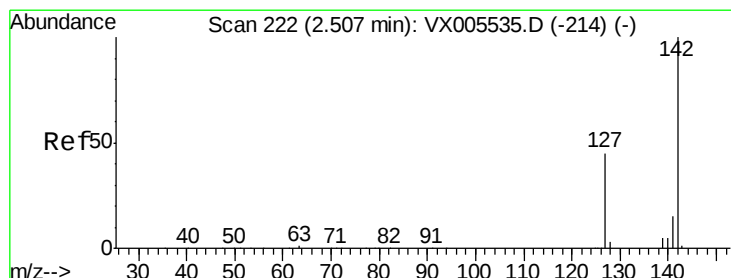
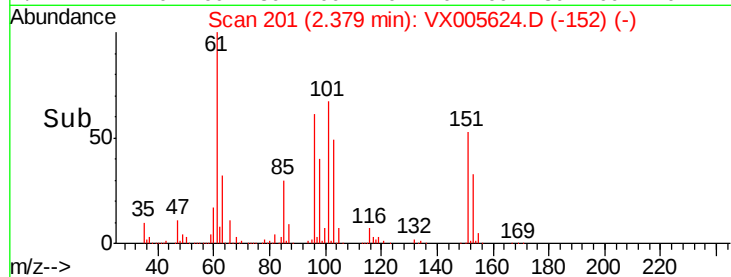
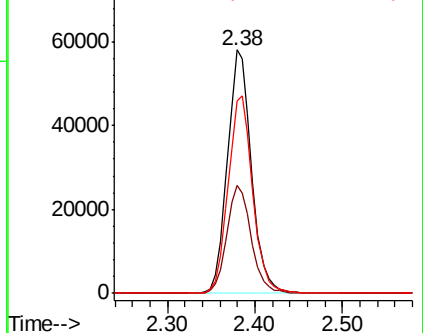
151 82.9 66.2 99.2



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: 52.121 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

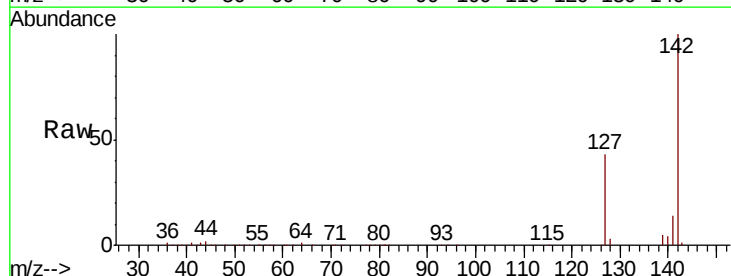
Tgt Ion:142 Resp: 129304

Ion Ratio Lower Upper

142 100

127 44.1 36.0 54.0

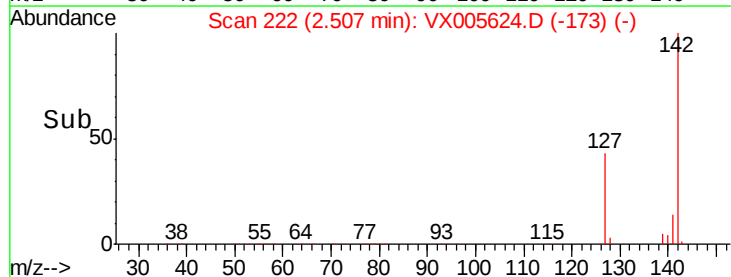
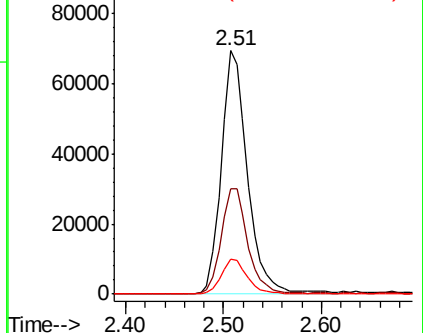
141 14.3 11.7 17.5

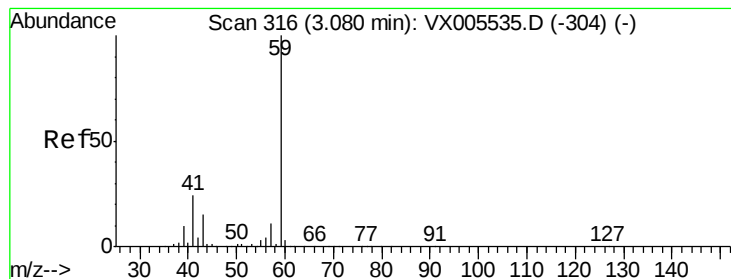


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



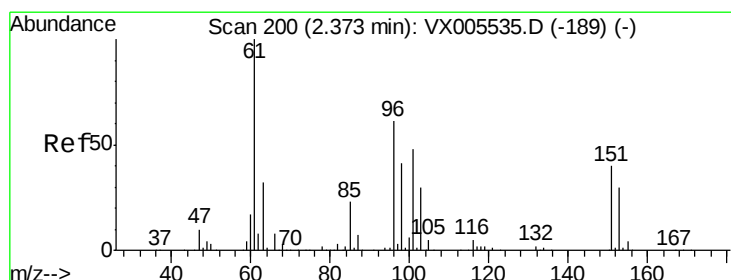
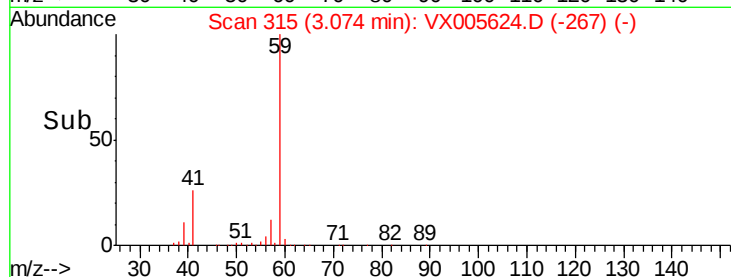
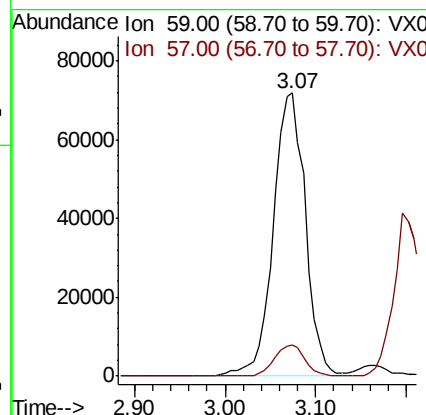
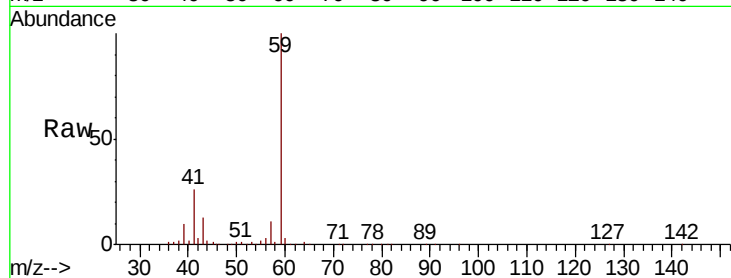


#11

Tert butyl alcohol
Concen: 222.858 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

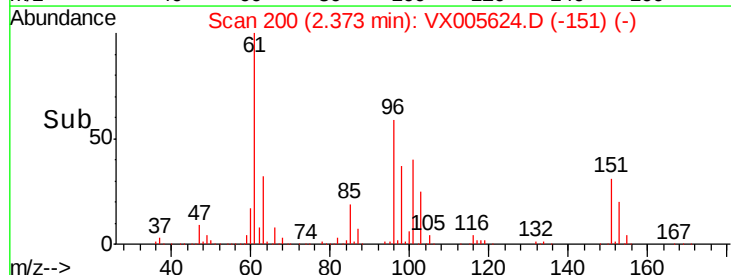
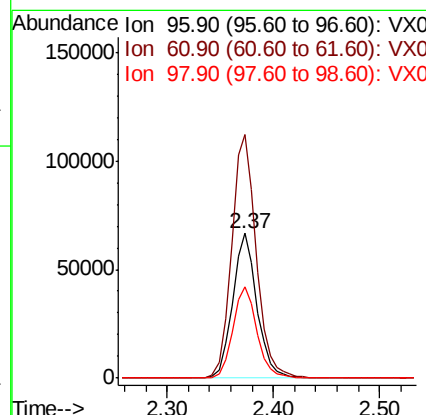
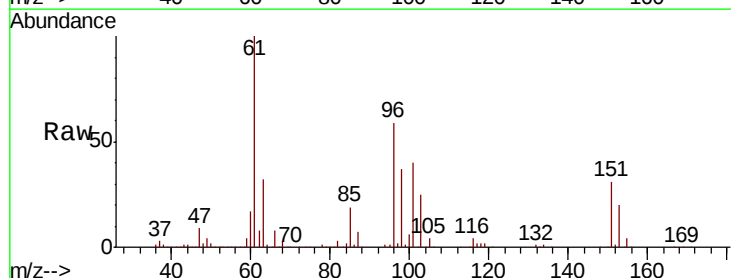
Tot Ion: 59 Resp: 176060
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

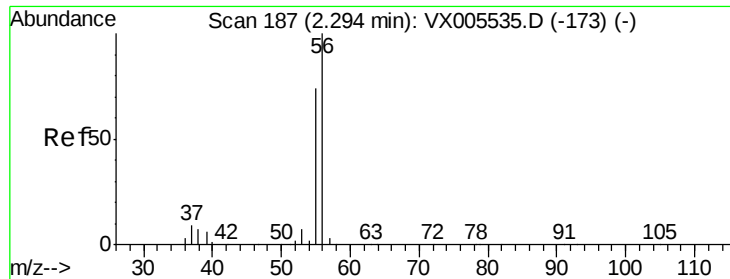


#12

1,1-Dichloroethene
Concen: 47.253 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 96 Resp: 106677
Ion Ratio Lower Upper
96 100
61 168.3 131.8 197.8
98 62.9 53.4 80.2





#13

Acrolein

Concen: 207.273 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

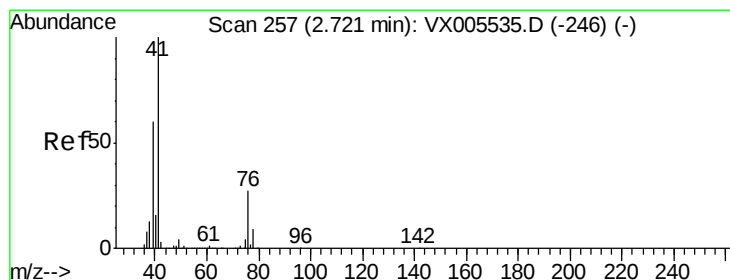
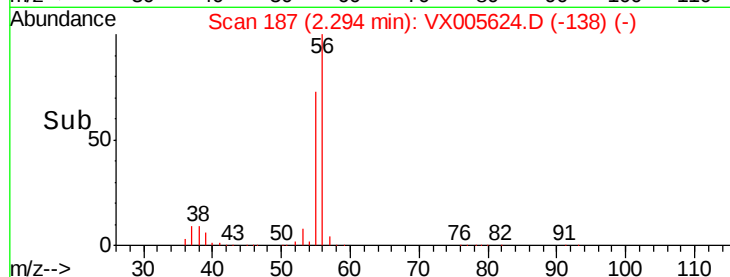
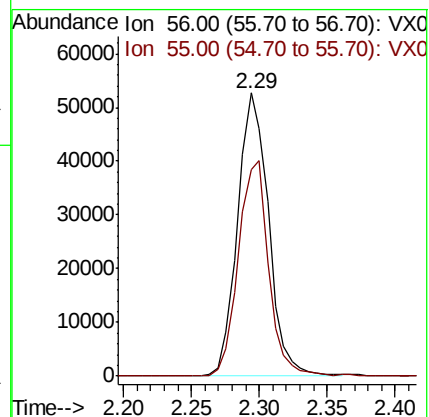
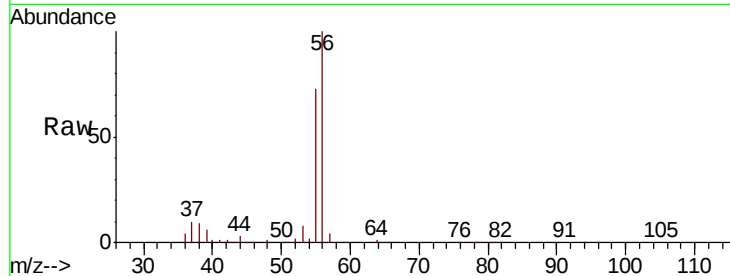
VSTDCCC050EC

Tot Ion: 56 Resp: 83529

Ion Ratio Lower Upper

56 100

55 75.0 57.3 85.9



#14

Allyl chloride

Concen: 46.220 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

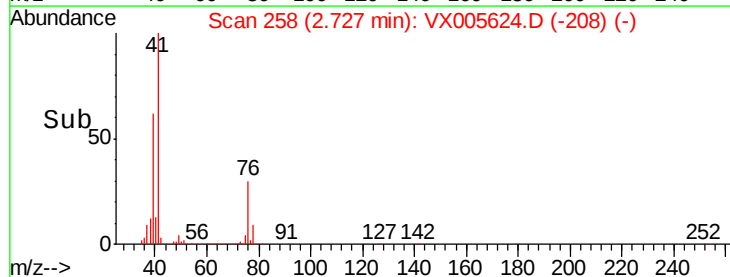
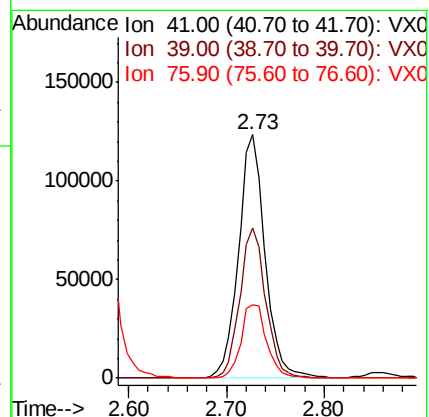
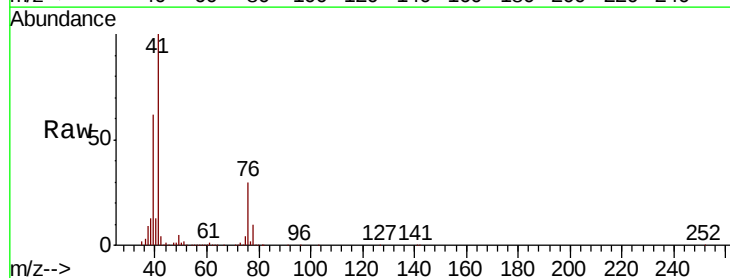
Tgt Ion: 41 Resp: 232880

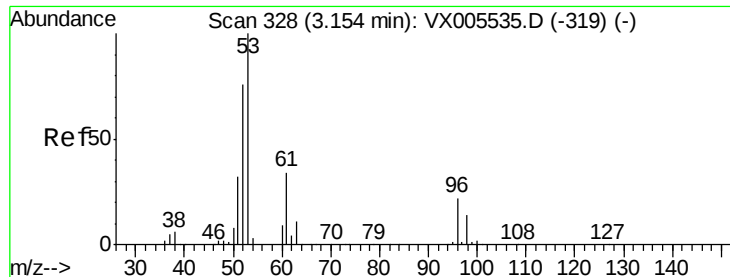
Ion Ratio Lower Upper

41 100

39 60.2 48.2 72.4

76 29.3 21.9 32.9





#15

Acrylonitrile

Concen: 231.562 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

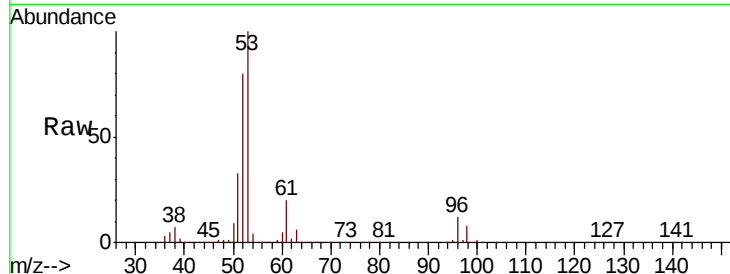
Tot Ion: 53 Resp: 410212

Ion Ratio Lower Upper

53 100

52 82.8 66.6 99.8

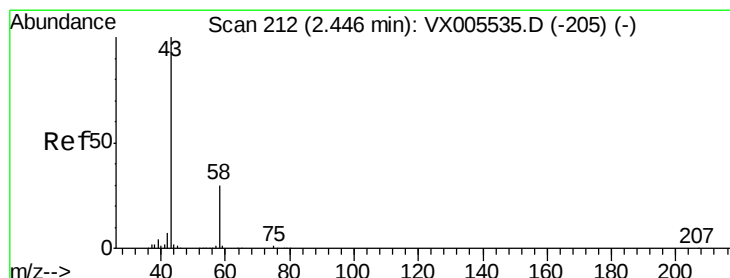
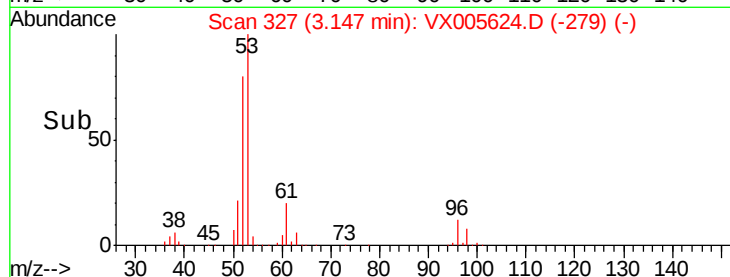
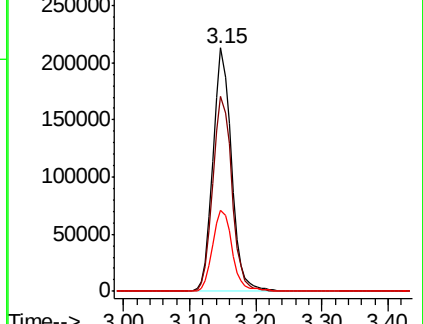
51 35.5 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 231.837 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005624.D

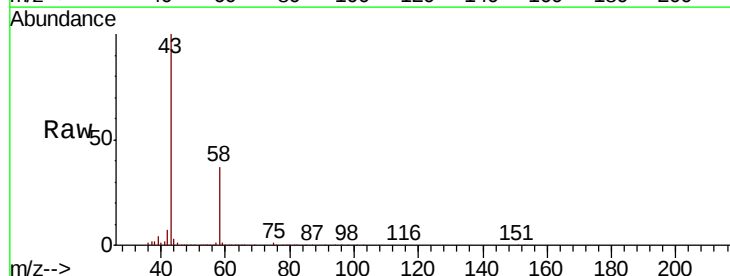
Acq: 26 Oct 2018 23:48

Tgt Ion: 43 Resp: 359650

Ion Ratio Lower Upper

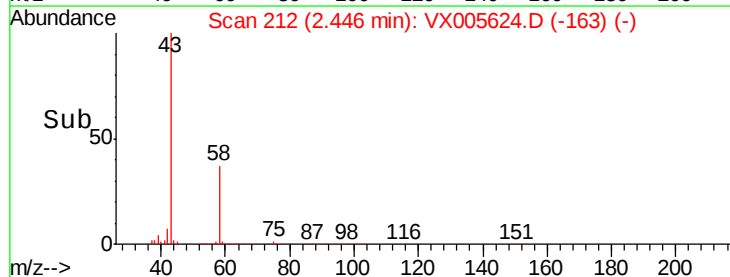
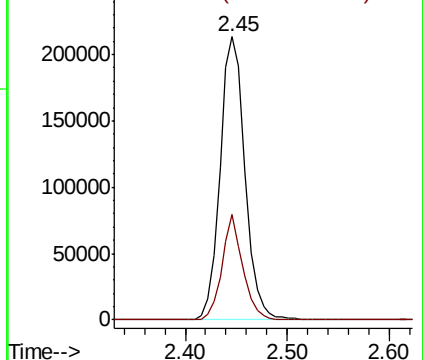
43 100

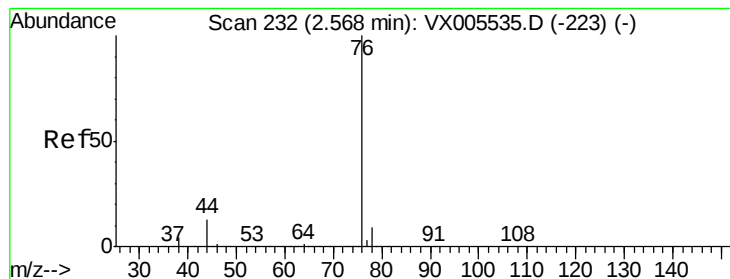
58 37.2 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 47.262 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

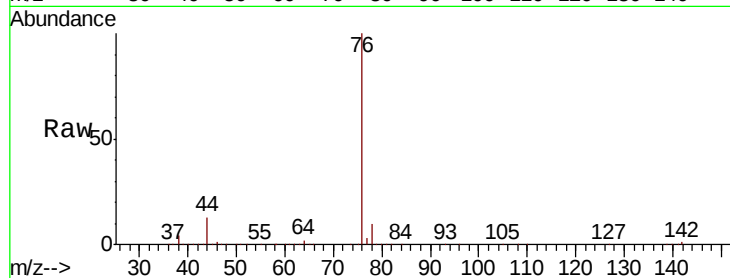
VSTDCCC050EC

Tot Ion: 76 Resp: 325252

Ion Ratio Lower Upper

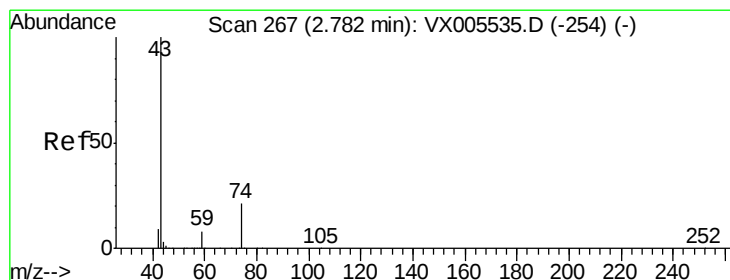
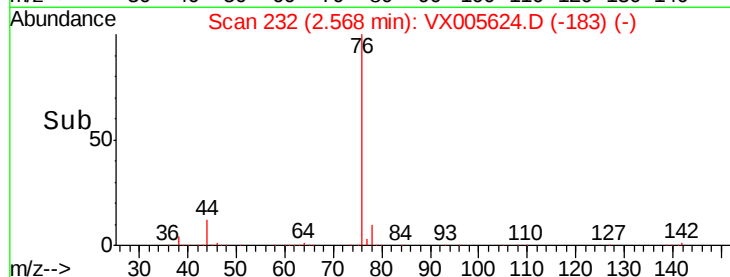
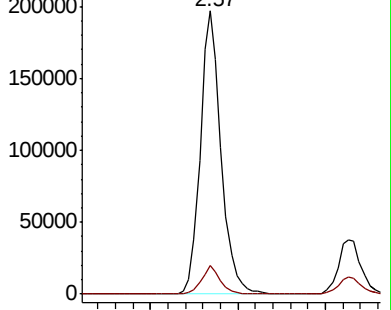
76 100

78 10.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 50.364 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005624.D

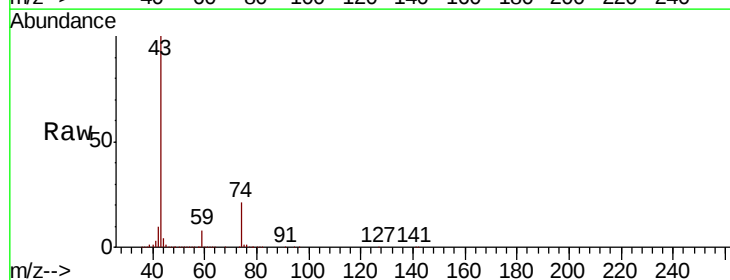
Acq: 26 Oct 2018 23:48

Tgt Ion: 43 Resp: 192969

Ion Ratio Lower Upper

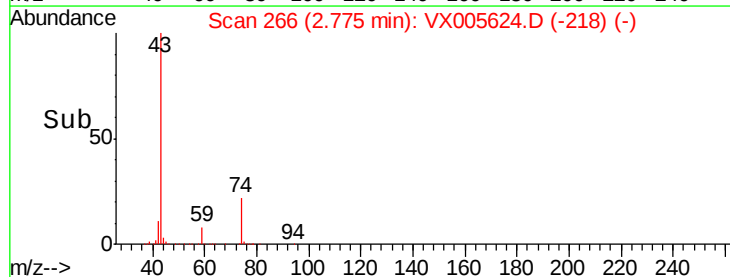
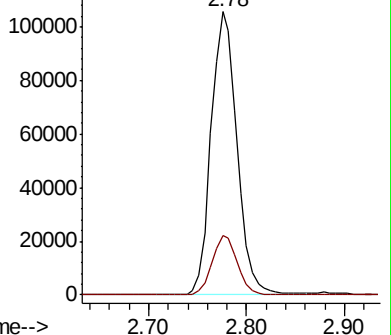
43 100

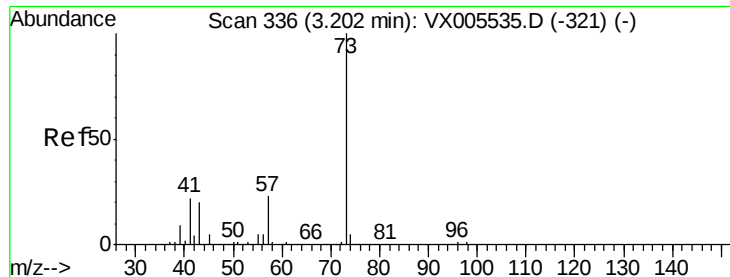
74 21.0 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

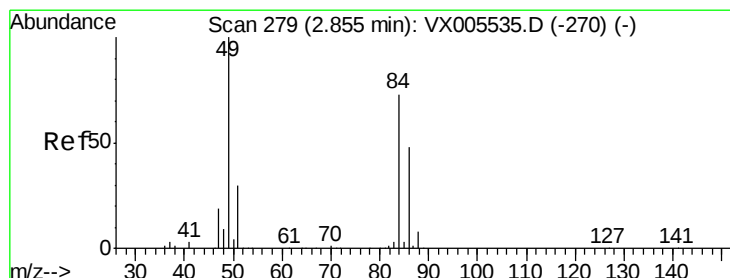
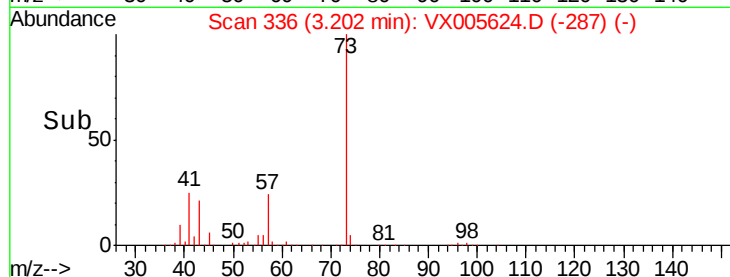
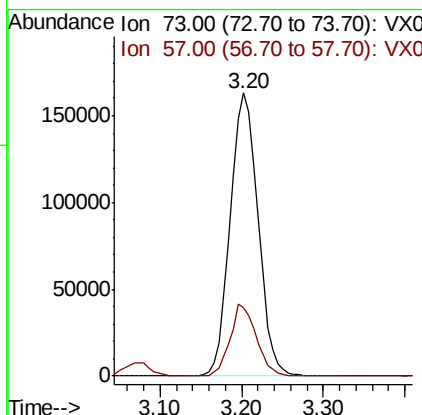
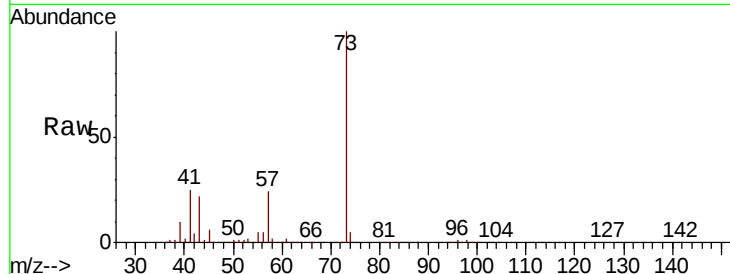




#19
Methyl tert-butyl Ether
Concen: 47.650 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

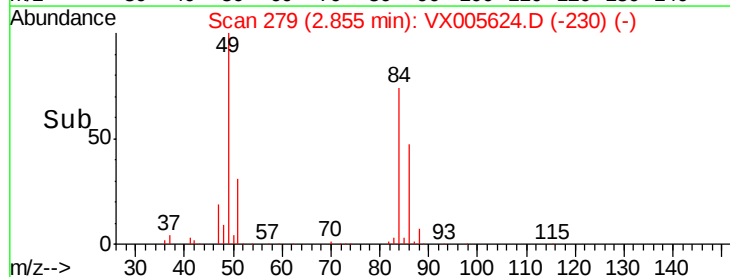
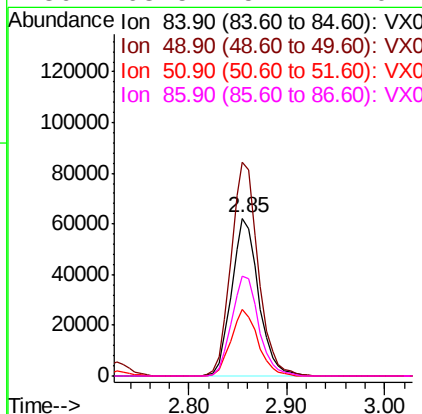
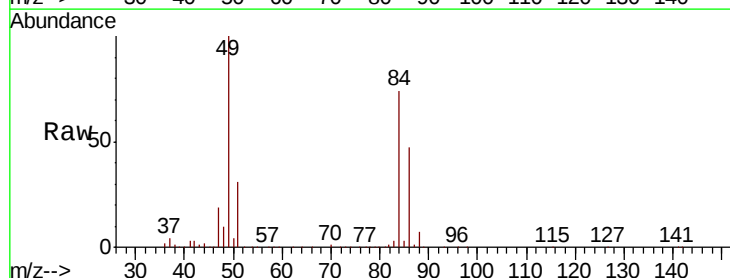
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

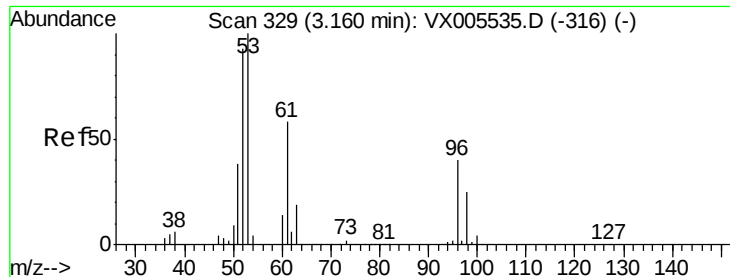
Tot Ion: 73 Resp: 383727
Ion Ratio Lower Upper
73 100
57 23.9 18.8 28.2



#20
Methylene Chloride
Concen: 45.880 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 84 Resp: 119204
Ion Ratio Lower Upper
84 100
49 135.3 109.5 164.3
51 42.1 33.3 49.9
86 63.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 45.520 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

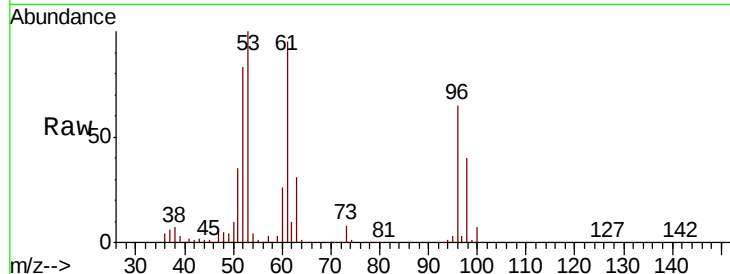
Tot Ion: 96 Resp: 112204

Ion Ratio Lower Upper

96 100

61 145.7 115.6 173.4

98 61.9 50.2 75.2

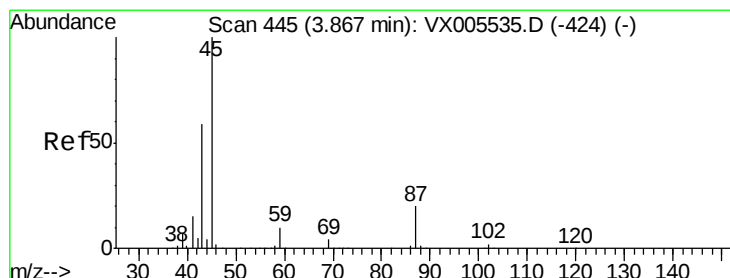
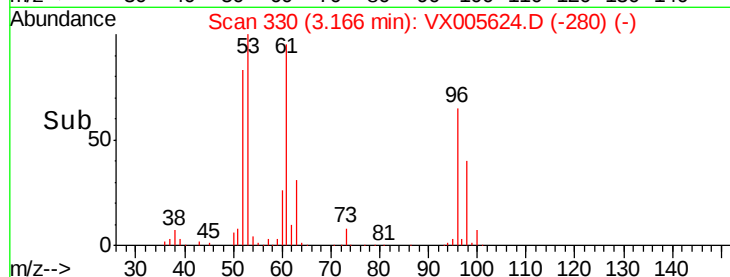
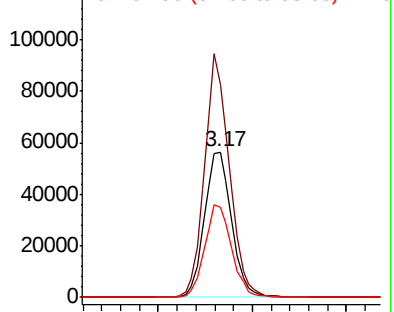


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.958 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion: 45 Resp: 430764

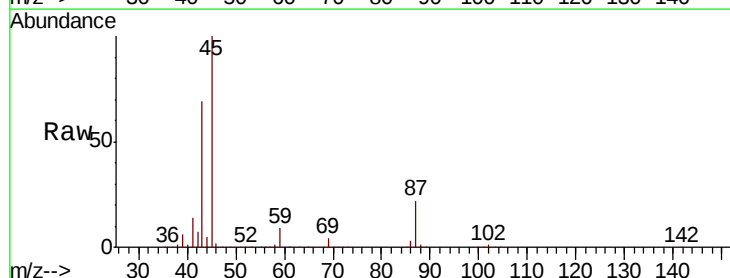
Ion Ratio Lower Upper

45 100

43 69.0 47.4 71.2

87 22.2 15.9 23.9

59 9.4 7.7 11.5



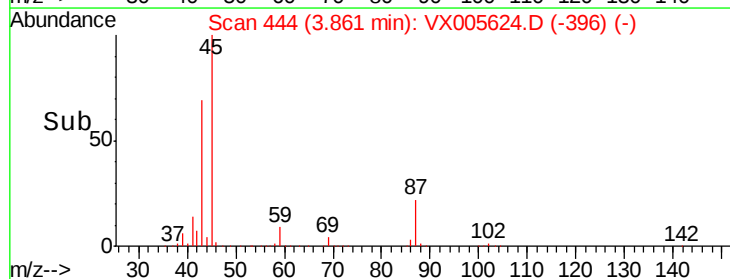
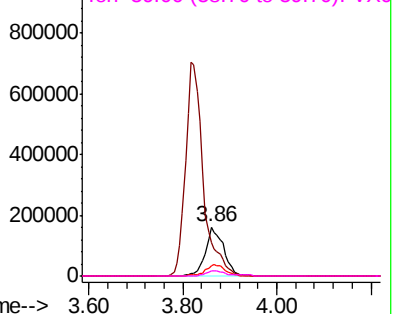
Abundance

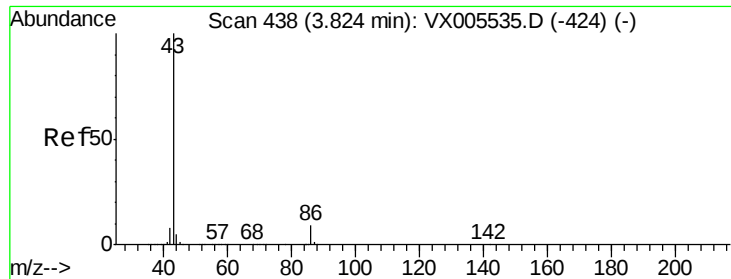
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

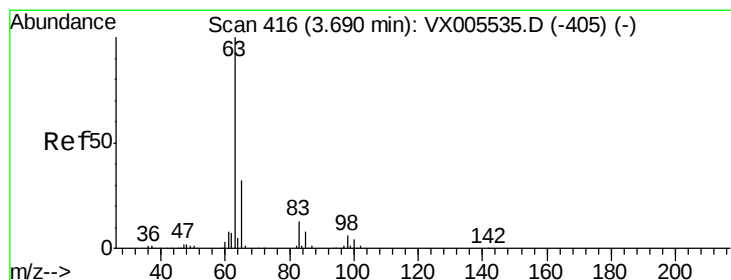
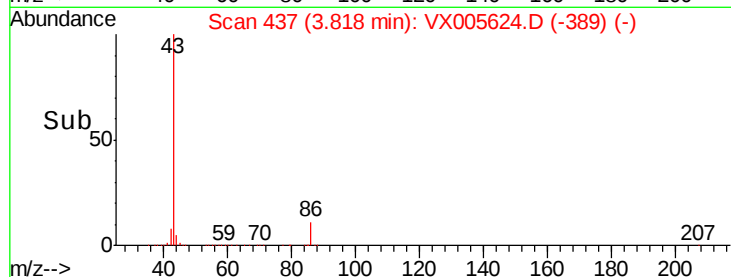
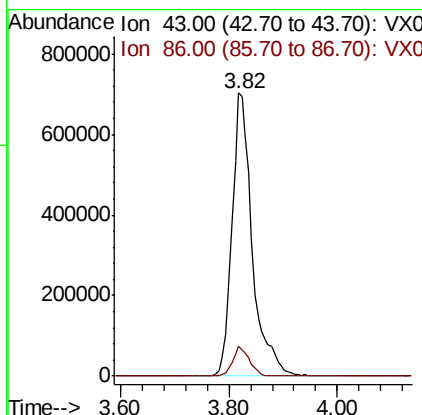
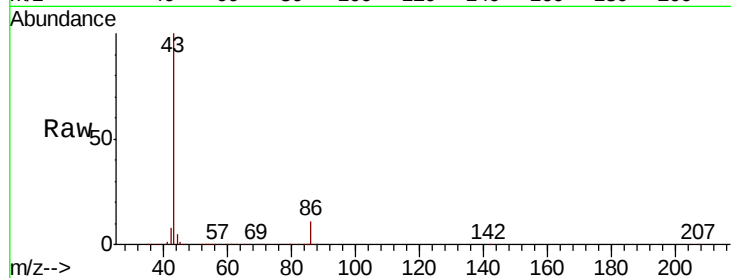




#23
 Vinyl Acetate
 Concen: 236.101 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

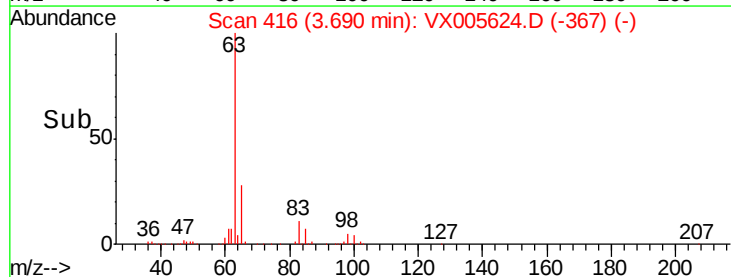
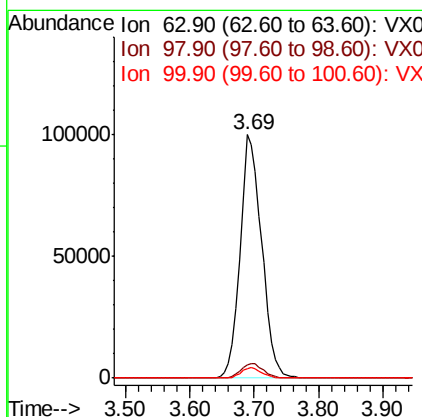
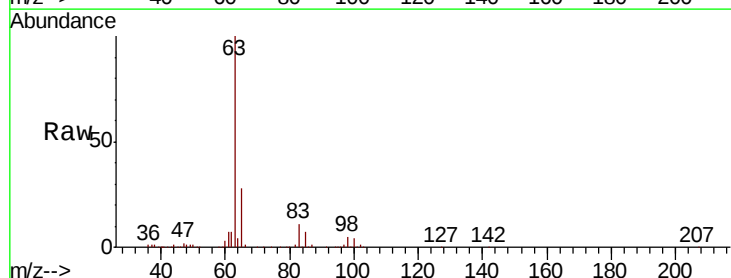
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

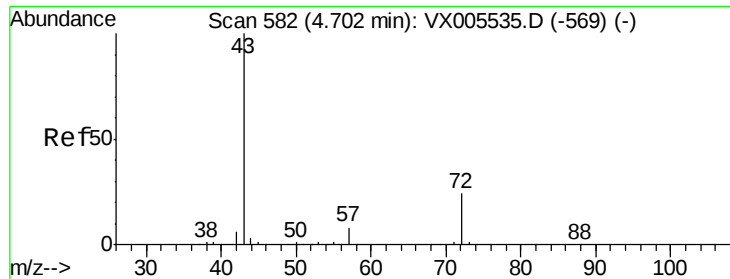
Tot Ion: 43 Resp: 1829551
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 48.114 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion: 63 Resp: 230159
 Ion Ratio Lower Upper
 63 100
 98 5.2 3.2 9.6
 100 3.7 2.1 6.2





#25

2-Butanone

Concen: 231.288 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

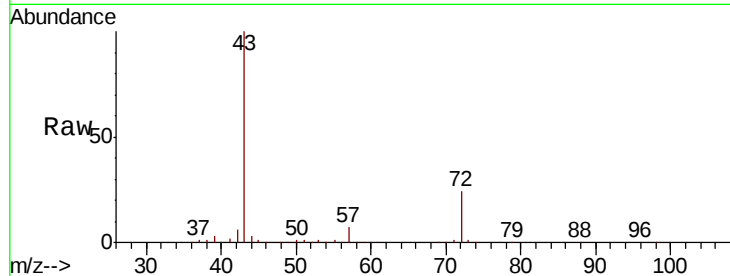
VSTDCCC050EC

Tot Ion: 43 Resp: 546377

Ion Ratio Lower Upper

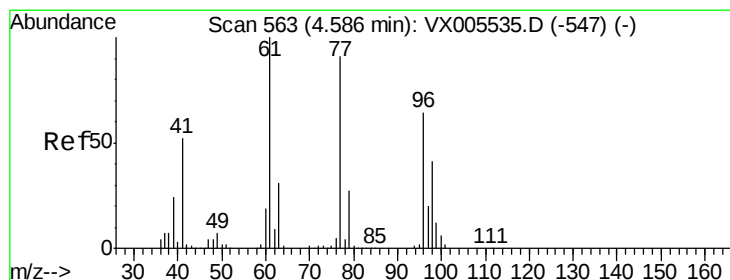
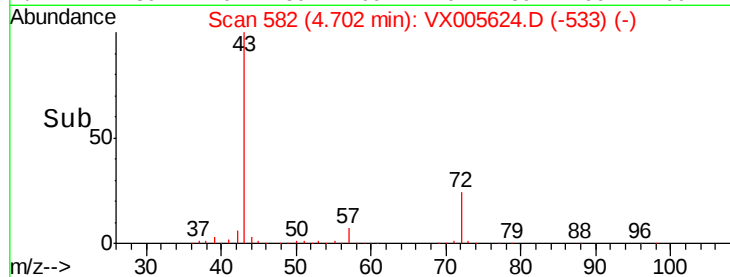
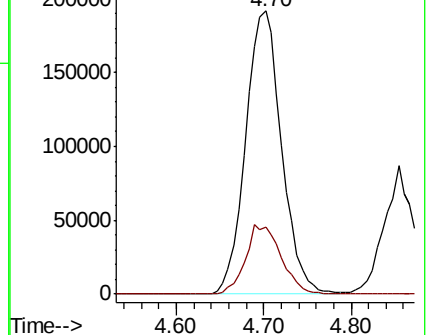
43 100

72 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 38.610 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005624.D

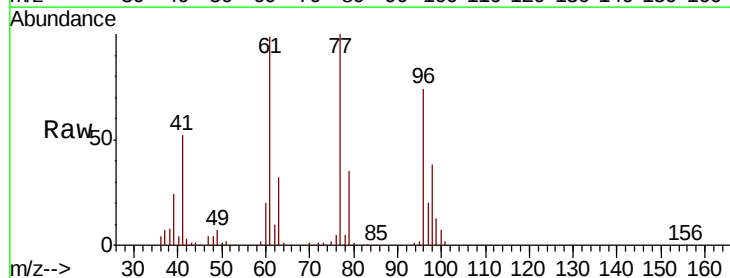
Acq: 26 Oct 2018 23:48

Tgt Ion: 77 Resp: 142592

Ion Ratio Lower Upper

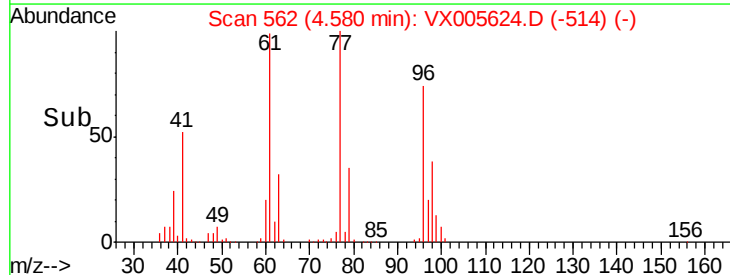
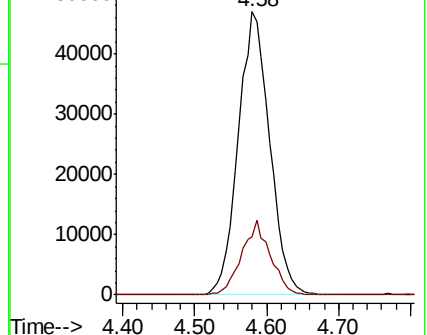
77 100

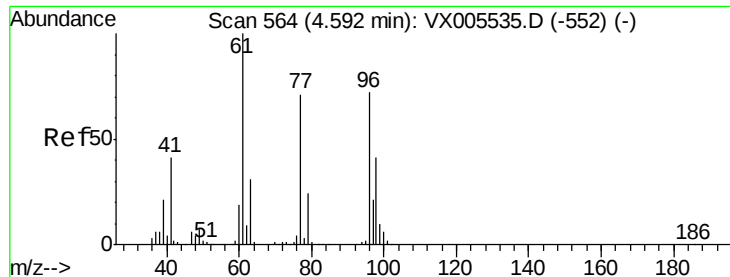
97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



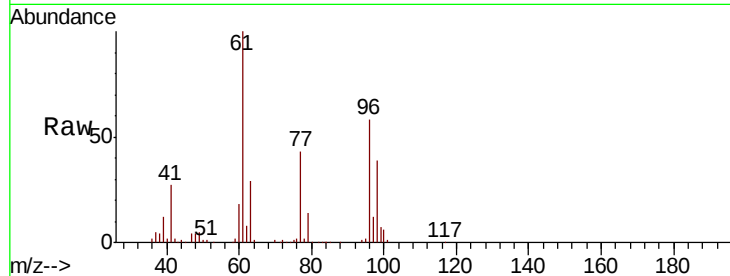


#27

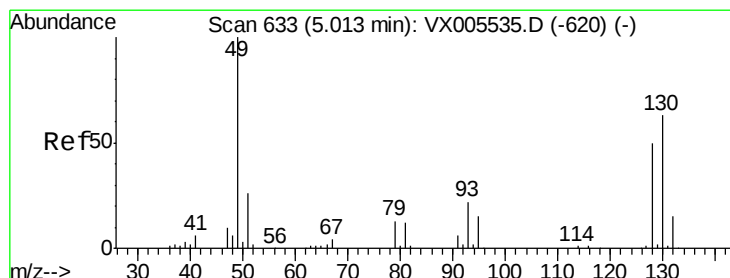
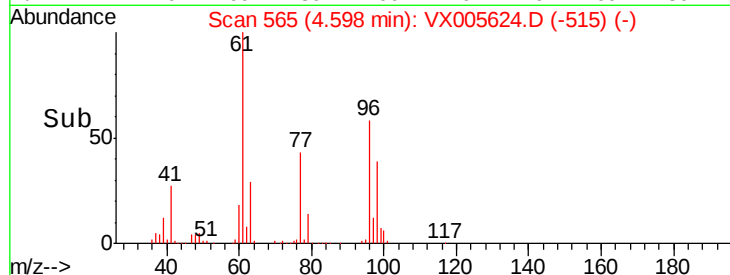
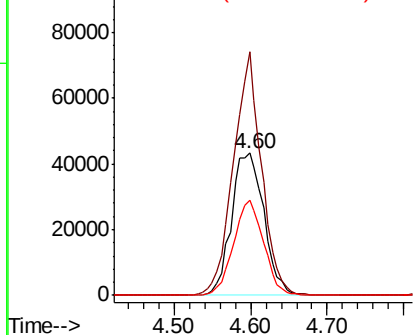
cis-1,2-Dichloroethene
Concen: 47.969 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 127472
Ion Ratio Lower Upper
96 100
61 148.3 0.0 304.6
98 61.8 0.0 127.4



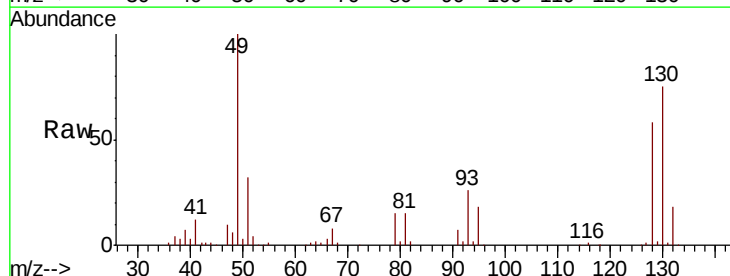
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



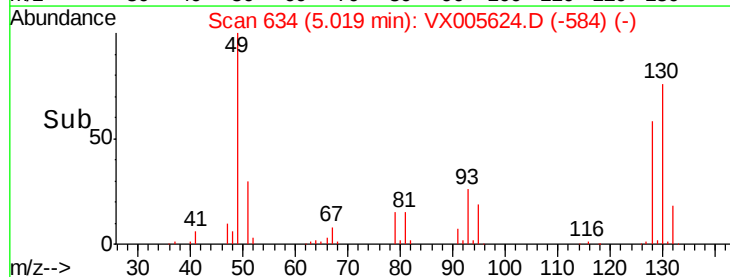
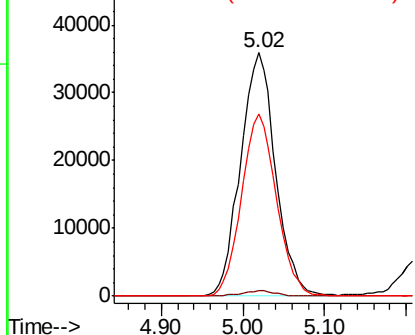
#28

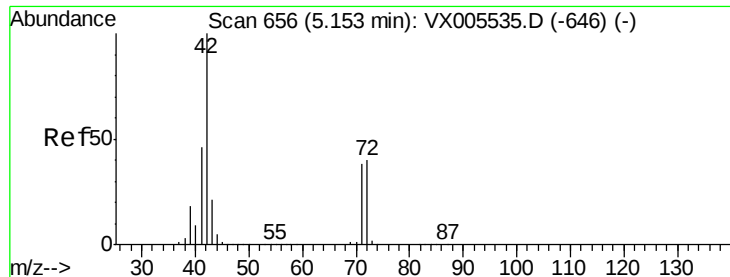
Bromochloromethane
Concen: 46.375 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 49 Resp: 107297
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 74.4 58.9 88.3



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





#29

Tetrahydrofuran

Concen: 237.335 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

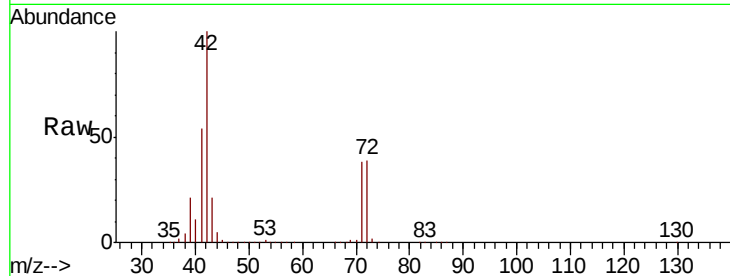
Tot Ion: 42 Resp: 364866

Ion Ratio Lower Upper

42 100

72 40.4 32.0 48.0

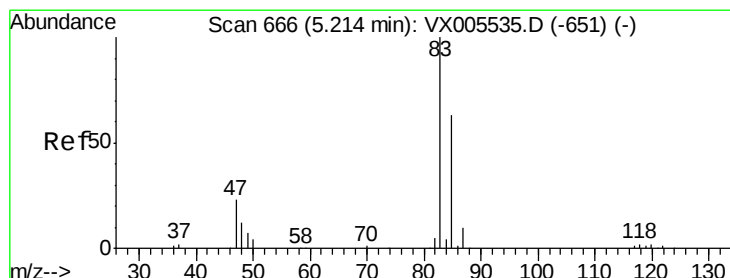
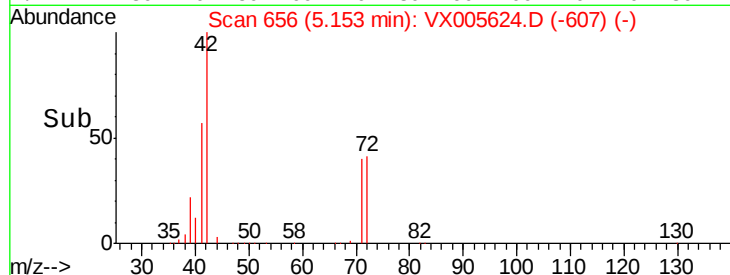
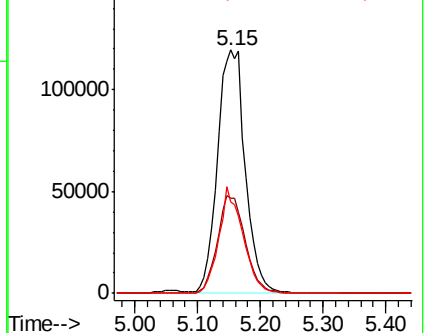
71 38.1 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 46.736 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX005624.D

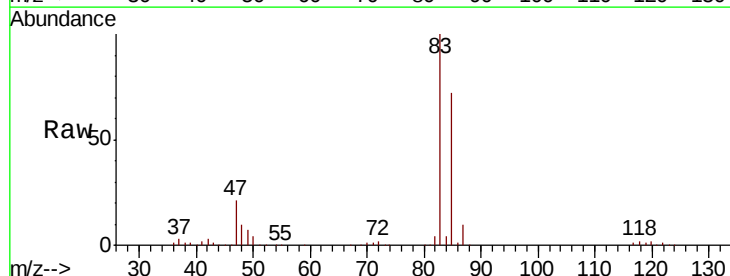
Acq: 26 Oct 2018 23:48

Tgt Ion: 83 Resp: 209126

Ion Ratio Lower Upper

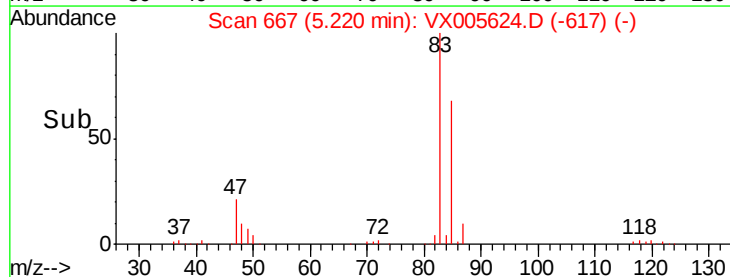
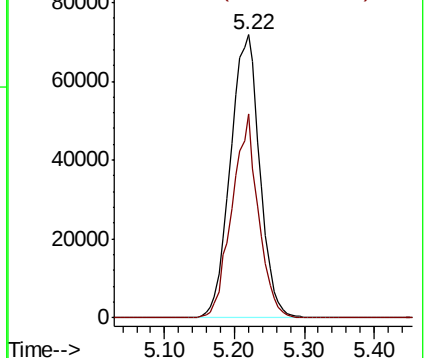
83 100

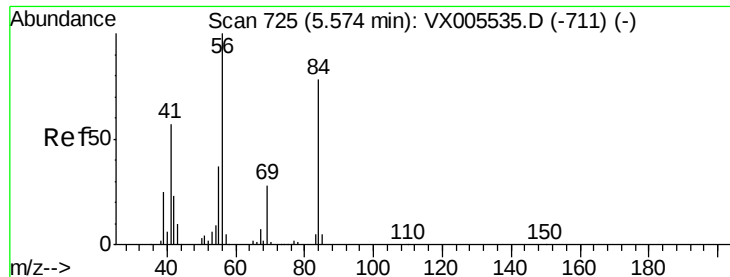
85 72.1 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

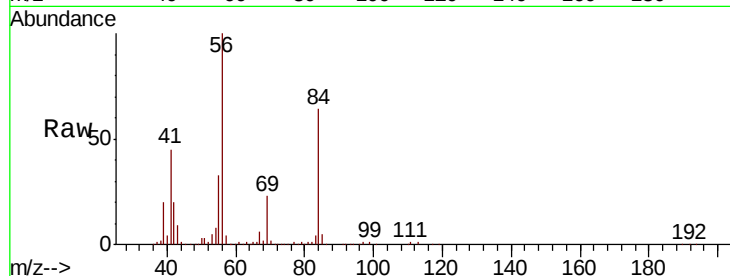




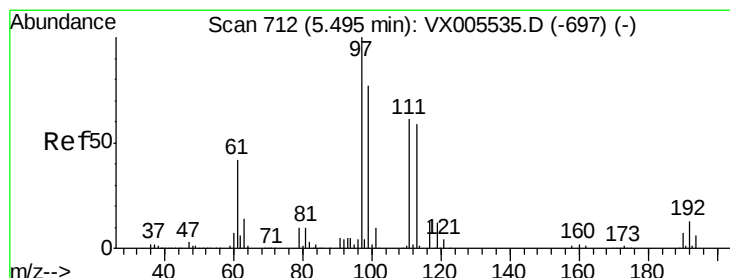
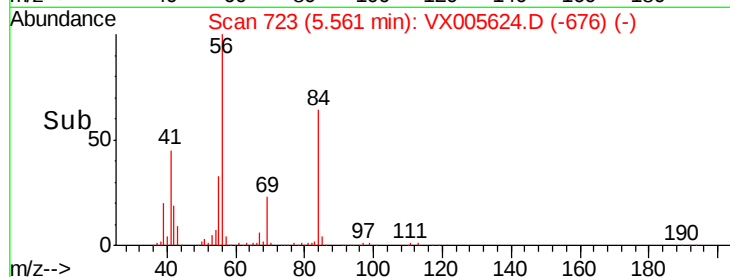
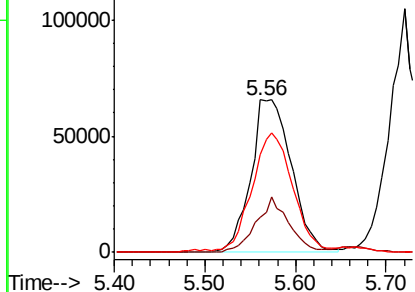
#31
Cyclohexane
Concen: 51.525 ug/l
RT: 5.56 min Scan# 723
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 203935
Ion Ratio Lower Upper
56 100
69 23.2 22.6 34.0
84 62.5 62.7 94.1#

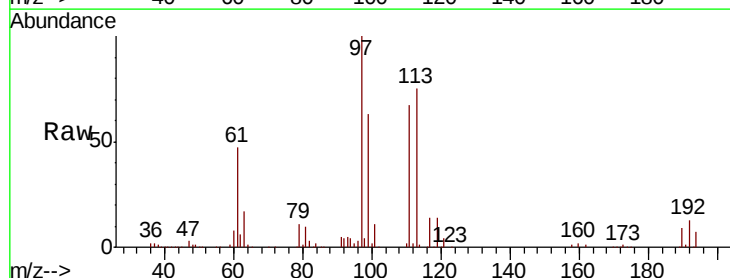


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

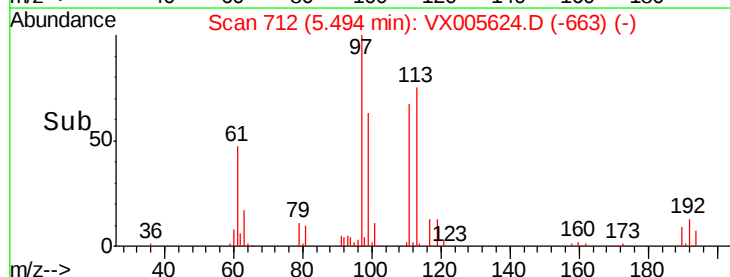
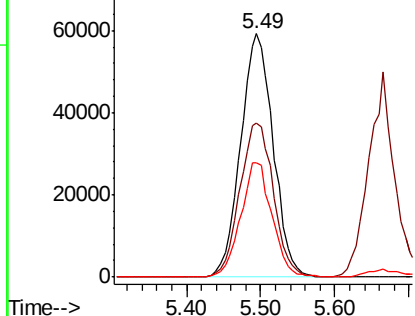


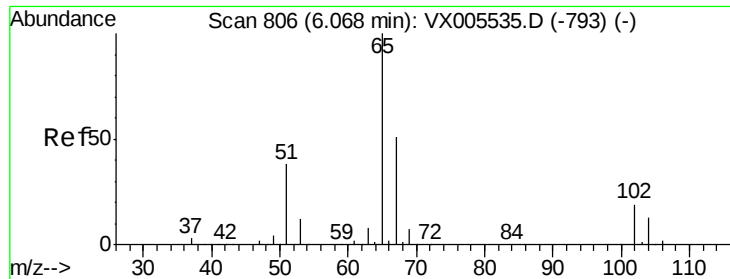
#32
1,1,1-Trichloroethane
Concen: 46.057 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 97 Resp: 181895
Ion Ratio Lower Upper
97 100
99 65.3 52.3 78.5
61 45.3 35.2 52.8



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





#33

1,2-Dichloroethane-d4

Concen: 46.950 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

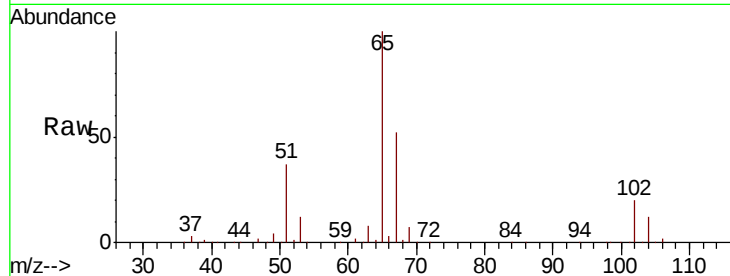
VSTDCCC050EC

Tot Ion: 65 Resp: 137836

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.0

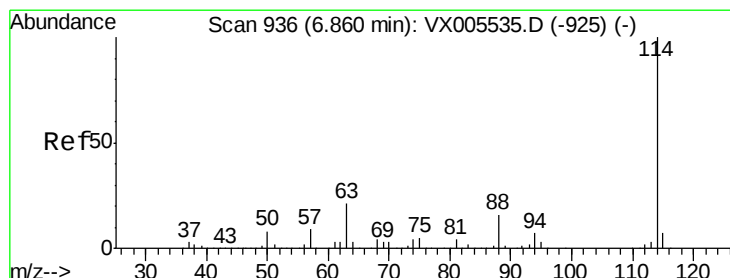
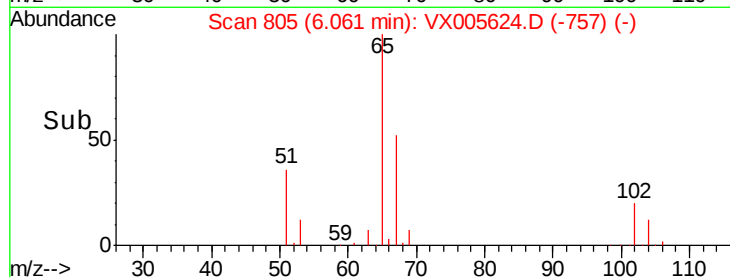


Abundance Ion 64.90 (64.60 to 65.60): VX005535.D (-793) (-)

Ion 66.90 (66.60 to 67.60): VX005535.D (-793) (-)

6.06

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

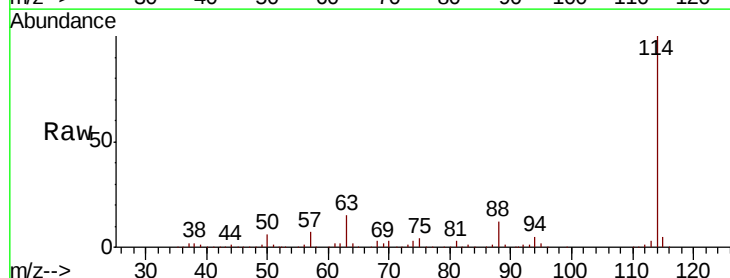
Tgt Ion: 114 Resp: 352731

Ion Ratio Lower Upper

114 100

63 15.4 0.0 42.8

88 12.3 0.0 31.2



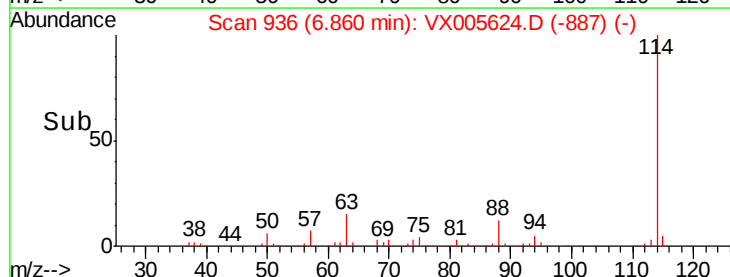
Abundance Ion 113.90 (113.60 to 114.60): VX005535.D (-925) (-)

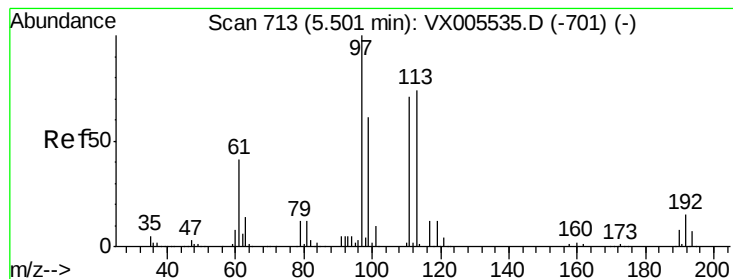
Ion 63.00 (62.70 to 63.70): VX005535.D (-925) (-)

Ion 87.90 (87.60 to 88.60): VX005535.D (-925) (-)

6.86

Time-->





#35

Dibromofluoromethane

Concen: 49.166 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

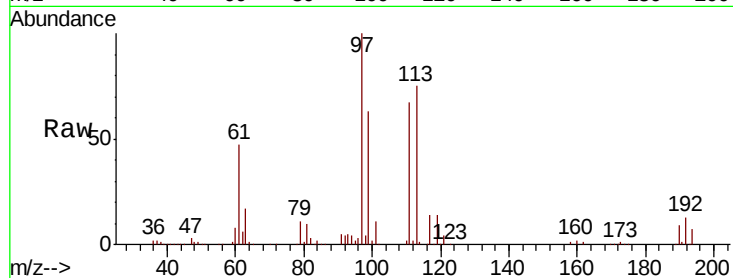
Tot Ion:113 Resp: 117428

Ion Ratio Lower Upper

113 100

111 99.2 82.3 123.5

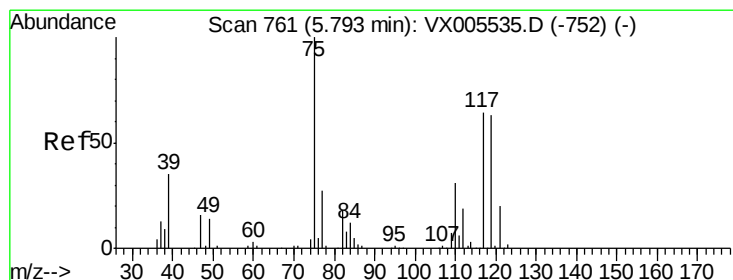
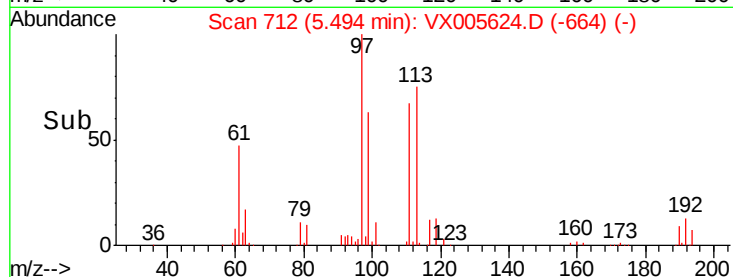
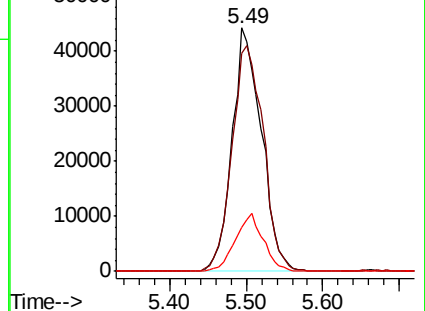
192 22.5 17.9 26.9



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: 48.694 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

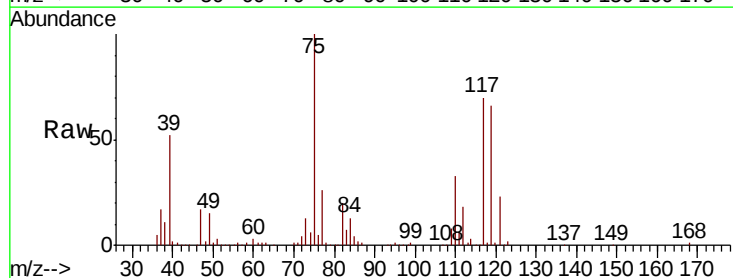
Tgt Ion: 75 Resp: 166683

Ion Ratio Lower Upper

75 100

110 34.5 17.4 52.2

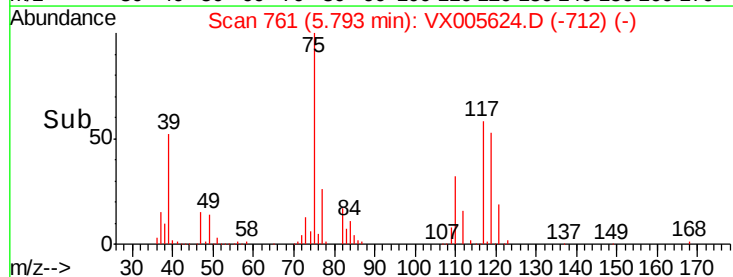
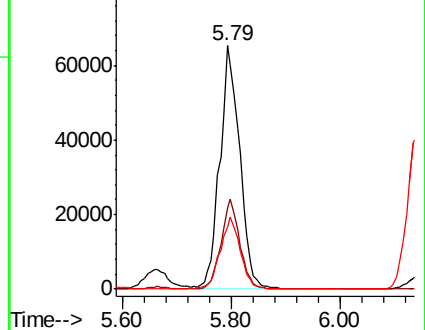
77 30.1 25.8 38.6

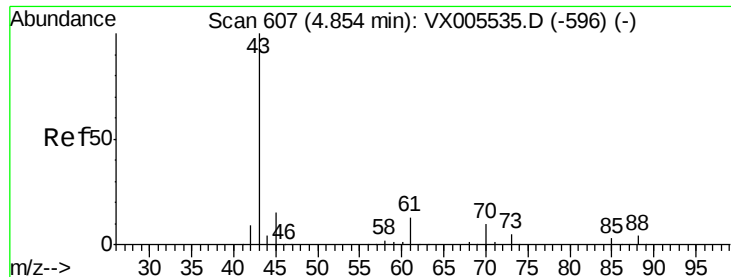


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

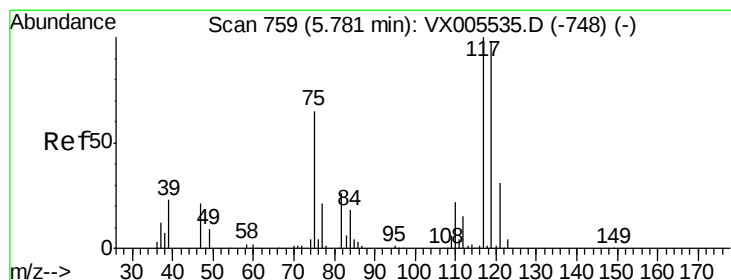
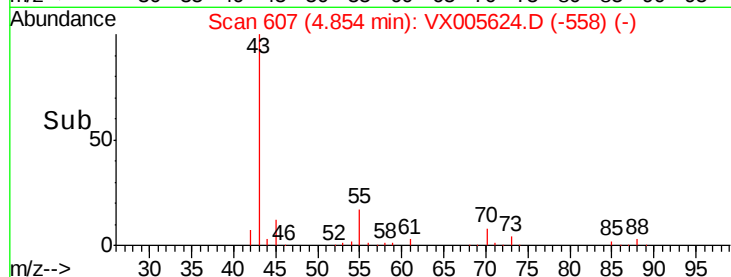
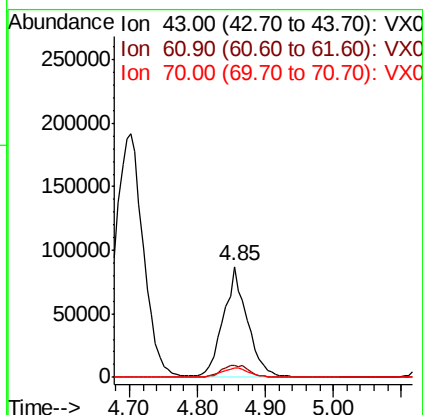
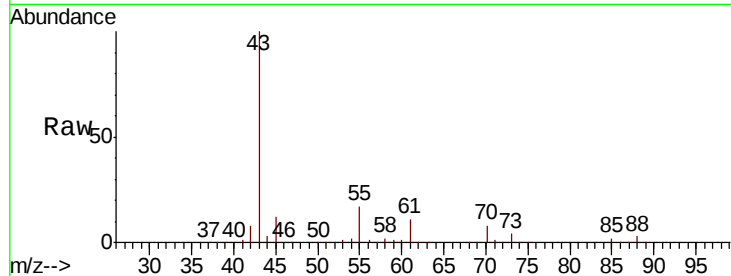




#37
Ethyl Acetate
Concen: 48.863 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

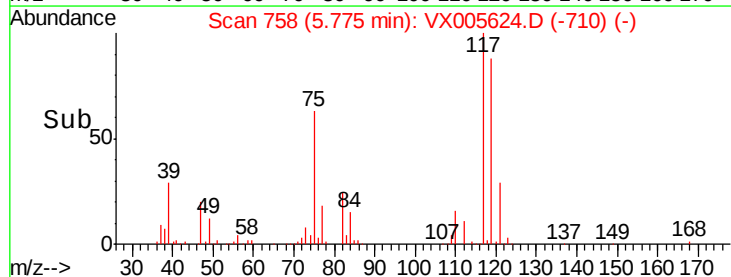
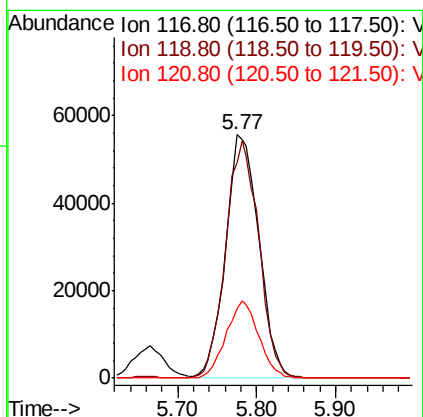
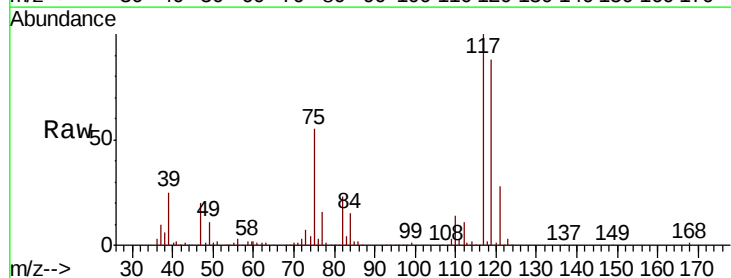
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

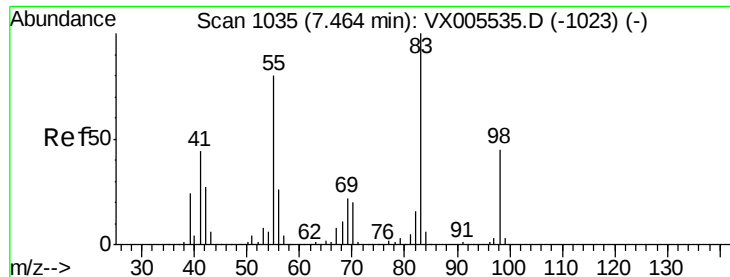
Tot Ion: 43 Resp: 213443
Ion Ratio Lower Upper
43 100
61 13.2 10.8 16.2
70 9.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 45.582 ug/l
RT: 5.77 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 117 Resp: 164337
Ion Ratio Lower Upper
117 100
119 88.2 78.1 117.1
121 28.5 24.6 36.8

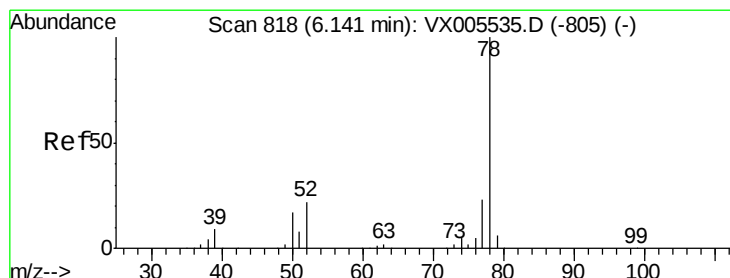
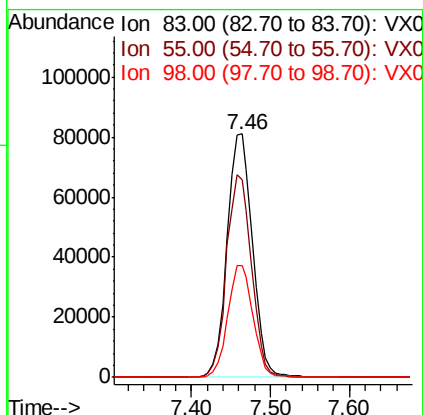
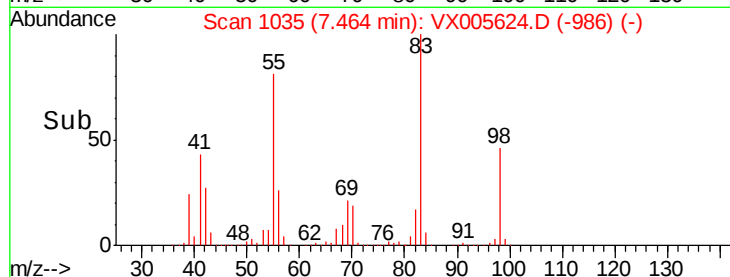
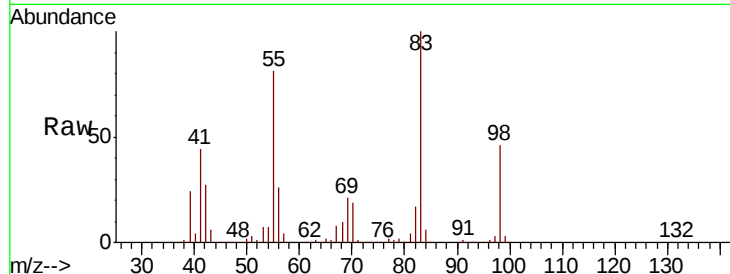




#39
Methvlcvclohexane
Concen: 47.988 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

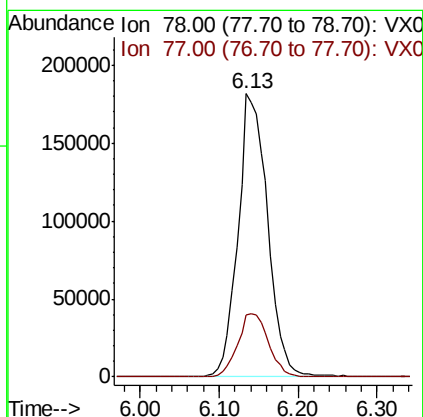
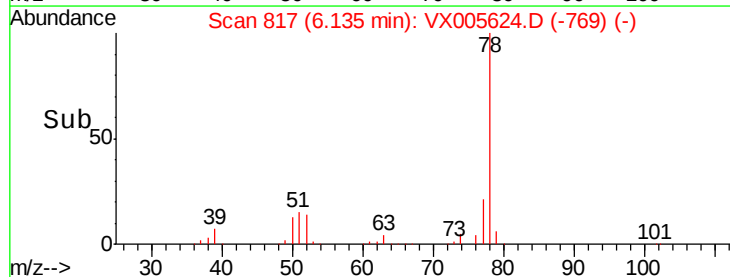
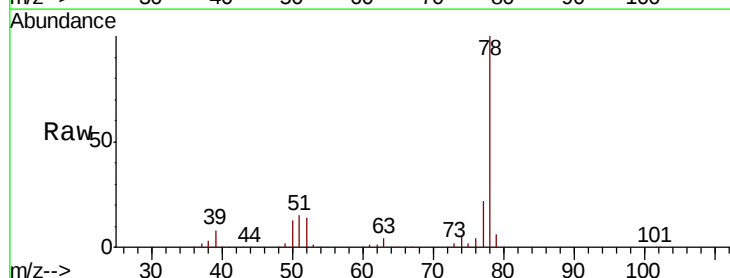
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

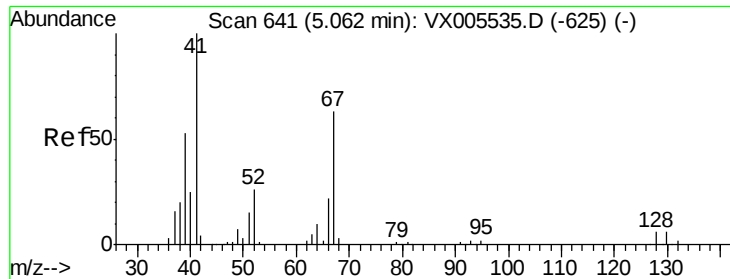
Tot Ion: 83 Resp: 181390
Ion Ratio Lower Upper
83 100
55 81.2 63.7 95.5
98 46.1 36.2 54.2



#40
Benzene
Concen: 48.379 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 78 Resp: 474728
Ion Ratio Lower Upper
78 100
77 21.7 18.4 27.6

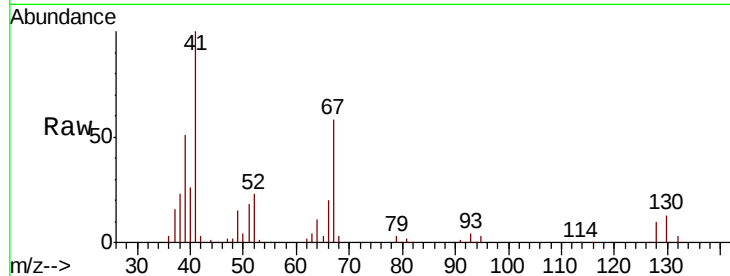




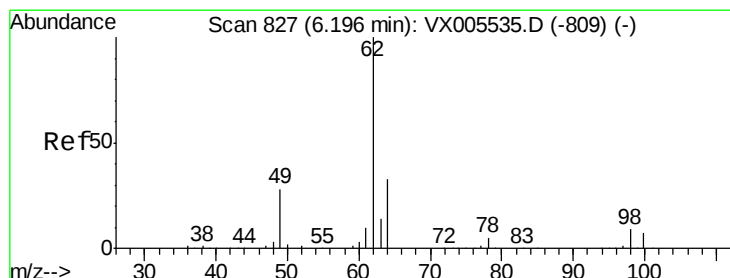
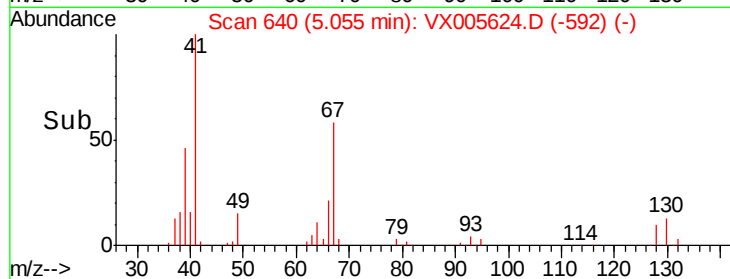
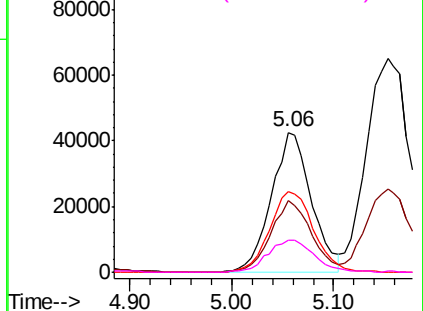
#41
Methacrylonitrile
Concen: 47.212 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	114876
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.2	63.2
67	63.9	53.4	80.0
52	26.4	23.4	35.2

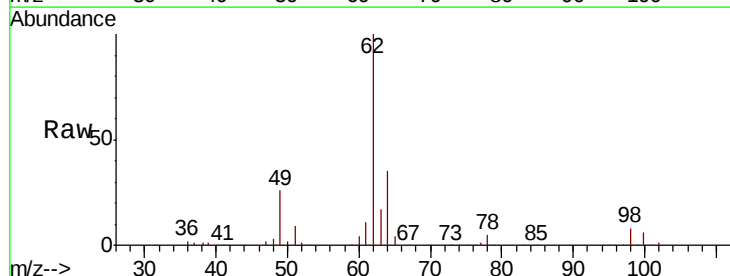


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

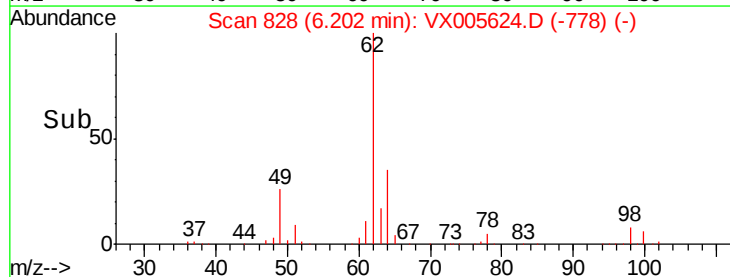
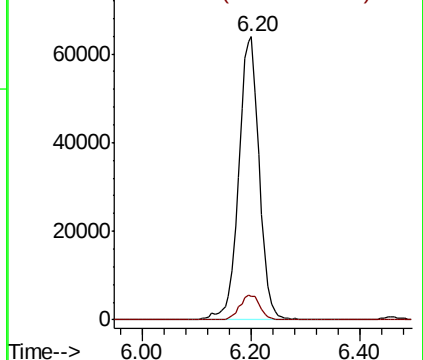


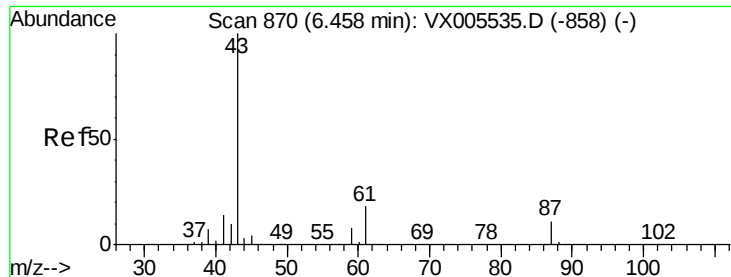
#42
1,2-Dichloroethane
Concen: 45.078 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion:	62	Resp:	168038
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 47.502 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

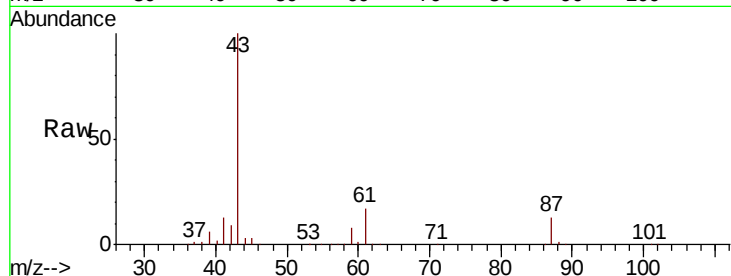
Tot Ion: 43 Resp: 310933

Ion Ratio Lower Upper

43 100

61 18.7 14.6 22.0

87 13.0 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX005535.D (-858) (-)

Ion 61.00 (60.70 to 61.70): VX005535.D (-858) (-)

Ion 87.00 (86.70 to 87.70): VX005535.D (-858) (-)

6.46

150000

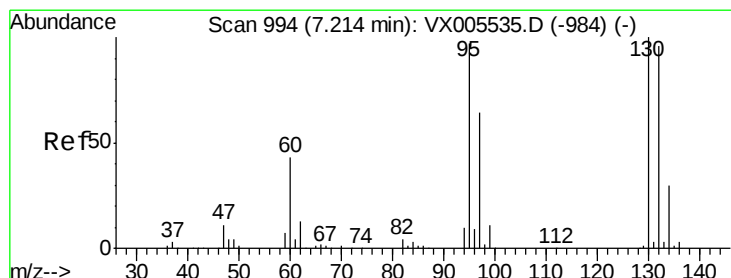
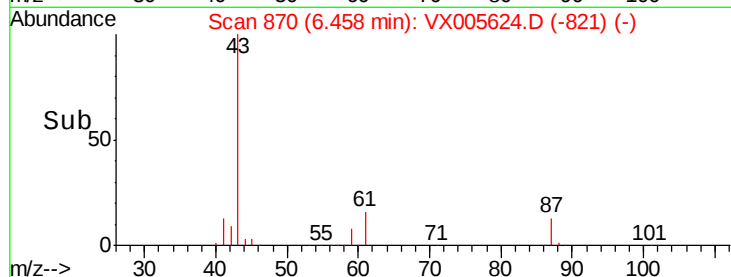
100000

50000

0

6.30 6.40 6.50 6.60 6.70

Time-->



#44

Trichloroethene

Concen: 47.317 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005624.D

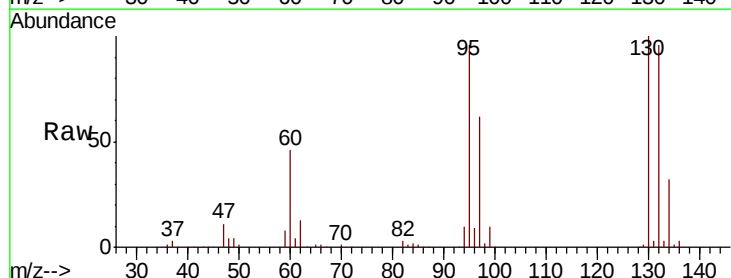
Acq: 26 Oct 2018 23:48

Tgt Ion:130 Resp: 126488

Ion Ratio Lower Upper

130 100

95 96.0 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): VX005535.D (-984) (-)

Ion 94.90 (94.60 to 95.60): VX005535.D (-984) (-)

7.21

60000

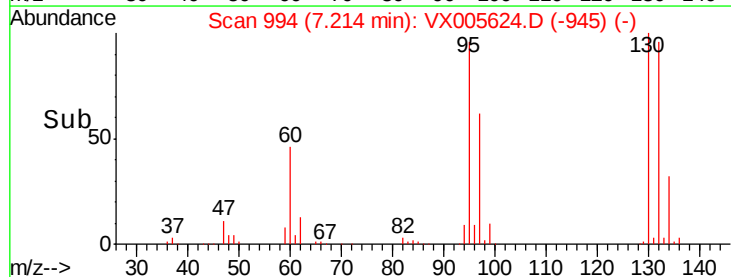
40000

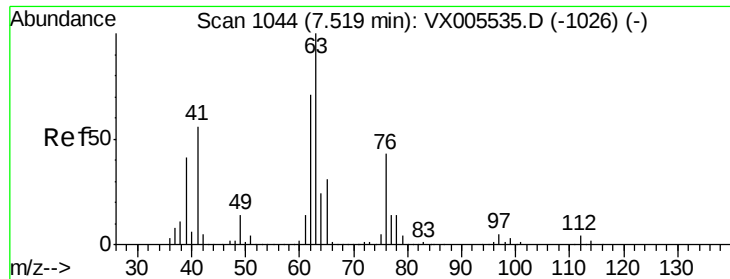
20000

0

7.10 7.20 7.30 7.40

Time-->

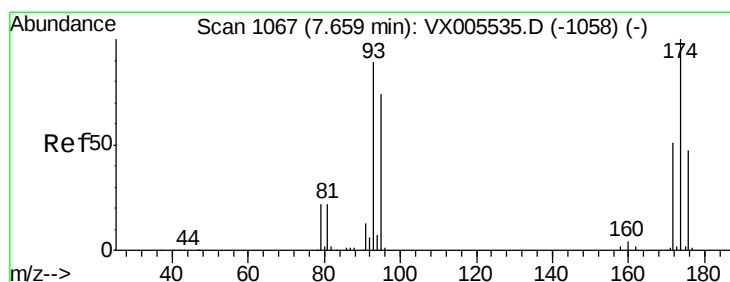
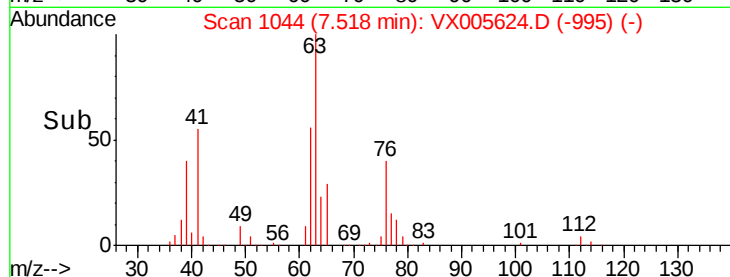
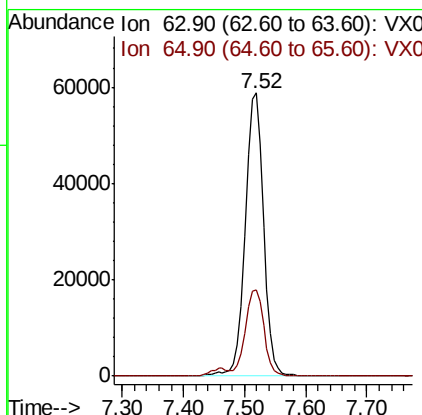
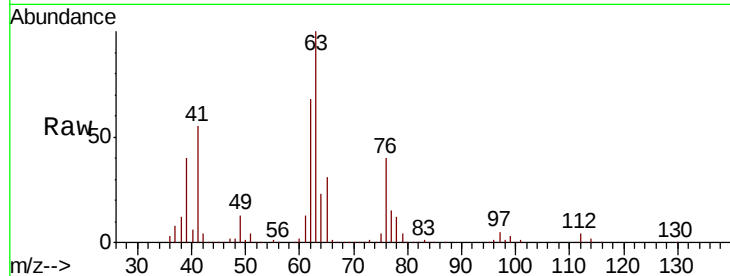




#45
 1,2-Dichloropropane
 Concen: 46.297 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

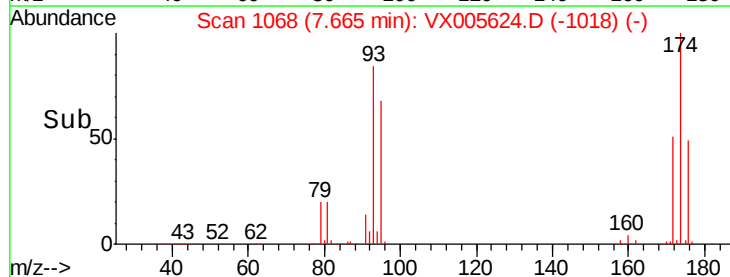
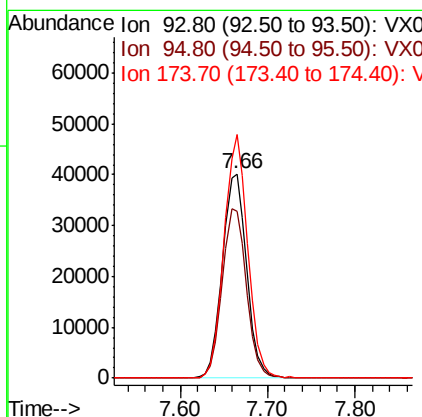
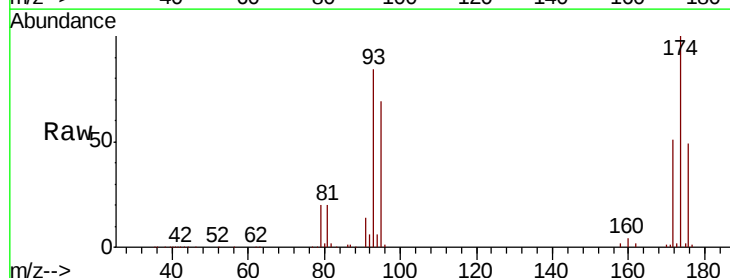
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

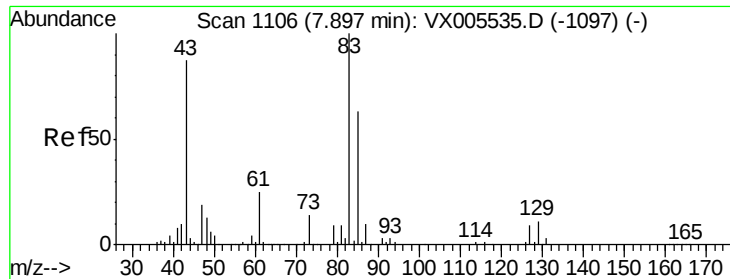
Tot Ion: 63 Resp: 122139
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.8 37.2



#46
 Dibromomethane
 Concen: 45.405 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion: 93 Resp: 77366
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.4 101.0
 174 115.9 91.5 137.3





#47

Bromodichloromethane

Concen: 45.725 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

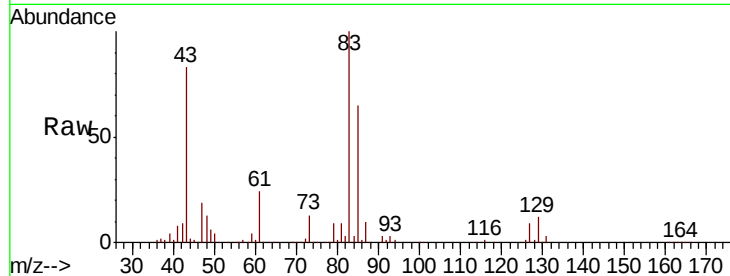
Tot Ion: 83 Resp: 151214

Ion Ratio Lower Upper

83 100

85 65.0 50.2 75.4

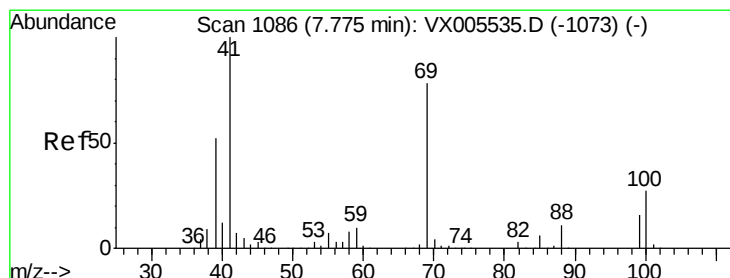
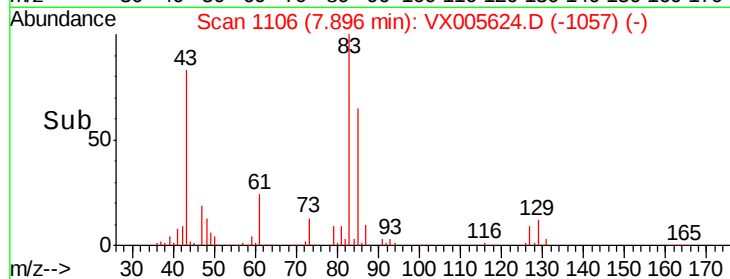
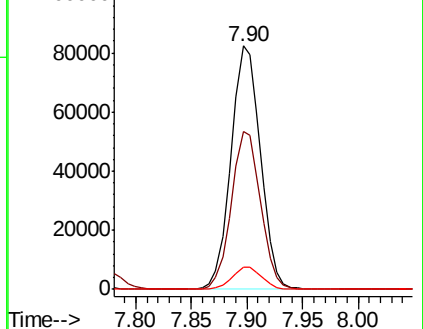
127 9.2 6.9 10.3



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: 48.567 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

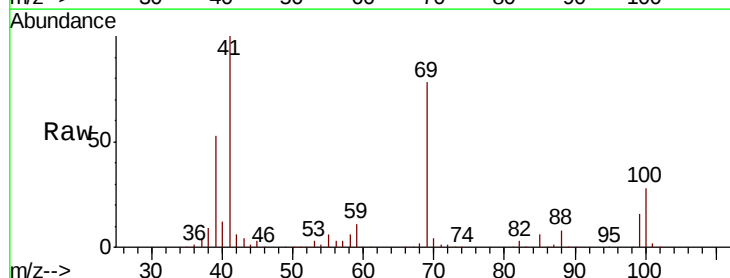
Tgt Ion: 41 Resp: 154871

Ion Ratio Lower Upper

41 100

69 79.5 63.2 94.8

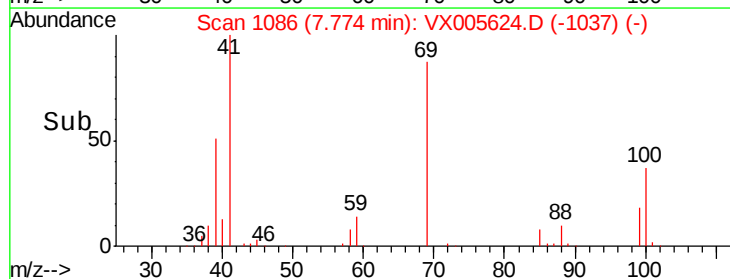
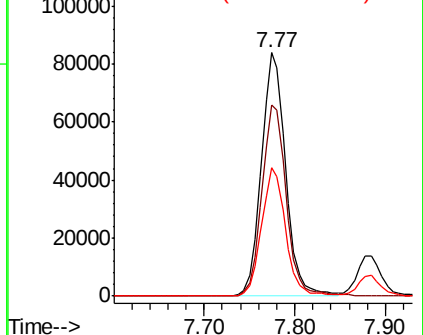
39 52.3 42.2 63.2

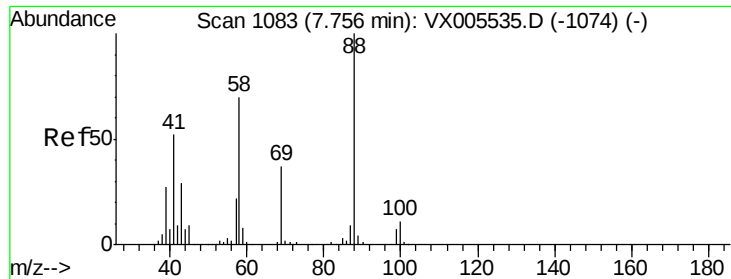


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

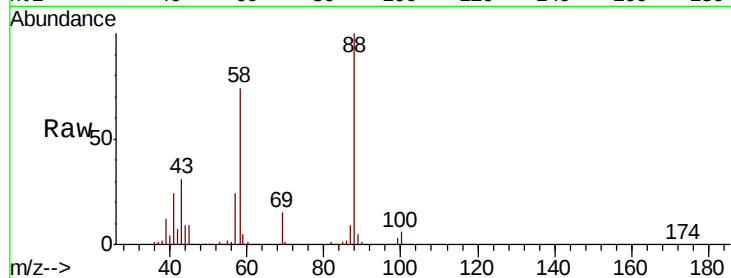




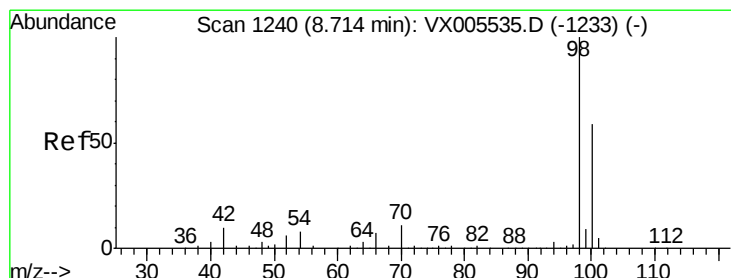
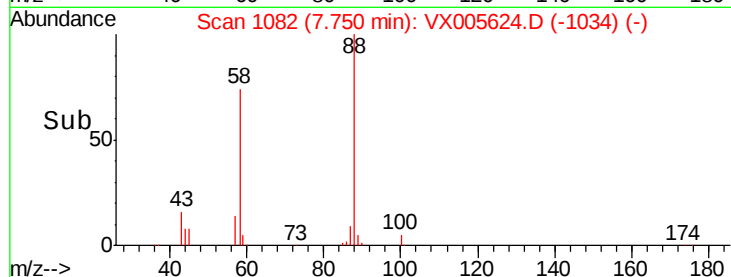
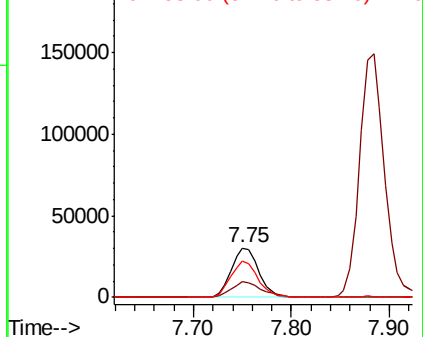
#49
1,4-Dioxane
Concen: 834.202 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 58133
Ion Ratio Lower Upper
88 100
43 33.9 27.4 41.0
58 74.4 59.4 89.2

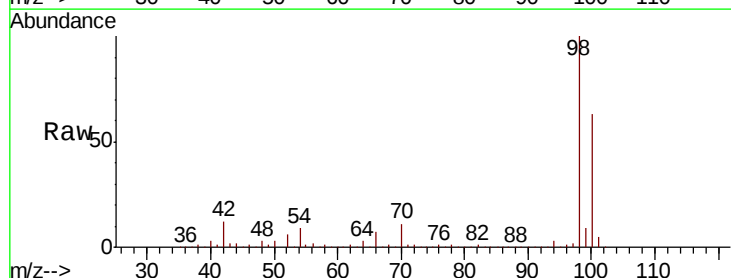


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

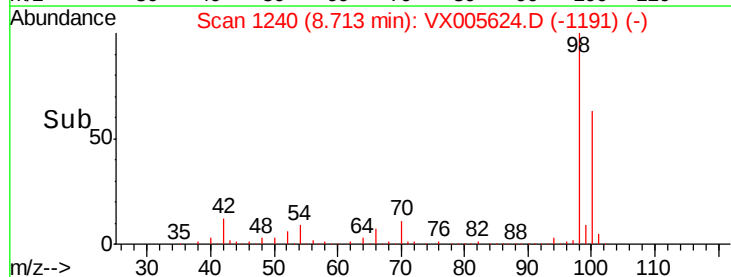
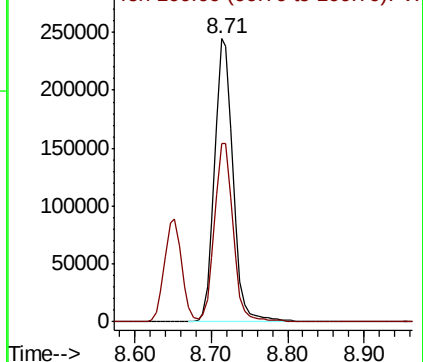


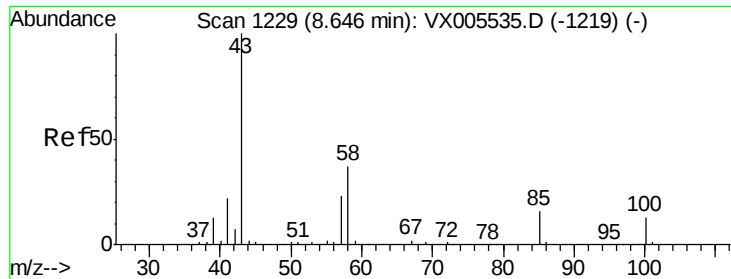
#50
Toluene-d8
Concen: 47.537 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 98 Resp: 407967
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 232.990 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

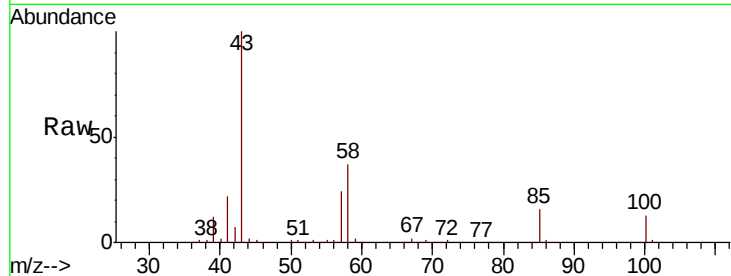
VSTDCCC050EC

Tot Ion: 43 Resp: 1024957

Ion Ratio Lower Upper

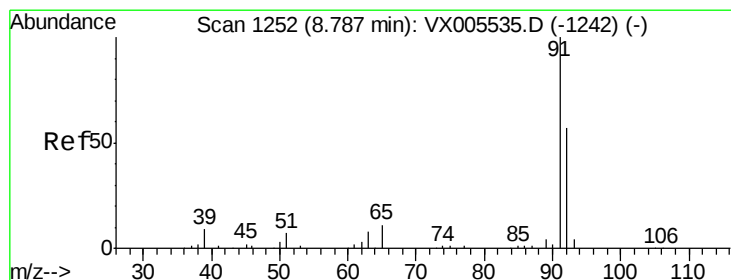
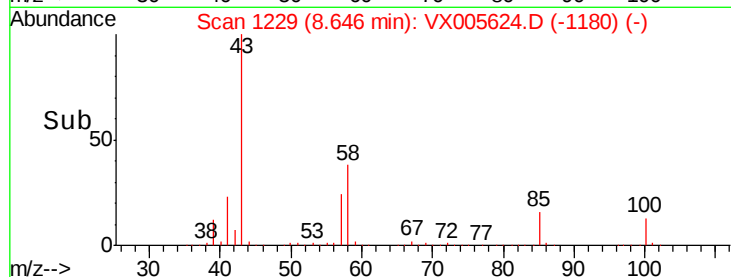
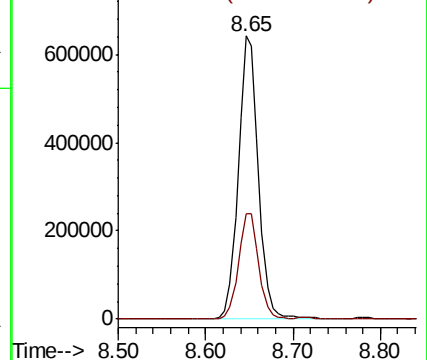
43 100

58 37.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.460 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005624.D

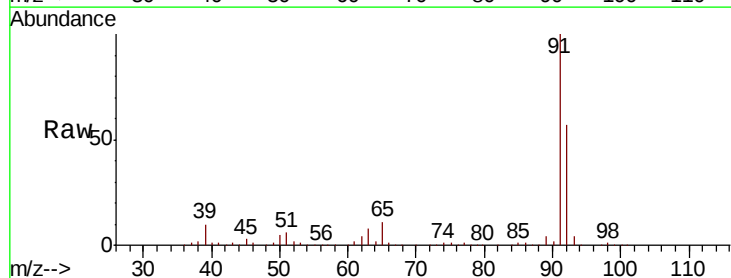
Acq: 26 Oct 2018 23:48

Tgt Ion: 92 Resp: 283035

Ion Ratio Lower Upper

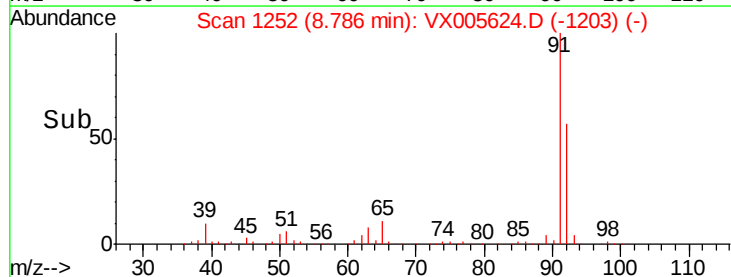
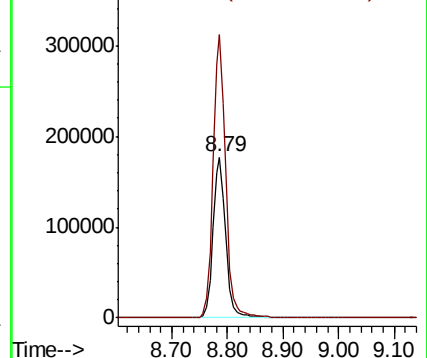
92 100

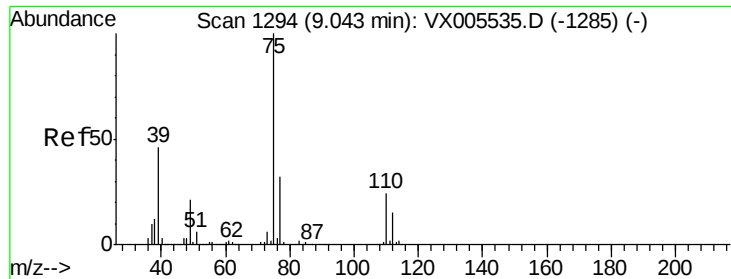
91 174.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

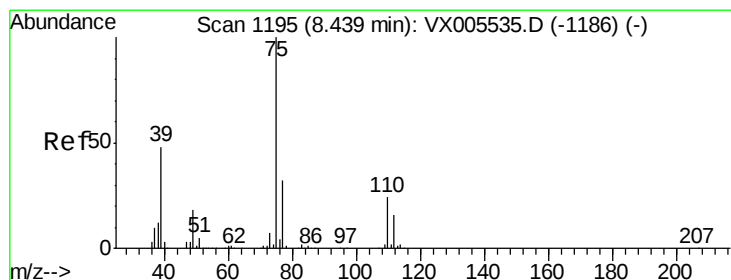
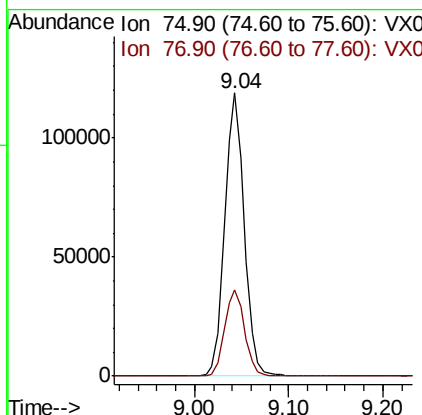
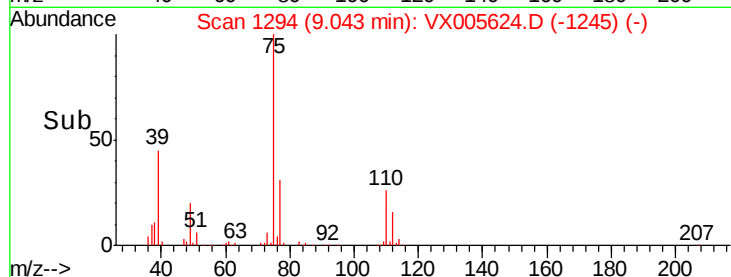
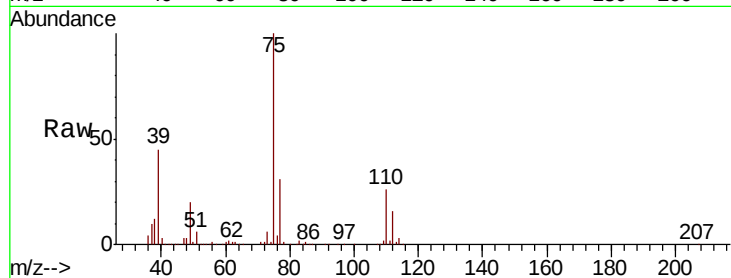




#53
t-1,3-Dichloropropene
Concen: 47.416 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

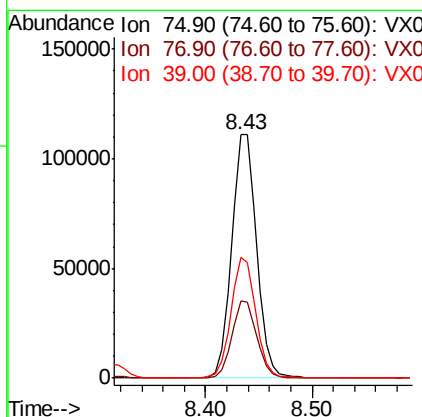
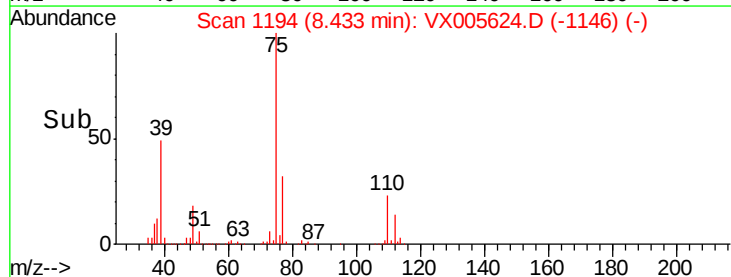
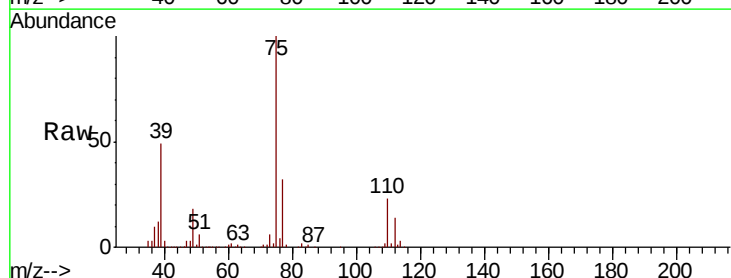
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

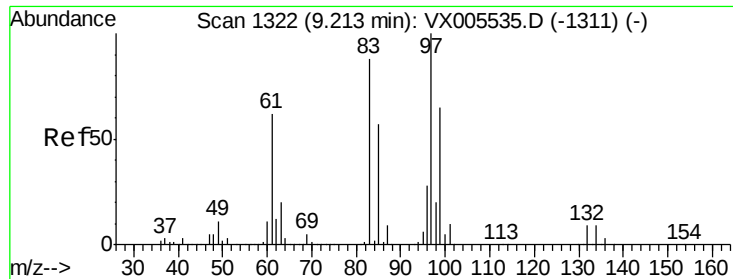
Tot Ion: 75 Resp: 169471
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 47.518 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 75 Resp: 182849
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
39 49.2 38.2 57.2



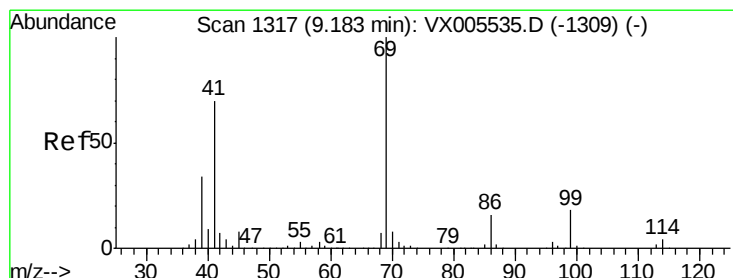
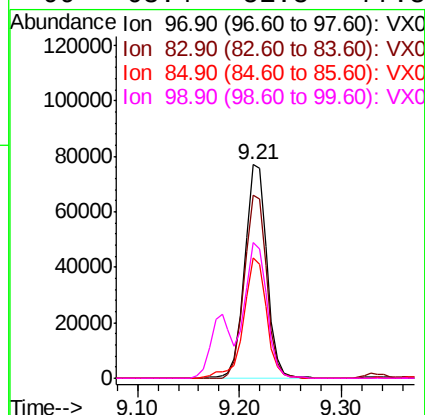
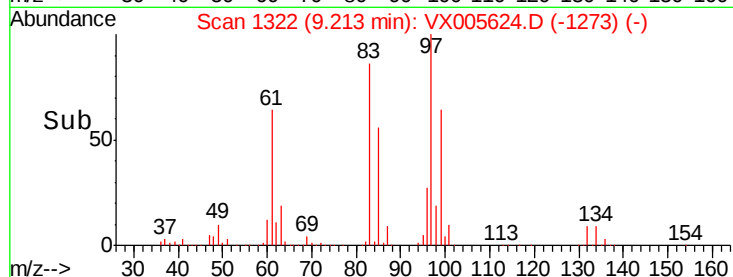
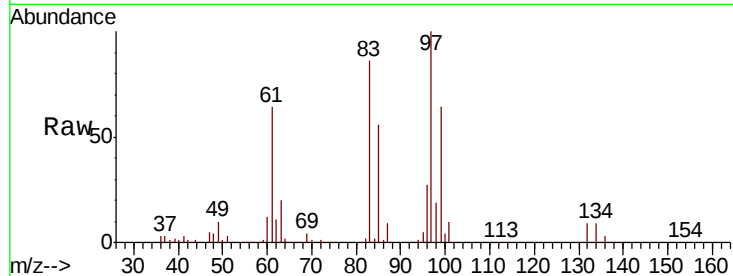


#55
 1,1,2-Trichloroethane
 Concen: 45.990 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 115633

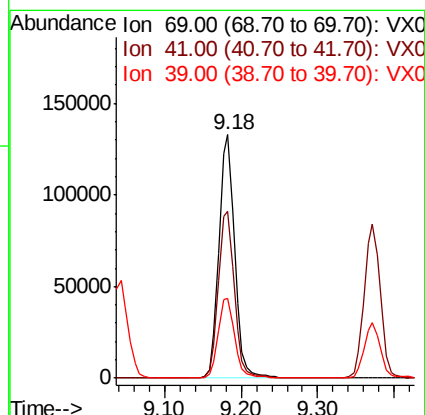
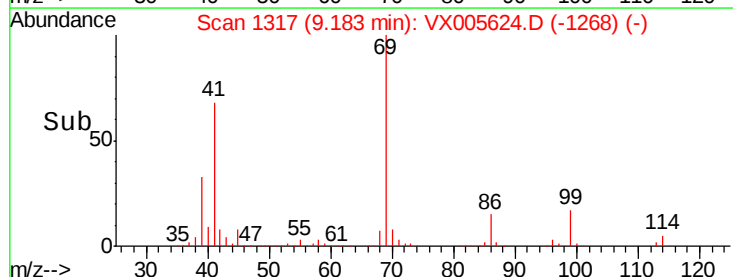
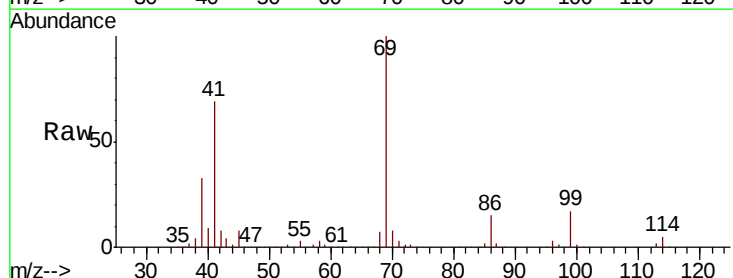
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.7	106.1
85	56.2	45.8	68.6
99	63.4	51.8	77.8

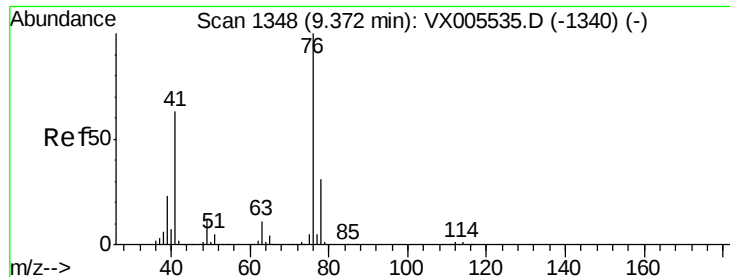


#56
 Ethyl methacrylate
 Concen: 50.452 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion: 69 Resp: 189212

Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.0	85.6
39	34.1	28.3	42.5





#57

1,3-Dichloropropane

Concen: 45.932 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

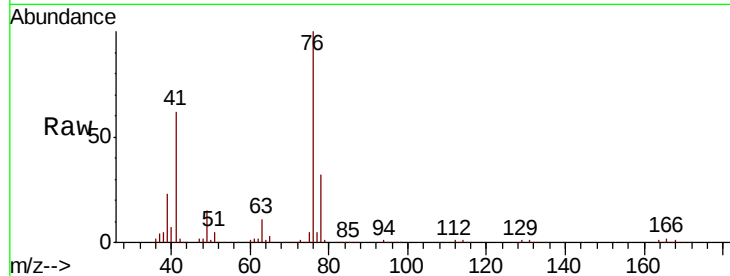
VSTDCCC050EC

Tot Ion: 76 Resp: 195408

Ion Ratio Lower Upper

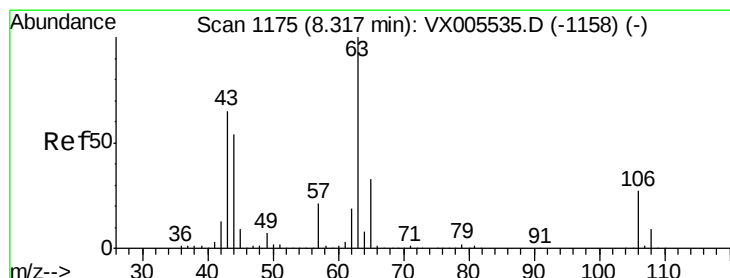
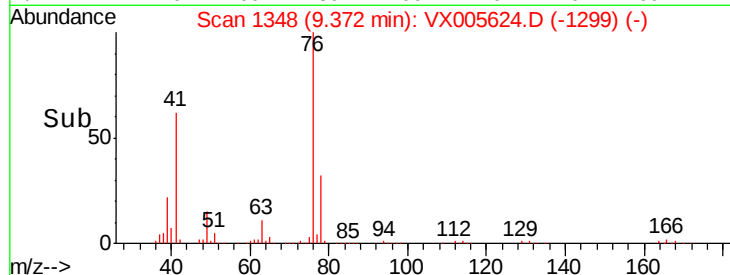
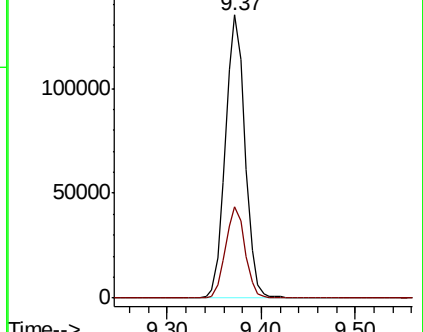
76 100

78 32.2 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 233.950 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005624.D

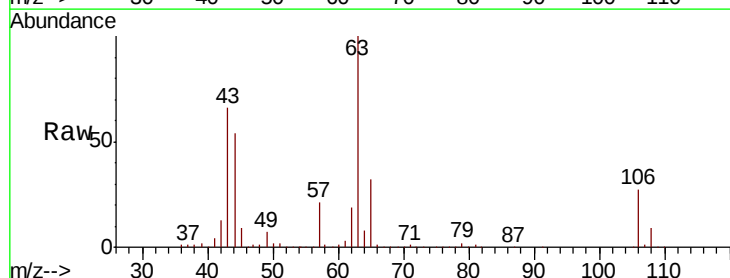
Acq: 26 Oct 2018 23:48

Tgt Ion: 63 Resp: 490030

Ion Ratio Lower Upper

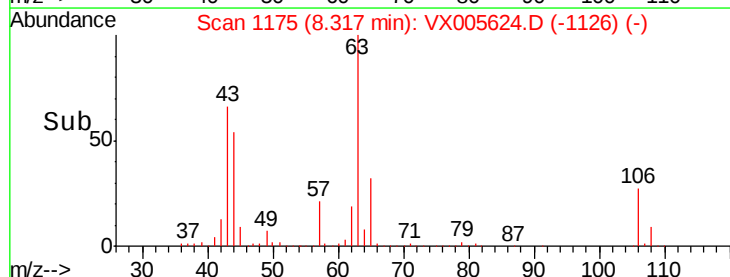
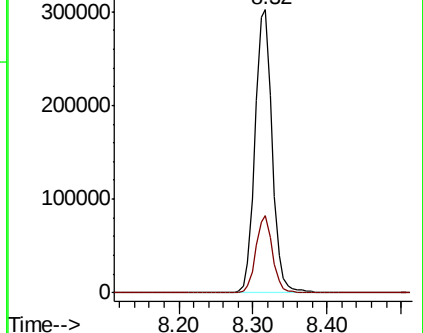
63 100

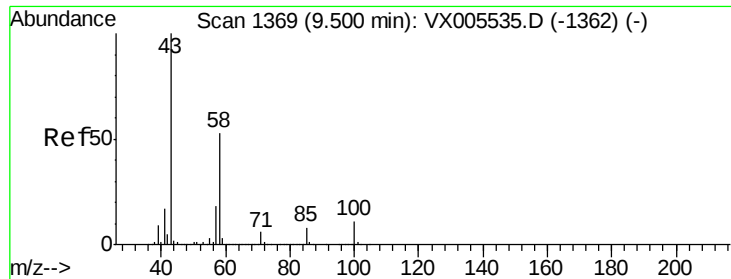
106 26.5 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

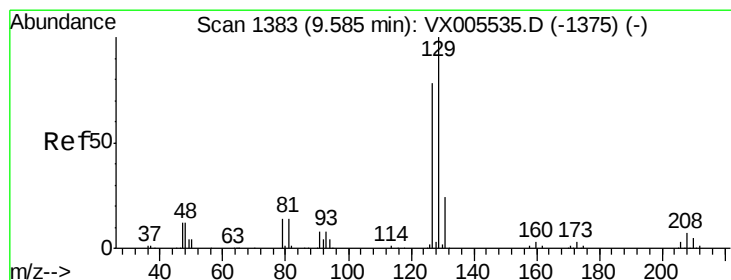
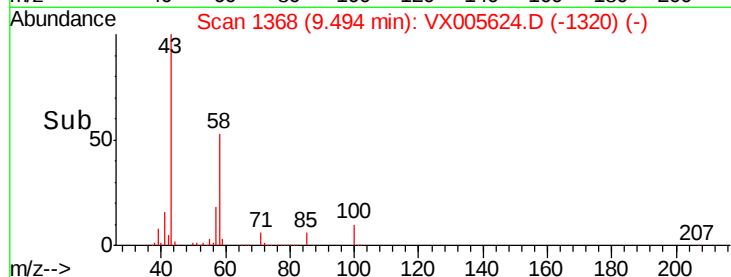
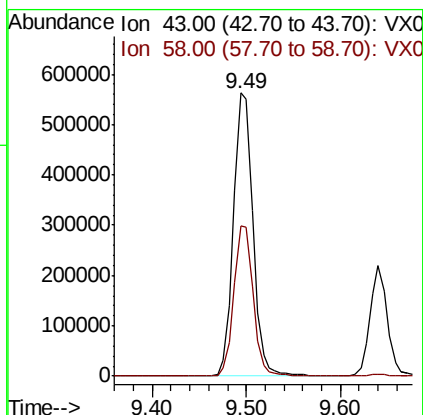
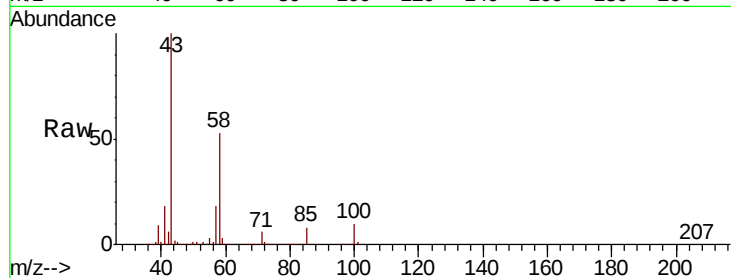




#59
2-Hexanone
Concen: 232.847 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

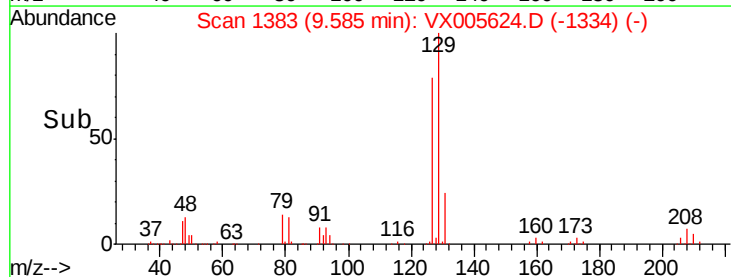
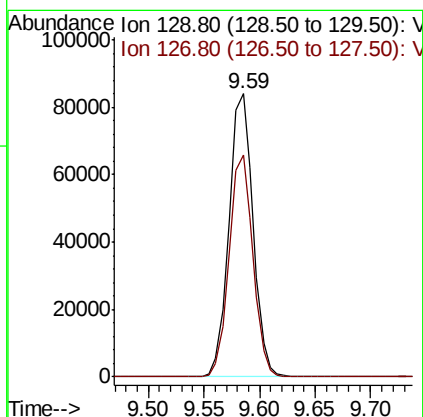
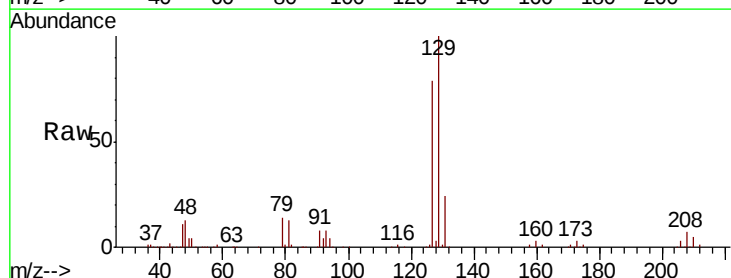
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

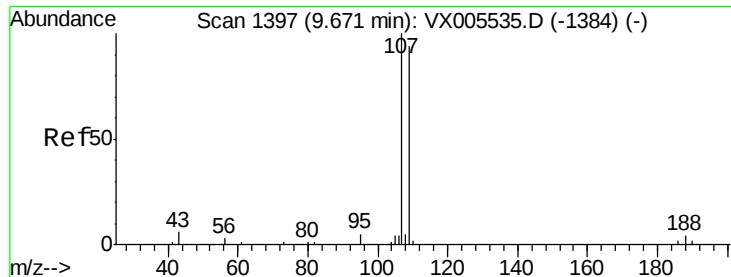
Tot Ion: 43 Resp: 807633
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8



#60
Dibromochloromethane
Concen: 47.718 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 129 Resp: 125179
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 46.946 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

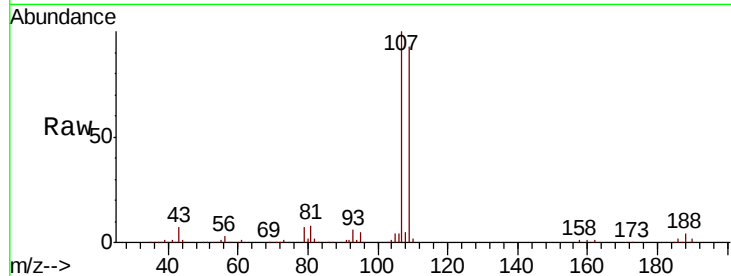
VSTDCCC050EC

Tot Ion:107 Resp: 122114

Ion Ratio Lower Upper

107 100

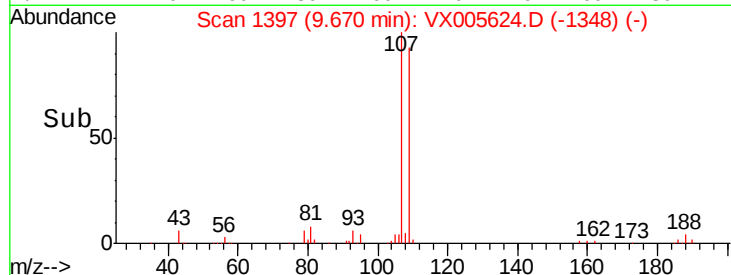
109 94.6 75.7 113.5



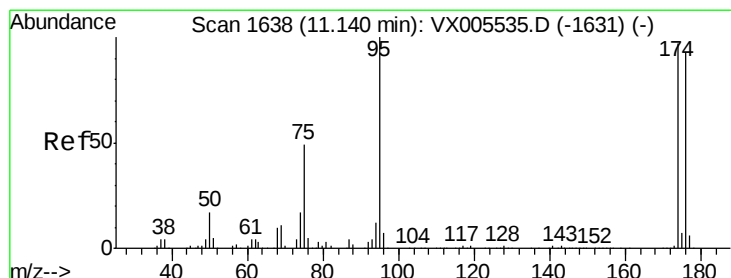
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 47.296 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

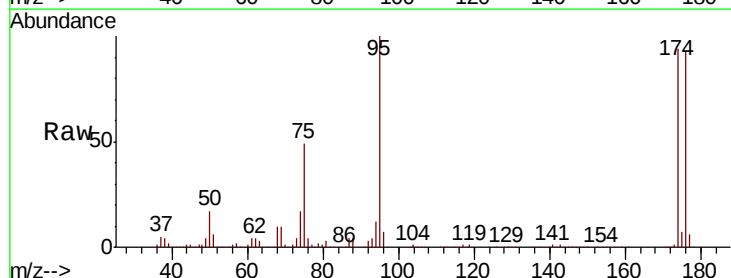
Tgt Ion: 95 Resp: 153286

Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.4

176 89.6 0.0 177.4

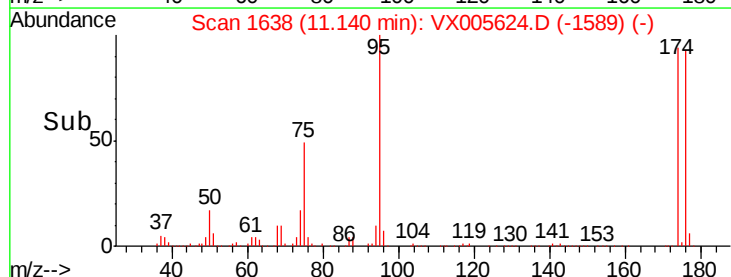


Abundance Ion 94.90 (94.60 to 95.60): VX0

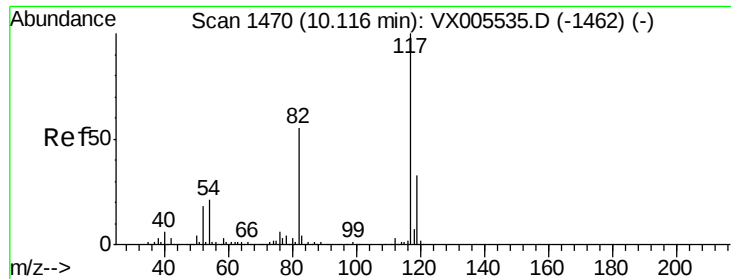
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14



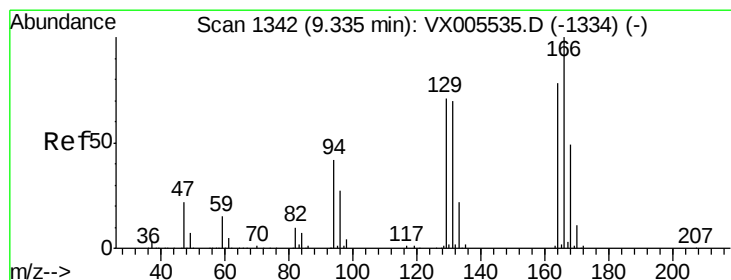
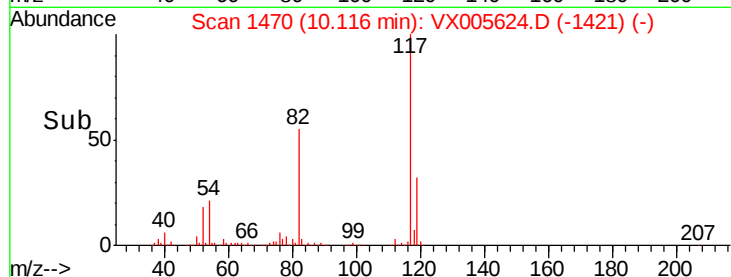
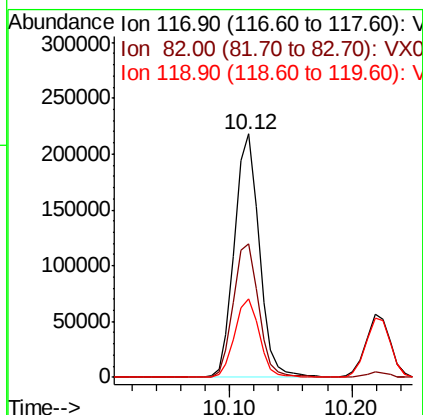
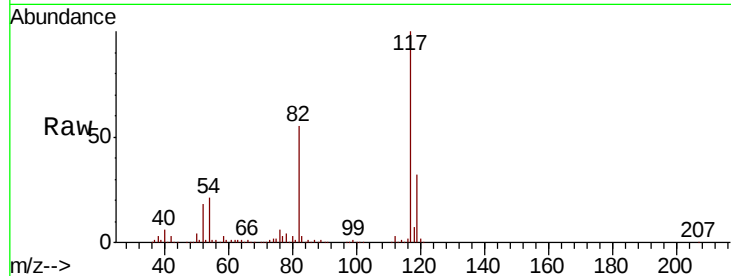
Time--> 11.10 11.20



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

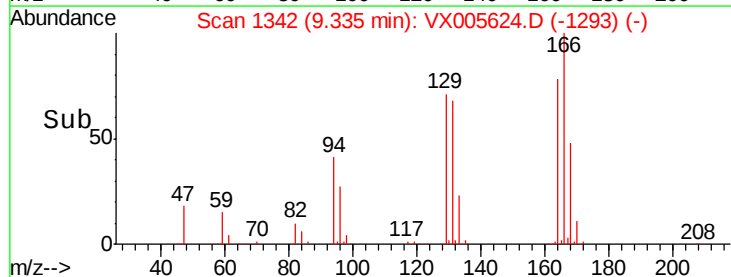
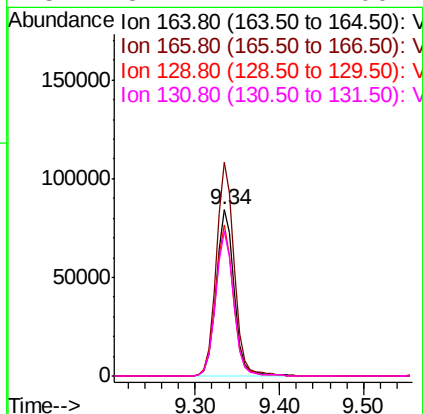
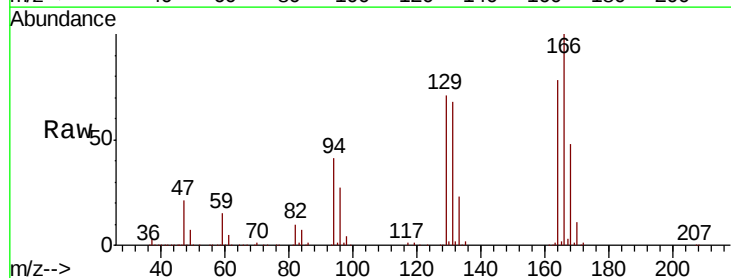
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

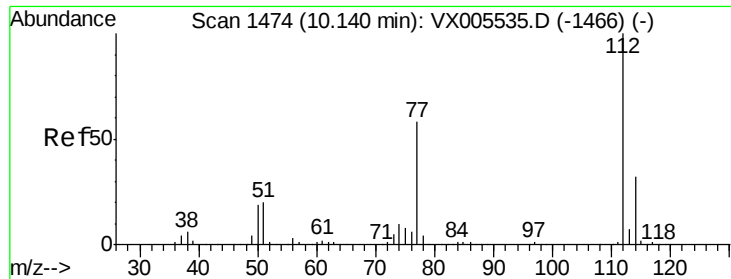
Tot Ion:117 Resp: 306442
Ion Ratio Lower Upper
117 100
82 54.7 44.1 66.1
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 48.967 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion:164 Resp: 124567
Ion Ratio Lower Upper
164 100
166 128.7 101.9 152.9
129 90.8 72.6 109.0
131 87.1 71.1 106.7

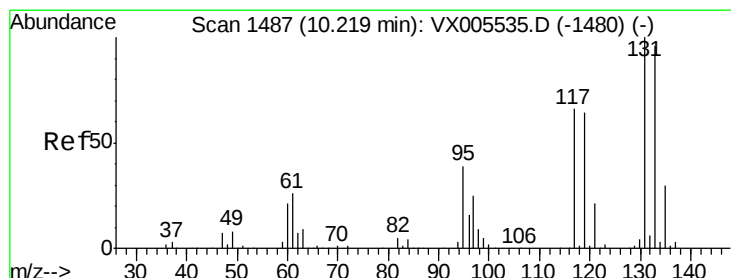
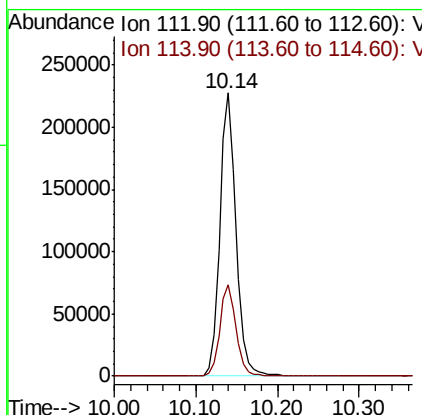
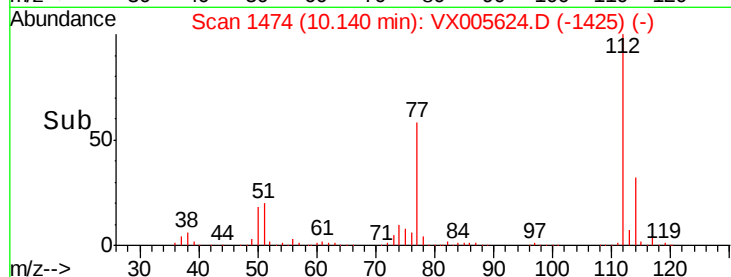
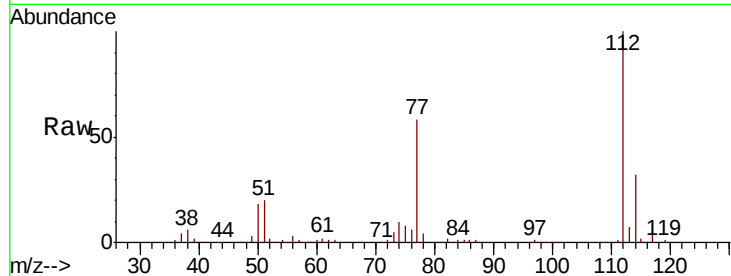




#65
Chlorobenzene
Concen: 48.425 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

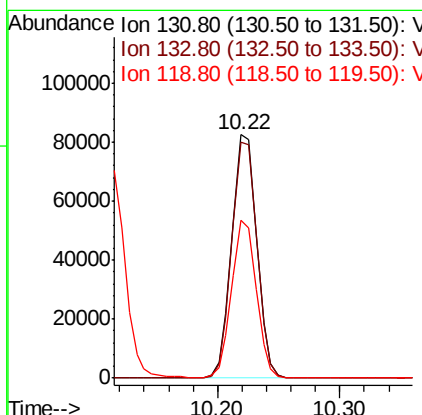
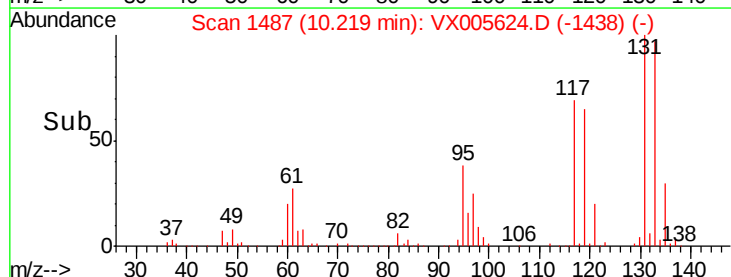
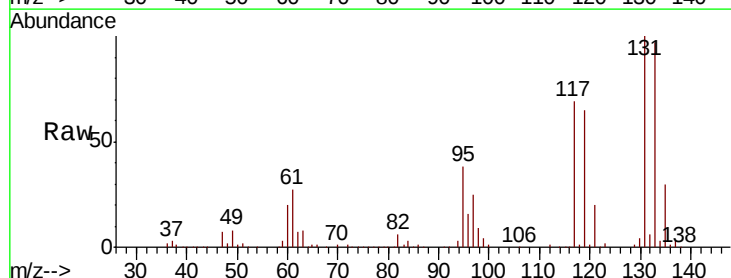
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

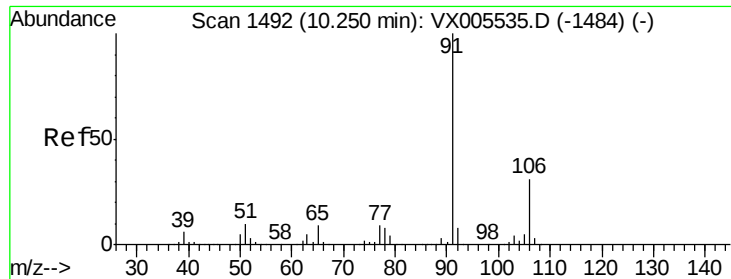
Tot Ion:112 Resp: 315998
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.010 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion:131 Resp: 116614
Ion Ratio Lower Upper
131 100
133 97.9 47.5 142.5
119 63.9 31.8 95.3

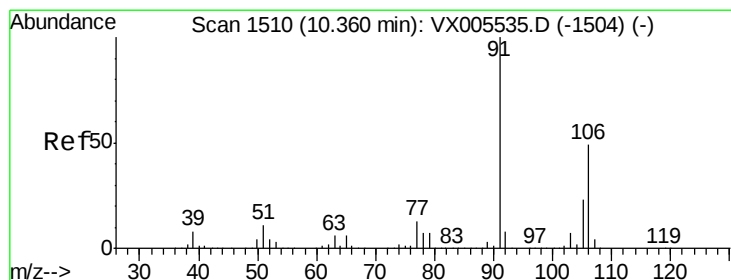
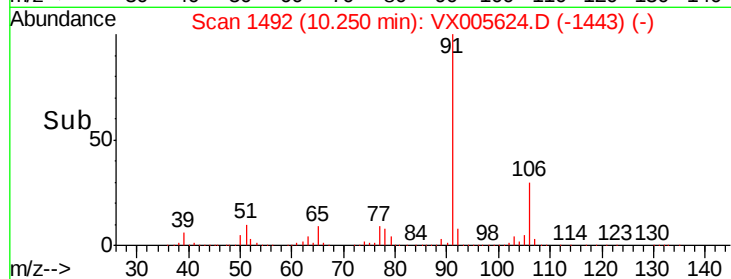
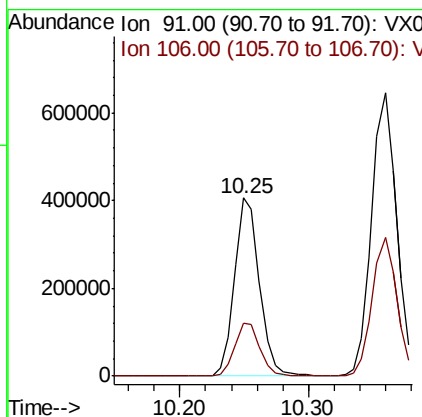
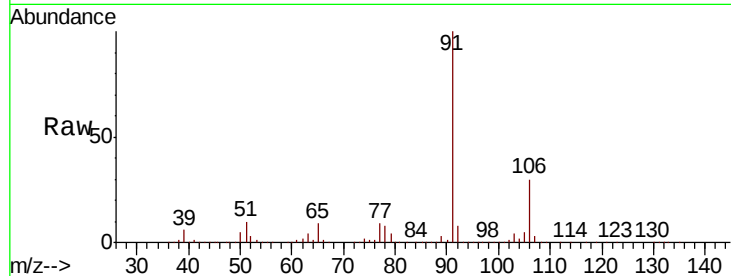




#67
Ethyl Benzene
Concen: 51.386 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

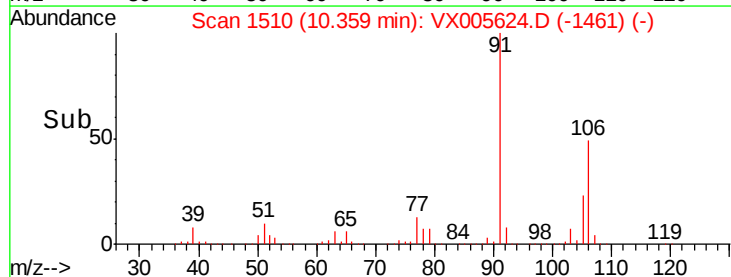
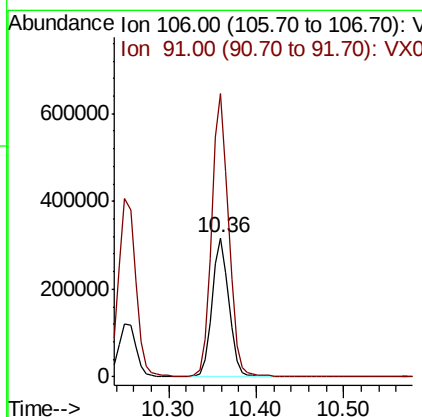
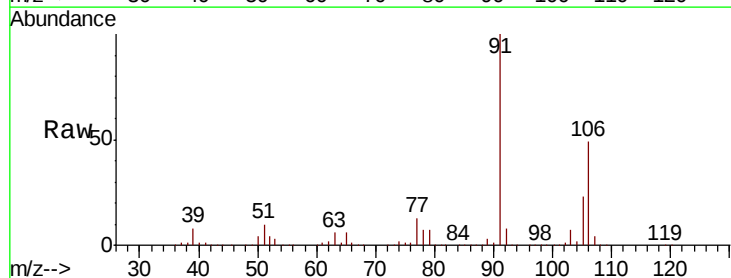
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

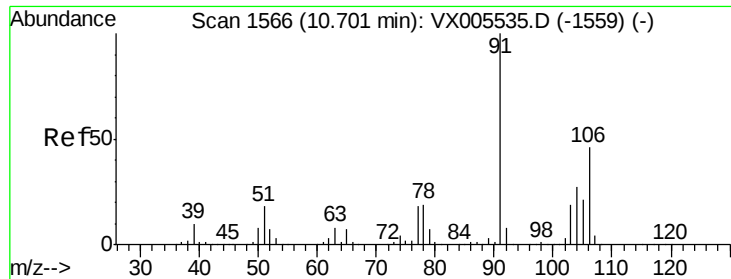
Tot Ion: 91 Resp: 551691
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6



#68
m/p-Xylenes
Concen: 101.832 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 106 Resp: 424170
Ion Ratio Lower Upper
106 100
91 205.5 164.2 246.4

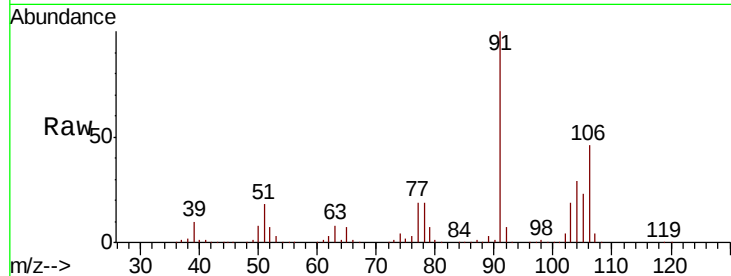




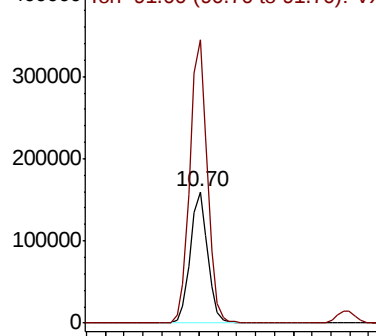
#69
o-Xylene
Concen: 52.384 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

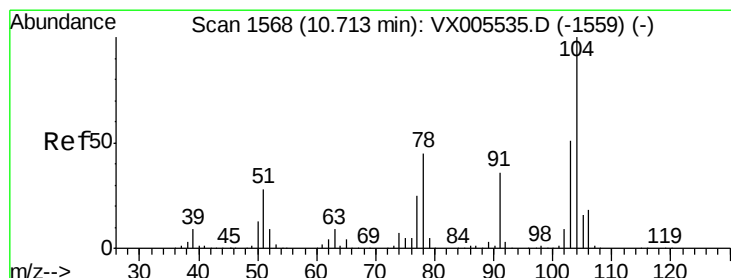
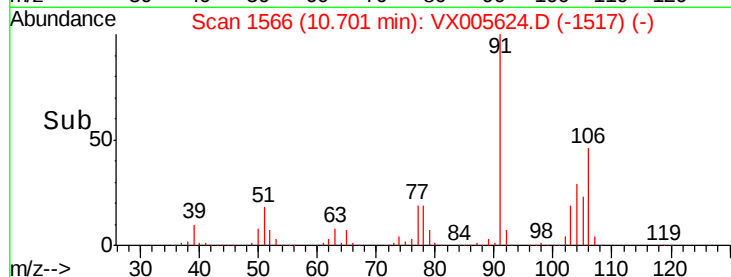
Tot Ion:106 Resp: 205285
Ion Ratio Lower Upper
106 100
91 217.2 108.5 325.5



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

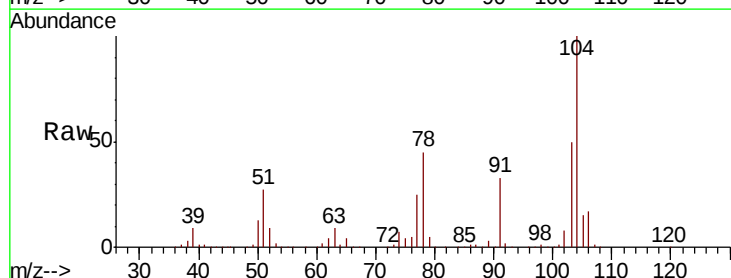


Time-->

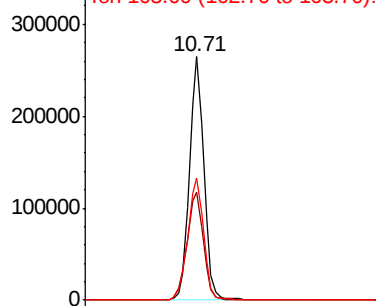


#70
Styrene
Concen: 52.704 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

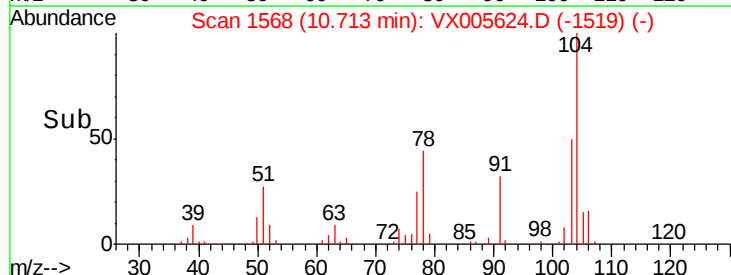
Tgt Ion:104 Resp: 345752
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.4
103 55.4 44.9 67.3

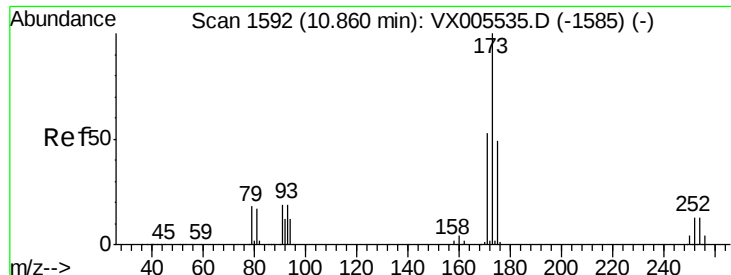


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time-->

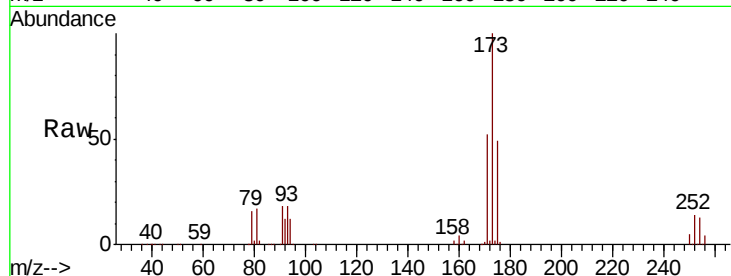




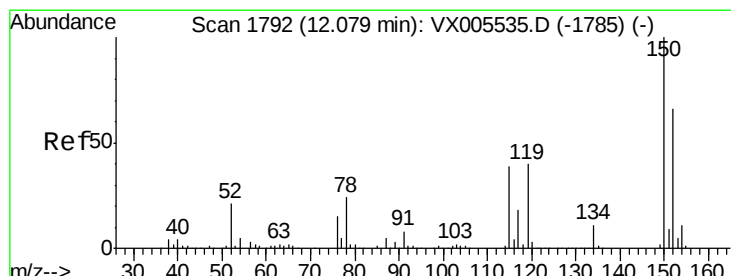
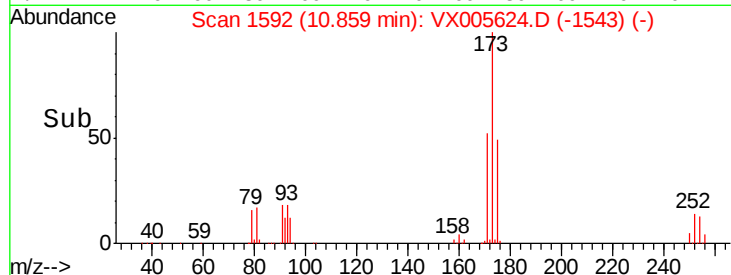
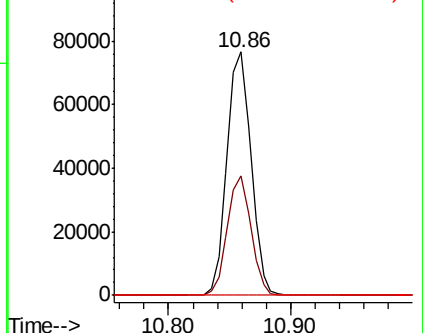
#71
Bromoform
Concen: 49.166 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 104390
Ion Ratio Lower Upper
173 100
175 48.2 24.8 74.3
254 0.2 0.2 0.2

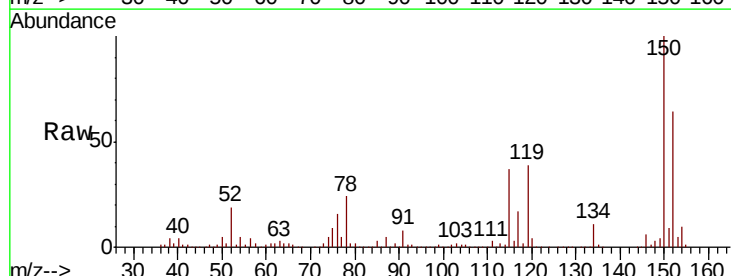


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

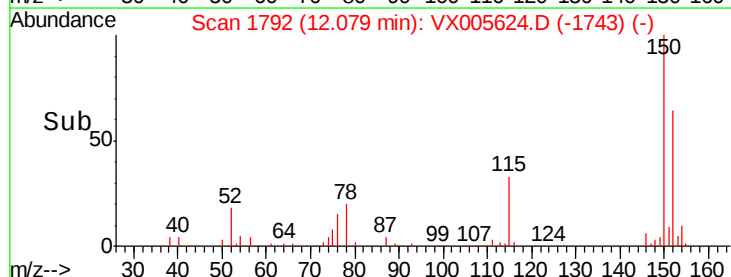
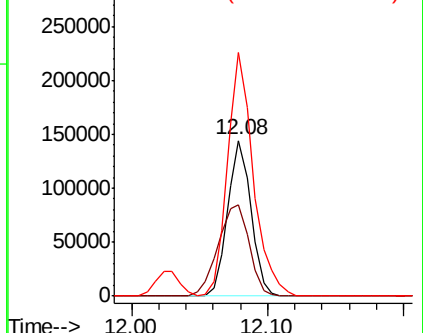


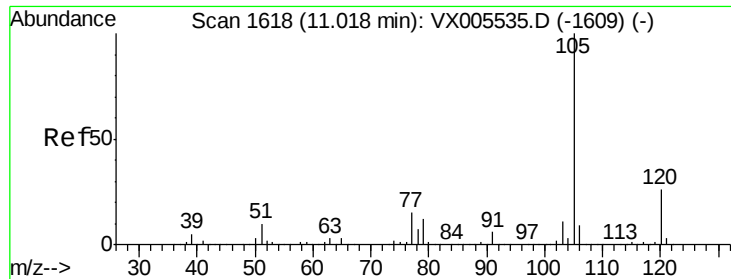
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion:152 Resp: 172341
Ion Ratio Lower Upper
152 100
115 77.6 39.4 118.1
150 172.1 0.0 346.4



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: 53.069 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

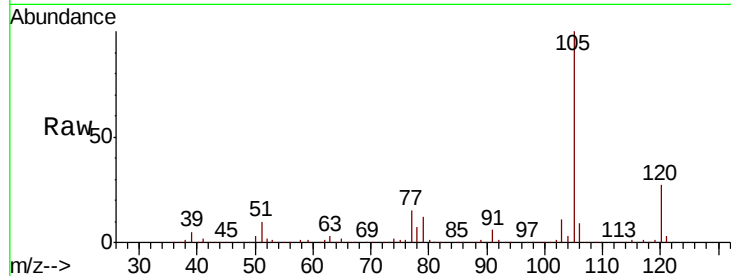
VSTDCCC050EC

Tot Ion:105 Resp: 559081

Ion Ratio Lower Upper

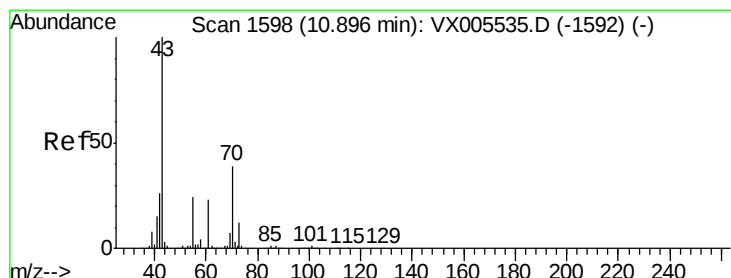
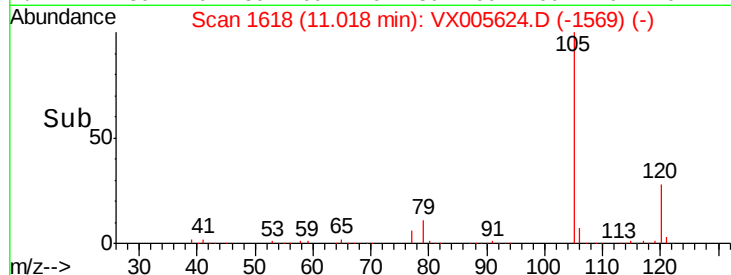
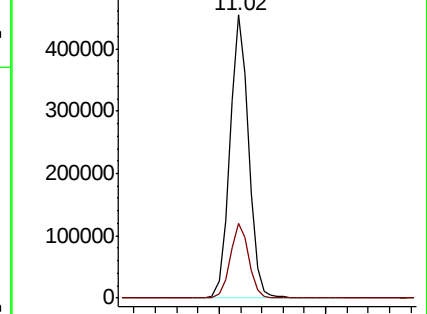
105 100

120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.078 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion: 43 Resp: 277071

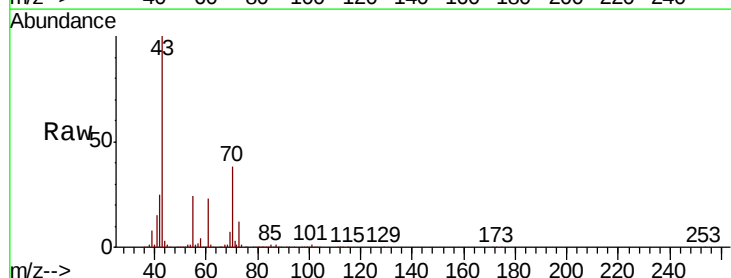
Ion Ratio Lower Upper

43 100

70 39.6 31.6 47.4

55 24.5 19.7 29.5

61 23.4 18.3 27.5

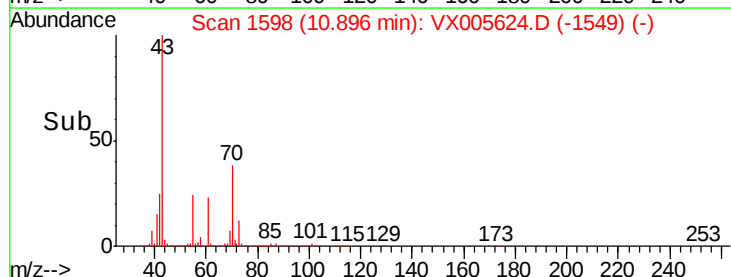
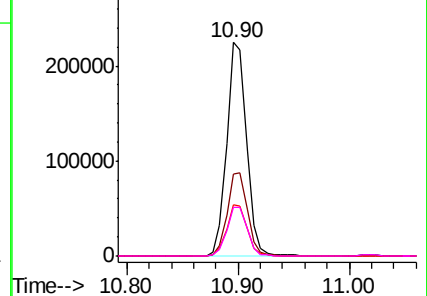


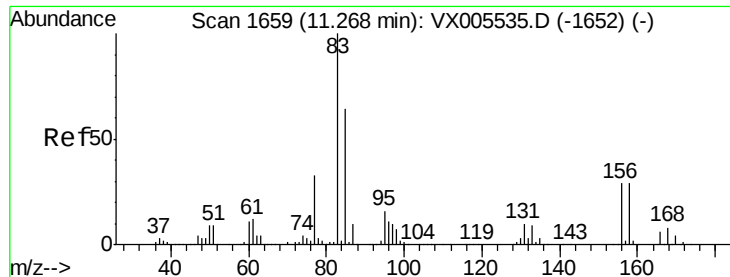
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 48.766 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

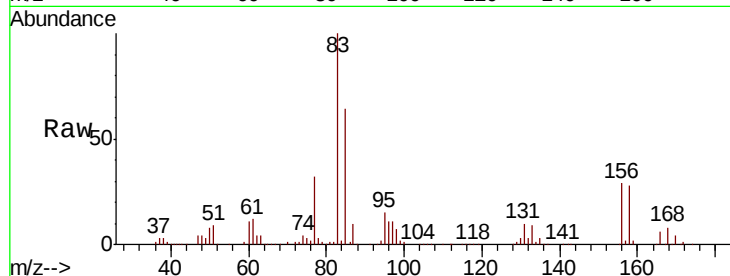
Tot Ion: 83 Resp: 189535

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.9

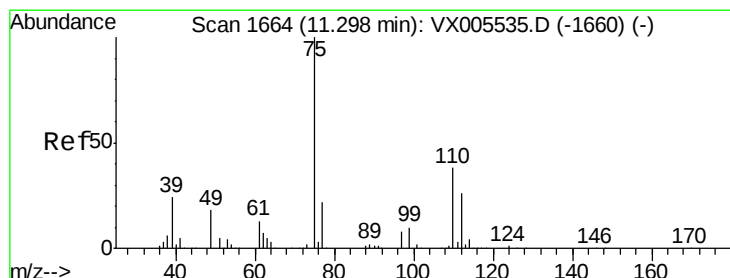
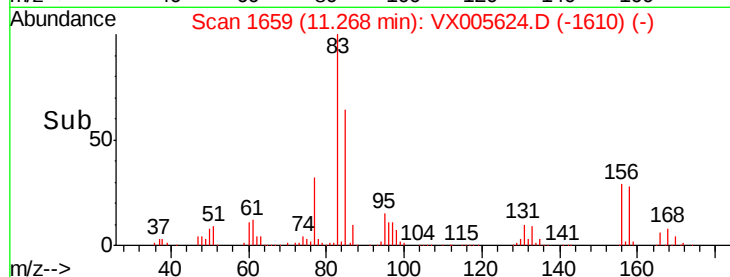
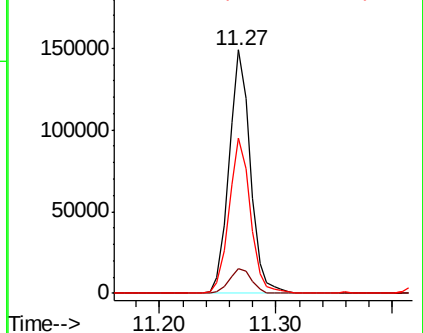
85 64.3 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 60.171 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005624.D

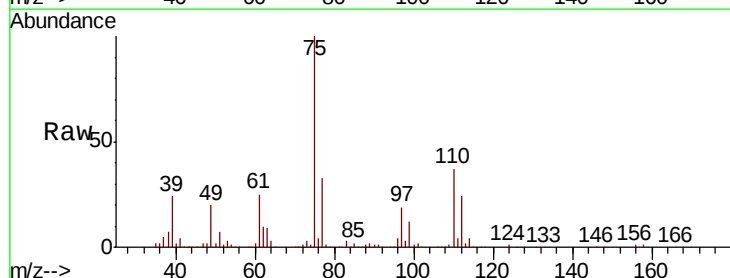
Acq: 26 Oct 2018 23:48

Tgt Ion: 75 Resp: 219714

Ion Ratio Lower Upper

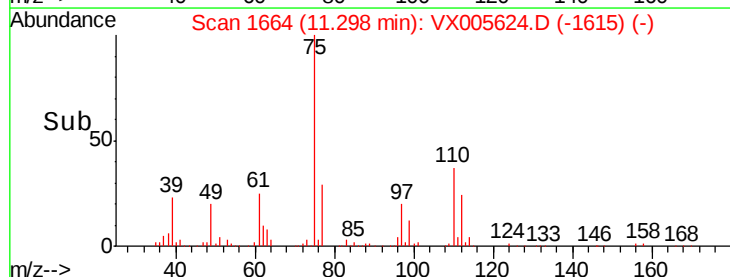
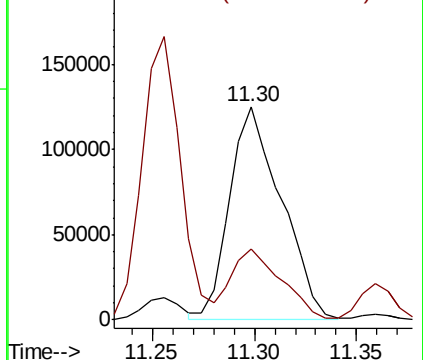
75 100

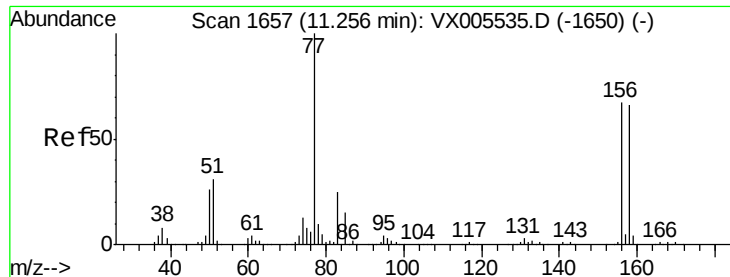
77 32.3 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.347 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

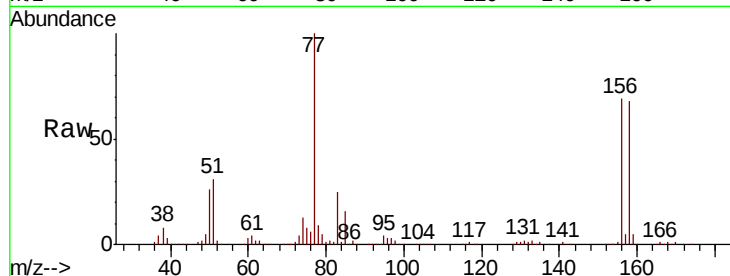
Tot Ion:156 Resp: 147818

Ion Ratio Lower Upper

156 100

77 147.8 74.8 224.4

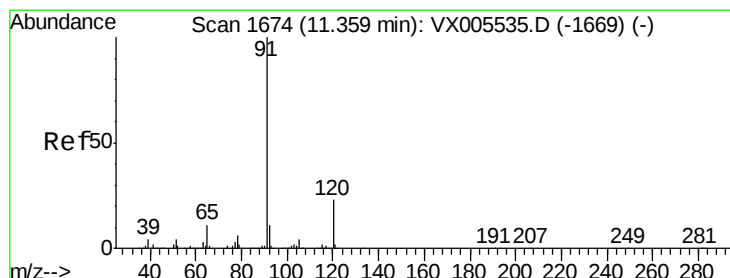
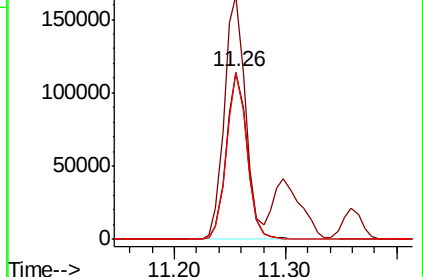
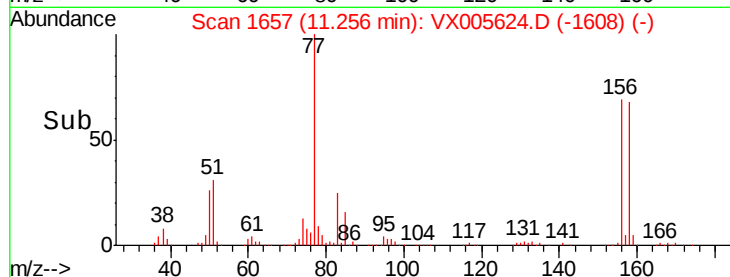
158 97.7 49.1 147.3



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: 53.420 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005624.D

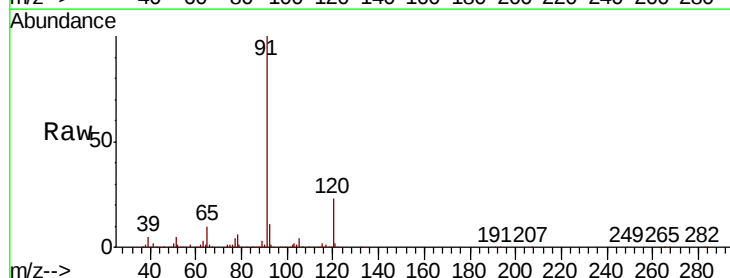
Acq: 26 Oct 2018 23:48

Tgt Ion: 91 Resp: 643512

Ion Ratio Lower Upper

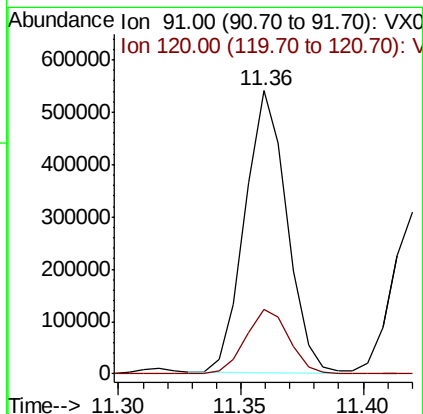
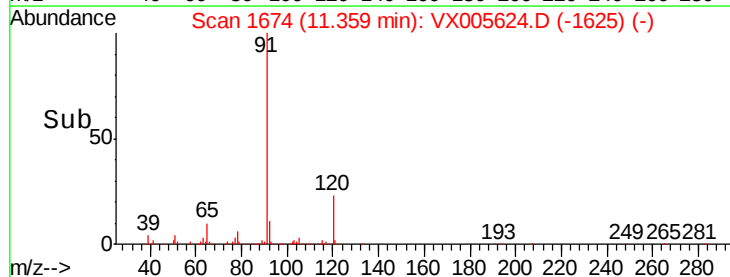
91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

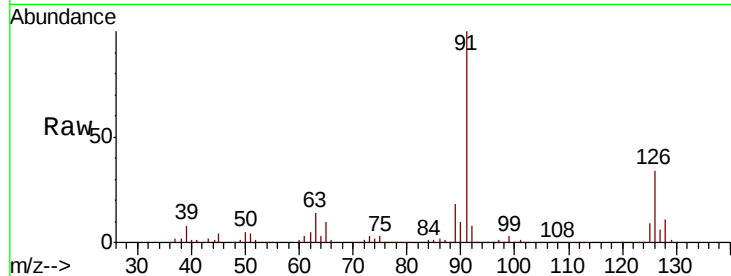




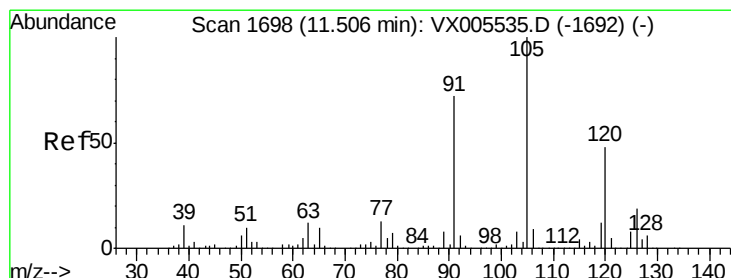
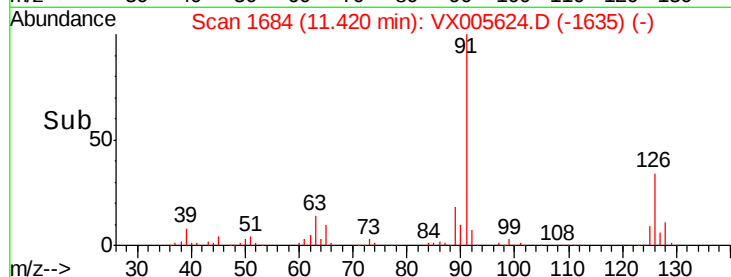
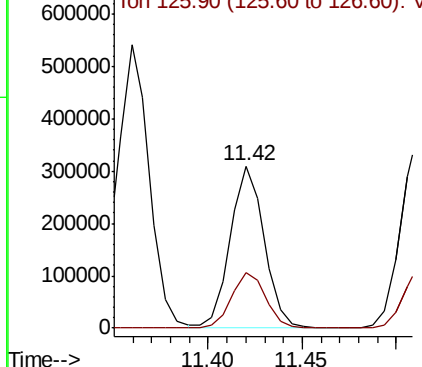
#79
2-Chlorotoluene
Concen: 51.192 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 382356
Ion Ratio Lower Upper
91 100
126 34.9 17.3 52.0

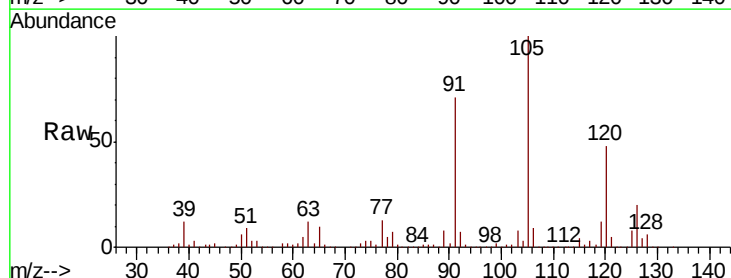


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

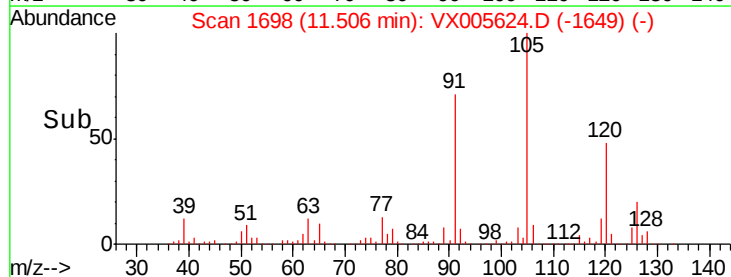
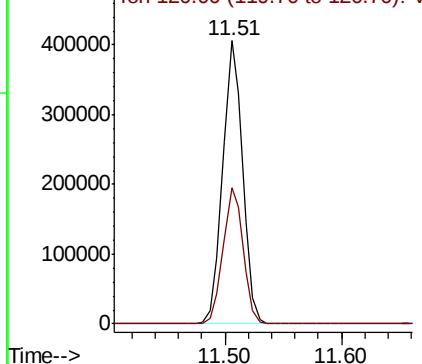


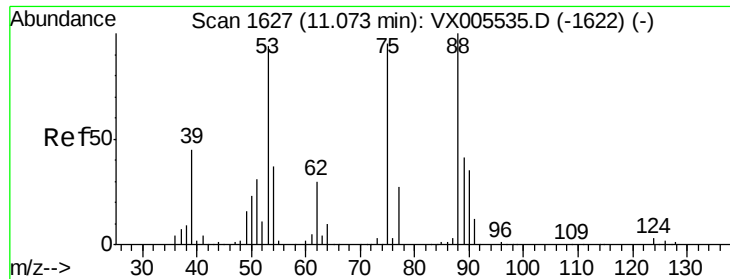
#80
1,3,5-Trimethylbenzene
Concen: 52.978 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 105 Resp: 477443
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 47.619 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

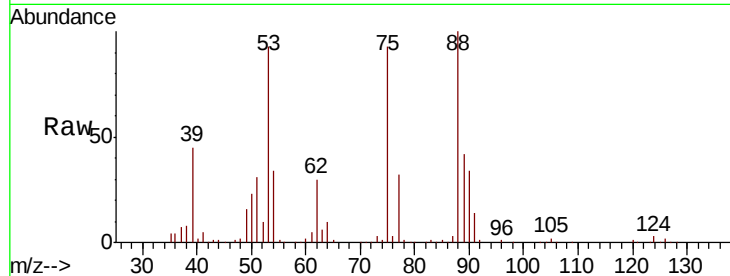
Tot Ion: 75 Resp: 53215

Ion Ratio Lower Upper

75 100

53 97.5 80.2 120.2

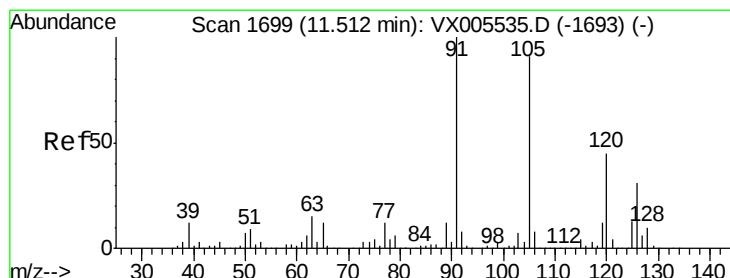
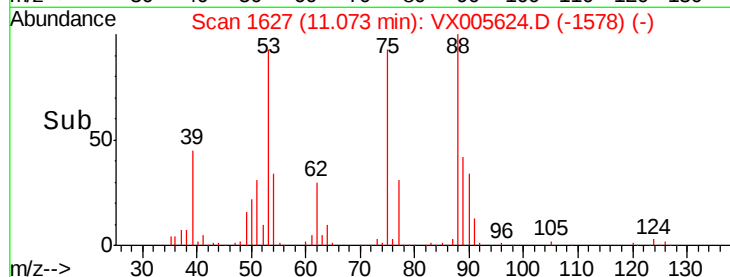
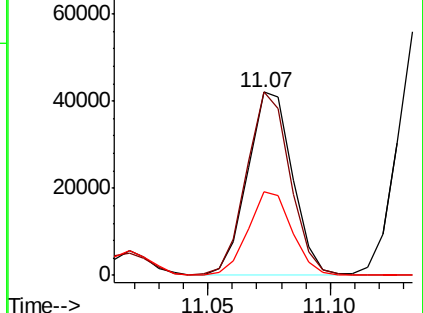
89 45.4 39.8 59.8



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: 51.418 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005624.D

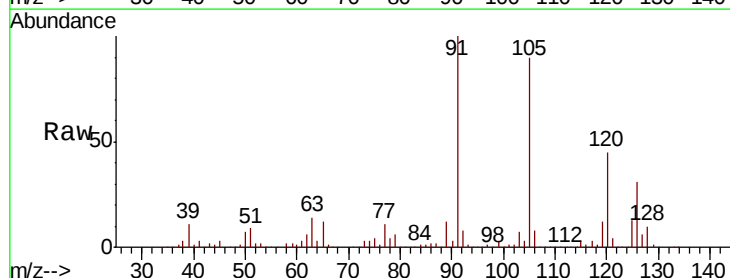
Acq: 26 Oct 2018 23:48

Tgt Ion: 91 Resp: 452849

Ion Ratio Lower Upper

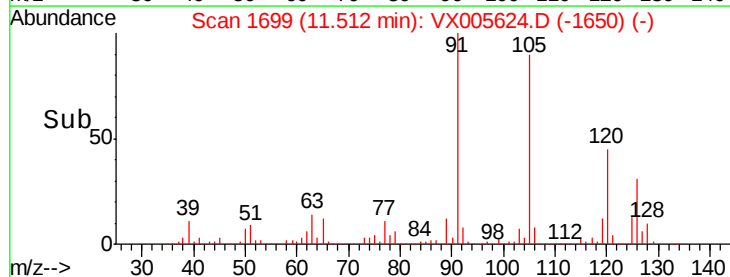
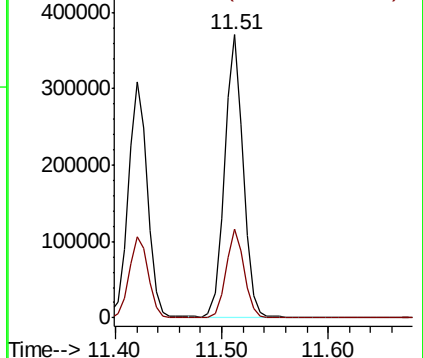
91 100

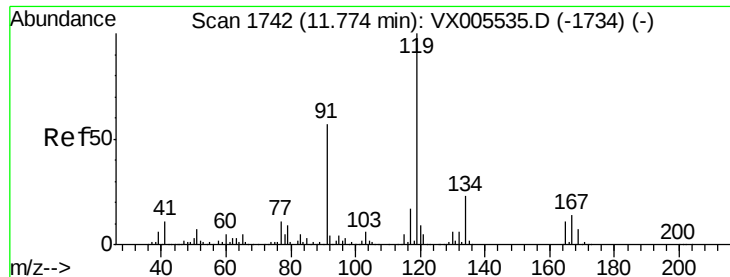
126 30.5 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

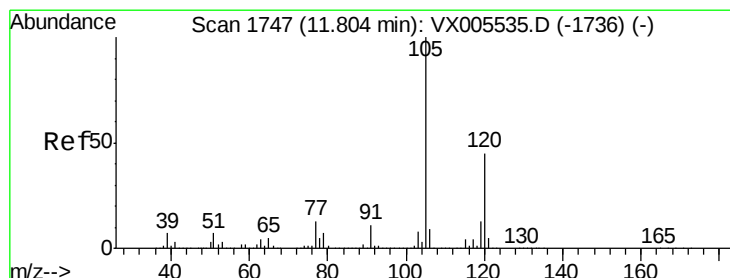
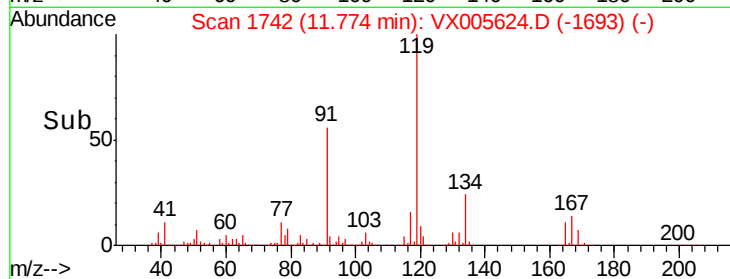
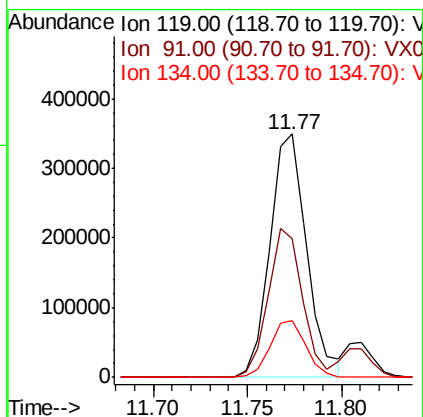
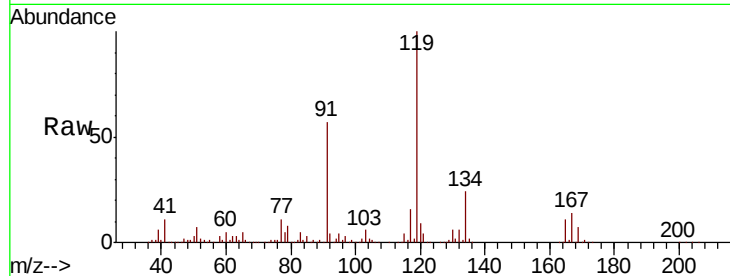




#83
 tert-Butylbenzene
 Concen: 52.647 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

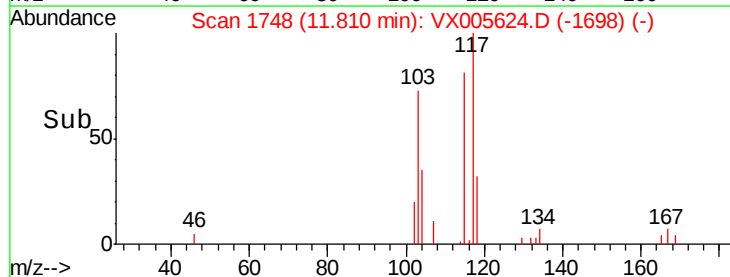
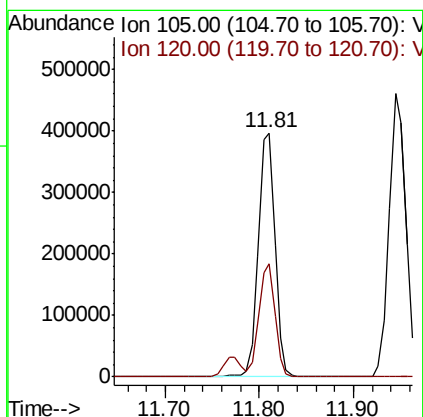
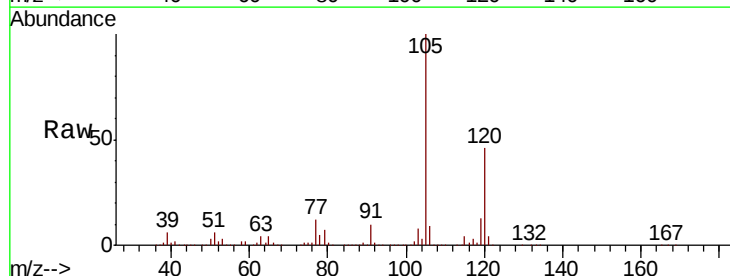
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

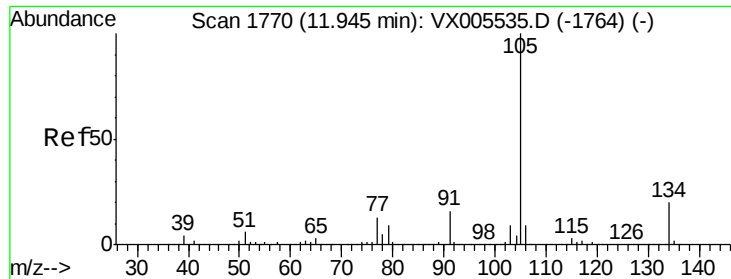
Tot Ion:119 Resp: 472947
 Ion Ratio Lower Upper
 119 100
 91 57.0 28.5 85.5
 134 22.6 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.874 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion:105 Resp: 492070
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0





#85

sec-Butylbenzene

Concen: 52.962 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

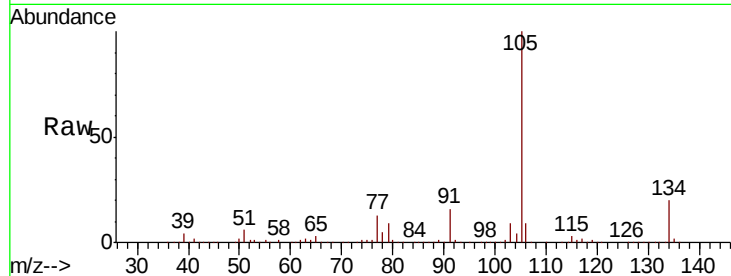
VSTDCCC050EC

Tot Ion:105 Resp: 567717

Ion Ratio Lower Upper

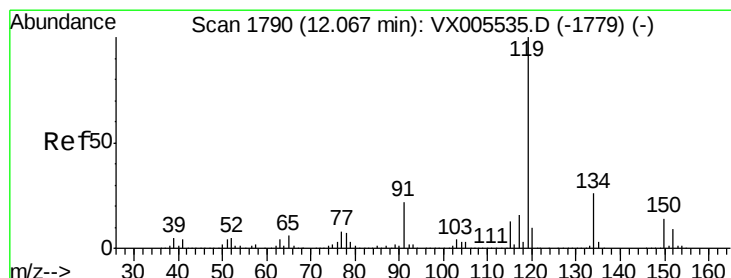
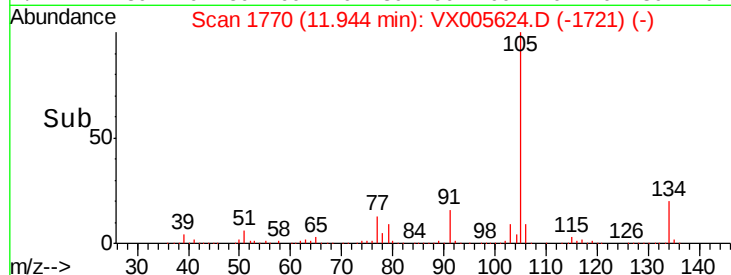
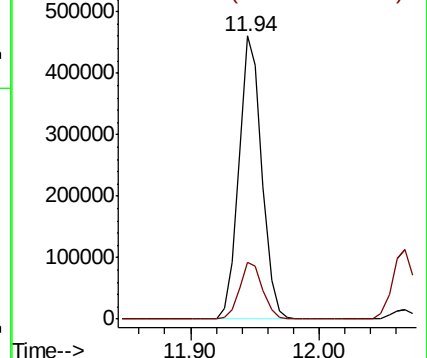
105 100

134 20.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.384 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

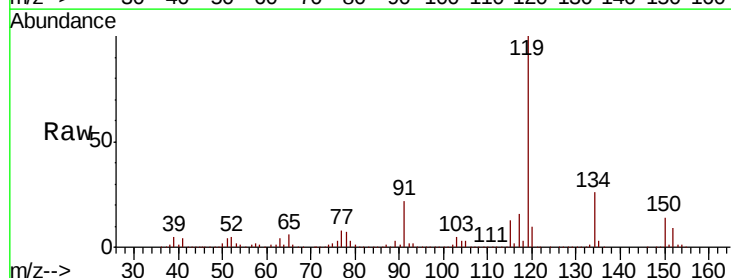
Tgt Ion:119 Resp: 511553

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

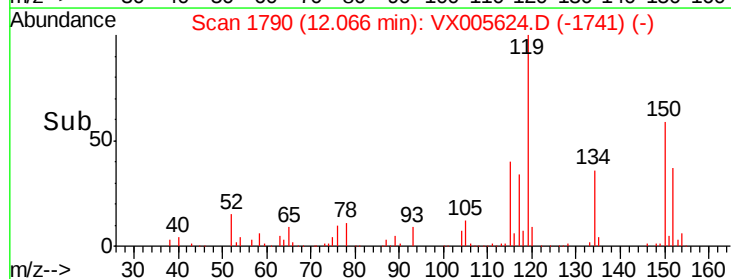
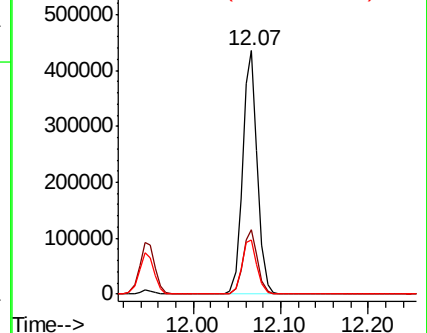
91 23.0 11.4 34.2

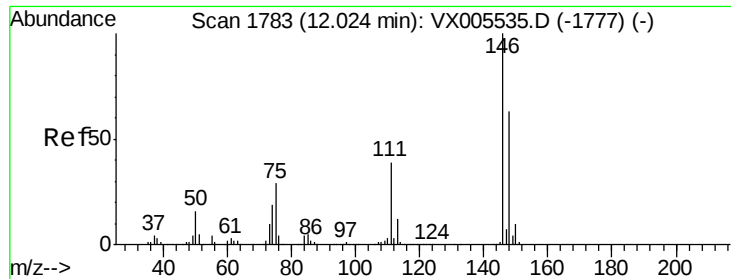


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

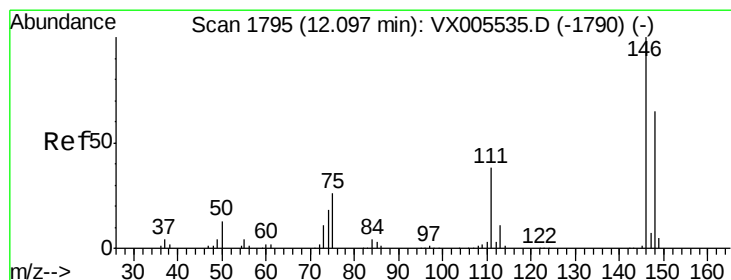
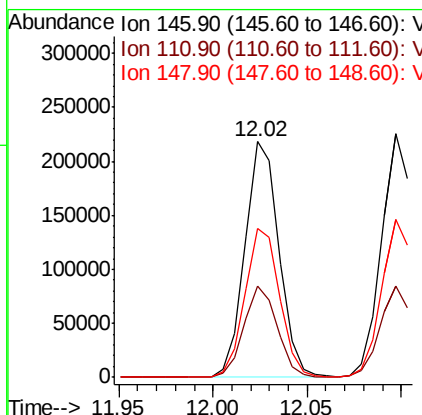
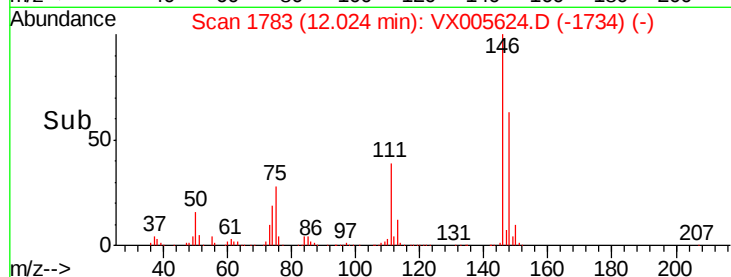
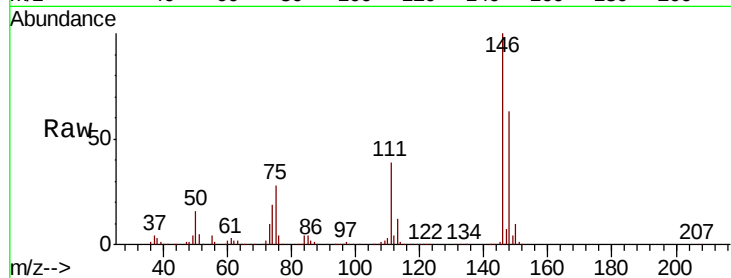




#87
 1,3-Dichlorobenzene
 Concen: 49.675 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

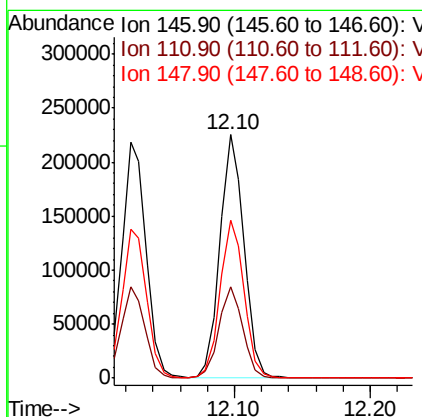
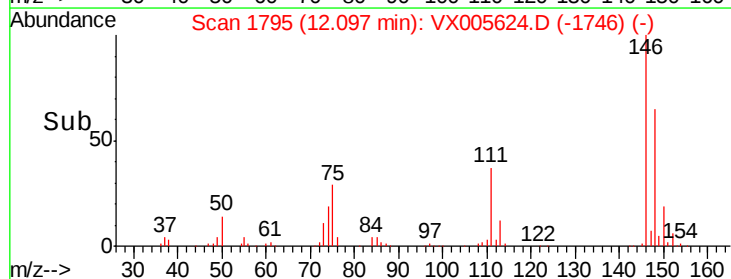
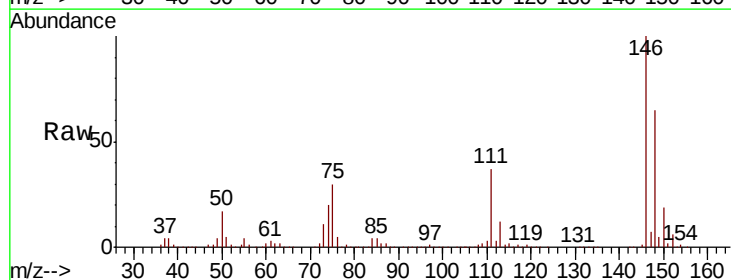
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

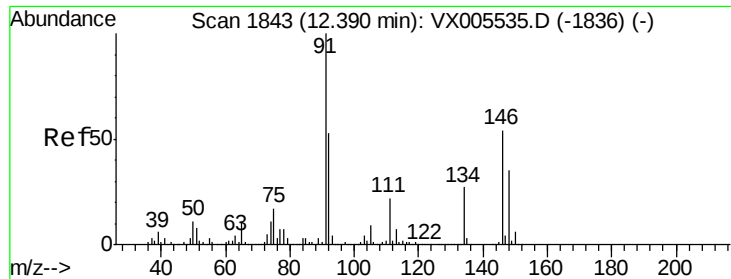
Tot Ion:146 Resp: 274256
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.0 57.0
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 47.989 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion:146 Resp: 276560
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 64.7 32.1 96.3

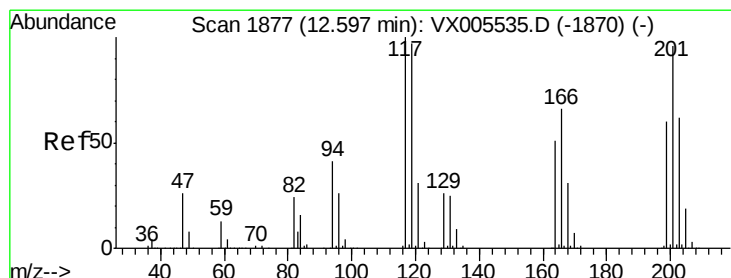
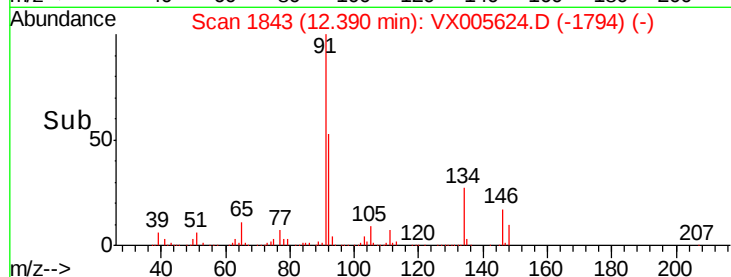
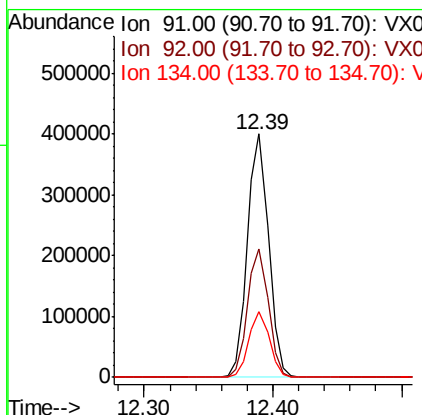
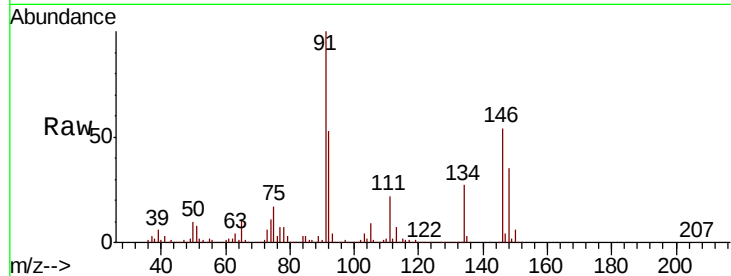




#89
n-Butylbenzene
Concen: 52.007 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

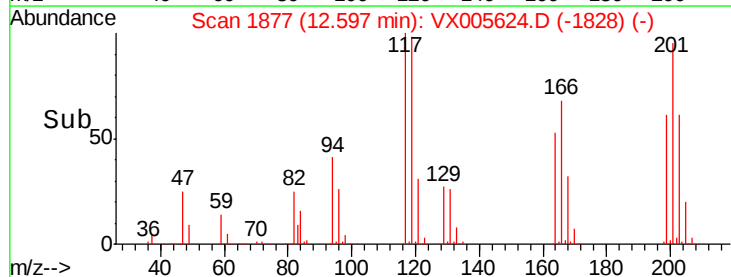
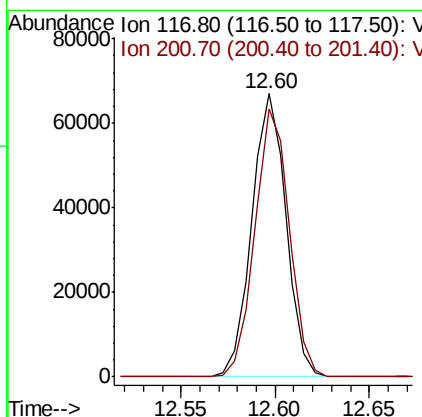
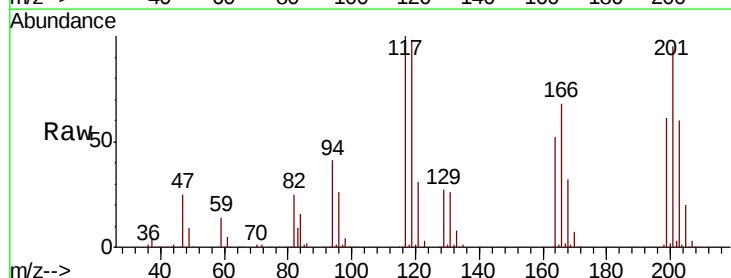
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

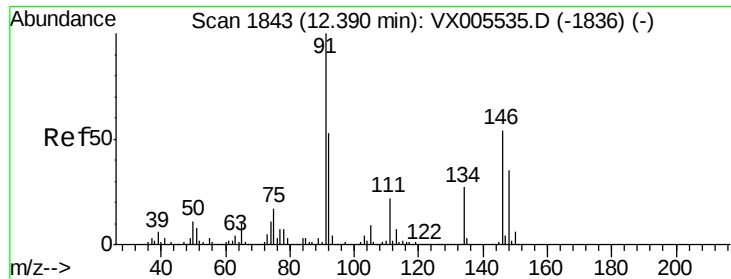
Tot Ion: 91 Resp: 449898
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.2
134 26.5 13.1 39.3



#90
Hexachloroethane
Concen: 50.899 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 117 Resp: 84121
Ion Ratio Lower Upper
117 100
201 95.6 47.9 143.6





#91

1,2-Dichlorobenzene

Concen: 48.983 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

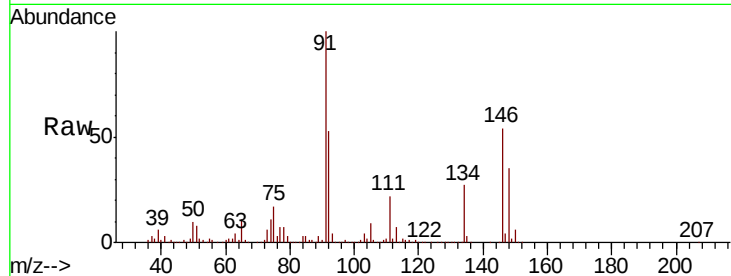
Tot Ion:146 Resp: 273608

Ion Ratio Lower Upper

146 100

111 40.0 20.0 59.9

148 64.7 32.2 96.6

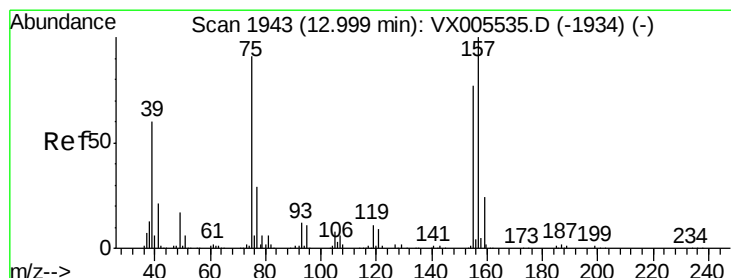
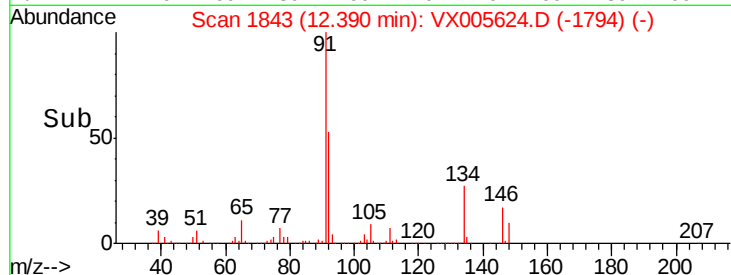
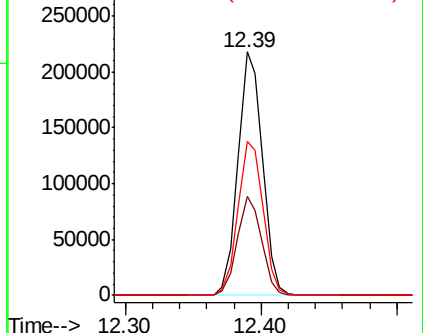


Abundance

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: 50.596 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

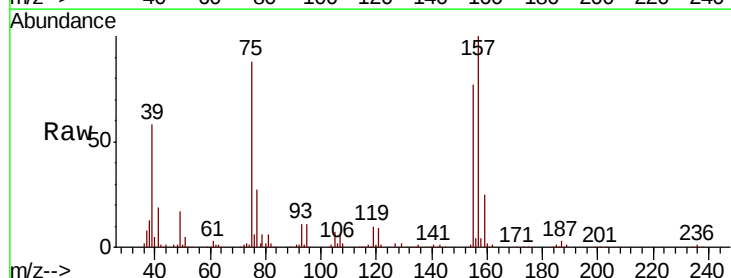
Tgt Ion: 75 Resp: 47548

Ion Ratio Lower Upper

75 100

155 90.6 45.4 136.1

157 117.6 57.4 172.0

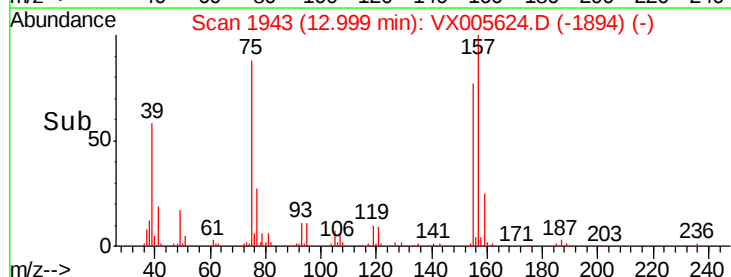
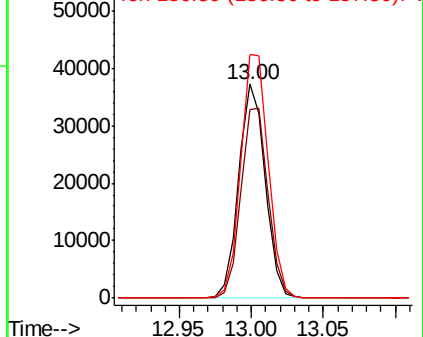


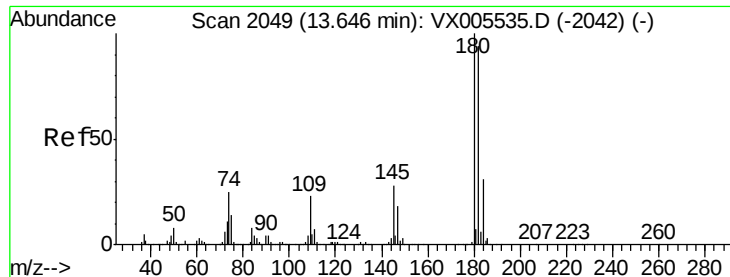
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

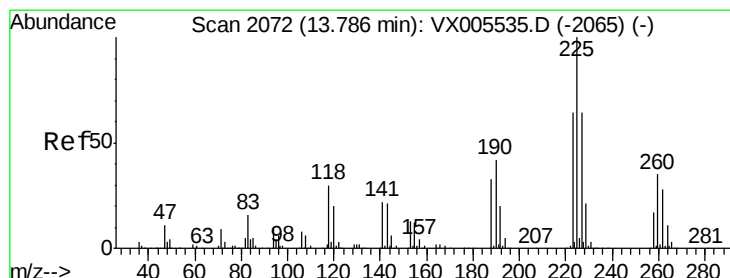
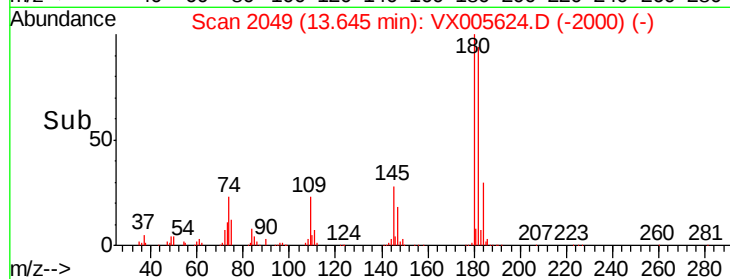
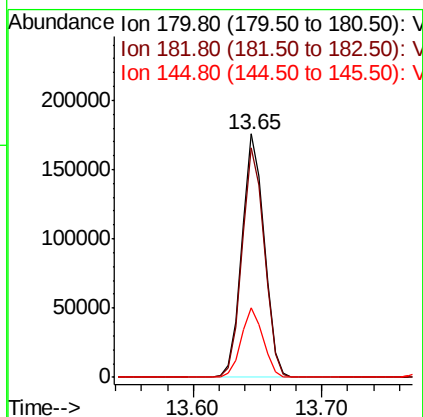
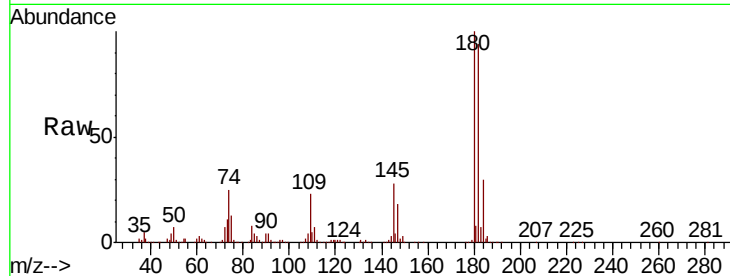




#93
 1,2,4-Trichlorobenzene
 Concen: 51.789 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

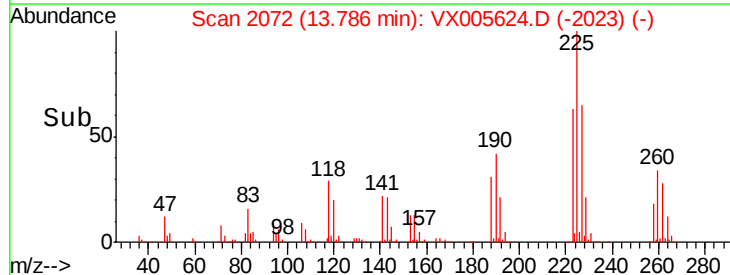
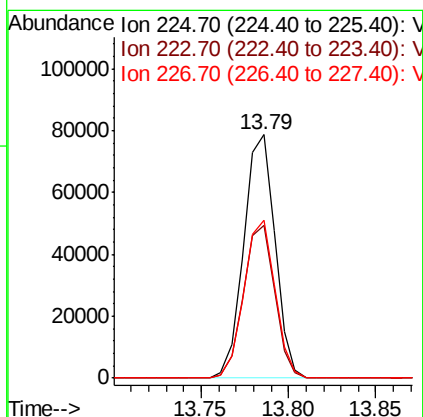
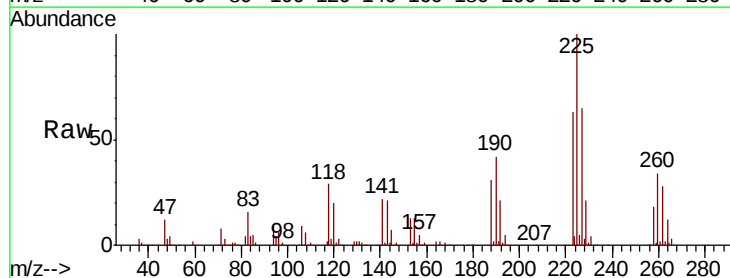
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

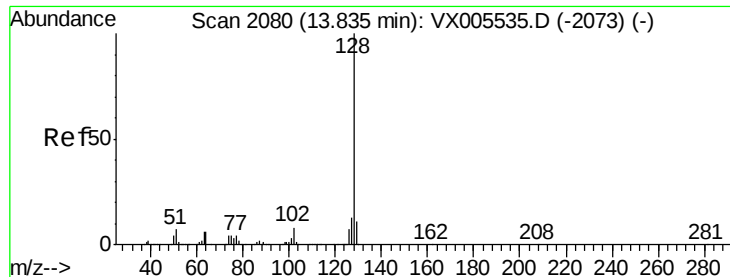
Tot Ion:180 Resp: 209702
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.6 142.8
 145 28.1 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 46.821 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion:225 Resp: 98246
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.7 95.1
 227 64.4 32.3 96.9

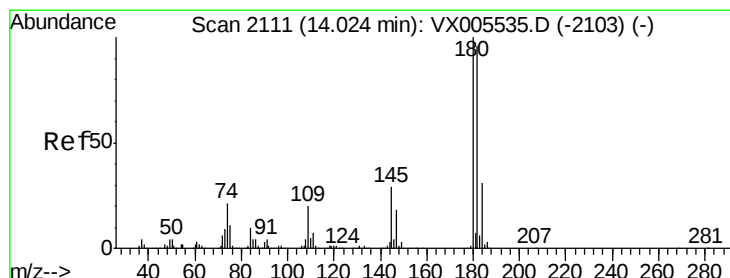
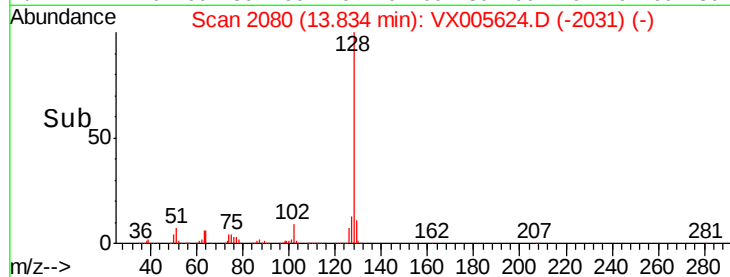
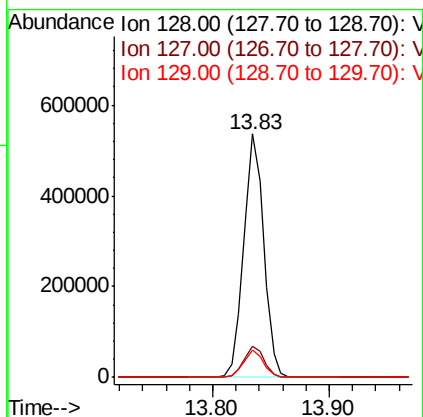
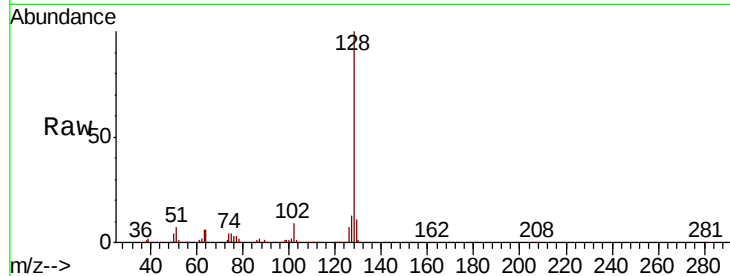




#95
Naphthalene
Concen: 55.096 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 648472
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.766 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion:180 Resp: 212479
Ion Ratio Lower Upper
180 100
182 95.8 48.0 144.2
145 30.5 15.1 45.3

