

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010419\
 Data File : VX006919.D
 Acq On : 04 Jan 2019 17:51
 Operator : JC/MD
 Sample : VX0104WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBSD01

Quant Time: Jan 04 22:20:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	508320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	766109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	679484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	342404	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	270332	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
35) Dibromofluoromethane	5.50	113	244176	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	8.71	98	883631	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	311492	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	69662	14.980	ug/l	97
3) Chloromethane	1.33	50	82007	16.369	ug/l	97
4) Vinyl Chloride	1.41	62	89484	17.102	ug/l	98
5) Bromomethane	1.64	94	89833	17.138	ug/l	99
6) Chloroethane	1.71	64	59603	16.451	ug/l	95
7) Trichlorofluoromethane	1.93	101	150564	18.457	ug/l	97
8) Diethyl Ether	2.19	74	63029	19.452	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	90783	18.953	ug/l	100
10) Methyl Iodide	2.51	142	109373	15.952	ug/l	99
11) Tert butyl alcohol	3.08	59	131325	107.411	ug/l	97
12) 1,1-Dichloroethene	2.37	96	83034	18.283	ug/l	96
13) Acrolein	2.30	56	72933	88.425	ug/l	100
14) Allyl chloride	2.73	41	145436	19.024	ug/l	97
15) Acrylonitrile	3.15	53	284751	104.894	ug/l	99
16) Acetone	2.45	43	240798	95.670	ug/l	97
17) Carbon Disulfide	2.57	76	158050	13.150	ug/l	98
18) Methyl Acetate	2.78	43	197221	26.648	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	322827	21.416	ug/l	100
20) Methylene Chloride	2.86	84	100105	19.234	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	88824	17.651	ug/l	96
22) Diisopropyl ether	3.87	45	294029	21.024	ug/l	97
23) Vinyl Acetate	3.82	43	1170754	102.341	ug/l	99
24) 1,1-Dichloroethane	3.70	63	157802	18.901	ug/l	98
25) 2-Butanone	4.70	43	360710	101.883	ug/l	100
26) 2,2-Dichloropropane	4.59	77	108547	16.831	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	106942	19.262	ug/l	98
28) Bromochloromethane	5.01	49	73772	19.844	ug/l	94
29) Tetrahydrofuran	5.15	42	242258	103.891	ug/l	97
30) Chloroform	5.21	83	173067	20.018	ug/l	100
31) Cyclohexane	5.57	56	126219	16.641	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	137812	18.878	ug/l	98
36) 1,1-Dichloropropene	5.80	75	114948	18.116	ug/l	99
37) Ethyl Acetate	4.85	43	137932	20.886	ug/l	99
38) Carbon Tetrachloride	5.78	117	115360	18.708	ug/l	89

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 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	133908	16.030	ug/l	99
40) Benzene	6.14	78	377325	19.564	ug/l	100
41) Methacrylonitrile	5.06	41	76380	21.784	ug/l	97
42) 1,2-Dichloroethane	6.20	62	129957	19.774	ug/l	99
43) Isopropyl Acetate	6.46	43	214596	21.356	ug/l	99
44) Trichloroethene	7.21	130	105403	18.056	ug/l	99
45) 1,2-Dichloropropane	7.51	63	97670	20.810	ug/l	96
46) Dibromomethane	7.66	93	68242	19.767	ug/l	100
47) Bromodichloromethane	7.90	83	111505	19.454	ug/l	98
48) Methyl methacrylate	7.77	41	110325	21.590	ug/l	97
49) 1,4-Dioxane	7.75	88	54554	396.028	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	691074	108.089	ug/l	99
52) Toluene	8.79	92	238594	19.148	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	116523	18.956	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	131217	19.454	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	105128	20.612	ug/l	97
56) Ethyl methacrylate	9.18	69	147617	20.478	ug/l	96
57) 1,3-Dichloropropane	9.37	76	166290	20.265	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	381814	99.643	ug/l	100
59) 2-Hexanone	9.49	43	519606	106.219	ug/l	98
60) Dibromochloromethane	9.58	129	95355	19.369	ug/l	98
61) 1,2-Dibromoethane	9.67	107	108544	20.020	ug/l	99
64) Tetrachloroethene	9.34	164	100780	18.731	ug/l	95
65) Chlorobenzene	10.14	112	278377	19.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	94842	21.147	ug/l	99
67) Ethyl Benzene	10.25	91	445610	18.970	ug/l	100
68) m/p-Xylenes	10.36	106	349764	37.735	ug/l	99
69) o-Xylene	10.70	106	175083	19.129	ug/l	99
70) Styrene	10.71	104	278707	19.247	ug/l	100
71) Bromoform	10.86	173	65924	19.302	ug/l #	98
73) Isopropylbenzene	11.02	105	463244	19.776	ug/l	100
74) N-amyl acetate	10.90	43	187144	22.320	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	152738	21.925	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	158123	24.849	ug/l	91
77) Bromobenzene	11.26	156	125106	19.755	ug/l	98
78) n-propylbenzene	11.36	91	498612	19.330	ug/l	100
79) 2-Chlorotoluene	11.42	91	304259	19.464	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	379247	19.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	31959	18.223	ug/l	89
82) 4-Chlorotoluene	11.51	91	345765	19.283	ug/l	100
83) tert-Butylbenzene	11.77	119	378138	19.582	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	387638	19.101	ug/l	100
85) sec-Butylbenzene	11.94	105	450201	19.016	ug/l	99
86) p-Isopropyltoluene	12.06	119	403968	19.411	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	221002	19.363	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	219291	18.742	ug/l	98
89) n-Butylbenzene	12.39	91	329295	18.592	ug/l	100
90) Hexachloroethane	12.60	117	54682	18.976	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	223161	19.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28361	19.675	ug/l	100

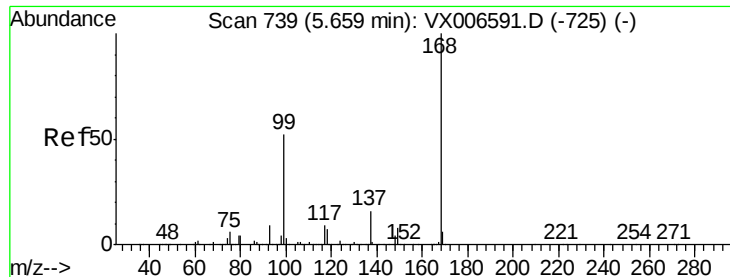
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010419\
Data File : VX006919.D
Acq On : 04 Jan 2019 17:51
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Sample : VX0104WBSD01
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

Quant Time: Jan 04 22:20:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	148680	18.878	ug/l	99
94) Hexachlorobutadiene	13.78	225	64156	17.283	ug/l	99
95) Naphthalene	13.83	128	472735	18.807	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	151419	18.621	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

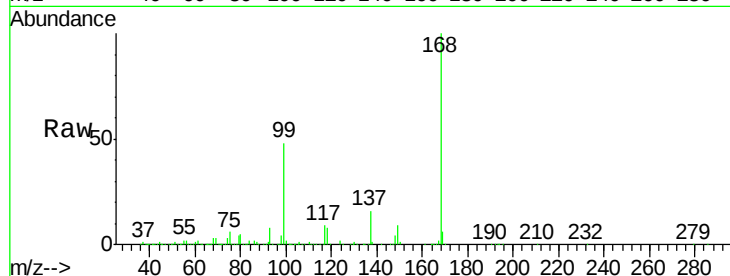
VX0104WBSD01

Tot Ion:168 Resp: 508320

Ion Ratio Lower Upper

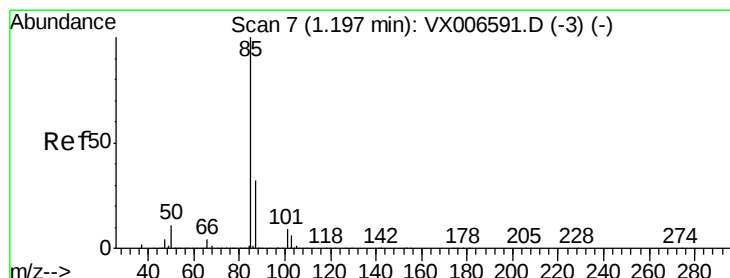
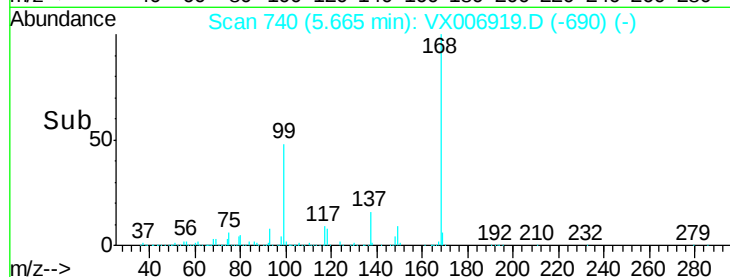
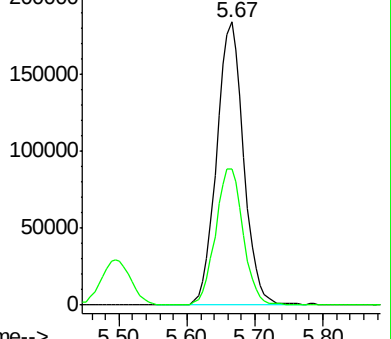
168 100

99 47.9 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: 14.980 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006919.D

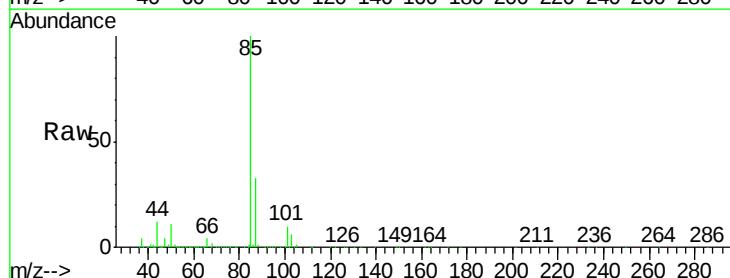
Acq: 04 Jan 2019 17:51

Tgt Ion: 85 Resp: 69662

Ion Ratio Lower Upper

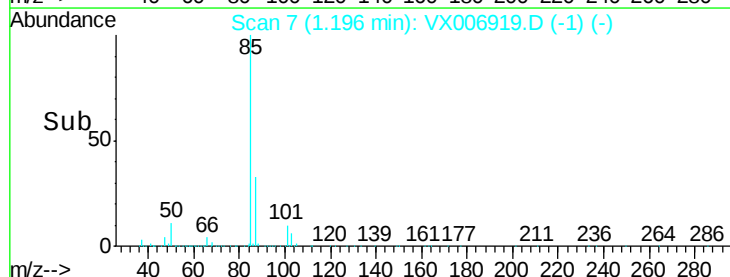
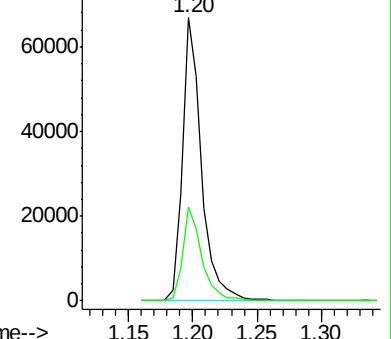
85 100

87 33.3 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: 16.369 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

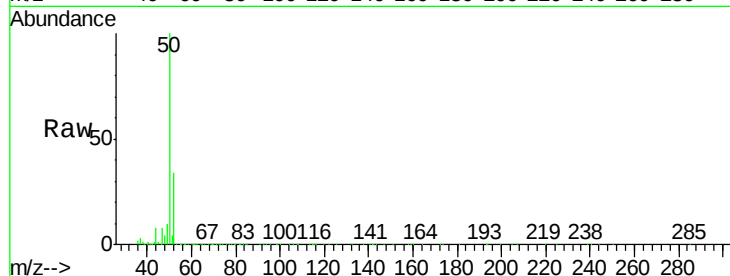
VX0104WBSD01

Tot Ion: 50 Resp: 82007

Ion Ratio Lower Upper

50 100

52 33.4 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

80000

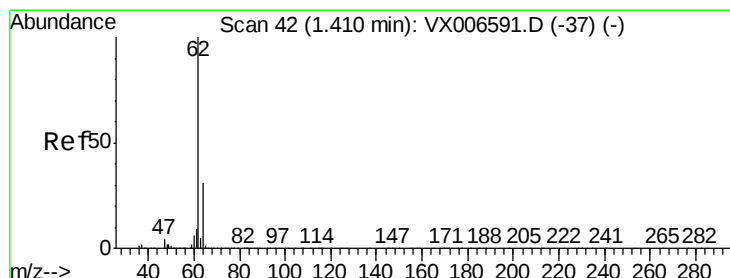
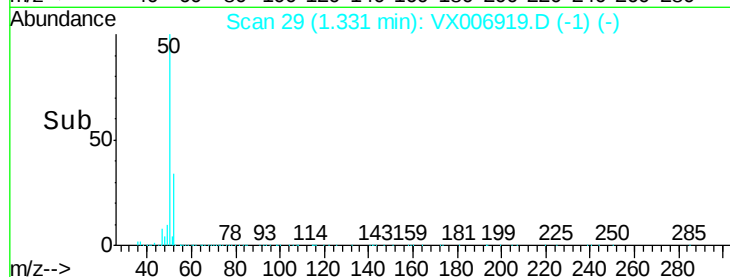
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 17.102 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006919.D

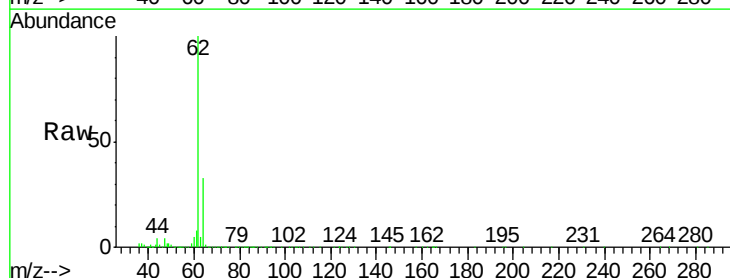
Acq: 04 Jan 2019 17:51

Tgt Ion: 62 Resp: 89484

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

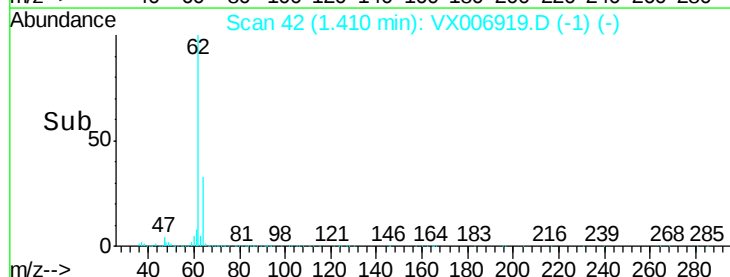
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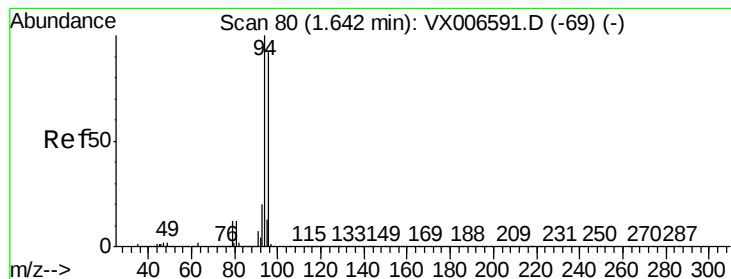
40000

20000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 17.138 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

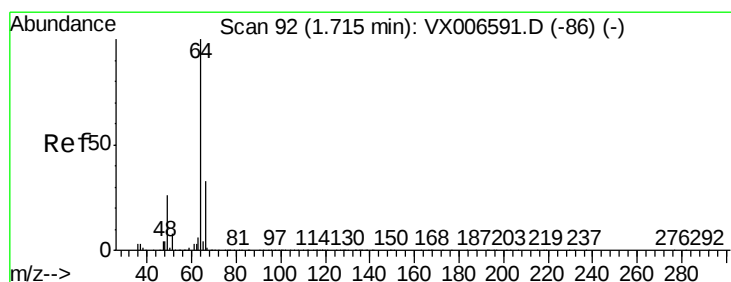
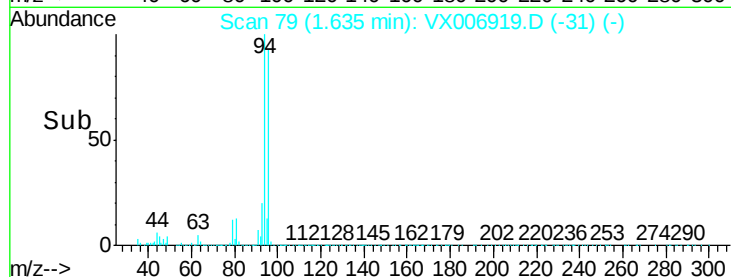
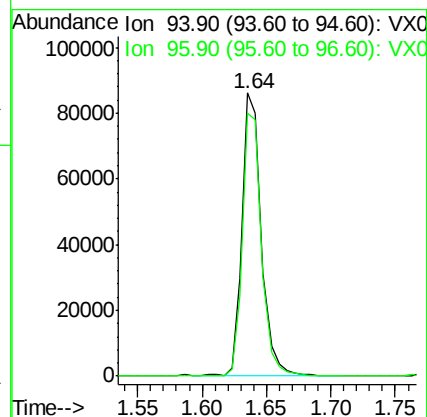
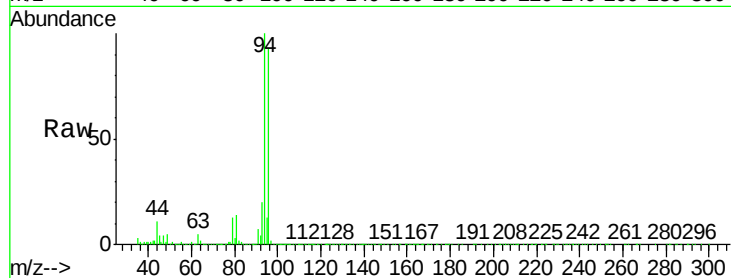
VX0104WBSD01

Tot Ion: 94 Resp: 89833

Ion Ratio Lower Upper

94 100

96 93.0 73.4 110.2



#6

Chloroethane

Concen: 16.451 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006919.D

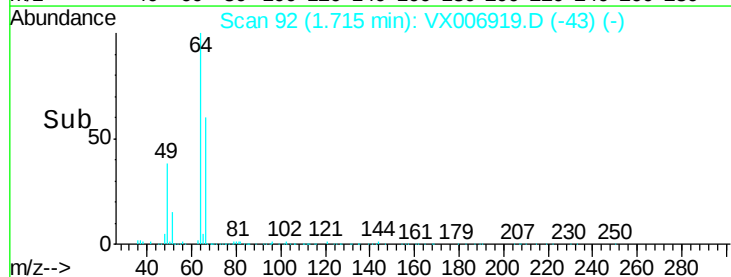
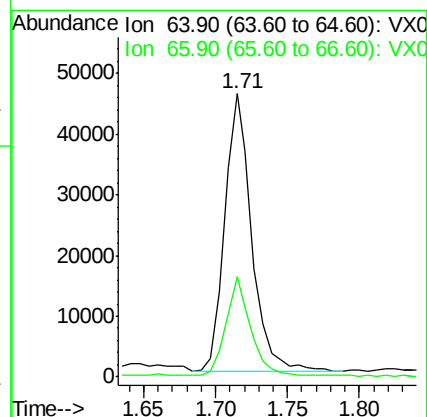
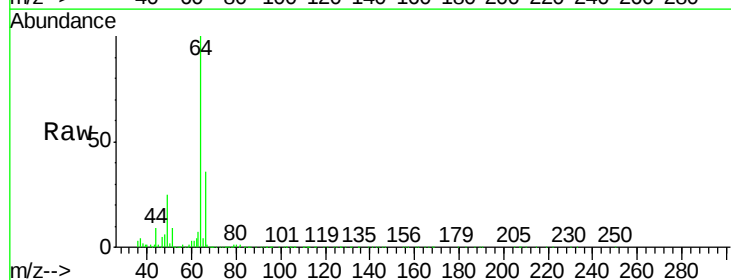
Acq: 04 Jan 2019 17:51

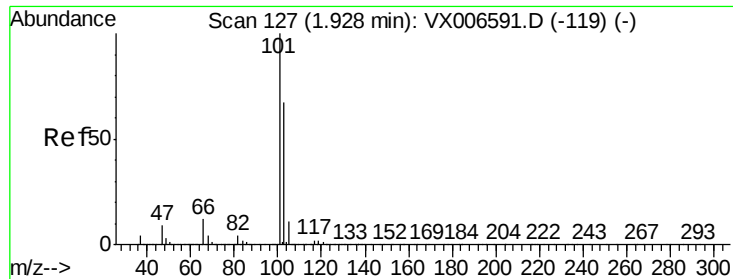
Tgt Ion: 64 Resp: 59603

Ion Ratio Lower Upper

64 100

66 35.9 26.4 39.6



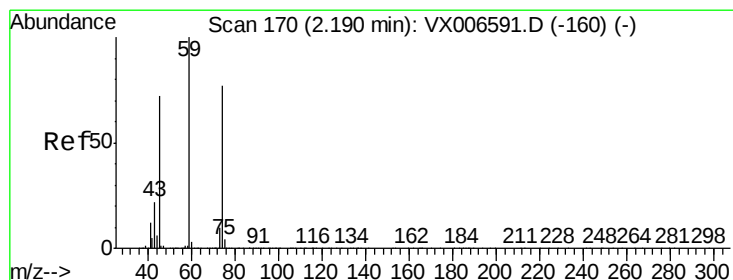
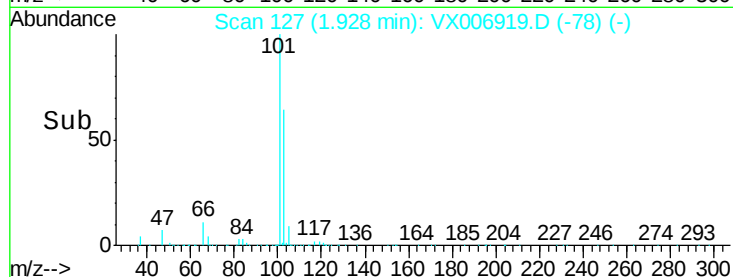
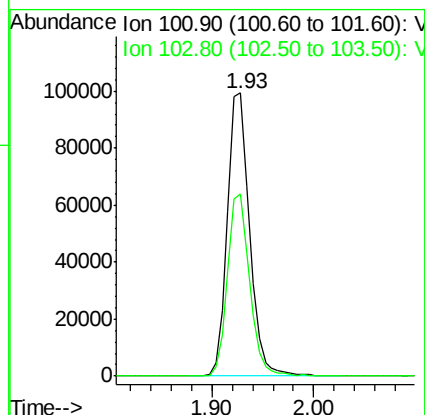
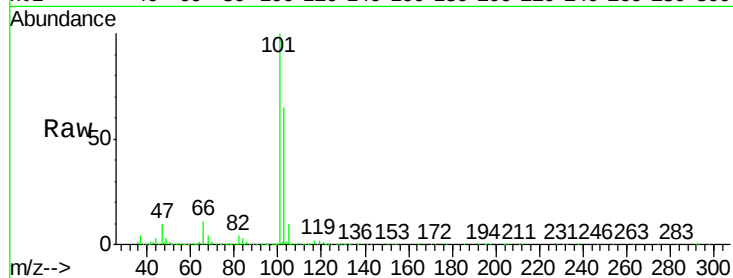


#7

Trichlorofluoromethane
 Concen: 18.457 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBSD01

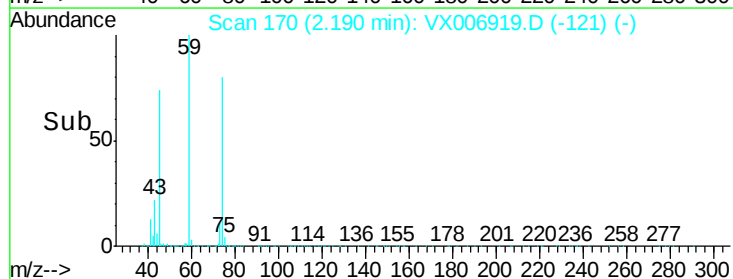
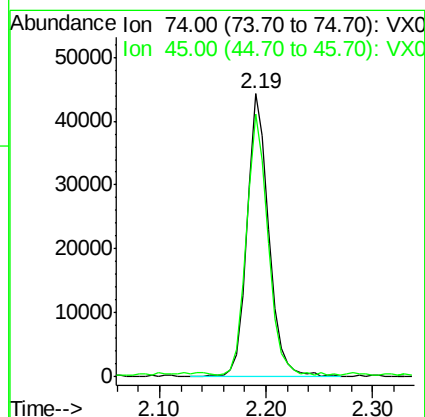
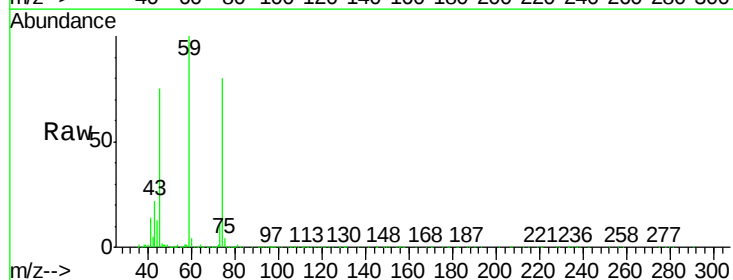
Tot Ion:101 Resp: 150564
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.2 79.8

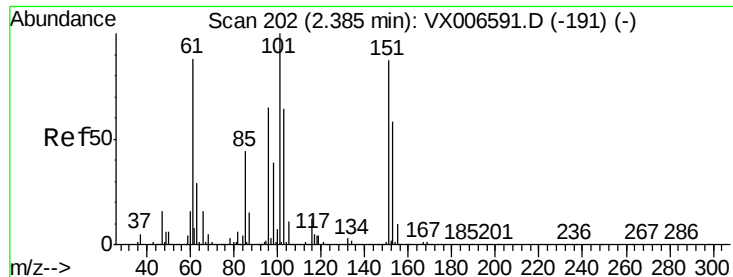


#8

Diethyl Ether
 Concen: 19.452 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

Tgt Ion: 74 Resp: 63029
 Ion Ratio Lower Upper
 74 100
 45 93.0 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.953 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

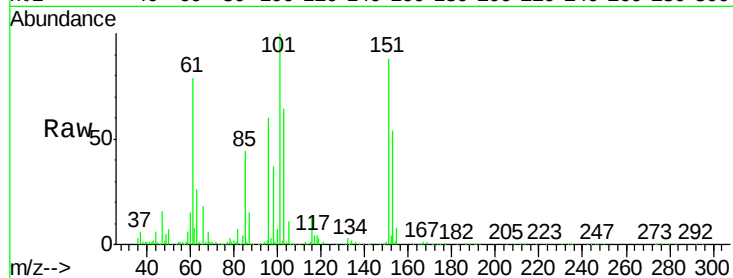
Tot Ion:101 Resp: 90783

Ion Ratio Lower Upper

101 100

85 43.4 35.1 52.7

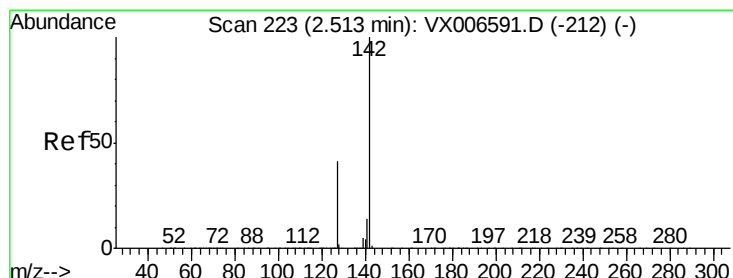
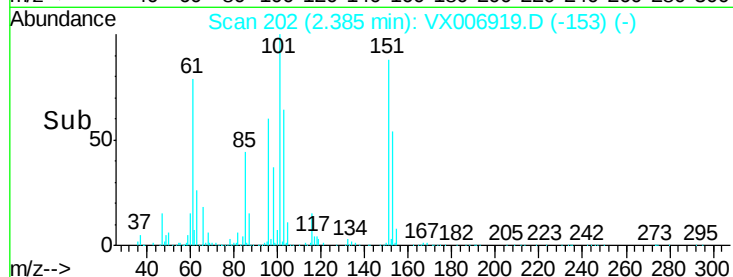
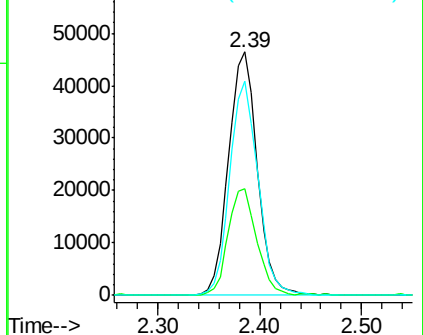
151 86.1 68.9 103.3



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: 15.952 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

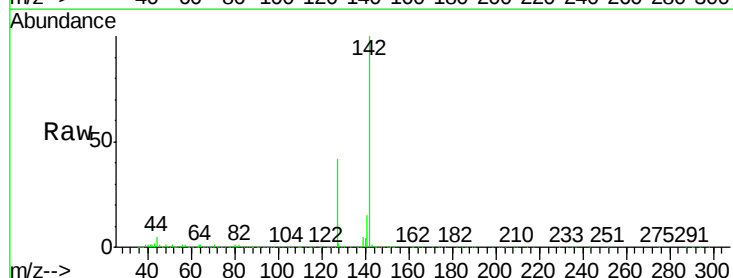
Tgt Ion:142 Resp: 109373

Ion Ratio Lower Upper

142 100

127 43.3 33.9 50.9

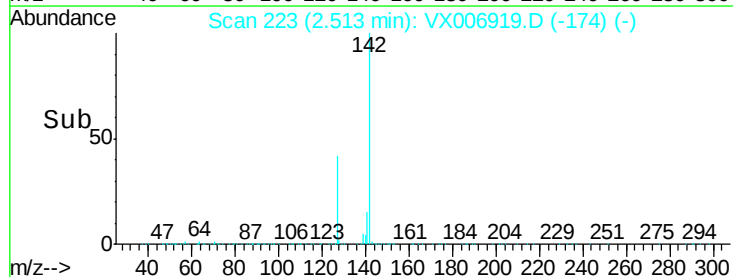
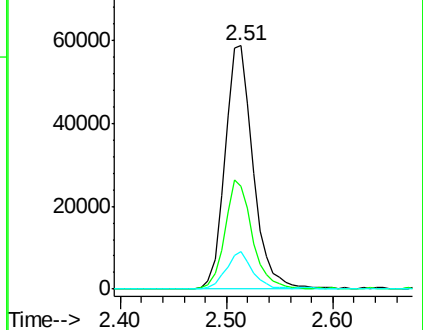
141 14.6 11.4 17.0

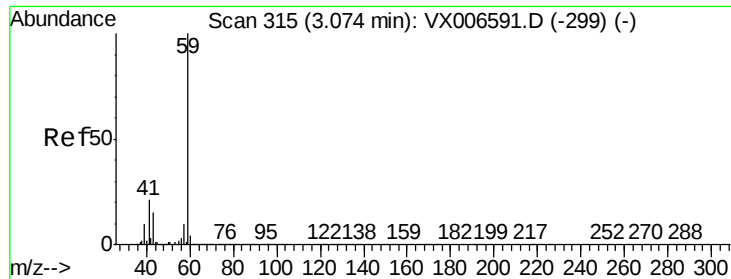


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



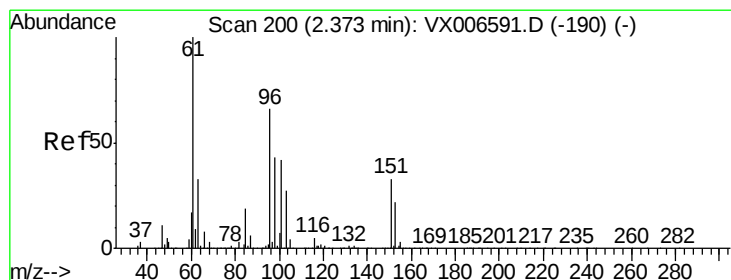
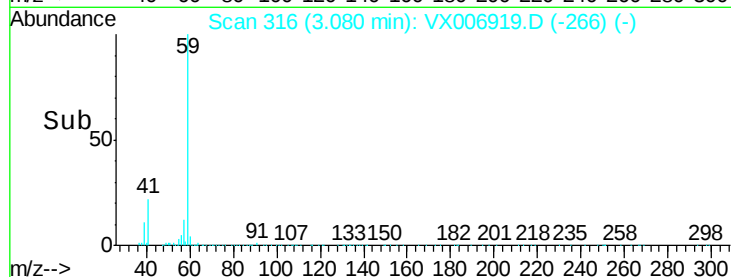
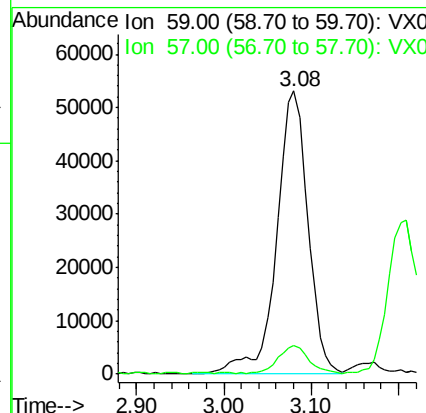
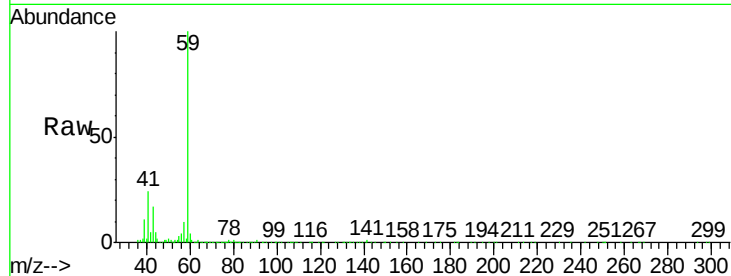


#11

Tert butyl alcohol
Concen: 107.411 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

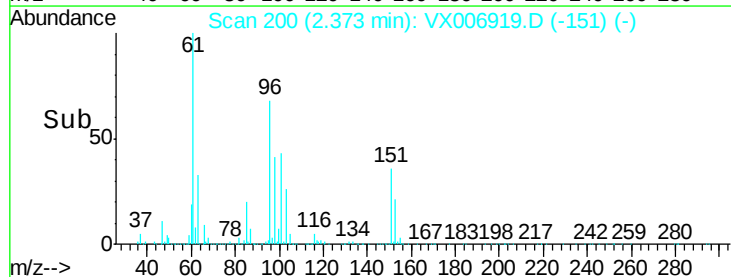
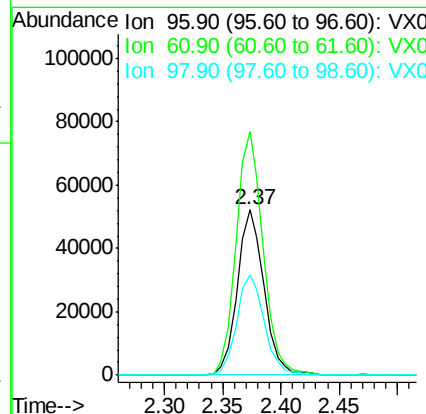
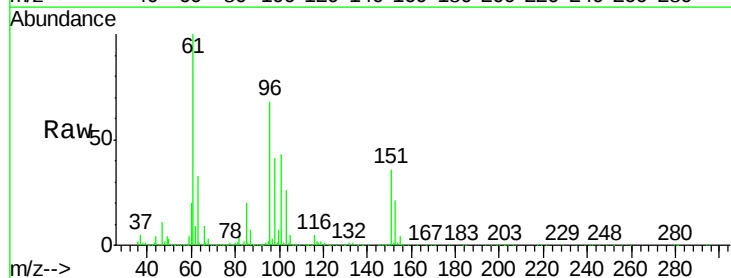
Tot Ion: 59 Resp: 131325
Ion Ratio Lower Upper
59 100
57 9.5 8.5 12.7

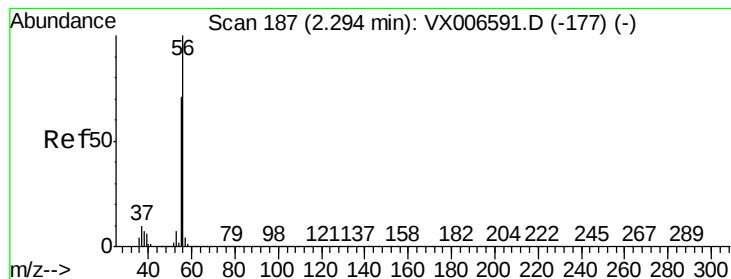


#12

1,1-Dichloroethene
Concen: 18.283 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion: 96 Resp: 83034
Ion Ratio Lower Upper
96 100
61 147.4 121.4 182.2
98 60.7 51.9 77.9





#13

Acrolein

Concen: 88.425 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

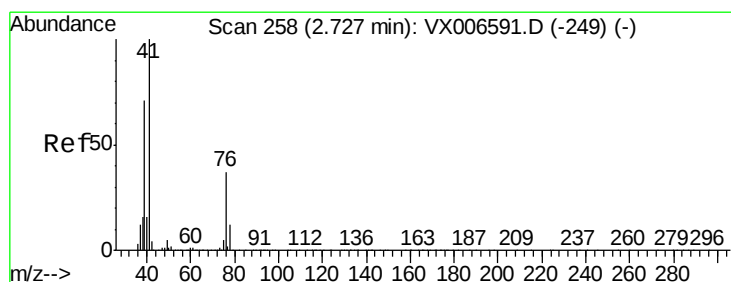
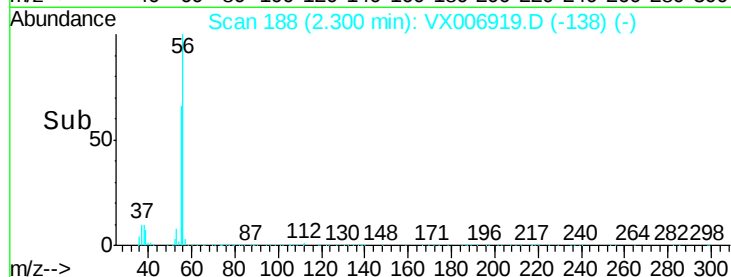
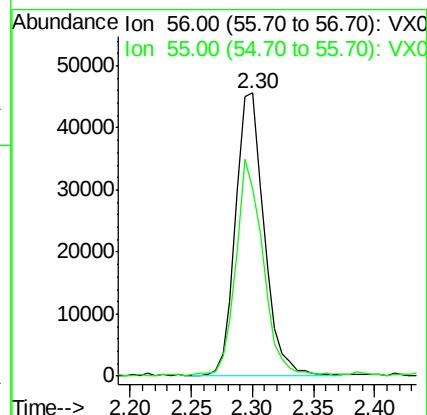
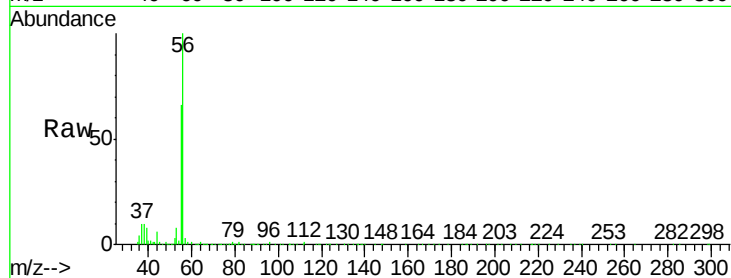
VX0104WBSD01

Tot Ion: 56 Resp: 72933

Ion Ratio Lower Upper

56 100

55 72.7 58.2 87.4



#14

Allyl chloride

Concen: 19.024 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

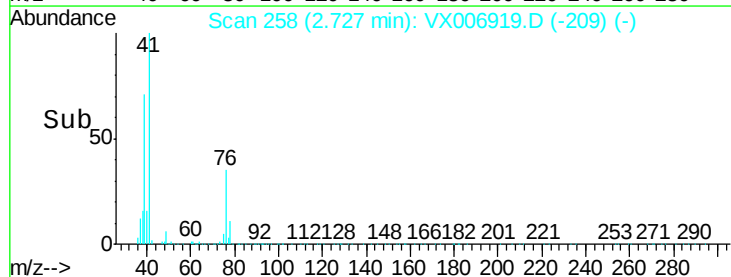
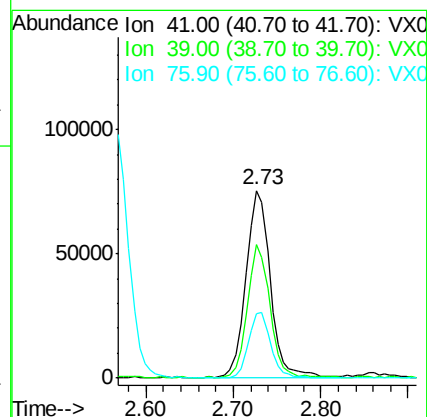
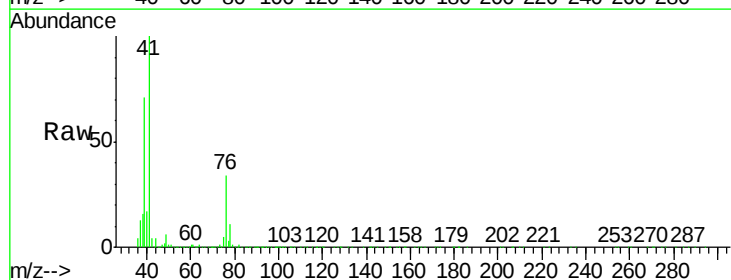
Tgt Ion: 41 Resp: 145436

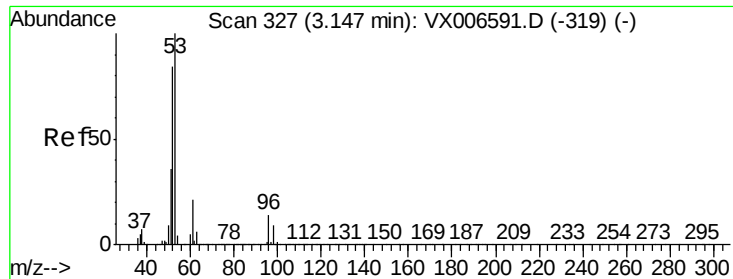
Ion Ratio Lower Upper

41 100

39 64.8 53.6 80.4

76 31.9 27.4 41.2





#15

Acrylonitrile

Concen: 104.894 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

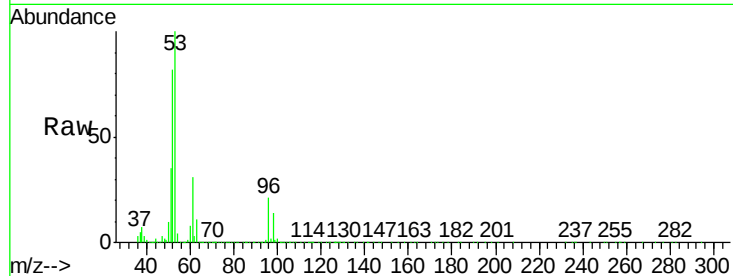
Tot Ion: 53 Resp: 284751

Ion Ratio Lower Upper

53 100

52 83.9 66.0 99.0

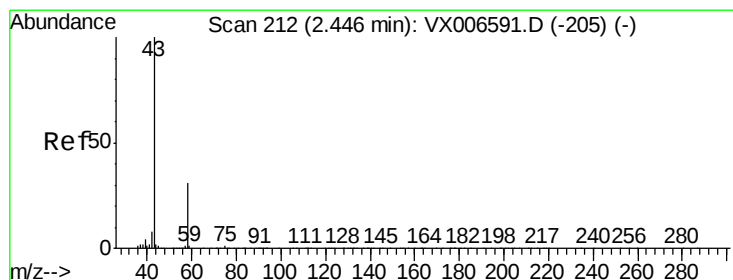
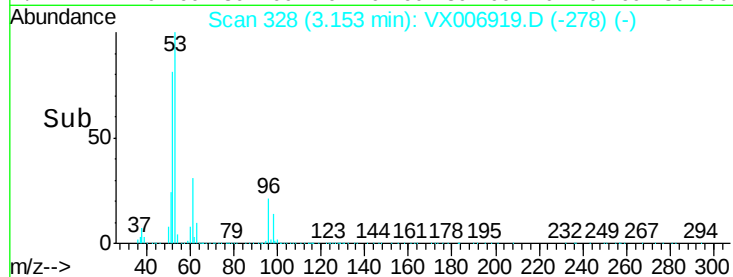
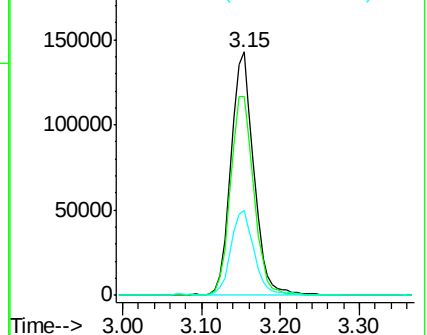
51 35.8 28.6 42.8



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: 95.670 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006919.D

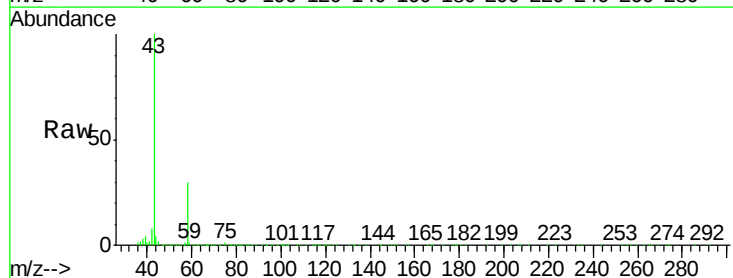
Acq: 04 Jan 2019 17:51

Tgt Ion: 43 Resp: 240798

Ion Ratio Lower Upper

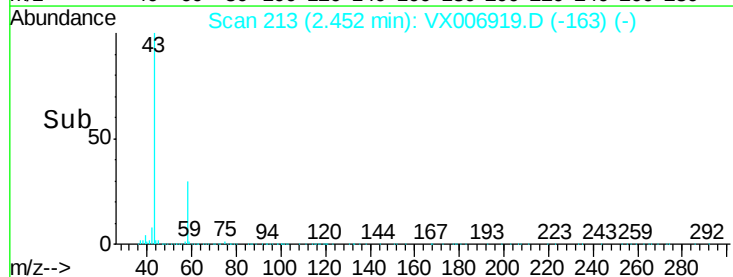
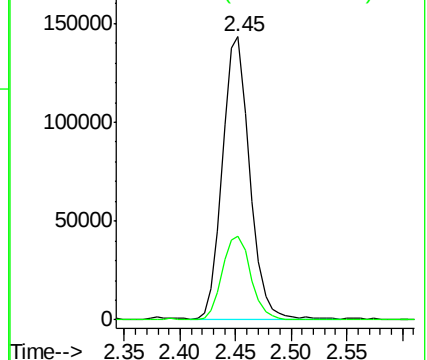
43 100

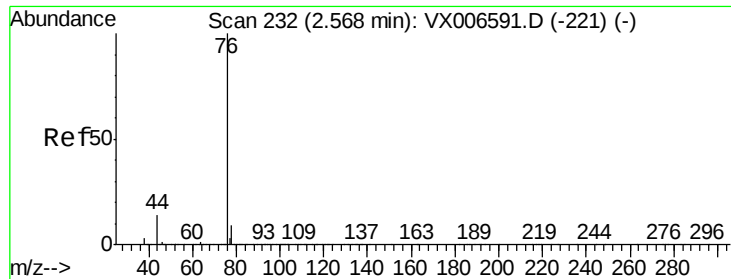
58 29.7 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 13.150 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

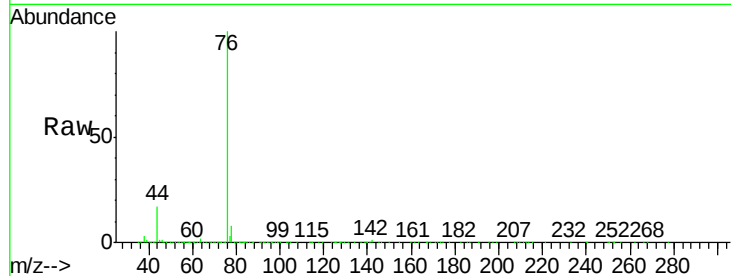
VX0104WBSD01

Tot Ion: 76 Resp: 158050

Ion Ratio Lower Upper

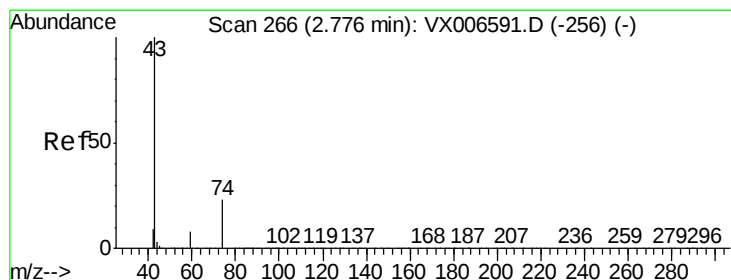
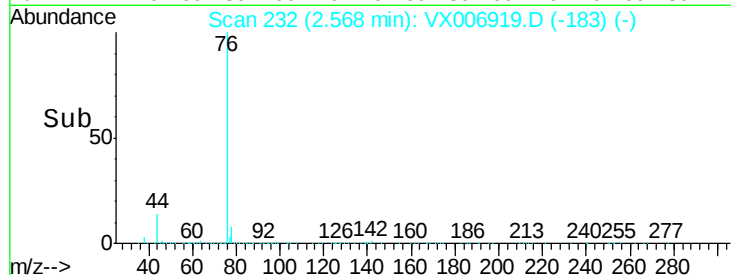
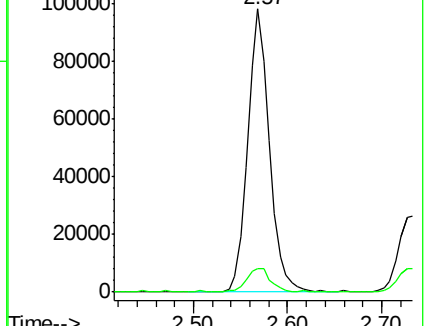
76 100

78 8.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 26.648 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006919.D

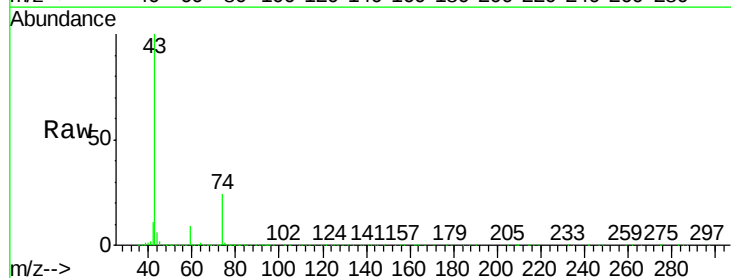
Acq: 04 Jan 2019 17:51

Tgt Ion: 43 Resp: 197221

Ion Ratio Lower Upper

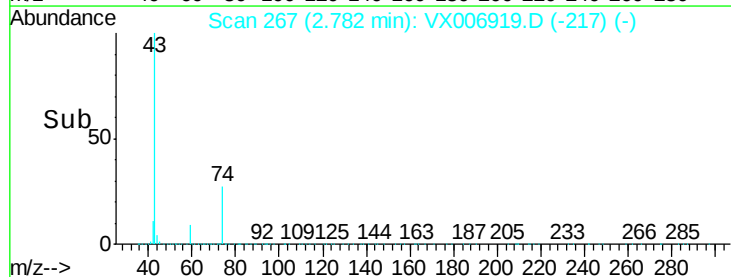
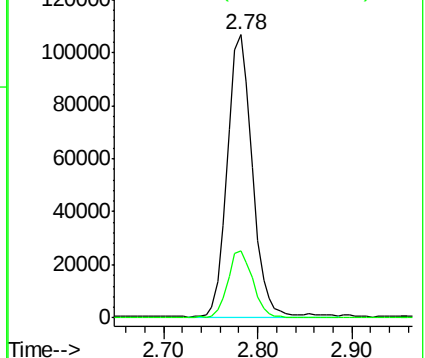
43 100

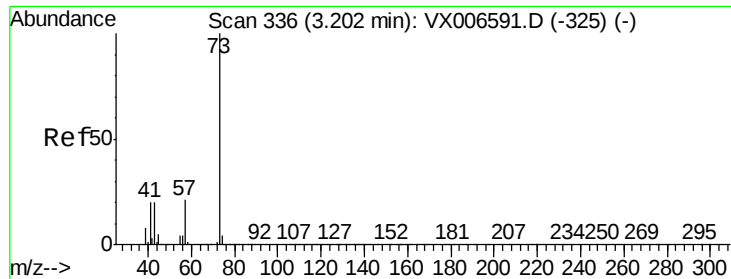
74 23.9 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



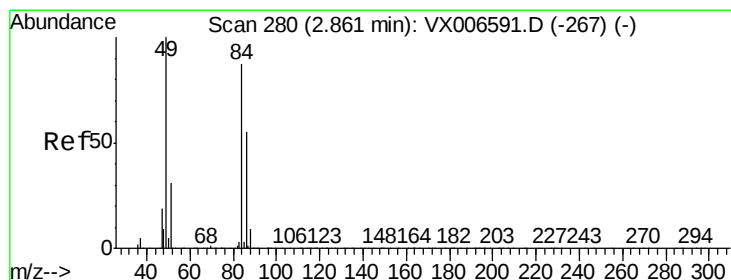
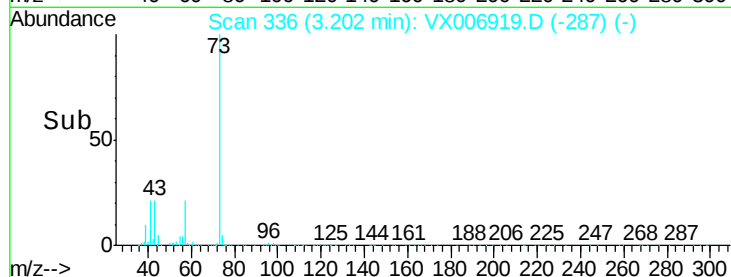
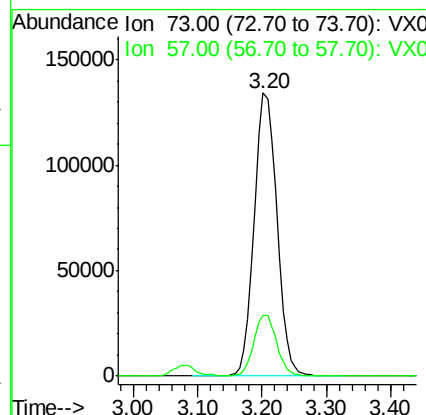
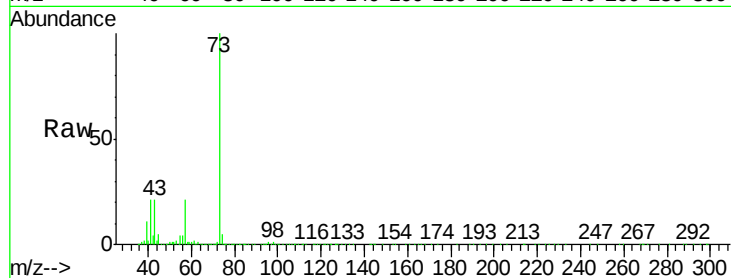


#19

Methyl tert-butyl Ether
 Concen: 21.416 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBSD01

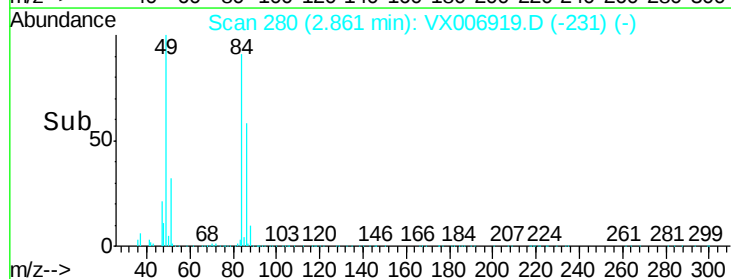
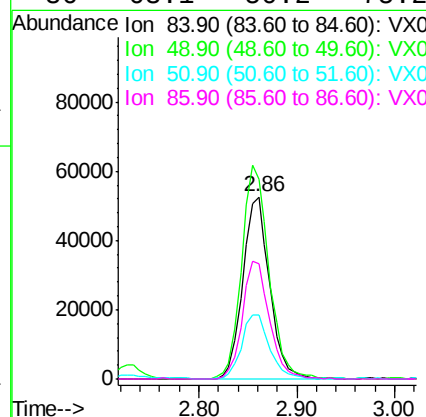
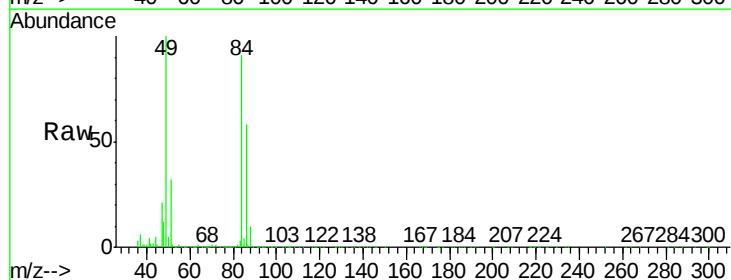
Tot Ion: 73 Resp: 322827
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.8 25.2



#20

Methylene Chloride
 Concen: 19.234 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

Tgt Ion: 84 Resp: 100105
 Ion Ratio Lower Upper
 84 100
 49 109.3 91.8 137.6
 51 34.9 28.5 42.7
 86 63.1 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 17.651 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

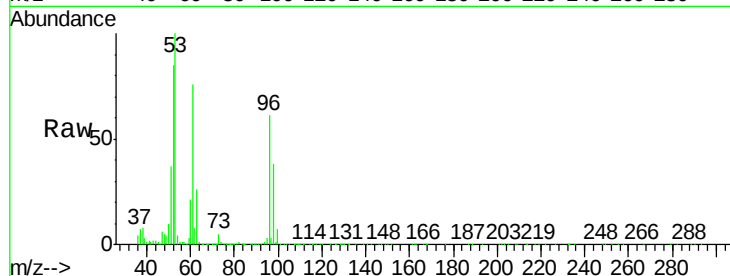
Tot Ion: 96 Resp: 88824

Ion Ratio Lower Upper

96 100

61 124.0 103.7 155.5

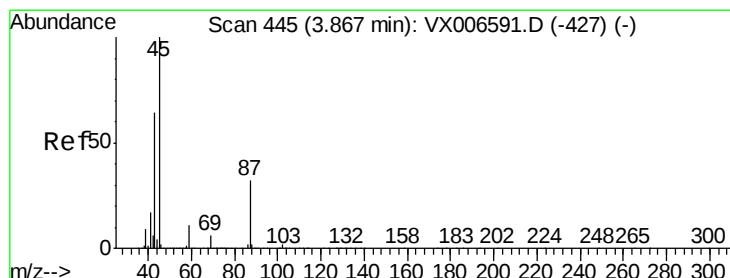
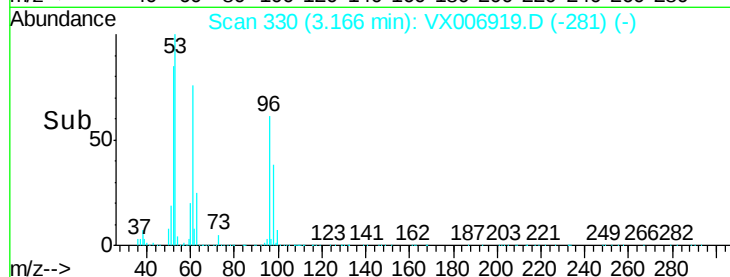
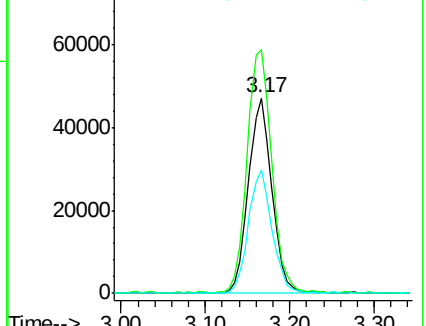
98 63.0 51.0 76.6



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: 21.024 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Tgt Ion: 45 Resp: 294029

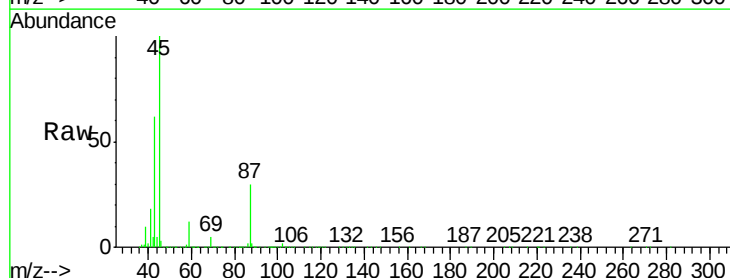
Ion Ratio Lower Upper

45 100

43 61.8 51.2 76.8

87 29.7 25.8 38.6

59 11.4 9.0 13.4

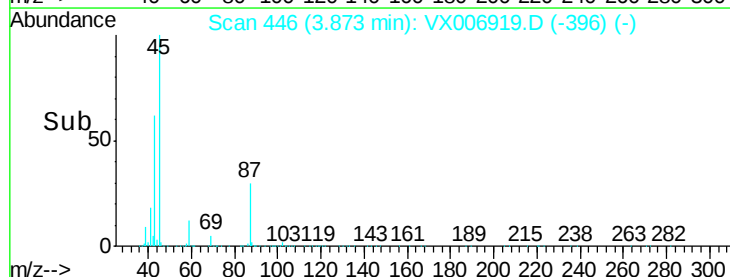
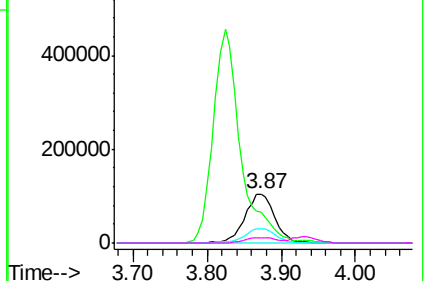


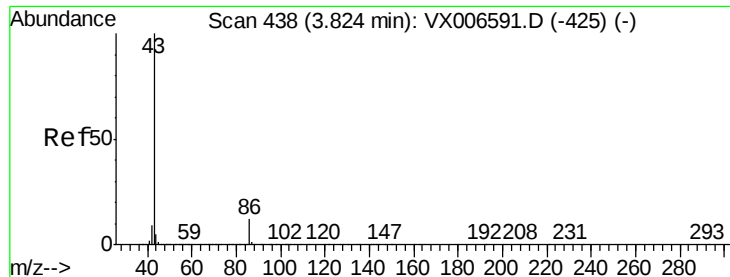
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 102.341 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleID :

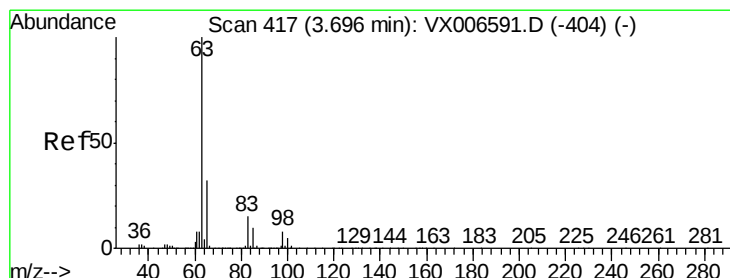
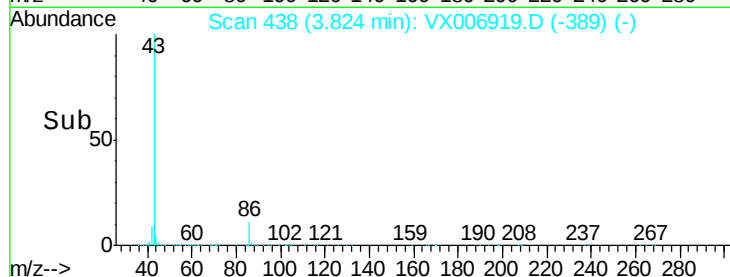
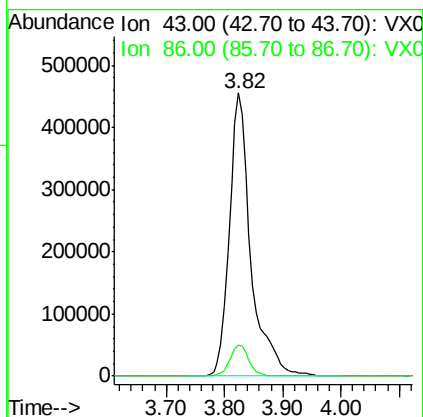
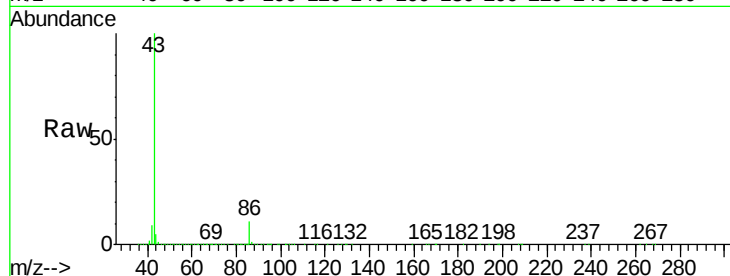
VX0104WBSD01

Tot Ion: 43 Resp: 1170754

Ion Ratio Lower Upper

43 100

86 11.2 9.2 13.8



#24

1,1-Dichloroethane

Concen: 18.901 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

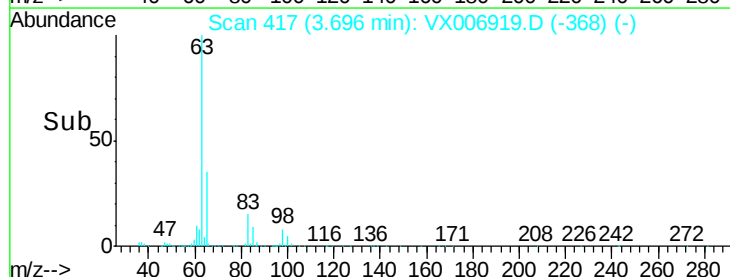
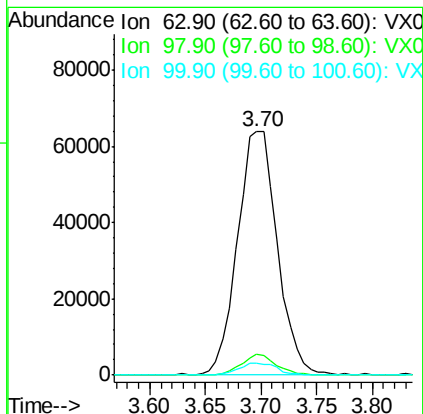
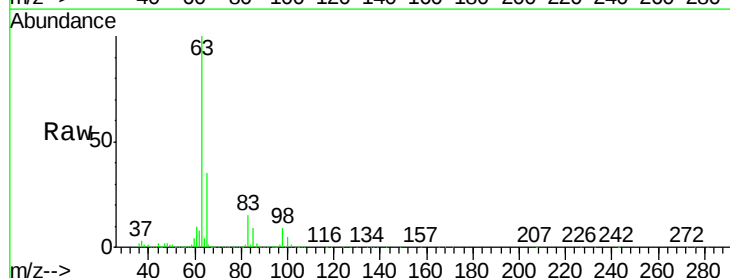
Tgt Ion: 63 Resp: 157802

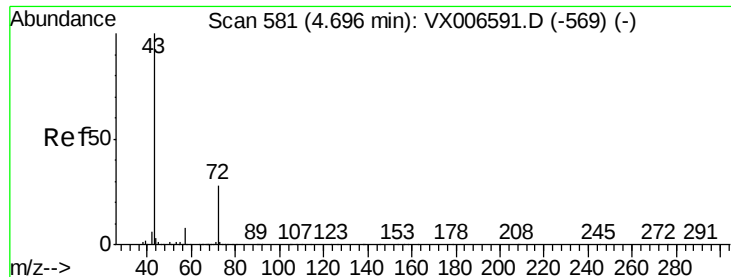
Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.5

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 101.883 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

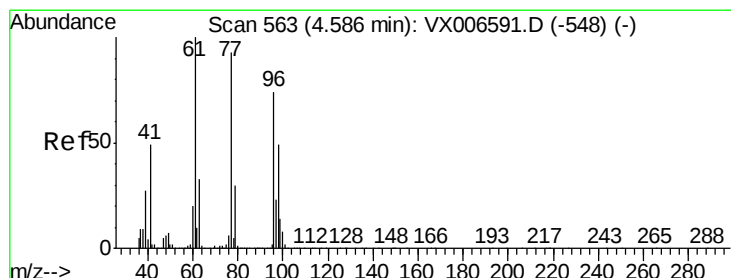
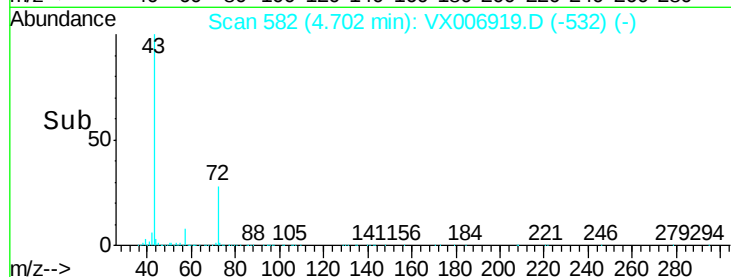
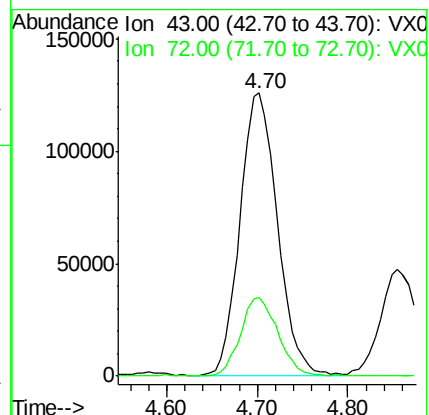
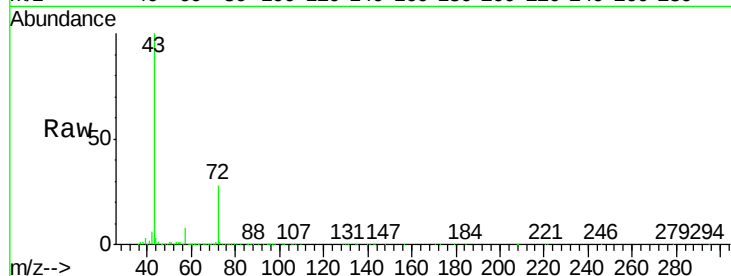
VX0104WBSD01

Tot Ion: 43 Resp: 360710

Ion Ratio Lower Upper

43 100

72 27.9 22.4 33.6



#26

2,2-Dichloropropane

Concen: 16.831 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006919.D

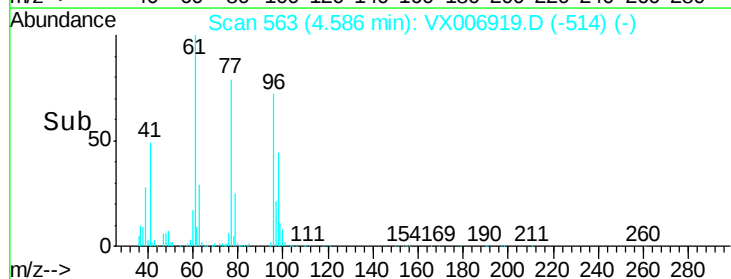
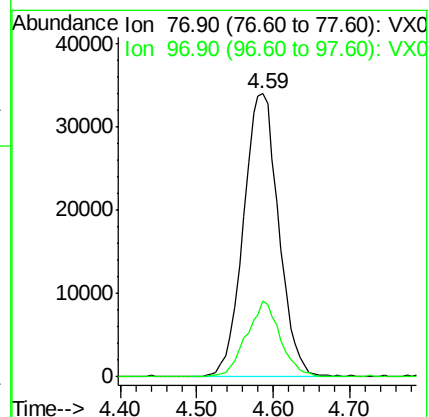
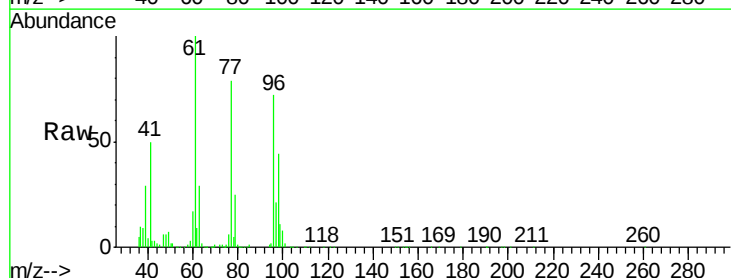
Acq: 04 Jan 2019 17:51

Tgt Ion: 77 Resp: 108547

Ion Ratio Lower Upper

77 100

97 25.9 12.4 37.4



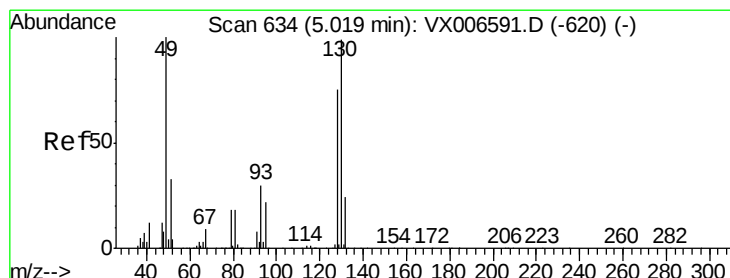
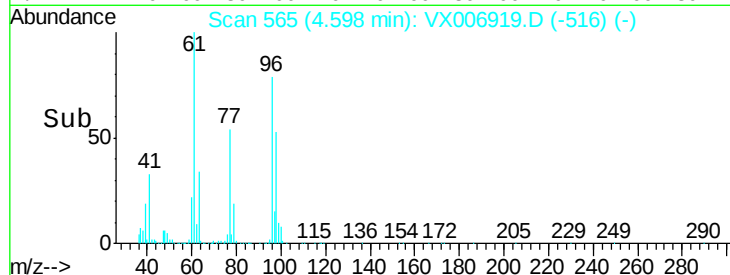
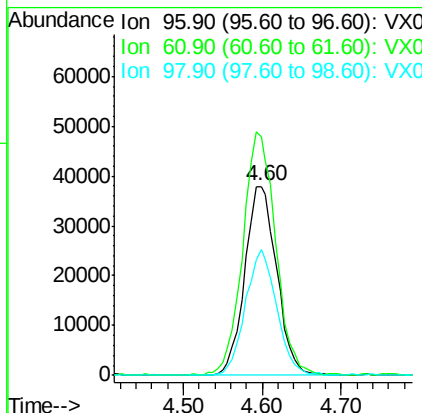
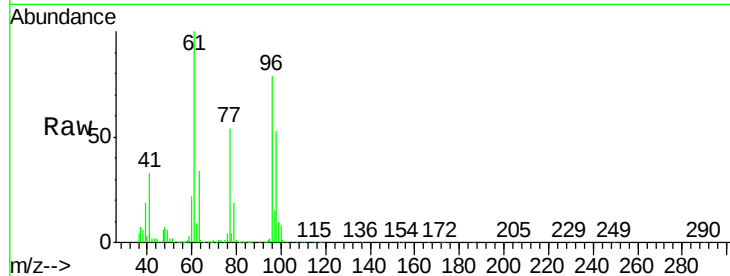


#27

cis-1,2-Dichloroethene
Concen: 19.262 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

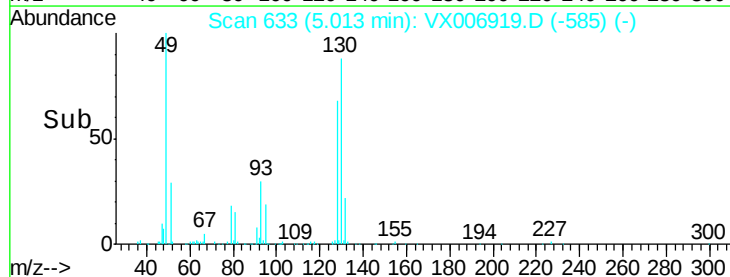
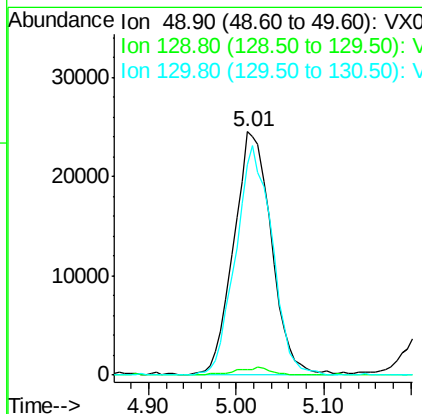
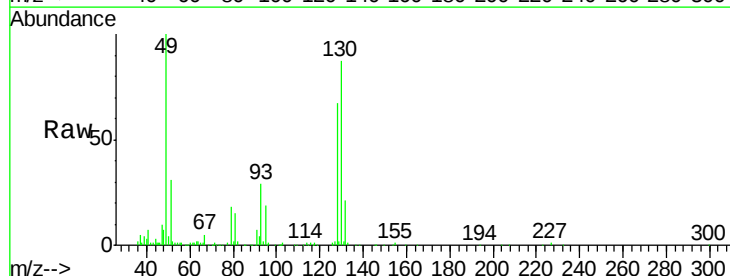
Tot Ion: 96 Resp: 106942
Ion Ratio Lower Upper
96 100
61 131.7 0.0 258.6
98 64.8 0.0 132.0

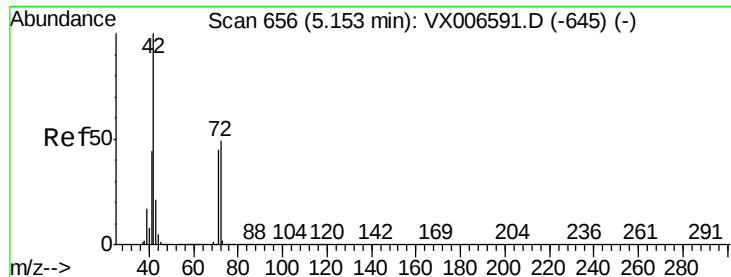


#28

Bromochloromethane
Concen: 19.844 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion: 49 Resp: 73772
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.4
130 90.8 77.7 116.5

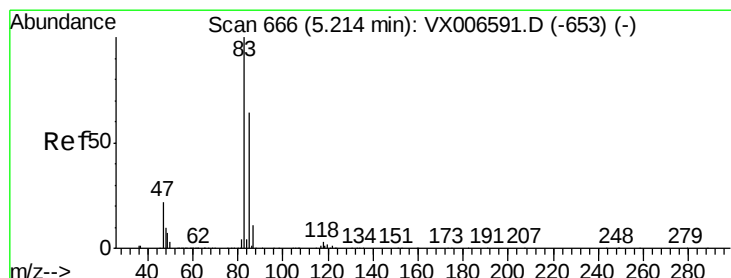
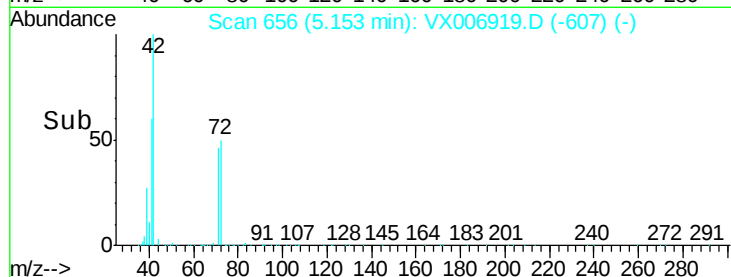
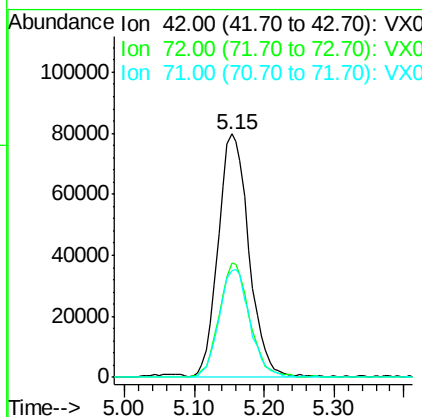
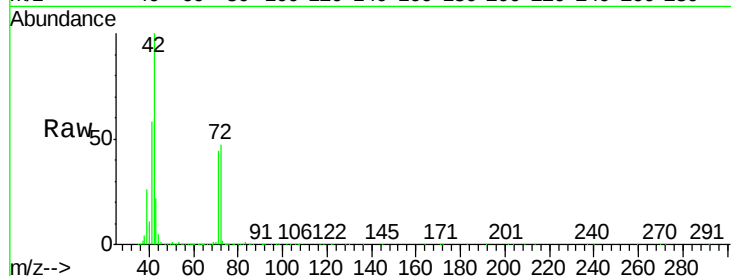




#29
Tetrahydrofuran
Concen: 103.891 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

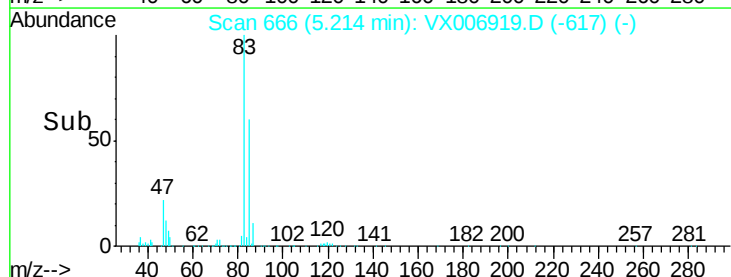
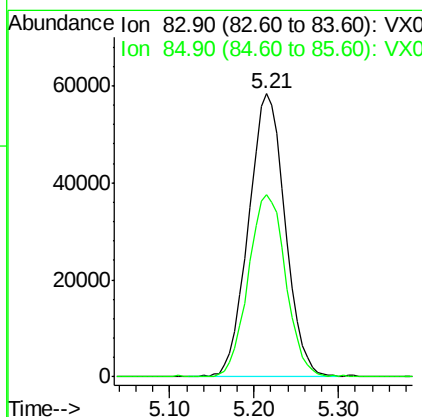
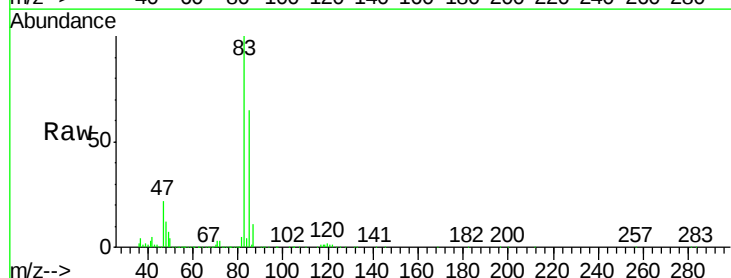
Instrument :
MSVOA_X
ClientSampled :
VX0104WBSD01

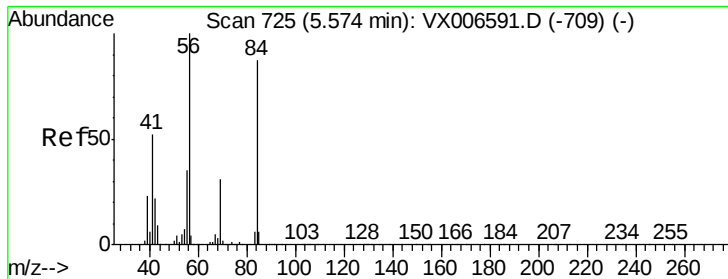
Tot Ion: 42 Resp: 242258
Ion Ratio Lower Upper
42 100
72 46.0 38.9 58.3
71 44.4 36.2 54.4



#30
Chloroform
Concen: 20.018 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion: 83 Resp: 173067
Ion Ratio Lower Upper
83 100
85 64.4 51.2 76.8





#31

Cyclohexane

Concen: 16.641 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

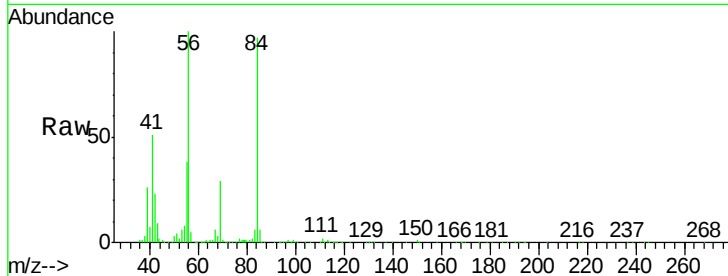
Tot Ion: 56 Resp: 126219

Ion Ratio Lower Upper

56 100

69 29.1 24.4 36.6

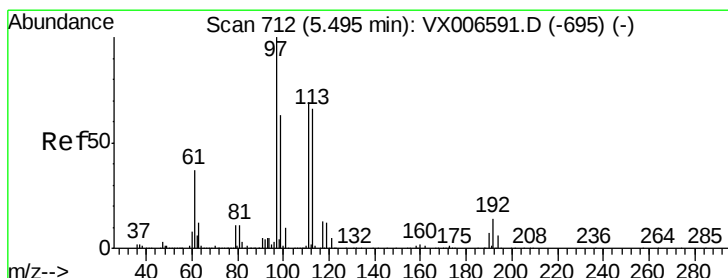
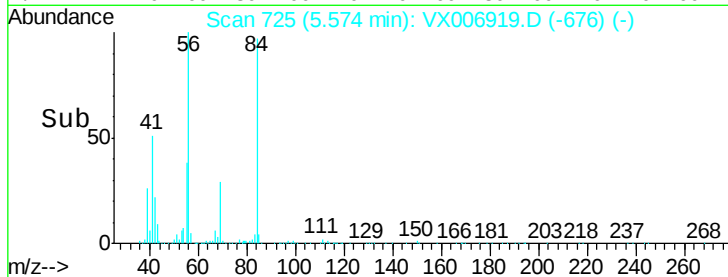
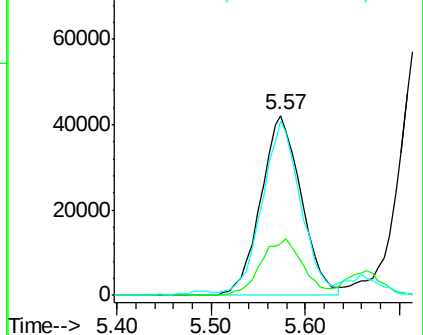
84 96.1 70.0 105.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.878 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

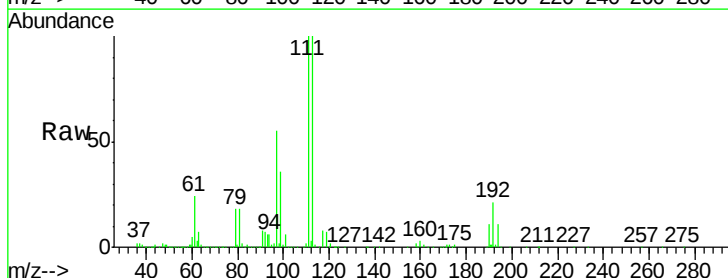
Tgt Ion: 97 Resp: 137812

Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

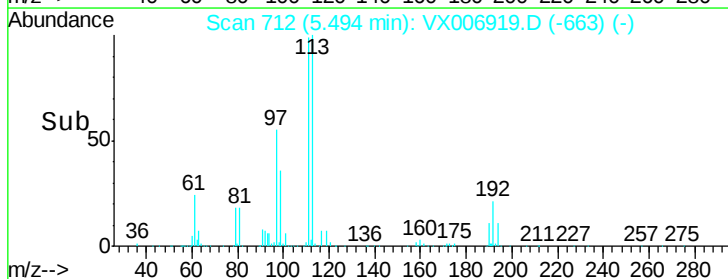
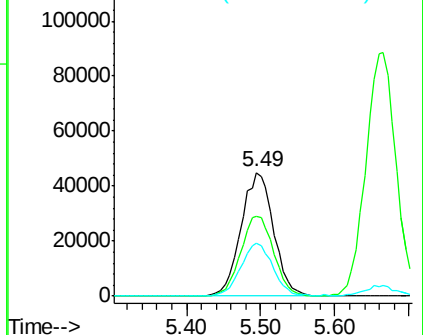
61 41.8 31.3 46.9

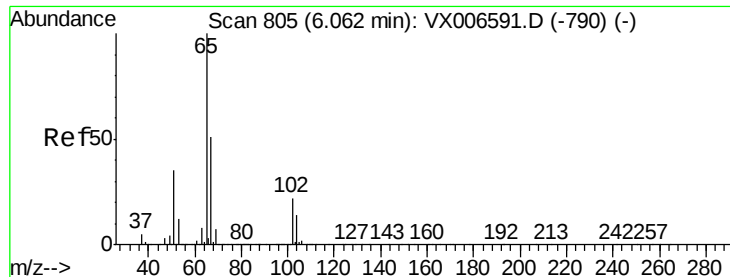


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.345 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

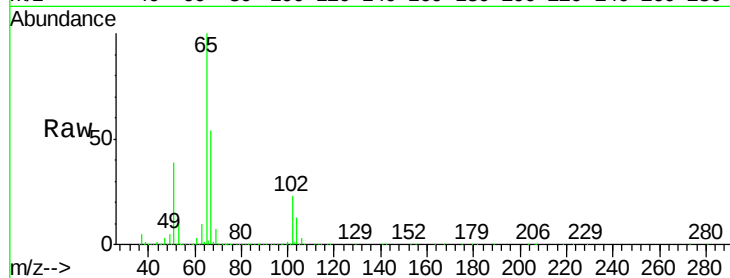
VX0104WBSD01

Tot Ion: 65 Resp: 270332

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

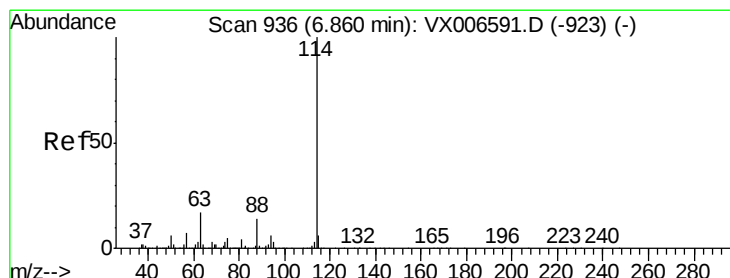
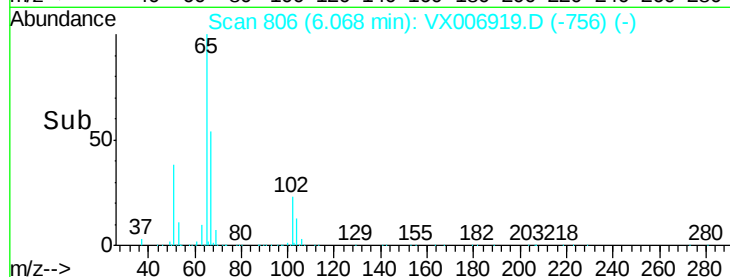
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

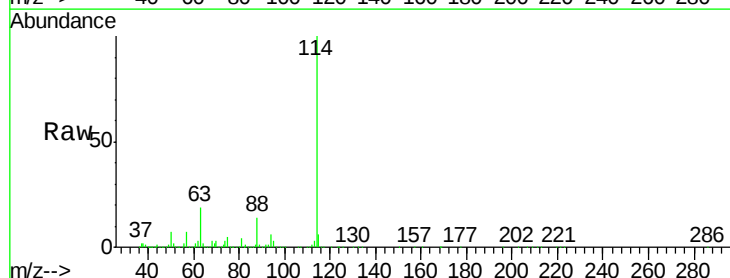
Tgt Ion: 114 Resp: 766109

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.8

88 14.3 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

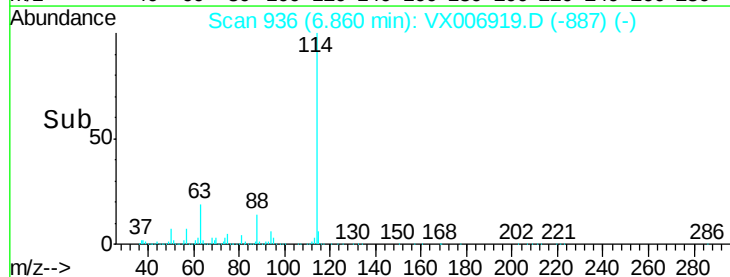
300000

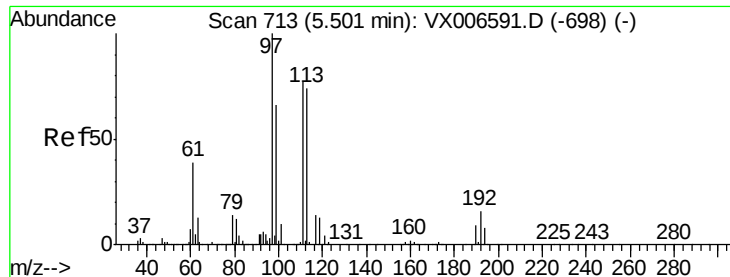
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.400 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

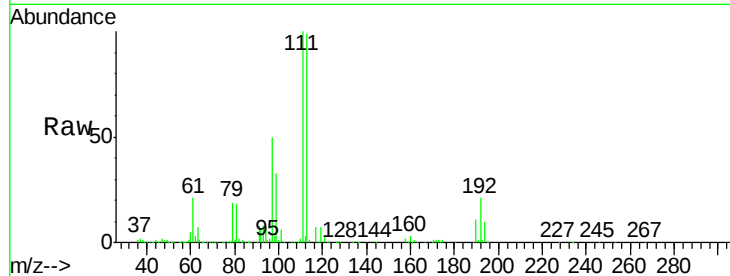
Tot Ion:113 Resp: 244176

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

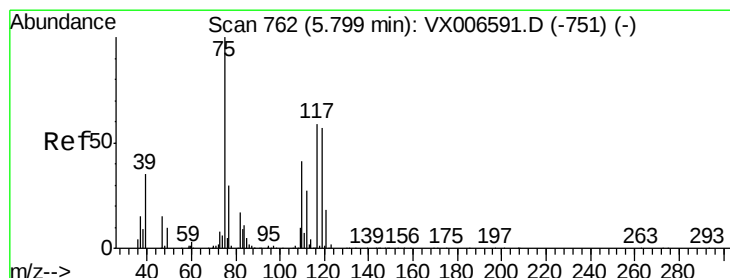
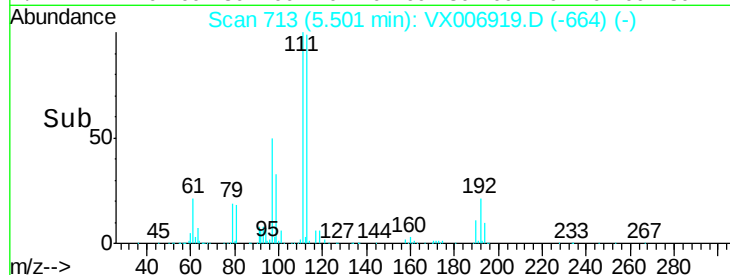
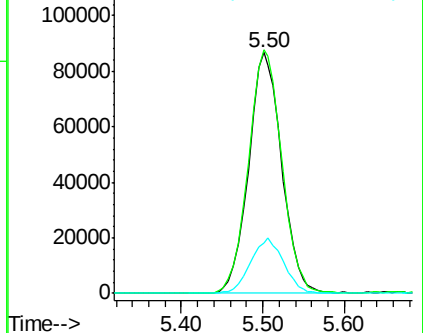
192 22.9 16.7 25.1



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: 18.116 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

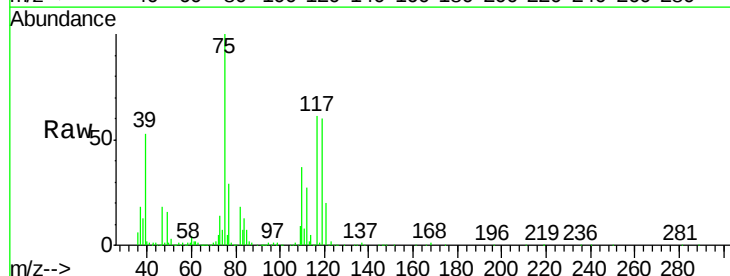
Tgt Ion: 75 Resp: 114948

Ion Ratio Lower Upper

75 100

110 39.7 20.2 60.5

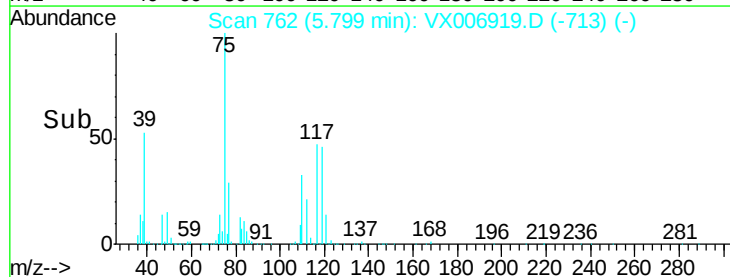
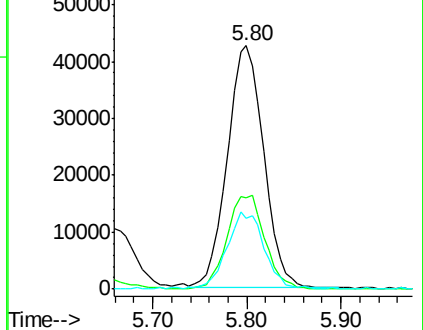
77 31.9 24.8 37.2

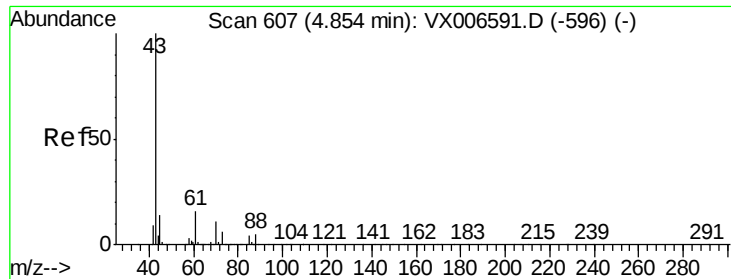


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

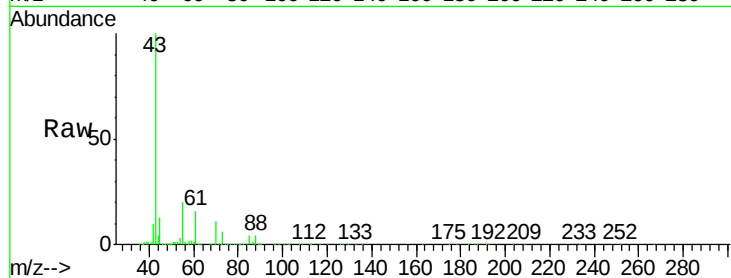




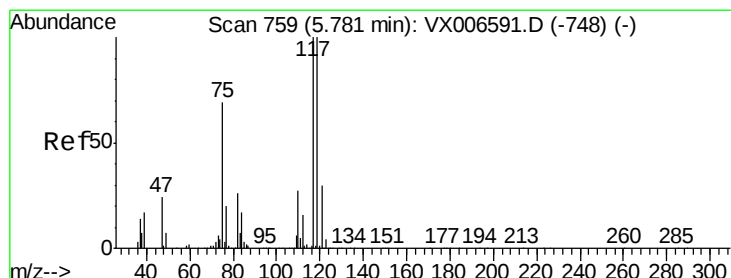
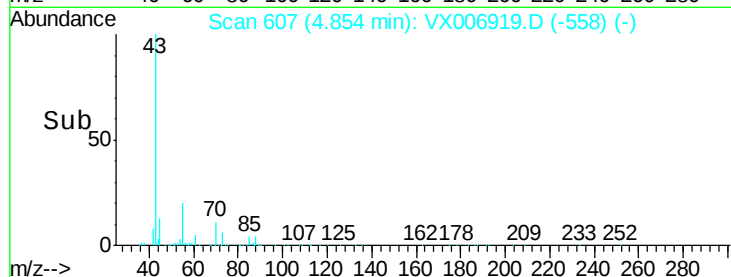
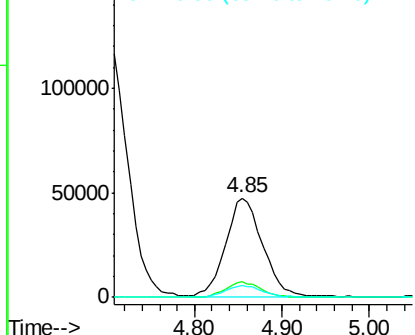
#37
Ethyl Acetate
Concen: 20.886 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

Tot Ion: 43 Resp: 137932
Ion Ratio Lower Upper
43 100
61 15.4 11.9 17.9
70 11.9 9.7 14.5

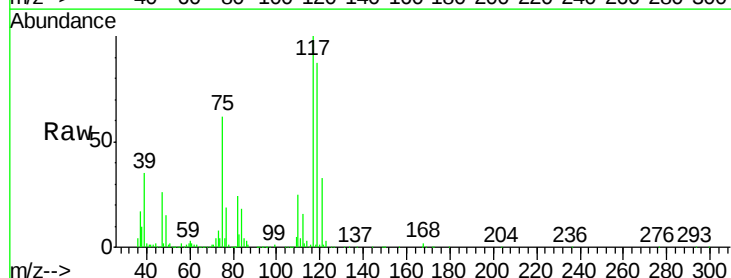


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

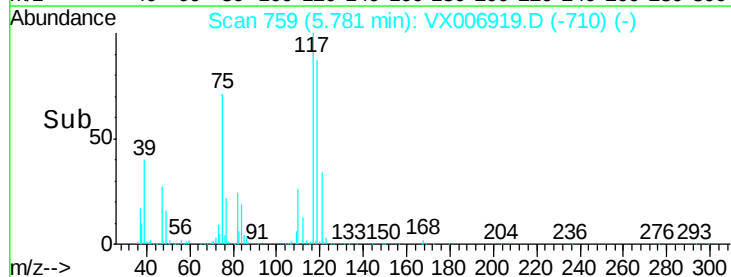
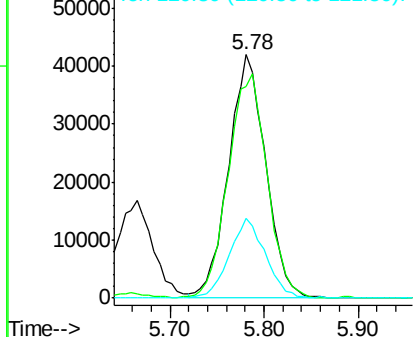


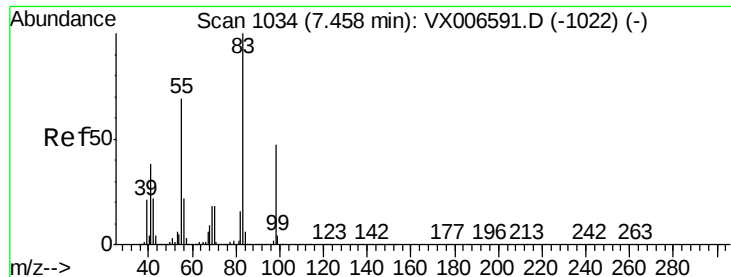
#38
Carbon Tetrachloride
Concen: 18.708 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion: 117 Resp: 115360
Ion Ratio Lower Upper
117 100
119 86.9 79.4 119.2
121 32.6 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

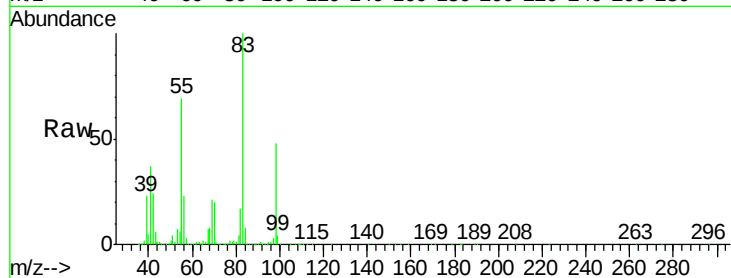




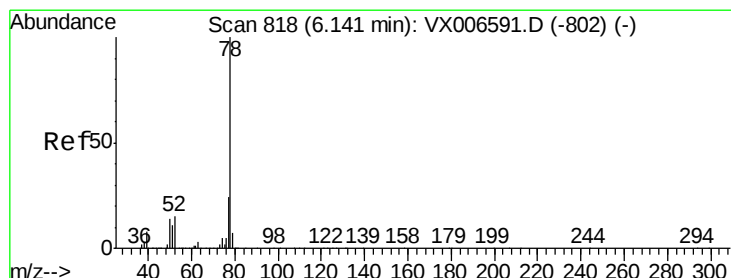
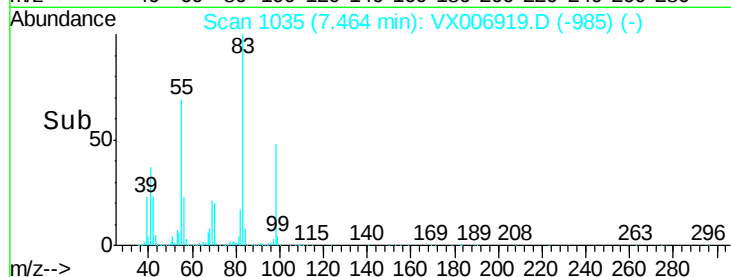
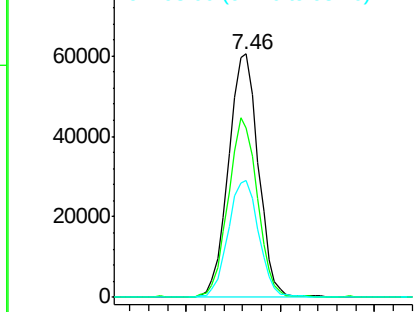
#39
Methylcyclohexane
Concen: 16.030 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

Tot Ion	83	Resp	133908
Ion Ratio	Lower	Upper	
83	100		
55	69.3	54.9	82.3
98	48.1	37.9	56.9

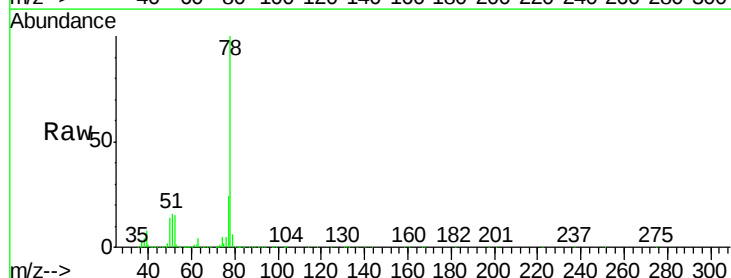


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

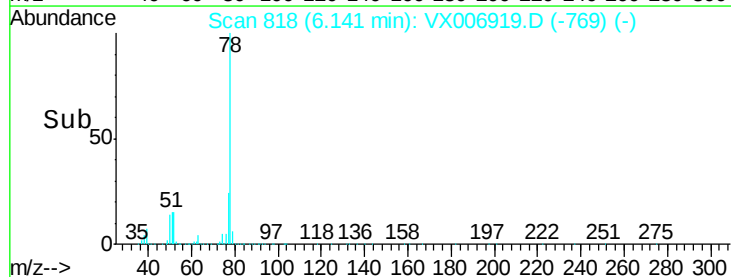
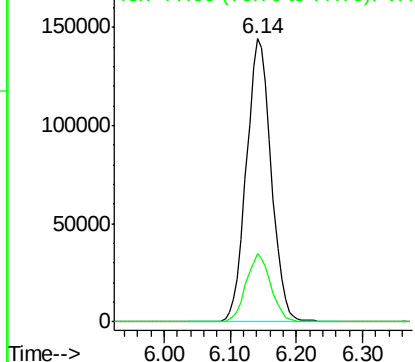


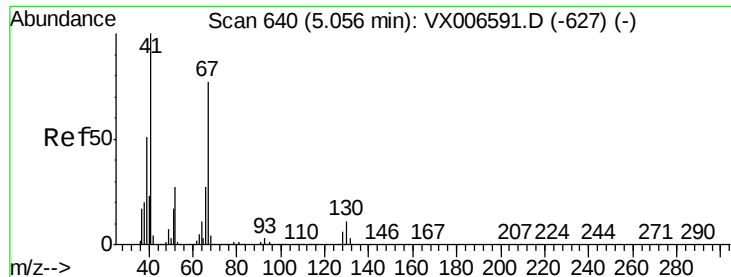
#40
Benzene
Concen: 19.564 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion	78	Resp	377325
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.2	28.8



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

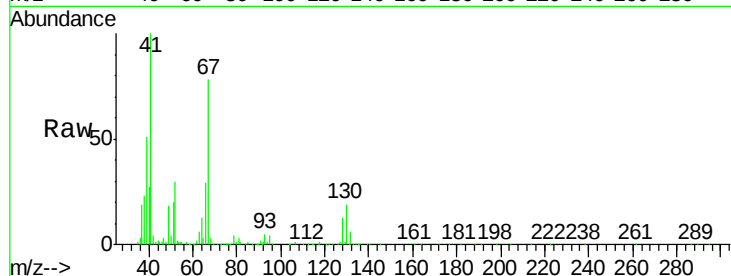




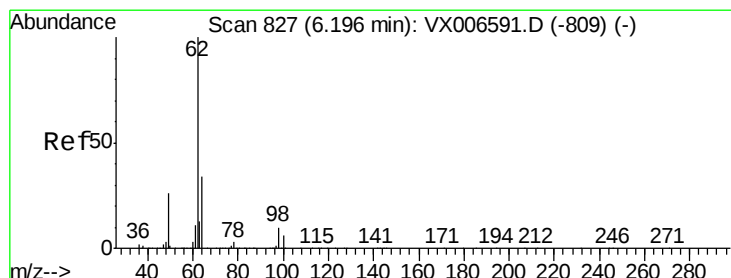
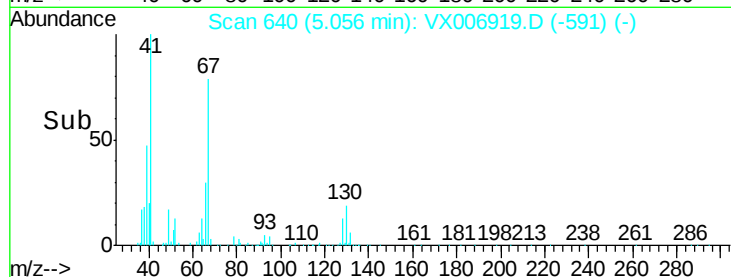
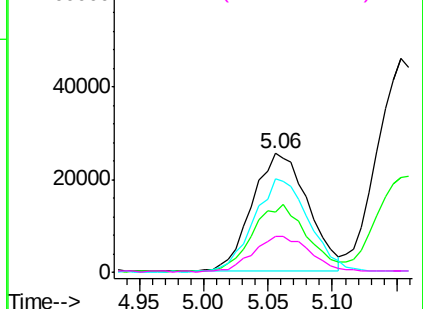
#41
Methacrylonitrile
Concen: 21.784 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

Tot Ion:	41	Resp:	76380
Ion	Ratio	Lower	Upper
41	100		
39	55.5	42.8	64.2
67	80.6	62.1	93.1
52	30.0	23.4	35.0

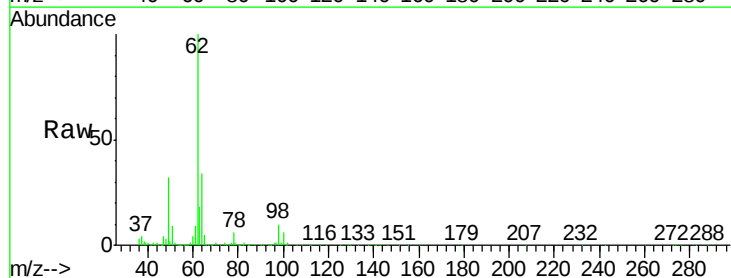


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

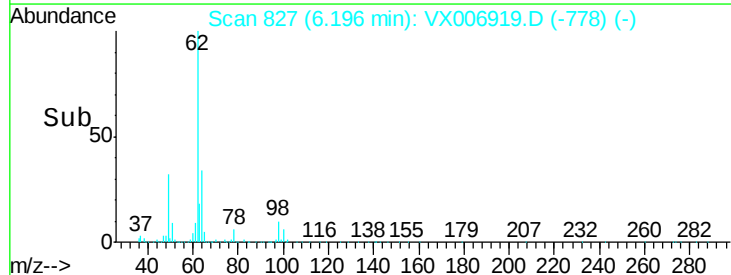
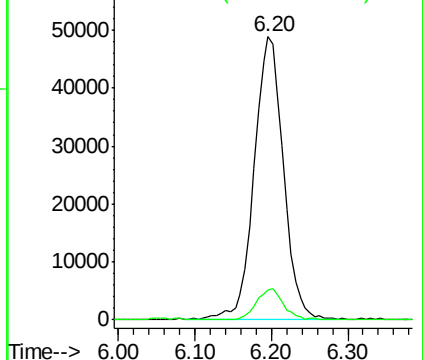


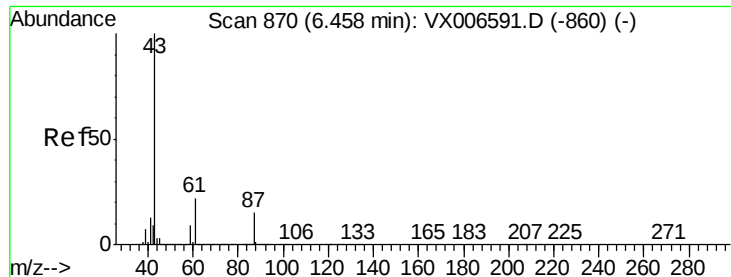
#42
1,2-Dichloroethane
Concen: 19.774 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion:	62	Resp:	129957
Ion	Ratio	Lower	Upper
62	100		
98	10.4	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: 21.356 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

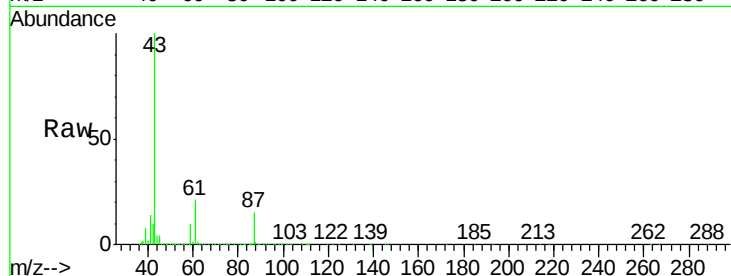
Tot Ion: 43 Resp: 214596

Ion Ratio Lower Upper

43 100

61 20.9 16.8 25.2

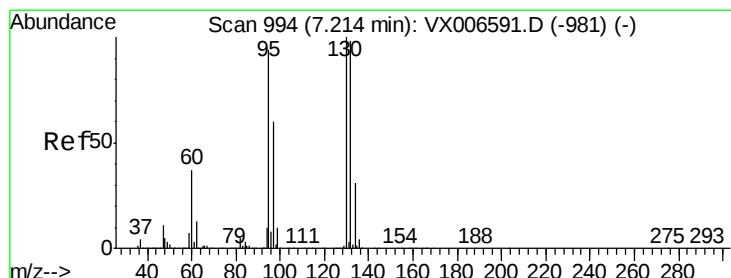
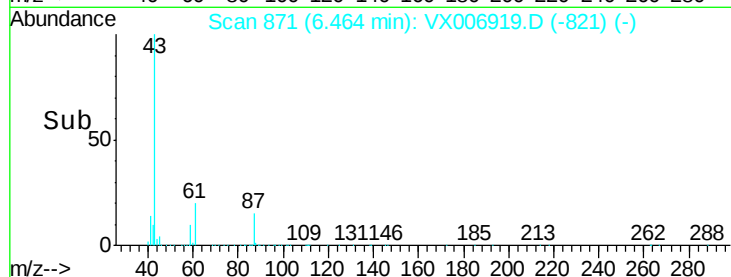
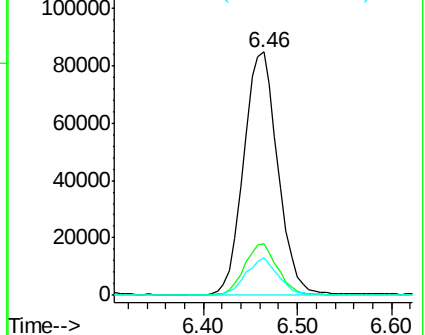
87 15.0 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.056 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006919.D

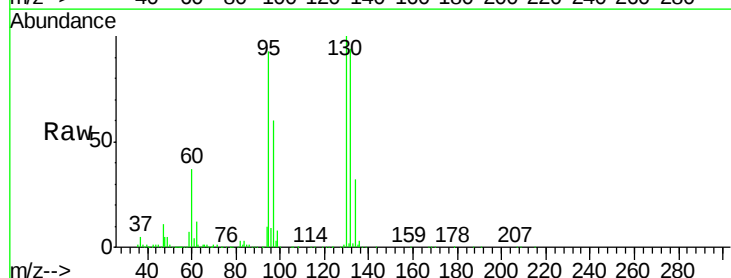
Acq: 04 Jan 2019 17:51

Tgt Ion: 130 Resp: 105403

Ion Ratio Lower Upper

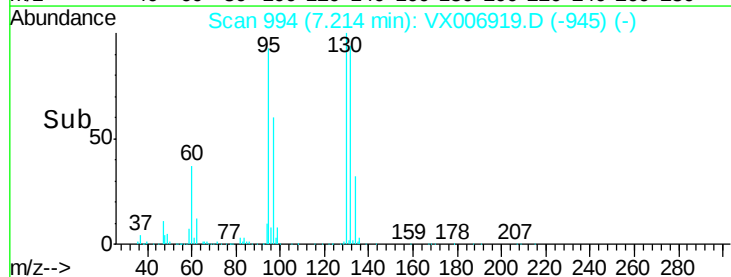
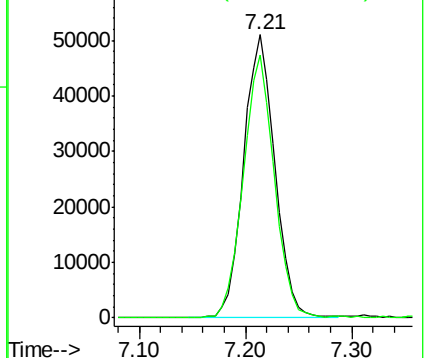
130 100

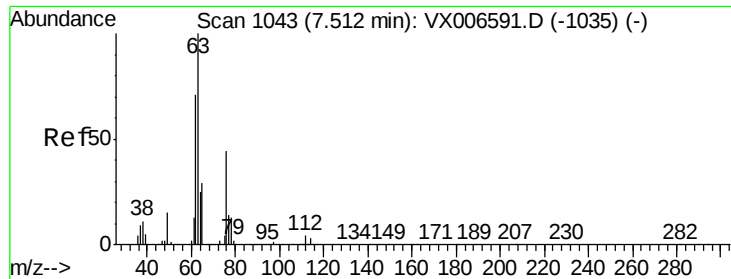
95 92.9 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.810 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

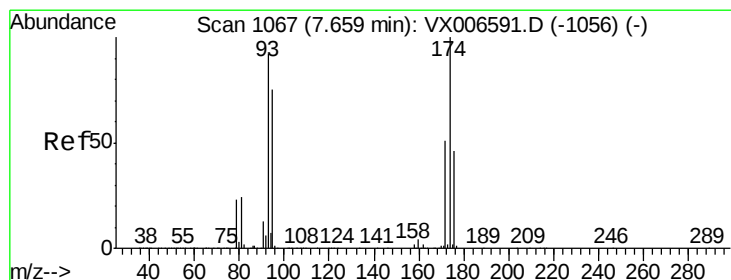
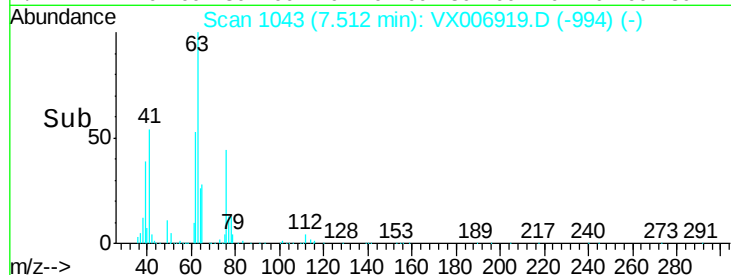
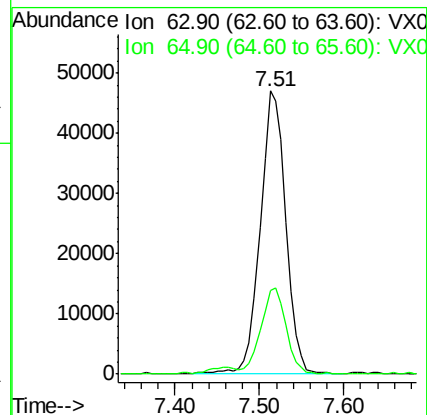
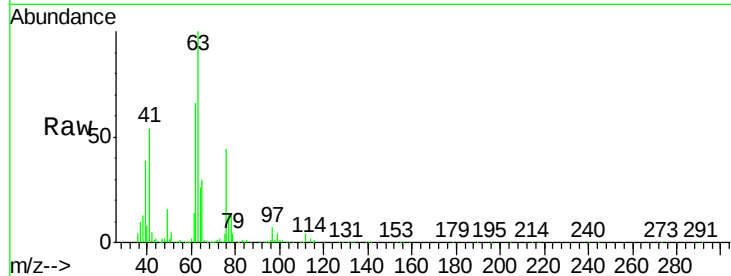
VX0104WBSD01

Tot Ion: 63 Resp: 97670

Ion Ratio Lower Upper

63 100

65 29.3 25.4 38.0



#46

Dibromomethane

Concen: 19.767 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

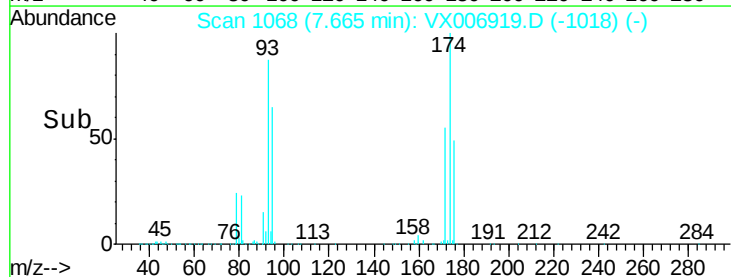
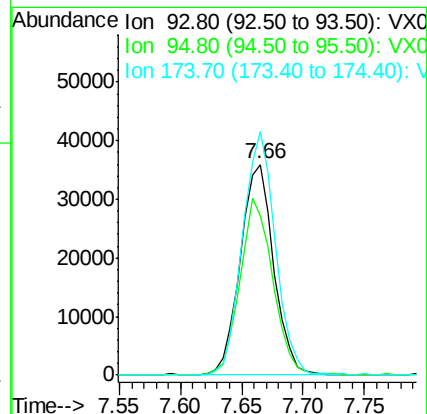
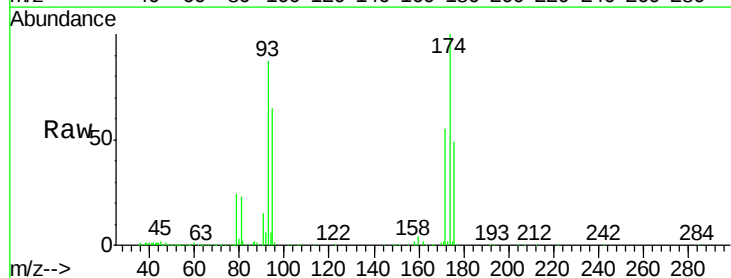
Tgt Ion: 93 Resp: 68242

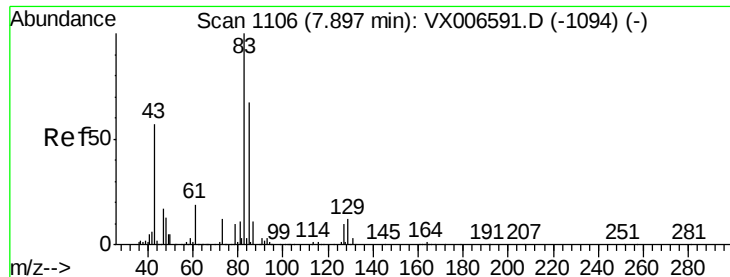
Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.4

174 113.5 91.0 136.4





#47

Bromodichloromethane

Concen: 19.454 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

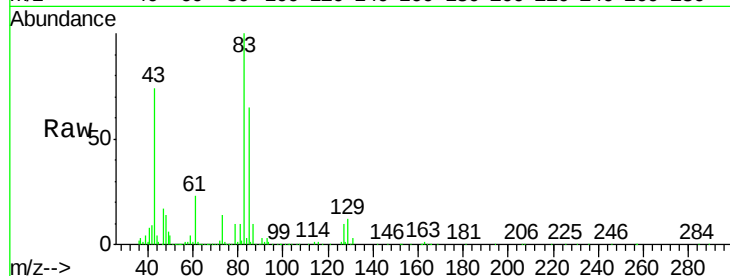
Tot Ion: 83 Resp: 111505

Ion Ratio Lower Upper

83 100

85 64.7 53.2 79.8

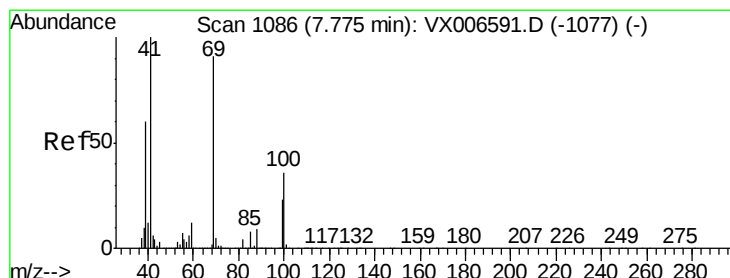
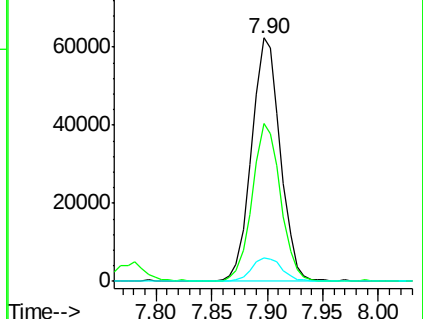
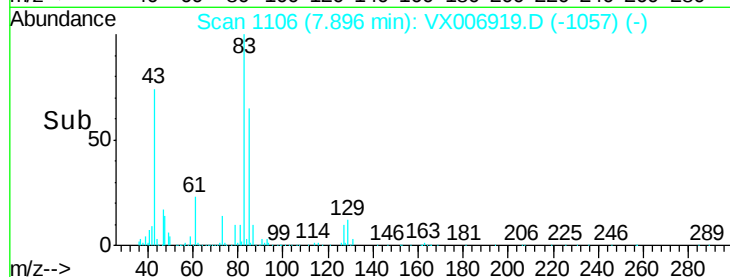
127 9.7 7.8 11.6



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: 21.590 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

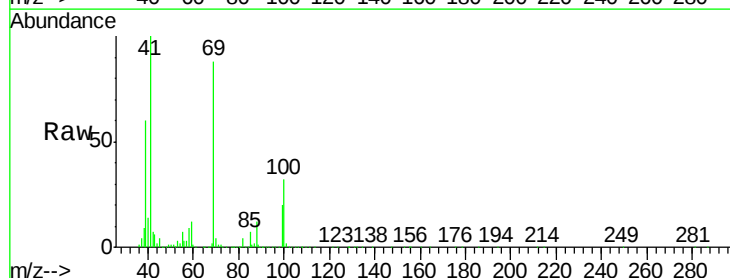
Tgt Ion: 41 Resp: 110325

Ion Ratio Lower Upper

41 100

69 87.0 72.4 108.6

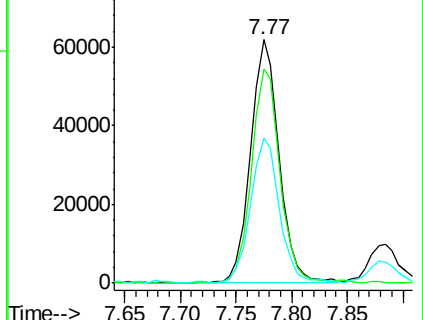
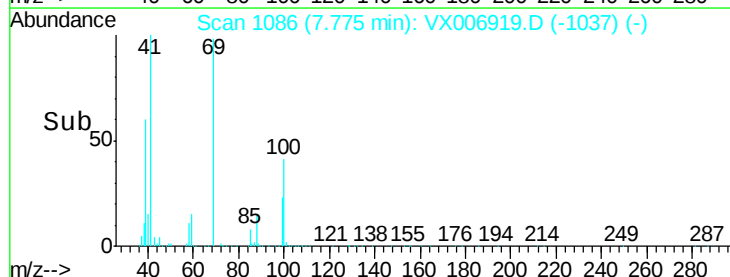
39 59.5 45.8 68.8

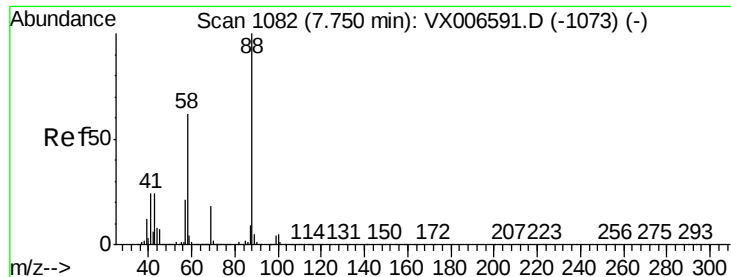


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 396.028 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

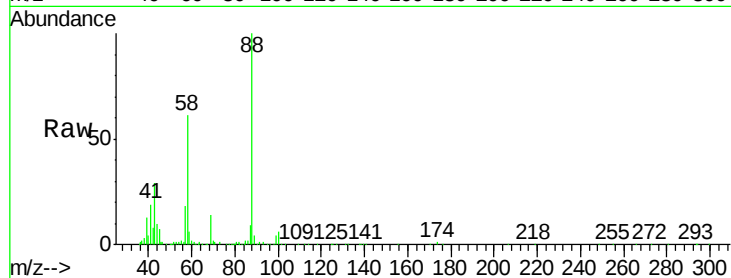
Tot Ion: 88 Resp: 54554

Ion Ratio Lower Upper

88 100

43 31.0 22.2 33.4

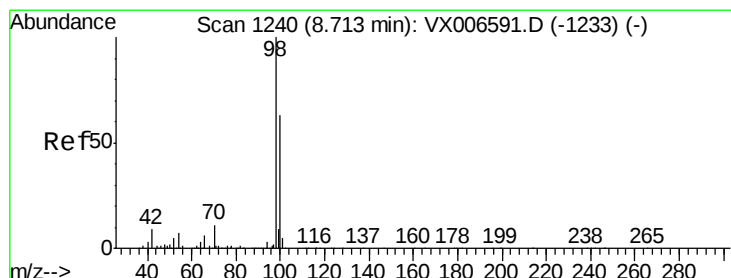
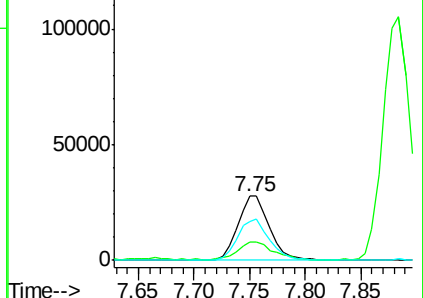
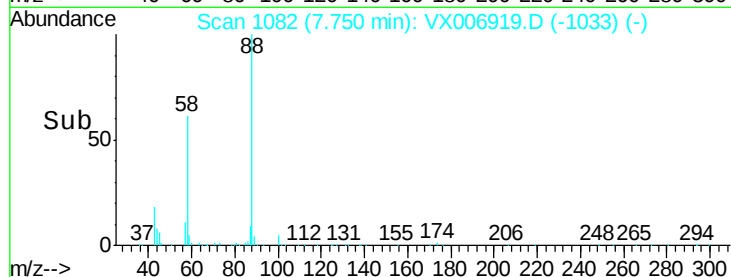
58 64.5 51.0 76.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.379 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006919.D

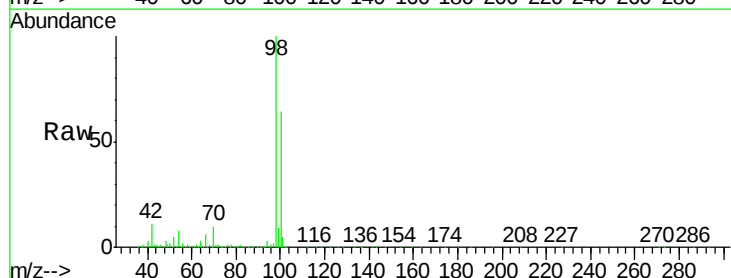
Acq: 04 Jan 2019 17:51

Tgt Ion: 98 Resp: 883631

Ion Ratio Lower Upper

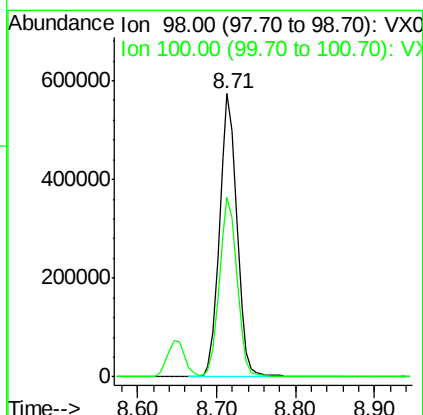
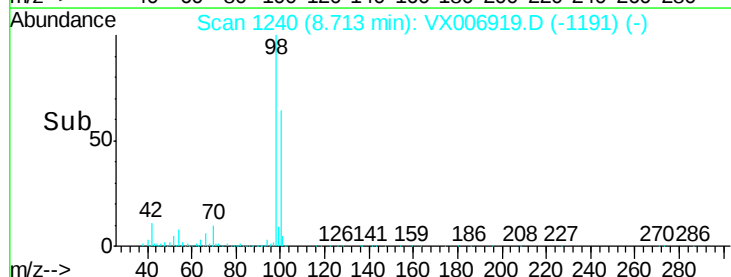
98 100

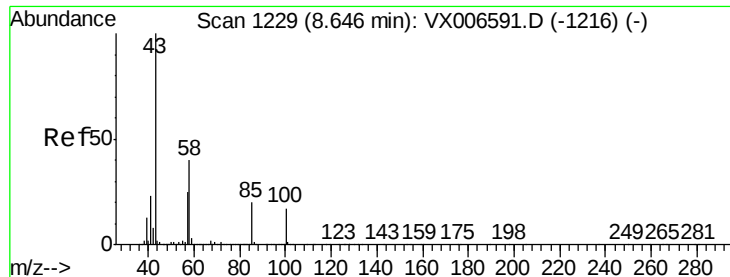
100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 108.089 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

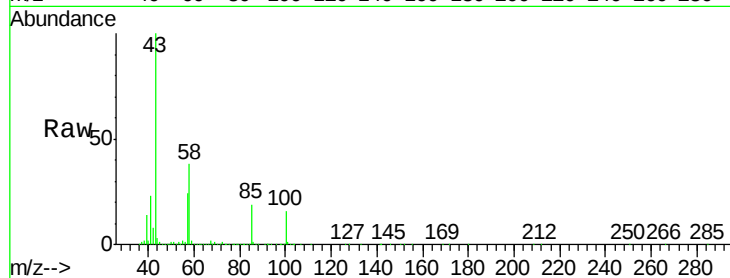
VX0104WBSD01

Tot Ion: 43 Resp: 691074

Ion Ratio Lower Upper

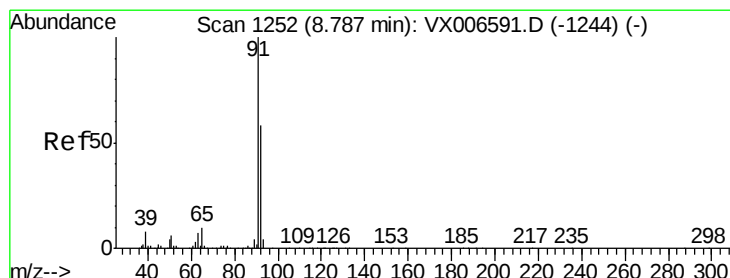
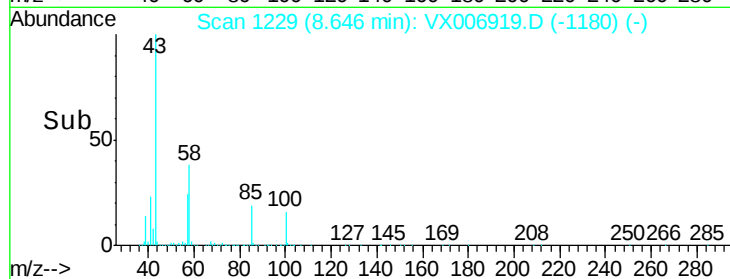
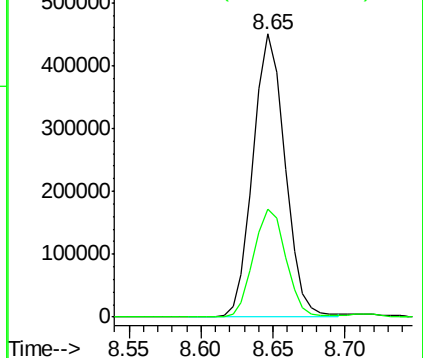
43 100

58 39.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.148 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006919.D

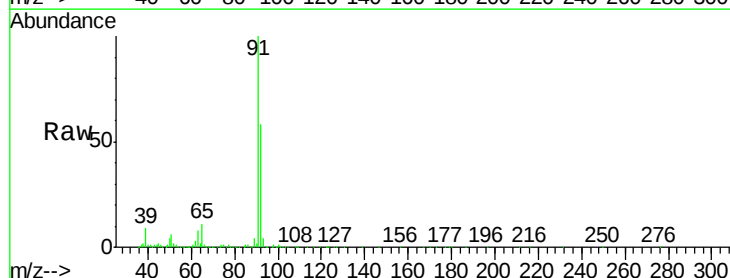
Acq: 04 Jan 2019 17:51

Tgt Ion: 92 Resp: 238594

Ion Ratio Lower Upper

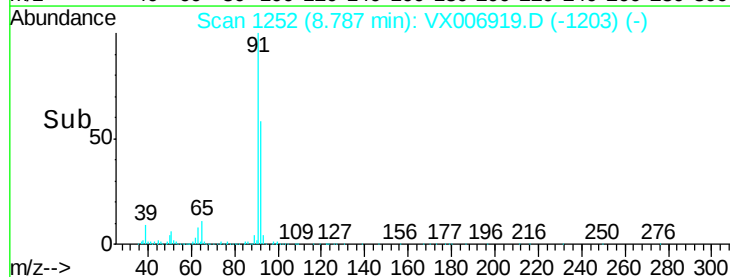
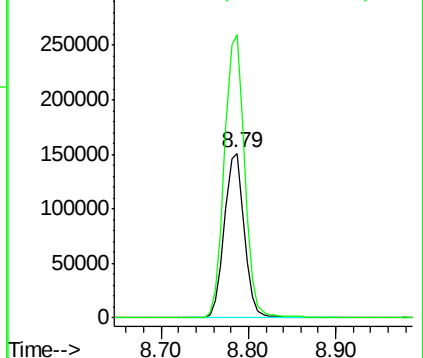
92 100

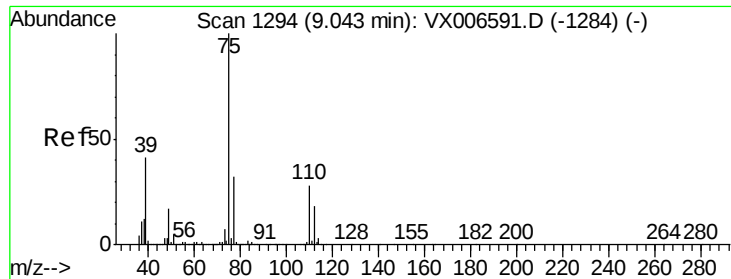
91 174.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.956 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

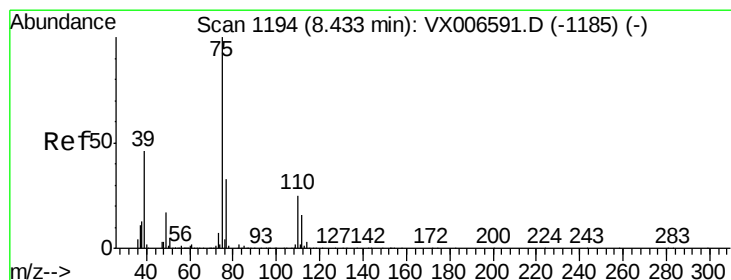
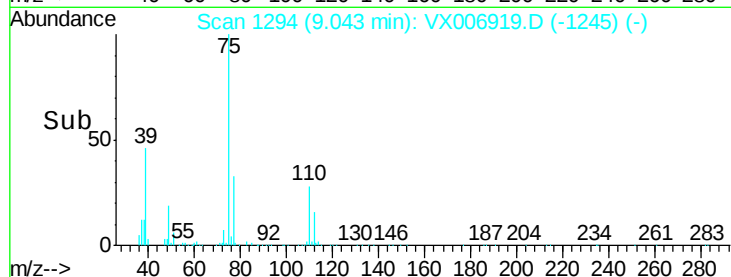
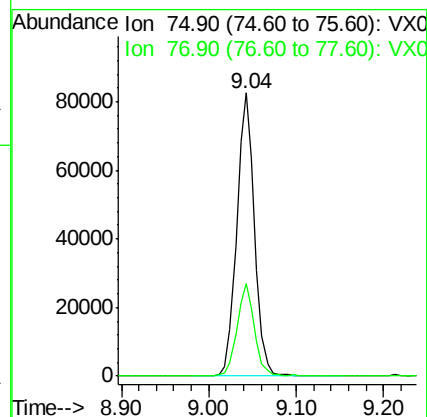
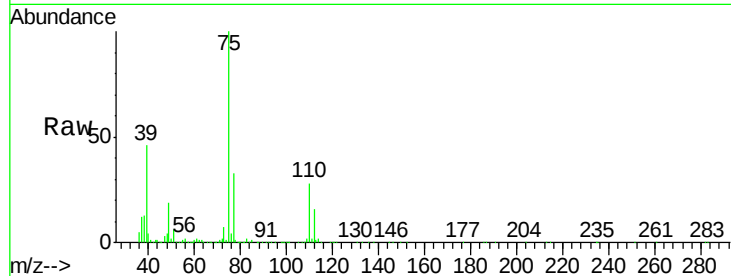
VX0104WBSD01

Tot Ion: 75 Resp: 116523

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.454 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

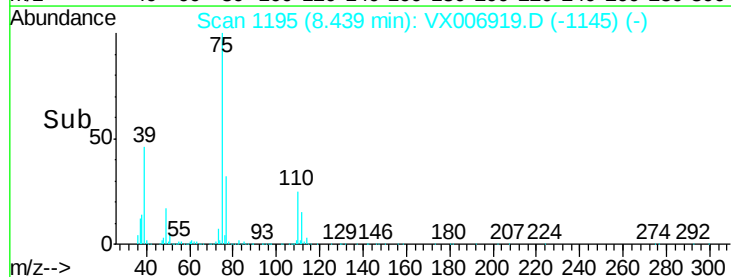
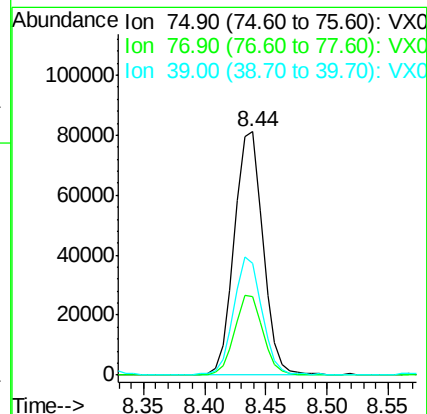
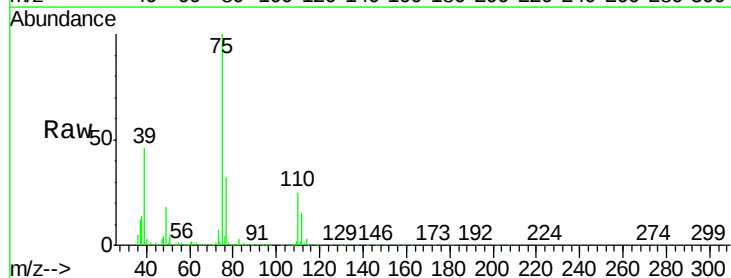
Tgt Ion: 75 Resp: 131217

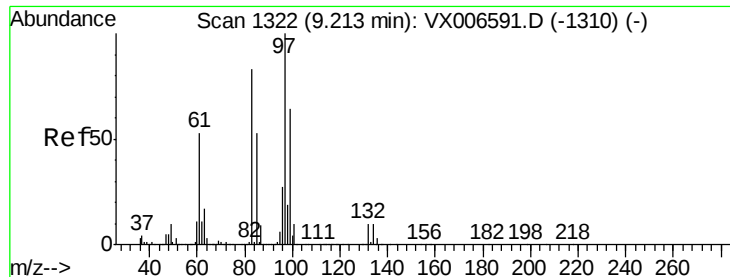
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

39 45.5 36.7 55.1

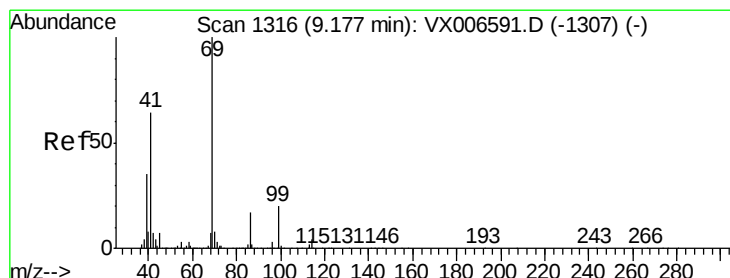
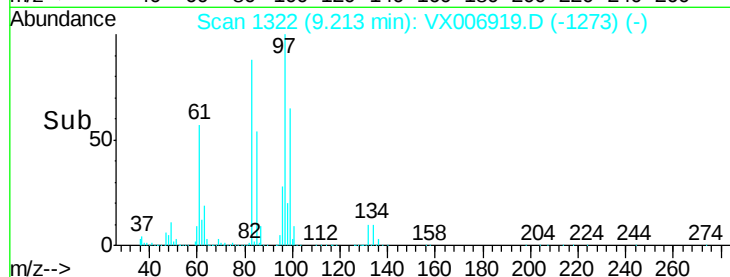
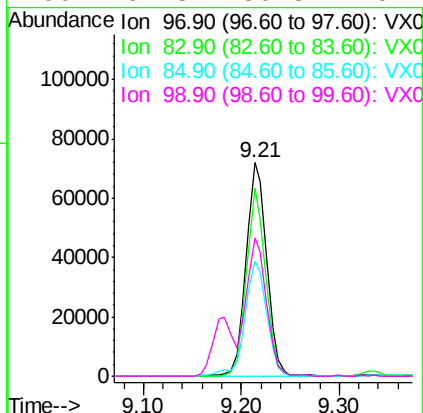
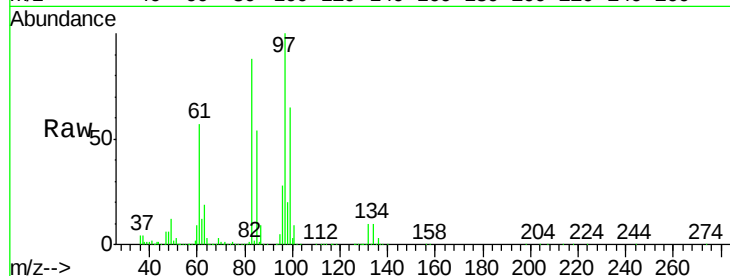




#55
 1,1,2-Trichloroethane
 Concen: 20.612 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

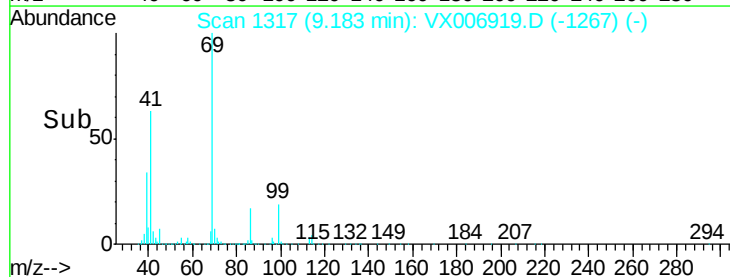
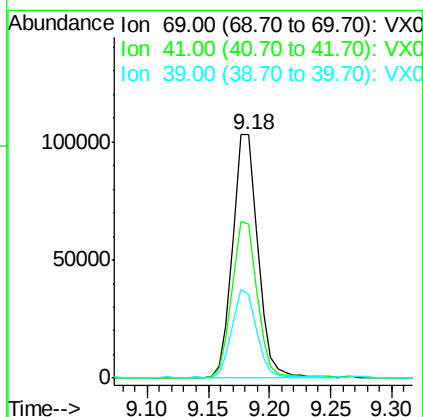
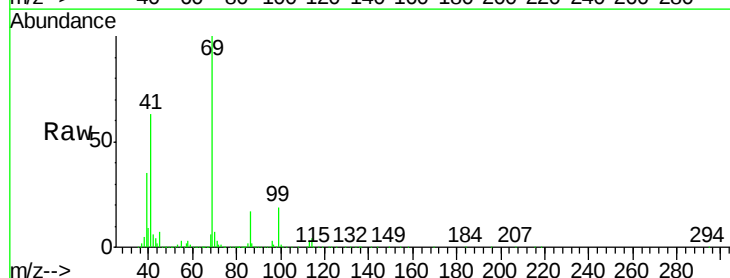
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBSD01

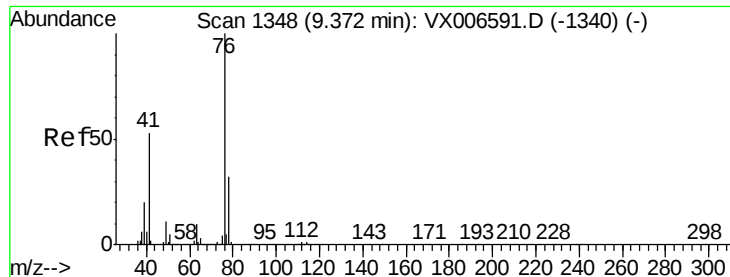
Tot Ion:	97	Resp:	105128
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.6	99.8
85	54.0	42.7	64.1
99	64.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.478 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

Tgt Ion:	69	Resp:	147617
Ion	Ratio	Lower	Upper
69	100		
41	64.3	48.7	73.1
39	35.5	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.265 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

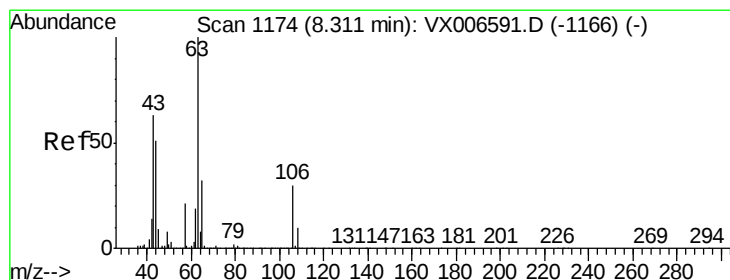
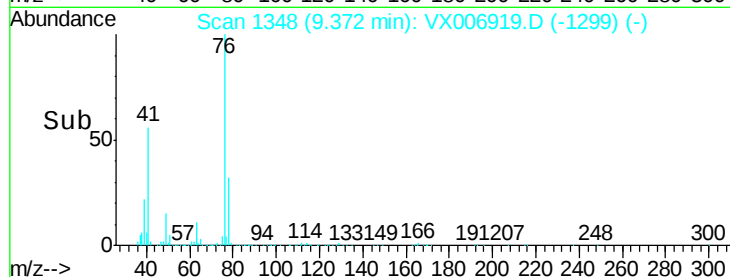
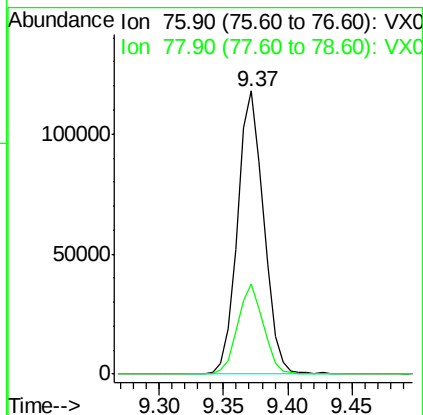
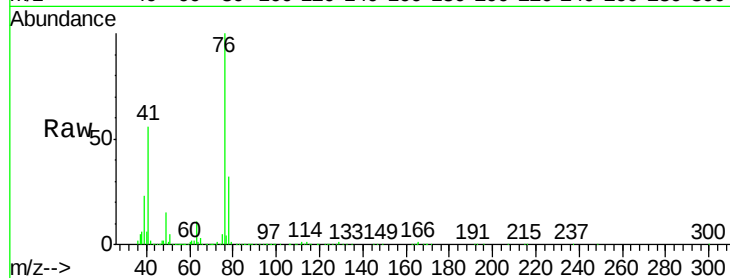
VX0104WBSD01

Tot Ion: 76 Resp: 166290

Ion Ratio Lower Upper

76 100

78 31.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 99.643 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006919.D

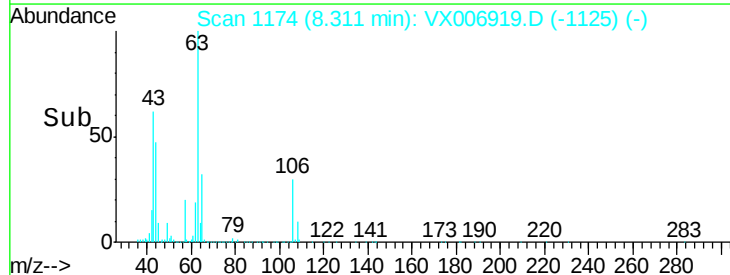
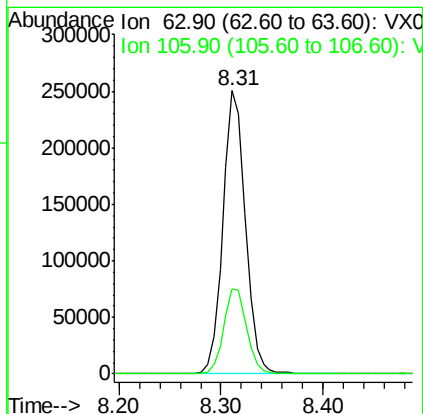
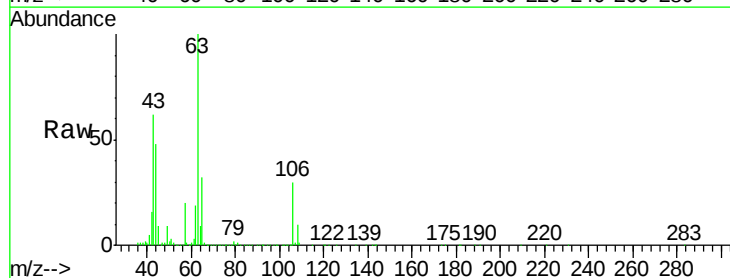
Acq: 04 Jan 2019 17:51

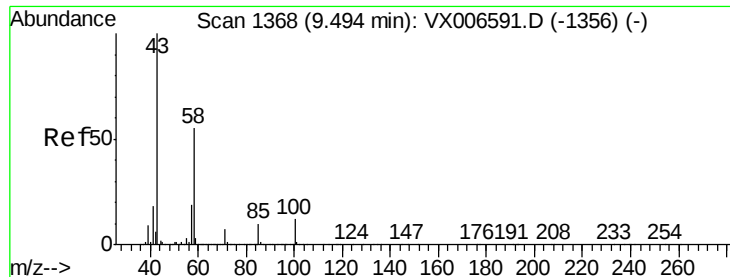
Tgt Ion: 63 Resp: 381814

Ion Ratio Lower Upper

63 100

106 30.5 24.6 36.8

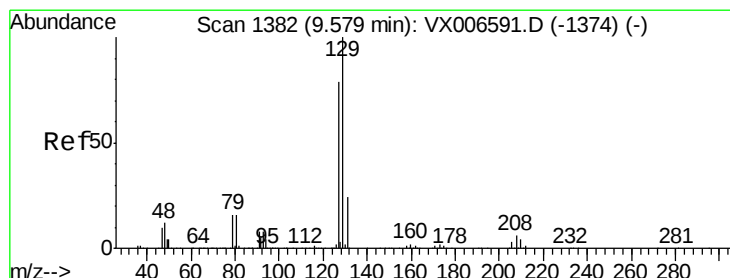
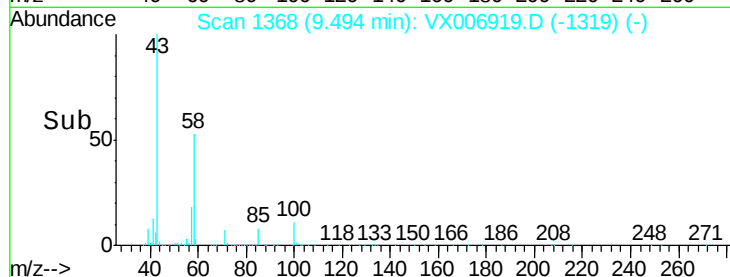
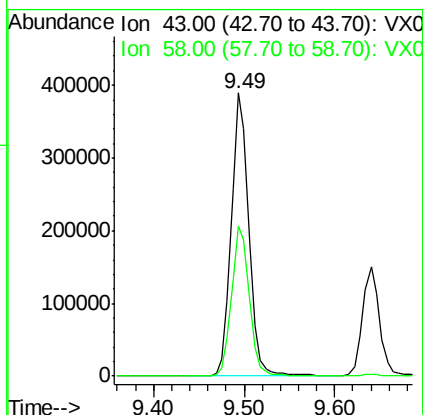
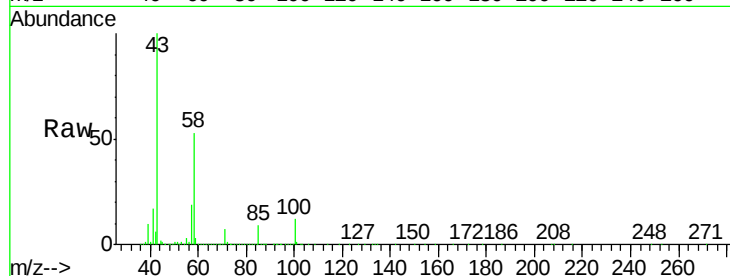




#59
2-Hexanone
Concen: 106.219 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

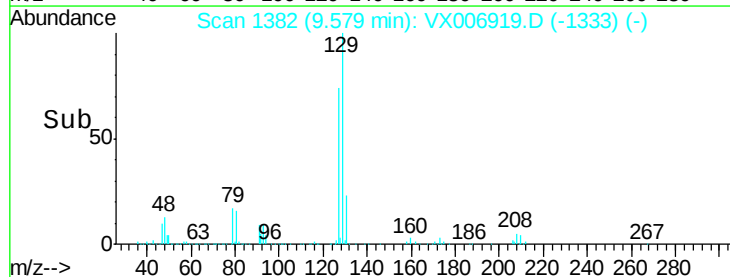
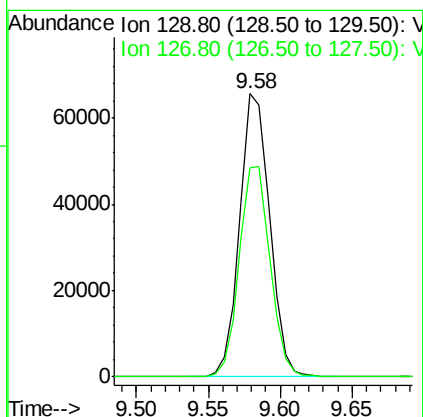
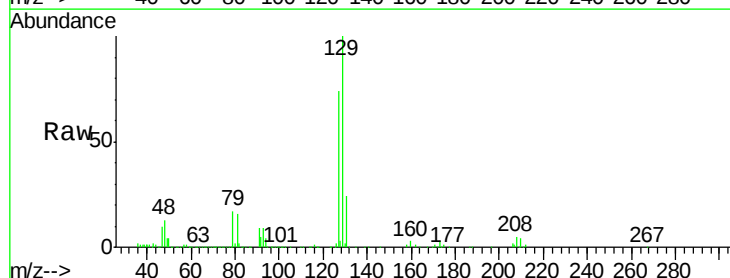
Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

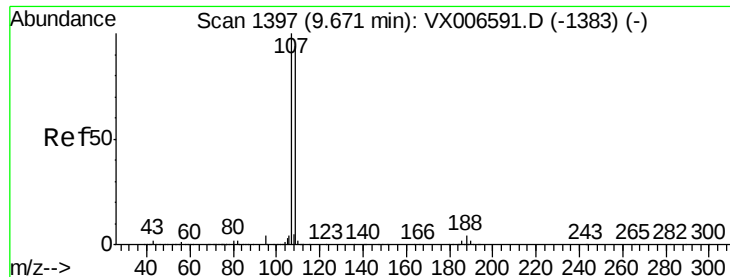
Tot Ion: 43 Resp: 519606
Ion Ratio Lower Upper
43 100
58 53.9 27.7 83.1



#60
Dibromochloromethane
Concen: 19.369 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion: 129 Resp: 95355
Ion Ratio Lower Upper
129 100
127 76.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.020 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

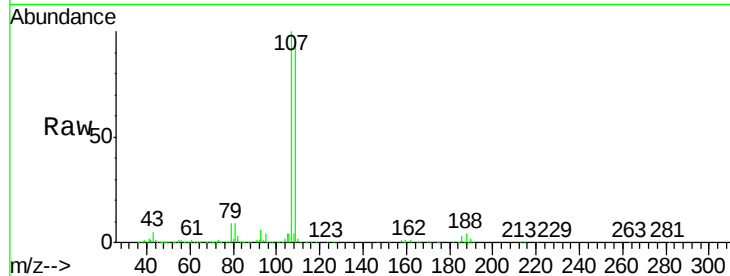
VX0104WBSD01

Tot Ion: 107 Resp: 108544

Ion Ratio Lower Upper

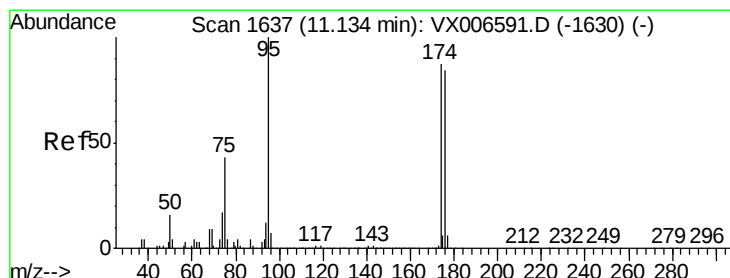
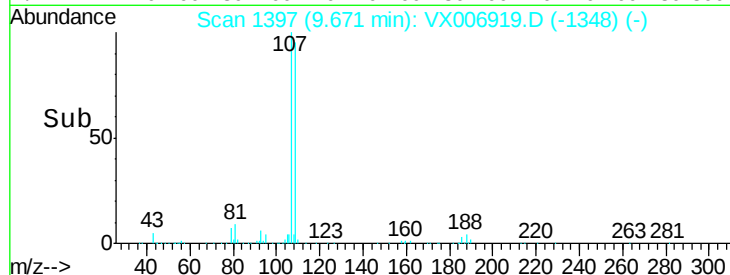
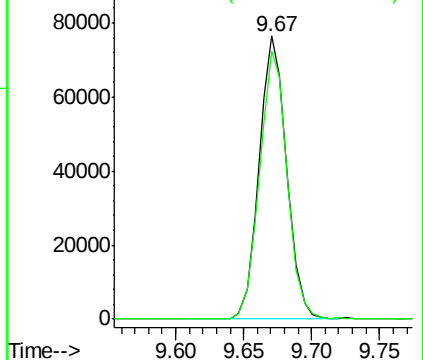
107 100

109 95.5 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: 46.566 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

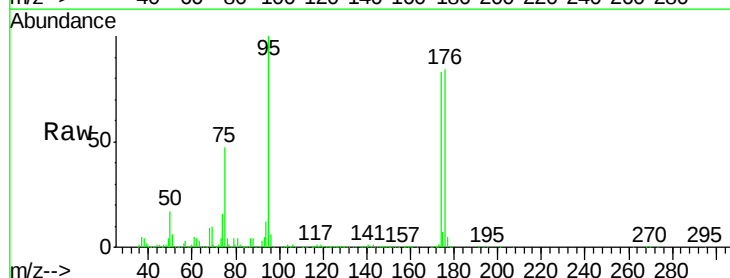
Tgt Ion: 95 Resp: 311492

Ion Ratio Lower Upper

95 100

174 91.0 0.0 182.2

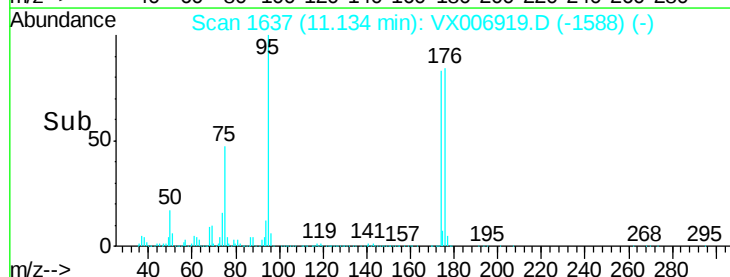
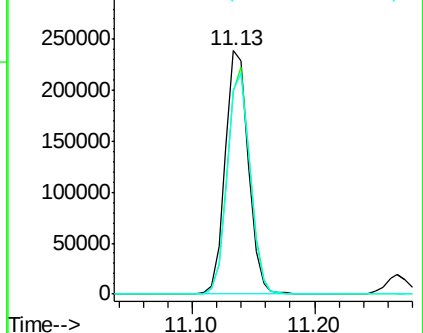
176 89.5 0.0 178.8

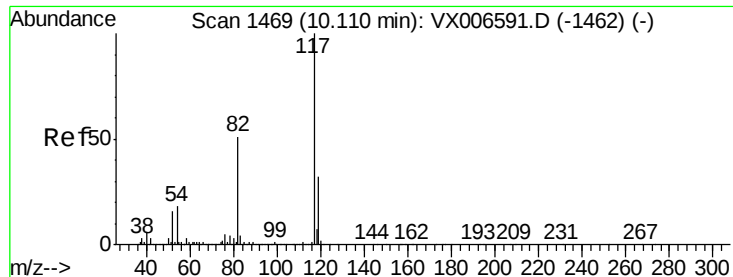


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

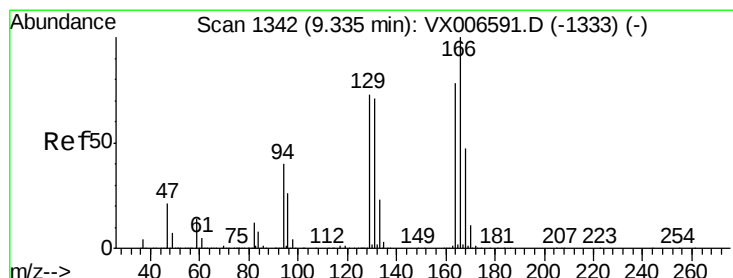
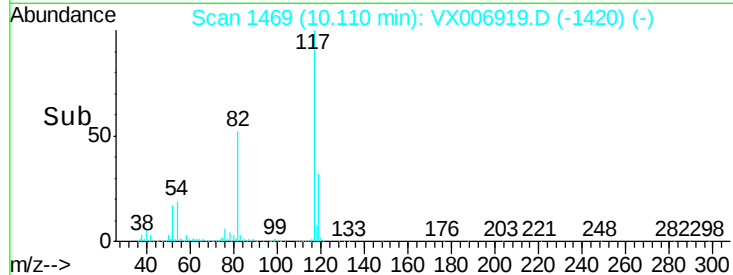
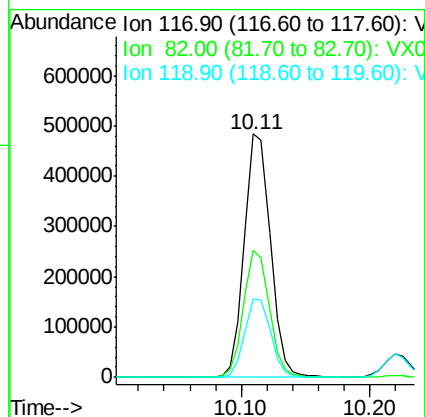
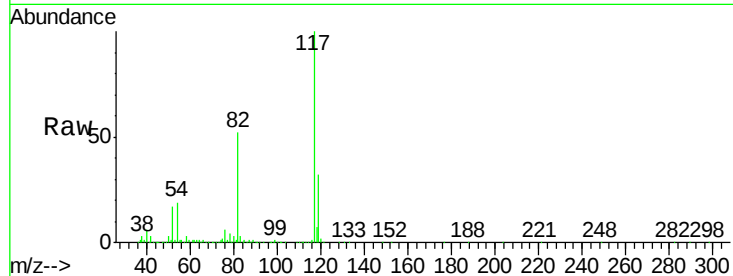




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

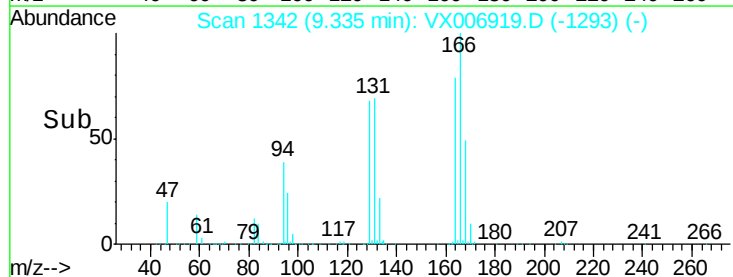
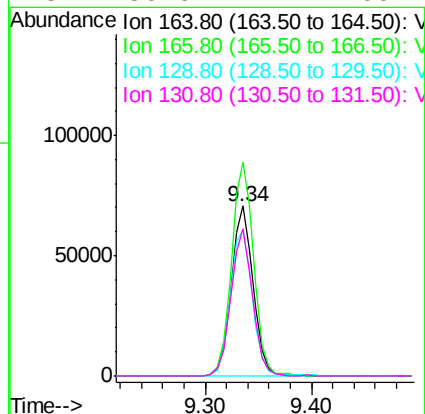
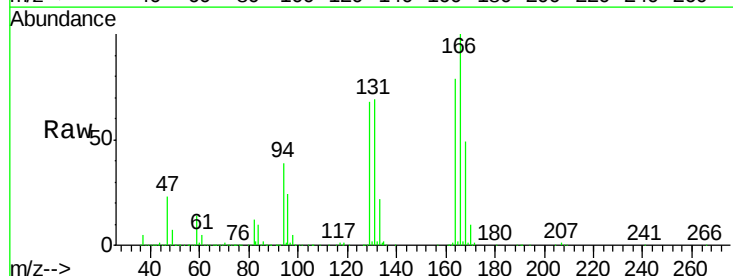
Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

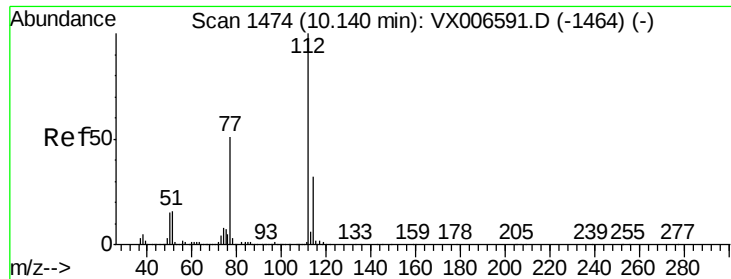
Tot Ion:117 Resp: 679484
Ion Ratio Lower Upper
117 100
82 52.4 41.0 61.6
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 18.731 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion:164 Resp: 100780
Ion Ratio Lower Upper
164 100
166 125.8 102.5 153.7
129 85.7 75.1 112.7
131 86.6 72.7 109.1





#65

Chlorobenzene

Concen: 19.365 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

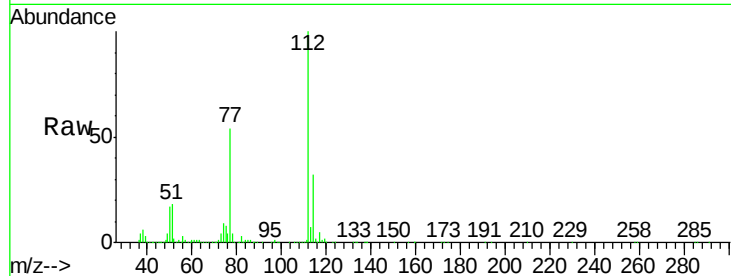
VX0104WBSD01

Tot Ion:112 Resp: 278377

Ion Ratio Lower Upper

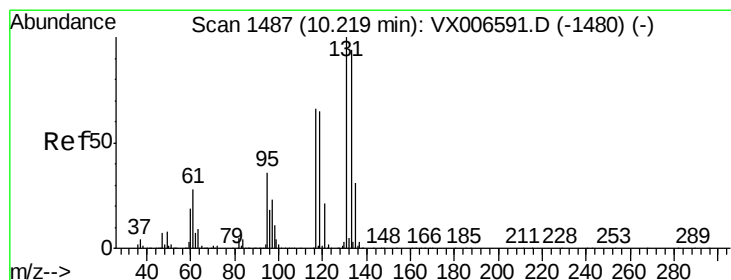
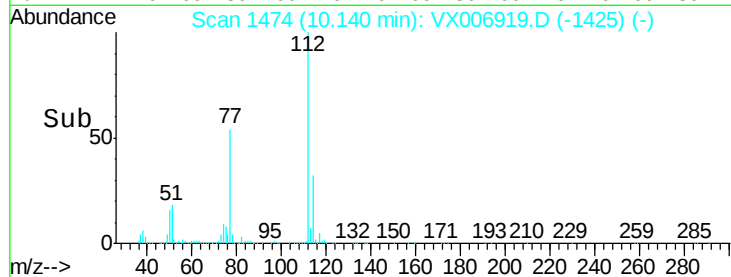
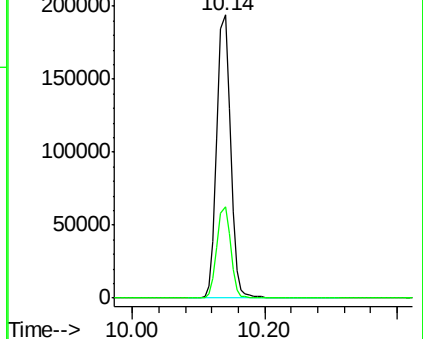
112 100

114 32.4 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: 21.147 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

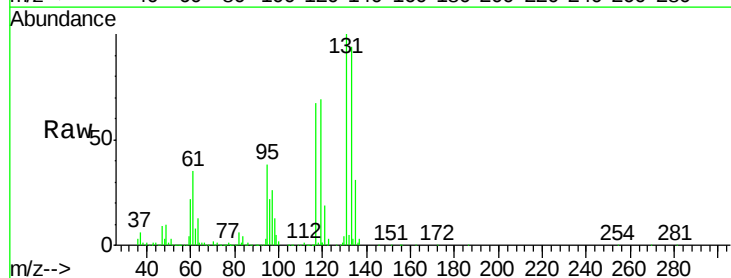
Tgt Ion:131 Resp: 94842

Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.2

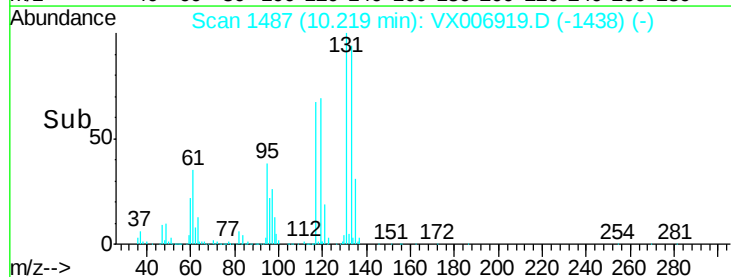
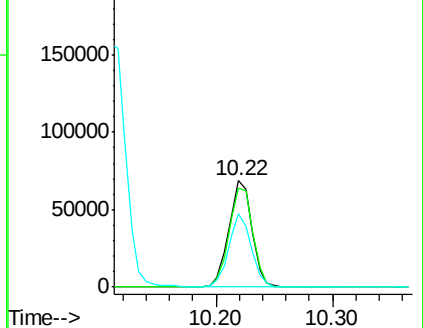
119 66.5 32.6 97.8

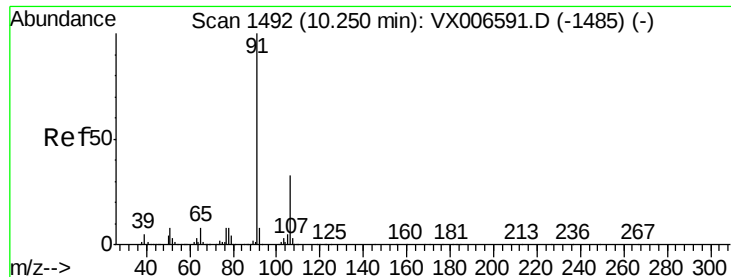


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.970 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

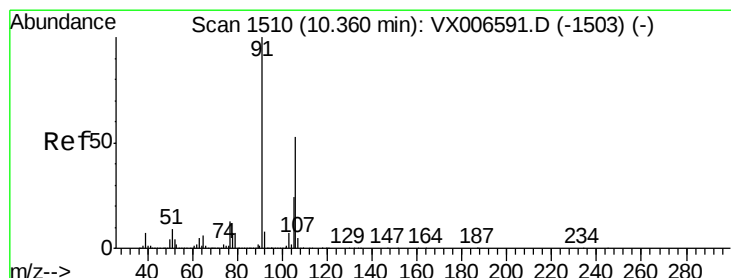
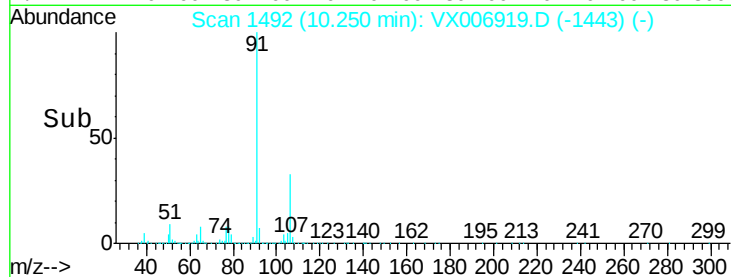
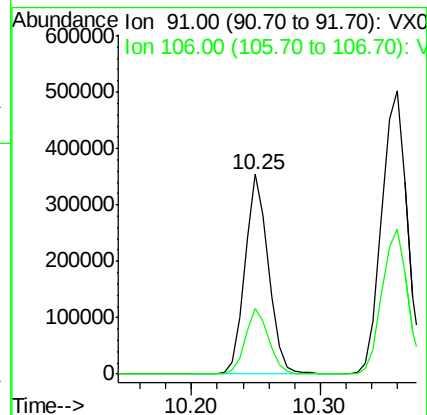
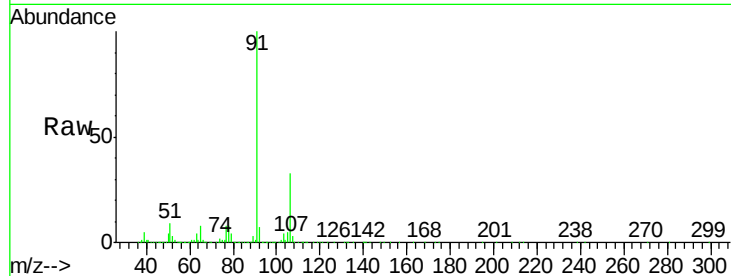
VX0104WBSD01

Tot Ion: 91 Resp: 445610

Ion Ratio Lower Upper

91 100

106 32.9 26.4 39.6



#68

m/p-Xylenes

Concen: 37.735 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006919.D

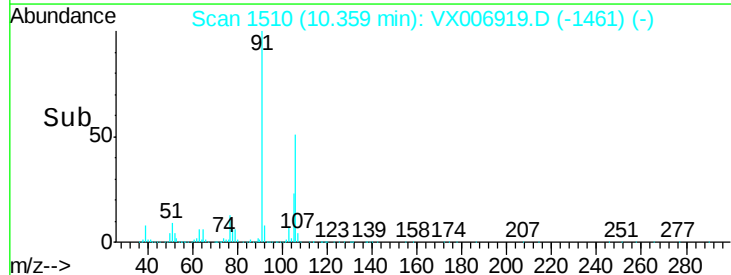
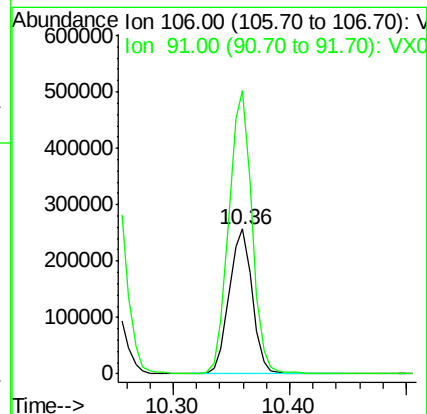
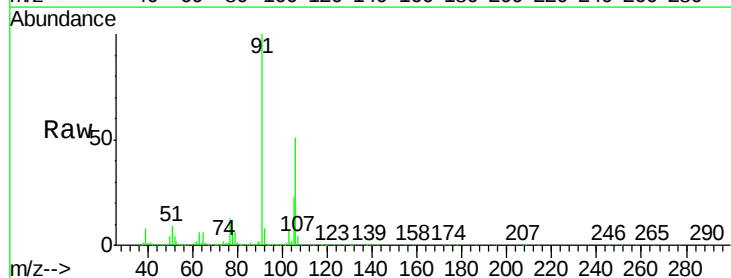
Acq: 04 Jan 2019 17:51

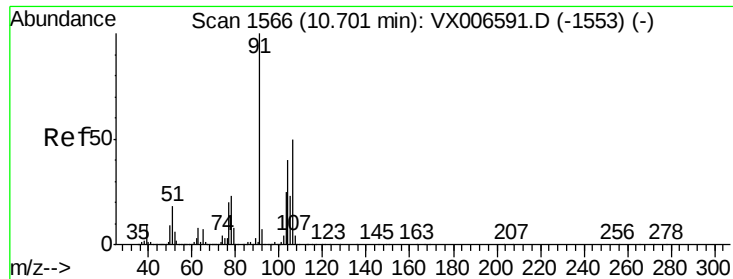
Tgt Ion: 106 Resp: 349764

Ion Ratio Lower Upper

106 100

91 196.8 155.8 233.6

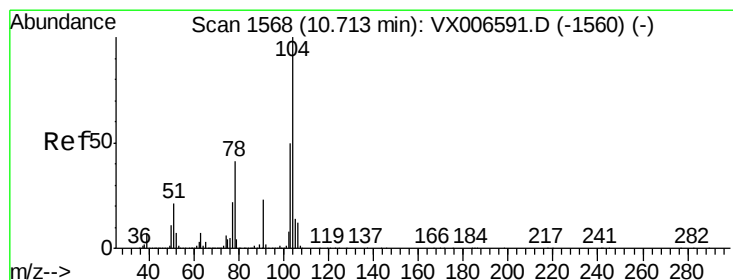
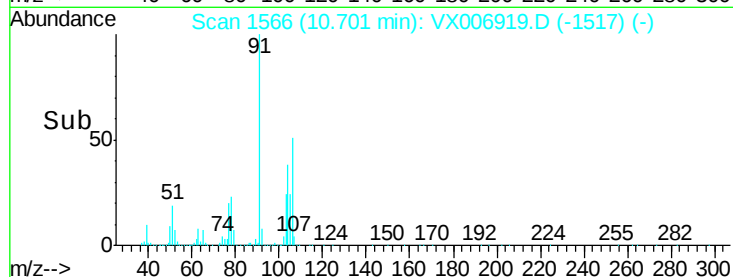
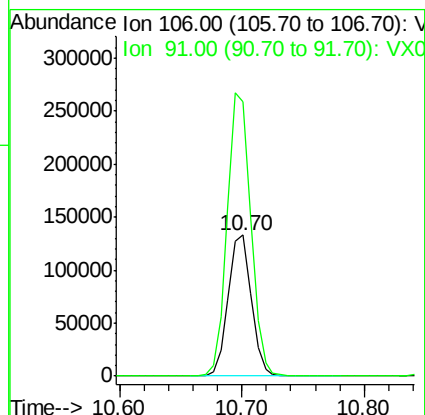
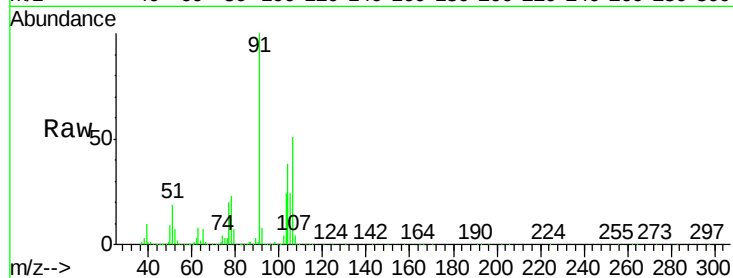




#69
o-Xylene
Concen: 19.129 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

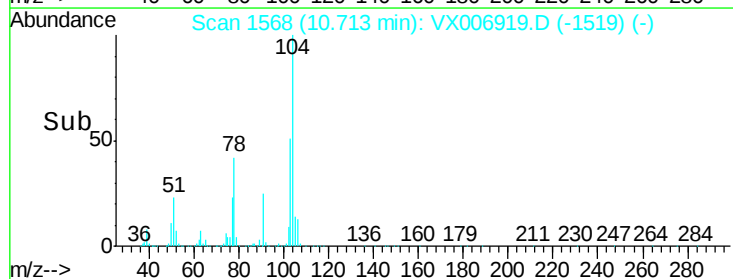
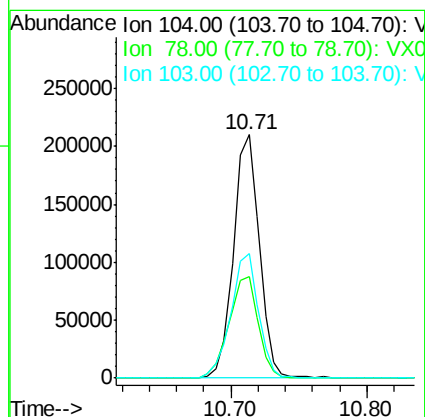
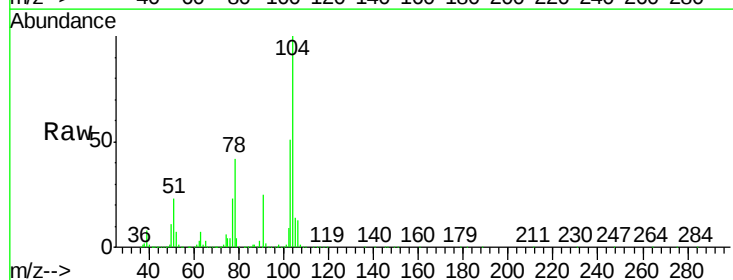
Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

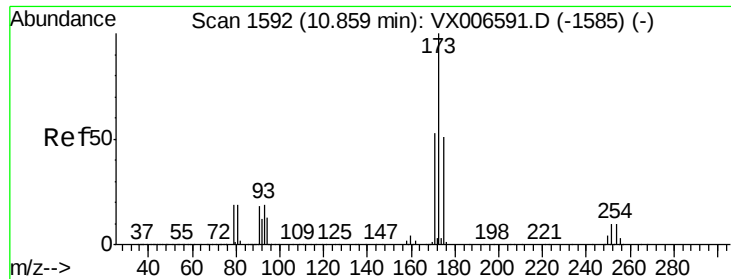
Tot Ion:106 Resp: 175083
Ion Ratio Lower Upper
106 100
91 204.0 101.3 303.7



#70
Styrene
Concen: 19.247 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion:104 Resp: 278707
Ion Ratio Lower Upper
104 100
78 47.3 37.7 56.5
103 54.8 43.8 65.8

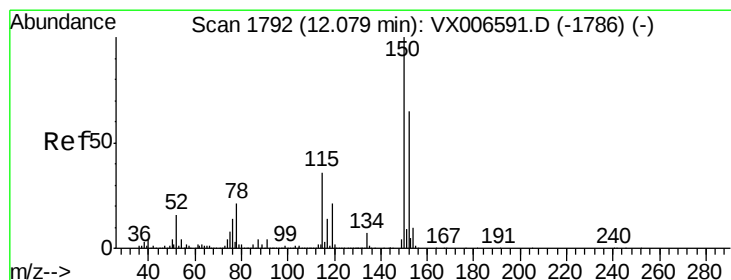
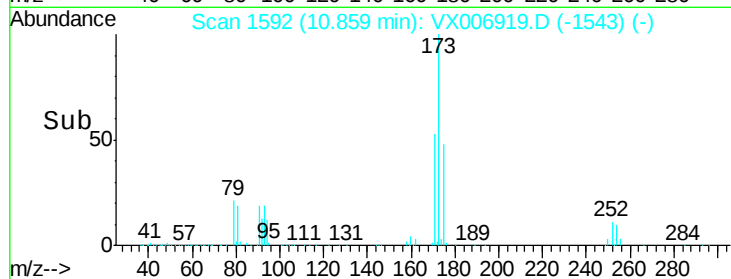
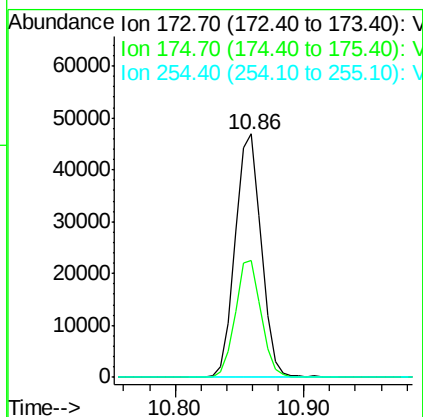
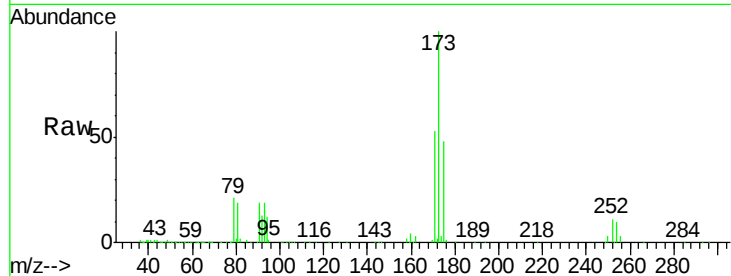




#71
Bromoform
Concen: 19.302 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

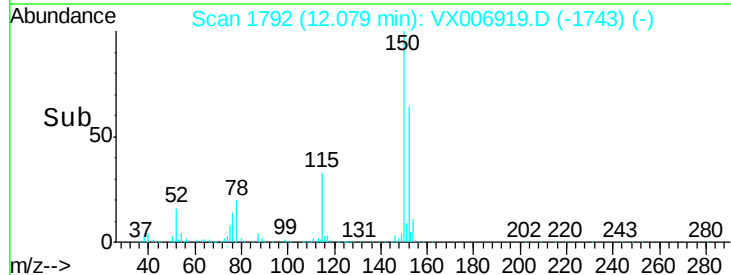
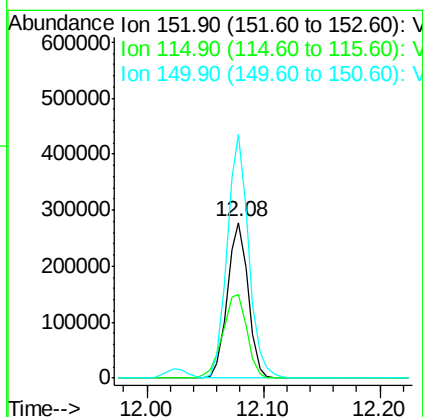
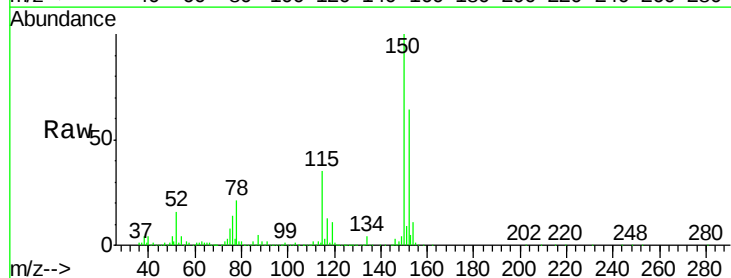
Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

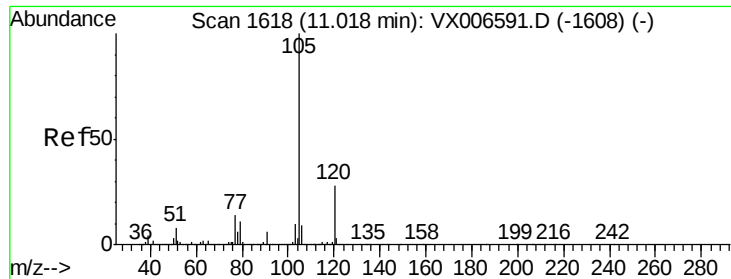
Tot Ion:173 Resp: 65924
Ion Ratio Lower Upper
173 100
175 47.9 24.7 74.1
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion:152 Resp: 342404
Ion Ratio Lower Upper
152 100
115 62.4 39.1 117.2
150 161.6 0.0 344.8





#73

Isopropylbenzene

Concen: 19.776 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

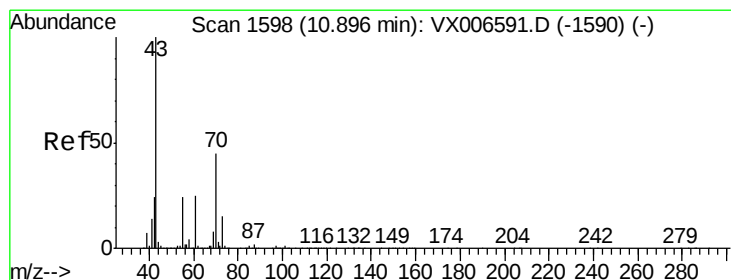
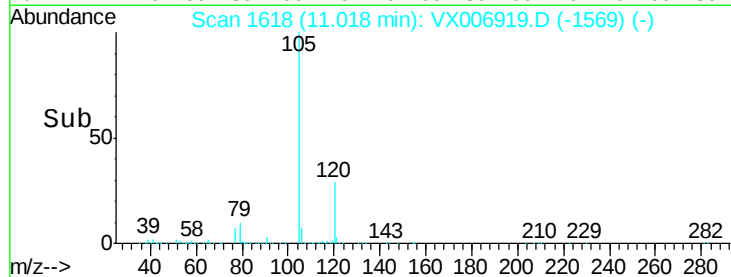
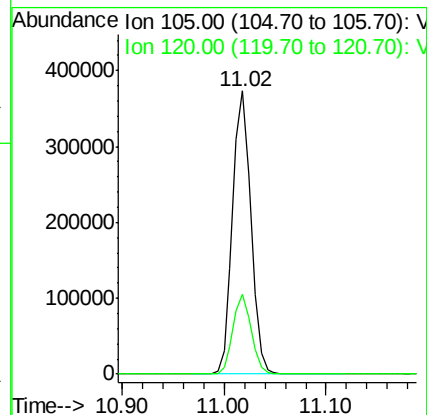
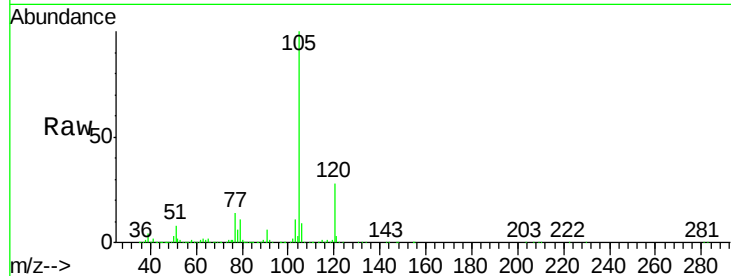
VX0104WBSD01

Tot Ion:105 Resp: 463244

Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.4



#74

N-ethyl acetate

Concen: 22.320 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Tgt Ion: 43 Resp: 187144

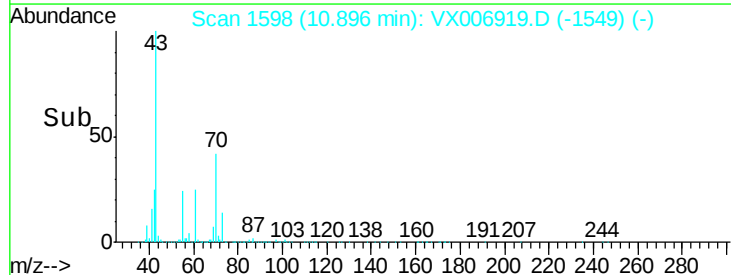
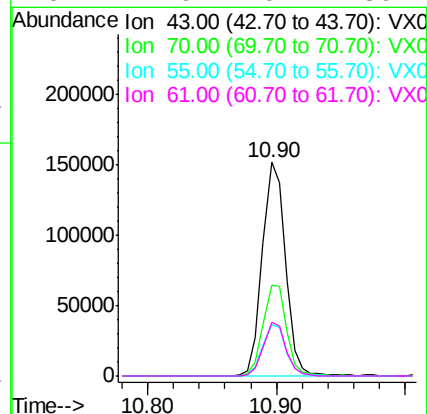
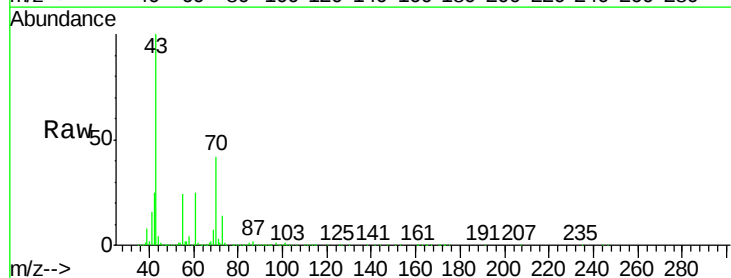
Ion Ratio Lower Upper

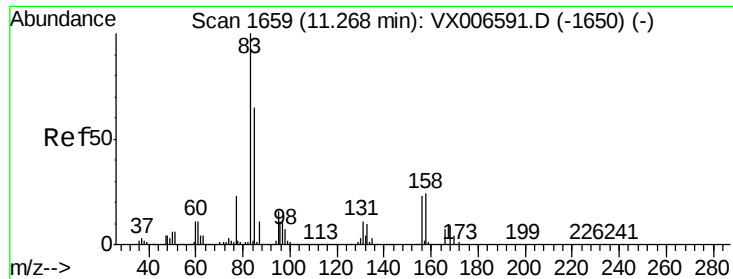
43 100

70 43.9 35.8 53.8

55 24.7 19.4 29.0

61 24.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.925 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

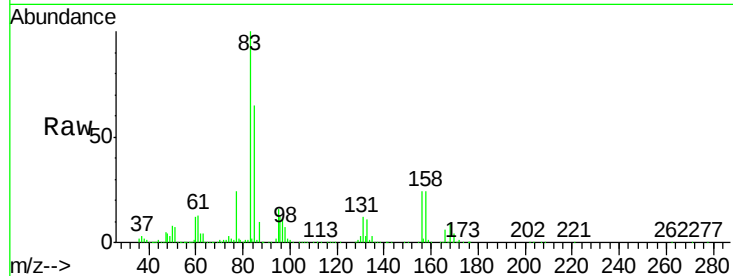
Tot Ion: 83 Resp: 152738

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

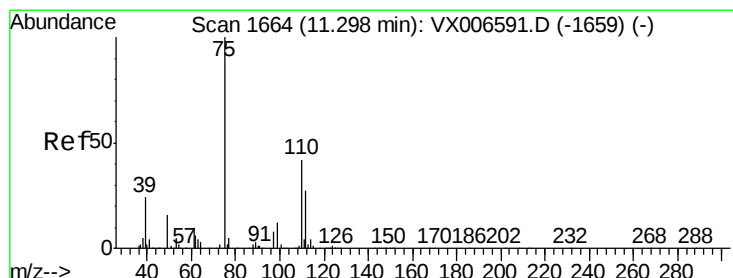
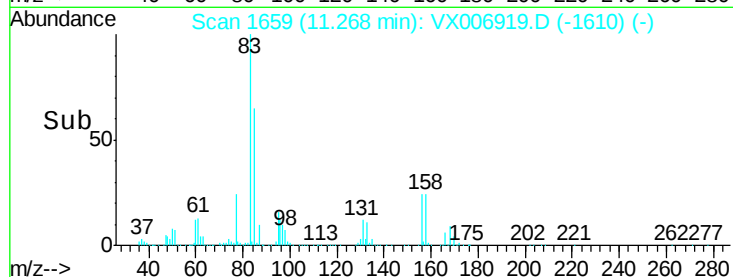
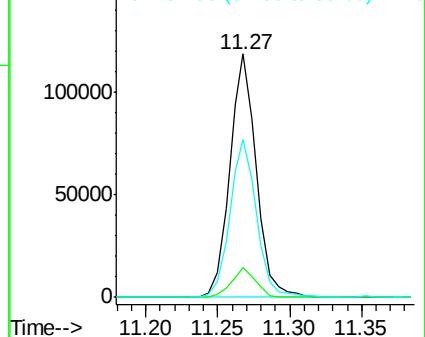
85 65.7 32.2 96.6



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: 24.849 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006919.D

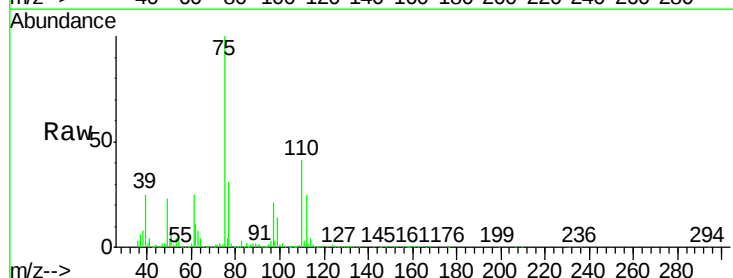
Acq: 04 Jan 2019 17:51

Tgt Ion: 75 Resp: 158123

Ion Ratio Lower Upper

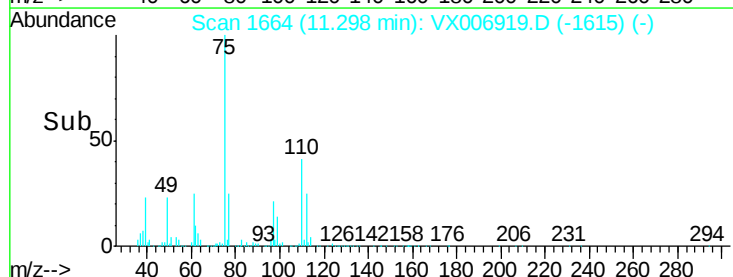
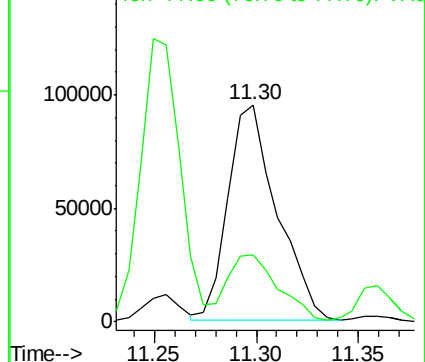
75 100

77 31.5 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

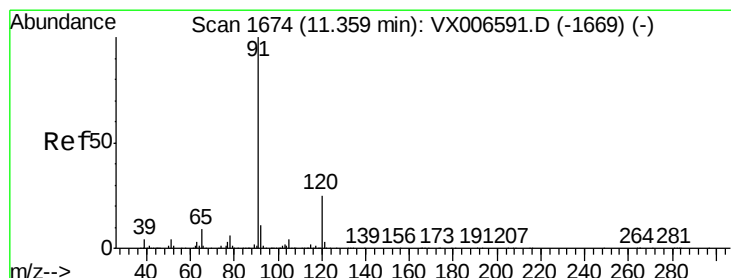
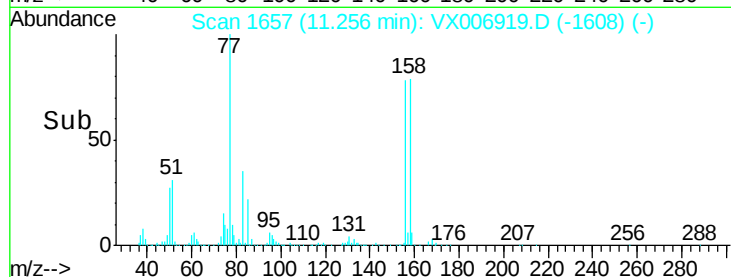
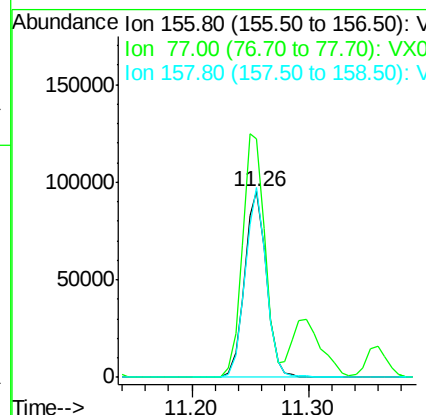
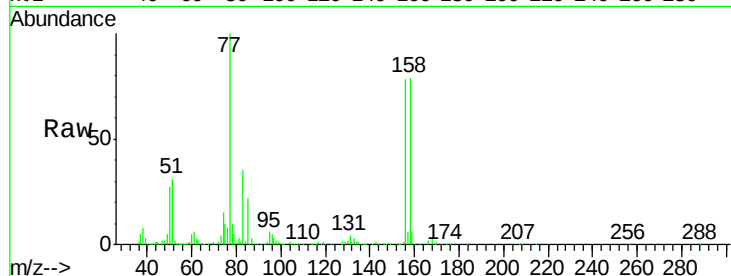




#77
Bromobenzene
Concen: 19.755 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

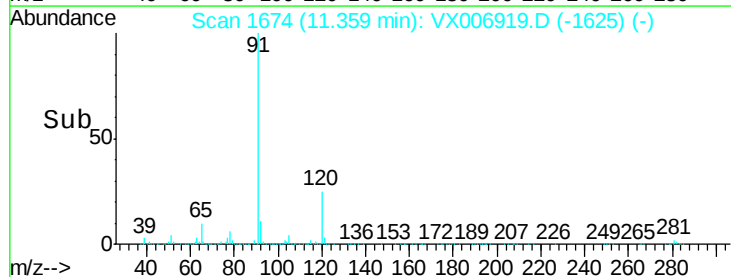
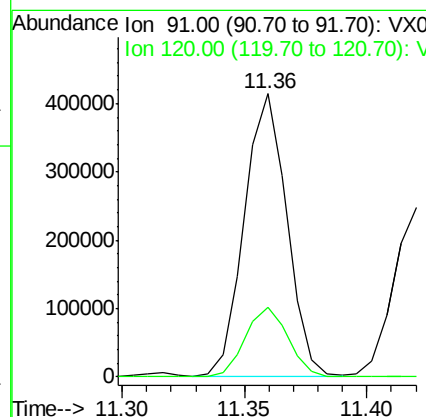
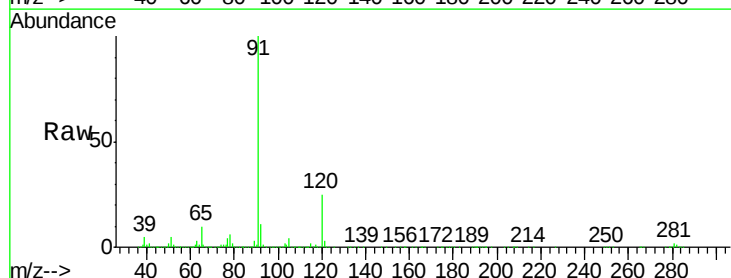
Instrument :
MSVOA_X
ClientSampleId :
VX0104WBSD01

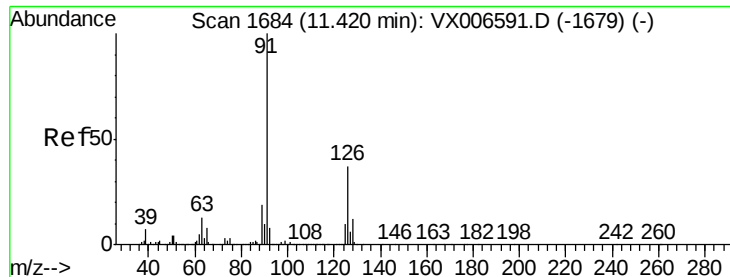
Tot Ion:156 Resp: 125106
Ion Ratio Lower Upper
156 100
77 133.0 68.0 204.0
158 98.4 48.3 144.8



#78
n-propylbenzene
Concen: 19.330 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion: 91 Resp: 498612
Ion Ratio Lower Upper
91 100
120 25.2 12.7 38.0





#79

2-Chlorotoluene

Concen: 19.464 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

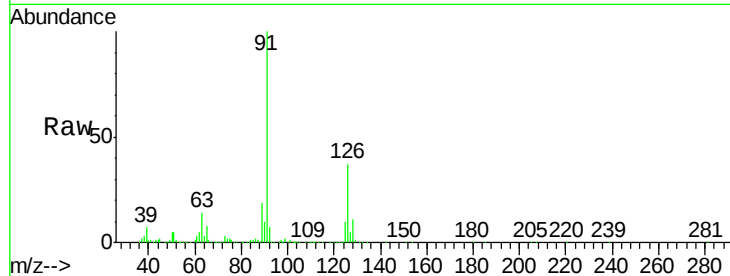
VX0104WBSD01

Tot Ion: 91 Resp: 304259

Ion Ratio Lower Upper

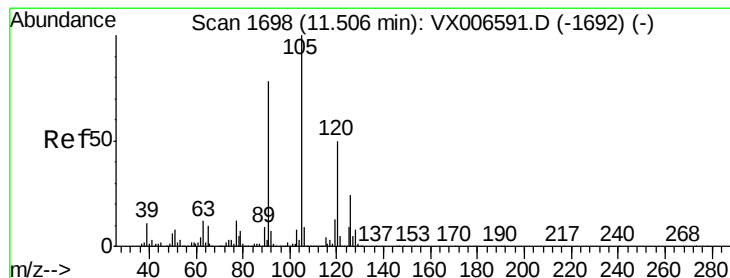
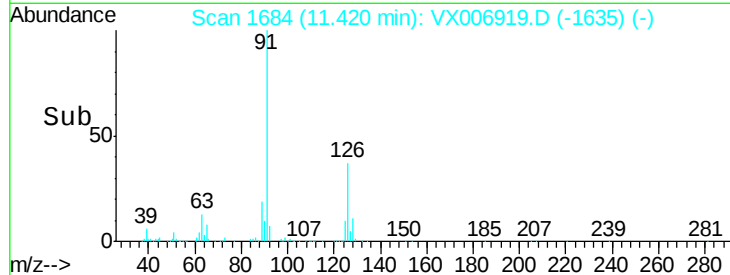
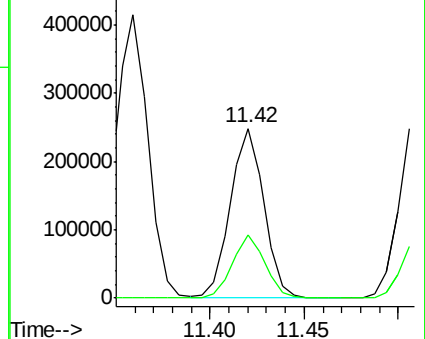
91 100

126 36.7 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: 19.656 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006919.D

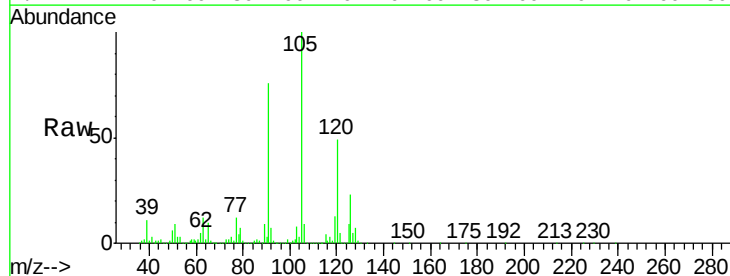
Acq: 04 Jan 2019 17:51

Tgt Ion: 105 Resp: 379247

Ion Ratio Lower Upper

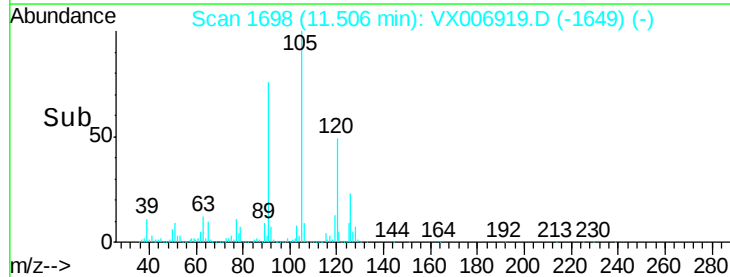
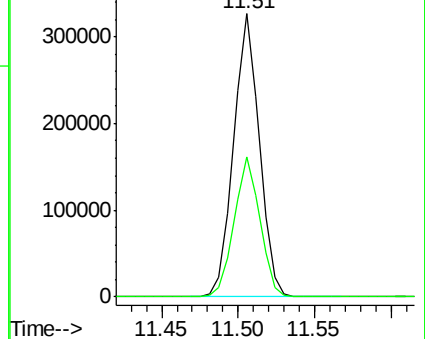
105 100

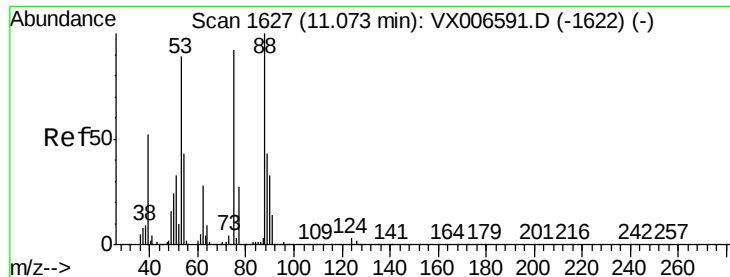
120 49.5 25.1 75.3



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: 18.223 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

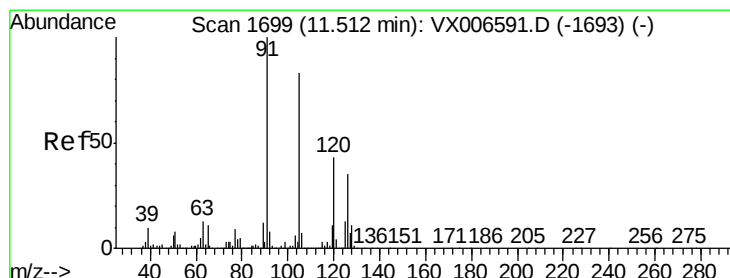
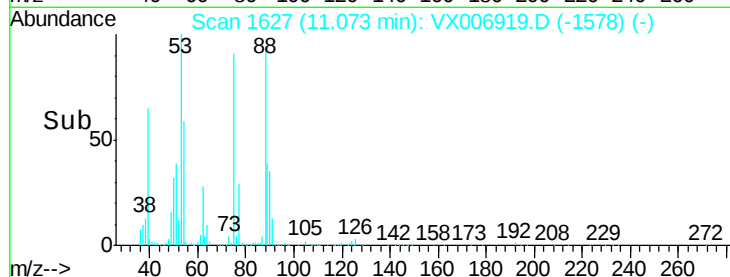
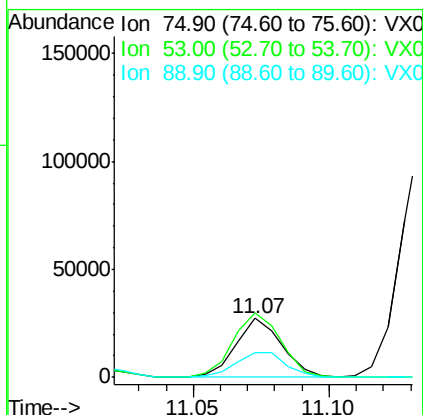
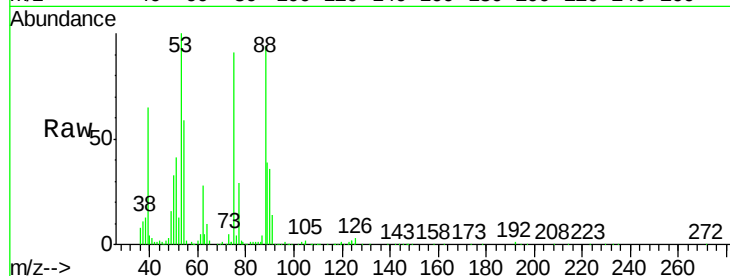
Tot Ion: 75 Resp: 31959

Ion Ratio Lower Upper

75 100

53 115.4 79.7 119.5

89 47.2 38.0 57.0



#82

4-Chlorotoluene

Concen: 19.283 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006919.D

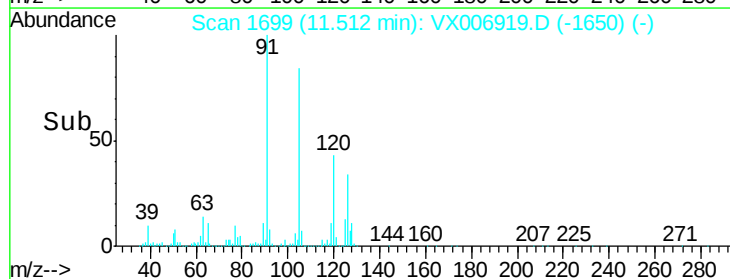
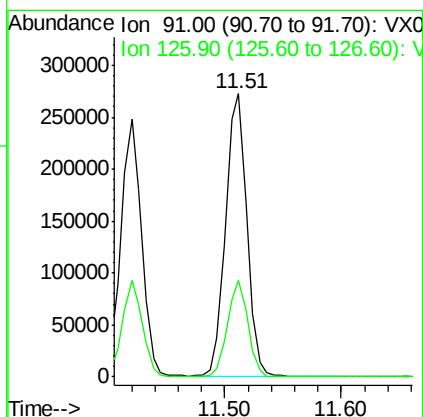
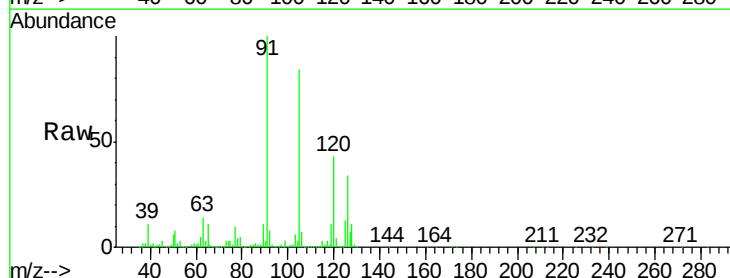
Acq: 04 Jan 2019 17:51

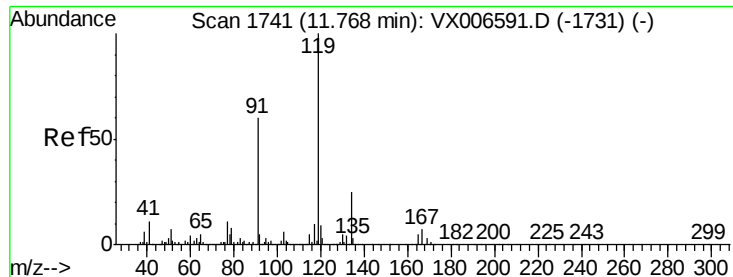
Tgt Ion: 91 Resp: 345765

Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.9





#83

tert-Butylbenzene

Concen: 19.582 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampled :

VX0104WBSD01

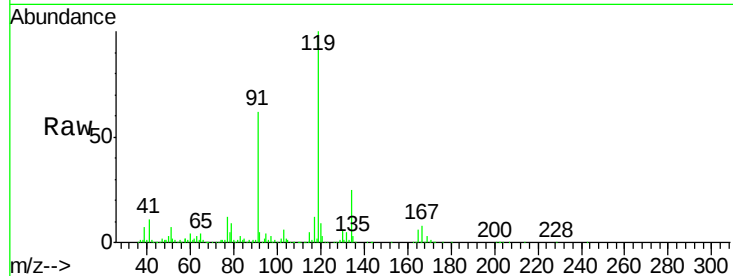
Tot Ion:119 Resp: 378138

Ion Ratio Lower Upper

119 100

91 56.2 27.7 83.1

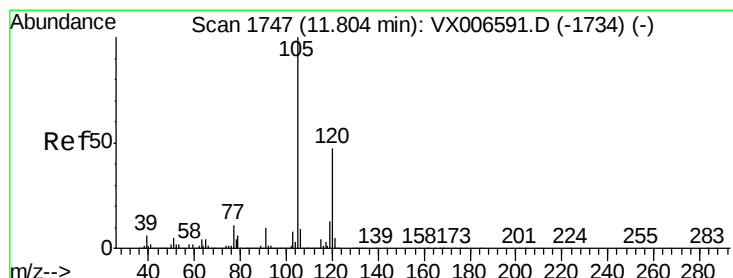
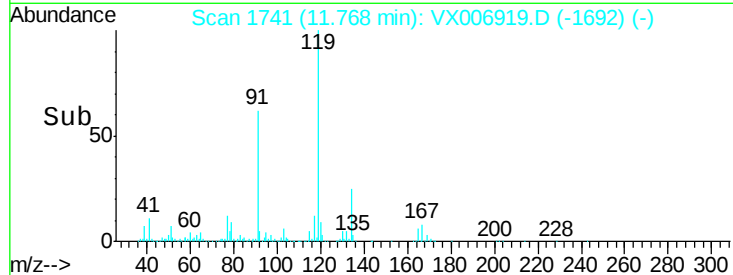
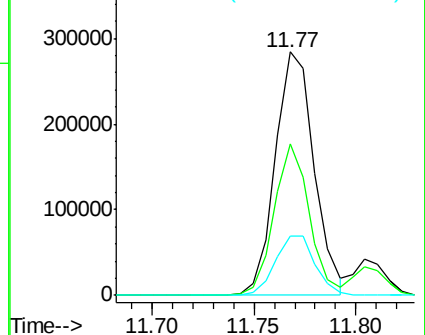
134 25.1 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.101 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006919.D

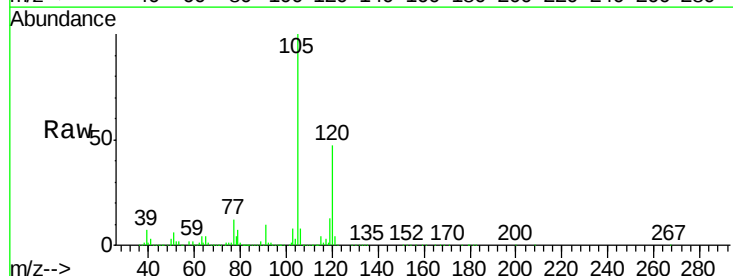
Acq: 04 Jan 2019 17:51

Tgt Ion:105 Resp: 387638

Ion Ratio Lower Upper

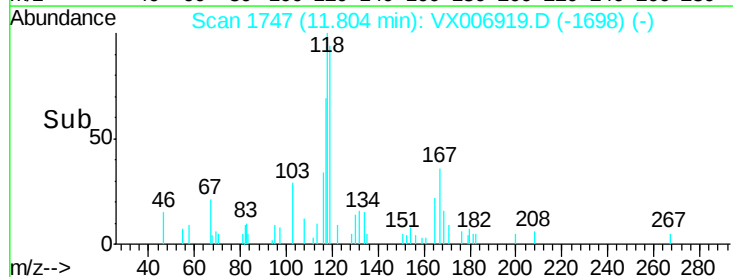
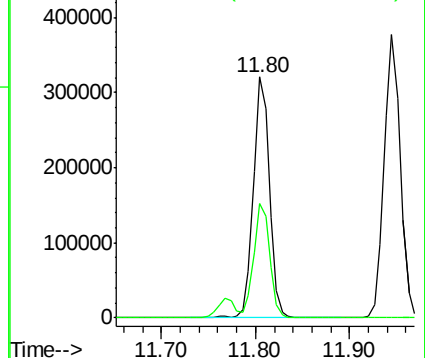
105 100

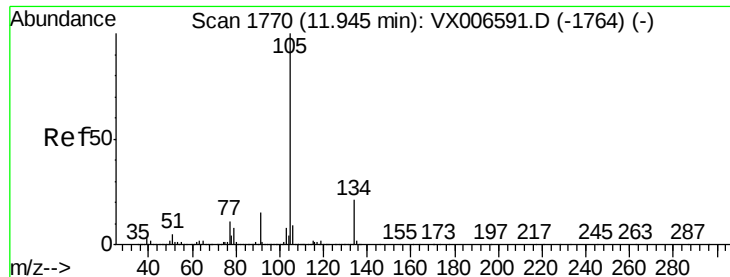
120 46.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.016 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

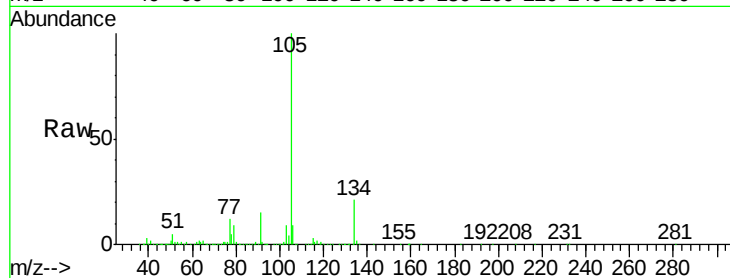
VX0104WBSD01

Tot Ion:105 Resp: 450201

Ion Ratio Lower Upper

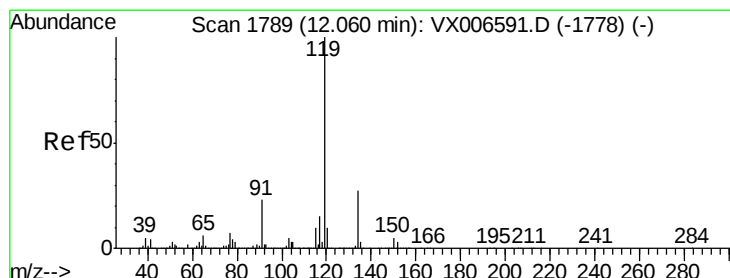
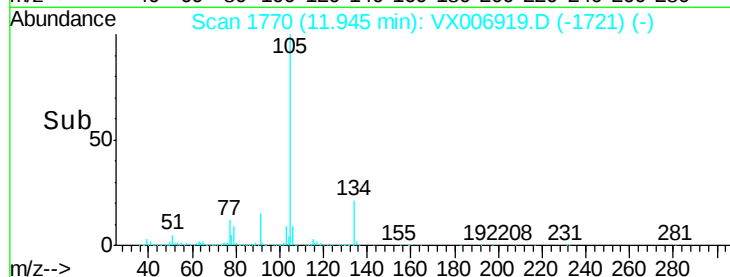
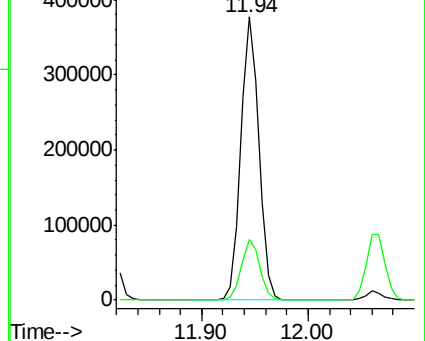
105 100

134 21.7 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: 19.411 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

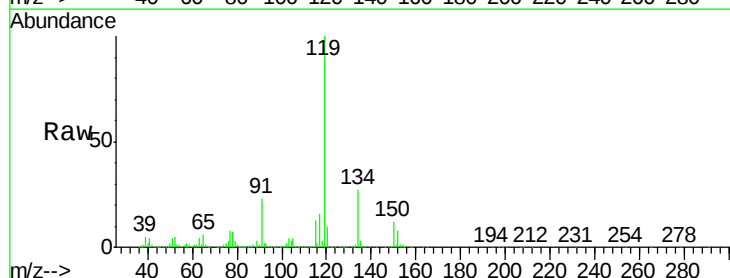
Tgt Ion:119 Resp: 403968

Ion Ratio Lower Upper

119 100

134 27.5 14.0 41.9

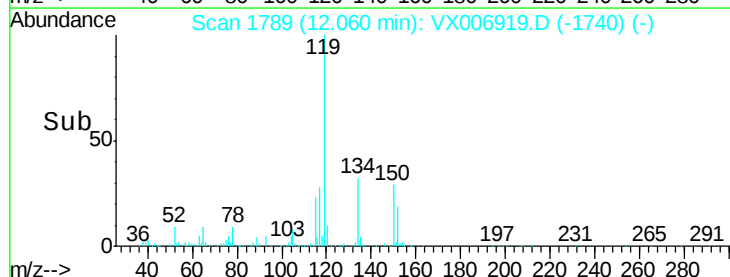
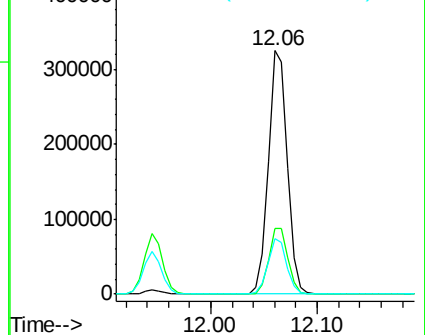
91 22.5 11.3 33.9

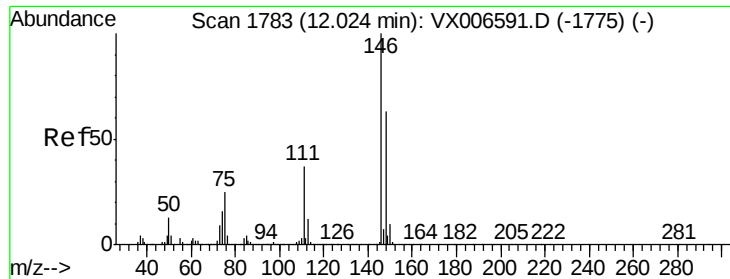


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

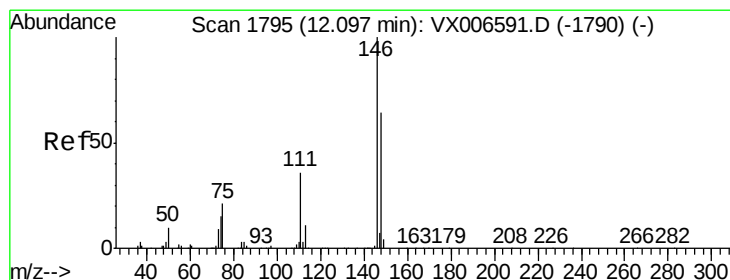
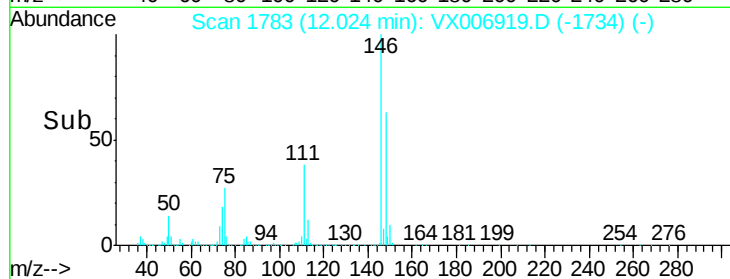
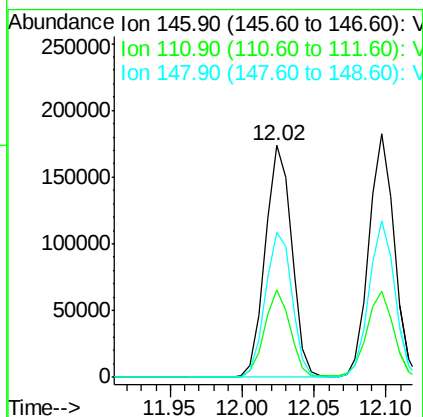
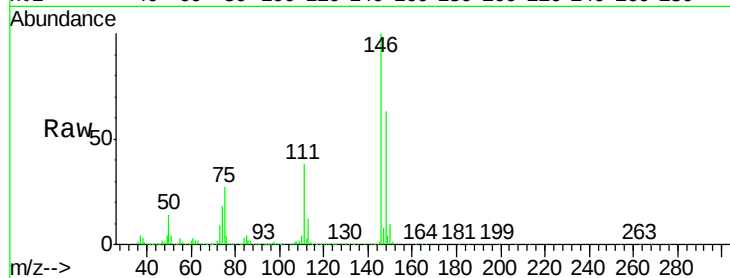




#87
 1,3-Dichlorobenzene
 Concen: 19.363 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

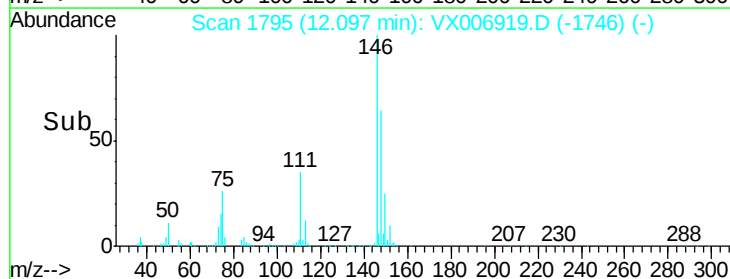
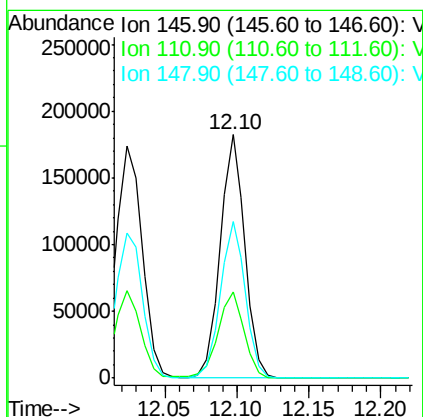
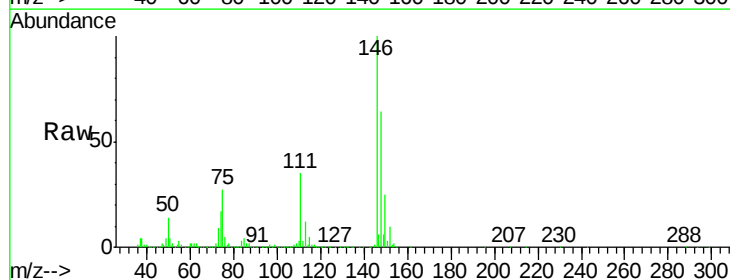
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	63.0	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.742 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	65.2	31.9	95.9

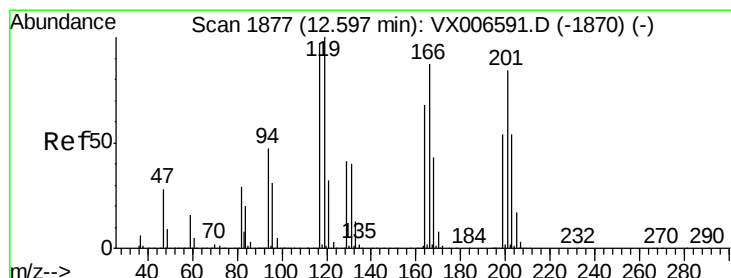
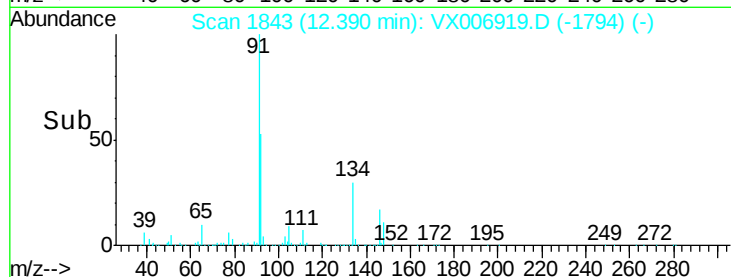
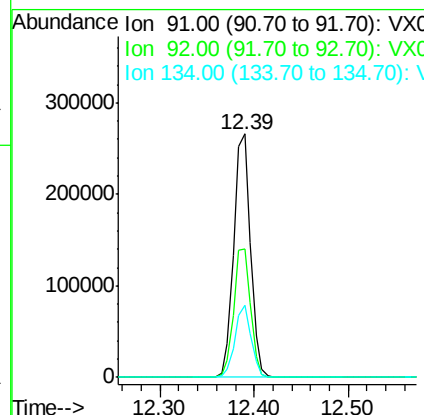
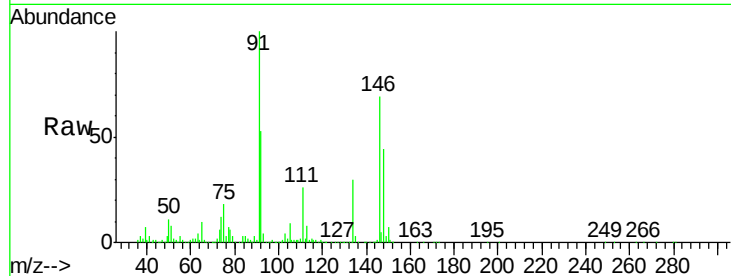




#89
n-Butylbenzene
Concen: 18.592 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

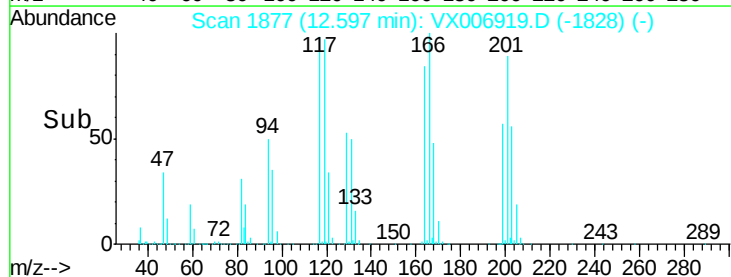
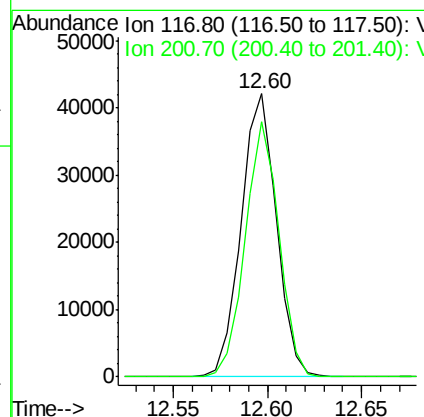
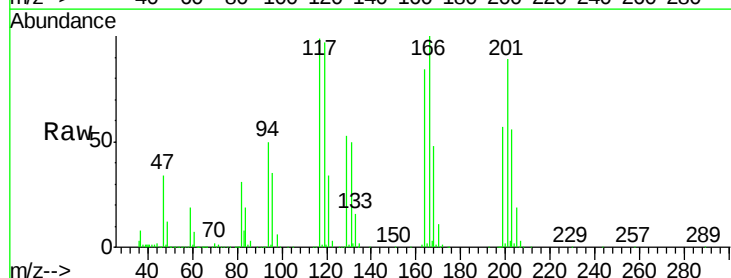
Instrument :
MSVOA_X
ClientSampled :
VX0104WBSD01

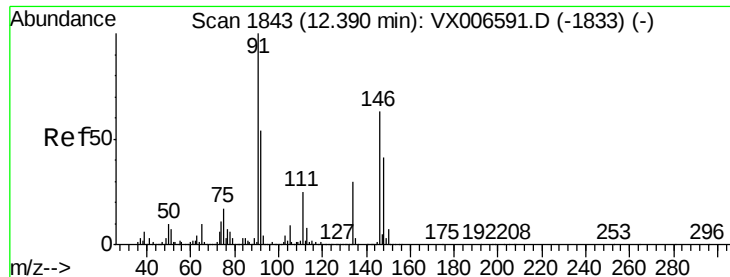
Tot Ion: 91 Resp: 329295
Ion Ratio Lower Upper
91 100
92 53.4 26.8 80.4
134 28.6 14.4 43.2



#90
Hexachloroethane
Concen: 18.976 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006919.D
Acq: 04 Jan 2019 17:51

Tgt Ion: 117 Resp: 54682
Ion Ratio Lower Upper
117 100
201 86.3 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 19.546 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

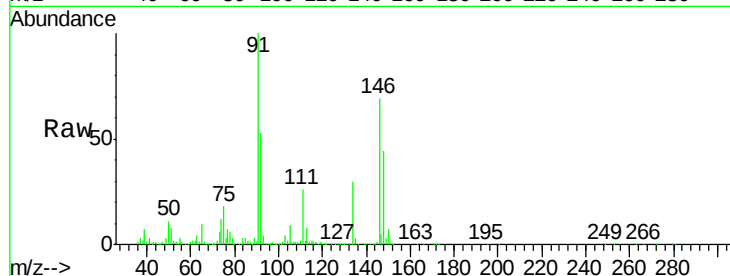
Tot Ion:146 Resp: 223161

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.2

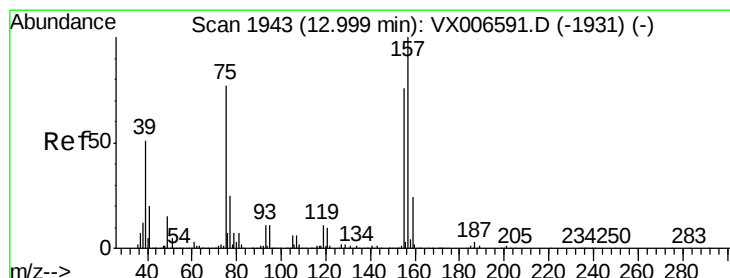
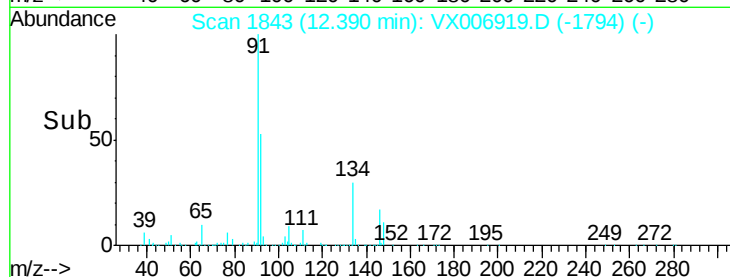
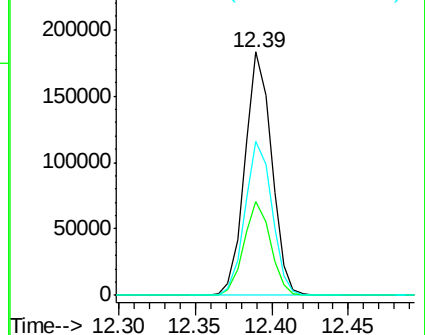
148 64.2 32.3 96.9



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: 19.675 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

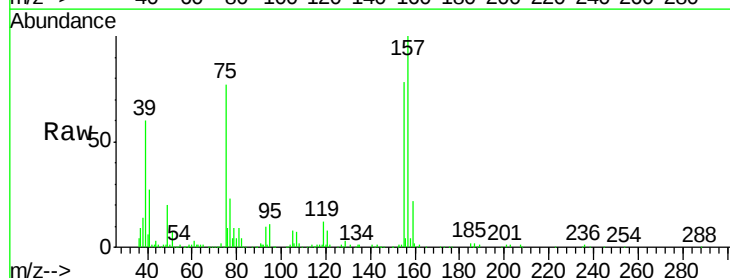
Tgt Ion: 75 Resp: 28361

Ion Ratio Lower Upper

75 100

155 101.5 50.6 151.8

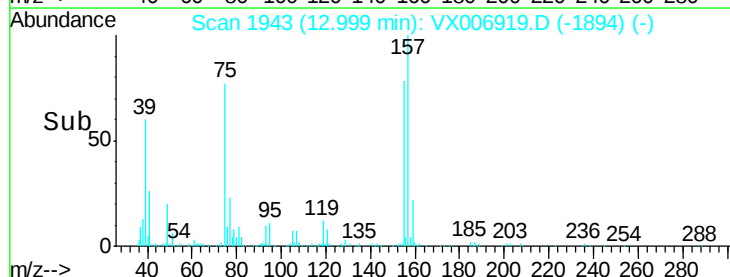
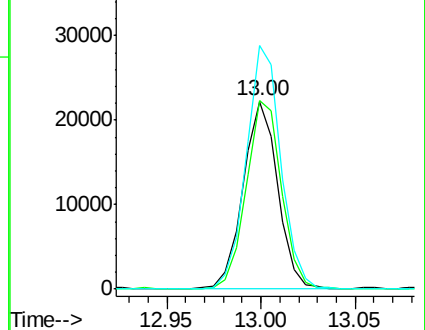
157 129.3 64.6 193.8

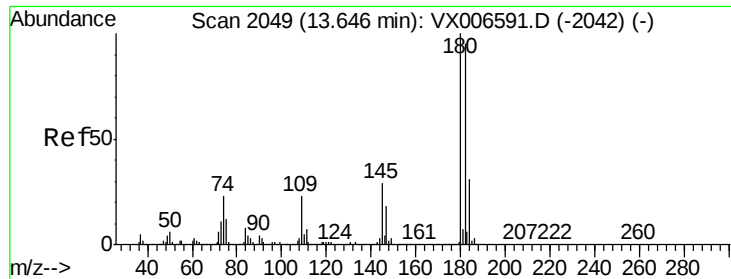


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

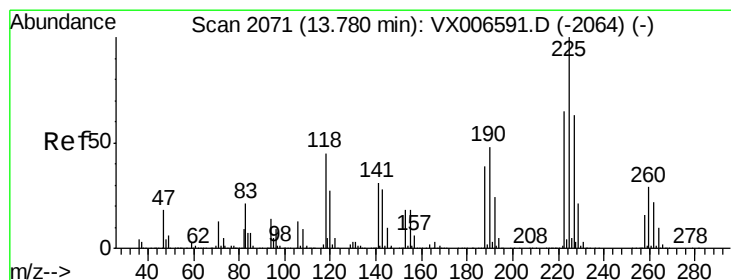
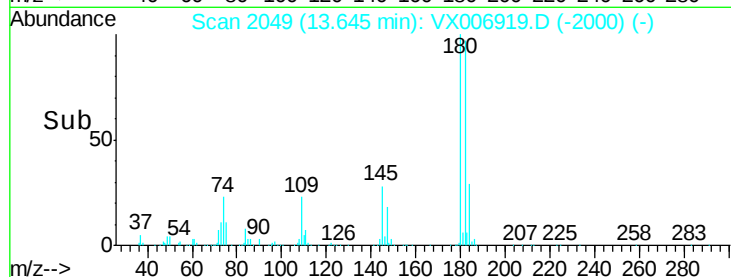
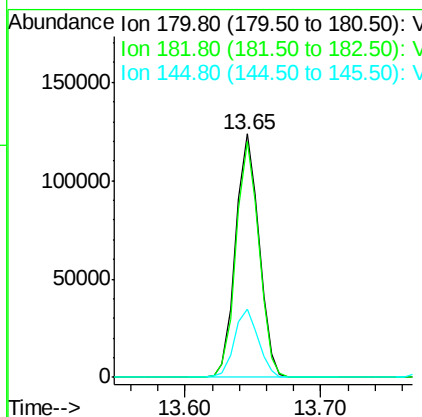
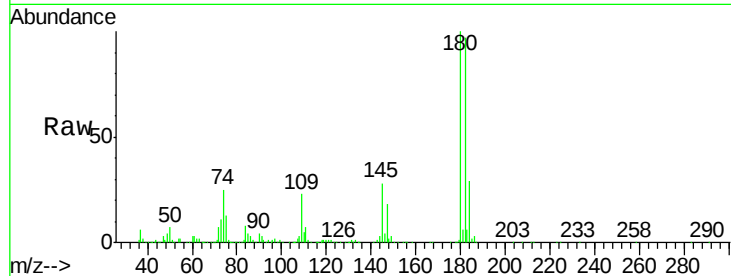




#93
 1,2,4-Trichlorobenzene
 Concen: 18.878 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

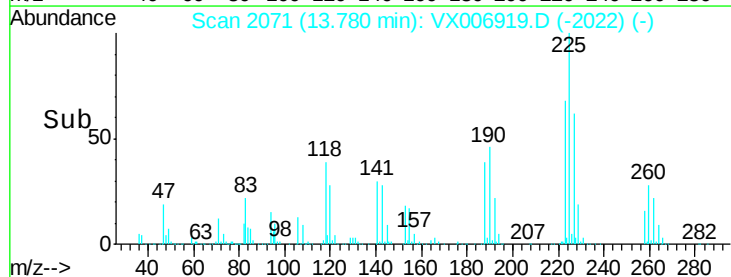
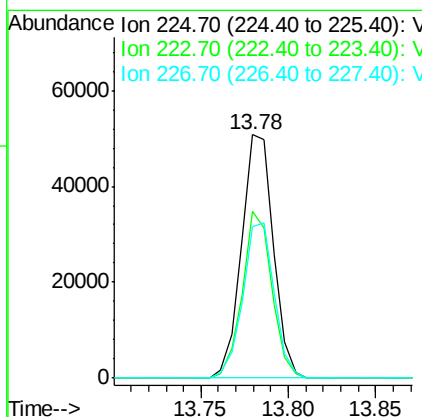
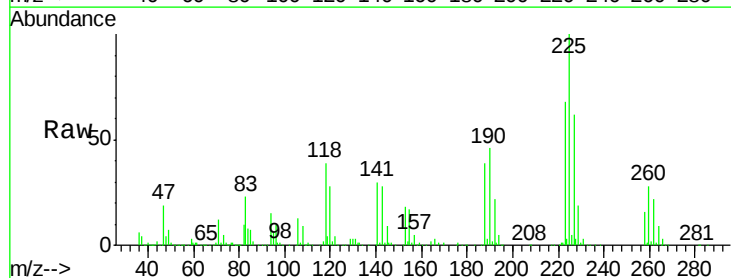
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBSD01

Tot Ion:180 Resp: 148680
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.3 142.0
 145 28.6 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 17.283 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006919.D
 Acq: 04 Jan 2019 17:51

Tgt Ion:225 Resp: 64156
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.1 96.3
 227 63.3 32.3 96.8





#95

Naphthalene

Concen: 18.807 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

VX0104WBSD01

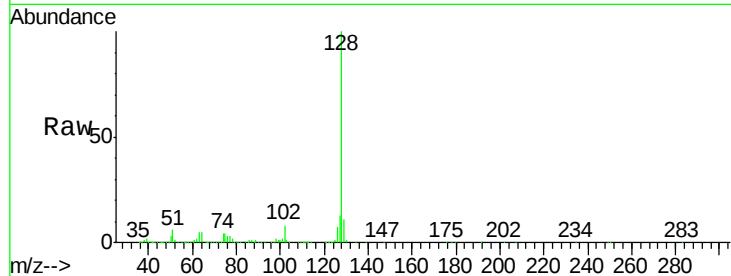
Tot Ion:128 Resp: 472735

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

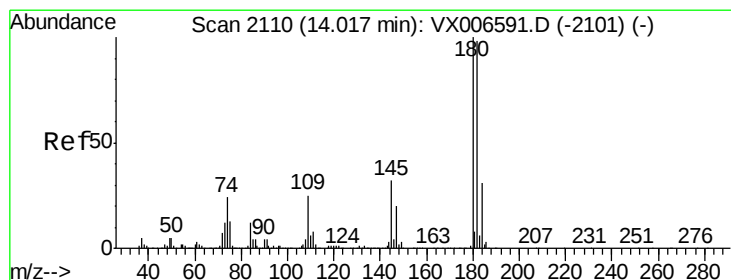
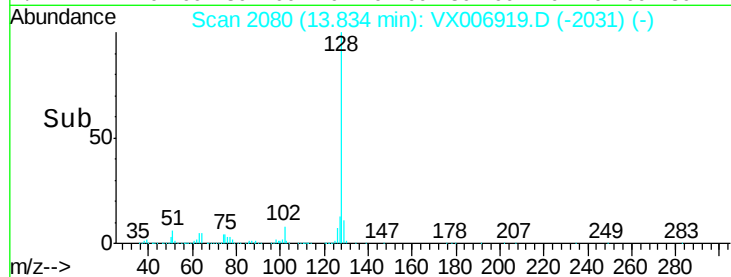
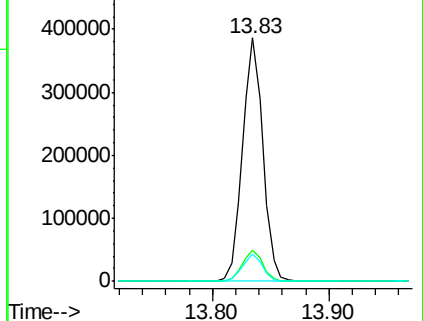
129 10.8 8.6 13.0



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: 18.621 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006919.D

Acq: 04 Jan 2019 17:51

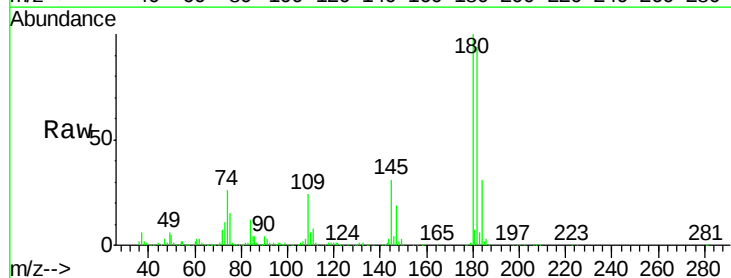
Tgt Ion:180 Resp: 151419

Ion Ratio Lower Upper

180 100

182 95.2 48.5 145.5

145 29.8 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

