

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012419\
 Data File : VX007202.D
 Acq On : 24 Jan 2019 14:35
 Operator : JC/SP
 Sample : VX0124WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBSD01

Quant Time: Jan 25 00:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	454632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	679213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	604336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	308792	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	242396	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	5.51	113	221516	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	8.71	98	789345	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	277240	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	67199	17.999	ug/l	99
3) Chloromethane	1.33	50	71778	16.515	ug/l	97
4) Vinyl Chloride	1.41	62	83492	17.858	ug/l	97
5) Bromomethane	1.64	94	87276	17.473	ug/l	100
6) Chloroethane	1.71	64	57454	17.600	ug/l	98
7) Trichlorofluoromethane	1.93	101	145560	19.269	ug/l	100
8) Diethyl Ether	2.19	74	58833	19.576	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	85415	18.886	ug/l	97
10) Methyl Iodide	2.51	142	118567	19.436	ug/l	99
11) Tert butyl alcohol	3.08	59	120837	107.813	ug/l	99
12) 1,1-Dichloroethene	2.37	96	77430	18.531	ug/l	93
13) Acrolein	2.30	56	60612	126.929	ug/l	99
14) Allyl chloride	2.73	41	139751	19.515	ug/l	98
15) Acrylonitrile	3.15	53	273763	106.401	ug/l	100
16) Acetone	2.45	43	244174	103.953	ug/l	99
17) Carbon Disulfide	2.57	76	158660	14.748	ug/l	99
18) Methyl Acetate	2.78	43	152390	22.403	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	295109	20.348	ug/l	100
20) Methylene Chloride	2.86	84	91701	20.188	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	83498	17.932	ug/l	96
22) Diisopropyl ether	3.87	45	267392	19.862	ug/l	93
23) Vinyl Acetate	3.82	43	1085853	95.642	ug/l	99
24) 1,1-Dichloroethane	3.70	63	146359	19.442	ug/l	99
25) 2-Butanone	4.70	43	350154	104.184	ug/l	97
26) 2,2-Dichloropropane	4.59	77	97049	16.765	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	97127	18.911	ug/l	99
28) Bromochloromethane	5.02	49	66501	20.163	ug/l	95
29) Tetrahydrofuran	5.16	42	222065	101.670	ug/l	99
30) Chloroform	5.21	83	155964	19.788	ug/l	97
31) Cyclohexane	5.57	56	119742	17.872	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	128778	19.277	ug/l	98
36) 1,1-Dichloropropene	5.79	75	109407	18.527	ug/l	99
37) Ethyl Acetate	4.86	43	131188	20.722	ug/l	99
38) Carbon Tetrachloride	5.78	117	108733	18.301	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	128064	17.011	ug/l	98
40) Benzene	6.15	78	341710	18.964	ug/l	97
41) Methacrylonitrile	5.06	41	69550	19.070	ug/l	97
42) 1,2-Dichloroethane	6.20	62	120814	19.403	ug/l	100
43) Isopropyl Acetate	6.46	43	194143	19.441	ug/l	99
44) Trichloroethene	7.21	130	100478	18.609	ug/l	97
45) 1,2-Dichloropropane	7.52	63	88395	19.514	ug/l	100
46) Dibromomethane	7.66	93	62201	19.538	ug/l	97
47) Bromodichloromethane	7.90	83	105705	19.506	ug/l	94
48) Methyl methacrylate	7.77	41	99162	19.336	ug/l	97
49) 1,4-Dioxane	7.75	88	49355	416.420	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	674141	105.044	ug/l	98
52) Toluene	8.79	92	216151	18.664	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	108560	18.066	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	121742	18.346	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	96776	20.877	ug/l	96
56) Ethyl methacrylate	9.18	69	128789	19.031	ug/l	93
57) 1,3-Dichloropropane	9.37	76	151895	20.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	368609	105.940	ug/l	98
59) 2-Hexanone	9.49	43	498612	101.952	ug/l	100
60) Dibromochloromethane	9.59	129	90968	20.210	ug/l	98
61) 1,2-Dibromoethane	9.67	107	101448	19.879	ug/l	99
64) Tetrachloroethene	9.34	164	102017	19.498	ug/l	95
65) Chlorobenzene	10.14	112	255152	19.358	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	87990	19.844	ug/l	98
67) Ethyl Benzene	10.25	91	406694	18.690	ug/l	99
68) m/p-Xylenes	10.36	106	319266	37.240	ug/l	100
69) o-Xylene	10.70	106	157107	18.791	ug/l	97
70) Styrene	10.71	104	253444	19.139	ug/l	99
71) Bromoform	10.86	173	62513	18.996	ug/l #	98
73) Isopropylbenzene	11.02	105	420831	19.327	ug/l	98
74) N-amyl acetate	10.90	43	166576	19.001	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	138682	20.062	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	146314	23.382	ug/l	92
77) Bromobenzene	11.26	156	115407	19.236	ug/l	99
78) n-propylbenzene	11.36	91	460039	19.246	ug/l	99
79) 2-Chlorotoluene	11.42	91	272290	18.924	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	341540	18.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	30341	17.308	ug/l	89
82) 4-Chlorotoluene	11.51	91	312636	18.766	ug/l	98
83) tert-Butylbenzene	11.77	119	347560	19.147	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	350948	19.182	ug/l	99
85) sec-Butylbenzene	11.94	105	415759	19.178	ug/l	100
86) p-Isopropyltoluene	12.07	119	368097	18.983	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	205605	18.960	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	203398	19.884	ug/l	100
89) n-Butylbenzene	12.39	91	303341	18.350	ug/l	98
90) Hexachloroethane	12.60	117	52912	19.006	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	205359	19.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26442	19.341	ug/l	98

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Quant Time: Jan 25 00:02:59 2019
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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

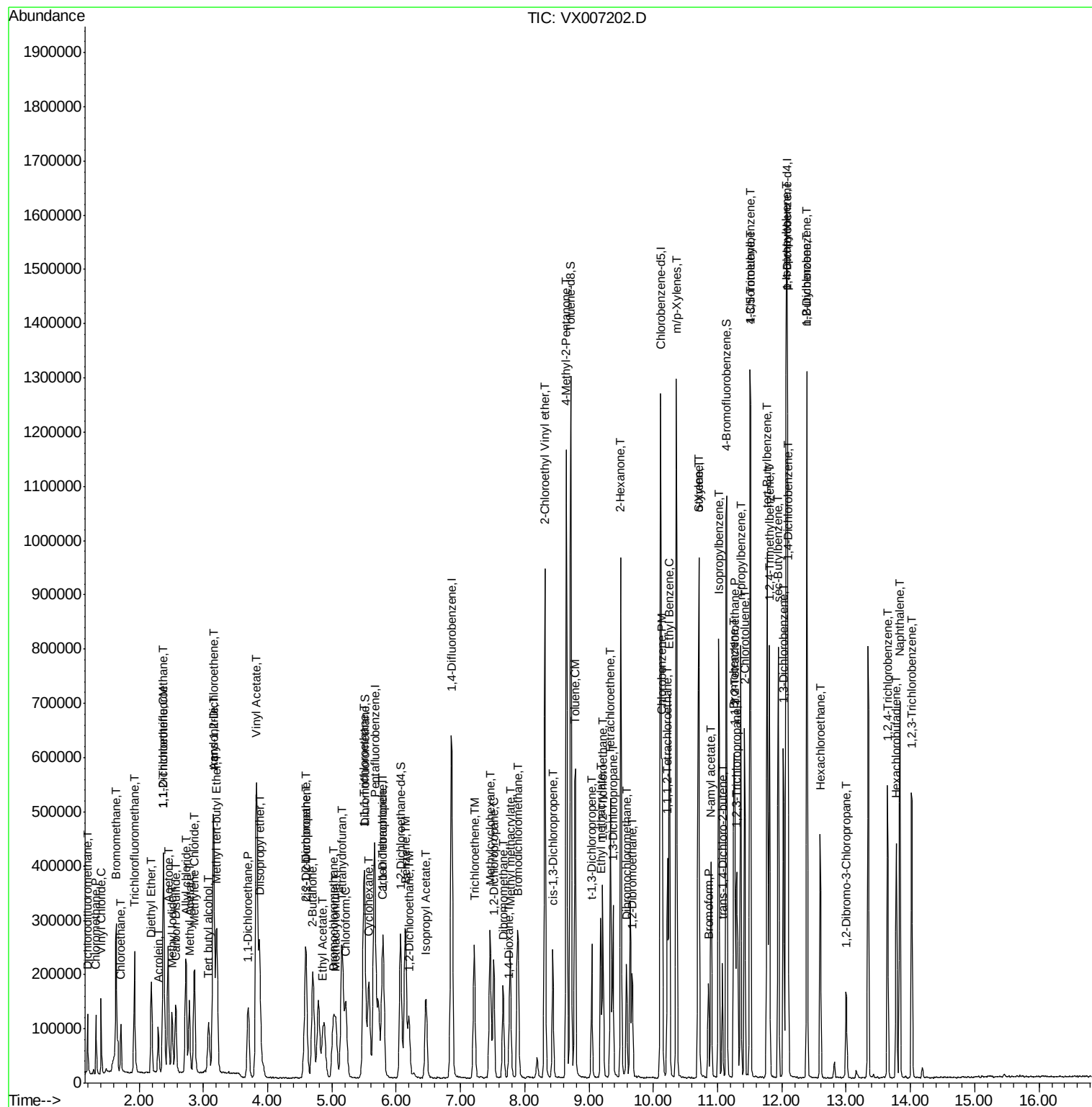
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	133010	18.116	ug/l	99
94) Hexachlorobutadiene	13.78	225	64023	19.650	ug/l	98
95) Naphthalene	13.83	128	430326	19.342	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	137320	18.828	ug/l	99

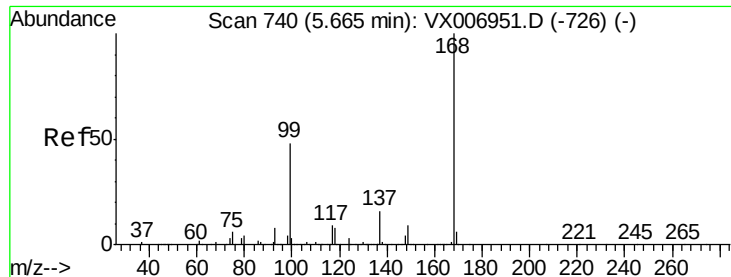
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 25 00:02:59 2019
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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

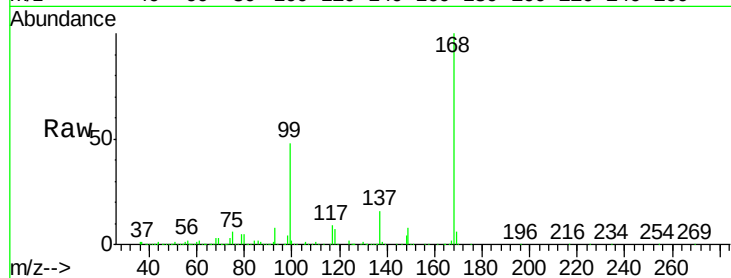
VX0124WBSD01

Tot Ion:168 Resp: 454632

Ion Ratio Lower Upper

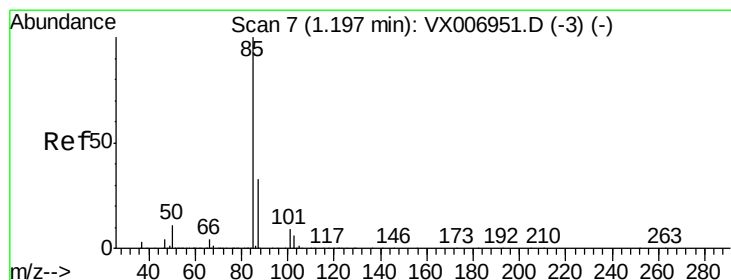
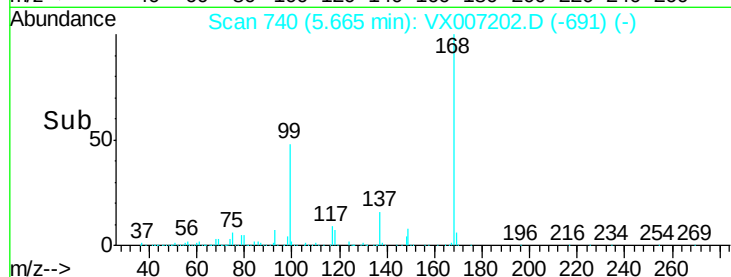
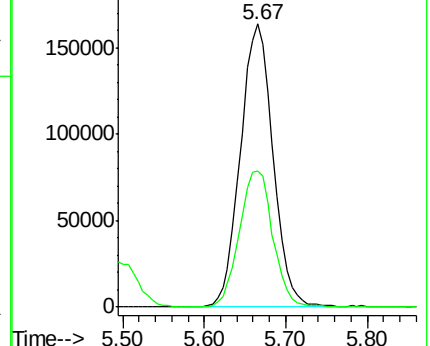
168 100

99 47.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.999 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007202.D

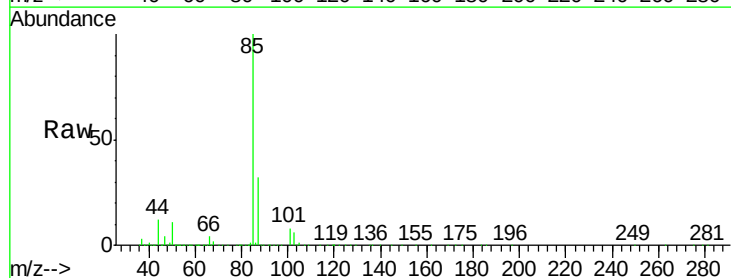
Acq: 24 Jan 2019 14:35

Tgt Ion: 85 Resp: 67199

Ion Ratio Lower Upper

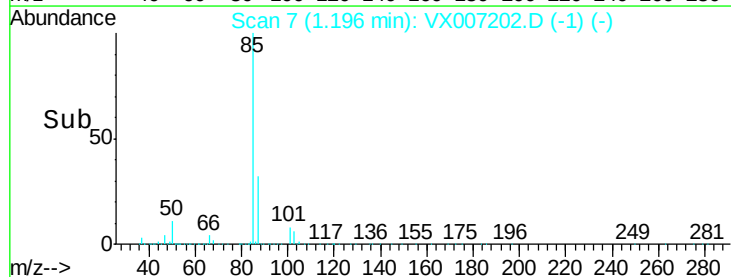
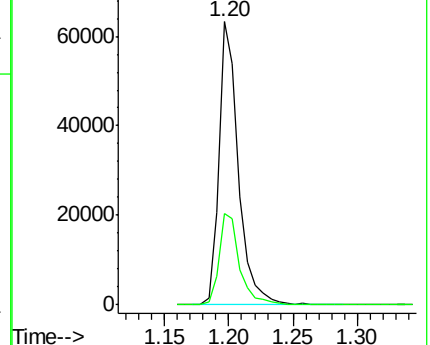
85 100

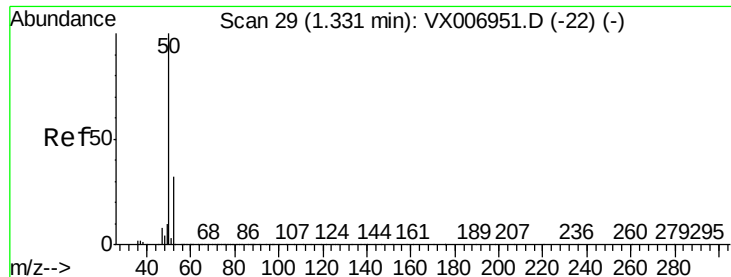
87 32.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.515 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

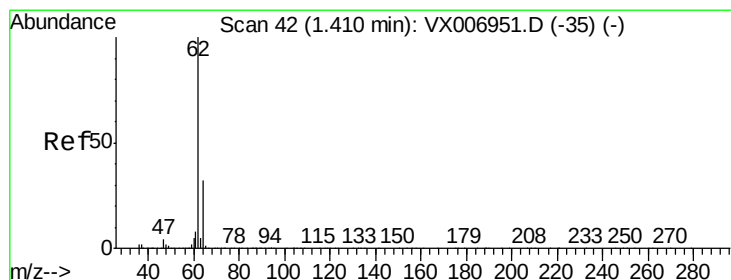
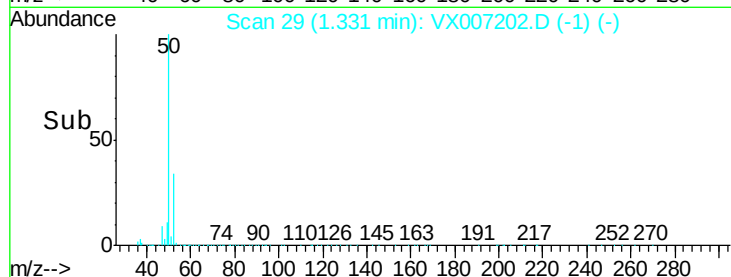
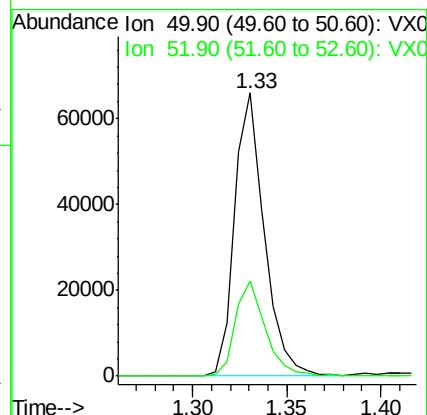
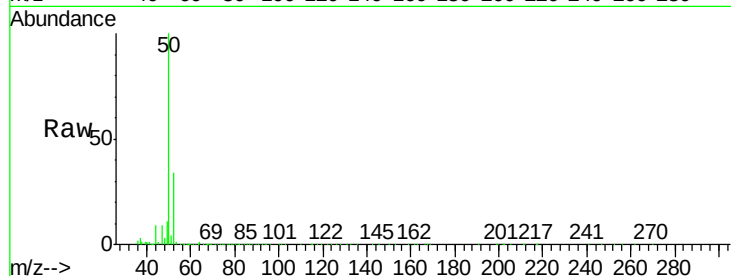
VX0124WBSD01

Tot Ion: 50 Resp: 71778

Ion Ratio Lower Upper

50 100

52 33.3 25.4 38.2



#4

Vinyl Chloride

Concen: 17.858 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007202.D

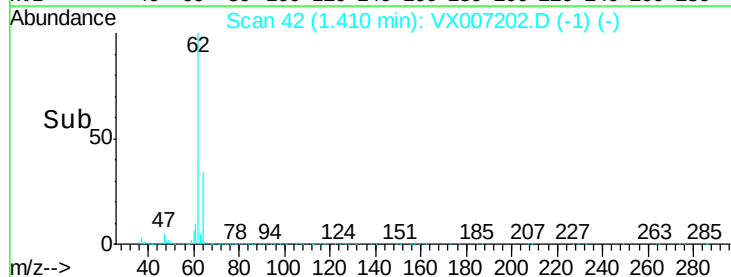
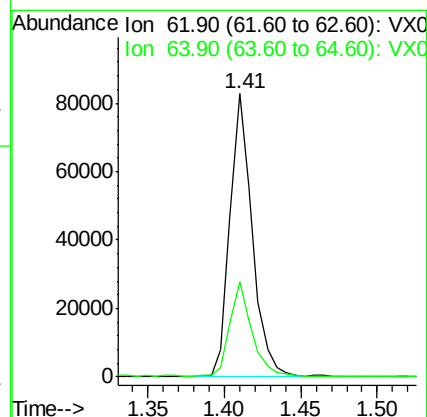
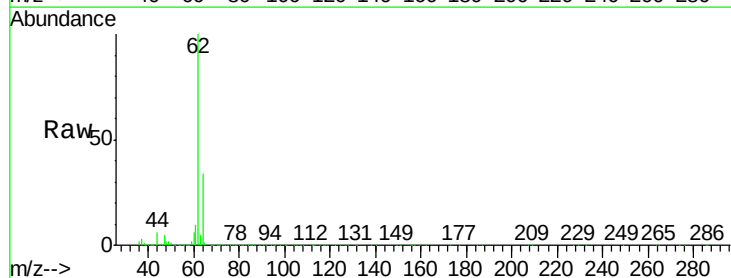
Acq: 24 Jan 2019 14:35

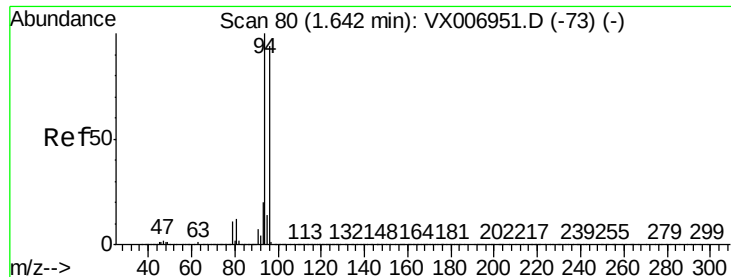
Tgt Ion: 62 Resp: 83492

Ion Ratio Lower Upper

62 100

64 33.2 25.1 37.7





#5

Bromomethane

Concen: 17.473 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

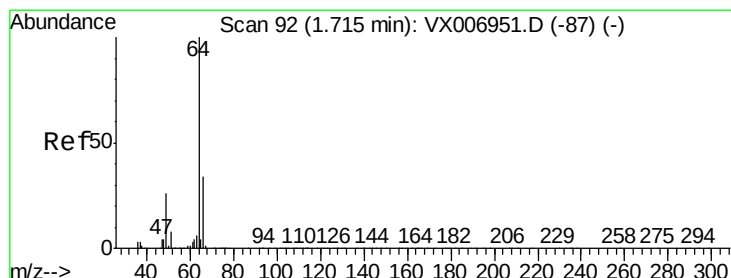
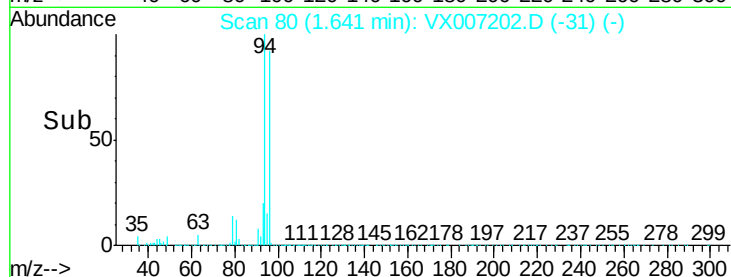
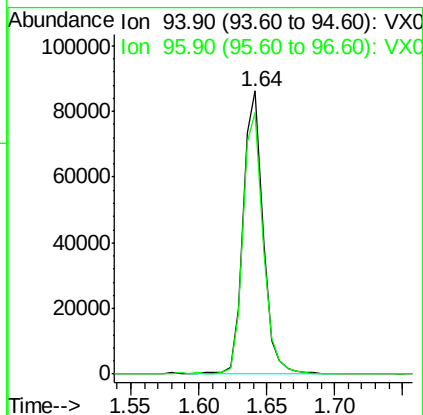
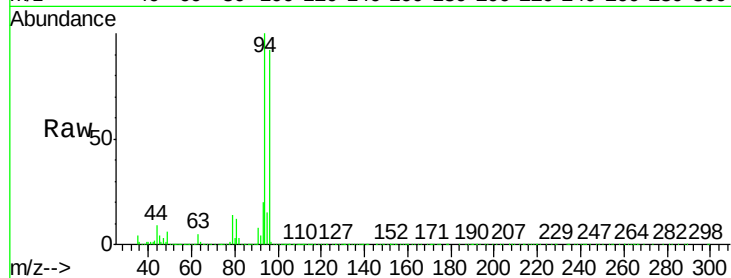
VX0124WBSD01

Tot Ion: 94 Resp: 87276

Ion Ratio Lower Upper

94 100

96 92.2 73.4 110.2



#6

Chloroethane

Concen: 17.600 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007202.D

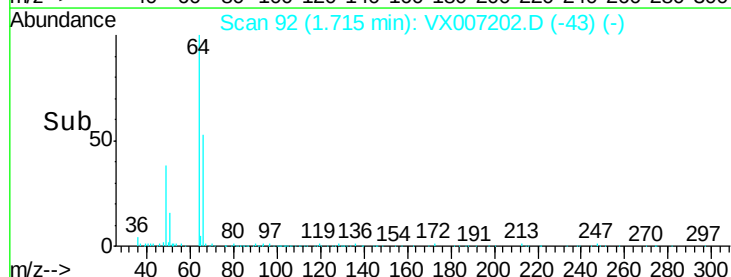
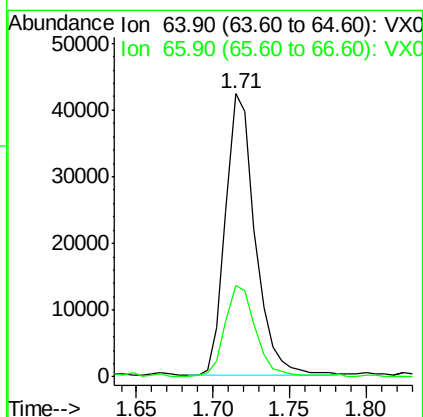
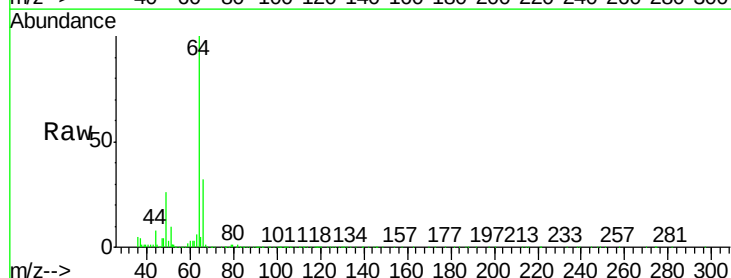
Acq: 24 Jan 2019 14:35

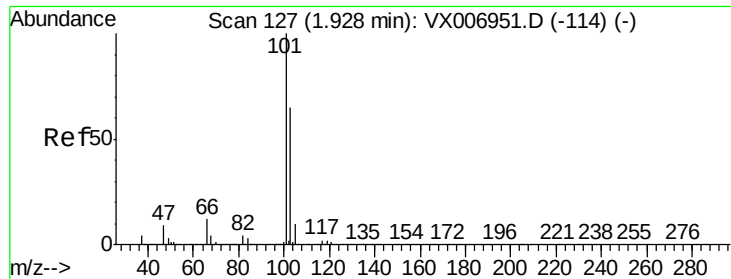
Tgt Ion: 64 Resp: 57454

Ion Ratio Lower Upper

64 100

66 32.0 26.4 39.6



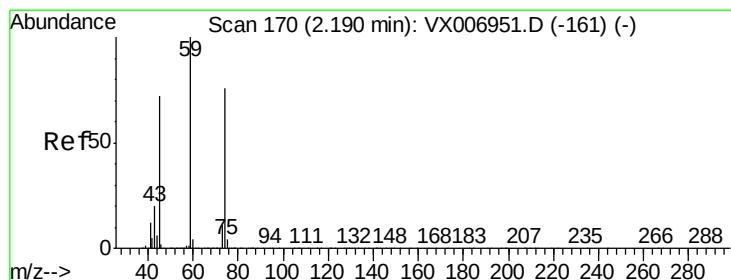
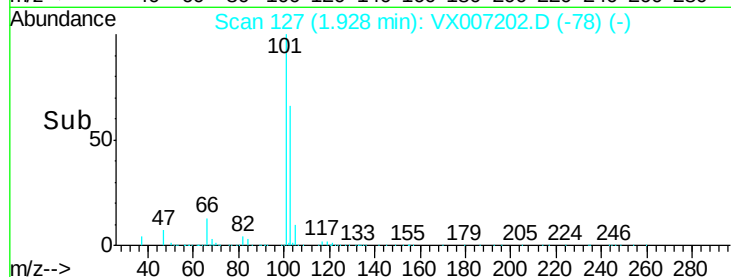
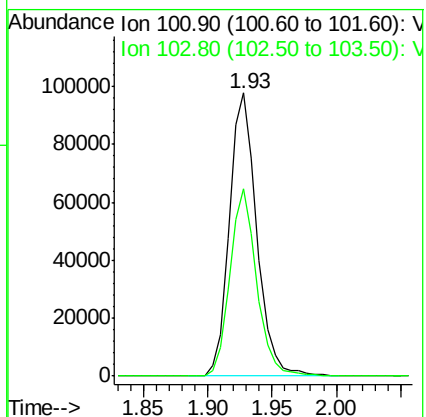
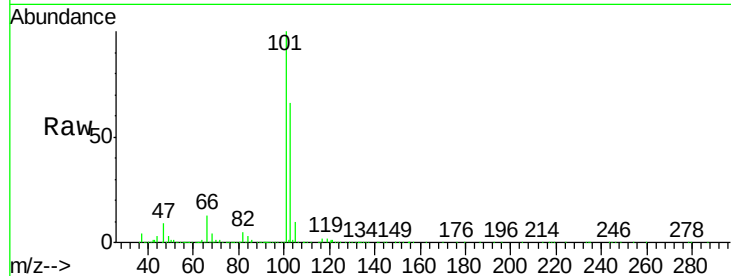


#7

Trichlorofluoromethane
Concen: 19.269 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

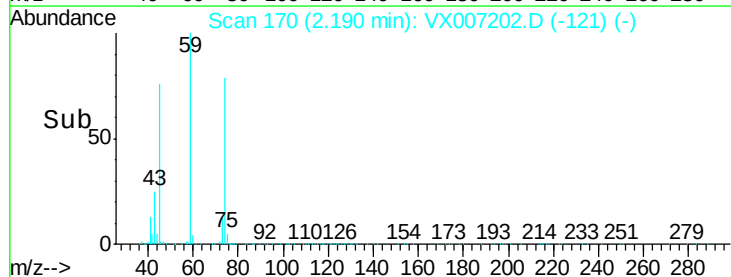
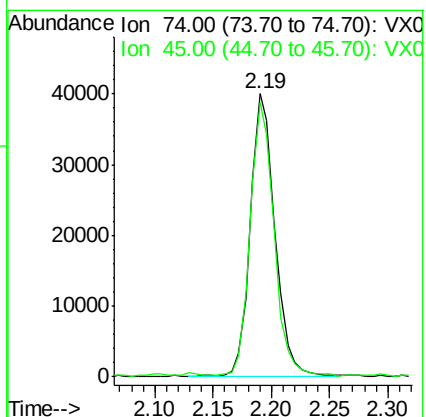
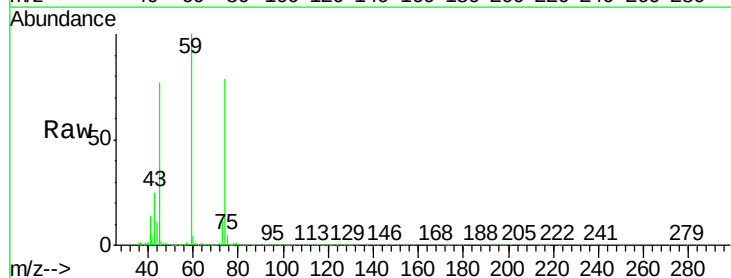
Tot Ion:101 Resp: 145560
Ion Ratio Lower Upper
101 100
103 66.1 53.2 79.8

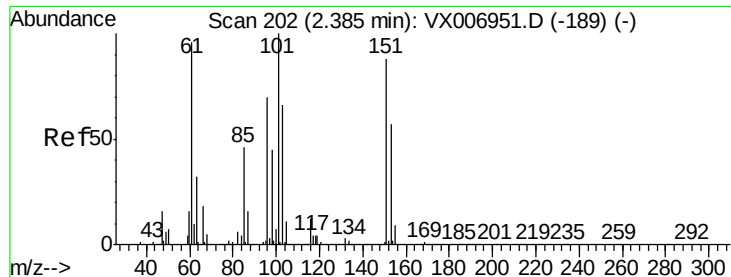


#8

Diethyl Ether
Concen: 19.576 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion: 74 Resp: 58833
Ion Ratio Lower Upper
74 100
45 94.1 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.886 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

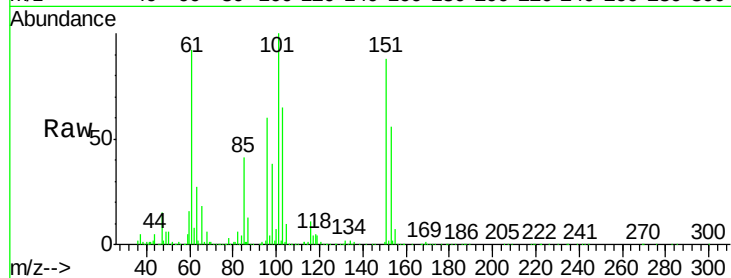
Tot Ion:101 Resp: 85415

Ion Ratio Lower Upper

101 100

85 44.6 35.1 52.7

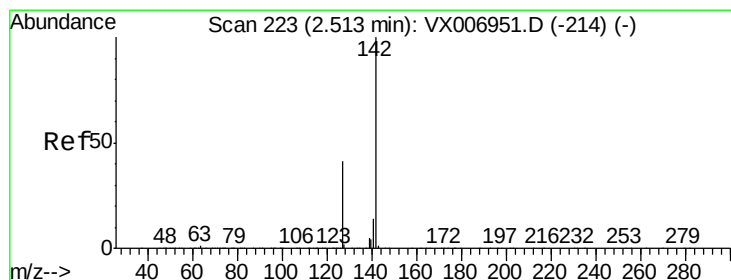
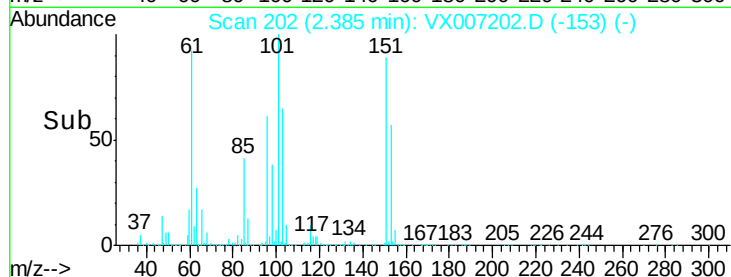
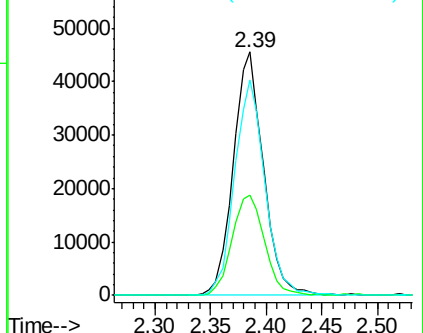
151 89.1 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.436 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

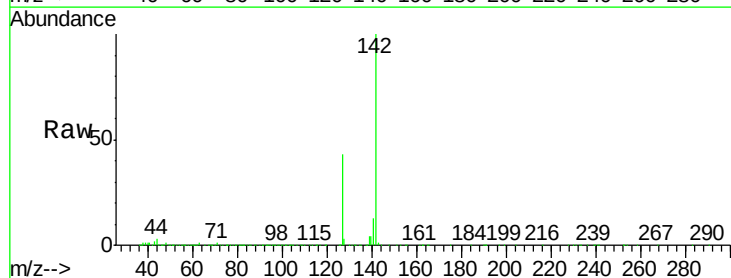
Tgt Ion:142 Resp: 118567

Ion Ratio Lower Upper

142 100

127 43.3 33.9 50.9

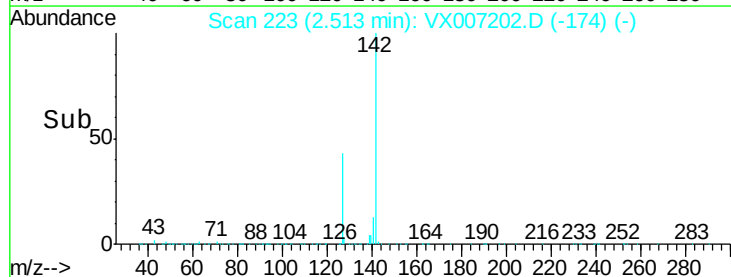
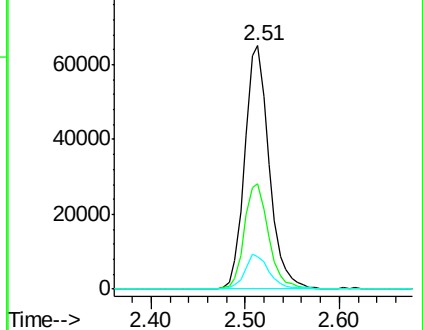
141 14.3 11.4 17.0

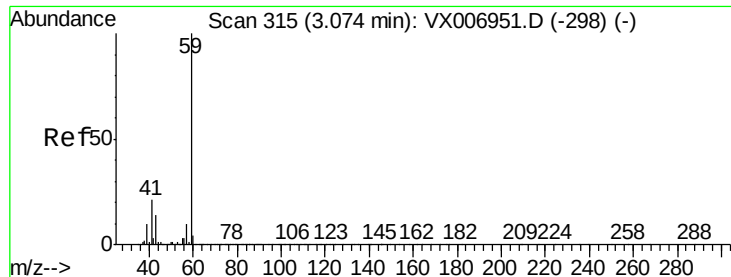


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



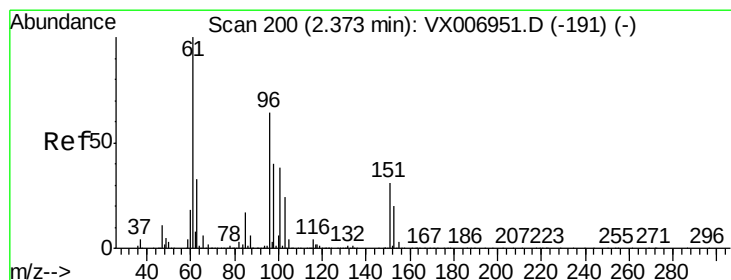
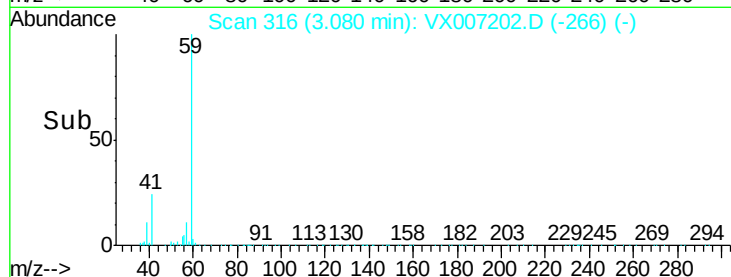
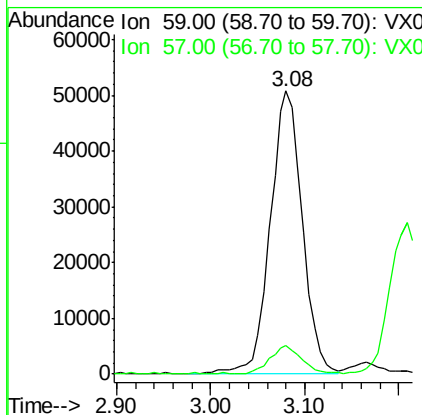
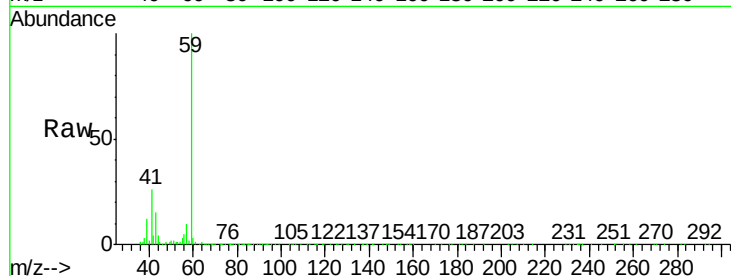


#11

Tert butyl alcohol
Concen: 107.813 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

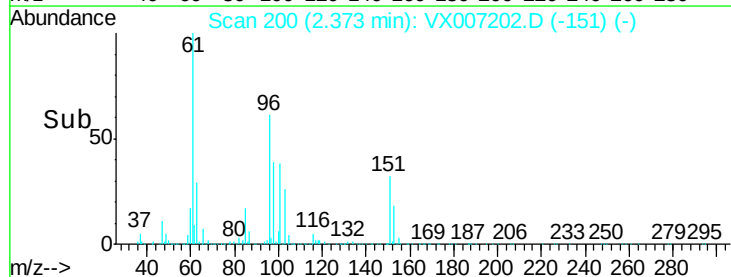
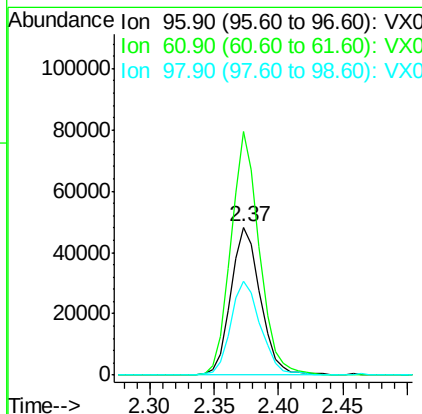
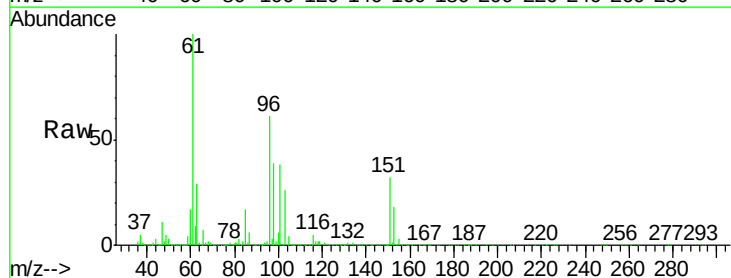
Tot Ion: 59 Resp: 120837
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7

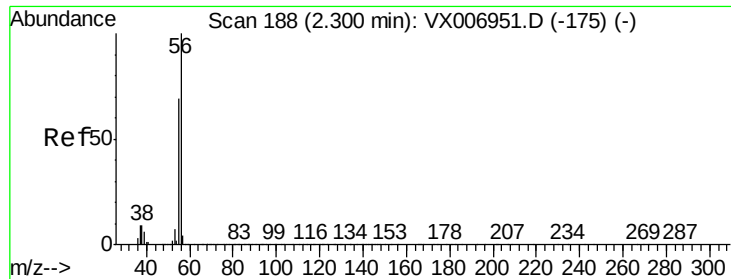


#12

1,1-Dichloroethene
Concen: 18.531 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion: 96 Resp: 77430
Ion Ratio Lower Upper
96 100
61 164.2 121.4 182.2
98 63.5 51.9 77.9

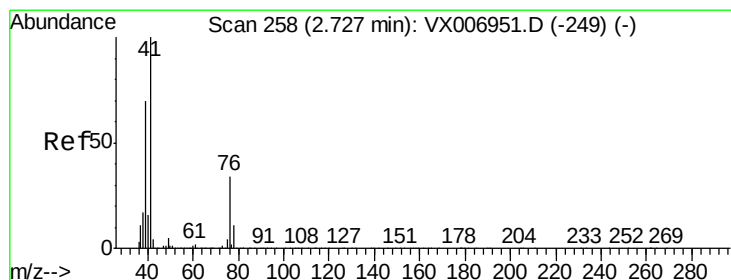
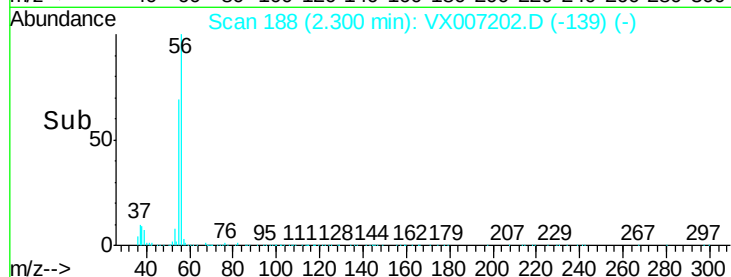
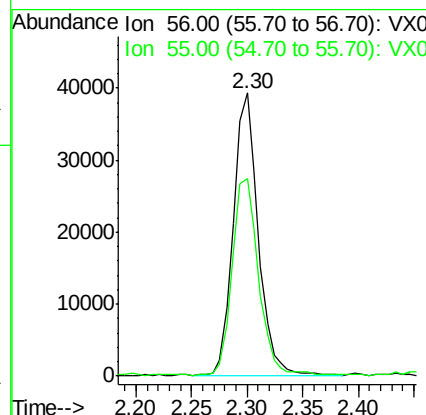
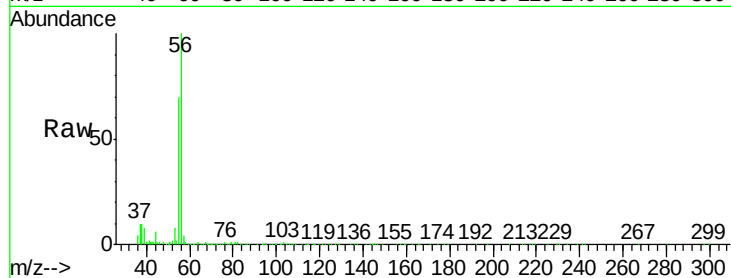




#13
Acrolein
Concen: 126.929 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

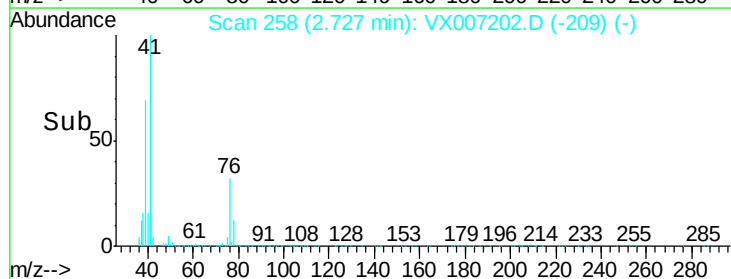
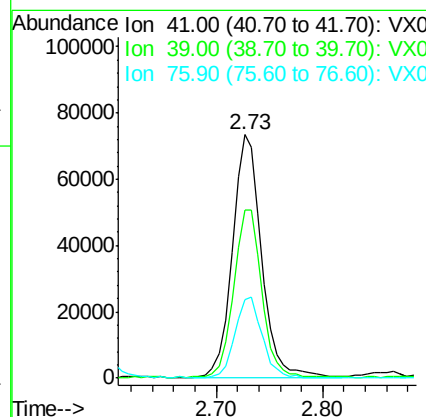
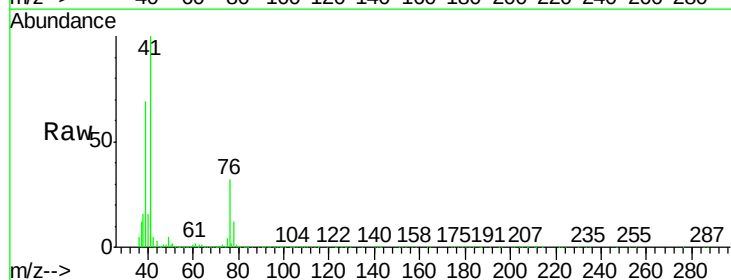
Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

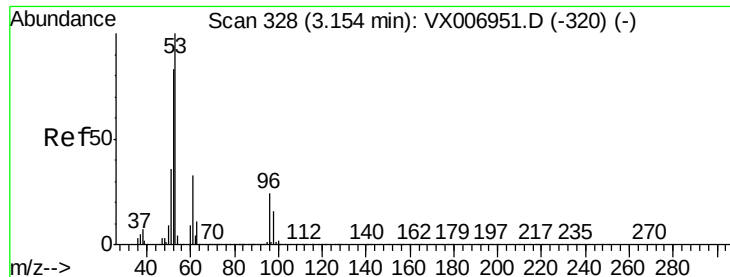
Tot Ion: 56 Resp: 60612
Ion Ratio Lower Upper
56 100
55 73.6 58.2 87.4



#14
Allyl chloride
Concen: 19.515 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion: 41 Resp: 139751
Ion Ratio Lower Upper
41 100
39 66.5 53.6 80.4
76 30.9 27.4 41.2





#15

Acrylonitrile

Concen: 106.401 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampled :

VX0124WBSD01

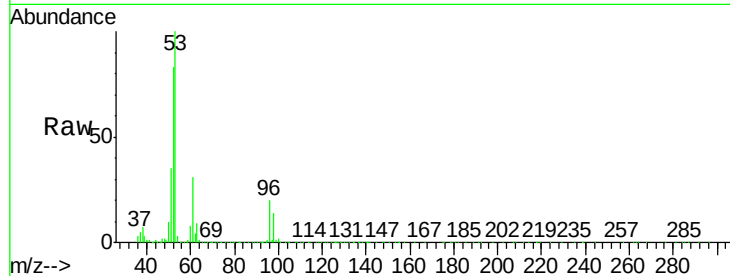
Tot Ion: 53 Resp: 273763

Ion Ratio Lower Upper

53 100

52 82.5 66.0 99.0

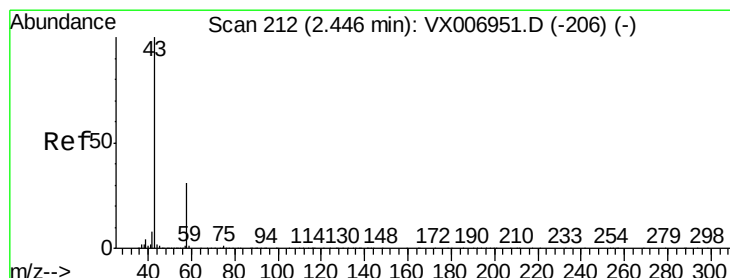
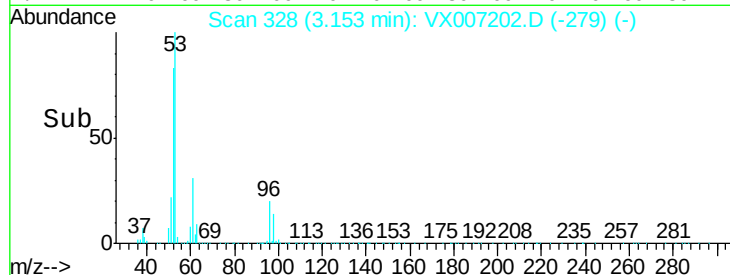
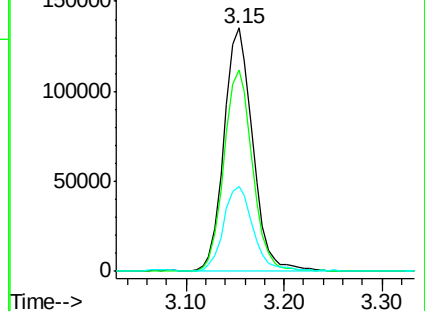
51 36.2 28.6 42.8



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: 103.953 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007202.D

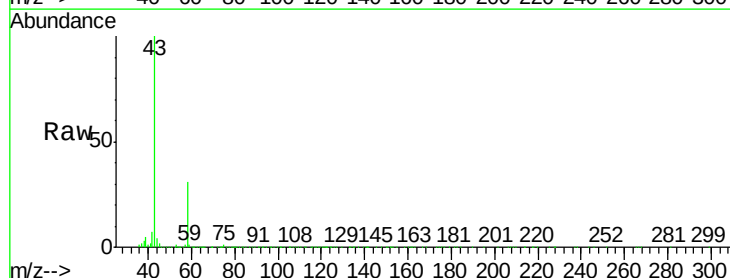
Acq: 24 Jan 2019 14:35

Tgt Ion: 43 Resp: 244174

Ion Ratio Lower Upper

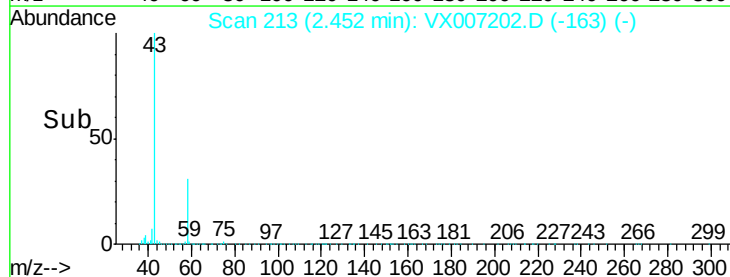
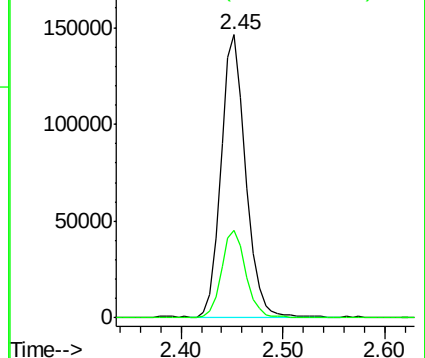
43 100

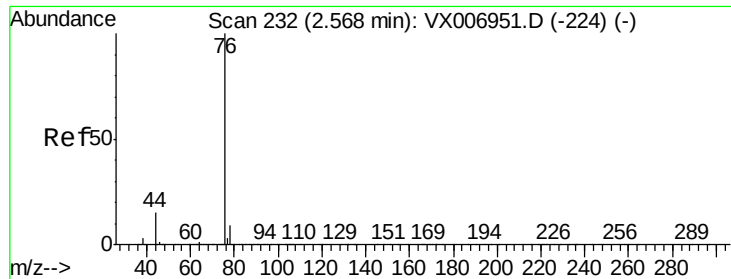
58 30.8 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 14.748 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

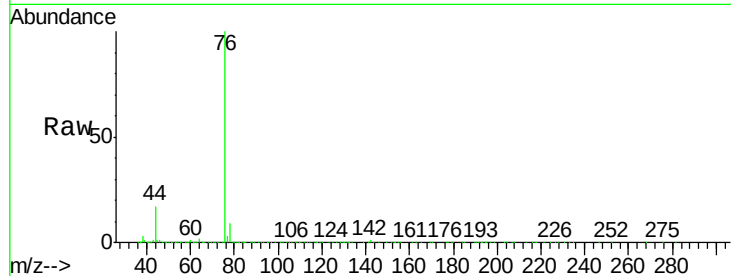
VX0124WBSD01

Tot Ion: 76 Resp: 158660

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

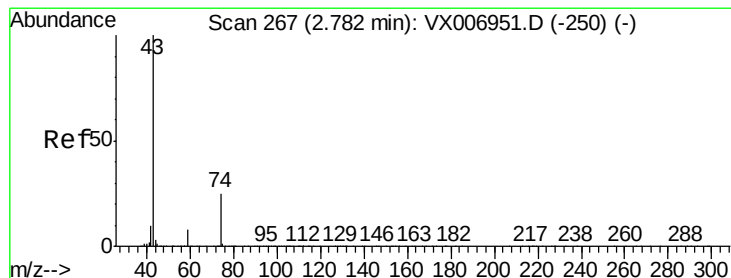
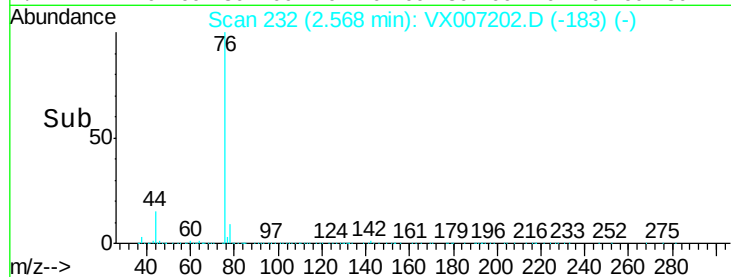
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.403 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007202.D

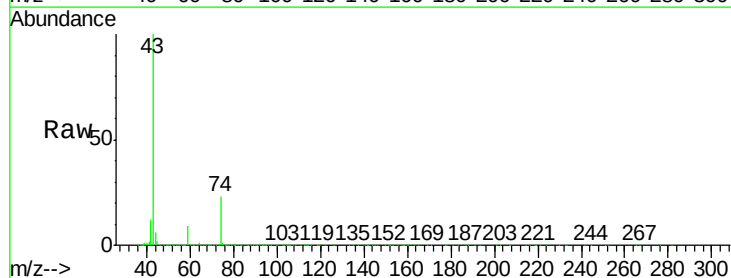
Acq: 24 Jan 2019 14:35

Tgt Ion: 43 Resp: 152390

Ion Ratio Lower Upper

43 100

74 24.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

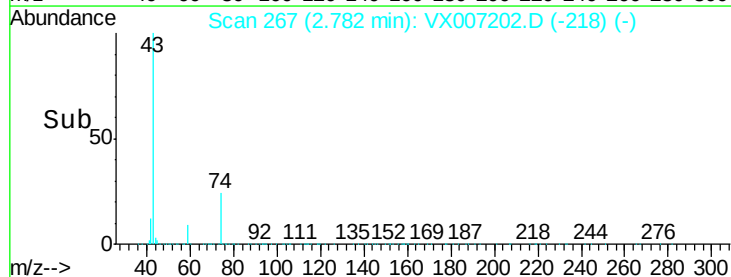
60000

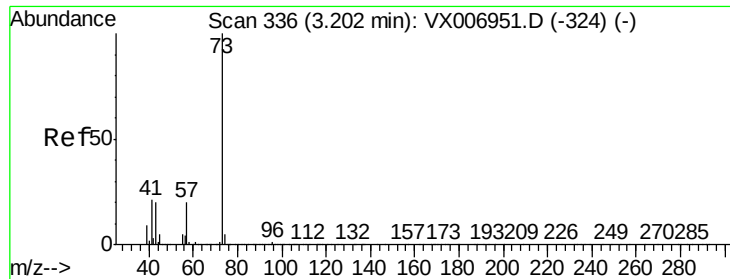
40000

20000

0

Time-->



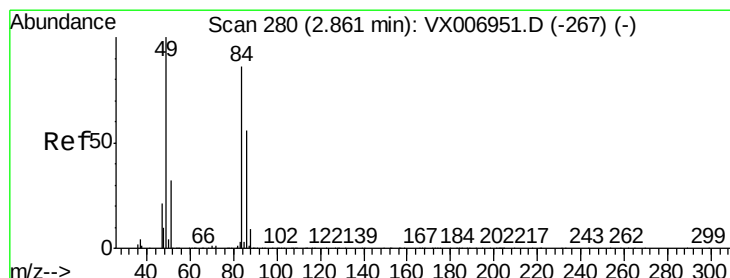
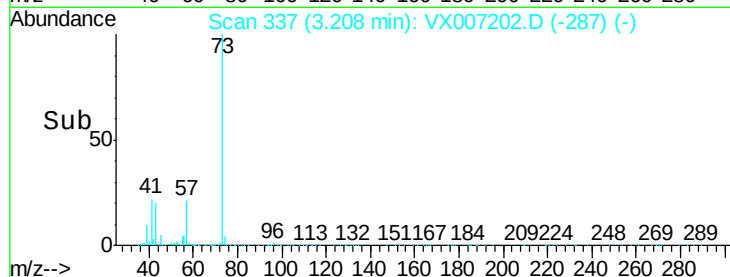
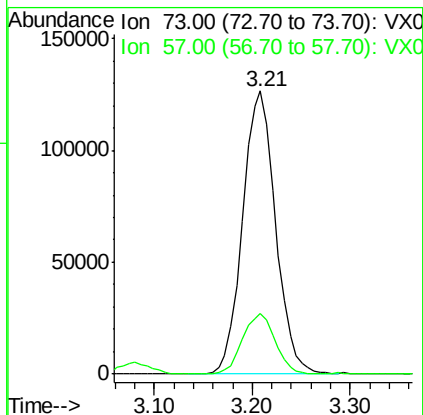
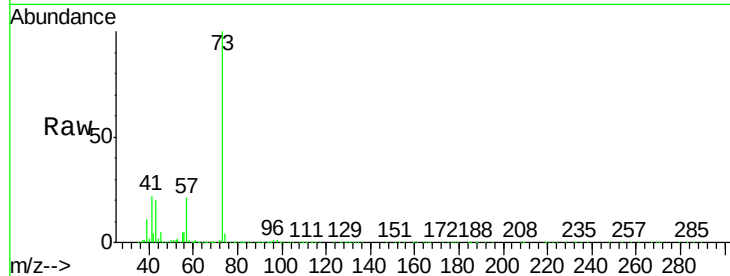


#19

Methyl tert-butyl Ether
 Concen: 20.348 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007202.D
 Acq: 24 Jan 2019 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBSD01

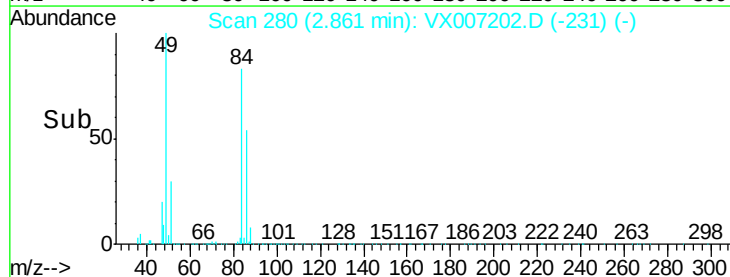
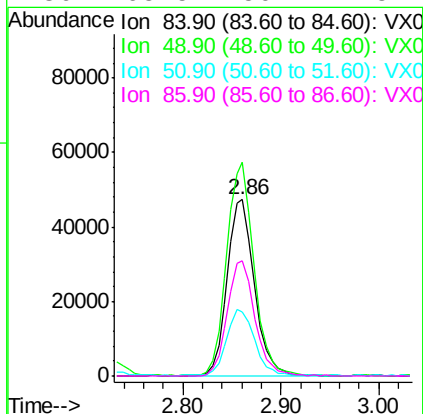
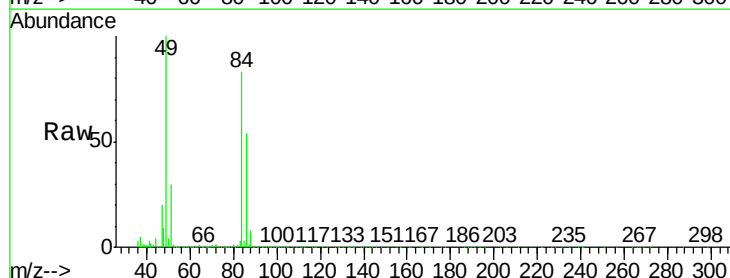
Tot Ion: 73 Resp: 295109
 Ion Ratio Lower Upper
 73 100
 57 21.2 16.8 25.2

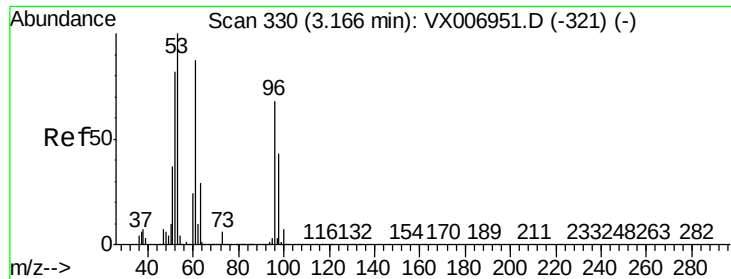


#20

Methylene Chloride
 Concen: 20.188 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007202.D
 Acq: 24 Jan 2019 14:35

Tgt Ion: 84 Resp: 91701
 Ion Ratio Lower Upper
 84 100
 49 120.9 91.8 137.6
 51 35.6 28.5 42.7
 86 65.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 17.932 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

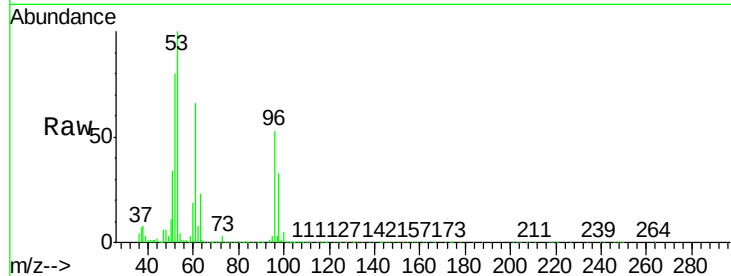
Tot Ion: 96 Resp: 83498

Ion Ratio Lower Upper

96 100

61 123.3 103.7 155.5

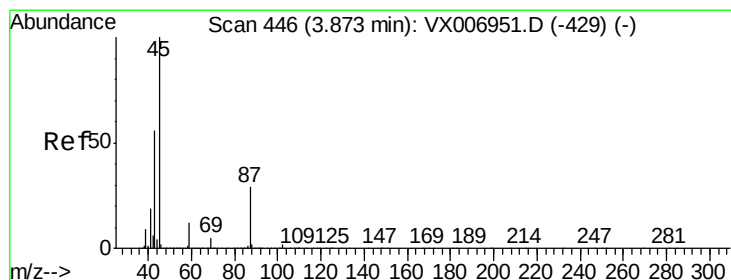
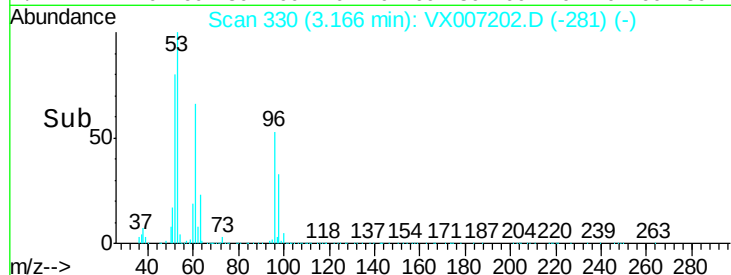
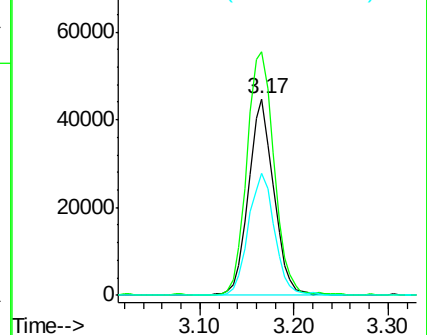
98 61.8 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.862 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Tgt Ion: 45 Resp: 267392

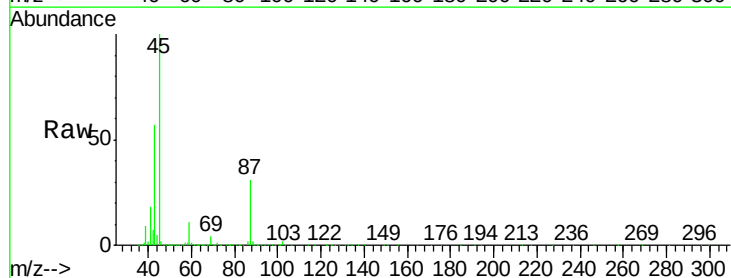
Ion Ratio Lower Upper

45 100

43 56.2 51.2 76.8

87 30.7 25.8 38.6

59 11.2 9.0 13.4

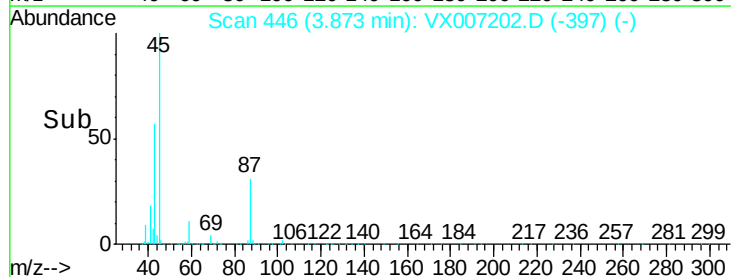
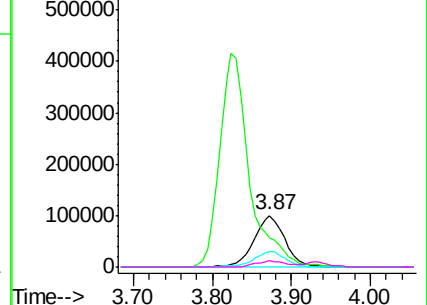


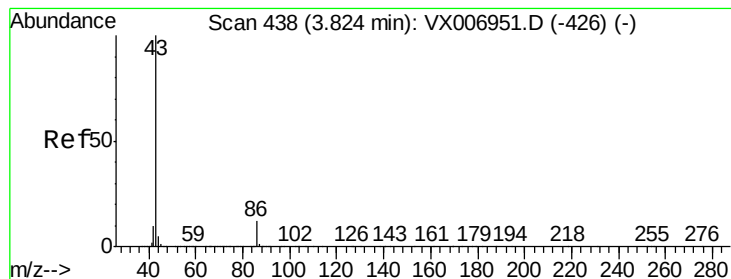
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 95.642 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

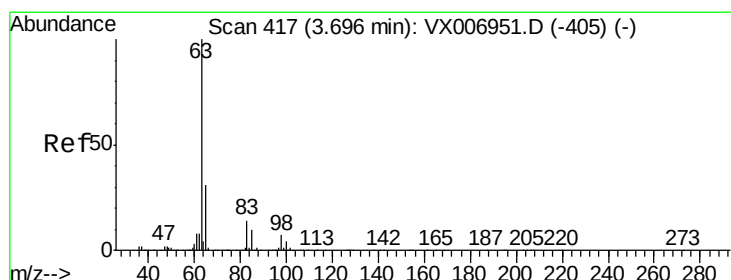
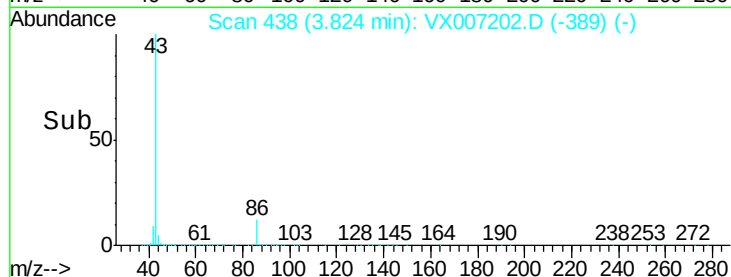
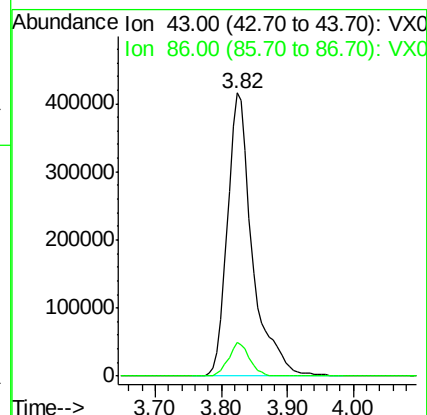
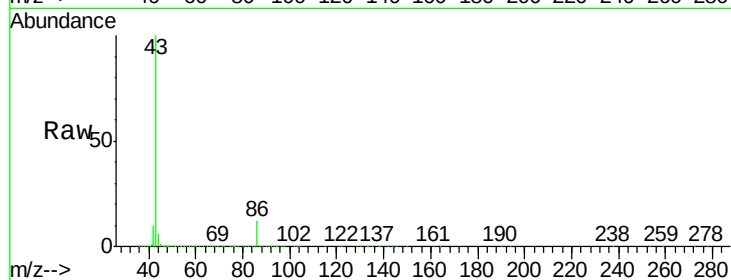
VX0124WBSD01

Tot Ion: 43 Resp: 1085853

Ion Ratio Lower Upper

43 100

86 11.7 9.2 13.8



#24

1,1-Dichloroethane

Concen: 19.442 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

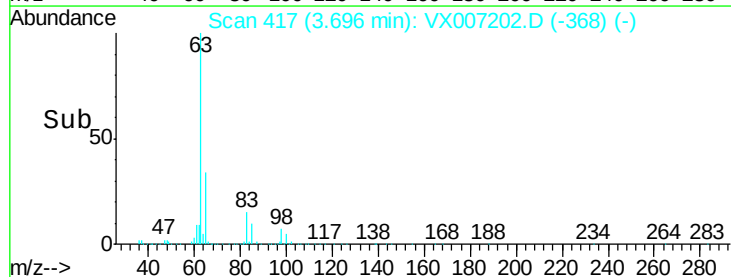
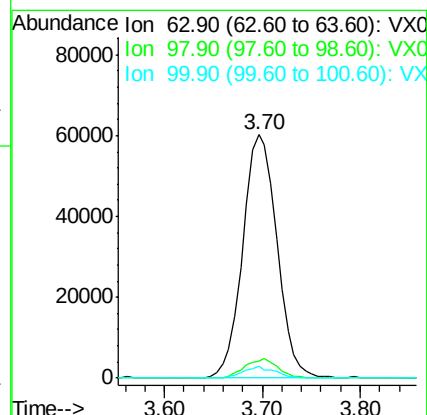
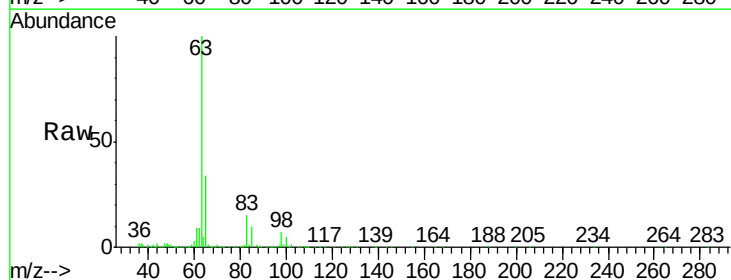
Tgt Ion: 63 Resp: 146359

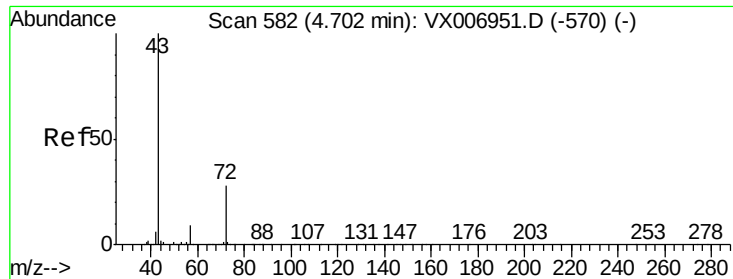
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 104.184 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleID :

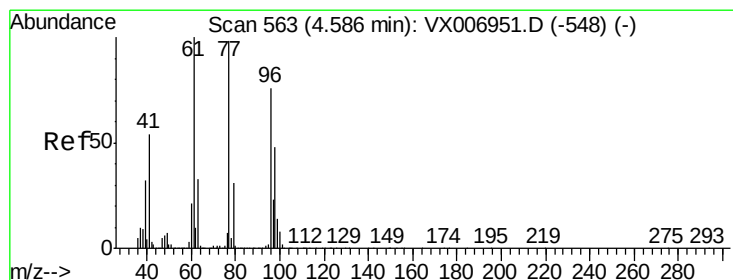
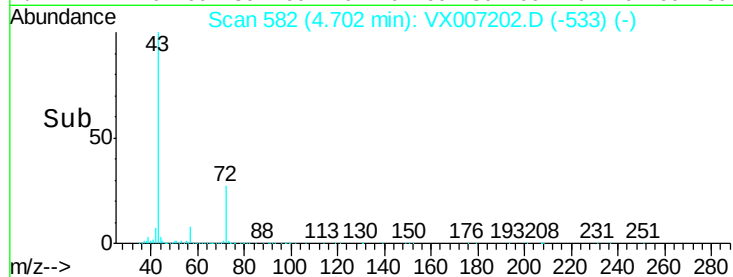
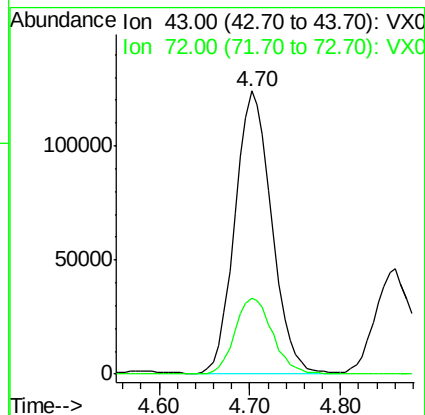
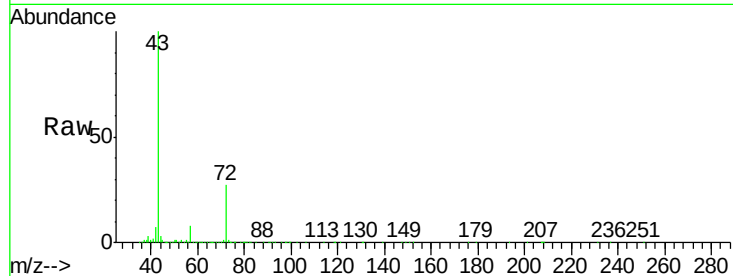
VX0124WBSD01

Tot Ion: 43 Resp: 350154

Ion Ratio Lower Upper

43 100

72 26.6 22.4 33.6



#26

2,2-Dichloropropane

Concen: 16.765 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007202.D

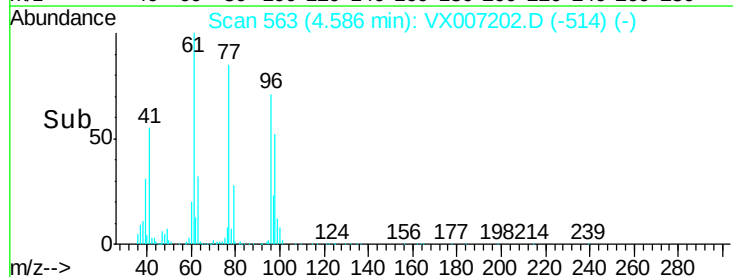
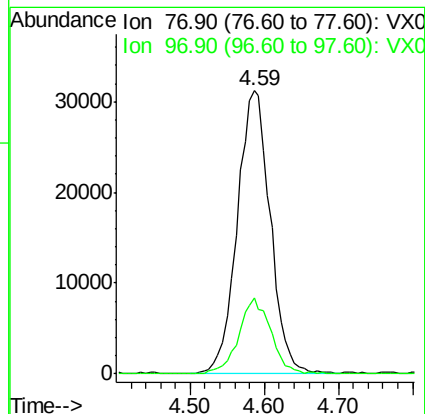
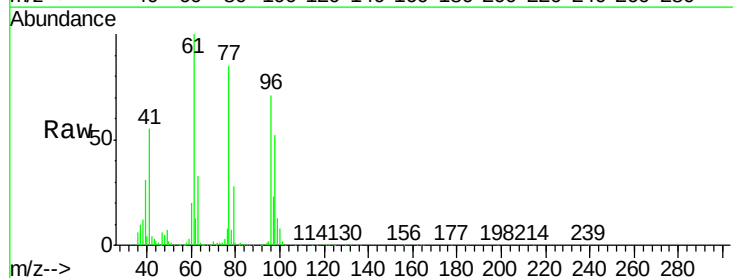
Acq: 24 Jan 2019 14:35

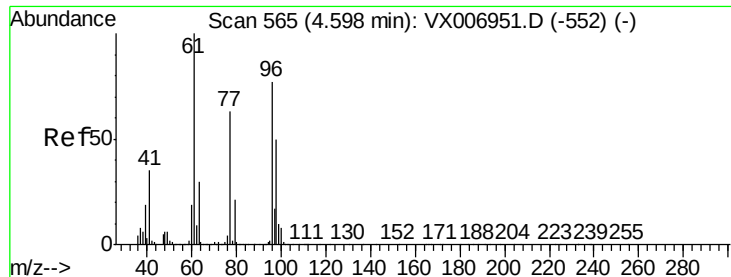
Tgt Ion: 77 Resp: 97049

Ion Ratio Lower Upper

77 100

97 26.0 12.4 37.4



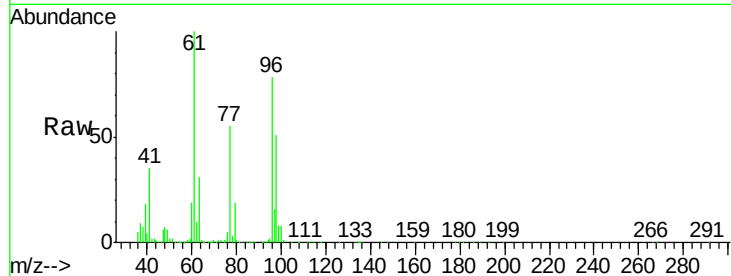


#27

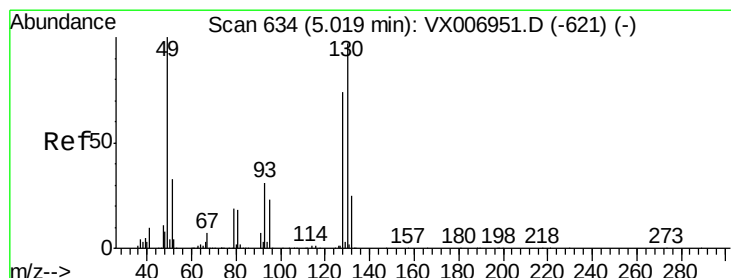
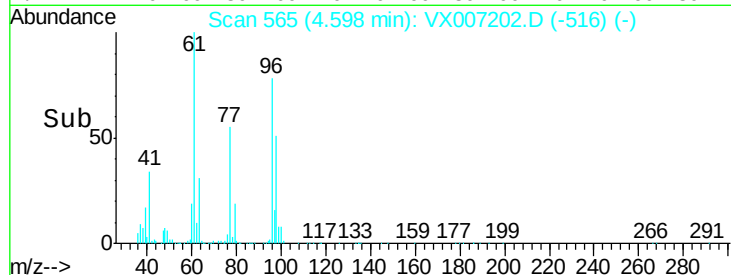
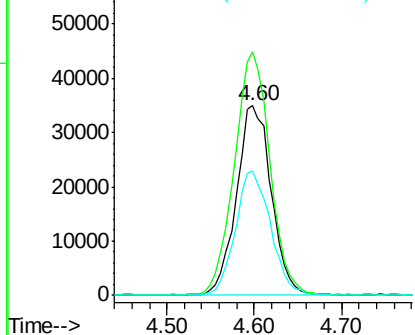
cis-1,2-Dichloroethene
Concen: 18.911 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	258.6
98	66.5	0.0	132.0



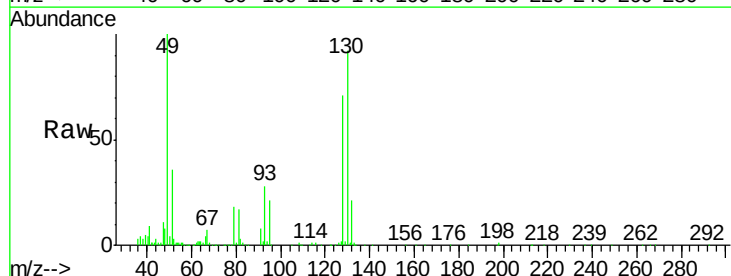
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



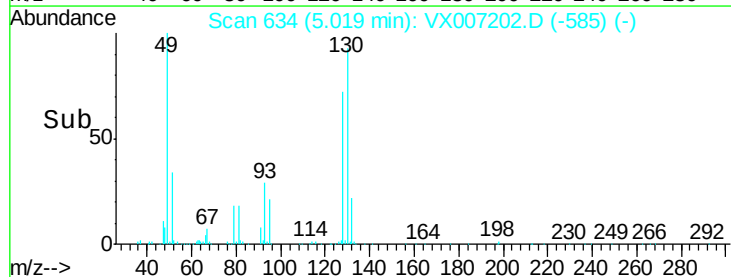
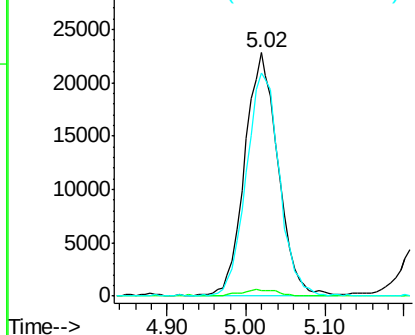
#28

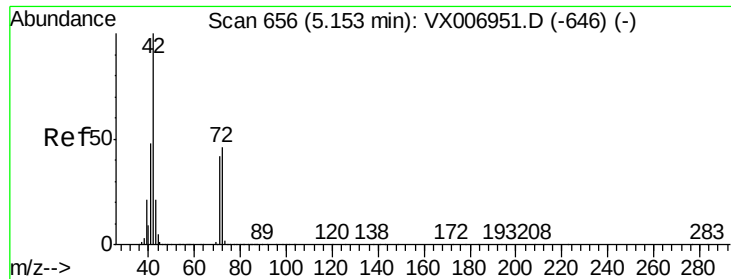
Bromochloromethane
Concen: 20.163 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.4
130	92.1	77.7	116.5



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: 101.670 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

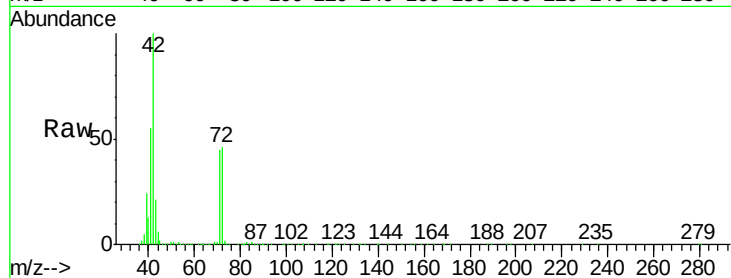
Tot Ion: 42 Resp: 222065

Ion Ratio Lower Upper

42 100

72 48.1 38.9 58.3

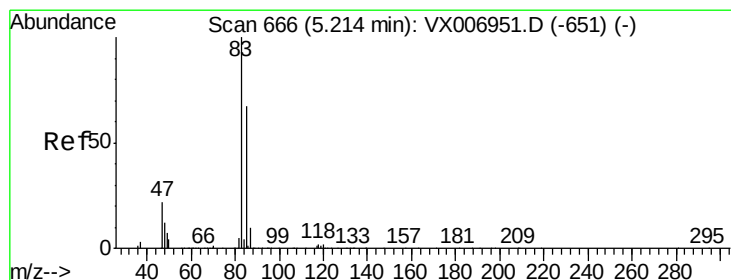
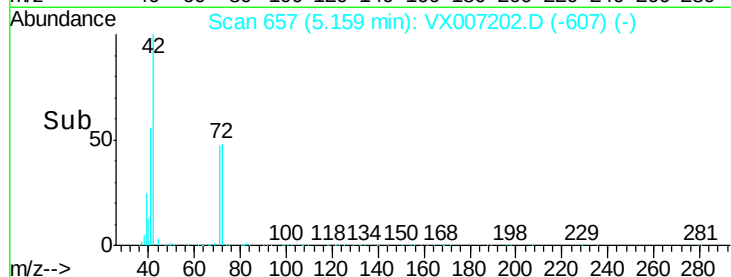
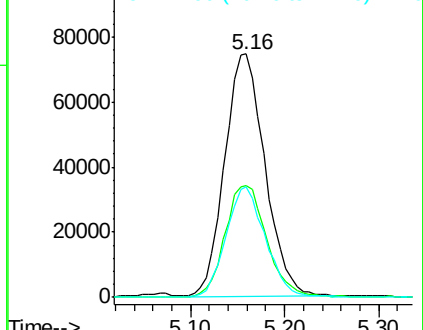
71 44.7 36.2 54.4



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: 19.788 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007202.D

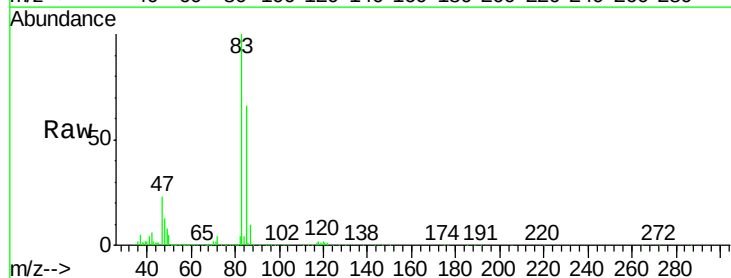
Acq: 24 Jan 2019 14:35

Tgt Ion: 83 Resp: 155964

Ion Ratio Lower Upper

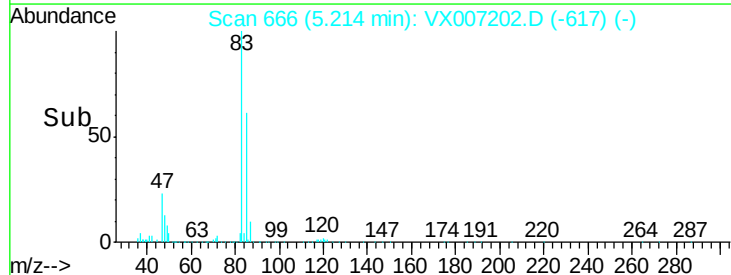
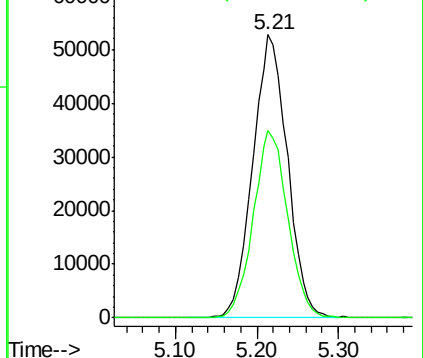
83 100

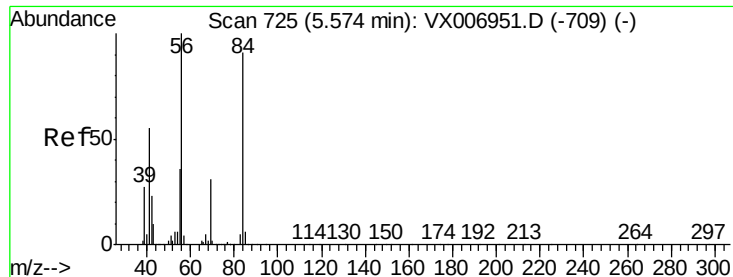
85 66.1 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

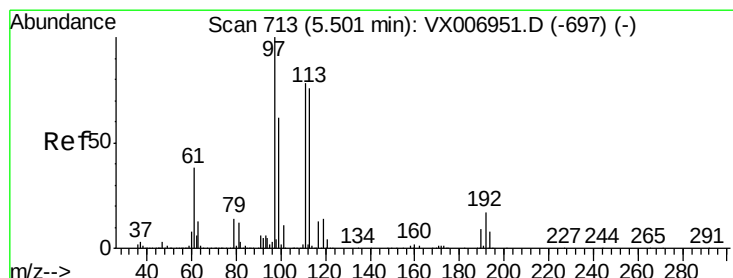
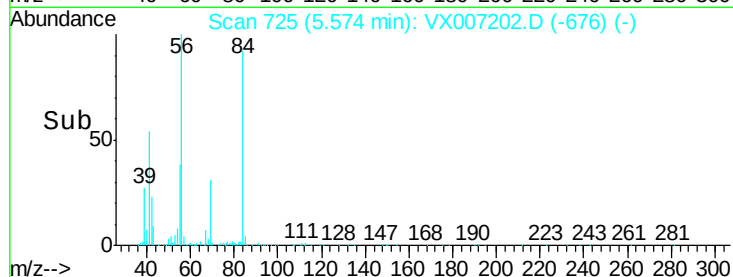
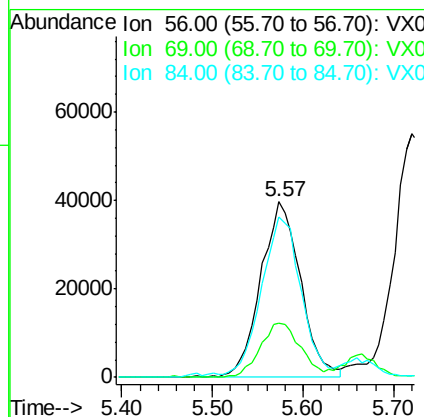
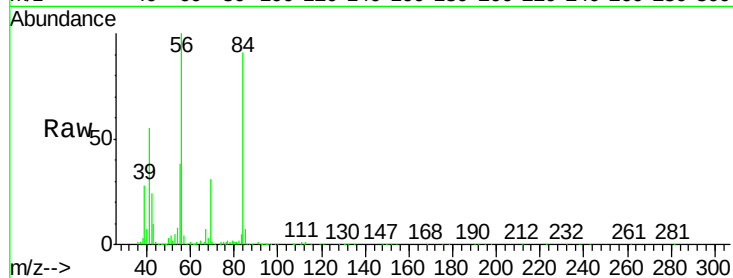




#31
Cyclohexane
Concen: 17.872 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

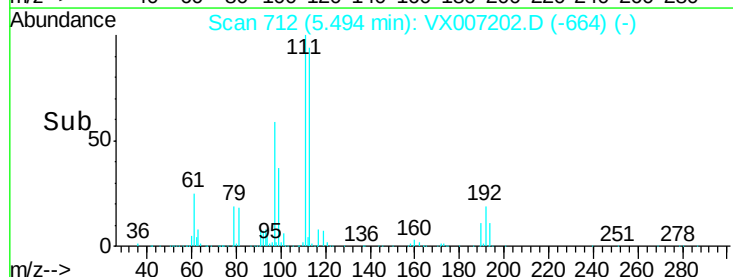
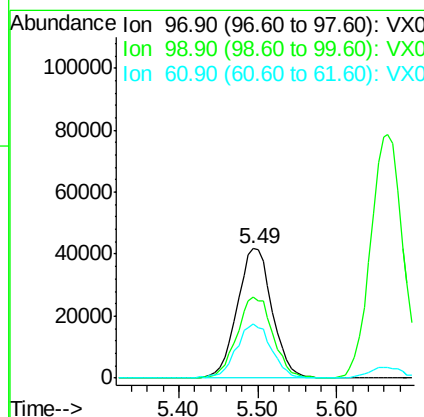
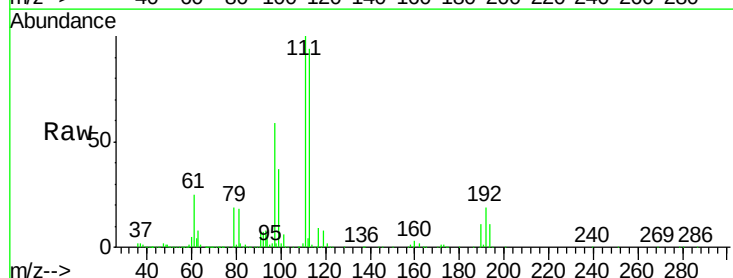
Instrument :
MSVOA_X
ClientSampled :
VX0124WBSD01

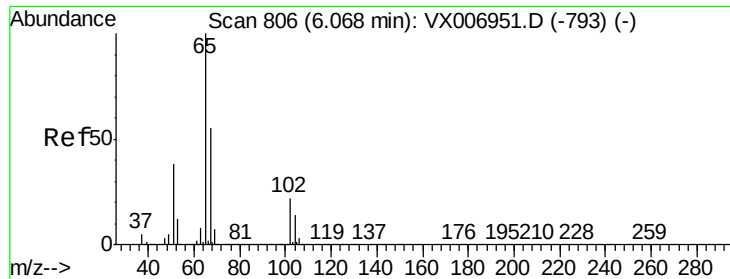
Tot Ion: 56 Resp: 119742
Ion Ratio Lower Upper
56 100
69 30.4 24.4 36.6
84 90.3 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 19.277 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion: 97 Resp: 128778
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 42.2 31.3 46.9

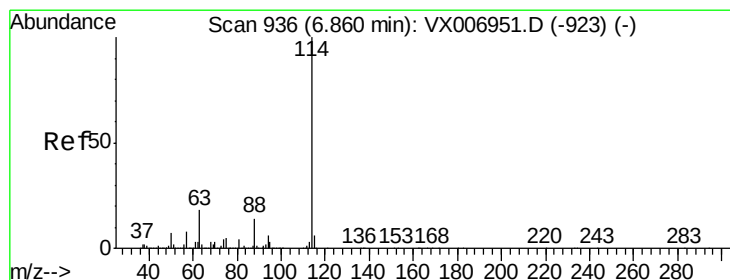
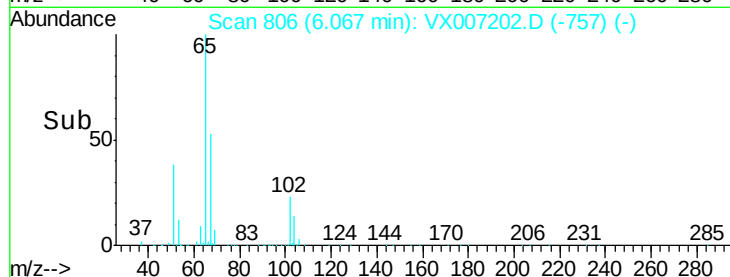
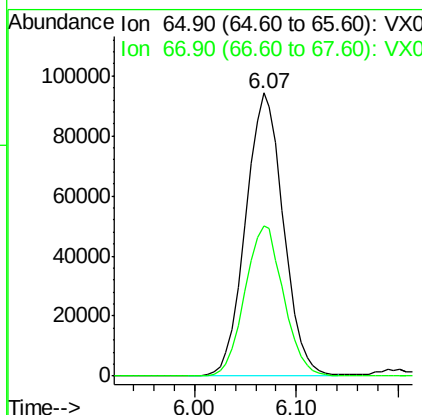
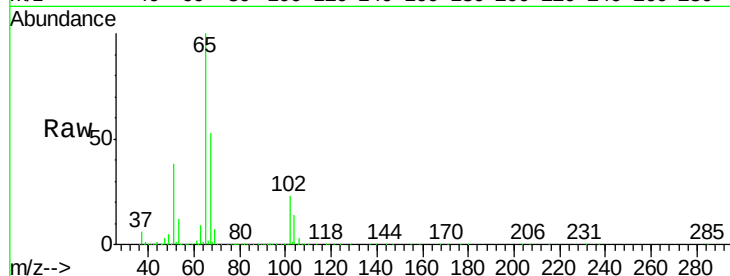




#33
 1,2-Dichloroethane-d4
 Concen: 51.017 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007202.D
 Acq: 24 Jan 2019 14:35

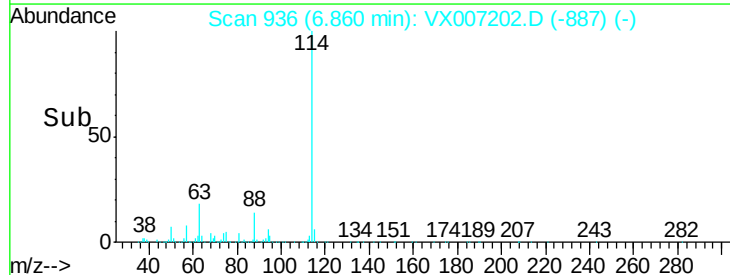
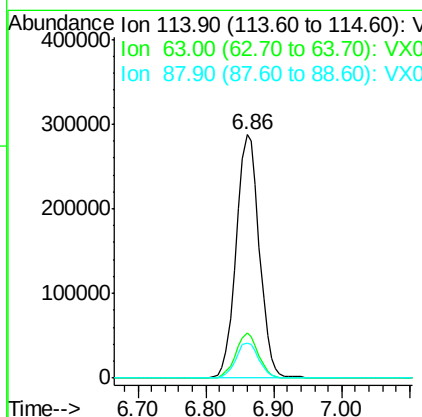
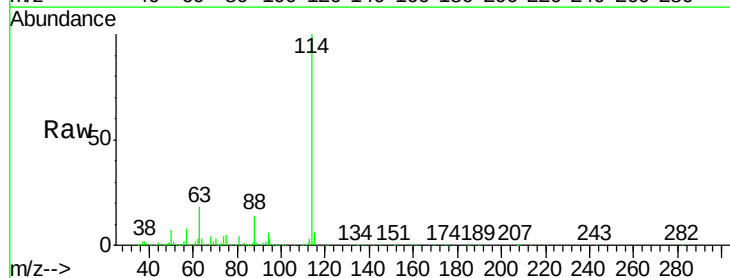
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBSD01

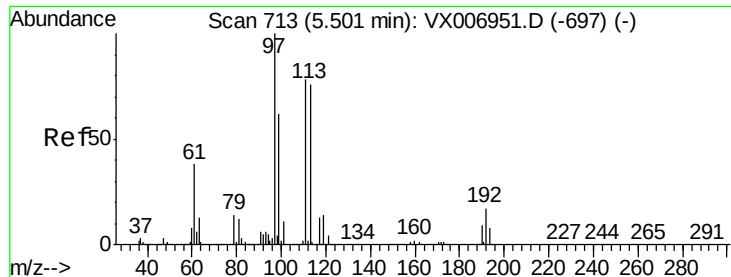
Tot Ion: 65 Resp: 242396
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007202.D
 Acq: 24 Jan 2019 14:35

Tgt Ion: 114 Resp: 679213
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.8
 88 14.5 0.0 28.8





#35

Dibromofluoromethane

Concen: 50.927 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

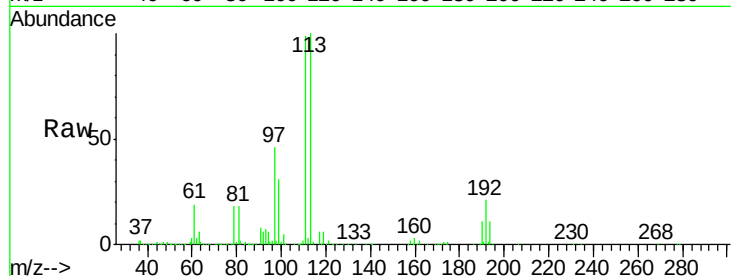
Tot Ion:113 Resp: 221516

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

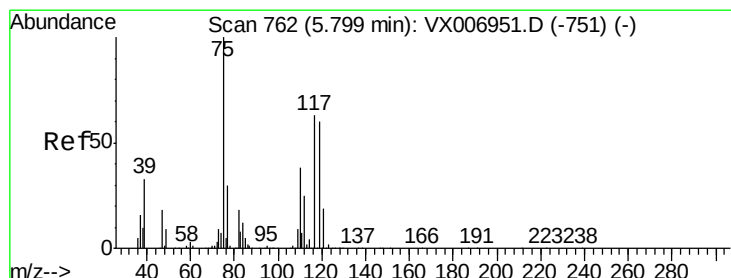
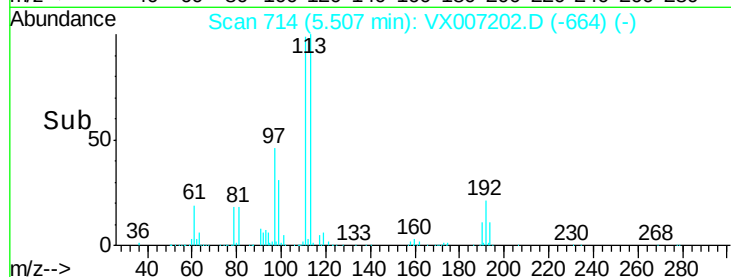
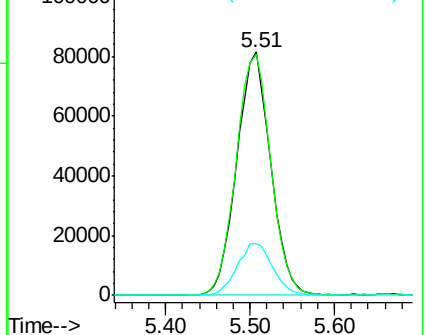
192 22.3 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.527 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

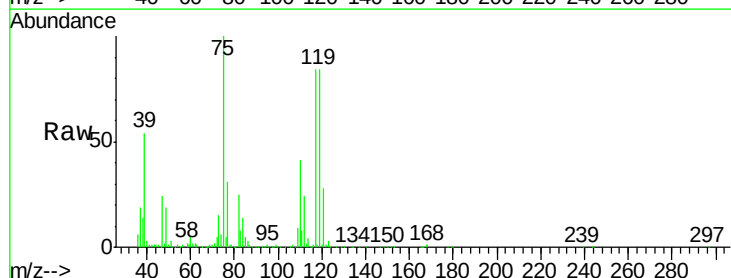
Tgt Ion: 75 Resp: 109407

Ion Ratio Lower Upper

75 100

110 40.1 20.2 60.5

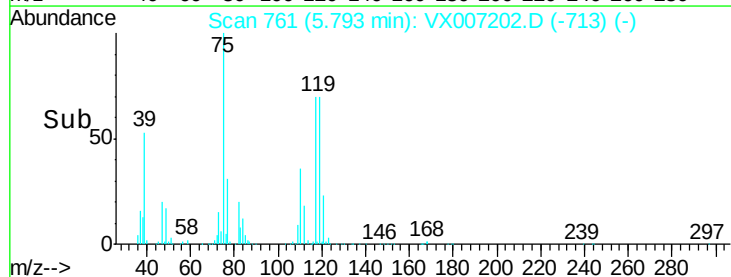
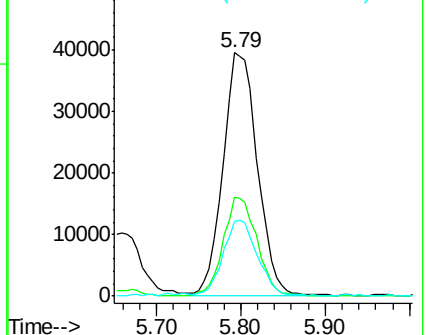
77 29.8 24.8 37.2

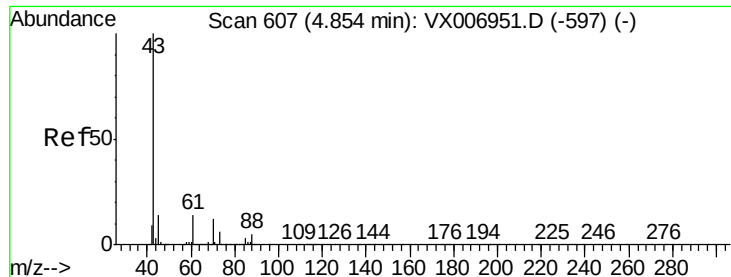


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

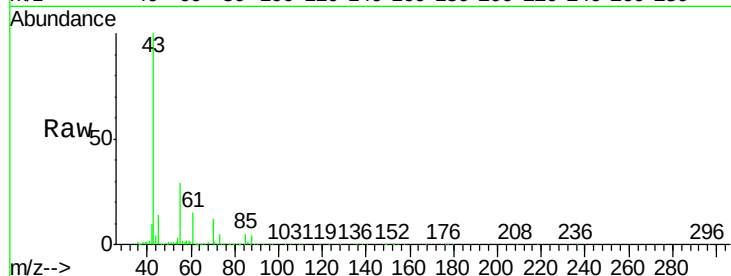




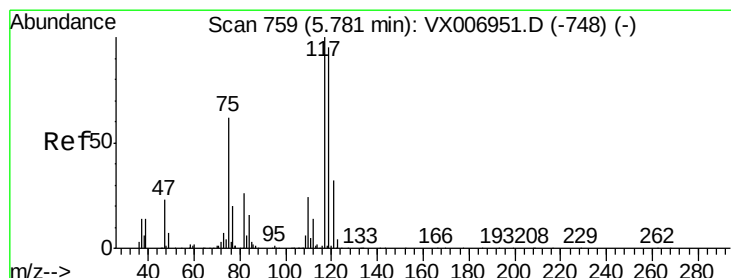
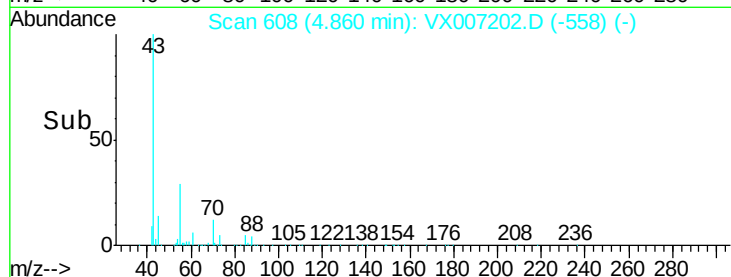
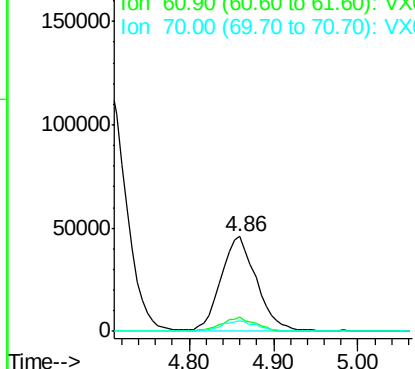
#37
Ethyl Acetate
Concen: 20.722 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

Tot Ion: 43 Resp: 131188
Ion Ratio Lower Upper
43 100
61 14.8 11.9 17.9
70 11.2 9.7 14.5

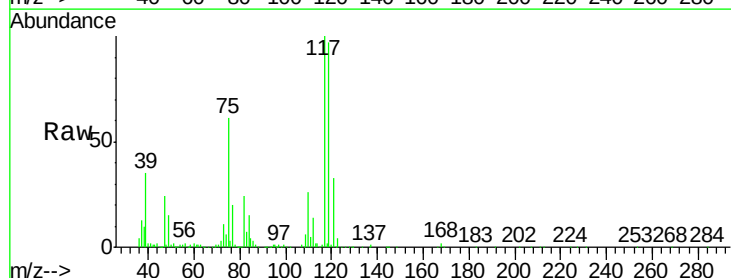


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

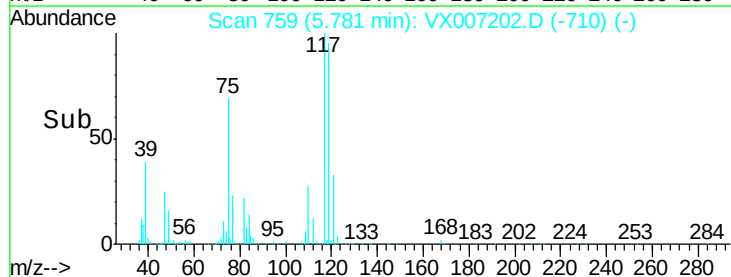
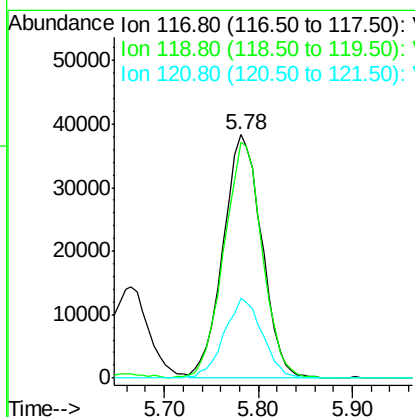


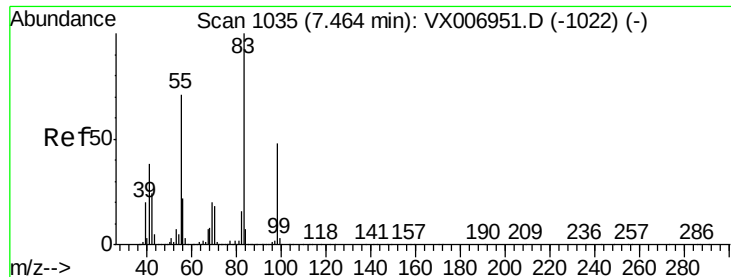
#38
Carbon Tetrachloride
Concen: 18.301 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion: 117 Resp: 108733
Ion Ratio Lower Upper
117 100
119 97.0 79.4 119.2
121 32.5 24.0 36.0



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

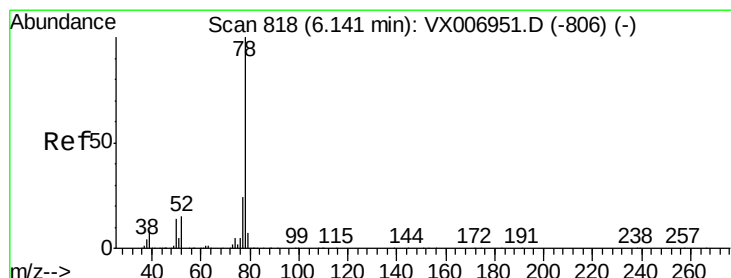
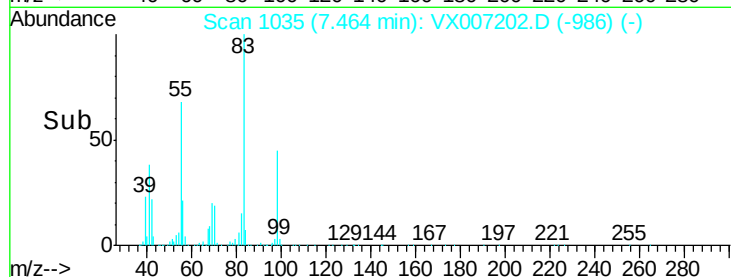
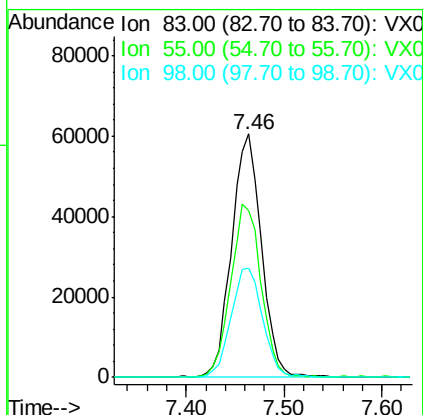
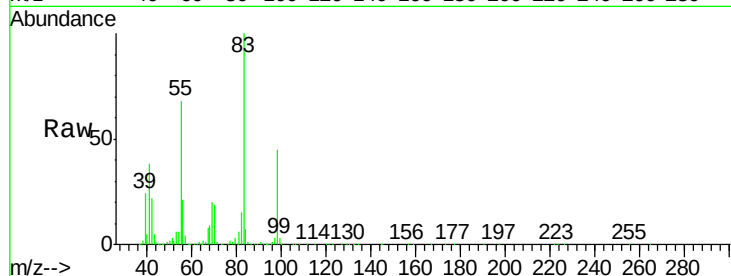




#39
Methylvlcyclohexane
Concen: 17.011 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

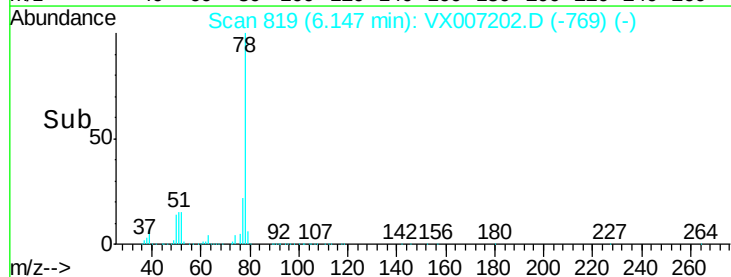
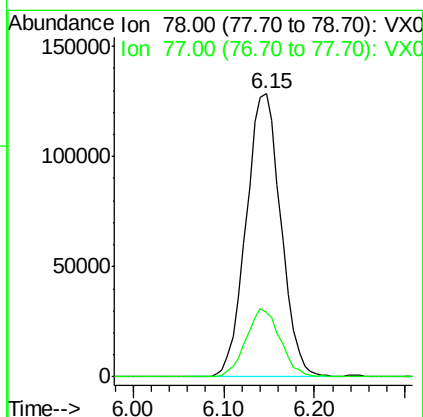
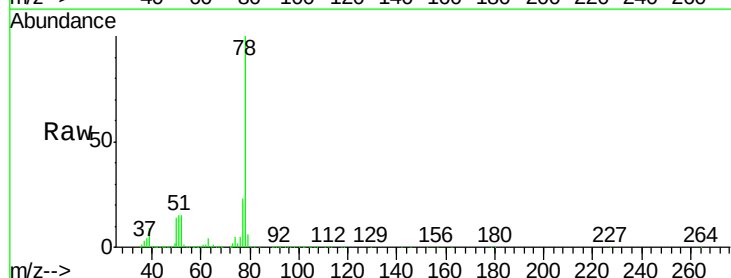
Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

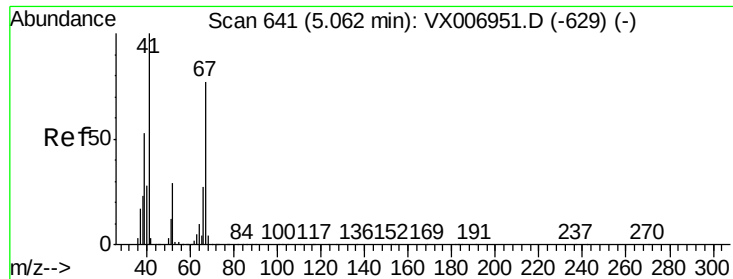
Tot Ion	83	Resp	128064
Ion Ratio	Lower	Upper	
83	100		
55	68.3	54.9	82.3
98	44.6	37.9	56.9



#40
Benzene
Concen: 18.964 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion	78	Resp	341710
Ion Ratio	Lower	Upper	
78	100		
77	22.8	19.2	28.8





#41

Methacrylonitrile

Concen: 19.070 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

Tot Ion: 41 Resp: 69550

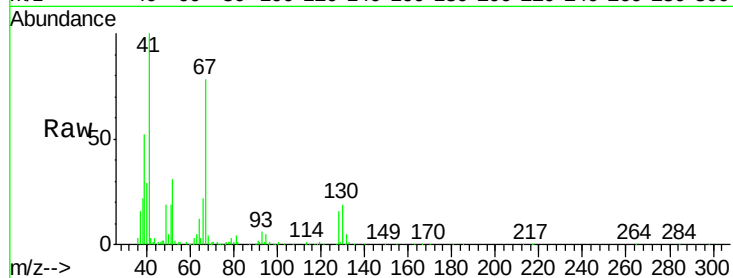
Ion Ratio Lower Upper

41 100

39 56.2 42.8 64.2

67 79.4 62.1 93.1

52 31.9 23.4 35.0

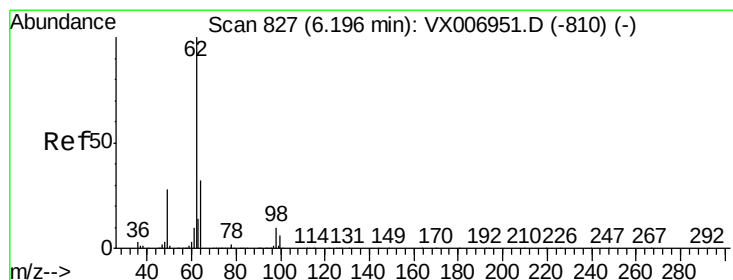
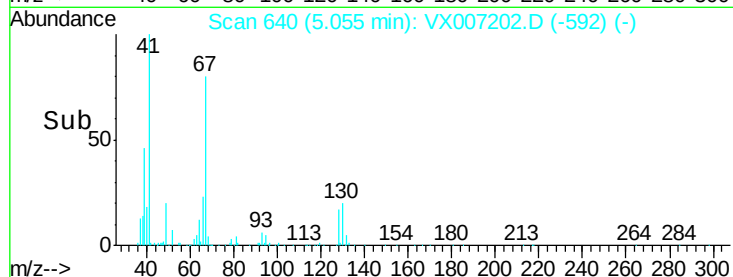
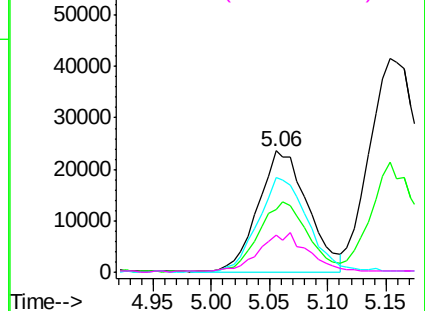


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.403 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX007202.D

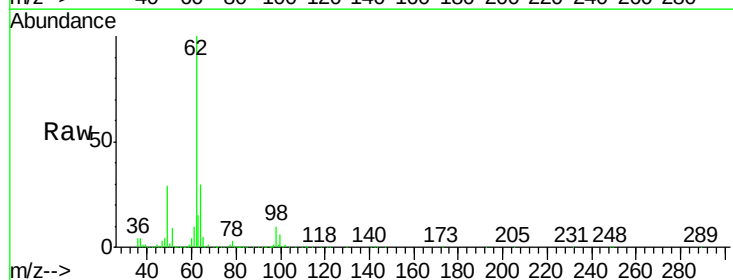
Acq: 24 Jan 2019 14:35

Tgt Ion: 62 Resp: 120814

Ion Ratio Lower Upper

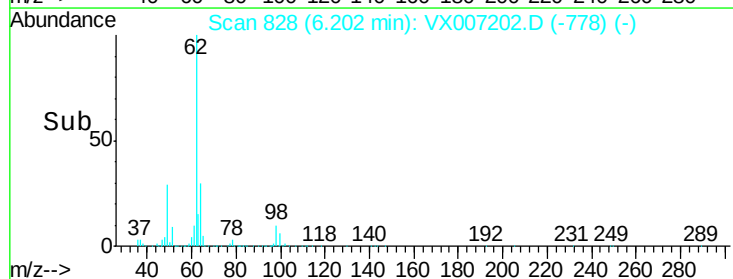
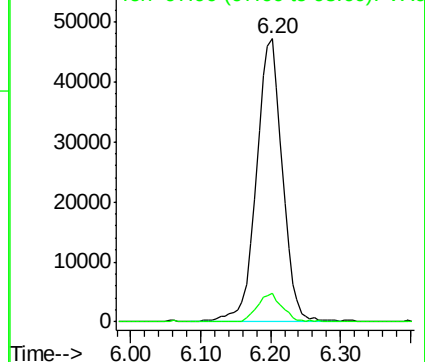
62 100

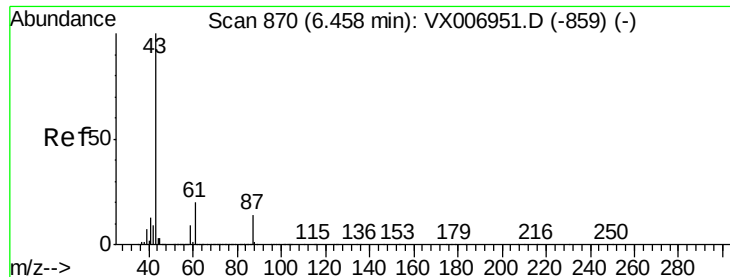
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.441 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

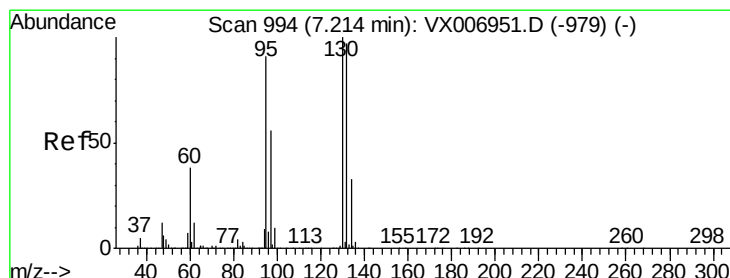
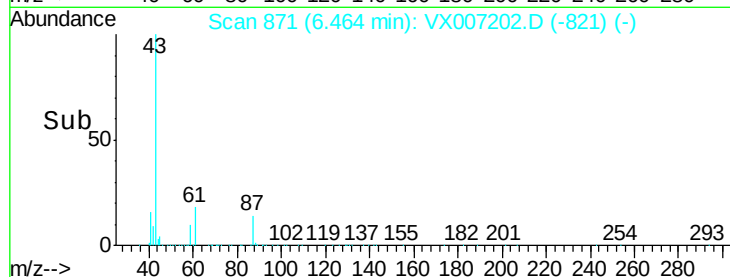
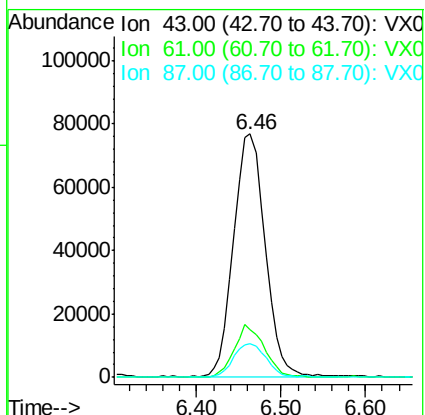
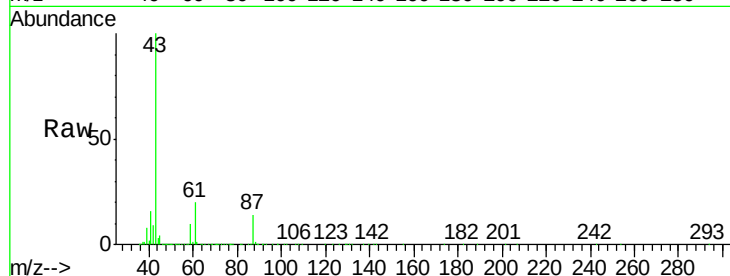
Tot Ion: 43 Resp: 194143

Ion Ratio Lower Upper

43 100

61 20.7 16.8 25.2

87 14.7 12.4 18.6



#44

Trichloroethene

Concen: 18.609 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007202.D

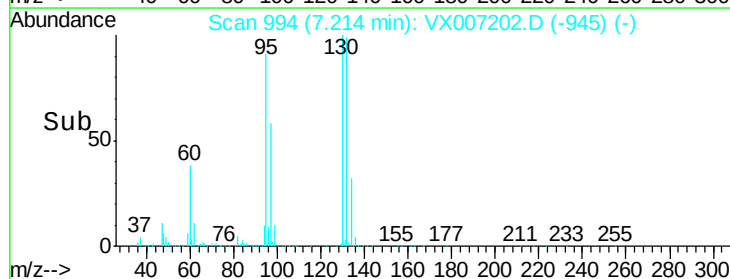
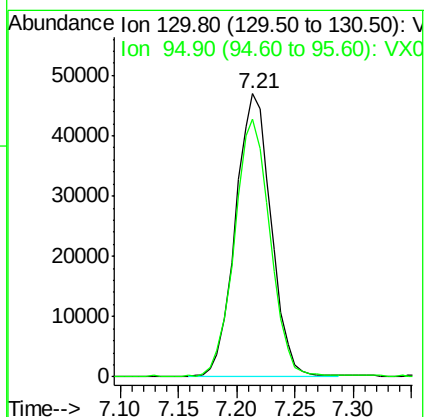
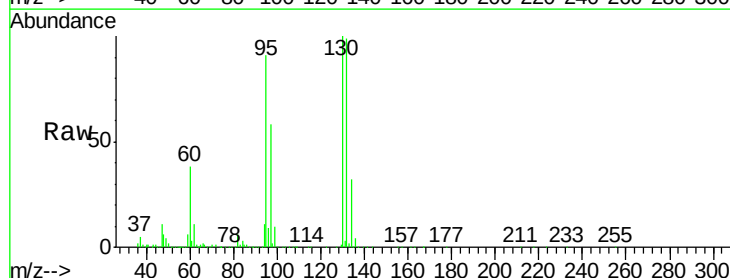
Acq: 24 Jan 2019 14:35

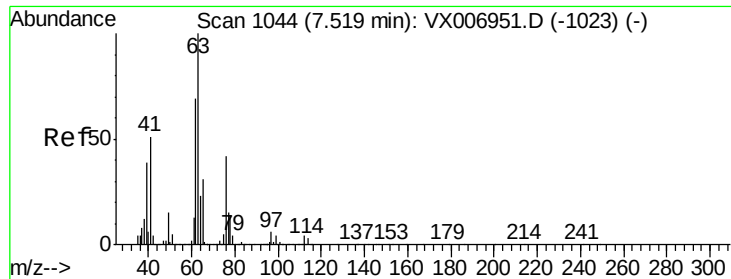
Tgt Ion:130 Resp: 100478

Ion Ratio Lower Upper

130 100

95 90.5 0.0 187.0





#45

1,2-Dichloropropane

Concen: 19.514 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

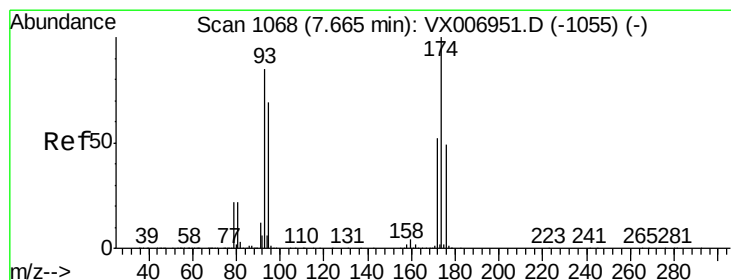
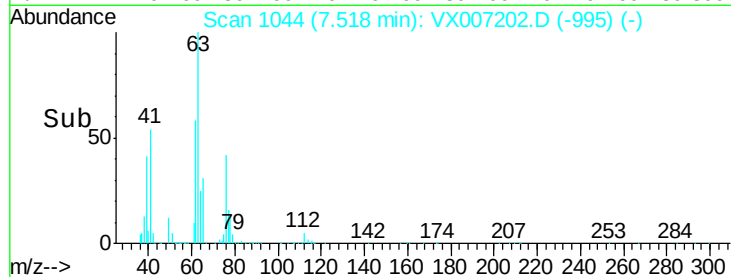
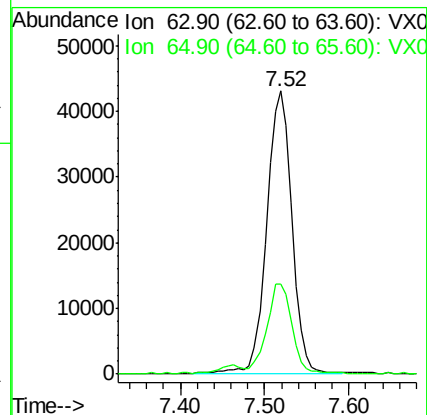
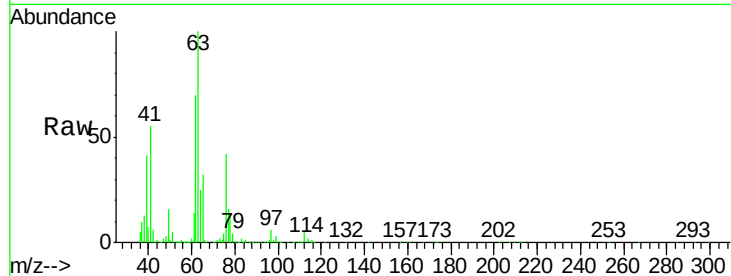
VX0124WBSD01

Tot Ion: 63 Resp: 88395

Ion Ratio Lower Upper

63 100

65 31.7 25.4 38.0



#46

Dibromomethane

Concen: 19.538 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

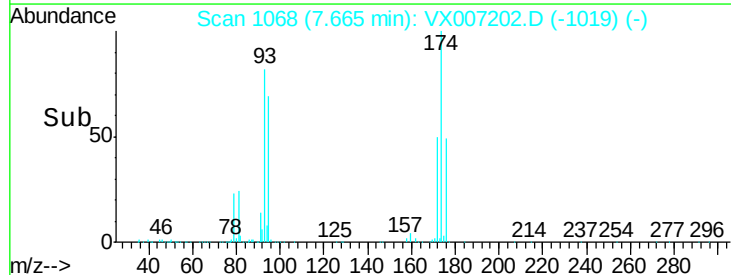
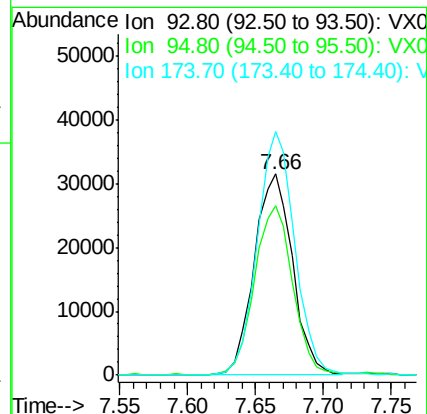
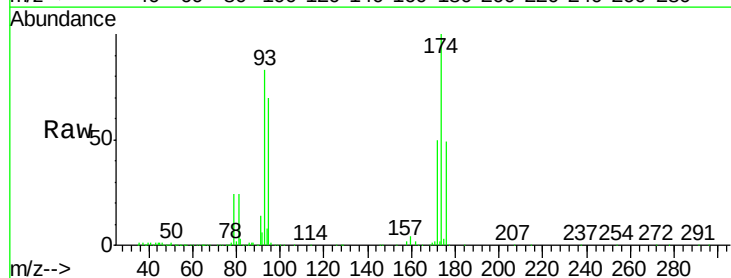
Tgt Ion: 93 Resp: 62201

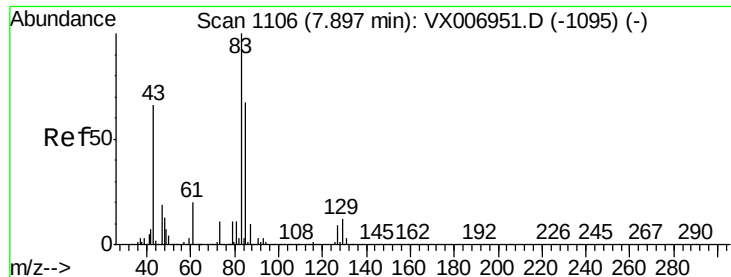
Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

174 119.1 91.0 136.4





#47

Bromodichloromethane

Concen: 19.506 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

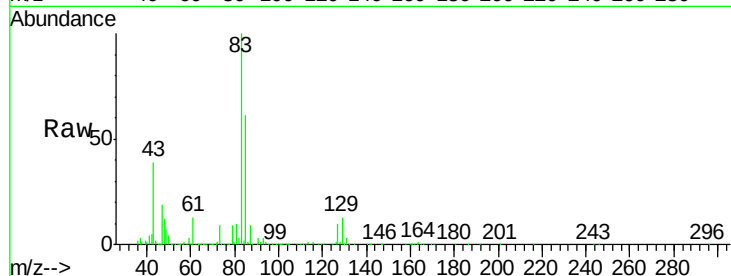
Tot Ion: 83 Resp: 105705

Ion Ratio Lower Upper

83 100

85 61.0 53.2 79.8

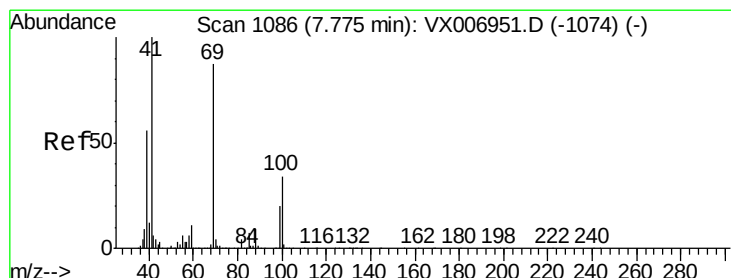
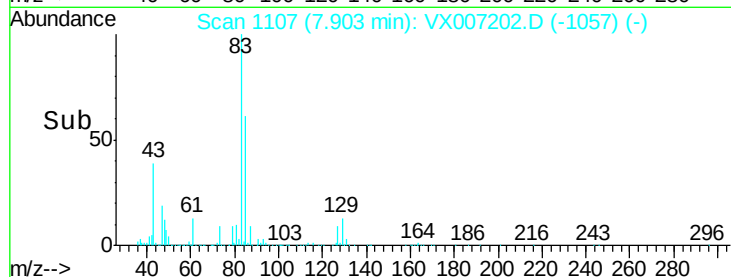
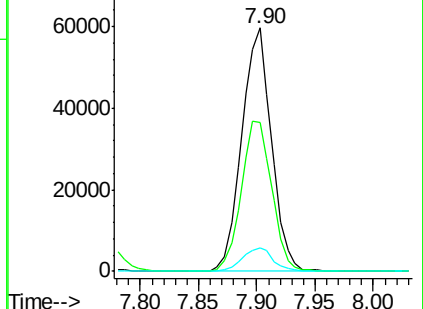
127 9.6 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.336 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

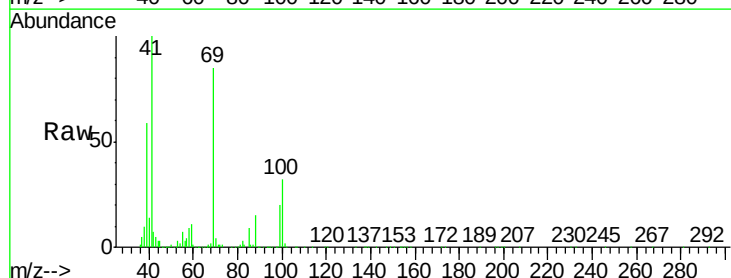
Tgt Ion: 41 Resp: 99162

Ion Ratio Lower Upper

41 100

69 87.9 72.4 108.6

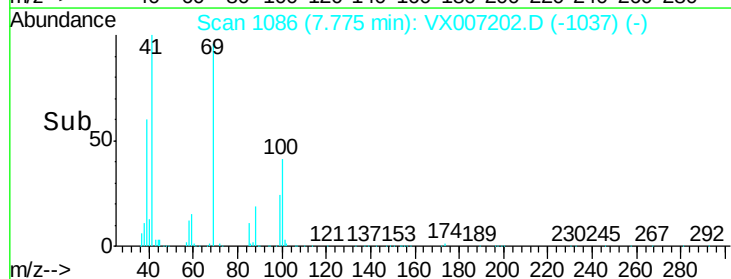
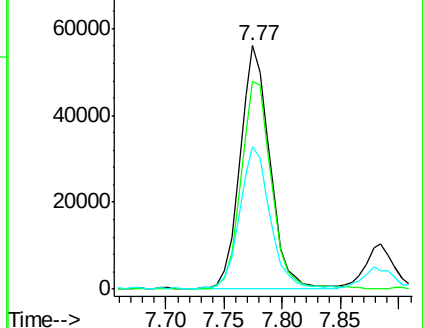
39 59.0 45.8 68.8

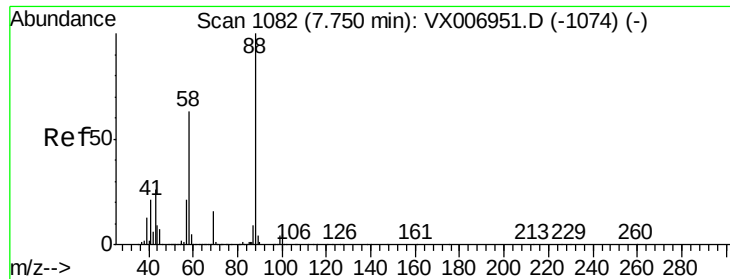


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

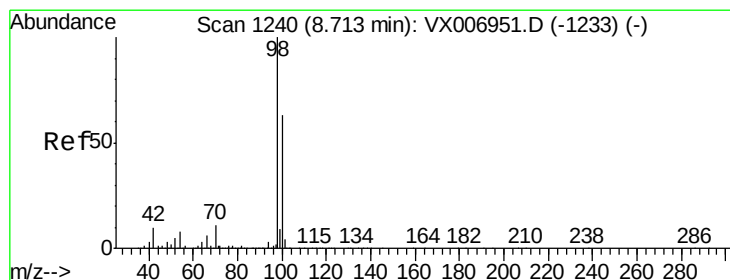
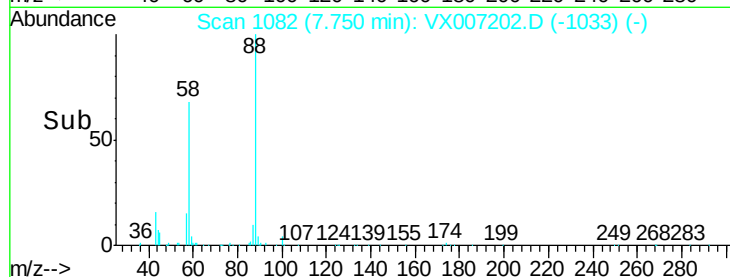
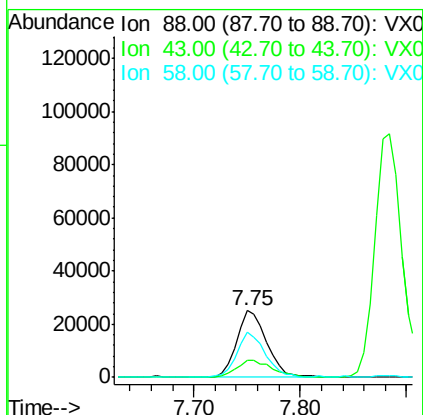
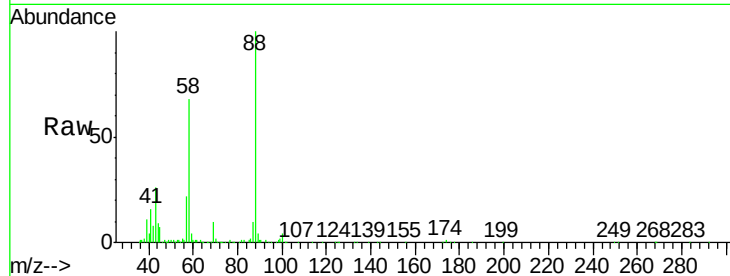




#49
1,4-Dioxane
Concen: 416.420 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

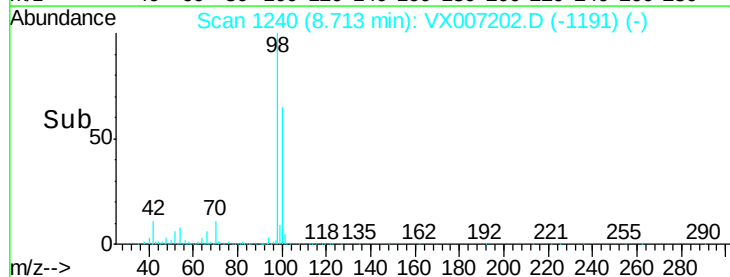
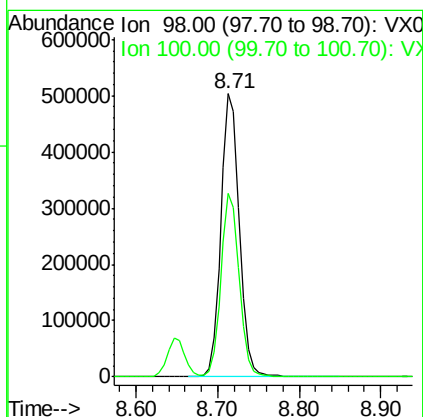
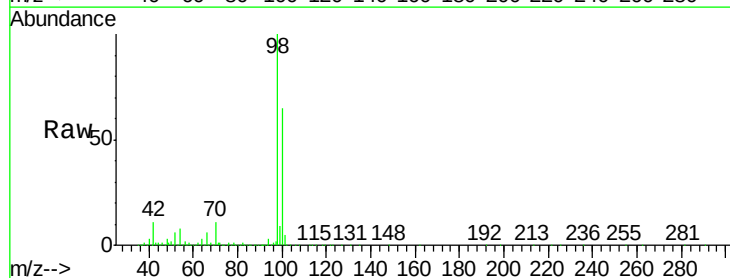
Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

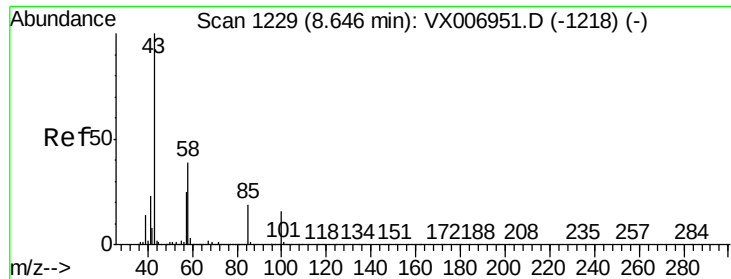
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	22.2	33.4
58	64.2	51.0	76.4



#50
Toluene-d8
Concen: 49.579 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 105.044 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

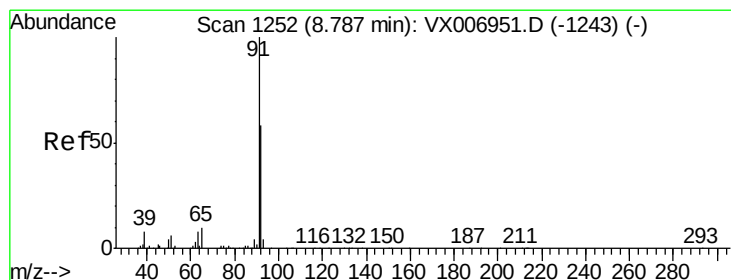
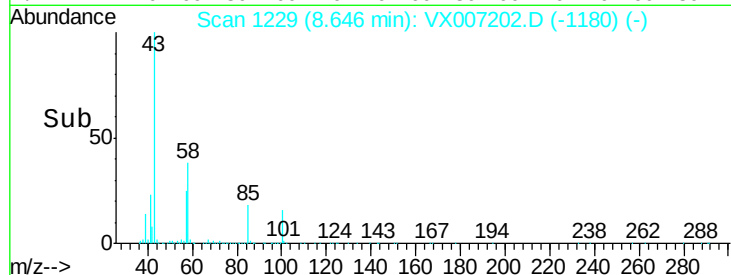
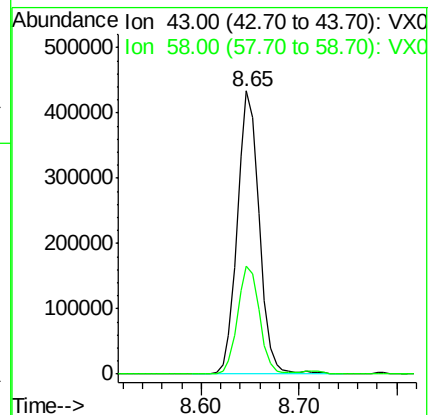
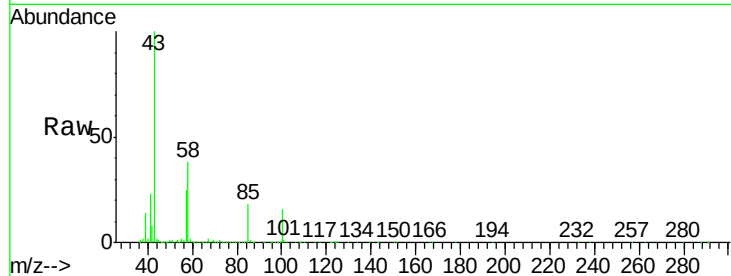
VX0124WBSD01

Tot Ion: 43 Resp: 674141

Ion Ratio Lower Upper

43 100

58 38.3 31.8 47.6



#52

Toluene

Concen: 18.664 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007202.D

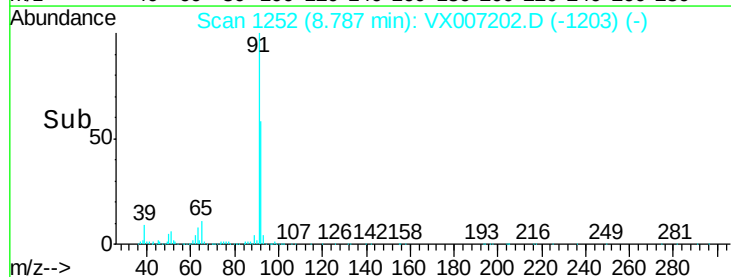
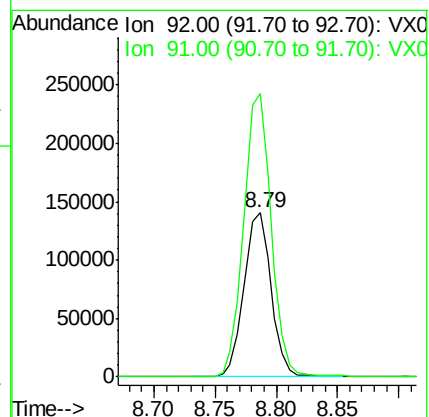
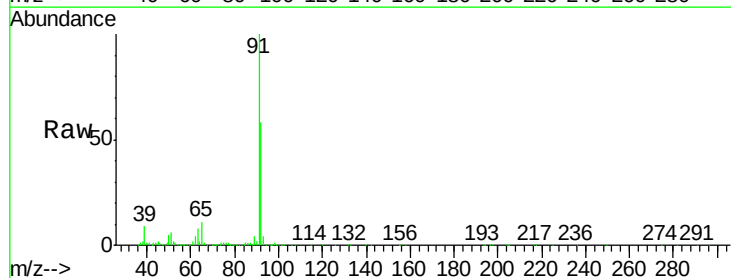
Acq: 24 Jan 2019 14:35

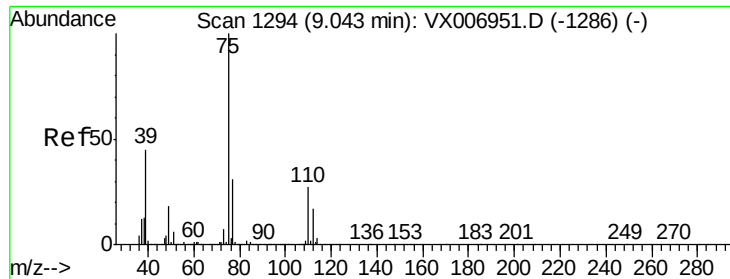
Tgt Ion: 92 Resp: 216151

Ion Ratio Lower Upper

92 100

91 174.7 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.066 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

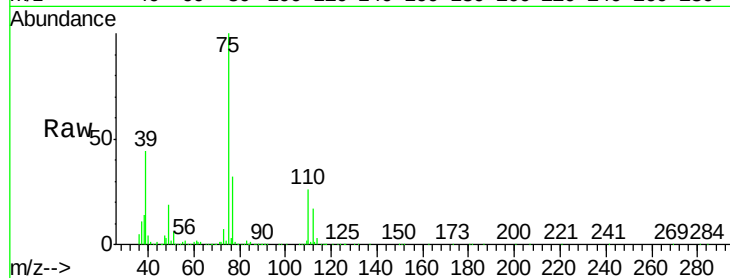
VX0124WBSD01

Tot Ion: 75 Resp: 108560

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

80000

60000

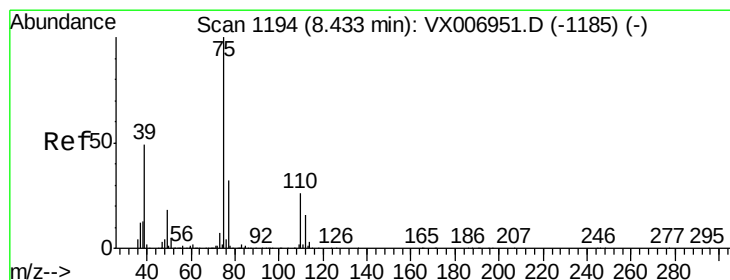
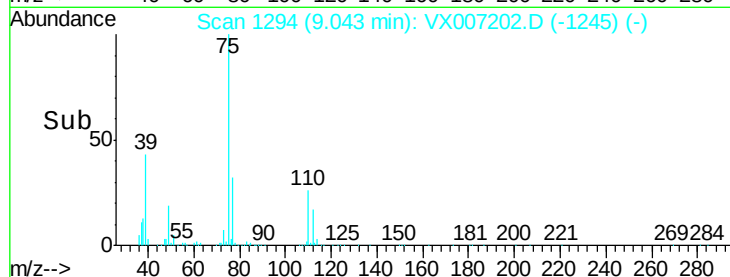
40000

20000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 18.346 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

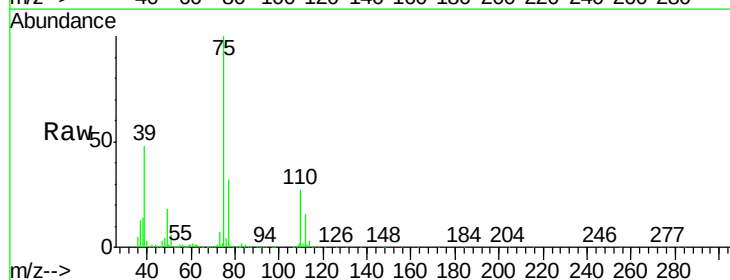
Tgt Ion: 75 Resp: 121742

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 47.3 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

100000

80000

60000

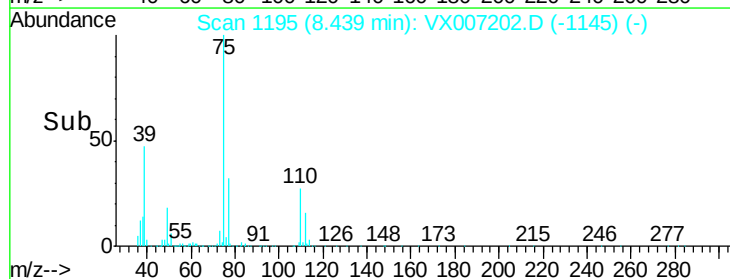
40000

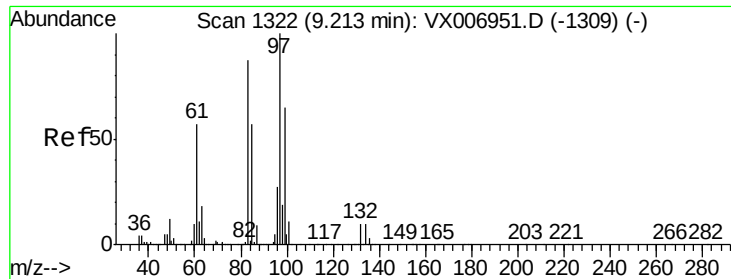
20000

0

Time-->

8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 20.877 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

Tot Ion: 97 Resp: 96776

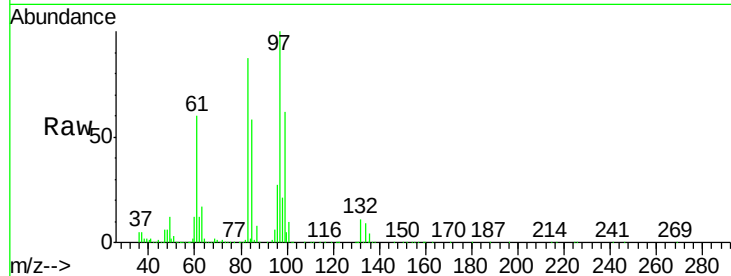
Ion Ratio Lower Upper

97 100

83 87.3 66.6 99.8

85 58.0 42.7 64.1

99 61.8 50.8 76.2



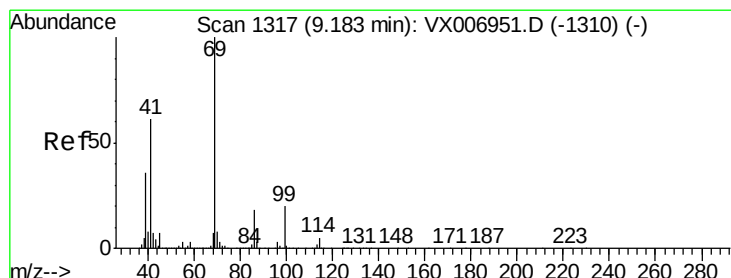
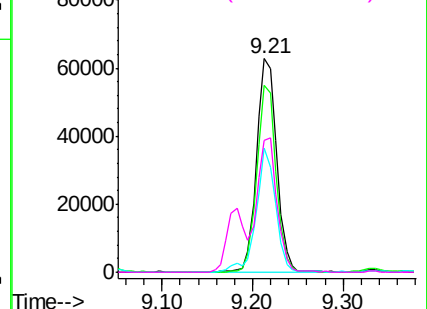
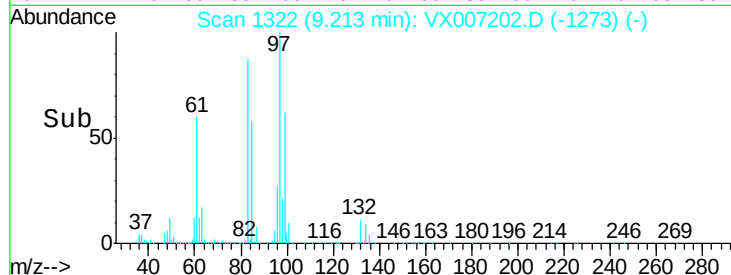
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.031 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

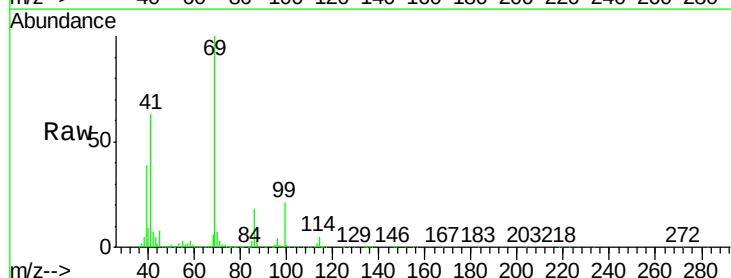
Tgt Ion: 69 Resp: 128789

Ion Ratio Lower Upper

69 100

41 66.1 48.7 73.1

39 38.3 27.0 40.6

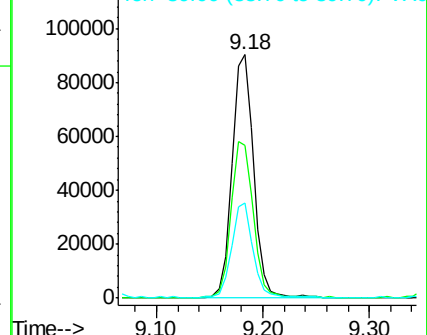
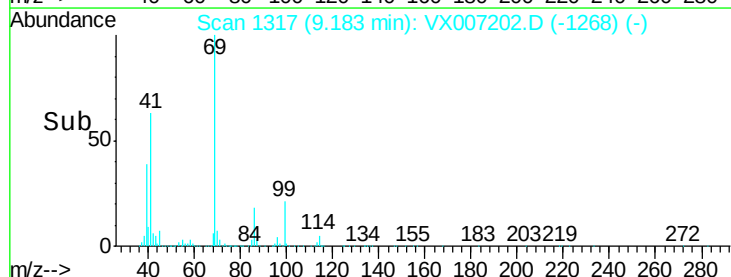


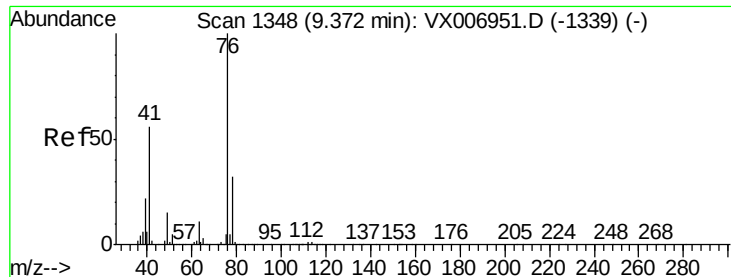
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.001 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

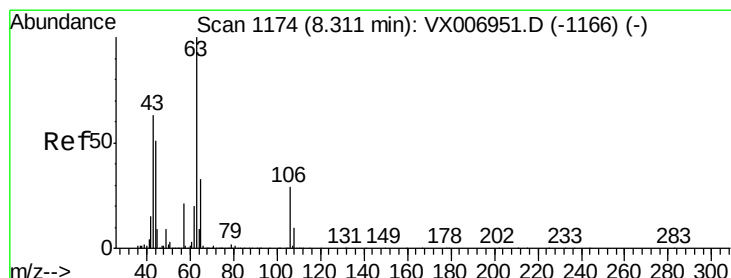
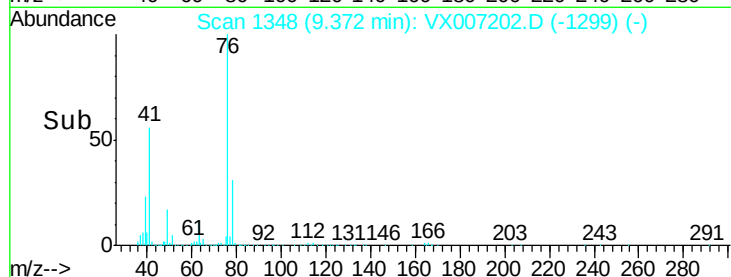
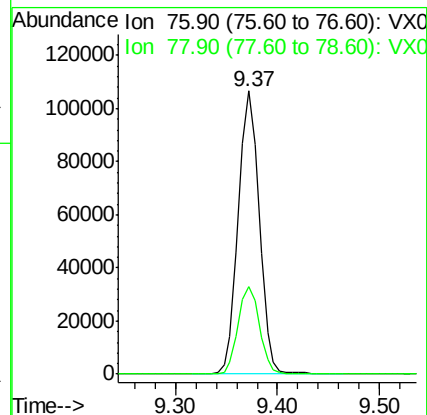
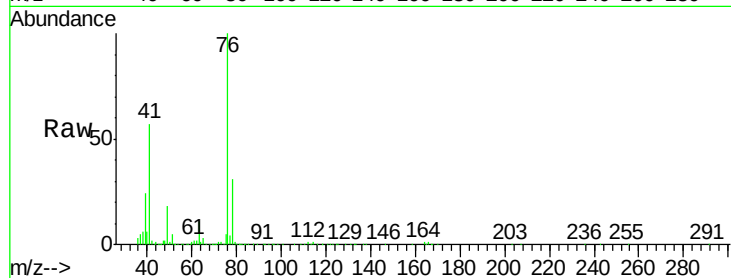
VX0124WBSD01

Tot Ion: 76 Resp: 151895

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 105.940 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007202.D

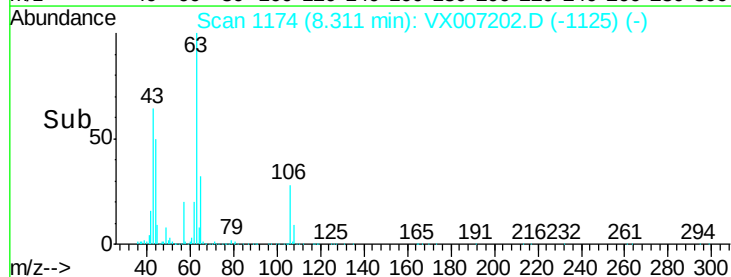
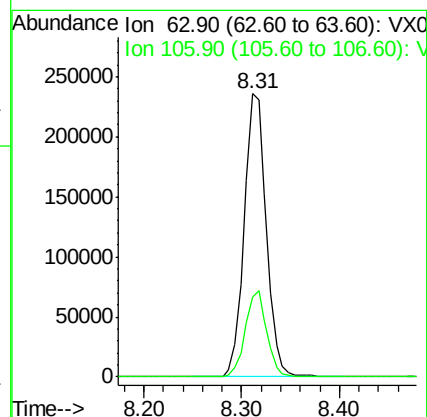
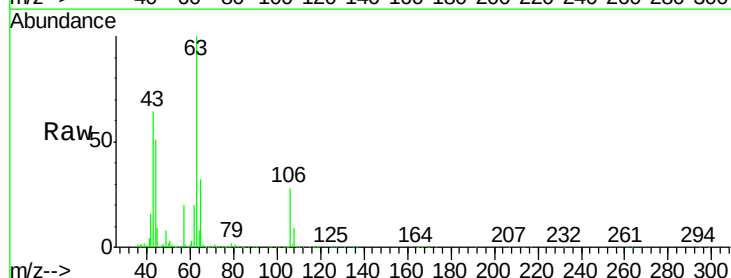
Acq: 24 Jan 2019 14:35

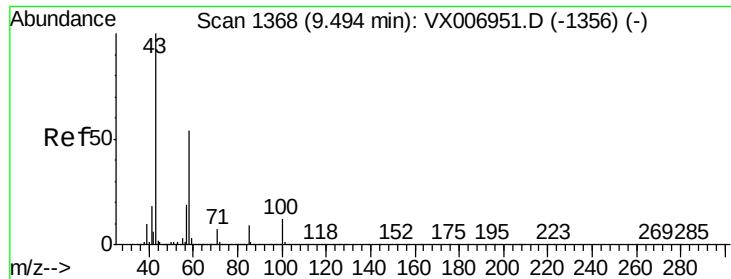
Tgt Ion: 63 Resp: 368609

Ion Ratio Lower Upper

63 100

106 29.6 24.6 36.8

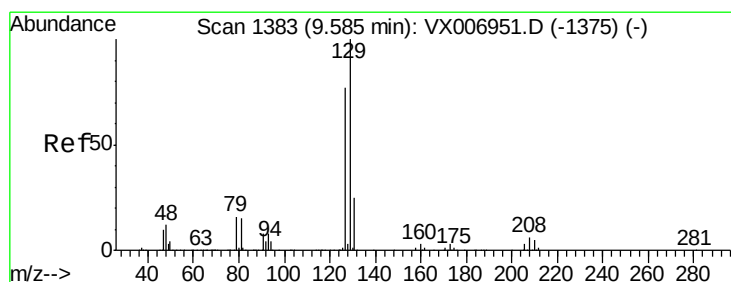
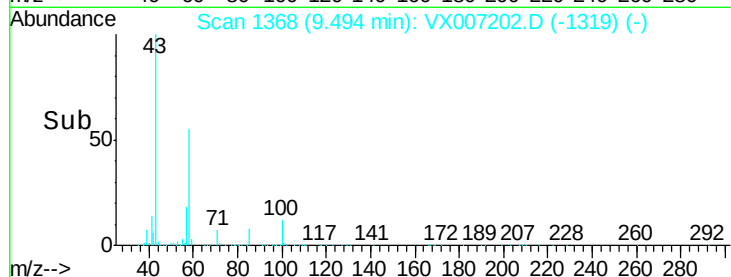
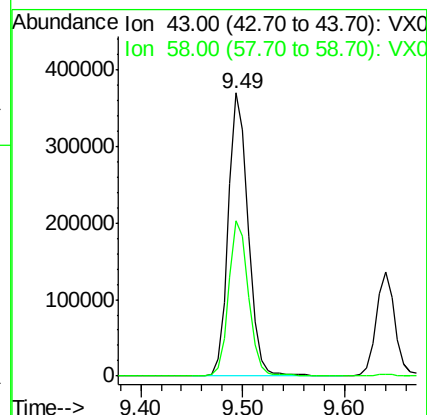
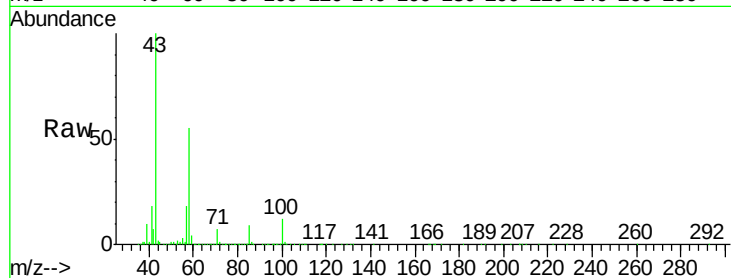




#59
2-Hexanone
Concen: 101.952 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

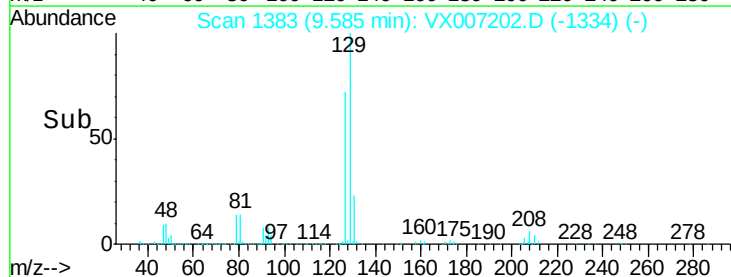
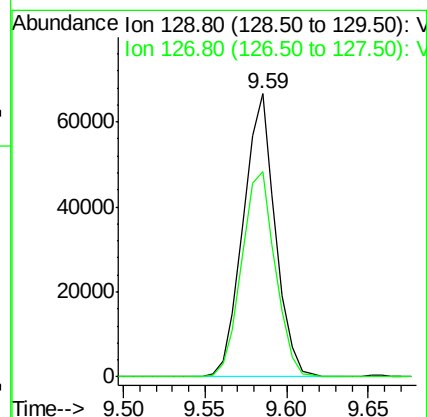
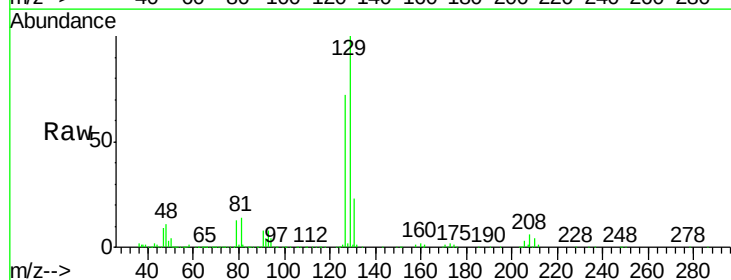
Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

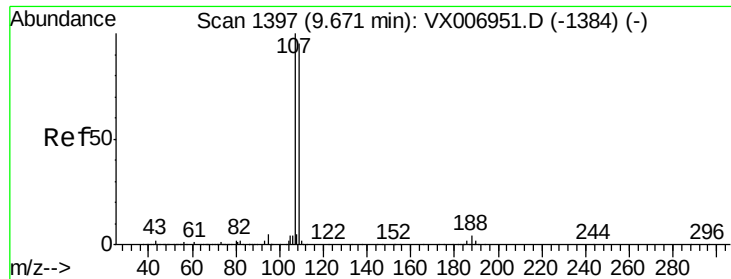
Tot Ion: 43 Resp: 498612
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.1



#60
Dibromochloromethane
Concen: 20.210 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion: 129 Resp: 90968
Ion Ratio Lower Upper
129 100
127 76.3 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.879 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

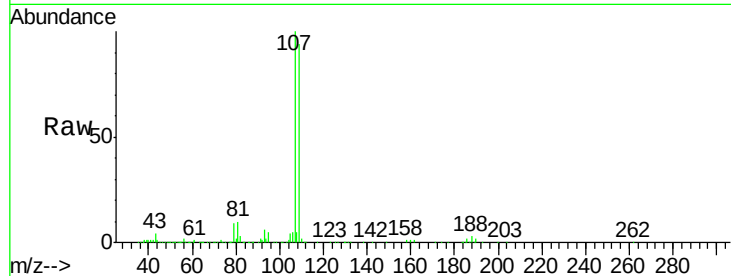
VX0124WBSD01

Tot Ion:107 Resp: 101448

Ion Ratio Lower Upper

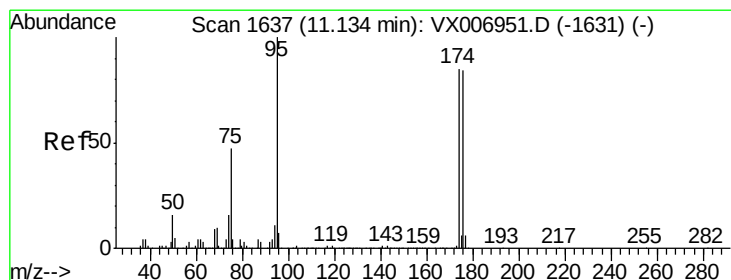
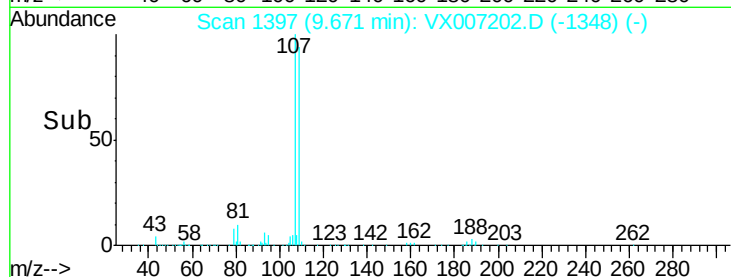
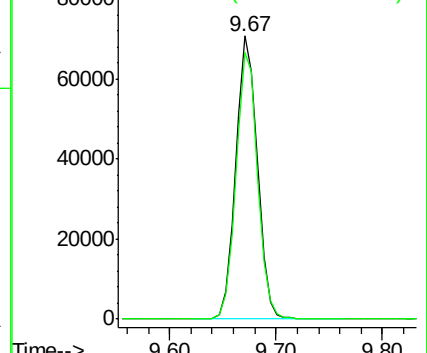
107 100

109 94.0 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.949 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

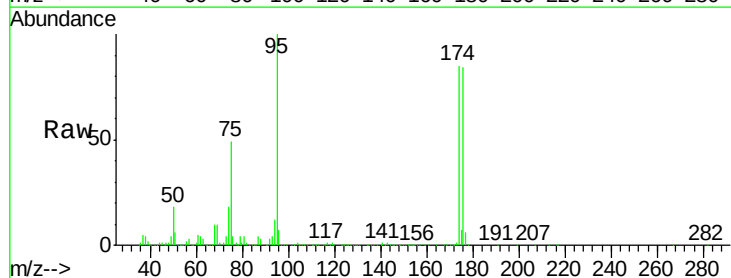
Tgt Ion: 95 Resp: 277240

Ion Ratio Lower Upper

95 100

174 92.7 0.0 182.2

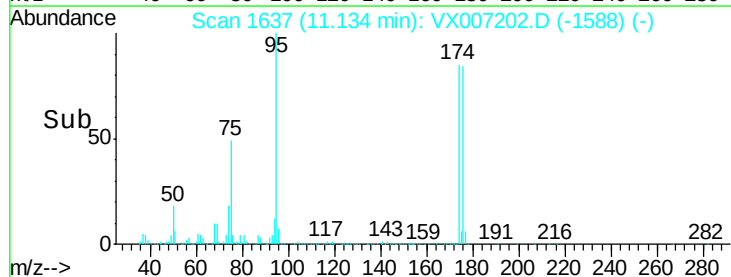
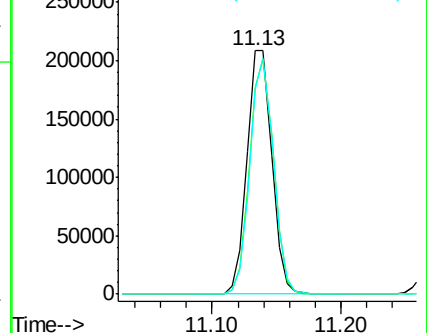
176 91.5 0.0 178.8

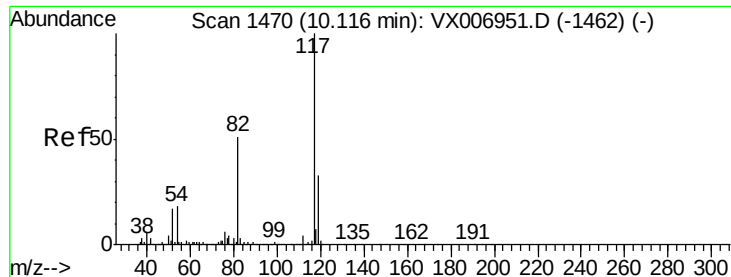


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

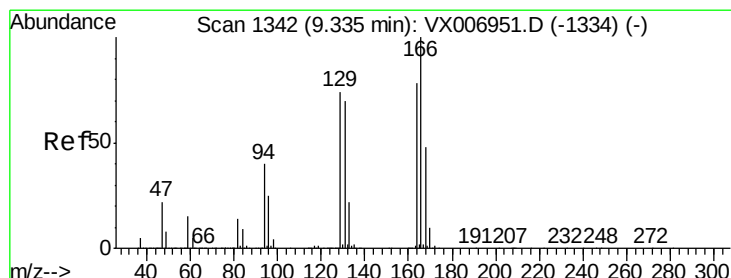
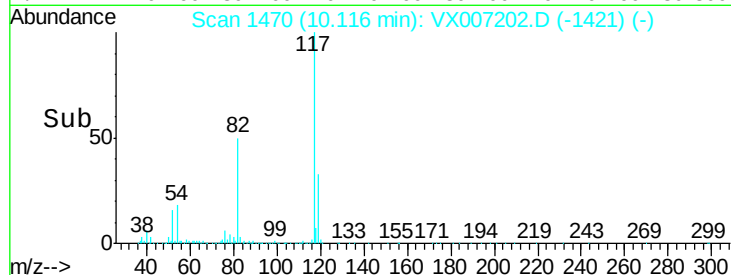
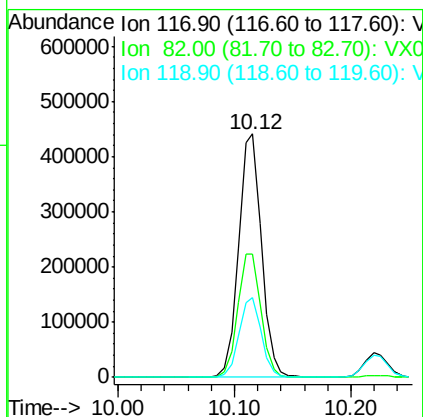
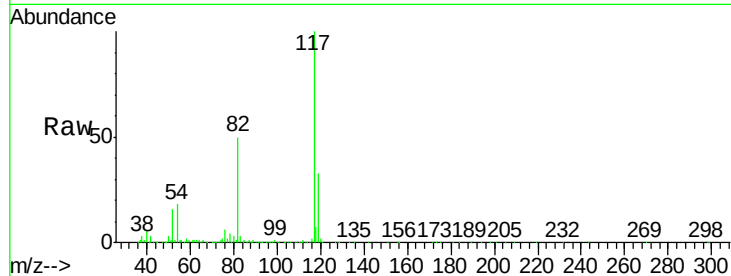




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

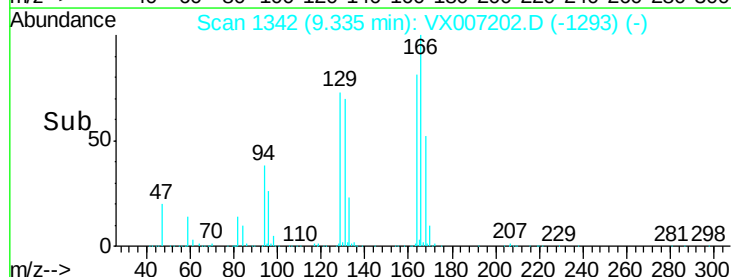
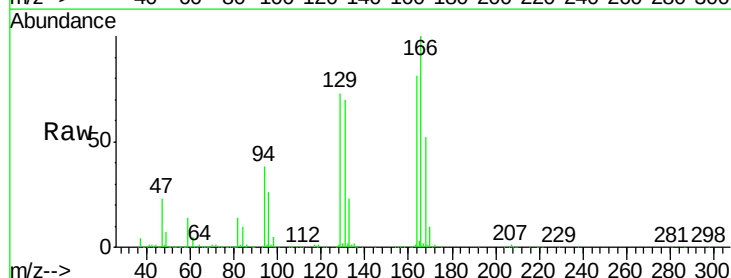
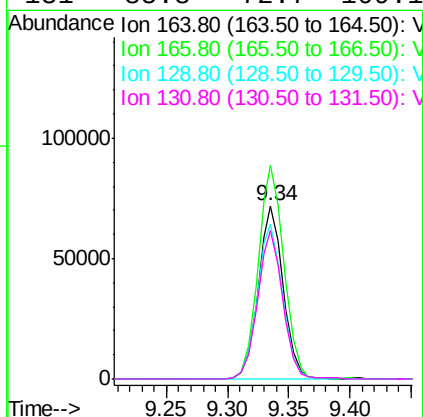
Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

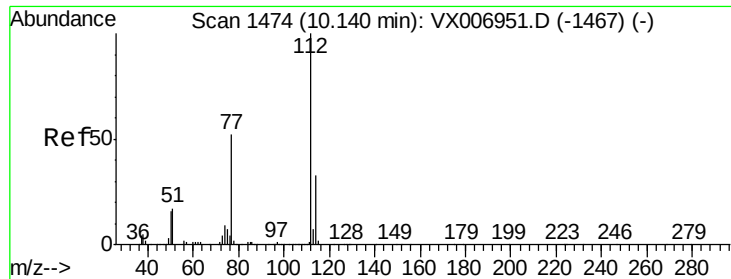
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.0	61.6
119	32.6	25.4	38.0



#64
Tetrachloroethene
Concen: 19.498 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.5	153.7
129	89.5	75.1	112.7
131	85.8	72.7	109.1





#65

Chlorobenzene

Concen: 19.358 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

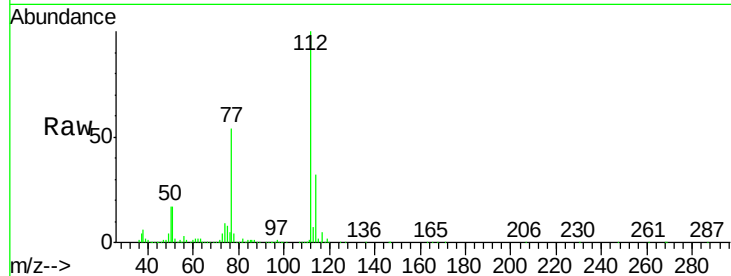
VX0124WBSD01

Tot Ion:112 Resp: 255152

Ion Ratio Lower Upper

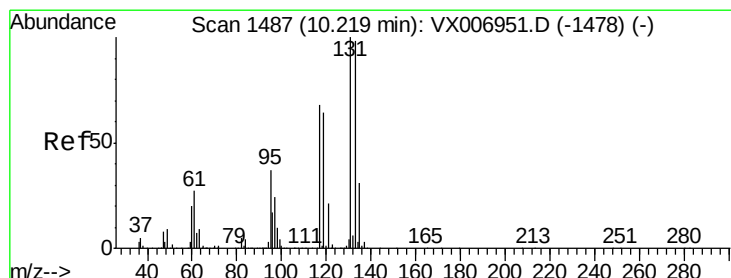
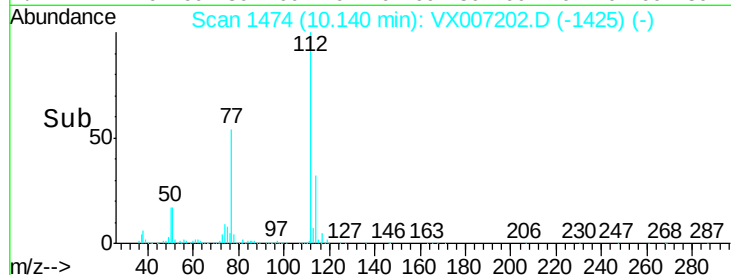
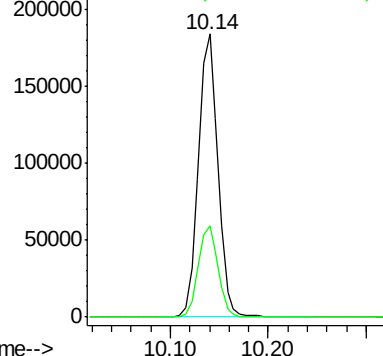
112 100

114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.844 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

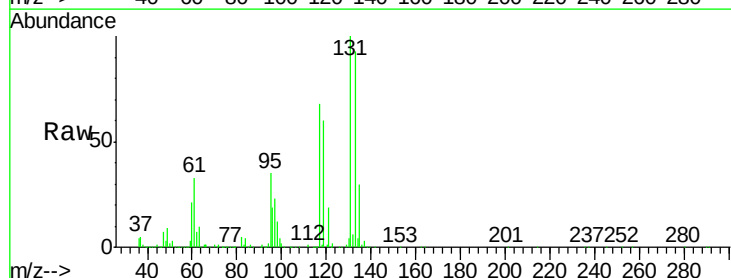
Tgt Ion:131 Resp: 87990

Ion Ratio Lower Upper

131 100

133 98.6 48.0 144.2

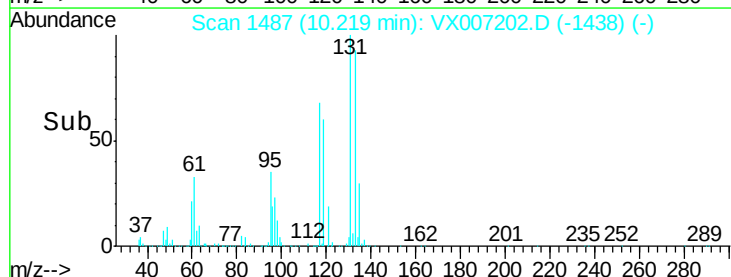
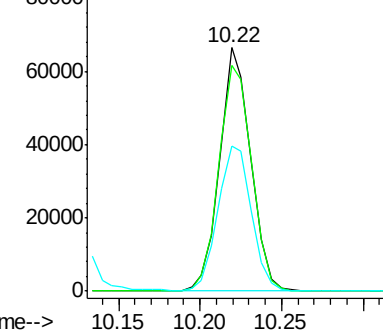
119 64.3 32.6 97.8

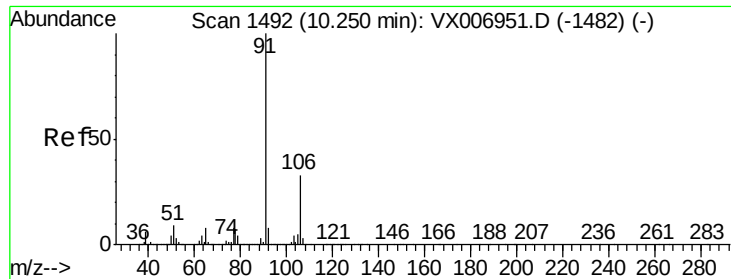


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.690 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

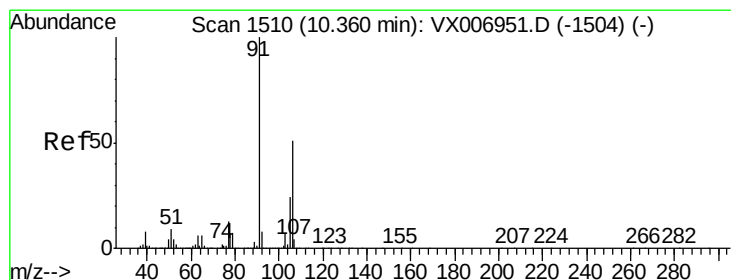
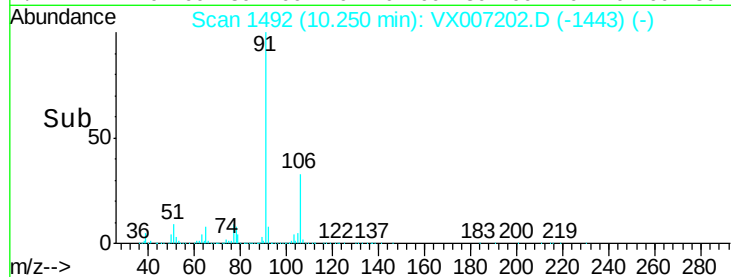
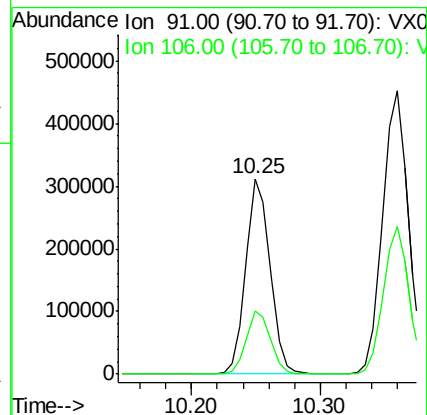
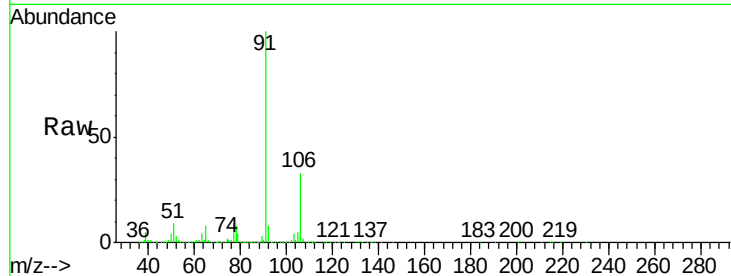
VX0124WBSD01

Tot Ion: 91 Resp: 406694

Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6



#68

m/p-Xylenes

Concen: 37.240 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007202.D

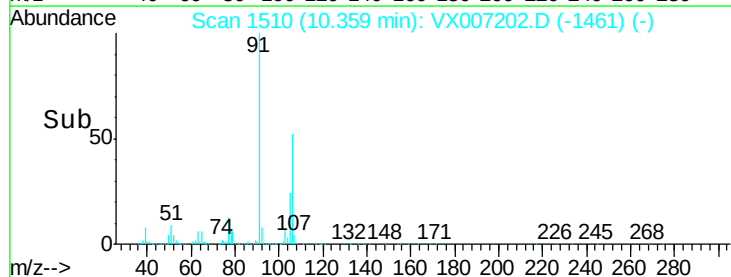
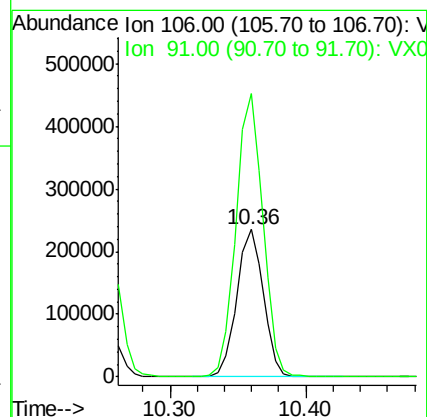
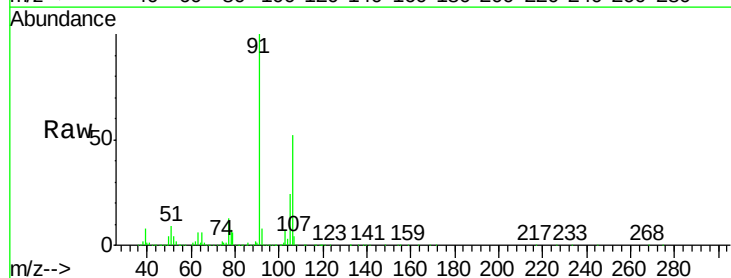
Acq: 24 Jan 2019 14:35

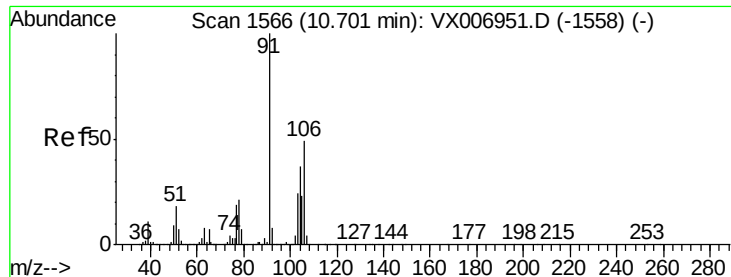
Tgt Ion: 106 Resp: 319266

Ion Ratio Lower Upper

106 100

91 194.8 155.8 233.6





#69

o-Xylene

Concen: 18.791 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampled :

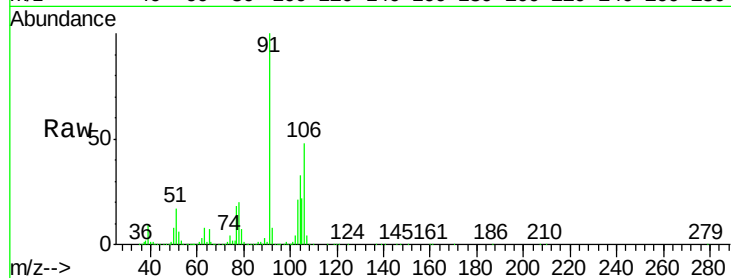
VX0124WBSD01

Tot Ion:106 Resp: 157107

Ion Ratio Lower Upper

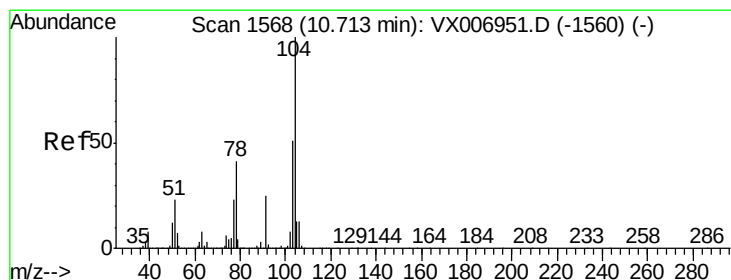
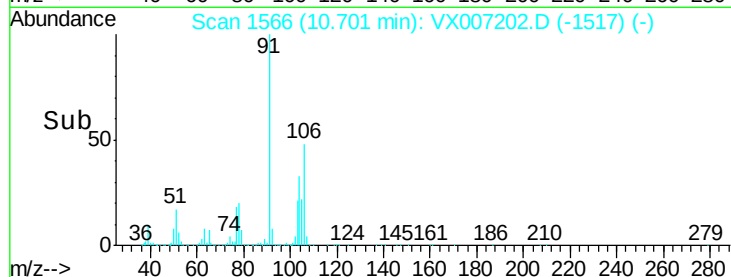
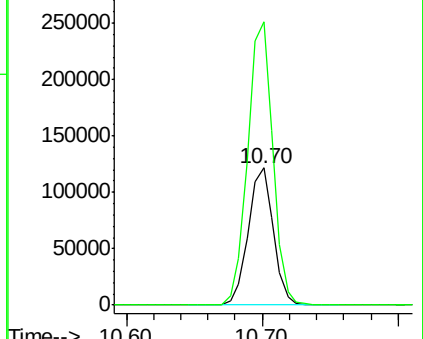
106 100

91 207.3 101.3 303.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 19.139 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

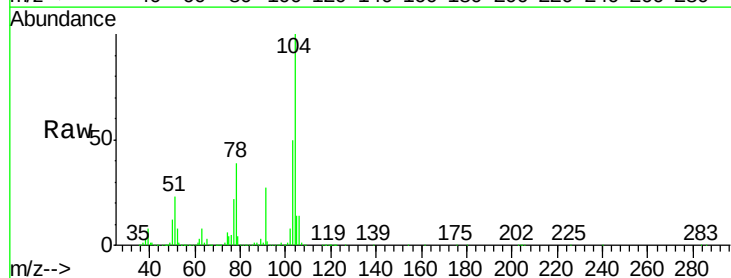
Tgt Ion:104 Resp: 253444

Ion Ratio Lower Upper

104 100

78 46.2 37.7 56.5

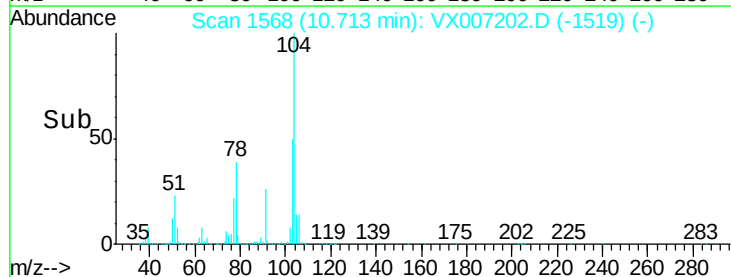
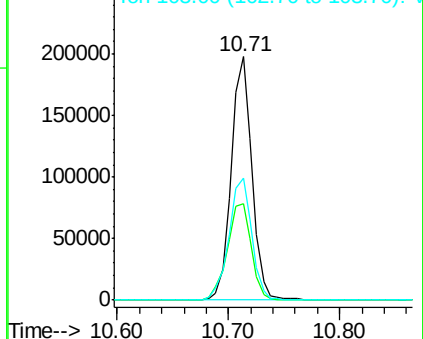
103 55.9 43.8 65.8

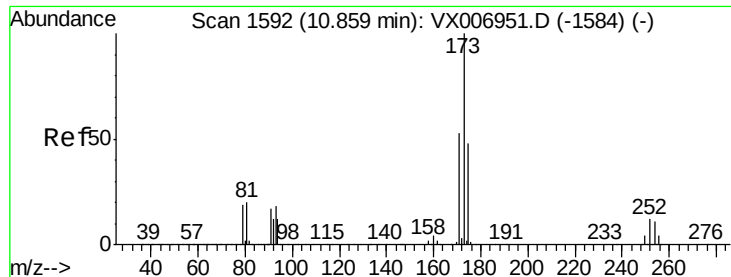


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.996 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

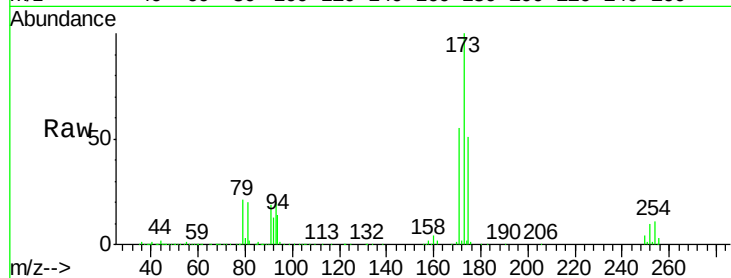
Tot Ion:173 Resp: 62513

Ion Ratio Lower Upper

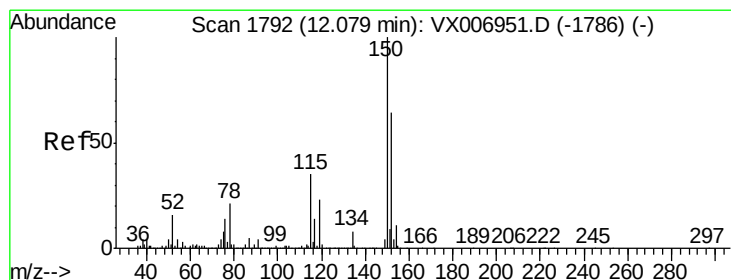
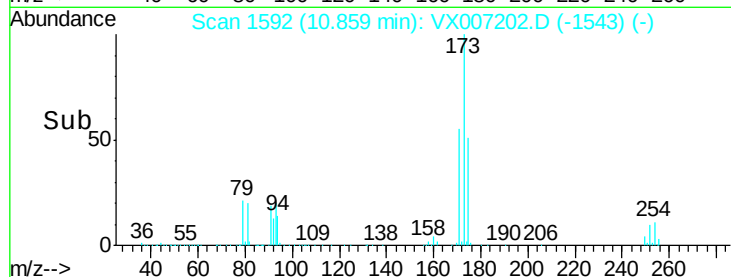
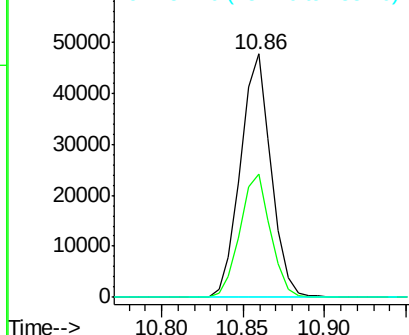
173 100

175 50.7 24.7 74.1

254 0.3 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: VX007202.D

Acq: 24 Jan 2019 14:35

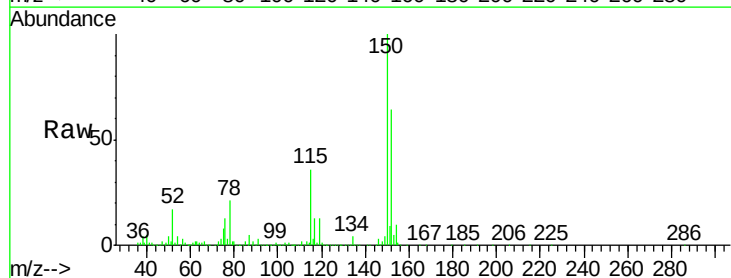
Tgt Ion:152 Resp: 308792

Ion Ratio Lower Upper

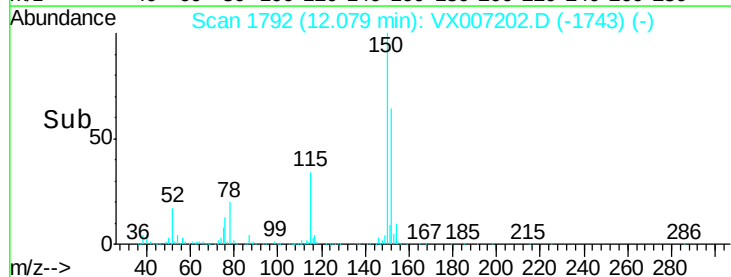
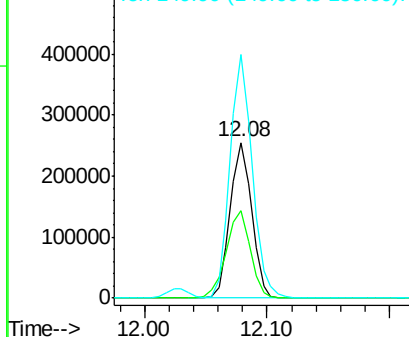
152 100

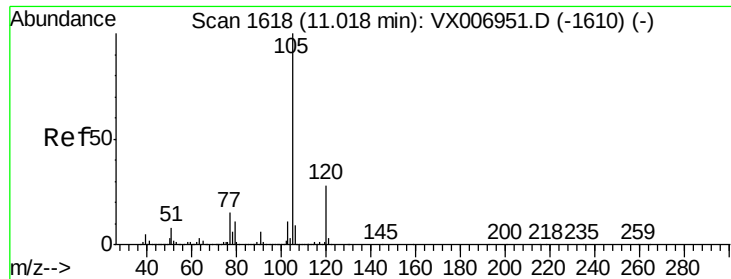
115 62.7 39.1 117.2

150 160.7 0.0 344.8



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





#73

Isopropylbenzene

Concen: 19.327 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

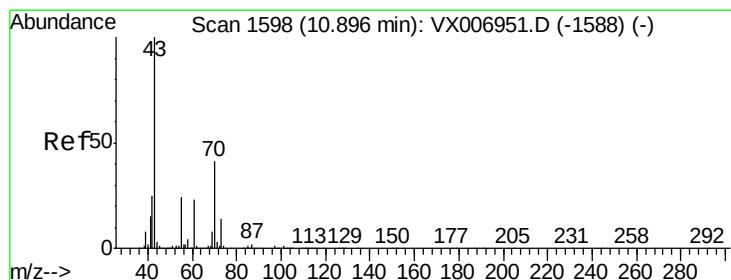
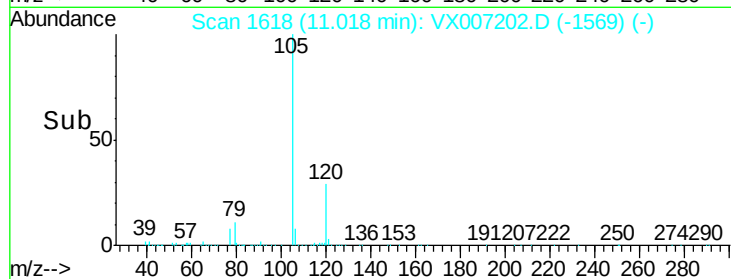
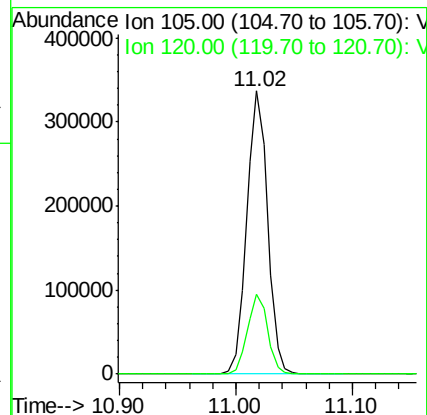
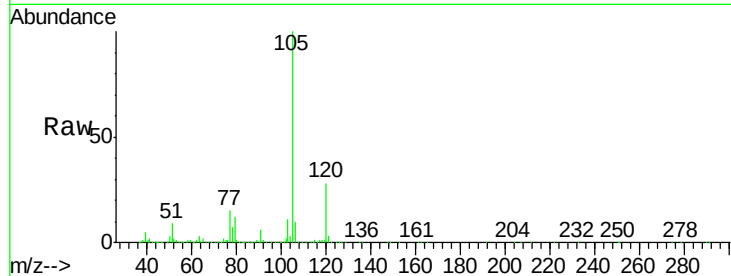
VX0124WBSD01

Tot Ion:105 Resp: 420831

Ion Ratio Lower Upper

105 100

120 27.5 14.1 42.4



#74

N-ethyl acetate

Concen: 19.001 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Tgt Ion: 43 Resp: 166576

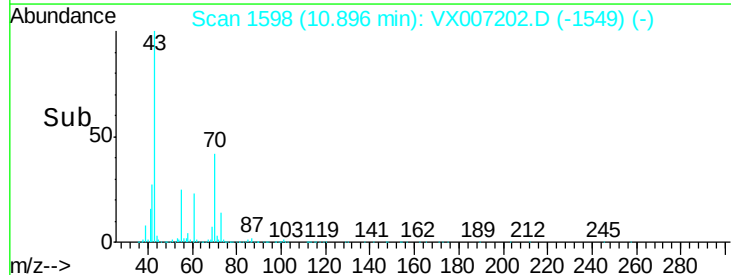
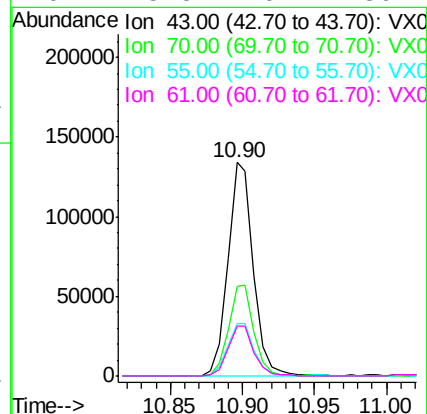
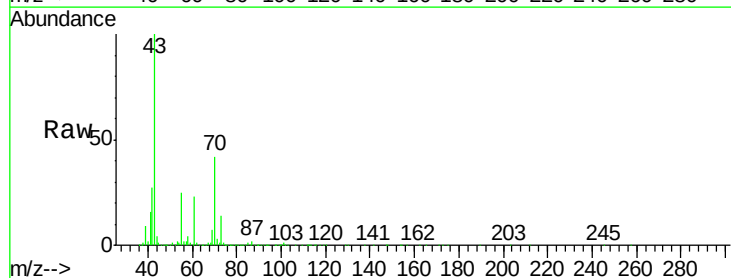
Ion Ratio Lower Upper

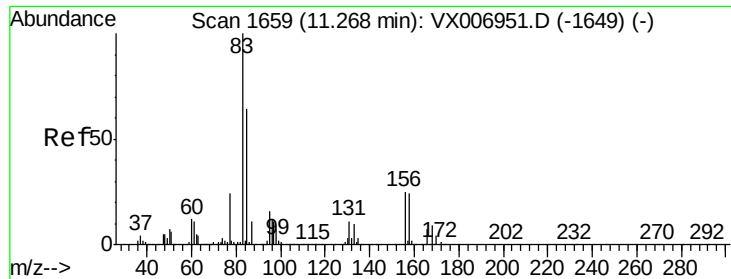
43 100

70 42.7 35.8 53.8

55 25.6 19.4 29.0

61 23.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.062 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

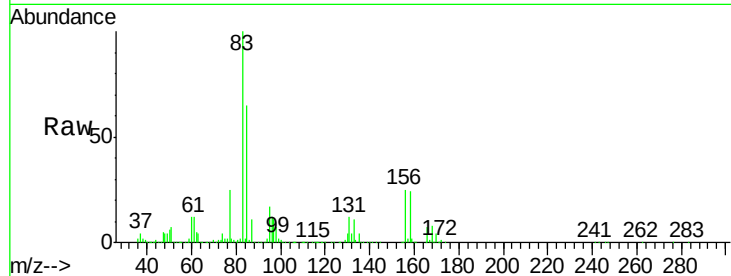
Tot Ion: 83 Resp: 138682

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

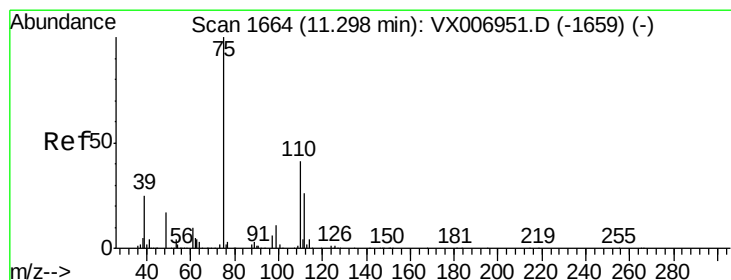
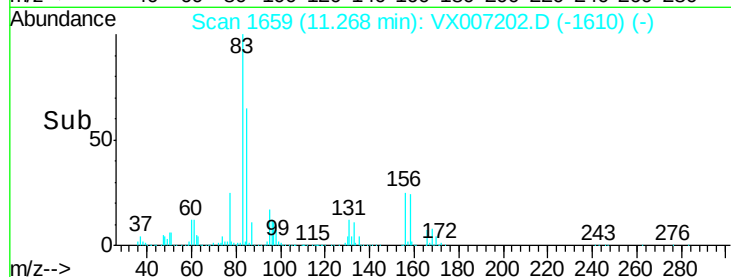
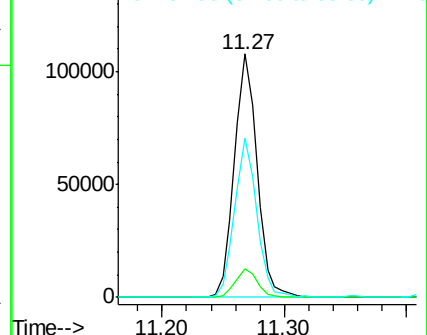
85 63.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.382 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007202.D

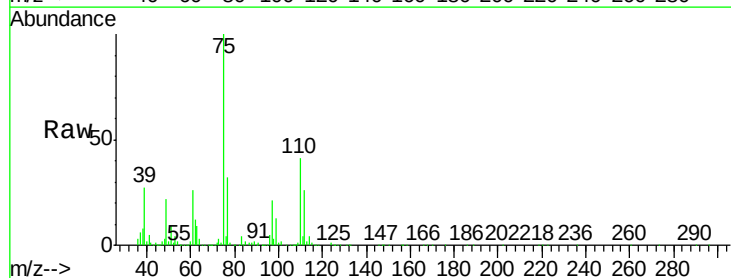
Acq: 24 Jan 2019 14:35

Tgt Ion: 75 Resp: 146314

Ion Ratio Lower Upper

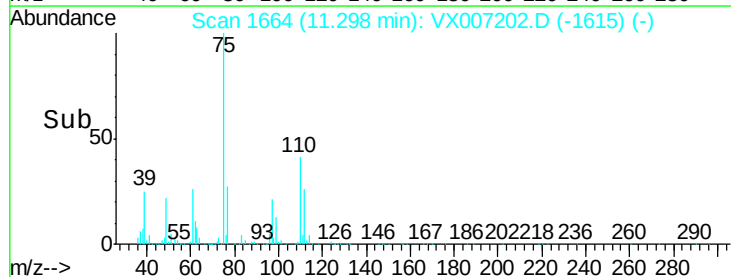
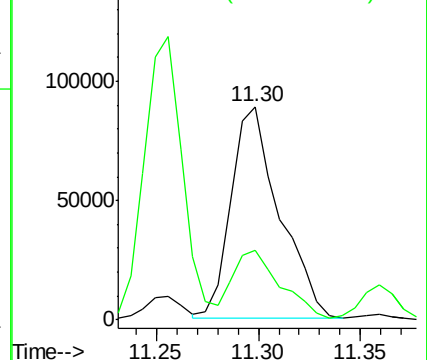
75 100

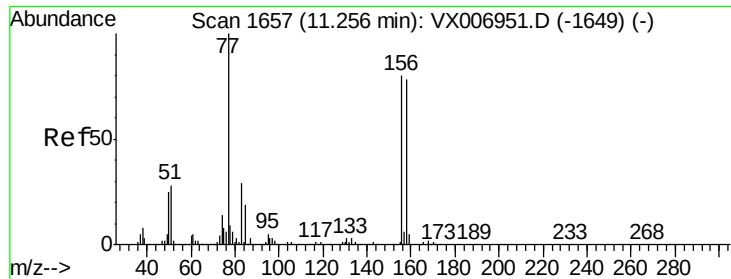
77 32.2 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.236 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

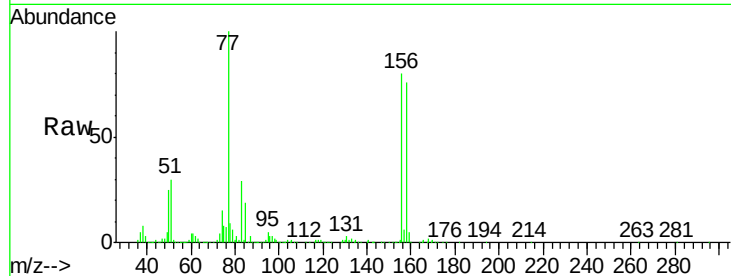
Tot Ion:156 Resp: 115407

Ion Ratio Lower Upper

156 100

77 134.3 68.0 204.0

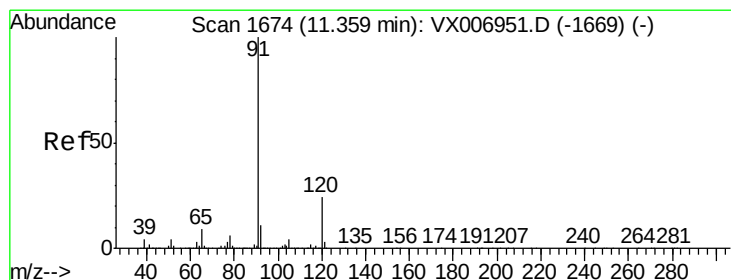
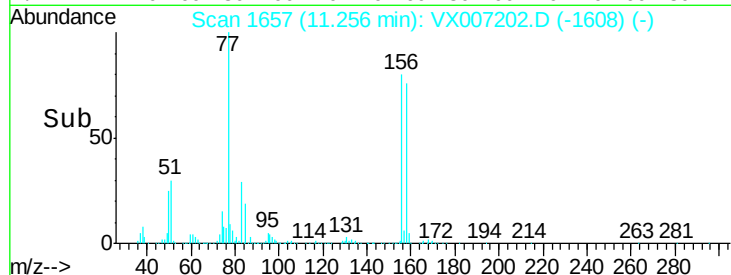
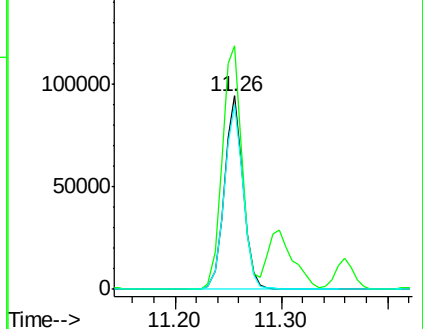
158 96.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.246 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007202.D

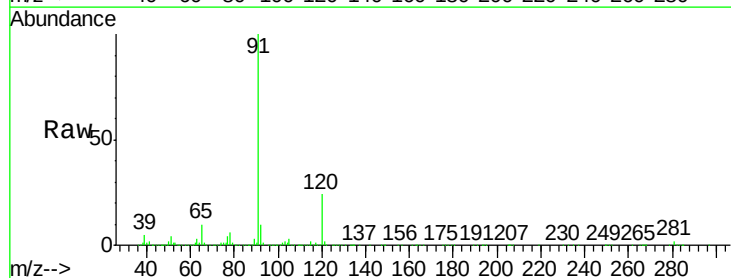
Acq: 24 Jan 2019 14:35

Tgt Ion: 91 Resp: 460039

Ion Ratio Lower Upper

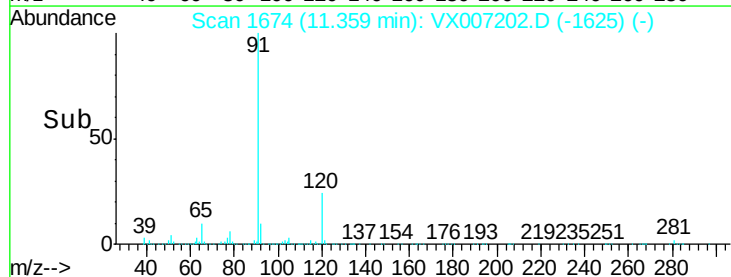
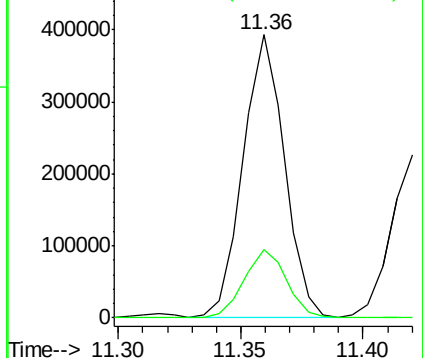
91 100

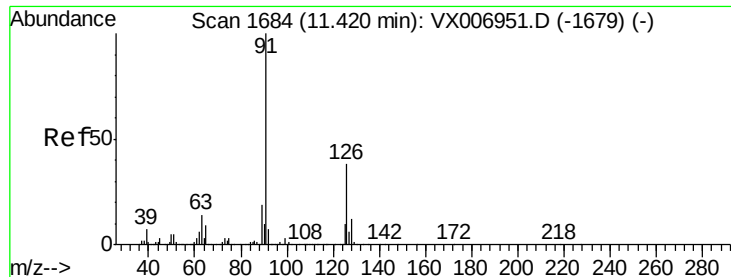
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.924 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

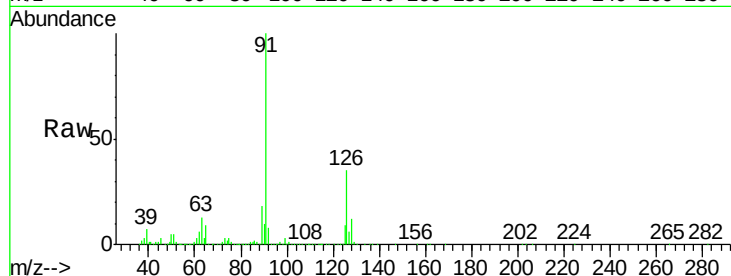
VX0124WBSD01

Tot Ion: 91 Resp: 272290

Ion Ratio Lower Upper

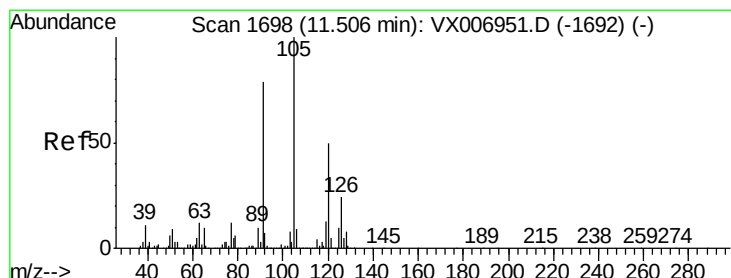
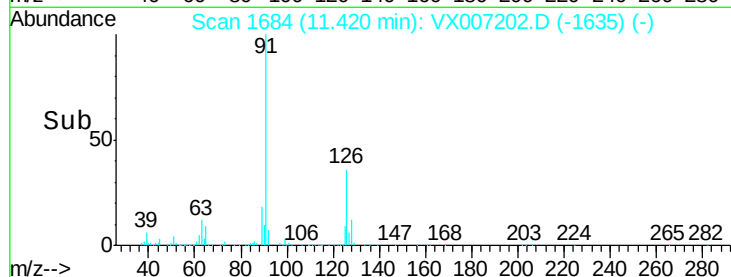
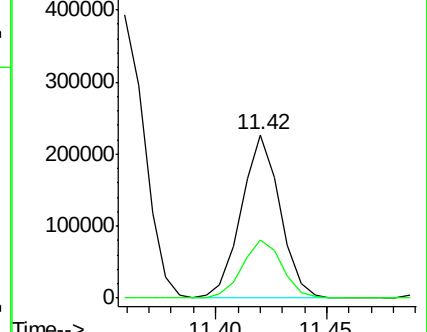
91 100

126 37.0 18.6 56.0



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: 18.772 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007202.D

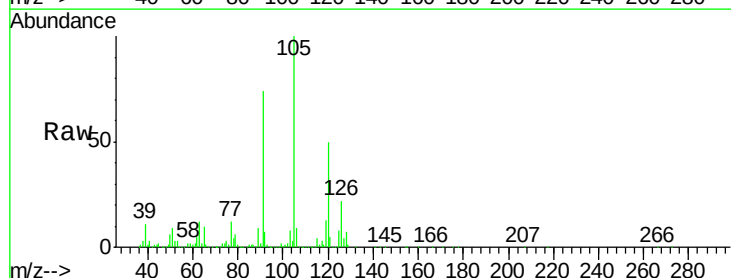
Acq: 24 Jan 2019 14:35

Tgt Ion: 105 Resp: 341540

Ion Ratio Lower Upper

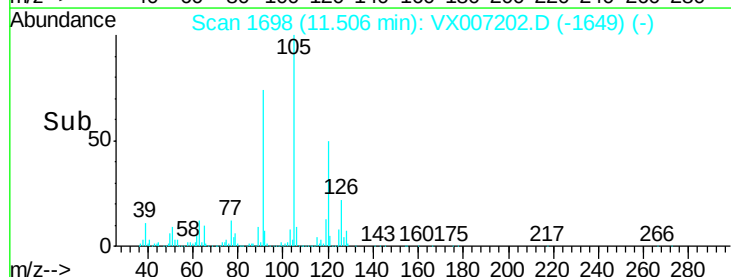
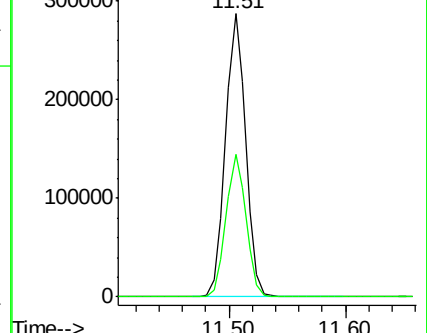
105 100

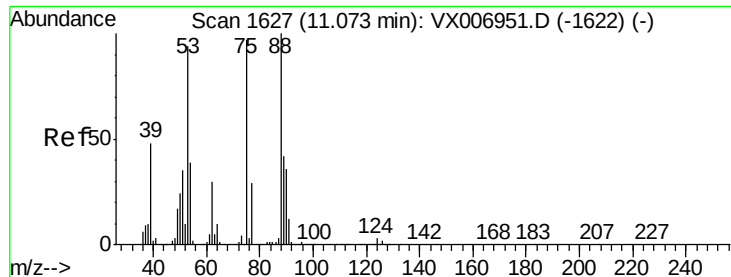
120 50.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

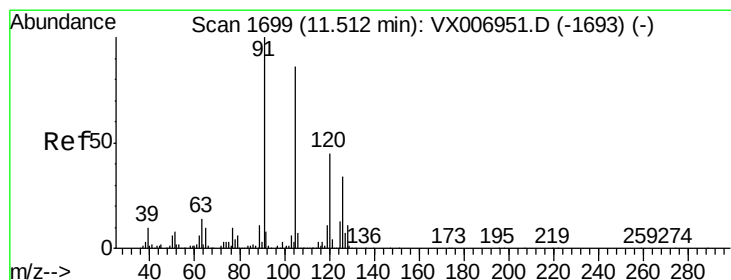
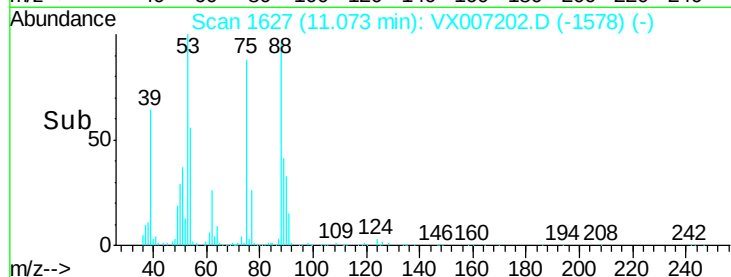
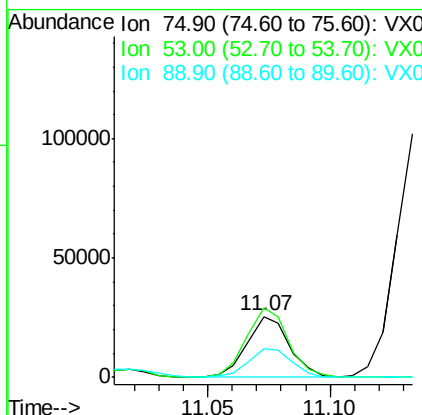
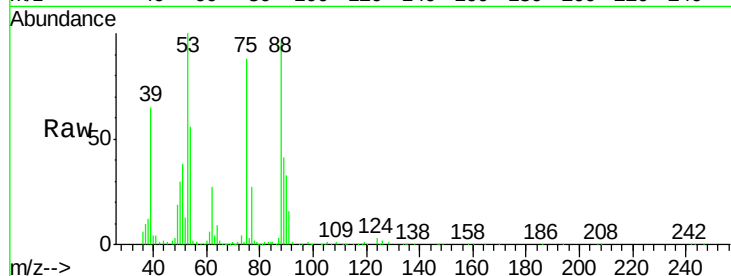




#81
trans-1,4-Dichloro-2-butene
Concen: 17.308 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

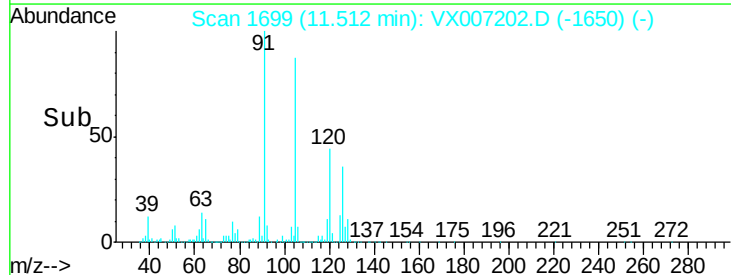
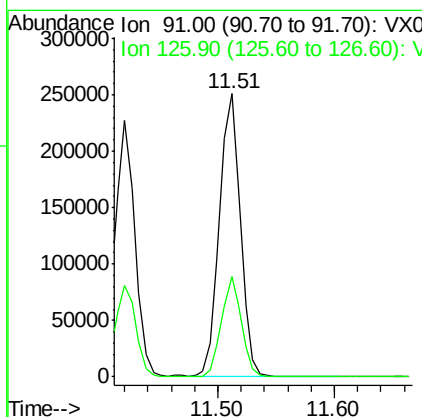
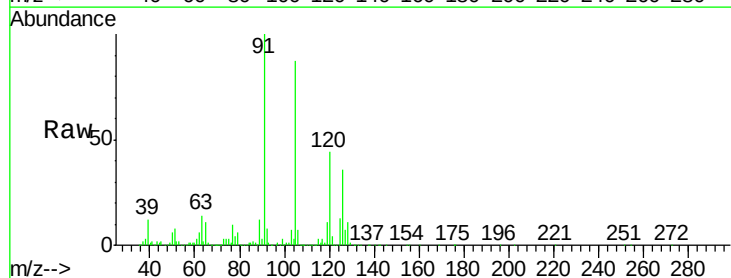
Instrument :
MSVOA_X
ClientSampled :
VX0124WBSD01

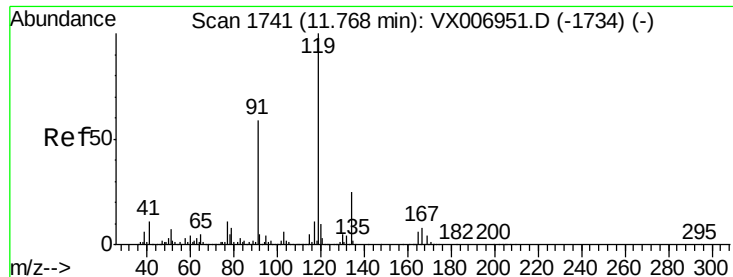
Tot Ion: 75 Resp: 30341
Ion Ratio Lower Upper
75 100
53 115.5 79.7 119.5
89 47.4 38.0 57.0



#82
4-Chlorotoluene
Concen: 18.766 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion: 91 Resp: 312636
Ion Ratio Lower Upper
91 100
126 33.4 16.3 48.9

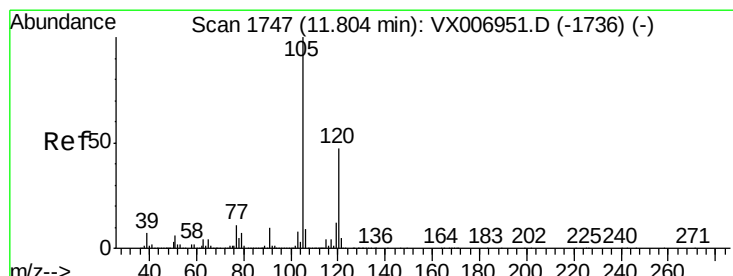
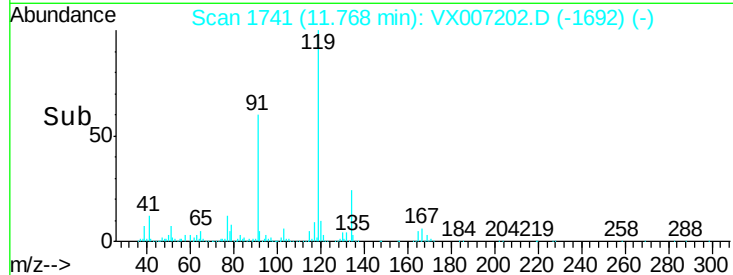
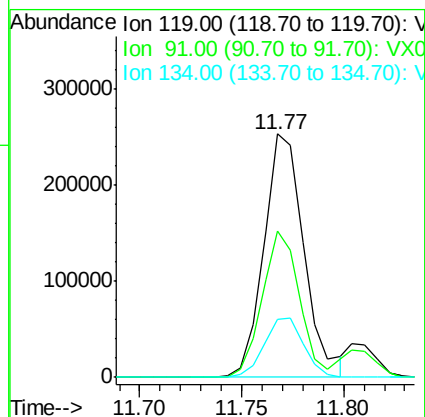
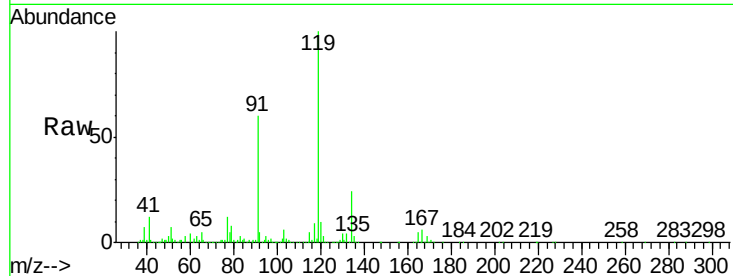




#83
 tert-Butylbenzene
 Concen: 19.147 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007202.D
 Acq: 24 Jan 2019 14:35

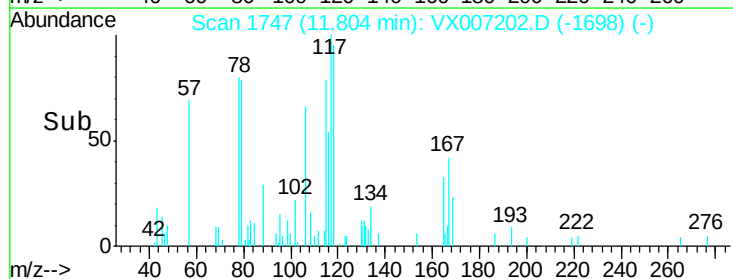
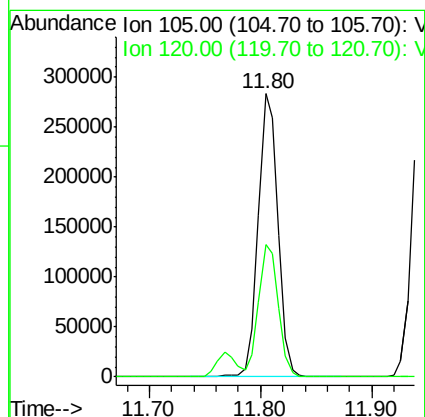
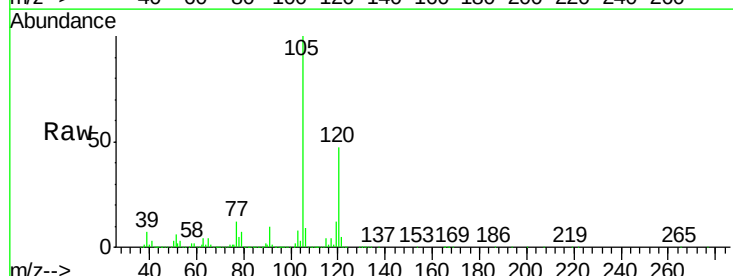
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBSD01

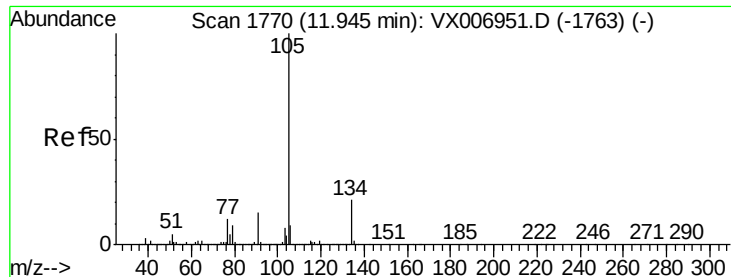
Tot Ion:119 Resp: 347560
 Ion Ratio Lower Upper
 119 100
 91 55.6 27.7 83.1
 134 24.0 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.182 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007202.D
 Acq: 24 Jan 2019 14:35

Tgt Ion:105 Resp: 350948
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 19.178 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

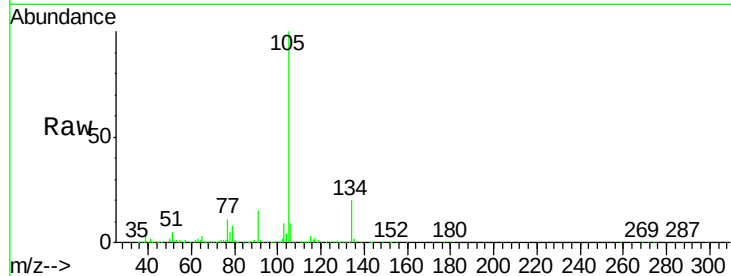
VX0124WBSD01

Tot Ion:105 Resp: 415759

Ion Ratio Lower Upper

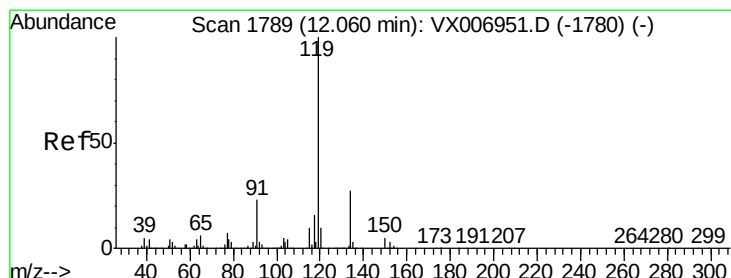
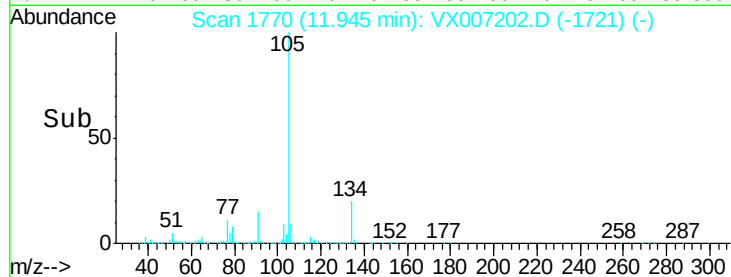
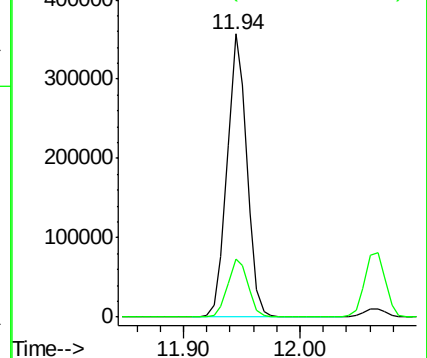
105 100

134 21.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.983 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

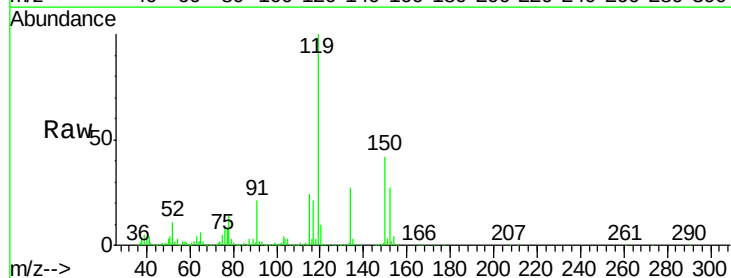
Tgt Ion:119 Resp: 368097

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

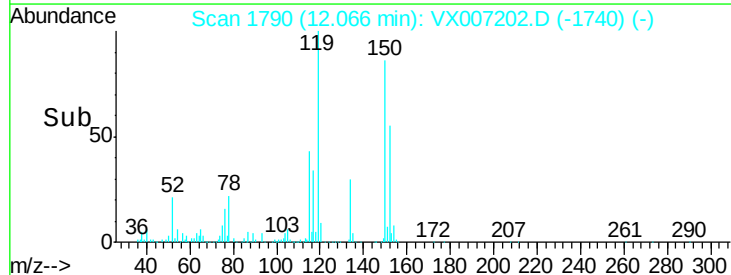
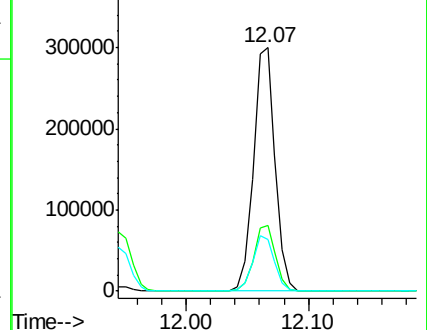
91 22.6 11.3 33.9

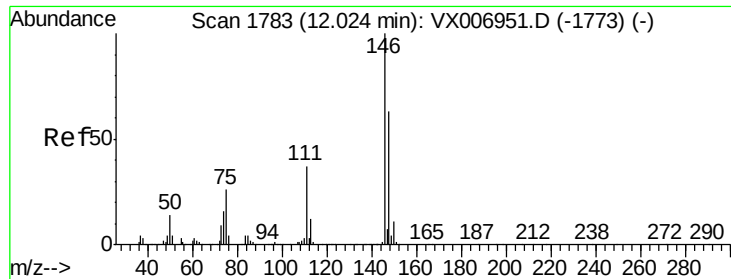


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 18.960 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

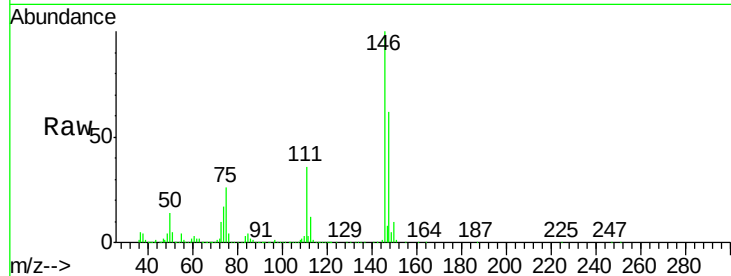
Tot Ion:146 Resp: 205605

Ion Ratio Lower Upper

146 100

111 36.2 18.6 55.8

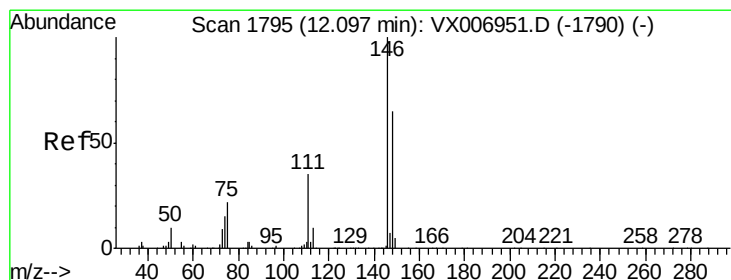
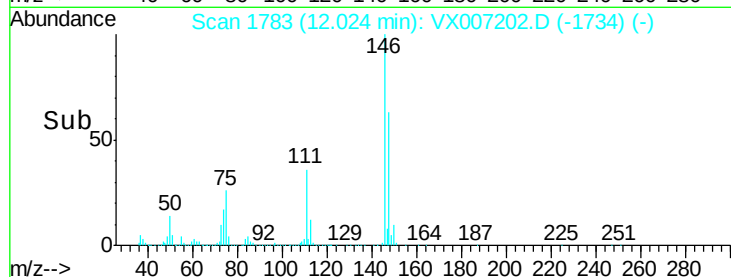
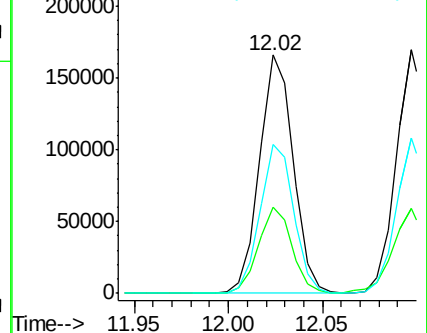
148 62.7 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.884 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

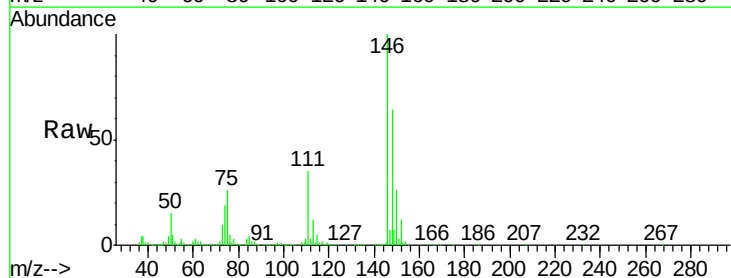
Tgt Ion:146 Resp: 203398

Ion Ratio Lower Upper

146 100

111 36.6 18.1 54.1

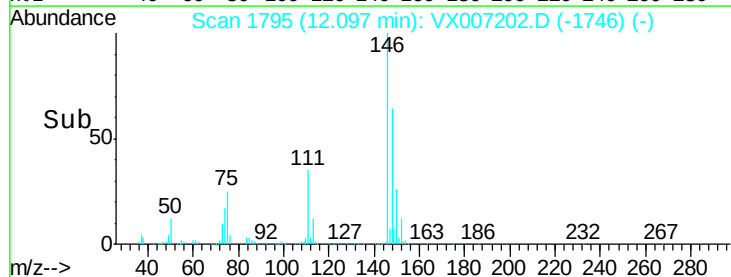
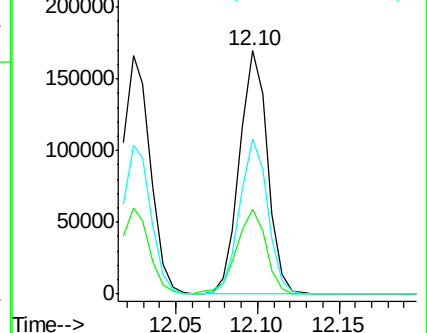
148 64.1 31.9 95.9

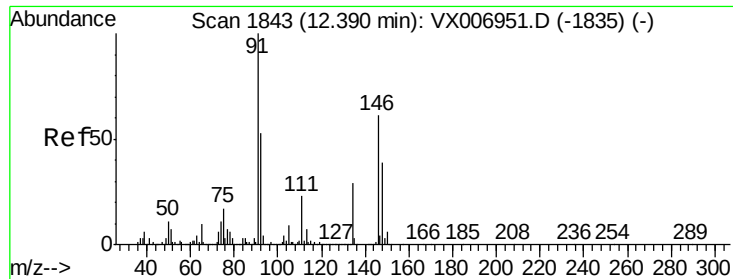


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

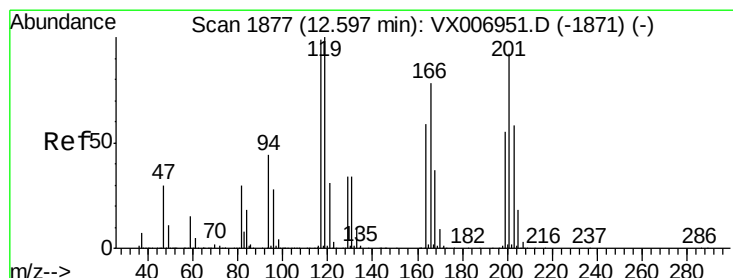
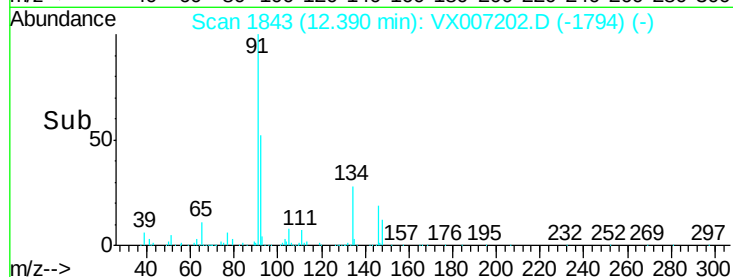
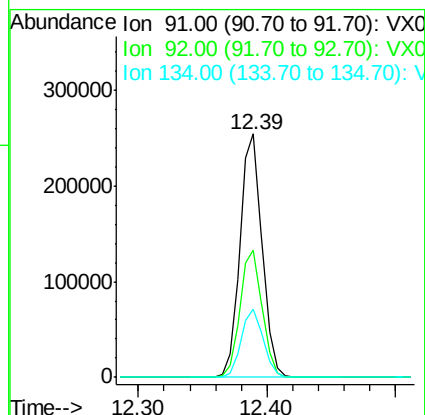
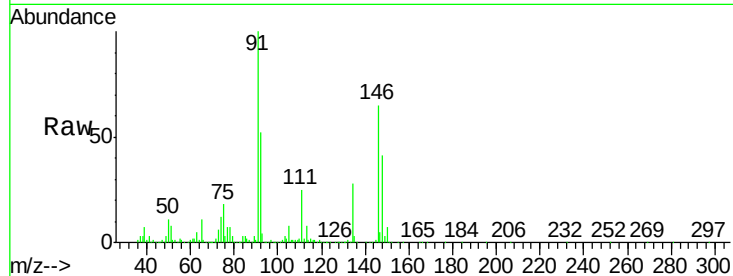




#89
n-Butylbenzene
Concen: 18.350 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

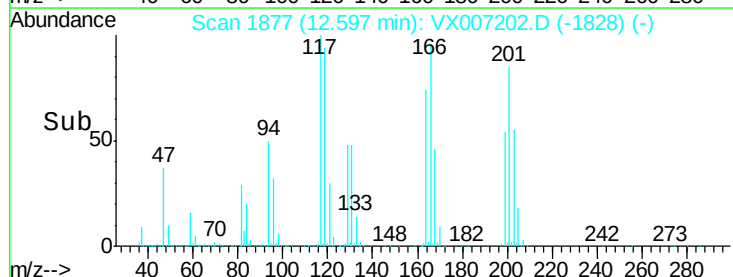
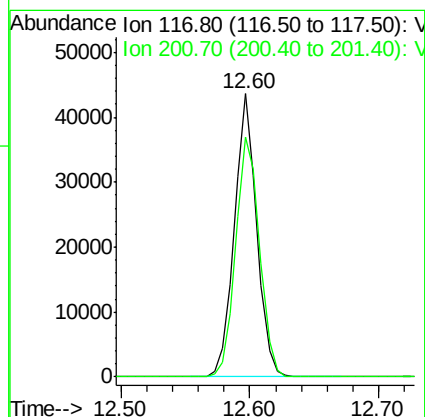
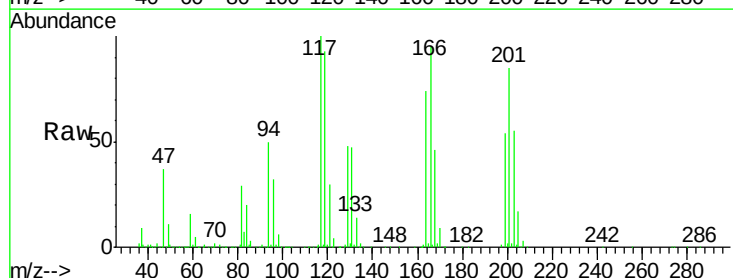
Instrument :
MSVOA_X
ClientSampleId :
VX0124WBSD01

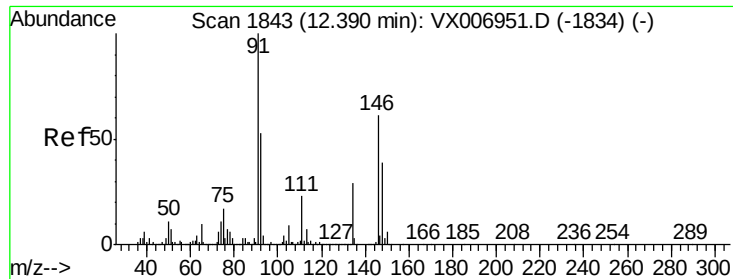
Tot Ion: 91 Resp: 303341
Ion Ratio Lower Upper
91 100
92 52.3 26.8 80.4
134 28.1 14.4 43.2



#90
Hexachloroethane
Concen: 19.006 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007202.D
Acq: 24 Jan 2019 14:35

Tgt Ion: 117 Resp: 52912
Ion Ratio Lower Upper
117 100
201 90.0 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 19.190 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

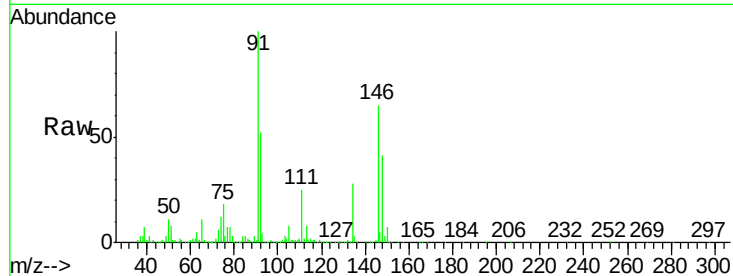
Tot Ion:146 Resp: 205359

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.2

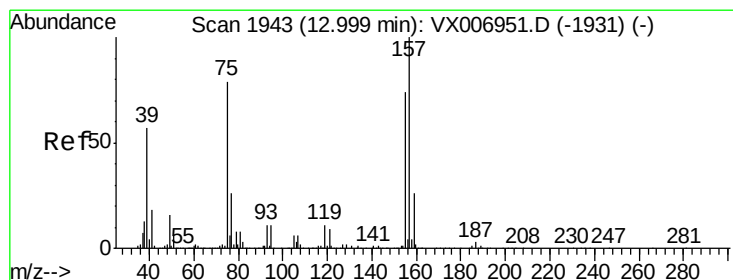
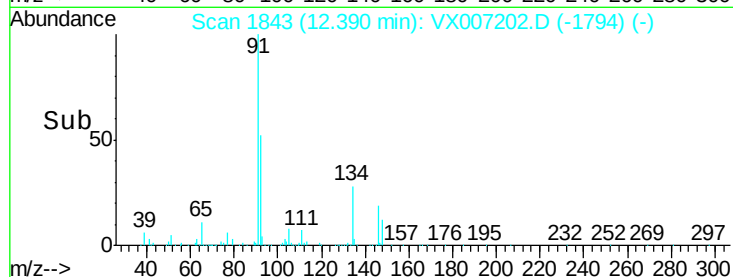
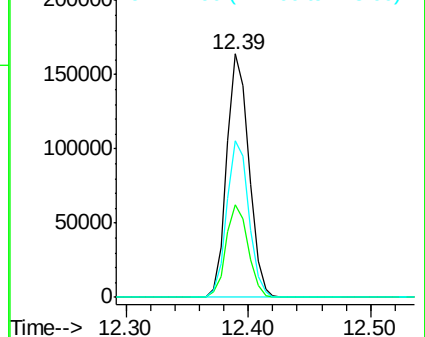
148 64.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.341 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

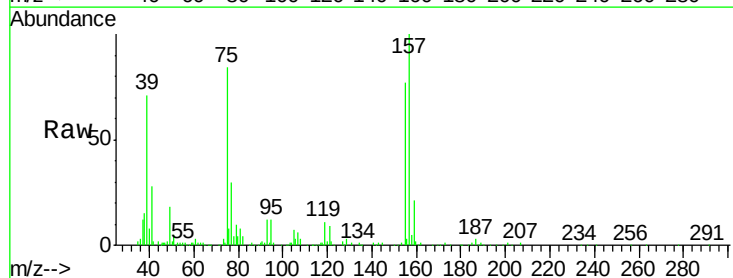
Tgt Ion: 75 Resp: 26442

Ion Ratio Lower Upper

75 100

155 102.4 50.6 151.8

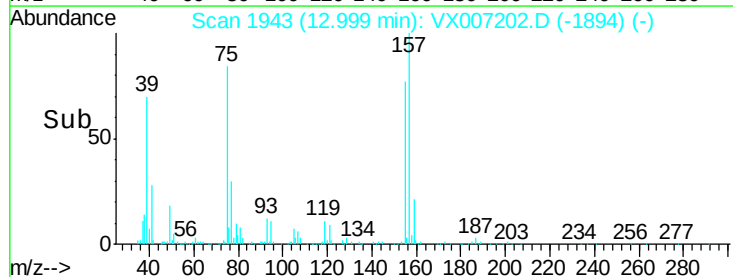
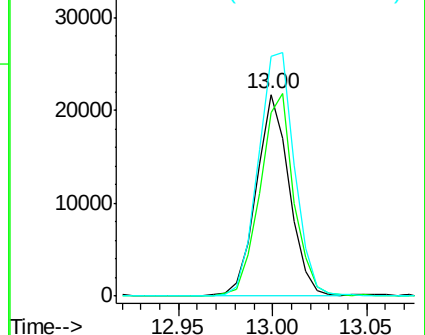
157 132.5 64.6 193.8

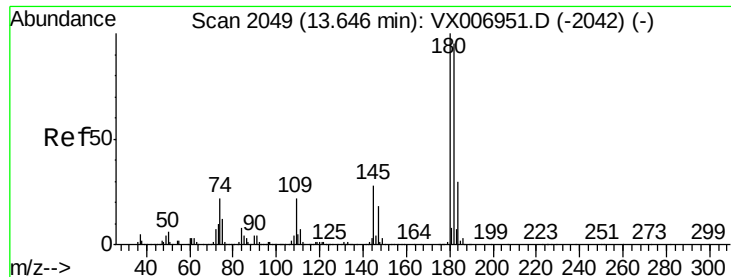


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.116 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

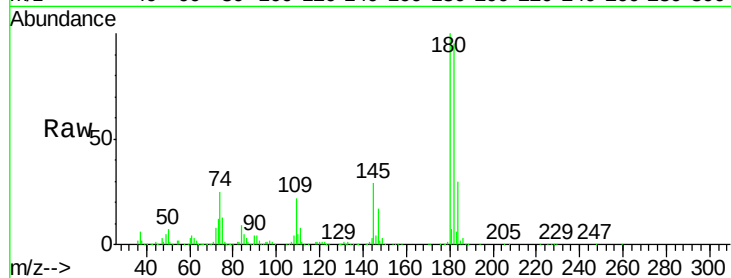
Tot Ion:180 Resp: 133010

Ion Ratio Lower Upper

180 100

182 96.5 47.3 142.0

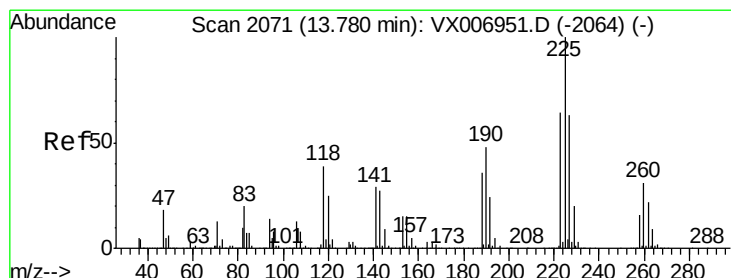
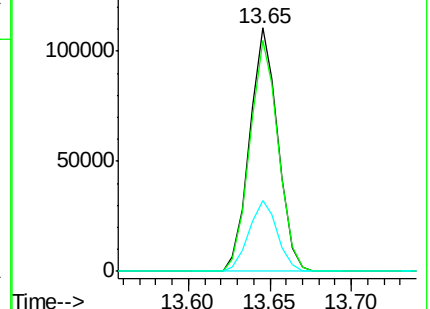
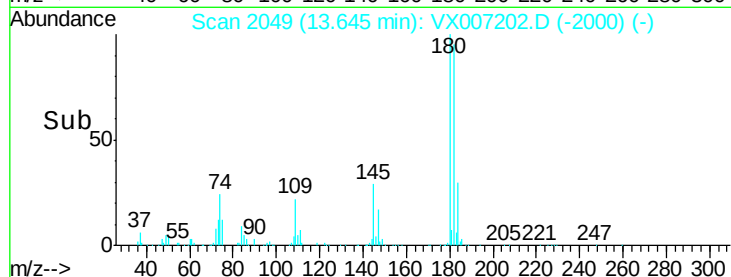
145 29.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.650 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

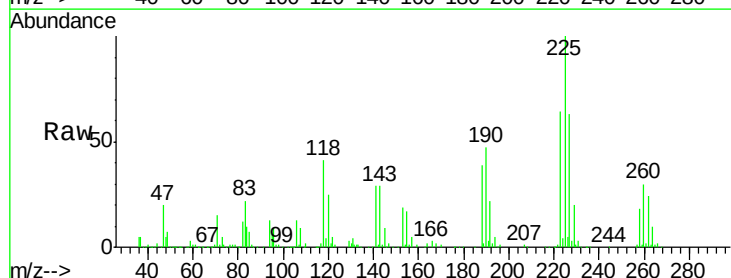
Tgt Ion:225 Resp: 64023

Ion Ratio Lower Upper

225 100

223 62.7 32.1 96.3

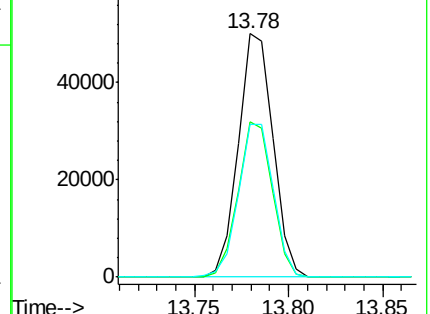
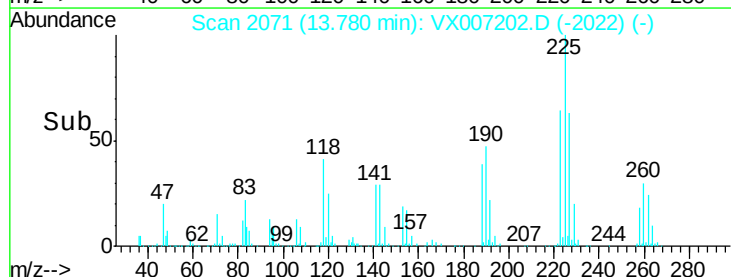
227 63.1 32.3 96.8

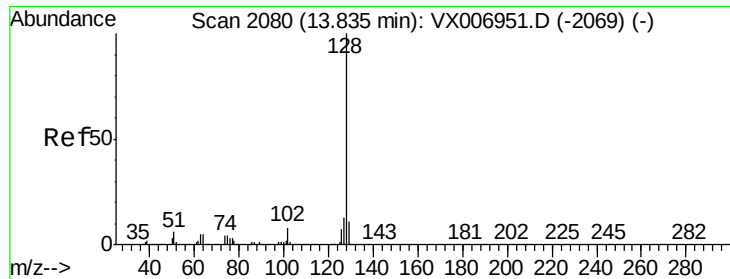


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.342 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBSD01

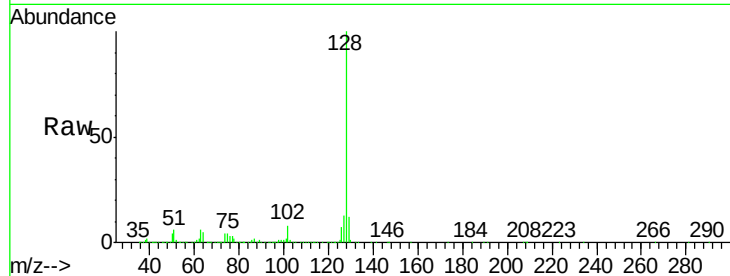
Tot Ion:128 Resp: 430326

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

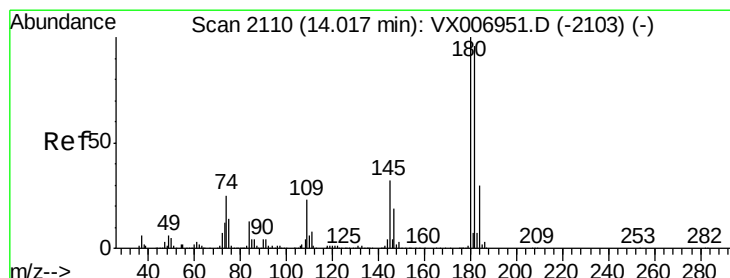
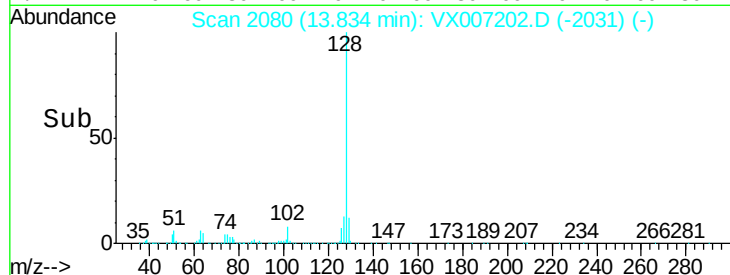
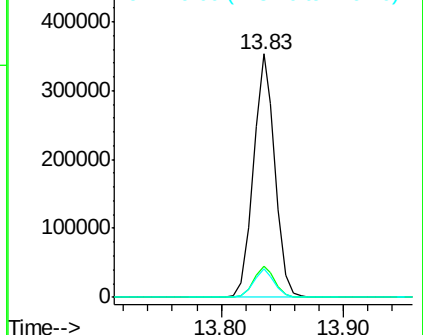
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.828 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX007202.D

Acq: 24 Jan 2019 14:35

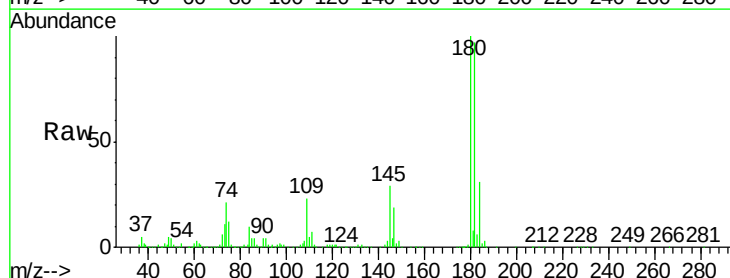
Tgt Ion:180 Resp: 137320

Ion Ratio Lower Upper

180 100

182 96.3 48.5 145.5

145 30.7 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

