

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011619\
 Data File : VX007069.D
 Acq On : 16 Jan 2019 12:07
 Operator : JC/SP
 Sample : VX0116WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

Quant Time: Jan 16 23:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	516899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	746680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	684977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	358392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	262594	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	5.50	113	237202	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	8.71	98	890683	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.13	95	325807	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	89679	21.127	ug/l	100
3) Chloromethane	1.33	50	101292	20.498	ug/l	96
4) Vinyl Chloride	1.41	62	104885	19.732	ug/l	96
5) Bromomethane	1.64	94	109971	19.364	ug/l	97
6) Chloroethane	1.72	64	68389	18.426	ug/l	94
7) Trichlorofluoromethane	1.93	101	171623	19.982	ug/l	98
8) Diethyl Ether	2.19	74	64887	18.990	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	104496	20.322	ug/l	98
10) Methyl Iodide	2.51	142	139275	20.080	ug/l	98
11) Tert butyl alcohol	3.07	59	125477	98.467	ug/l	99
12) 1,1-Dichloroethene	2.37	96	90532	19.057	ug/l	98
13) Acrolein	2.29	56	64914	119.741	ug/l	99
14) Allyl chloride	2.73	41	156240	19.190	ug/l	98
15) Acrylonitrile	3.15	53	290134	99.180	ug/l	99
16) Acetone	2.45	43	257663	96.482	ug/l	98
17) Carbon Disulfide	2.57	76	208723	17.065	ug/l	100
18) Methyl Acetate	2.78	43	154754	20.010	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	324417	19.675	ug/l	98
20) Methylene Chloride	2.85	84	106604	20.655	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	98971	18.694	ug/l	98
22) Diisopropyl ether	3.87	45	297481	19.435	ug/l	98
23) Vinyl Acetate	3.82	43	1239585	96.030	ug/l	97
24) 1,1-Dichloroethane	3.70	63	176768	20.653	ug/l	98
25) 2-Butanone	4.70	43	379090	99.206	ug/l	98
26) 2,2-Dichloropropane	4.58	77	122304	18.583	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	111138	19.032	ug/l	98
28) Bromochloromethane	5.02	49	75789	20.211	ug/l	93
29) Tetrahydrofuran	5.15	42	241453	97.230	ug/l	98
30) Chloroform	5.21	83	177340	19.790	ug/l	98
31) Cyclohexane	5.58	56	148101	19.442	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	146690	19.313	ug/l	98
36) 1,1-Dichloropropene	5.80	75	128445	19.786	ug/l	98
37) Ethyl Acetate	4.85	43	137860	19.808	ug/l	100
38) Carbon Tetrachloride	5.77	117	130114	19.921	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011619\
 Data File : VX007069.D
 Acq On : 16 Jan 2019 12:07
 Operator : JC/SP
 Sample : VX0116WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

Quant Time: Jan 16 23:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	166682	20.140	ug/l	97
40) Benzene	6.14	78	395987	19.991	ug/l	100
41) Methacrylonitrile	5.06	41	77734	19.388	ug/l	98
42) 1,2-Dichloroethane	6.20	62	136160	19.892	ug/l	100
43) Isopropyl Acetate	6.46	43	220515	20.087	ug/l	99
44) Trichloroethene	7.21	130	117928	19.867	ug/l	99
45) 1,2-Dichloropropane	7.51	63	98486	19.777	ug/l	99
46) Dibromomethane	7.66	93	70011	20.004	ug/l	98
47) Bromodichloromethane	7.90	83	117965	19.802	ug/l	98
48) Methyl methacrylate	7.77	41	113967	20.215	ug/l	96
49) 1,4-Dioxane	7.75	88	55578	426.765	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	744336	105.502	ug/l	99
52) Toluene	8.78	92	259012	20.344	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	128365	19.432	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	143872	19.722	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	109086	21.406	ug/l	98
56) Ethyl methacrylate	9.18	69	151708	20.392	ug/l	96
57) 1,3-Dichloropropane	9.37	76	171003	20.483	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	359765	94.055	ug/l	100
59) 2-Hexanone	9.49	43	563381	104.787	ug/l	98
60) Dibromochloromethane	9.59	129	102000	20.613	ug/l	98
61) 1,2-Dibromoethane	9.67	107	114047	20.329	ug/l	100
64) Tetrachloroethene	9.34	164	120922	20.390	ug/l	98
65) Chlorobenzene	10.13	112	305037	20.418	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	100358	19.969	ug/l	99
67) Ethyl Benzene	10.25	91	495825	20.103	ug/l	99
68) m/p-Xylenes	10.36	106	397802	40.938	ug/l	99
69) o-Xylene	10.69	106	193253	20.393	ug/l	98
70) Styrene	10.71	104	305468	20.352	ug/l	98
71) Bromoform	10.85	173	72009	19.228	ug/l #	98
73) Isopropylbenzene	11.02	105	516380	20.433	ug/l	99
74) N-amyl acetate	10.90	43	195867	19.250	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	157174	19.591	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	169089	23.282	ug/l	95
77) Bromobenzene	11.26	156	138632	19.909	ug/l	98
78) n-propylbenzene	11.36	91	575327	20.738	ug/l	99
79) 2-Chlorotoluene	11.42	91	338417	20.264	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	430570	20.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	37109	18.036	ug/l	93
82) 4-Chlorotoluene	11.51	91	392711	20.310	ug/l	100
83) tert-Butylbenzene	11.77	119	424367	20.142	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	438577	20.654	ug/l	99
85) sec-Butylbenzene	11.94	105	529998	21.064	ug/l	100
86) p-Isopropyltoluene	12.06	119	468382	20.811	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	252452	20.058	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	249301	20.990	ug/l	99
89) n-Butylbenzene	12.38	91	394853	20.581	ug/l	99
90) Hexachloroethane	12.60	117	66573	20.359	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	245364	19.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29520	18.604	ug/l	98

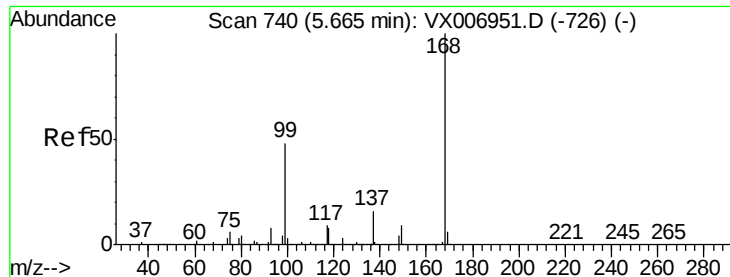
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011619\
Data File : VX007069.D
Acq On : 16 Jan 2019 12:07
Operator : JC/SP
Sample : VX0116WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

Quant Time: Jan 16 23:57:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	168989	19.831	ug/l	99
94) Hexachlorobutadiene	13.78	225	80440	21.272	ug/l	99
95) Naphthalene	13.83	128	514315	19.918	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	169514	20.025	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

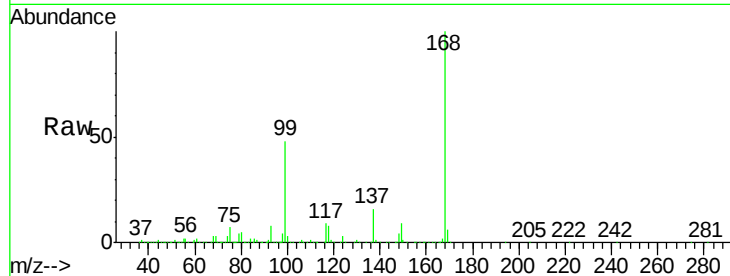
VX0116WBS01

Tot Ion:168 Resp: 516899

Ion Ratio Lower Upper

168 100

99 48.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

150000

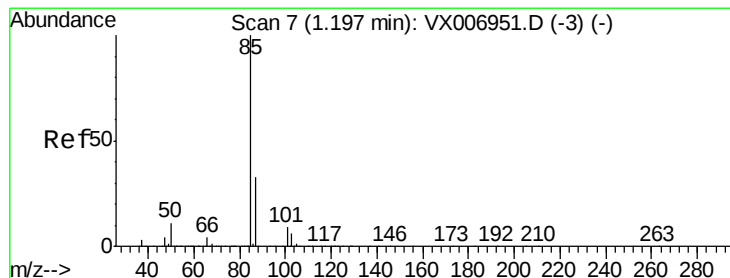
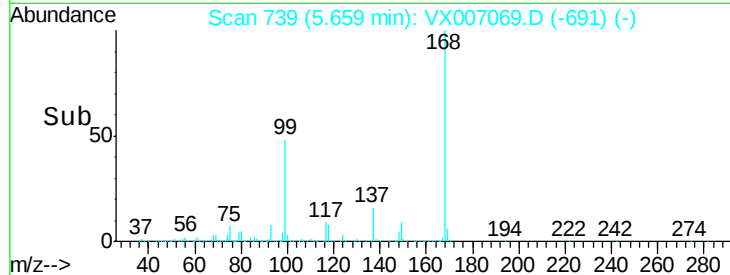
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.127 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007069.D

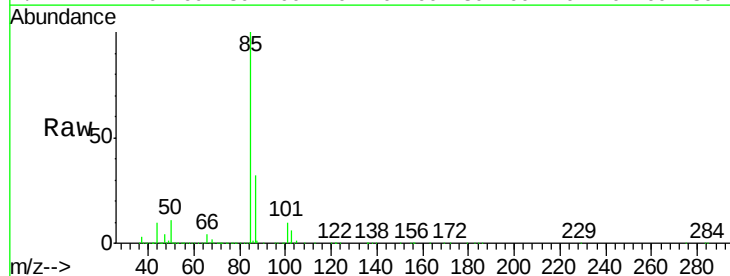
Acq: 16 Jan 2019 12:07

Tgt Ion: 85 Resp: 89679

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

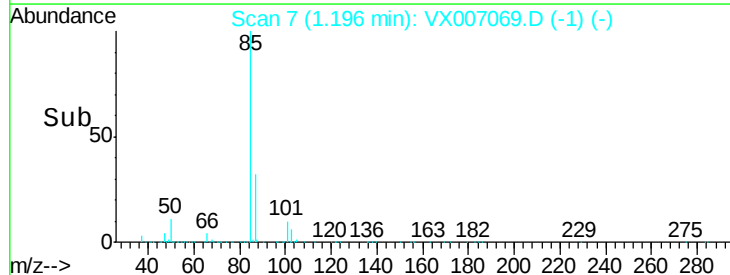
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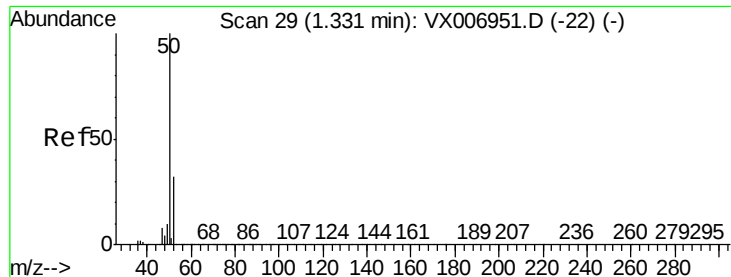
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.498 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

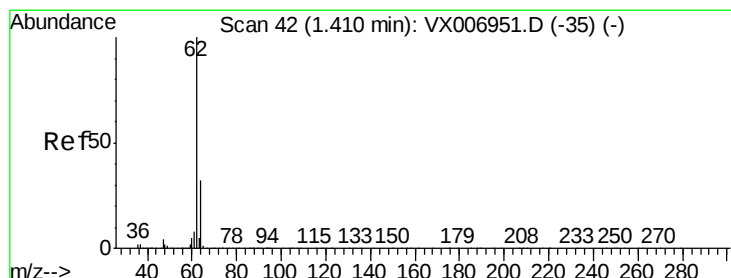
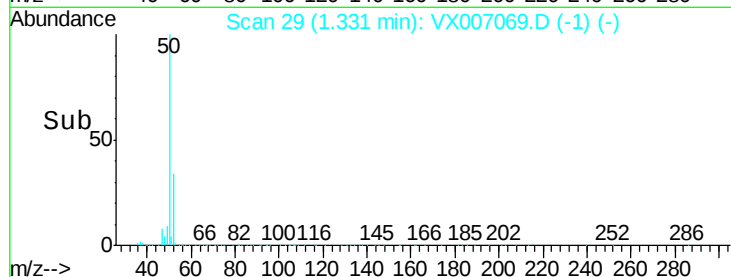
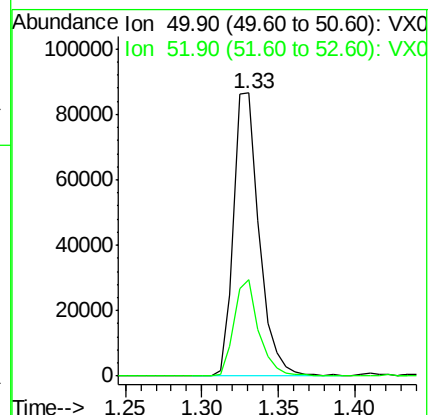
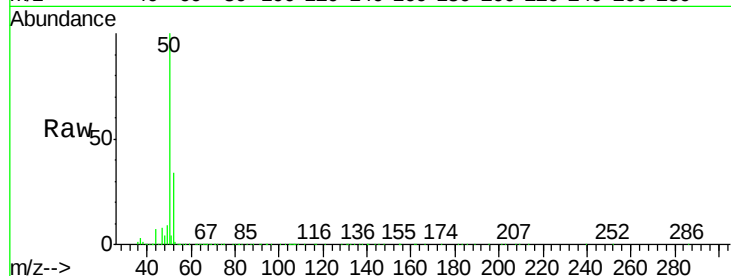
VX0116WBS01

Tot Ion: 50 Resp: 101292

Ion Ratio Lower Upper

50 100

52 34.0 25.4 38.2



#4

Vinyl Chloride

Concen: 19.732 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007069.D

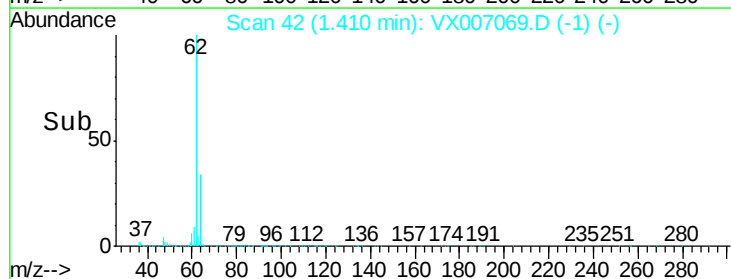
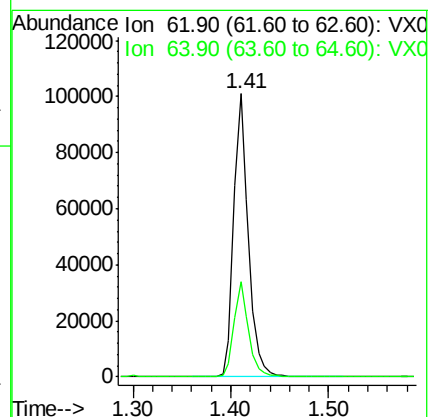
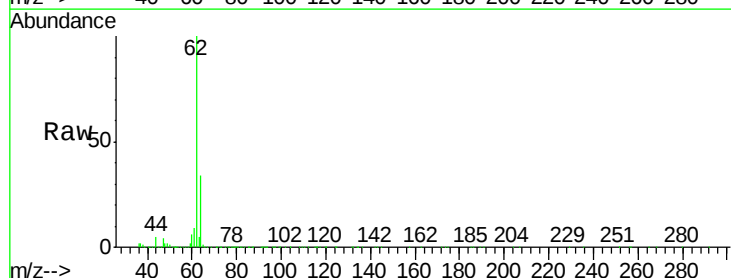
Acq: 16 Jan 2019 12:07

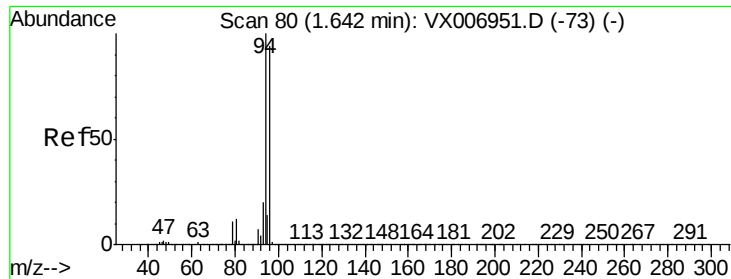
Tgt Ion: 62 Resp: 104885

Ion Ratio Lower Upper

62 100

64 33.5 25.1 37.7





#5

Bromomethane

Concen: 19.364 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

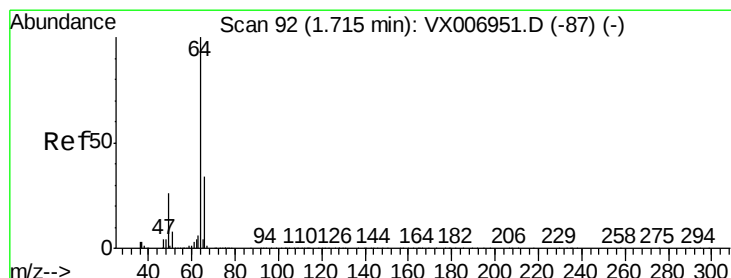
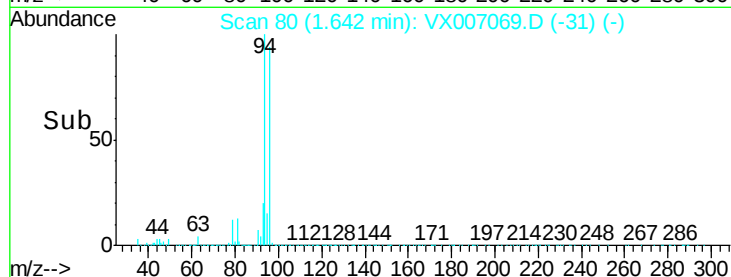
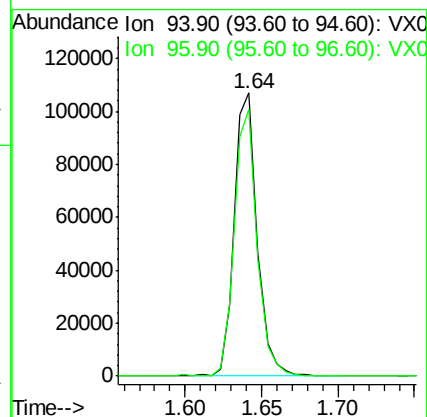
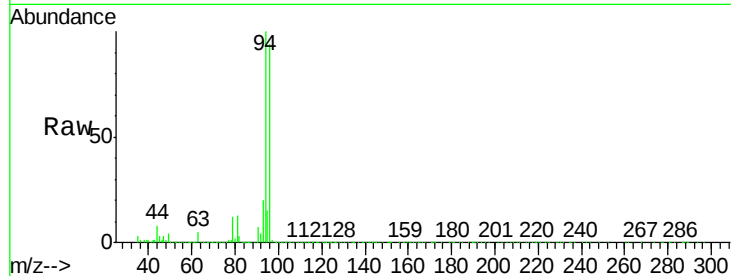
VX0116WBS01

Tot Ion: 94 Resp: 109971

Ion Ratio Lower Upper

94 100

96 94.4 73.4 110.2



#6

Chloroethane

Concen: 18.426 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007069.D

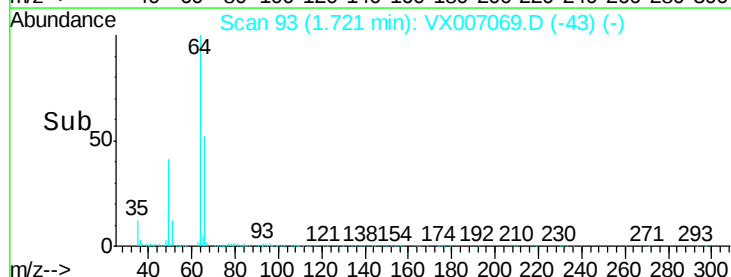
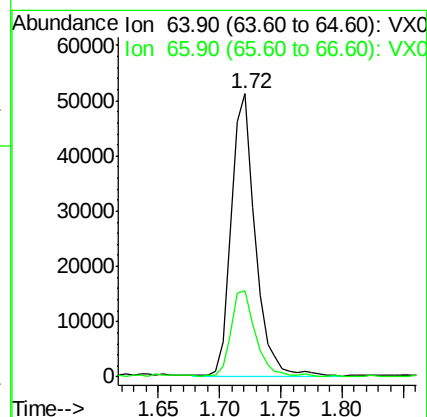
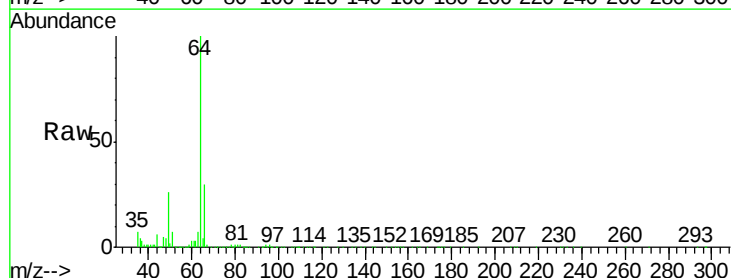
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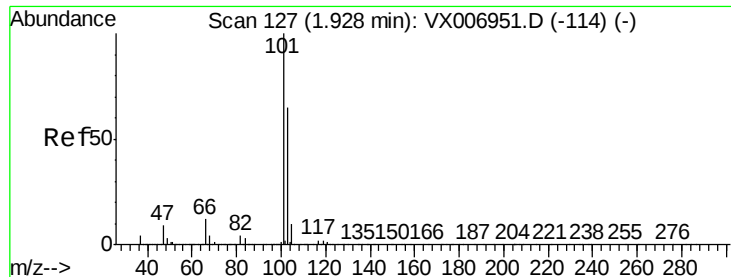
Tgt Ion: 64 Resp: 68389

Ion Ratio Lower Upper

64 100

66 29.9 26.4 39.6



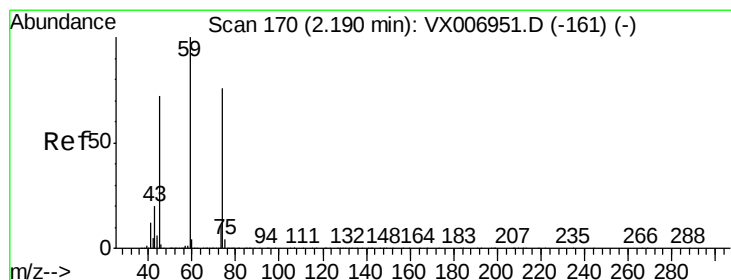
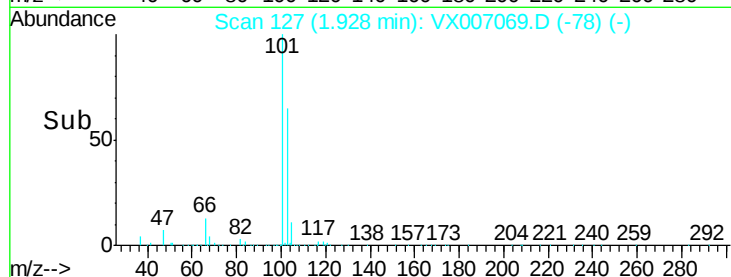
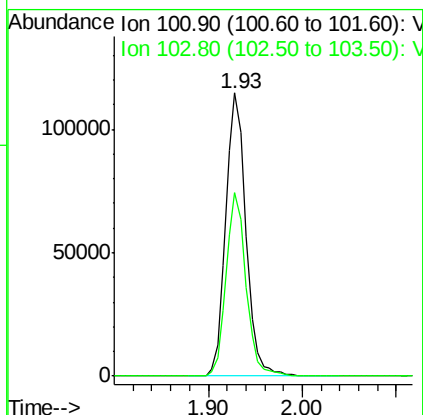
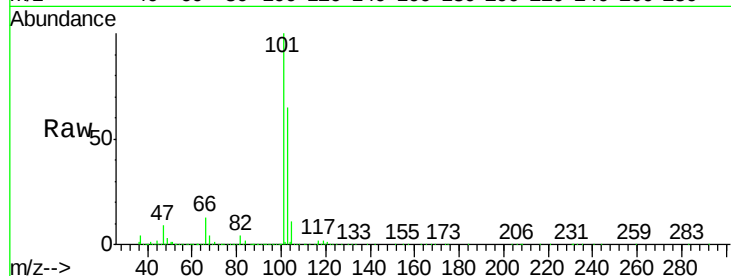


#7

Trichlorofluoromethane
Concen: 19.982 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Instrument :
MSVOA_X
ClientSampled :
VX0116WBS01

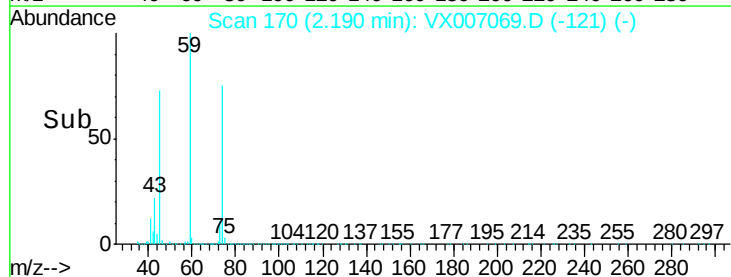
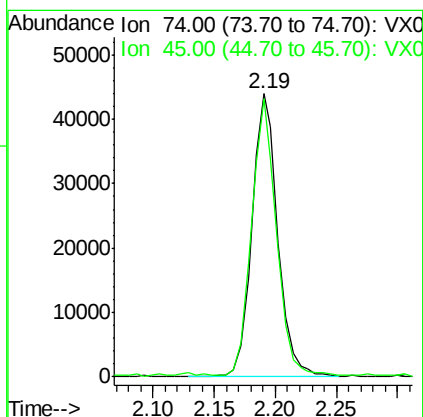
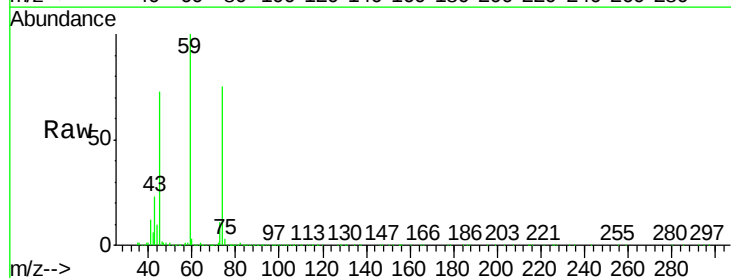
Tot Ion:101 Resp: 171623
Ion Ratio Lower Upper
101 100
103 64.9 53.2 79.8

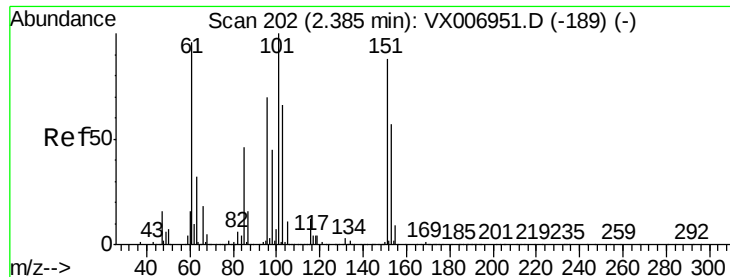


#8

Diethyl Ether
Concen: 18.990 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion: 74 Resp: 64887
Ion Ratio Lower Upper
74 100
45 93.5 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.322 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

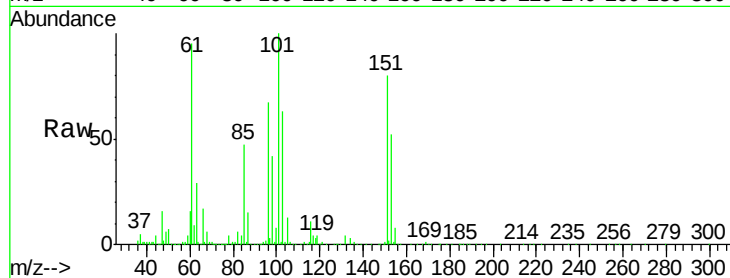
Tot Ion:101 Resp: 104496

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

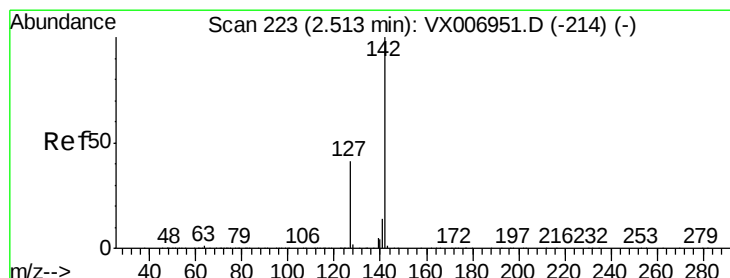
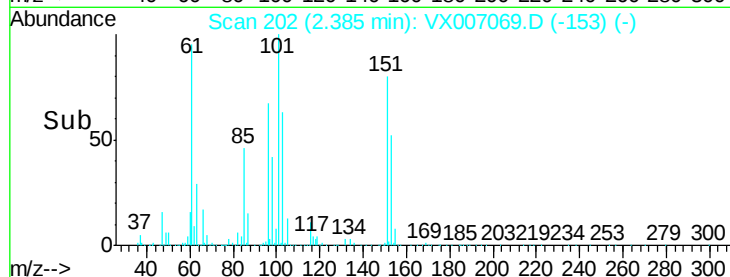
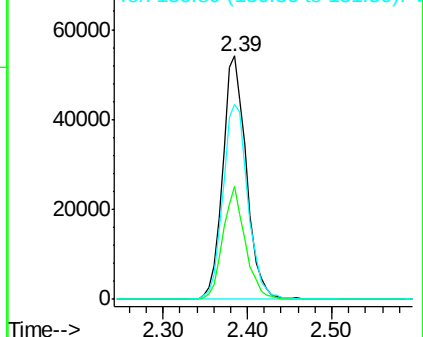
151 84.5 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.080 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

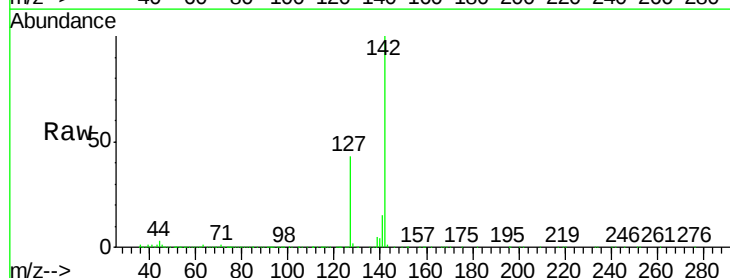
Tgt Ion:142 Resp: 139275

Ion Ratio Lower Upper

142 100

127 44.1 33.9 50.9

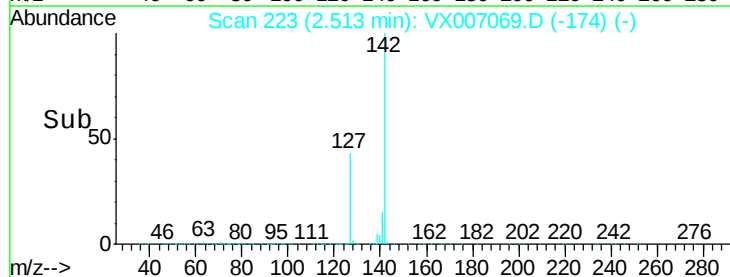
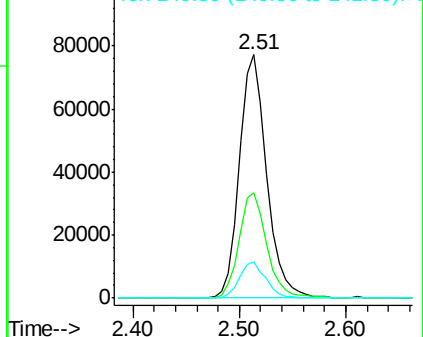
141 14.7 11.4 17.0

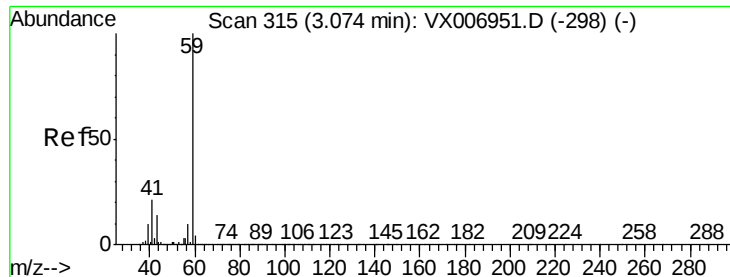


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



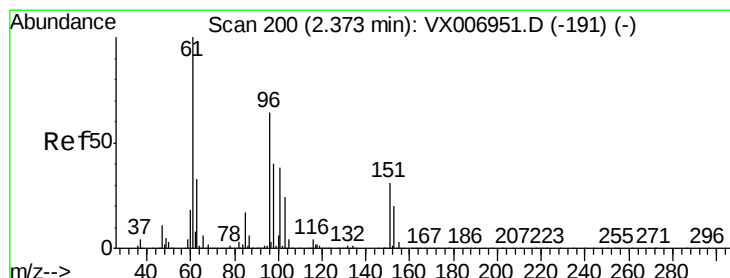
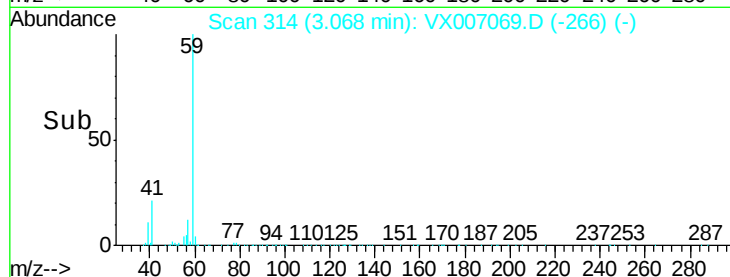
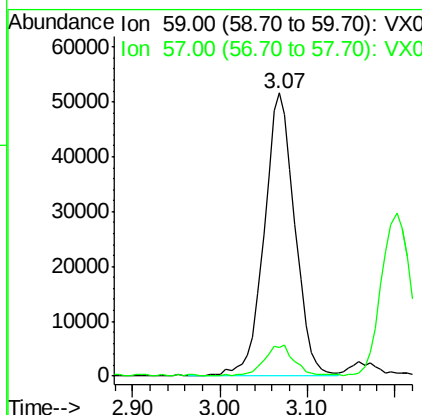
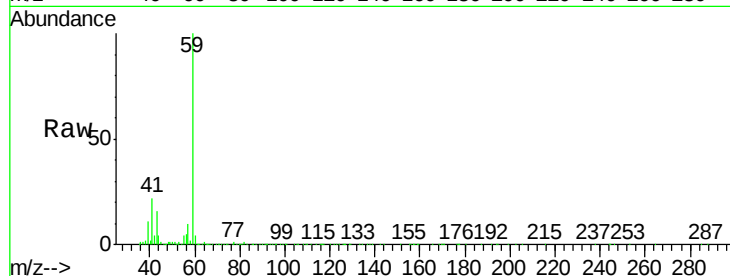


#11

Tert butyl alcohol
 Concen: 98.467 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

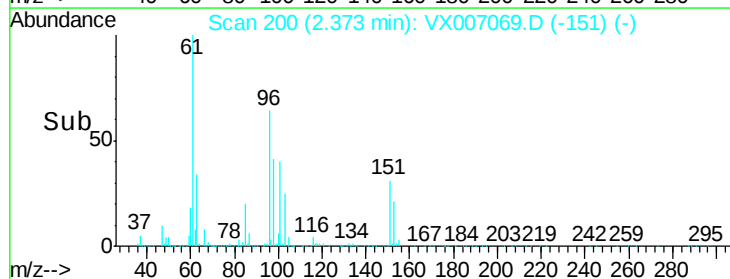
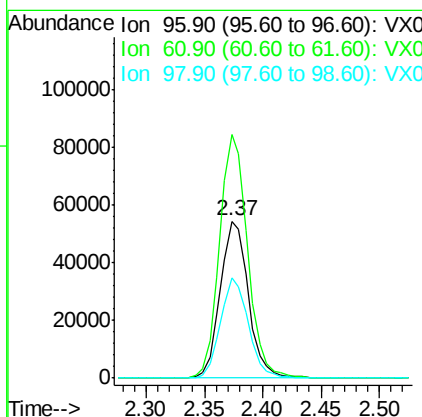
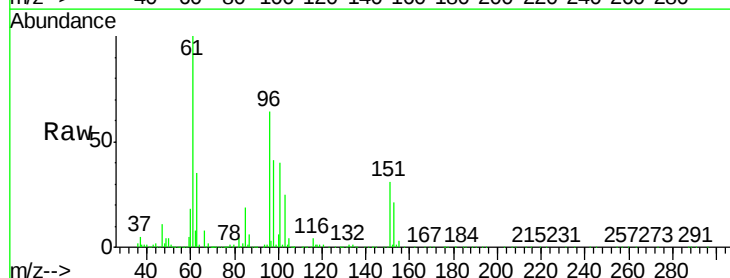
Tot Ion: 59 Resp: 125477
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

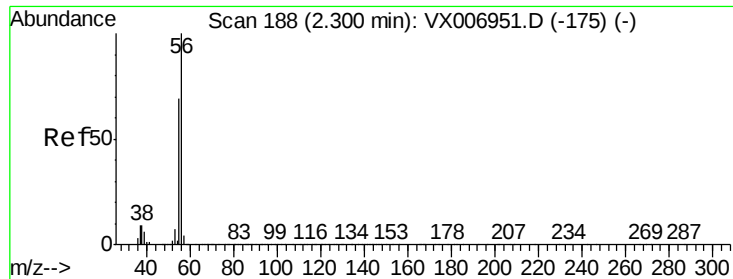


#12

1,1-Dichloroethene
 Concen: 19.057 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Tgt Ion: 96 Resp: 90532
 Ion Ratio Lower Upper
 96 100
 61 155.2 121.4 182.2
 98 64.3 51.9 77.9





#13

Acrolein

Concen: 119.741 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

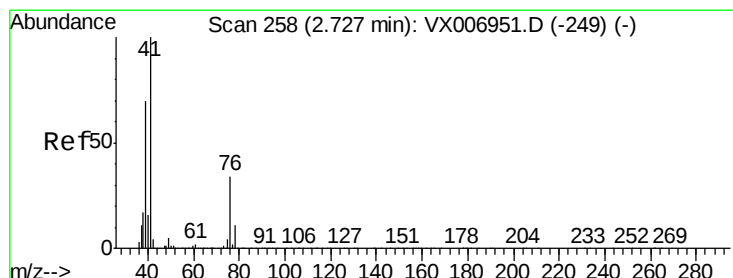
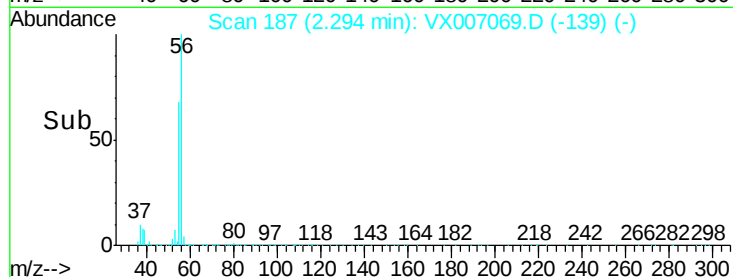
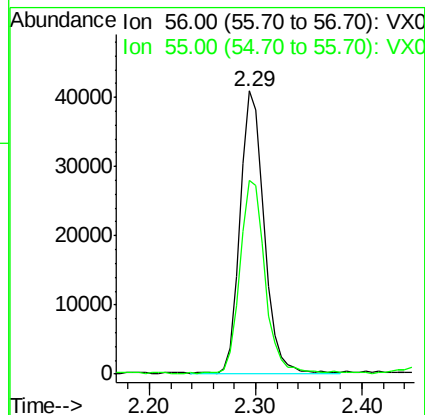
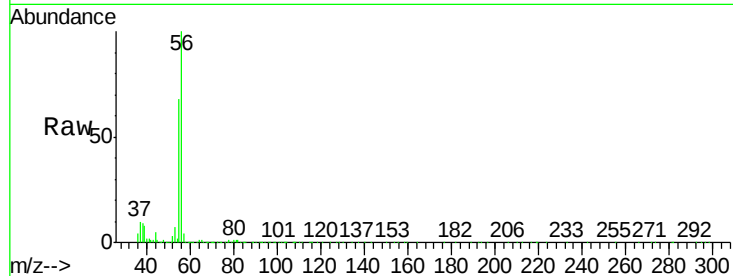
VX0116WBS01

Tot Ion: 56 Resp: 64914

Ion Ratio Lower Upper

56 100

55 71.7 58.2 87.4



#14

Allyl chloride

Concen: 19.190 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

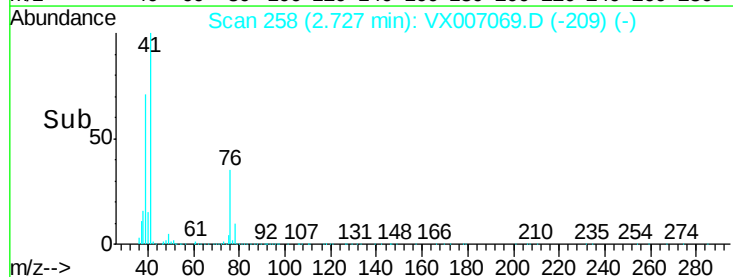
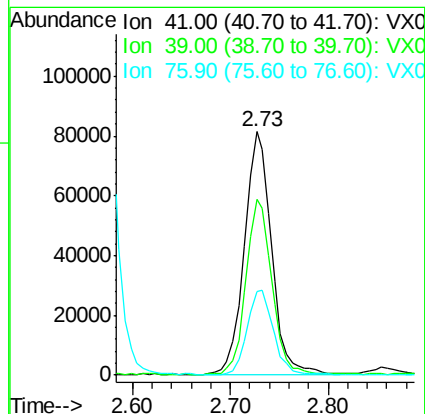
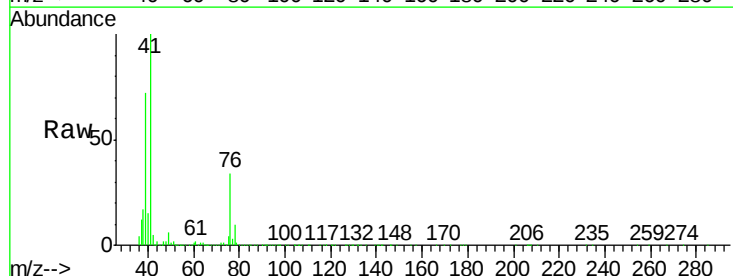
Tgt Ion: 41 Resp: 156240

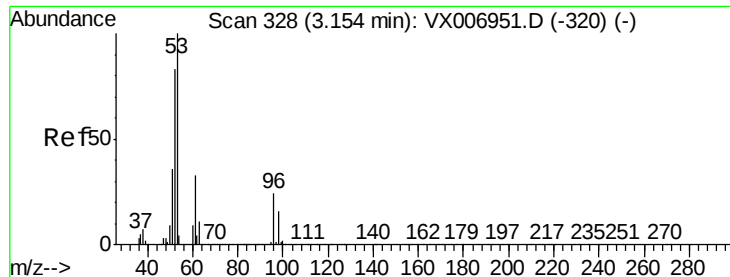
Ion Ratio Lower Upper

41 100

39 68.9 53.6 80.4

76 33.8 27.4 41.2





#15

Acrylonitrile

Concen: 99.180 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

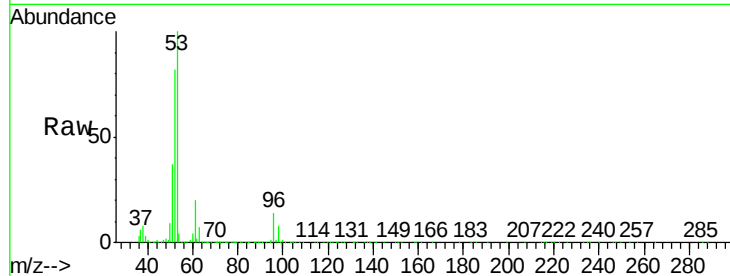
Tot Ion: 53 Resp: 290134

Ion Ratio Lower Upper

53 100

52 83.1 66.0 99.0

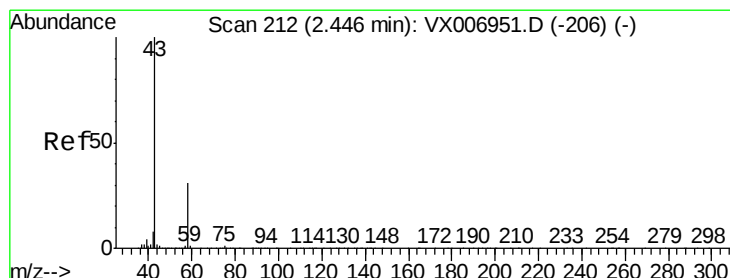
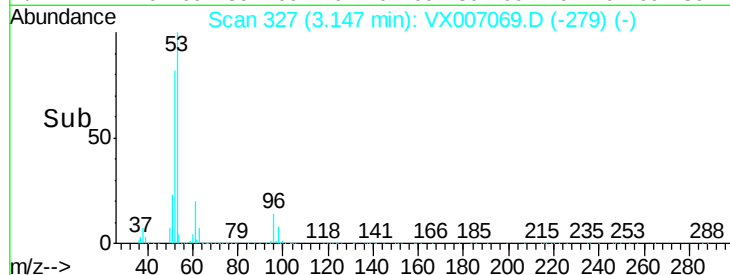
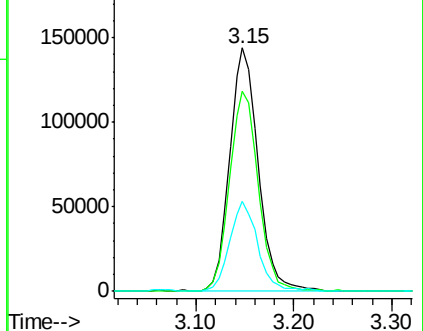
51 36.7 28.6 42.8



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: 96.482 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007069.D

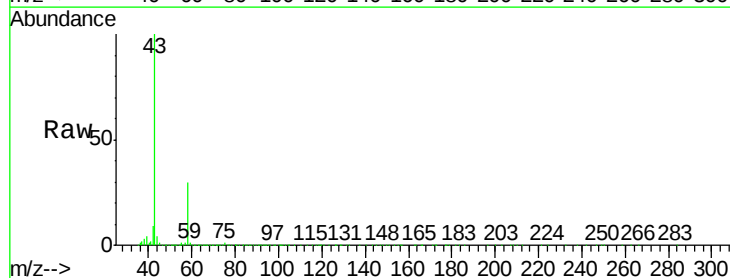
Acq: 16 Jan 2019 12:07

Tgt Ion: 43 Resp: 257663

Ion Ratio Lower Upper

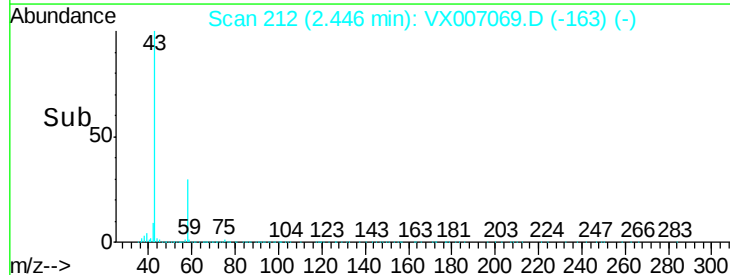
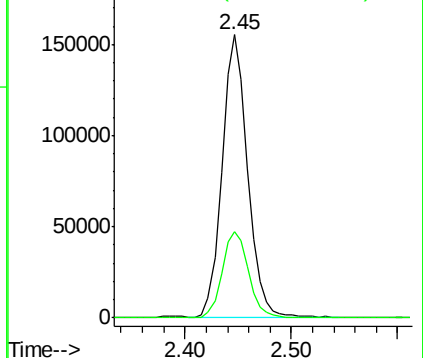
43 100

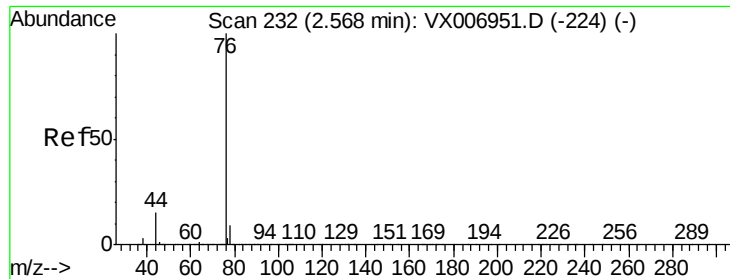
58 30.3 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.065 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

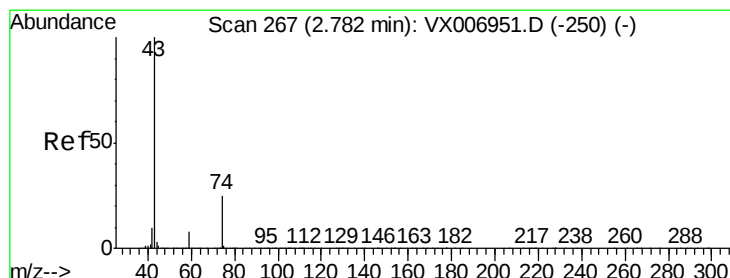
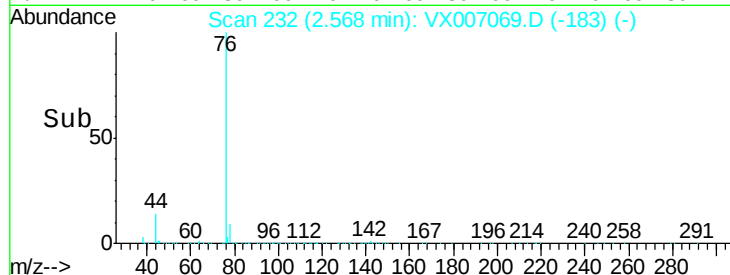
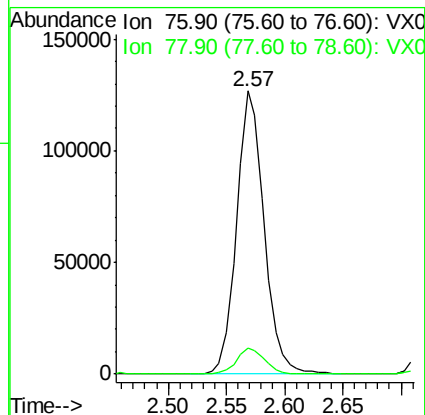
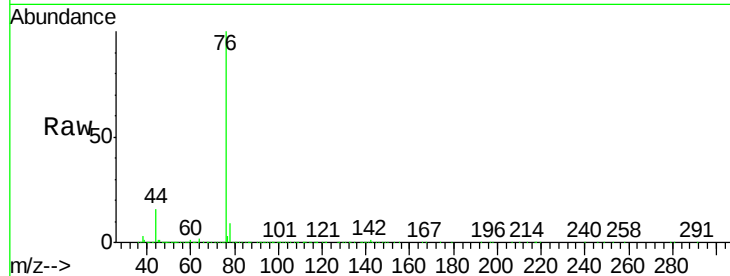
VX0116WBS01

Tot Ion: 76 Resp: 208723

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



#18

Methyl Acetate

Concen: 20.010 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007069.D

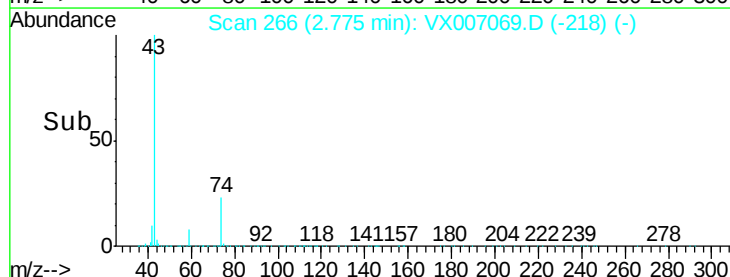
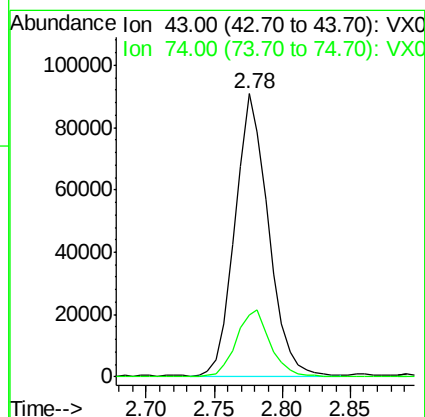
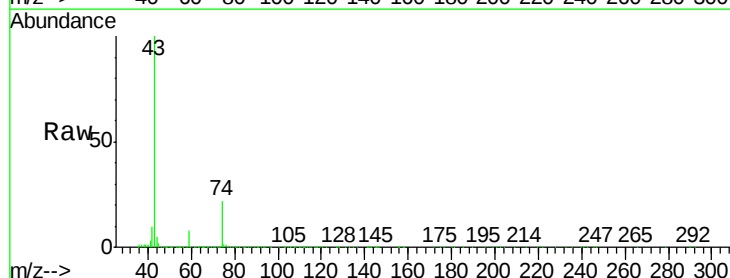
Acq: 16 Jan 2019 12:07

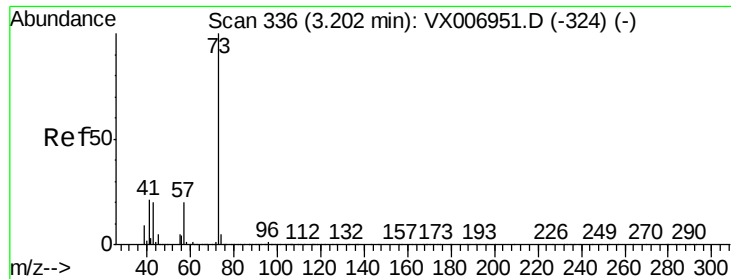
Tgt Ion: 43 Resp: 154754

Ion Ratio Lower Upper

43 100

74 24.2 18.6 28.0

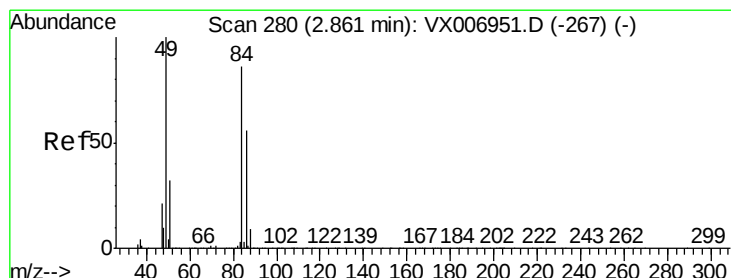
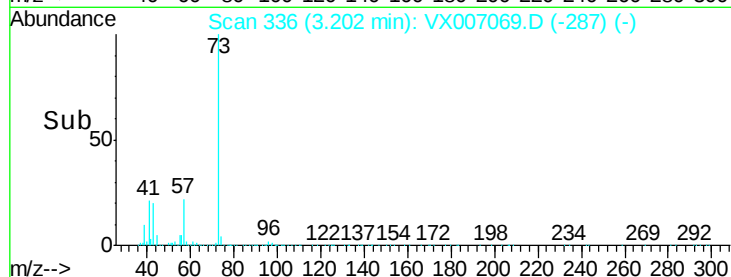
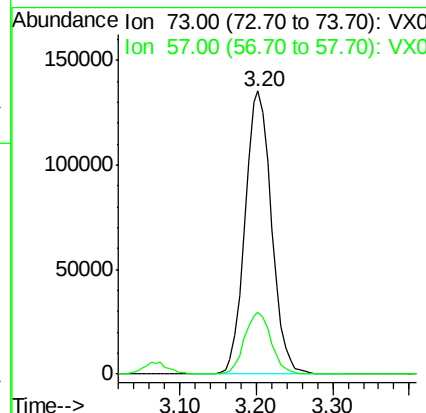
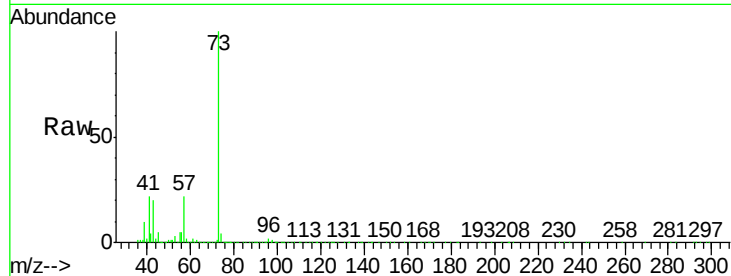




#19
Methvl tert-butvl Ether
Concen: 19.675 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

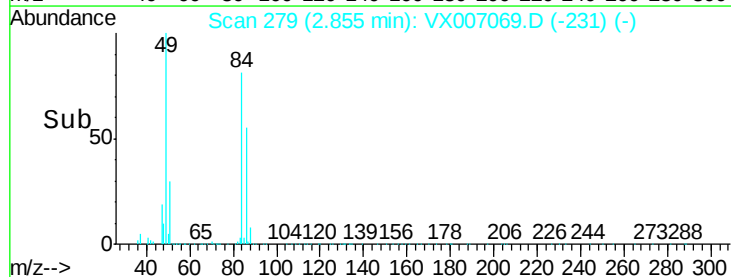
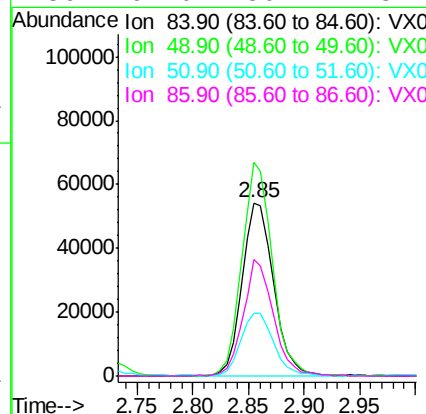
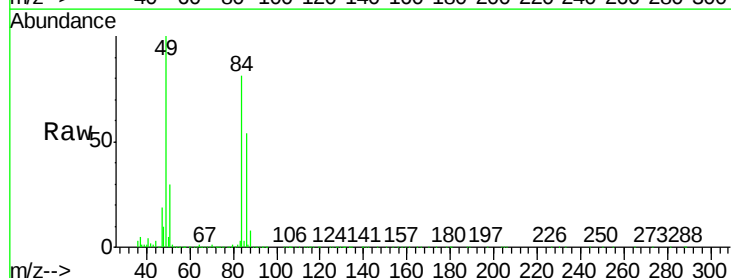
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

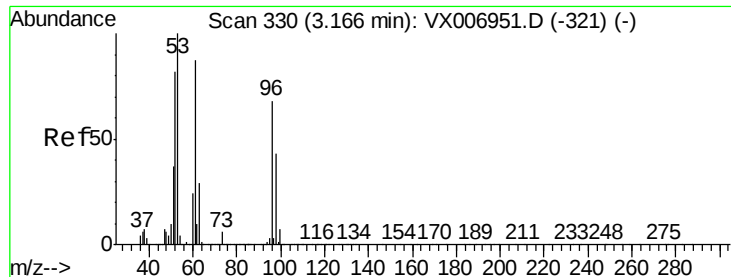
Tot Ion: 73 Resp: 324417
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2



#20
Methylene Chloride
Concen: 20.655 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion: 84 Resp: 106604
Ion Ratio Lower Upper
84 100
49 123.1 91.8 137.6
51 36.2 28.5 42.7
86 67.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.694 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

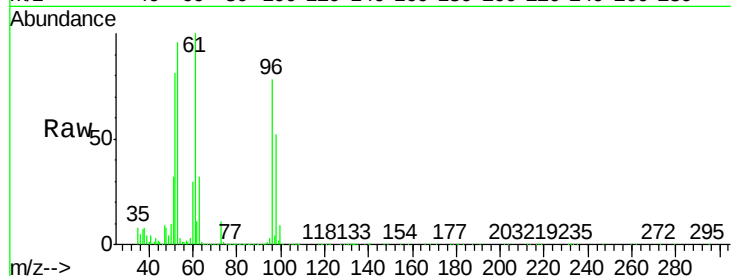
Tot Ion: 96 Resp: 98971

Ion Ratio Lower Upper

96 100

61 127.8 103.7 155.5

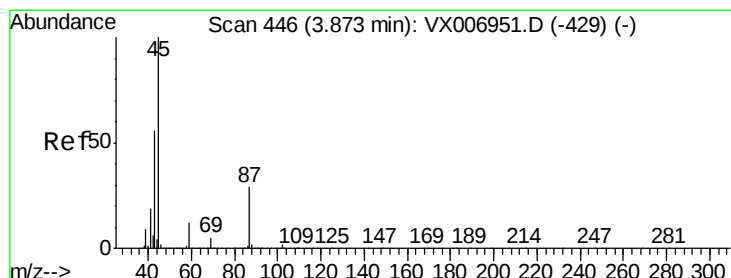
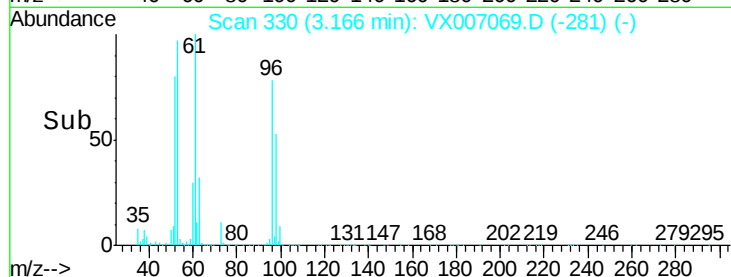
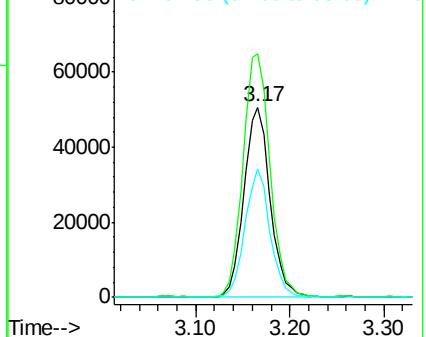
98 67.0 51.0 76.6



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: 19.435 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Tgt Ion: 45 Resp: 297481

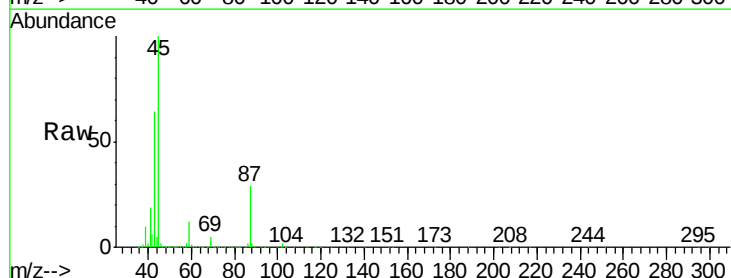
Ion Ratio Lower Upper

45 100

43 63.8 51.2 76.8

87 28.8 25.8 38.6

59 12.3 9.0 13.4

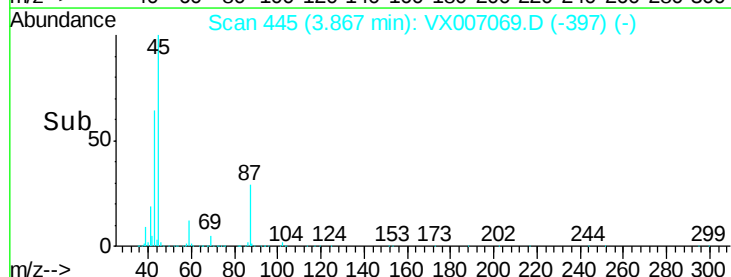
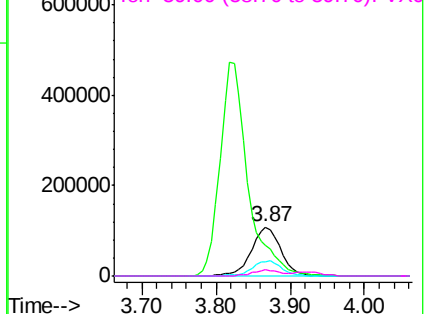


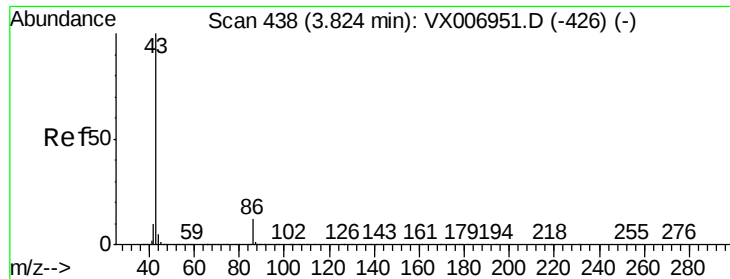
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 96.030 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

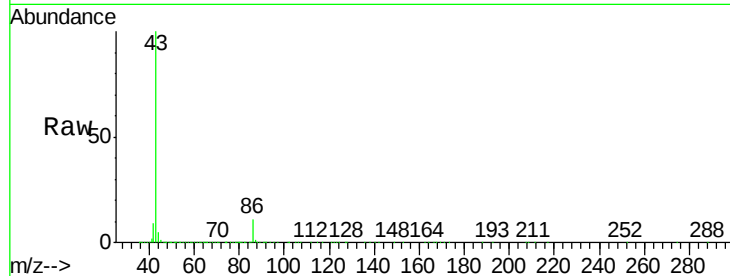
VX0116WBS01

Tot Ion: 43 Resp: 1239585

Ion Ratio Lower Upper

43 100

86 10.5 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

500000

400000

300000

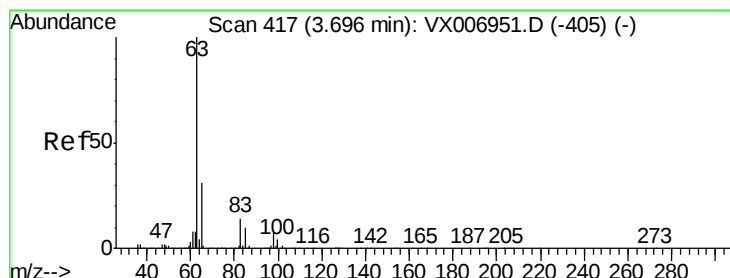
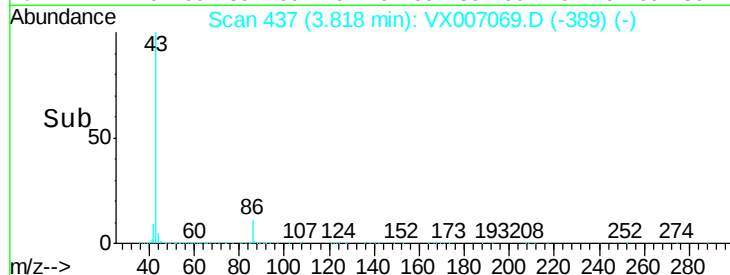
200000

100000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.653 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

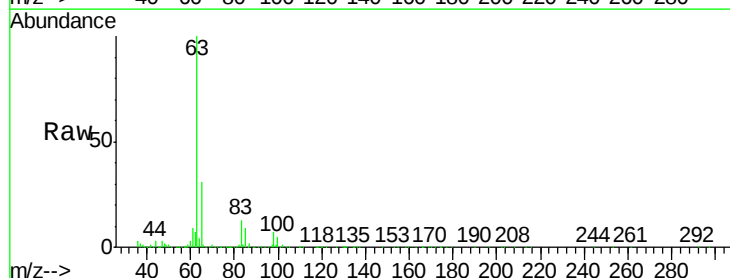
Tgt Ion: 63 Resp: 176768

Ion Ratio Lower Upper

63 100

98 6.6 3.9 11.5

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

60000

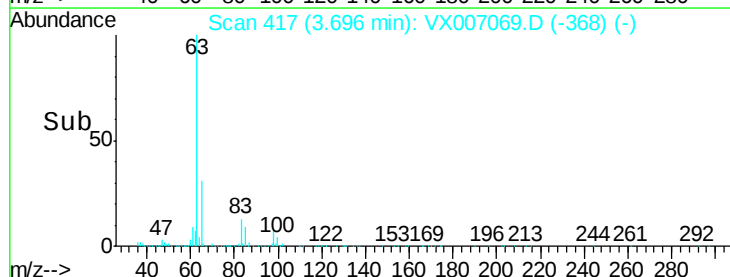
40000

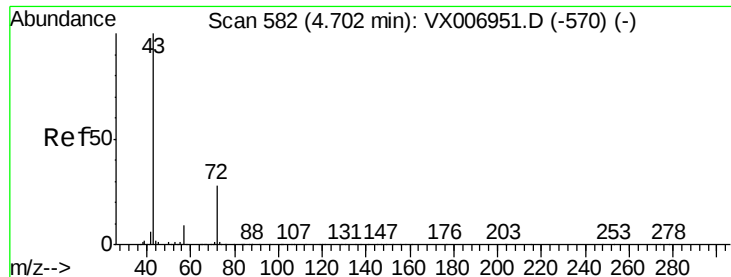
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 99.206 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

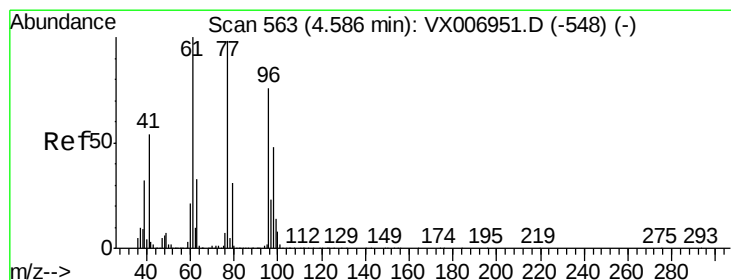
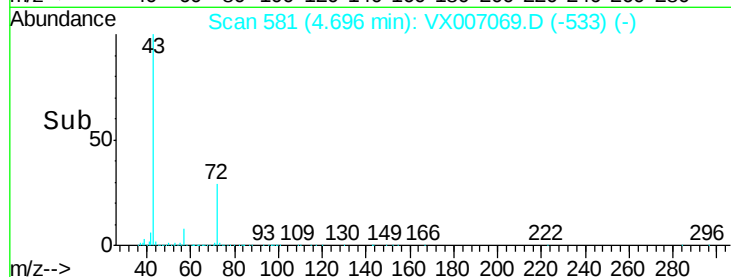
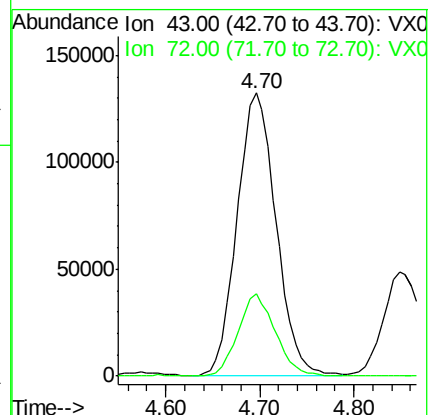
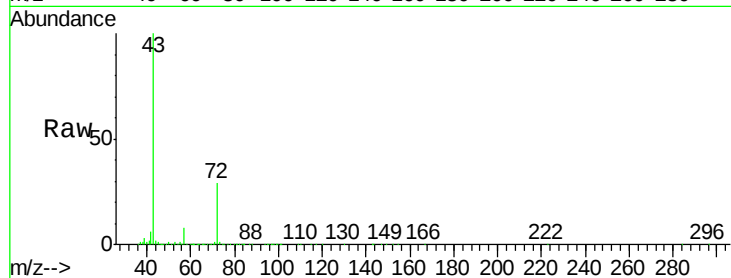
VX0116WBS01

Tot Ion: 43 Resp: 379090

Ion Ratio Lower Upper

43 100

72 29.1 22.4 33.6



#26

2,2-Dichloropropane

Concen: 18.583 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007069.D

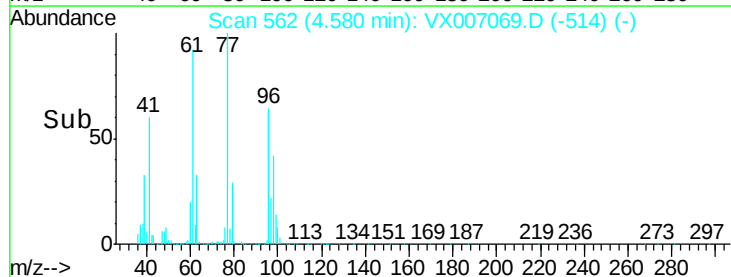
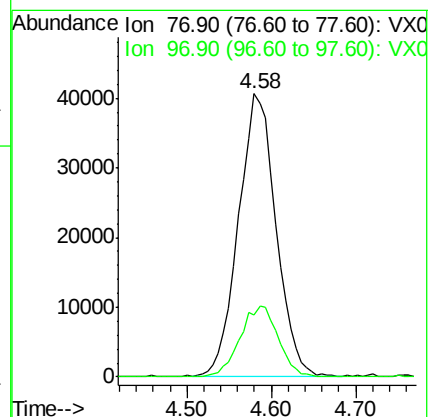
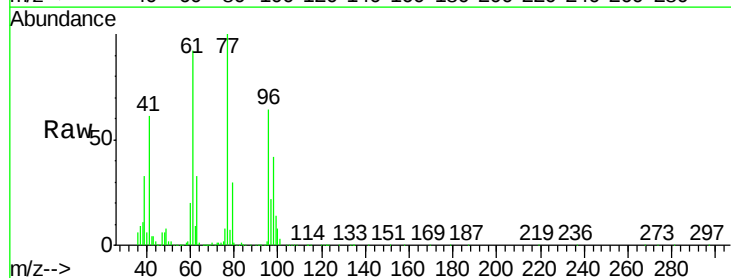
Acq: 16 Jan 2019 12:07

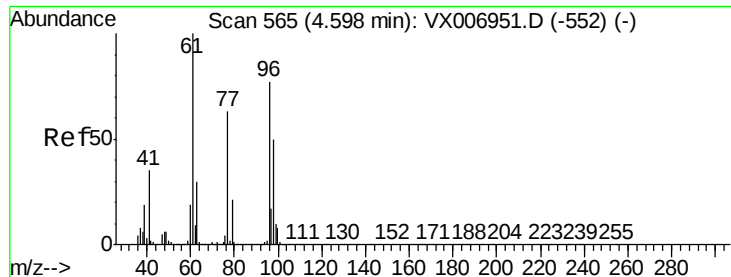
Tgt Ion: 77 Resp: 122304

Ion Ratio Lower Upper

77 100

97 25.8 12.4 37.4



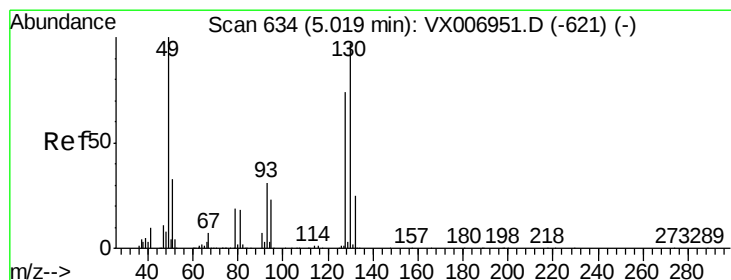
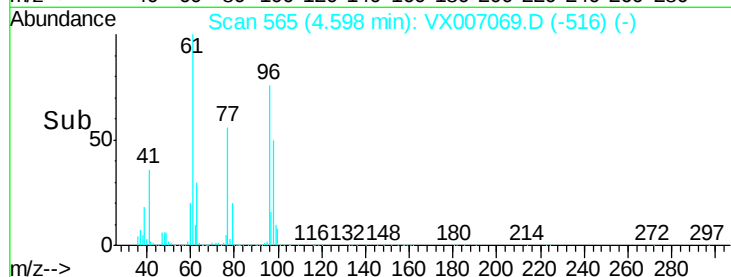
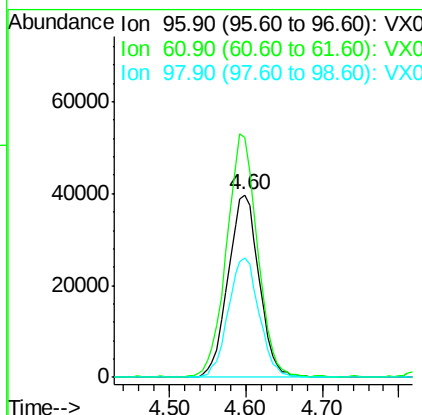
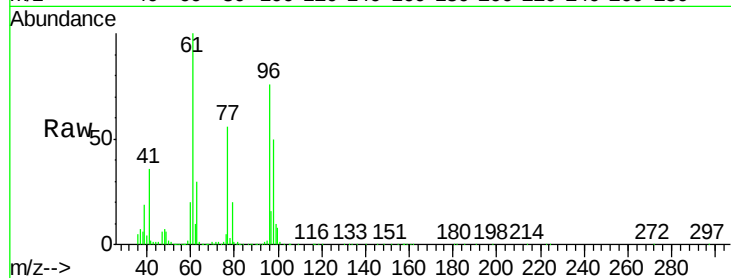


#27

cis-1,2-Dichloroethene
Concen: 19.032 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

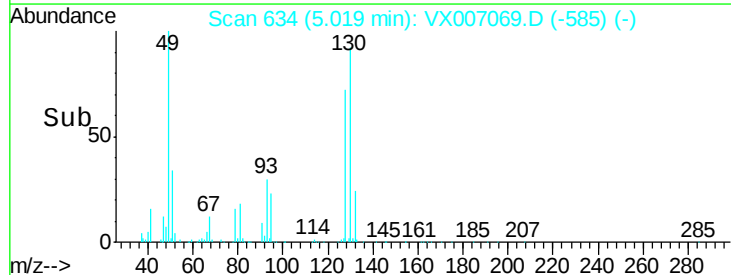
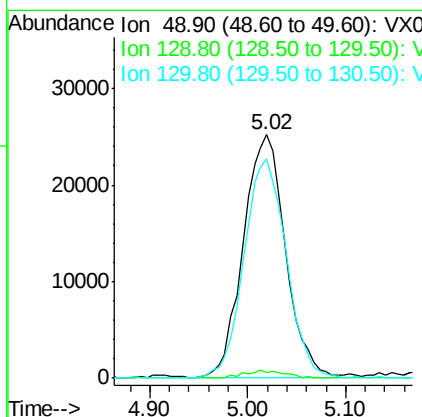
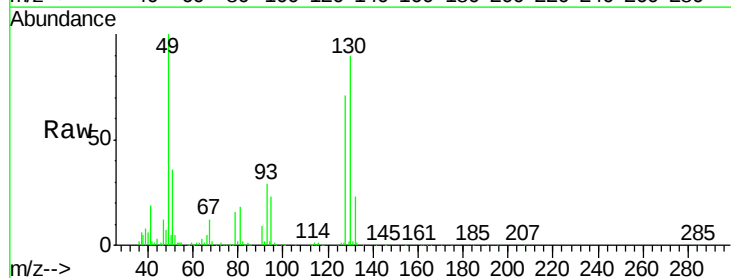
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	258.6
98	65.3	0.0	132.0

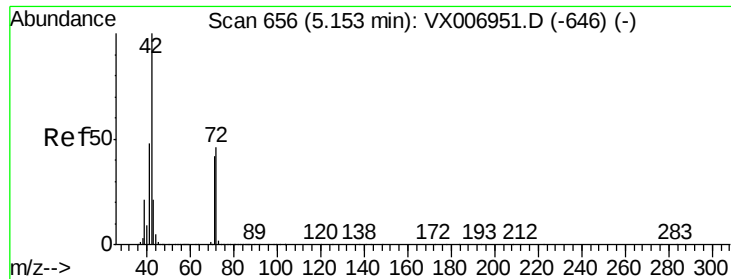


#28

Bromochloromethane
Concen: 20.211 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.4
130	90.5	77.7	116.5





#29

Tetrahydrofuran

Concen: 97.230 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

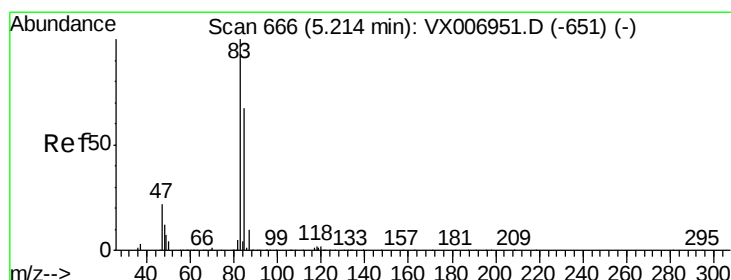
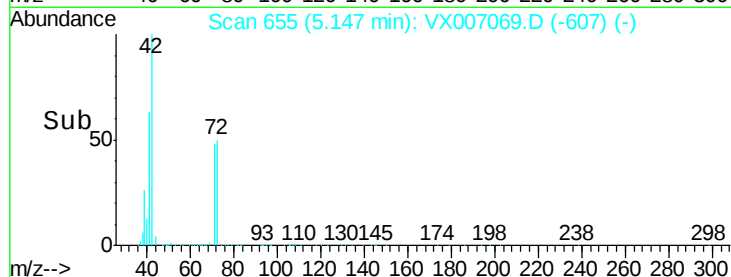
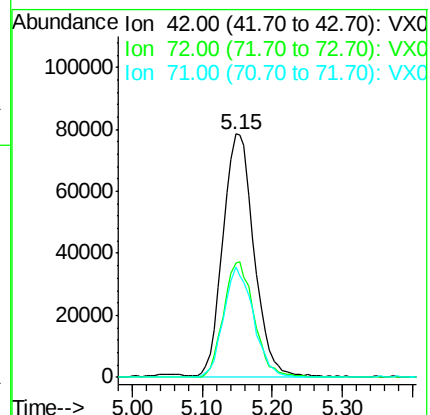
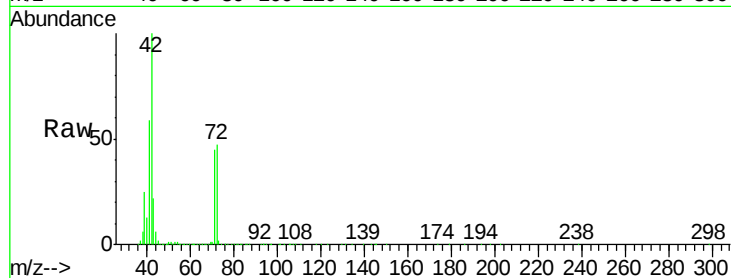
Tot Ion: 42 Resp: 241453

Ion Ratio Lower Upper

42 100

72 47.1 38.9 58.3

71 43.5 36.2 54.4



#30

Chloroform

Concen: 19.790 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX007069.D

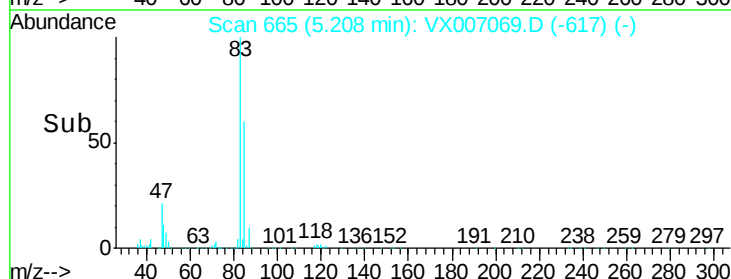
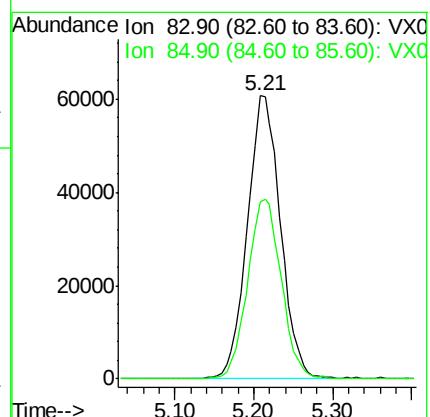
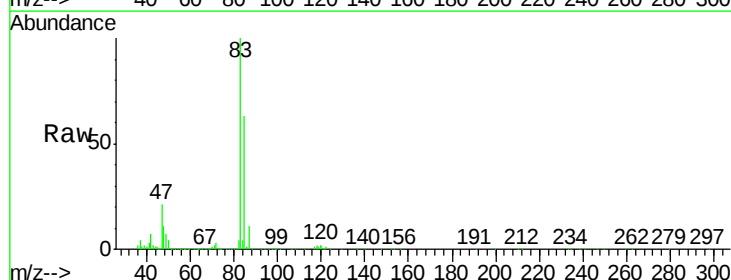
Acq: 16 Jan 2019 12:07

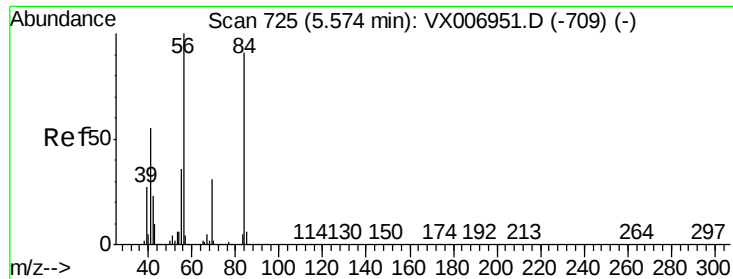
Tgt Ion: 83 Resp: 177340

Ion Ratio Lower Upper

83 100

85 62.6 51.2 76.8

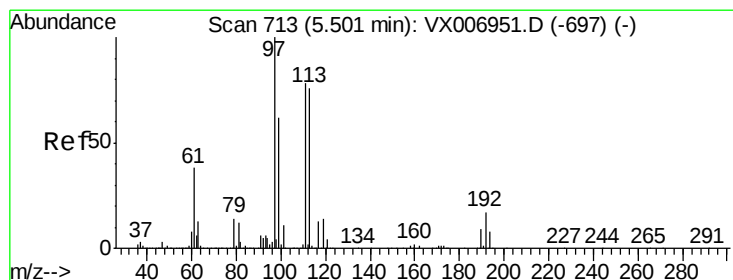
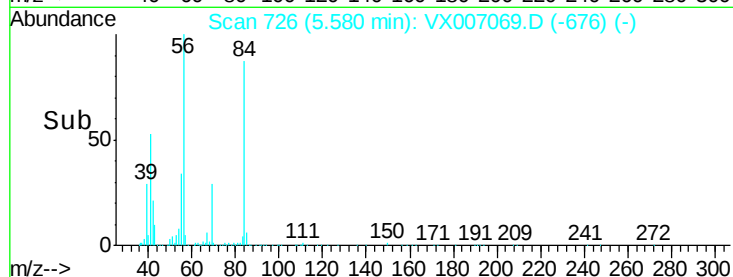
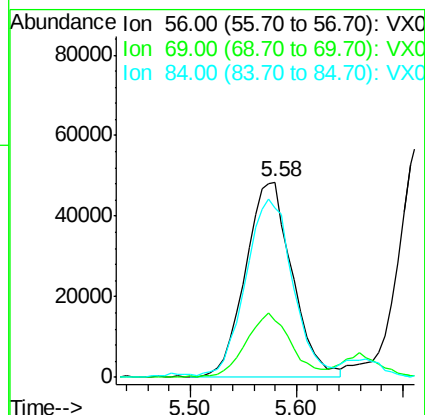
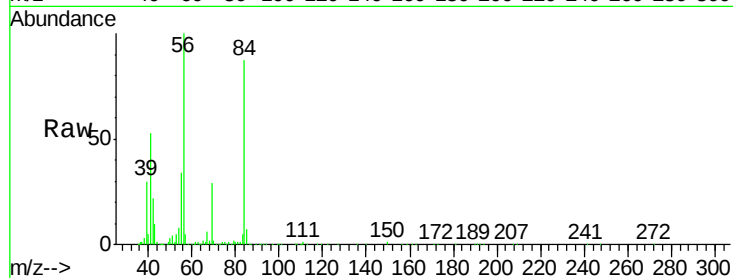




#31
Cyclohexane
Concen: 19.442 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

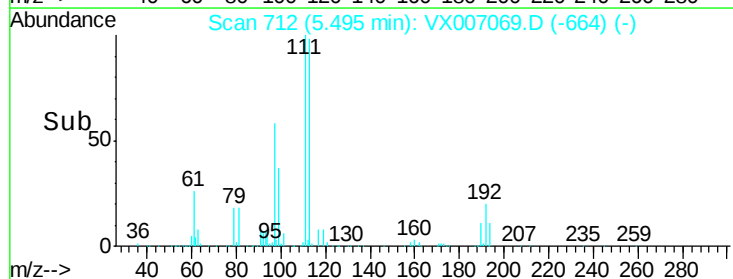
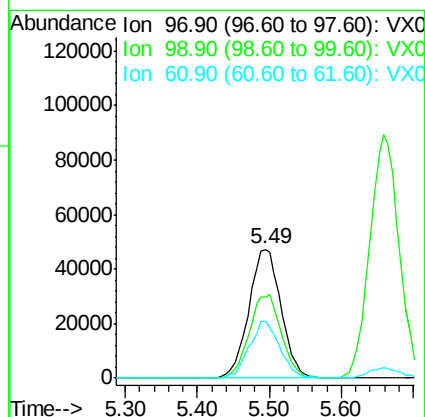
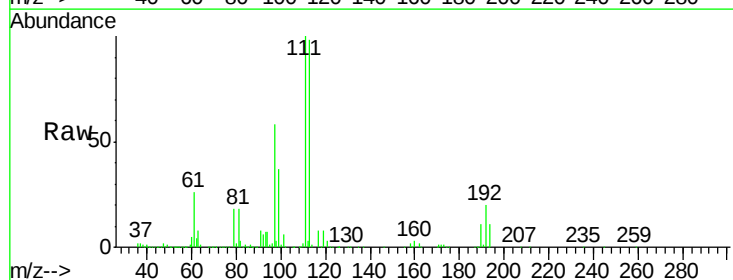
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

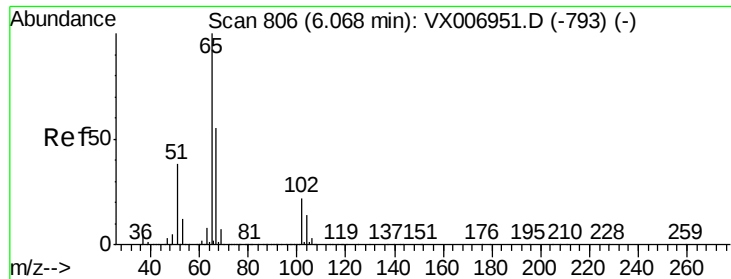
Tot Ion: 56 Resp: 148101
Ion Ratio Lower Upper
56 100
69 28.4 24.4 36.6
84 85.6 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 19.313 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion: 97 Resp: 146690
Ion Ratio Lower Upper
97 100
99 64.5 51.7 77.5
61 42.1 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 48.610 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

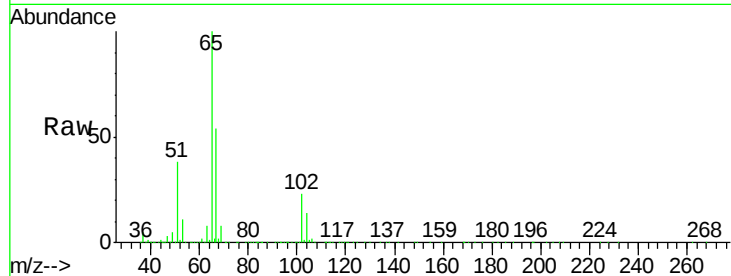
VX0116WBS01

Tot Ion: 65 Resp: 262594

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

100000

80000

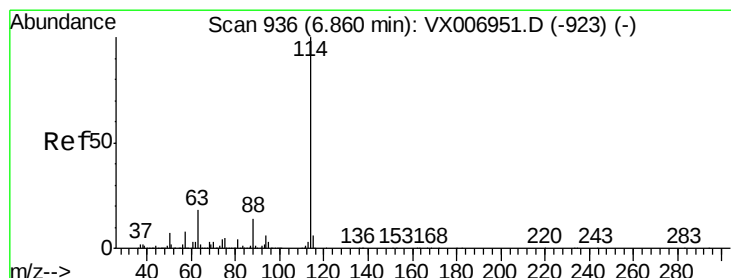
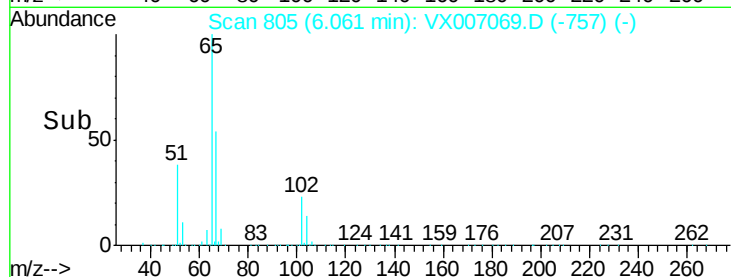
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

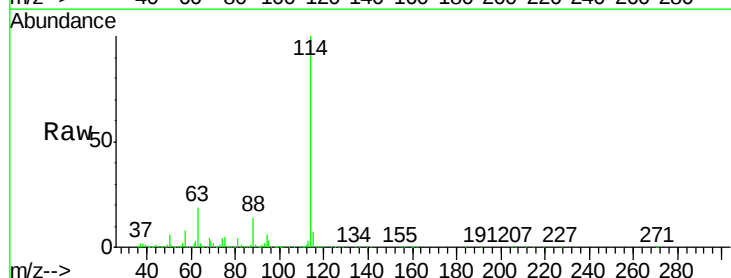
Tgt Ion: 114 Resp: 746680

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

88 14.4 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

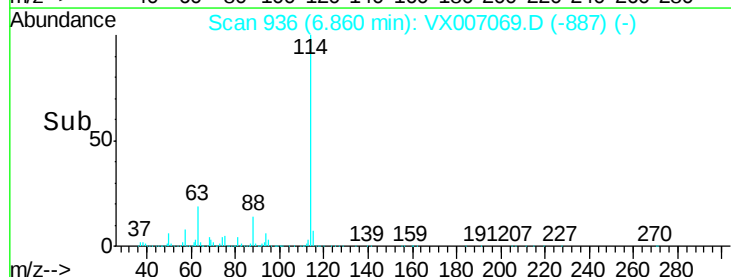
300000

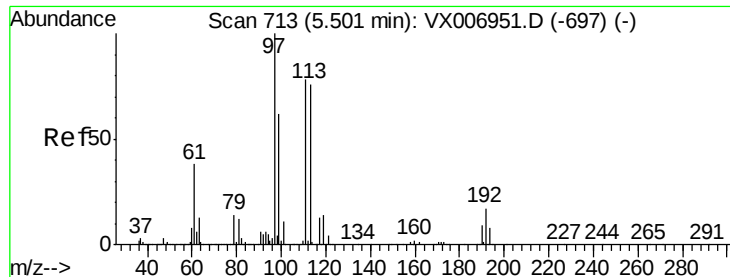
200000

100000

0

Time-->

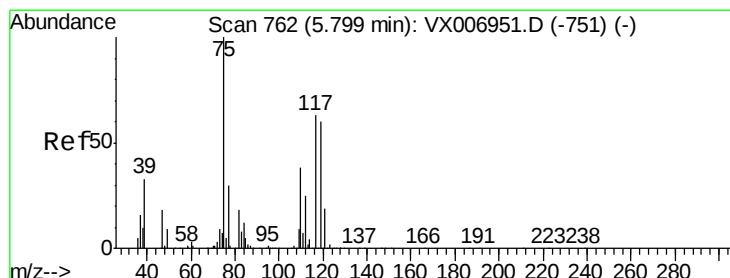
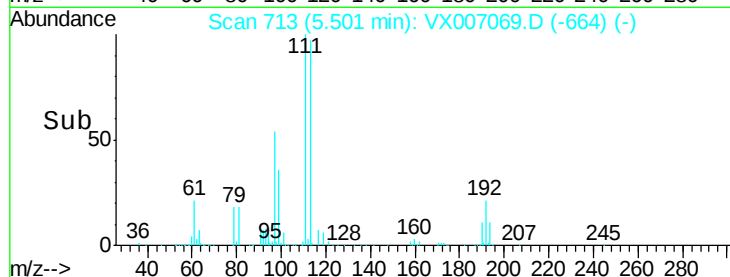
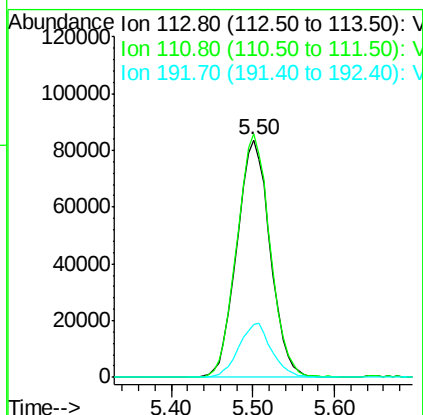
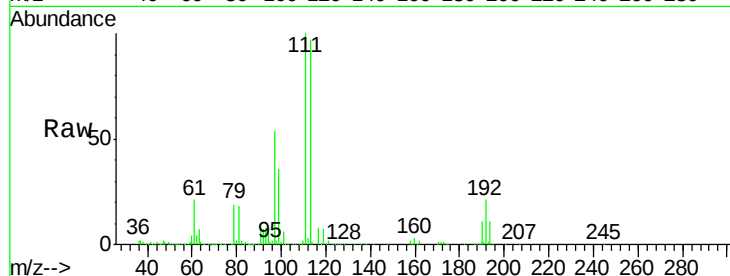




#35
Dibromofluoromethane
Concen: 49.606 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

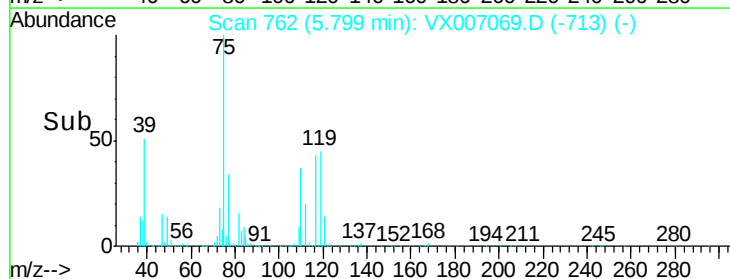
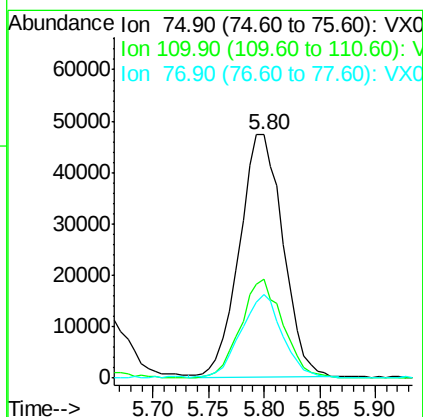
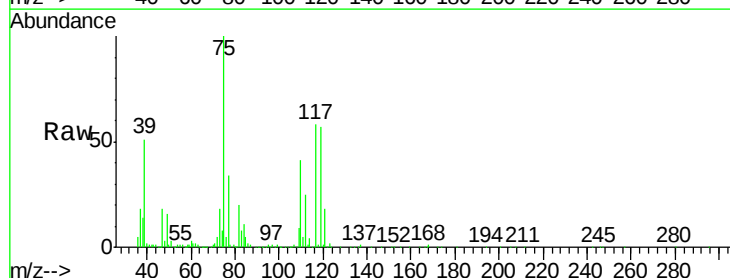
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

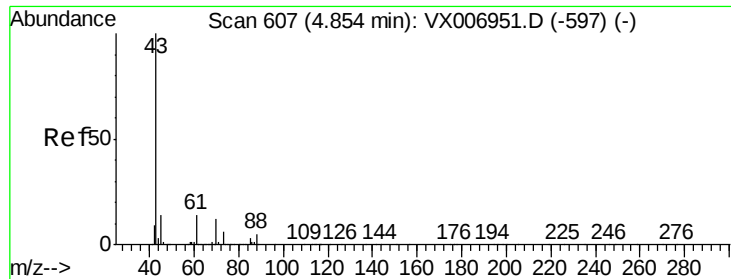
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	22.3	16.7	25.1



#36
1,1-Dichloropropene
Concen: 19.786 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	20.2	60.5
77	32.1	24.8	37.2

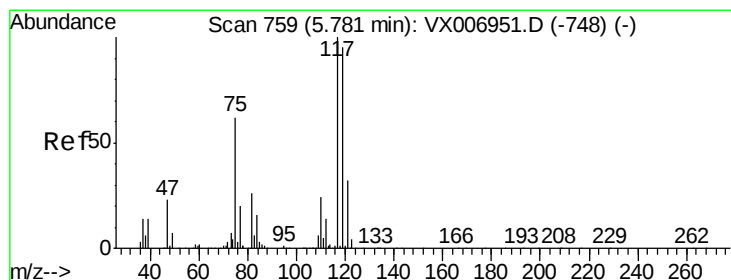
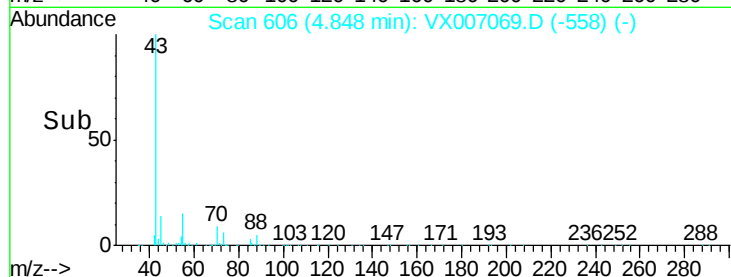
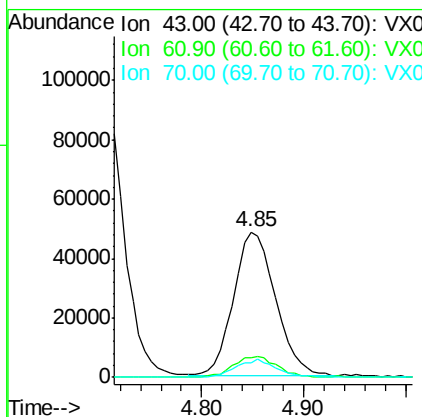
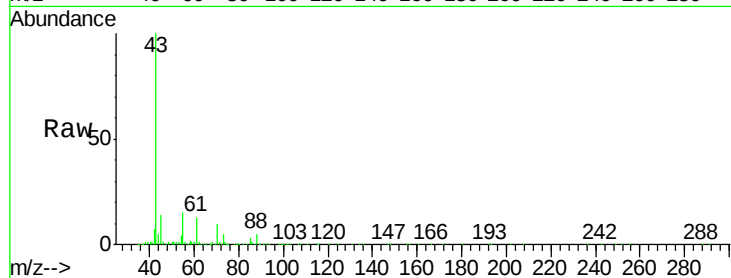




#37
Ethyl Acetate
Concen: 19.808 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

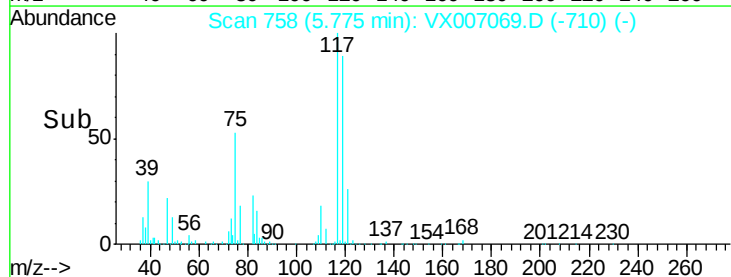
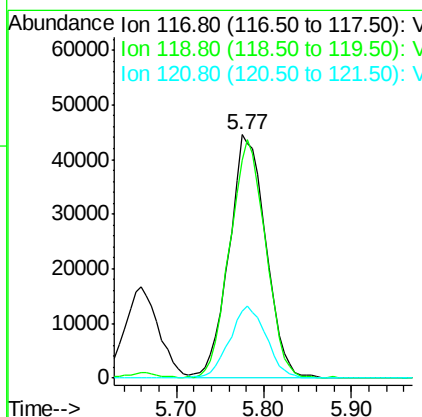
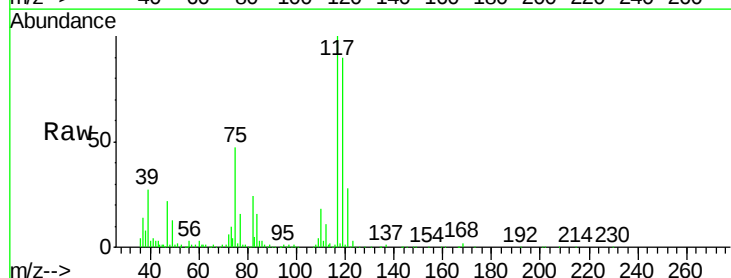
Instrument :
MSVOA_X
ClientSampled :
VX0116WBS01

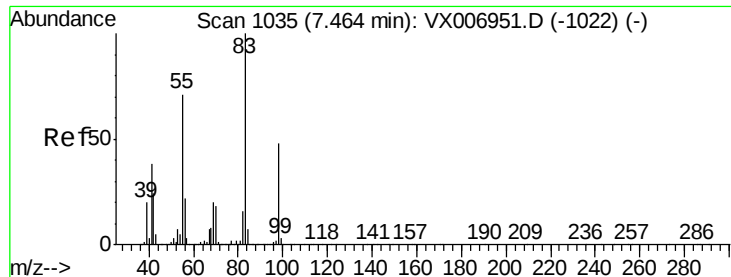
Tot Ion: 43 Resp: 137860
Ion Ratio Lower Upper
43 100
61 14.8 11.9 17.9
70 12.3 9.7 14.5



#38
Carbon Tetrachloride
Concen: 19.921 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion: 117 Resp: 130114
Ion Ratio Lower Upper
117 100
119 89.8 79.4 119.2
121 27.7 24.0 36.0

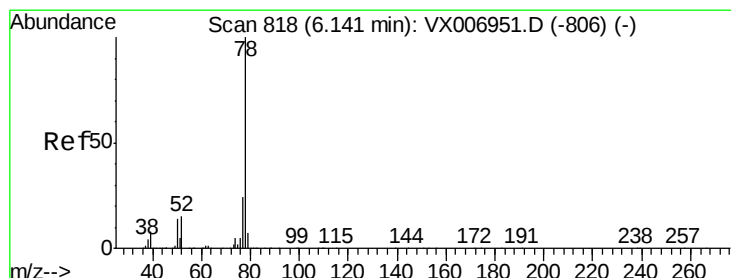
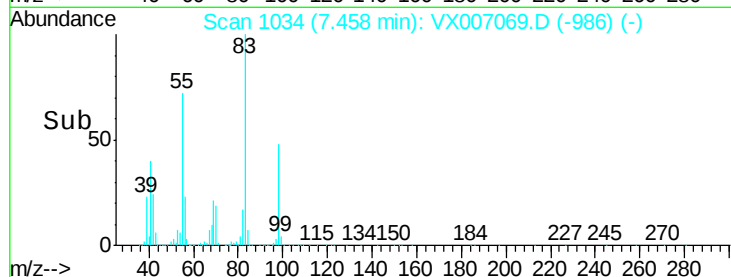
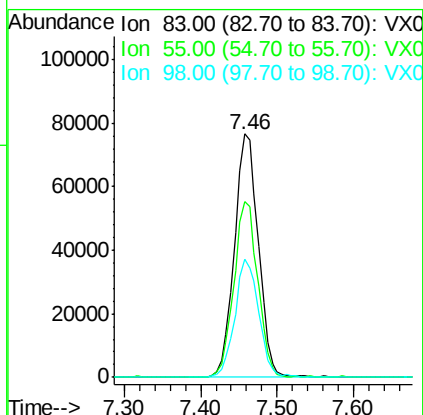
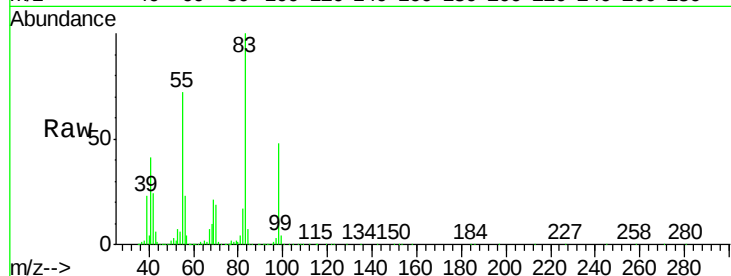




#39
Methvlcvclohexane
Concen: 20.140 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

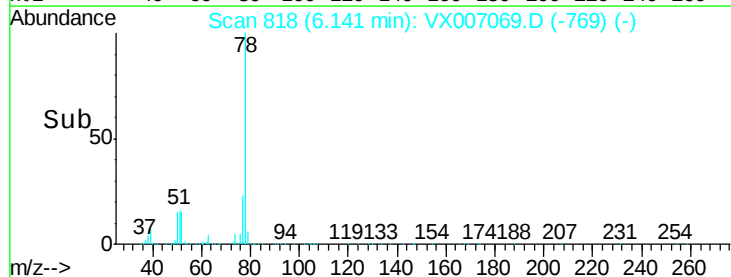
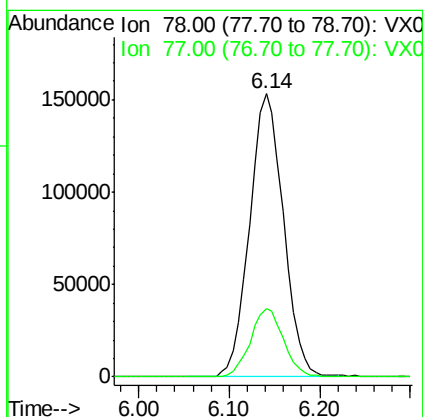
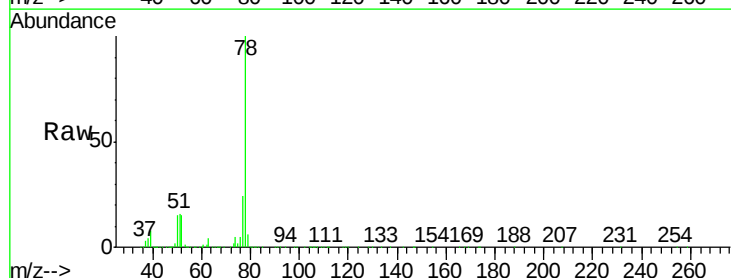
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

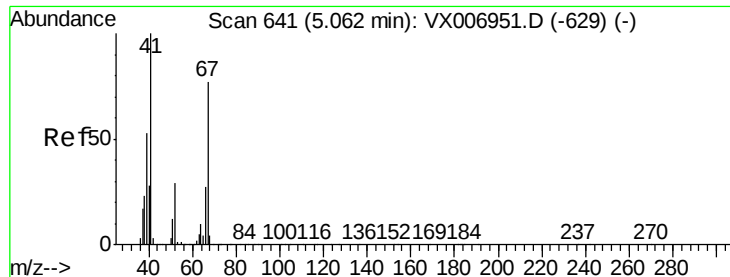
Tot Ion: 83 Resp: 166682
Ion Ratio Lower Upper
83 100
55 72.0 54.9 82.3
98 48.5 37.9 56.9



#40
Benzene
Concen: 19.991 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion: 78 Resp: 395987
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8





#41

Methacrylonitrile

Concen: 19.388 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

Tot Ion: 41 Resp: 77734

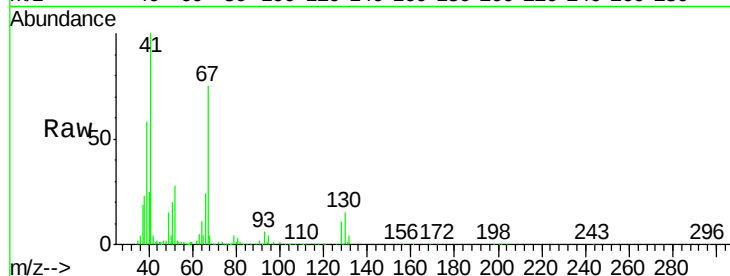
Ion Ratio Lower Upper

41 100

39 55.0 42.8 64.2

67 75.7 62.1 93.1

52 28.3 23.4 35.0

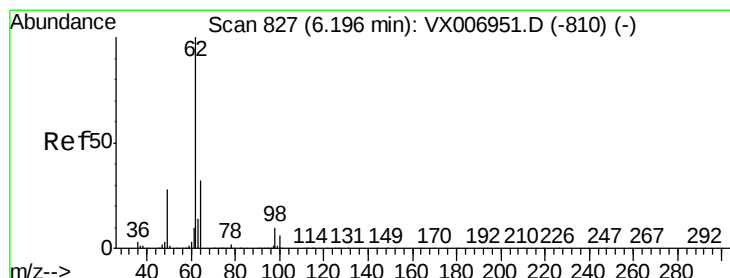
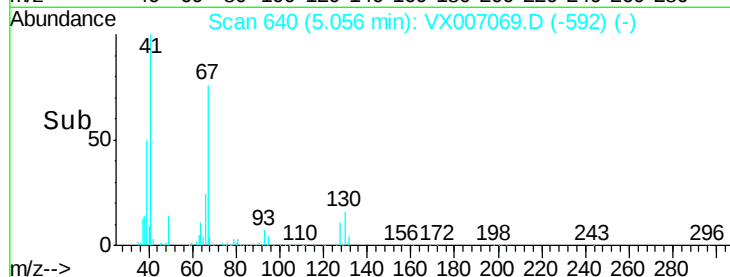
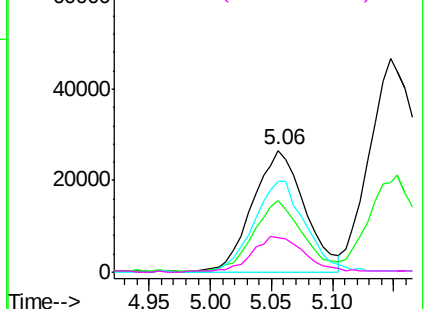


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.892 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007069.D

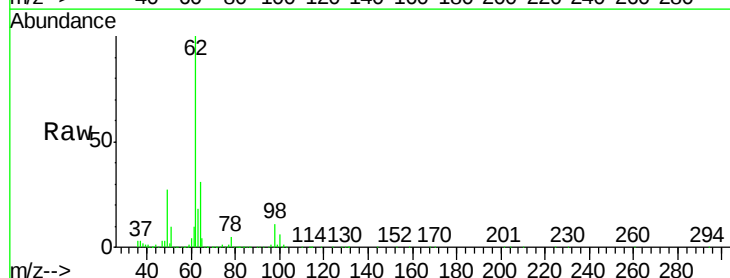
Acq: 16 Jan 2019 12:07

Tgt Ion: 62 Resp: 136160

Ion Ratio Lower Upper

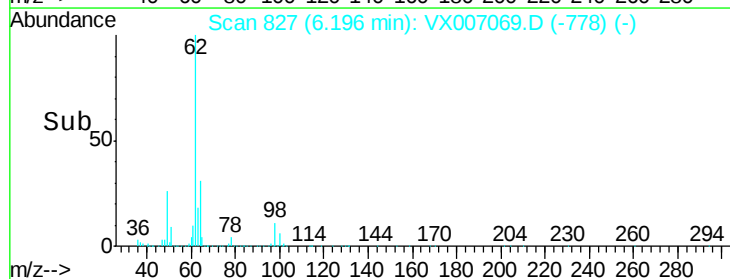
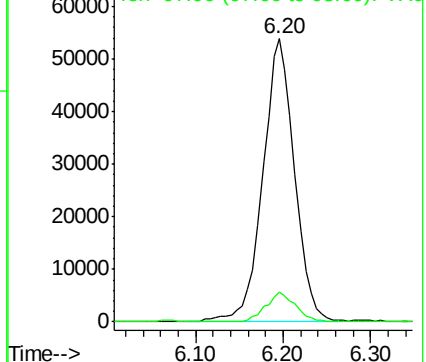
62 100

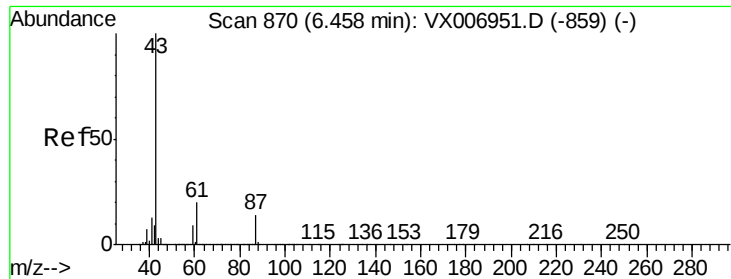
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



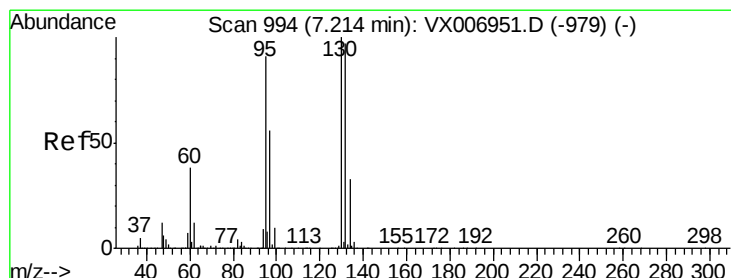
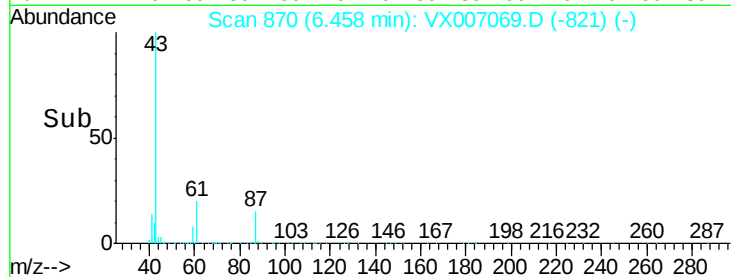
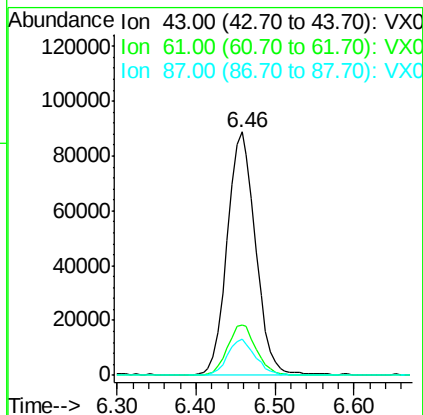
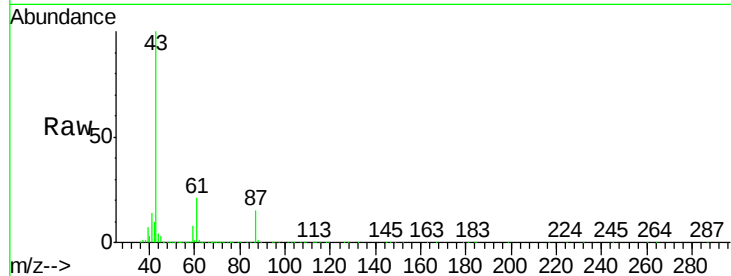


#43

Isopropyl Acetate
 Concen: 20.087 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

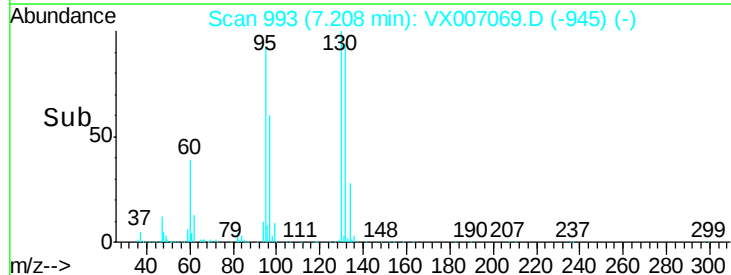
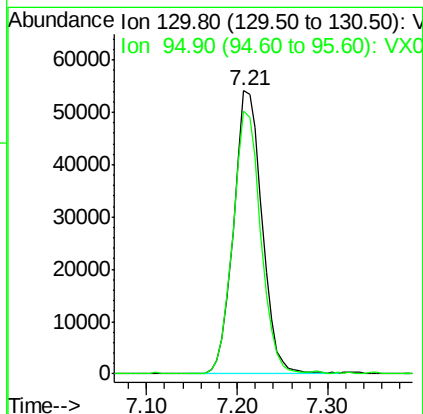
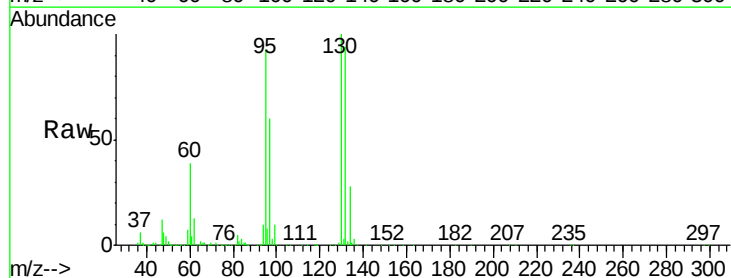
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.8	25.2
87	14.6	12.4	18.6

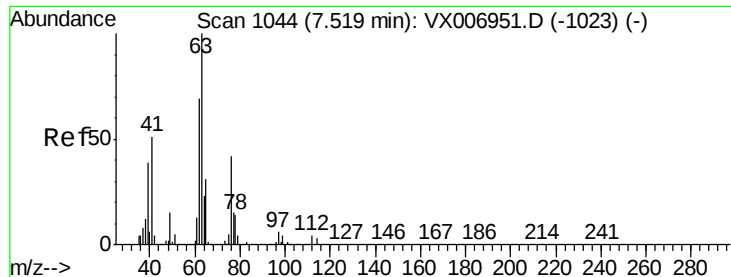


#44

Trichloroethene
 Concen: 19.867 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.777 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

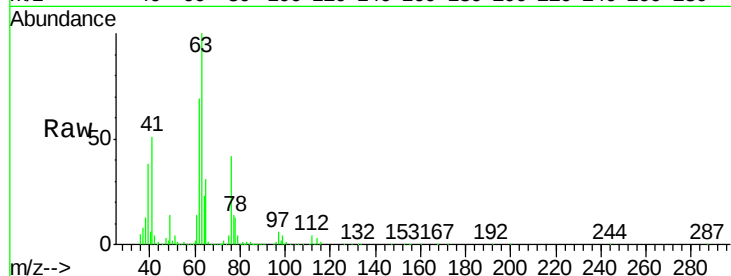
VX0116WBS01

Tot Ion: 63 Resp: 98486

Ion Ratio Lower Upper

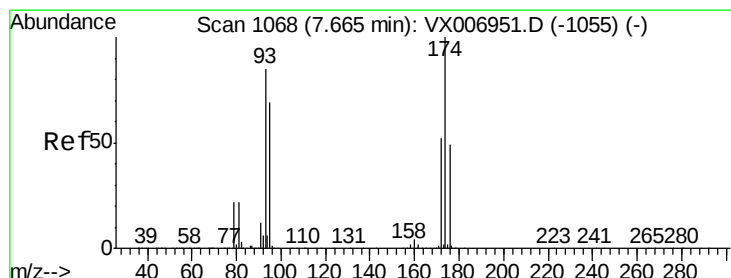
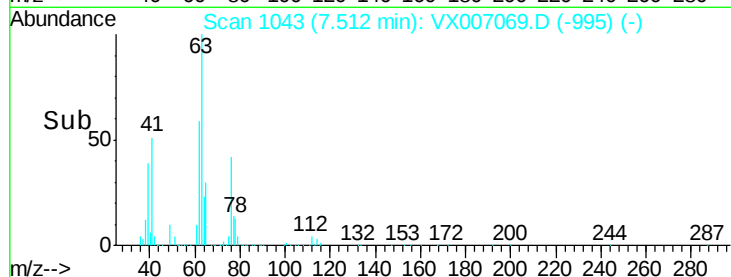
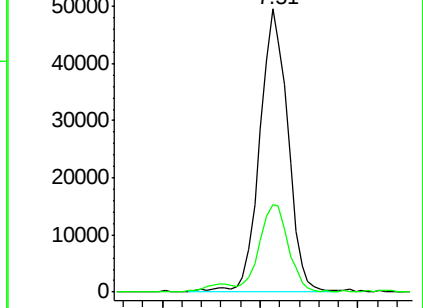
63 100

65 30.9 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.004 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

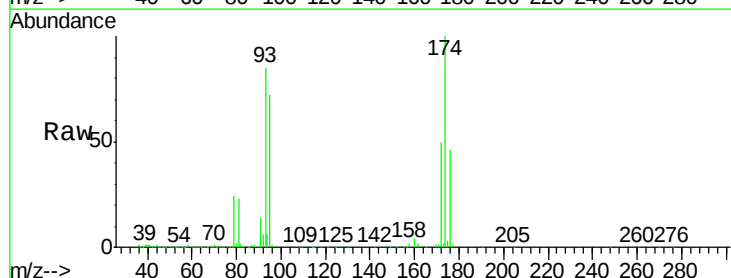
Tgt Ion: 93 Resp: 70011

Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

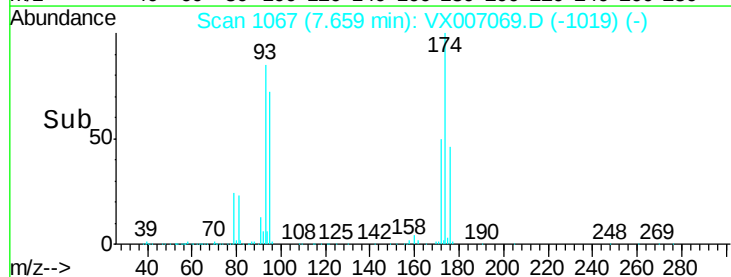
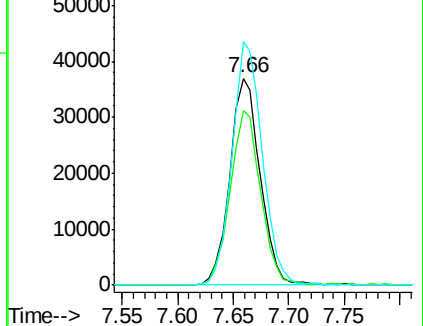
174 116.9 91.0 136.4

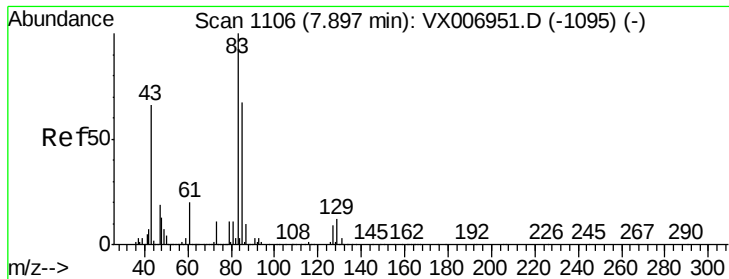


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.802 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

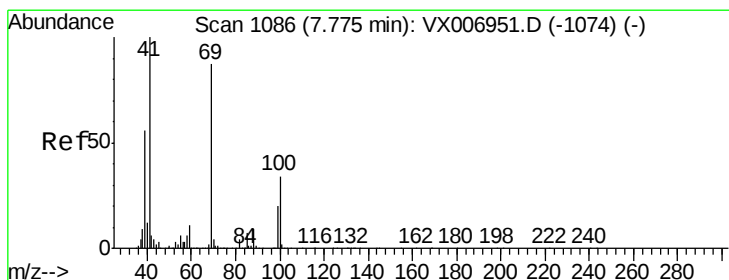
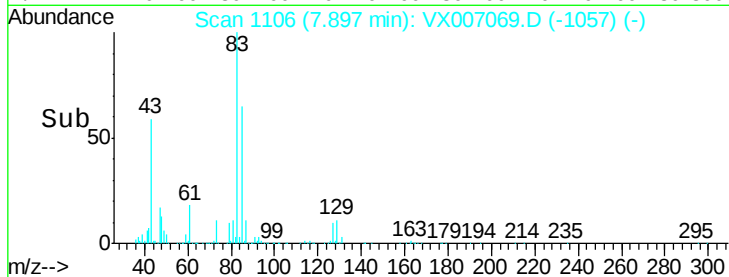
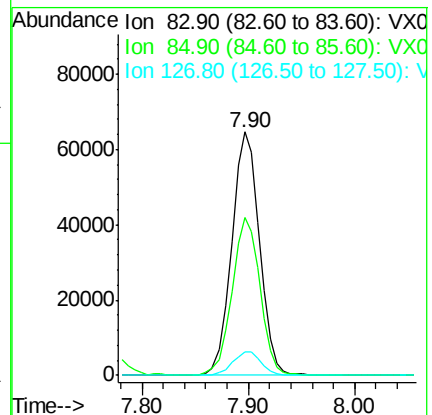
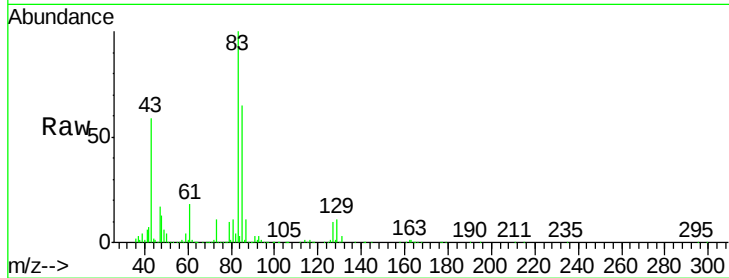
Tot Ion: 83 Resp: 117965

Ion Ratio Lower Upper

83 100

85 64.7 53.2 79.8

127 9.7 7.8 11.6



#48

Methyl methacrylate

Concen: 20.215 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

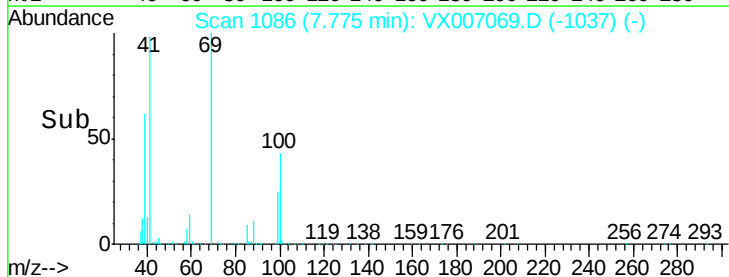
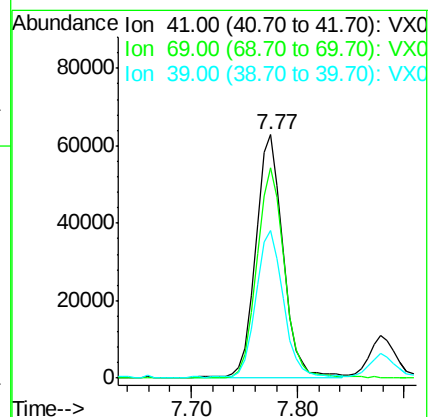
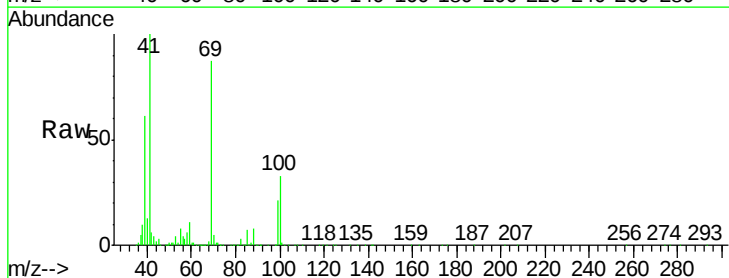
Tgt Ion: 41 Resp: 113967

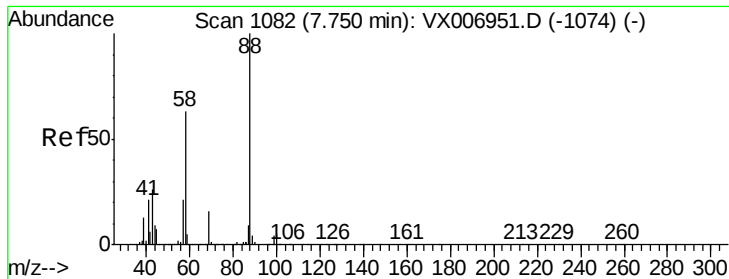
Ion Ratio Lower Upper

41 100

69 86.6 72.4 108.6

39 59.7 45.8 68.8





#49

1,4-Dioxane

Concen: 426.765 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

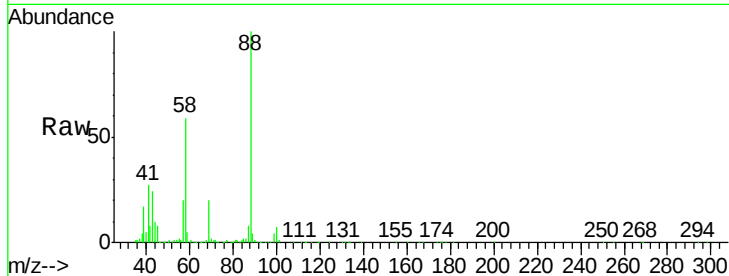
MSVOA_X

ClientSampled :

VX0116WBS01

Tot Ion: 88 Resp: 55578

Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.2	33.4
58	62.2	51.0	76.4

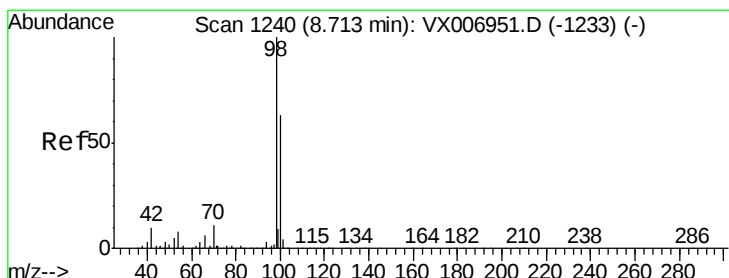
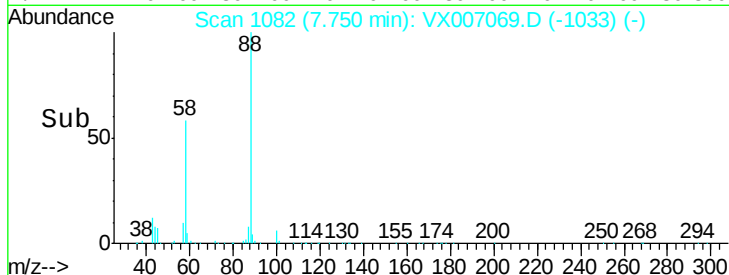
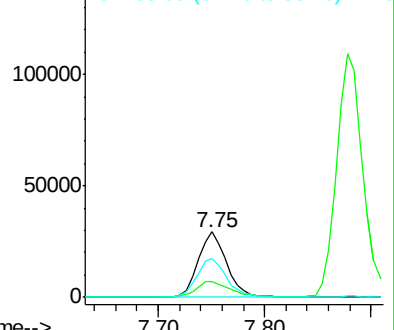


Abundance

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: 50.889 ug/l

RT: 8.71 min Scan# 1240

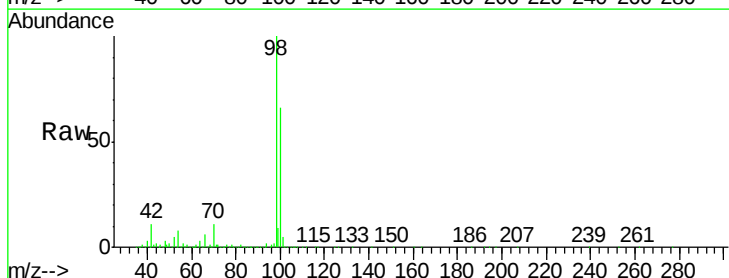
Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Tgt Ion: 98 Resp: 890683

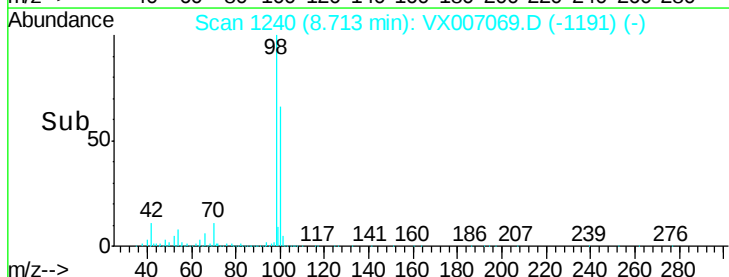
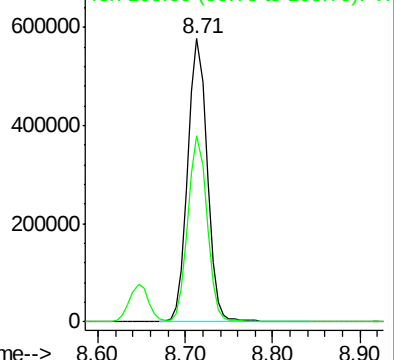
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

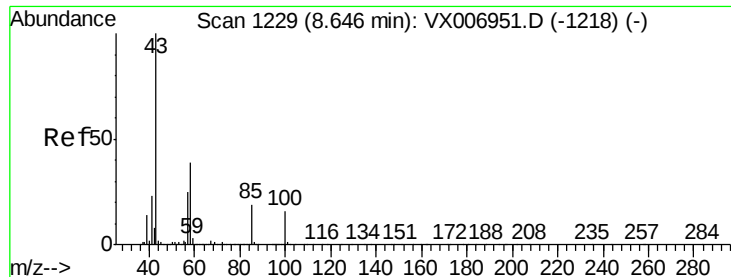


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

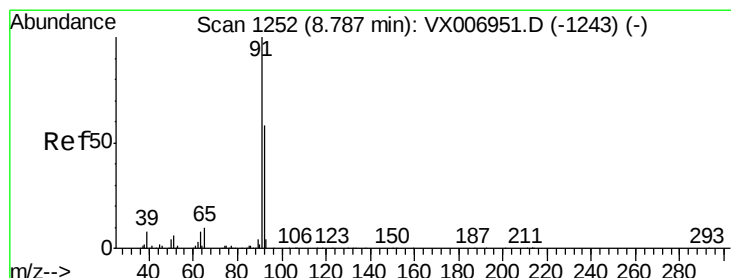
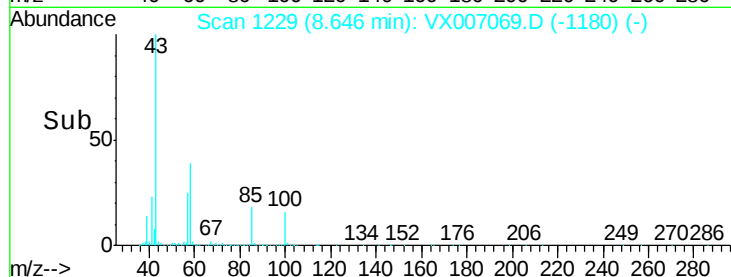
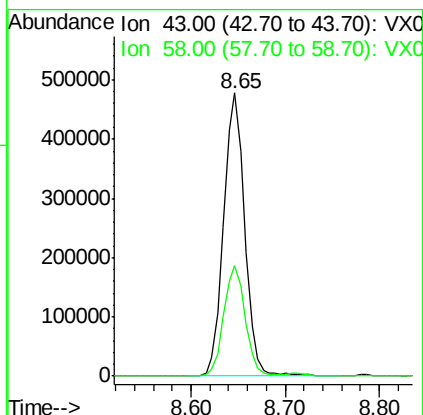
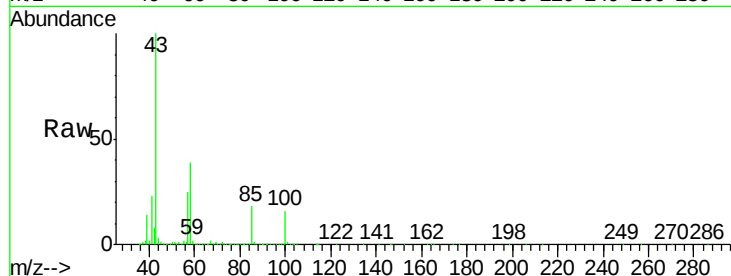




#51
 4-Methyl-2-Pentanone
 Concen: 105.502 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

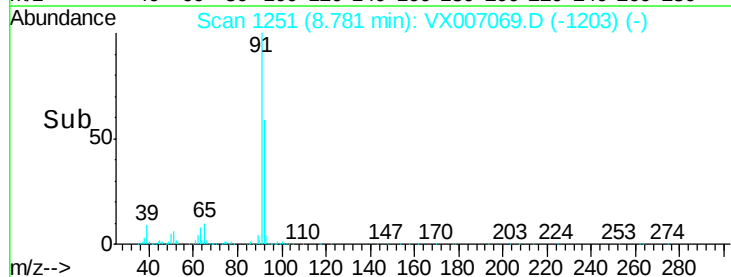
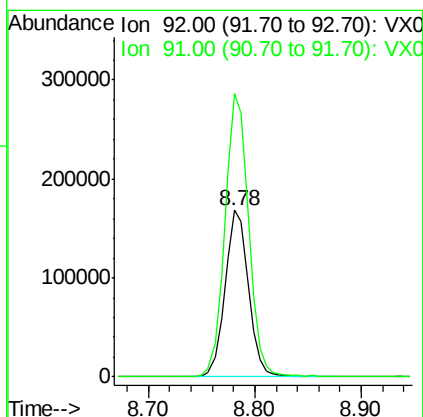
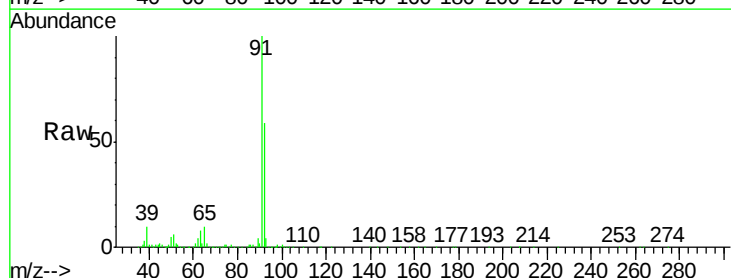
Instrument :
 MSVOA_X
 ClientSampled :
 VX0116WBS01

Tot Ion: 43 Resp: 744336
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.8 47.6



#52
 Toluene
 Concen: 20.344 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Tgt Ion: 92 Resp: 259012
 Ion Ratio Lower Upper
 92 100
 91 172.8 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 19.432 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

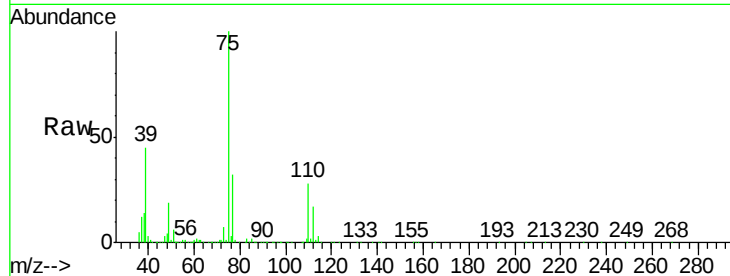
VX0116WBS01

Tot Ion: 75 Resp: 128365

Ion Ratio Lower Upper

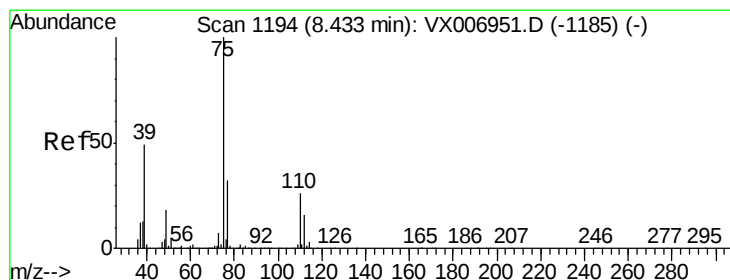
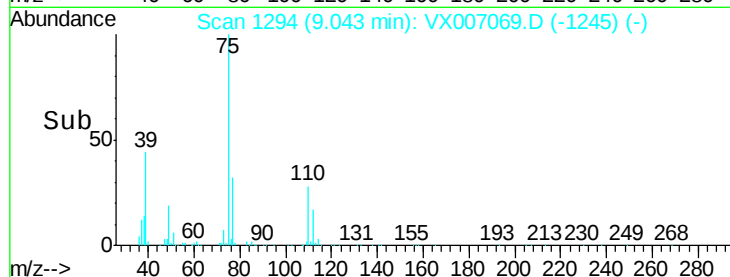
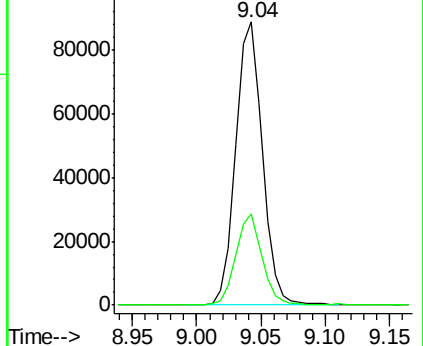
75 100

77 32.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.722 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

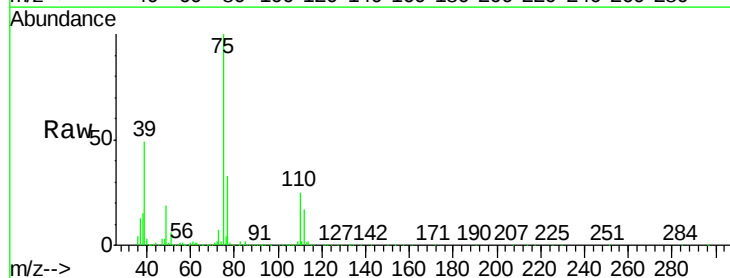
Tgt Ion: 75 Resp: 143872

Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.2

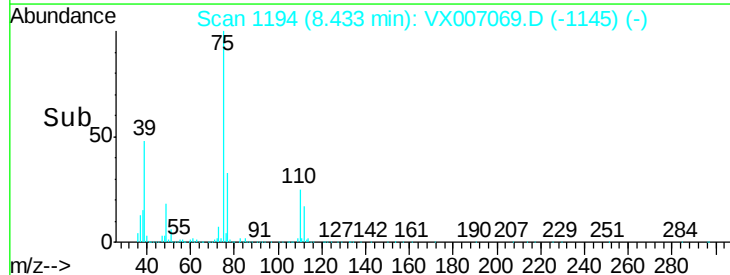
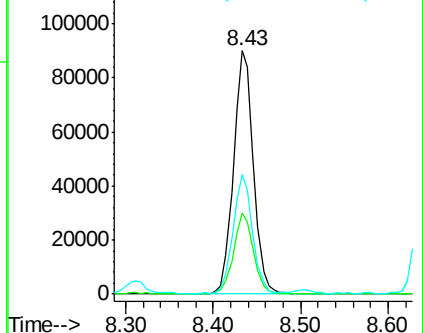
39 48.6 36.7 55.1

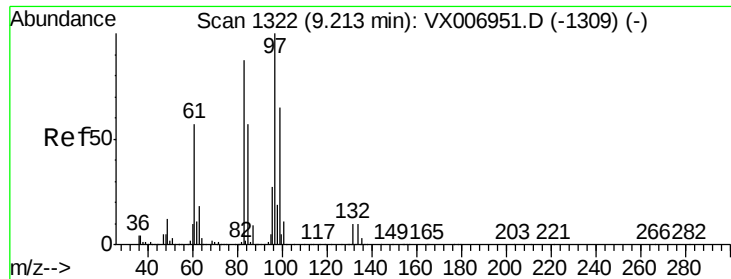


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

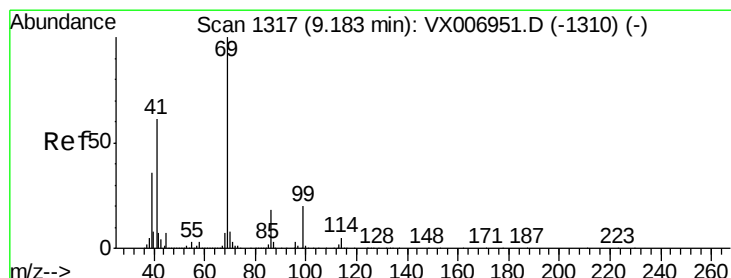
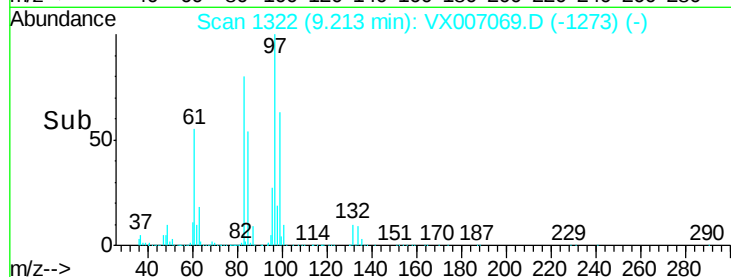
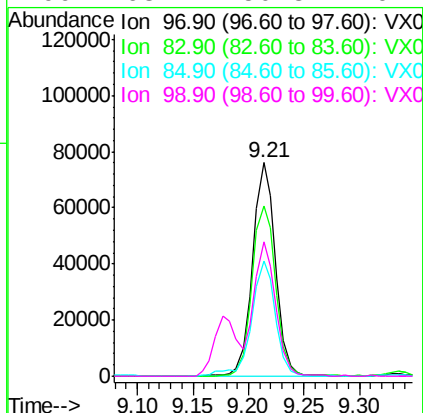
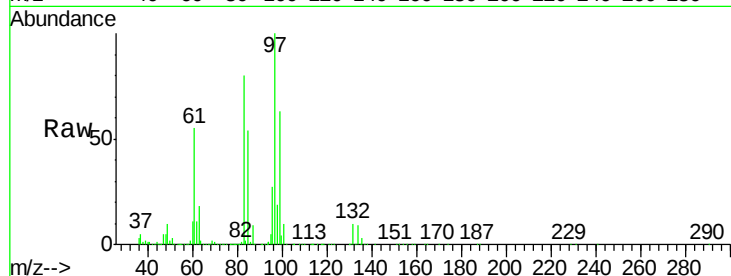




#55
 1,1,2-Trichloroethane
 Concen: 21.406 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

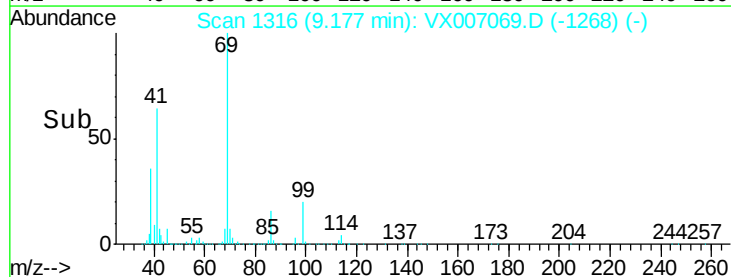
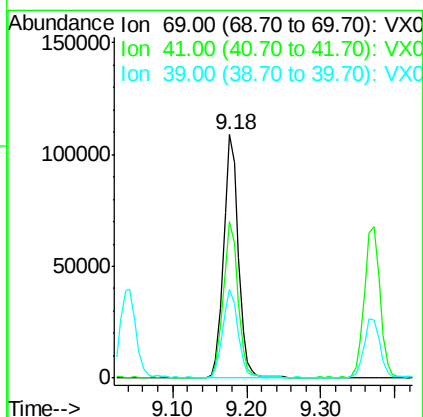
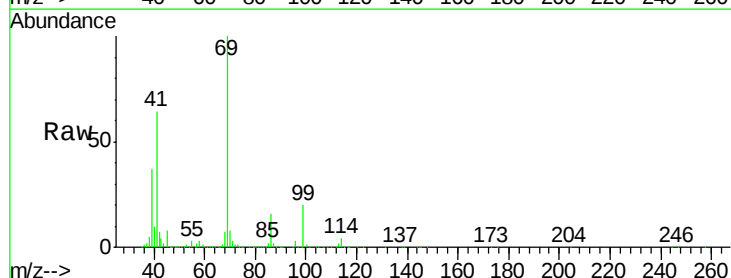
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

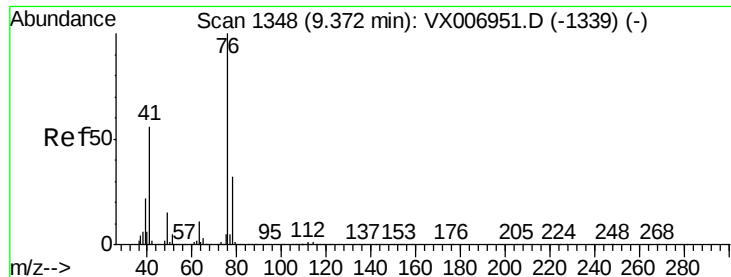
Tot Ion:	97	Resp:	109086
Ion	Ratio	Lower	Upper
97	100		
83	79.8	66.6	99.8
85	54.1	42.7	64.1
99	63.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.392 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Tgt Ion:	69	Resp:	151708
Ion	Ratio	Lower	Upper
69	100		
41	63.3	48.7	73.1
39	37.6	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.483 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

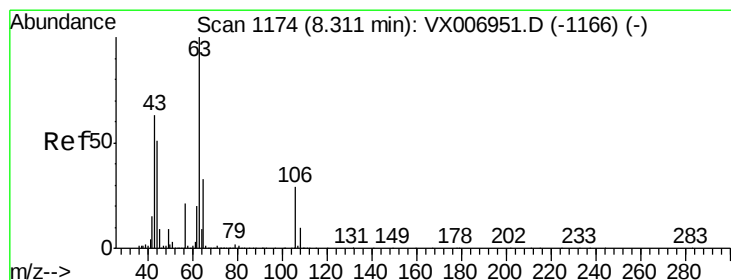
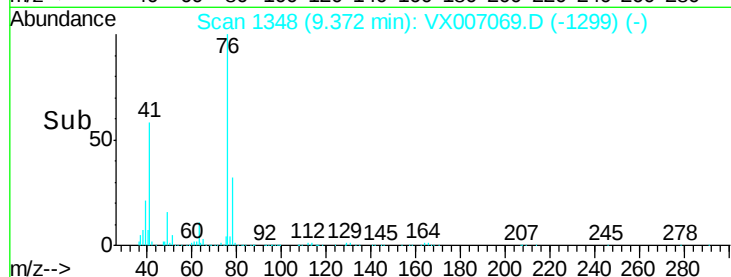
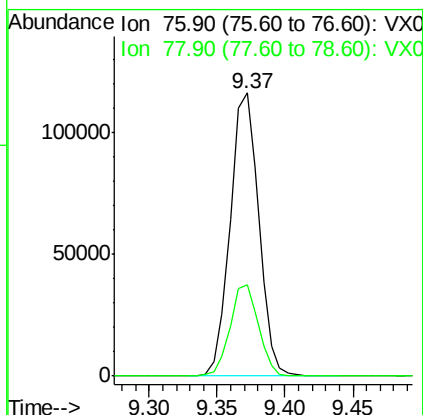
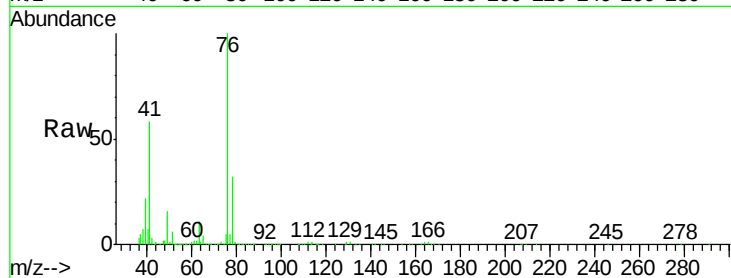
VX0116WBS01

Tot Ion: 76 Resp: 171003

Ion Ratio Lower Upper

76 100

78 32.4 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 94.055 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007069.D

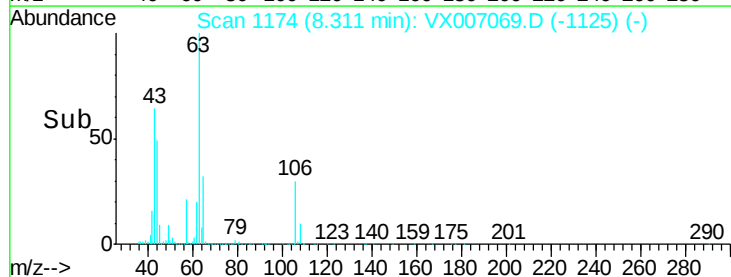
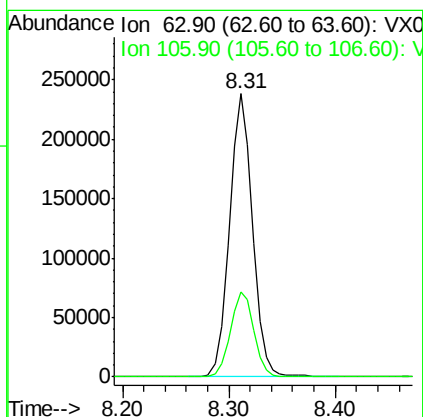
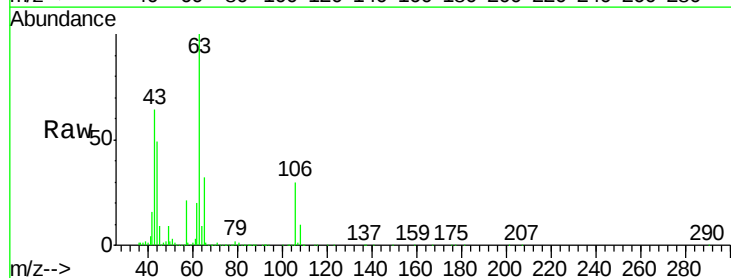
Acq: 16 Jan 2019 12:07

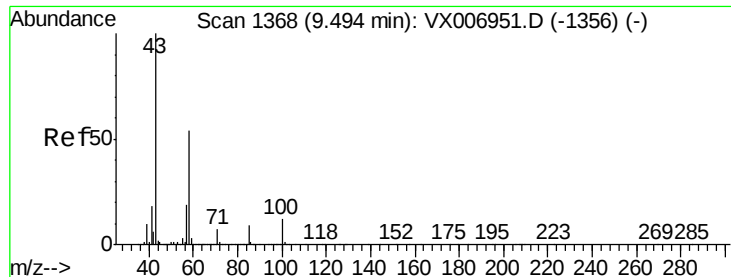
Tgt Ion: 63 Resp: 359765

Ion Ratio Lower Upper

63 100

106 30.8 24.6 36.8

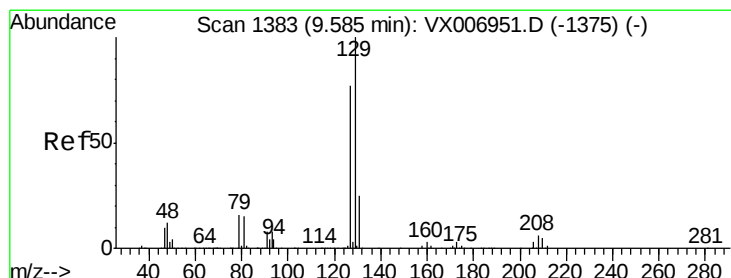
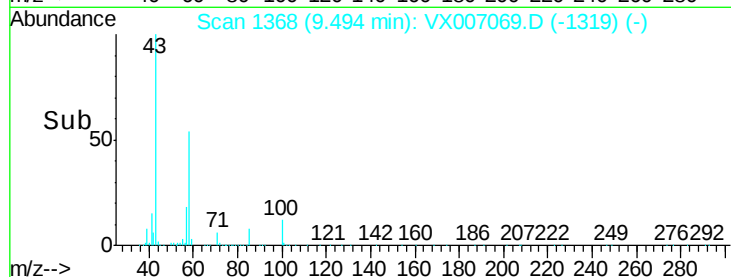
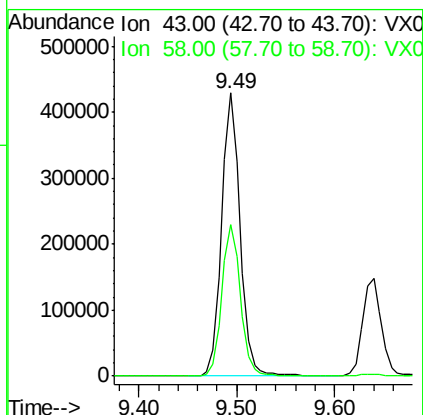
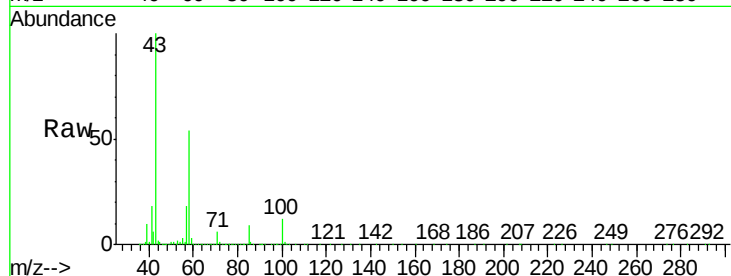




#59
2-Hexanone
Concen: 104.787 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

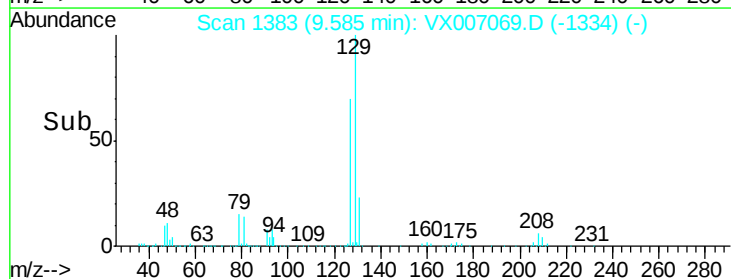
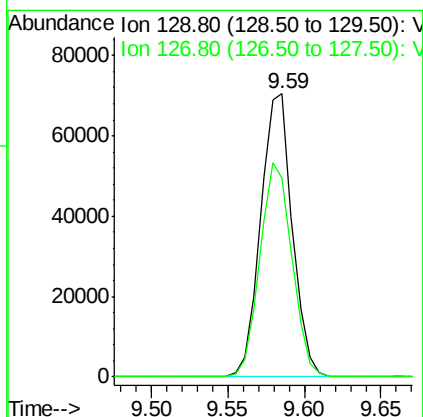
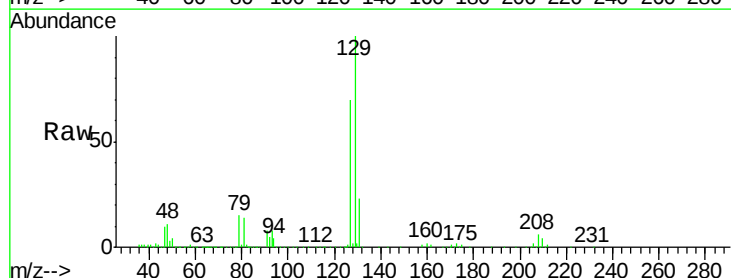
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

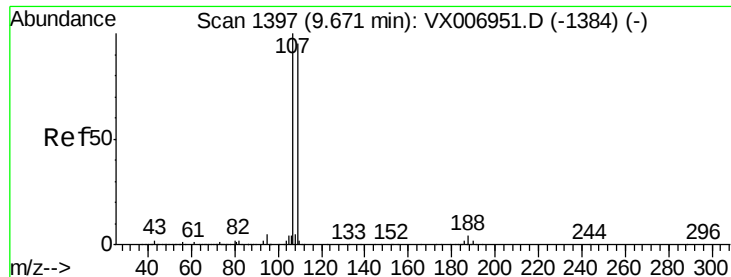
Tot Ion: 43 Resp: 563381
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.1



#60
Dibromochloromethane
Concen: 20.613 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion: 129 Resp: 102000
Ion Ratio Lower Upper
129 100
127 76.9 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.329 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

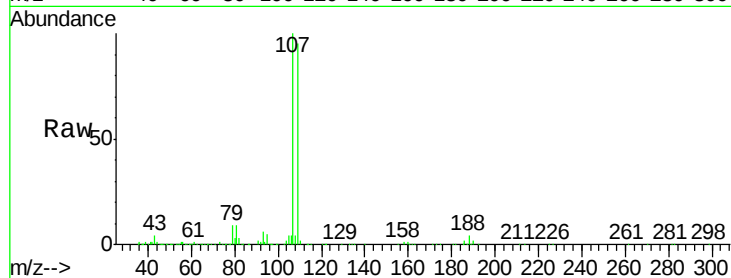
VX0116WBS01

Tot Ion:107 Resp: 114047

Ion Ratio Lower Upper

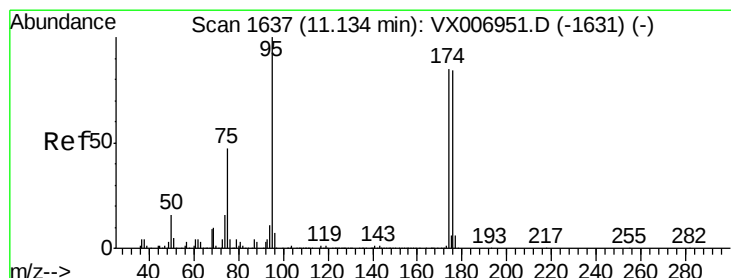
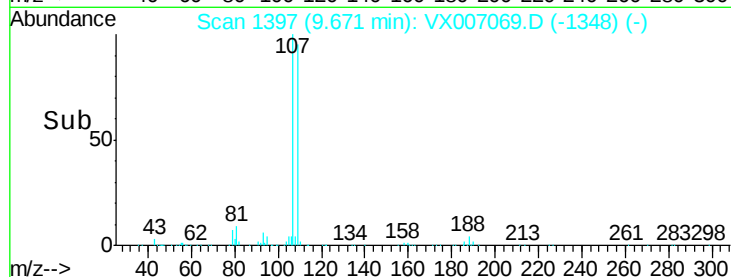
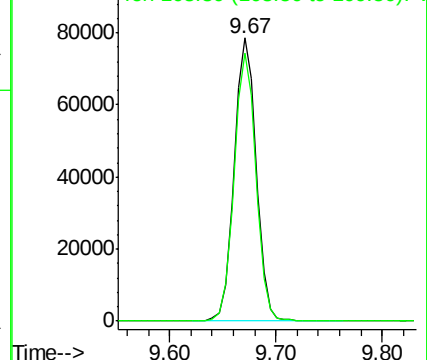
107 100

109 94.5 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: 53.395 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

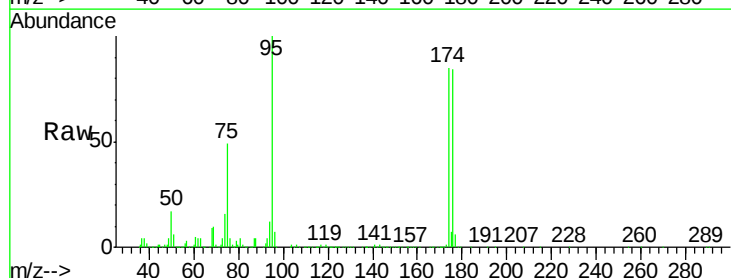
Tgt Ion: 95 Resp: 325807

Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.2

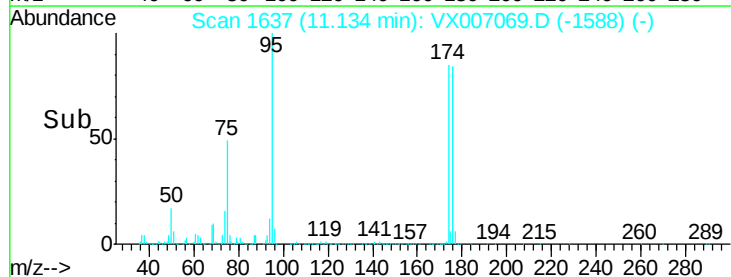
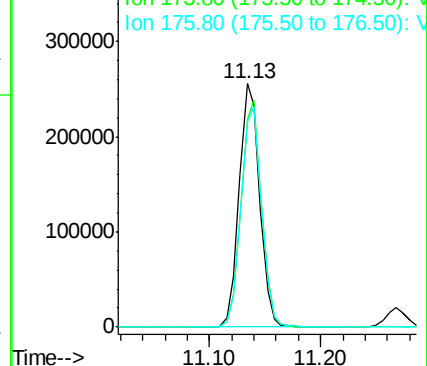
176 91.1 0.0 178.8

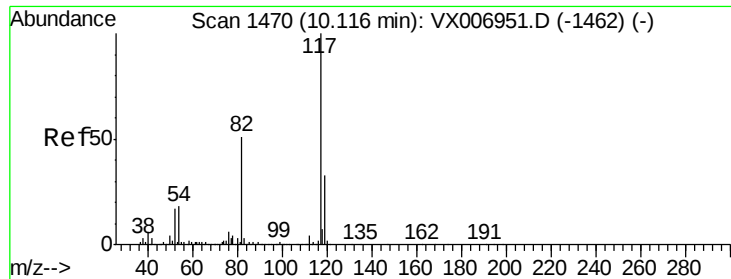


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

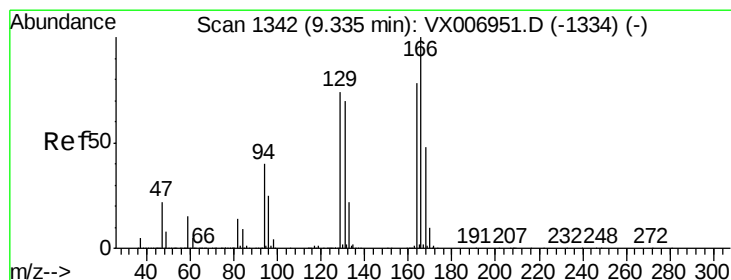
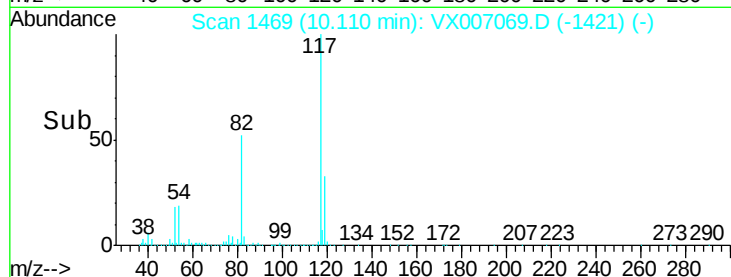
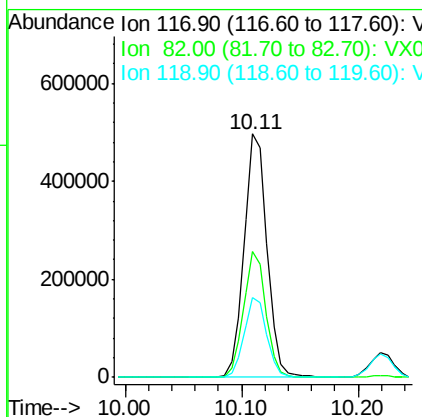
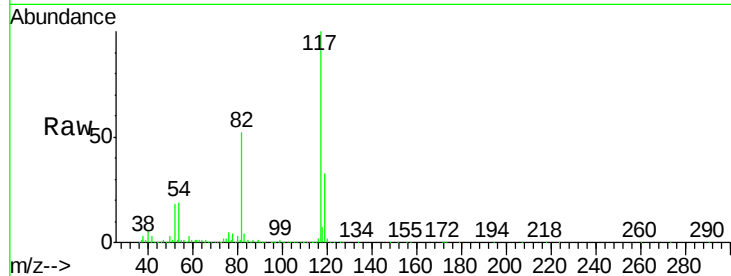




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

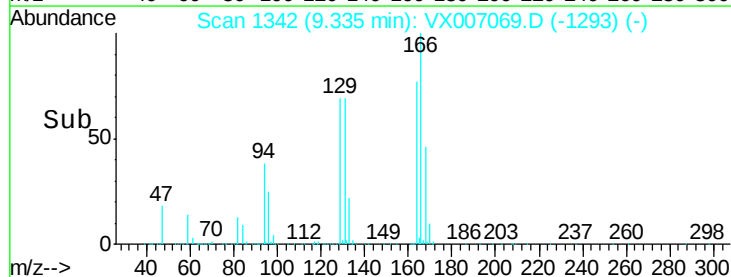
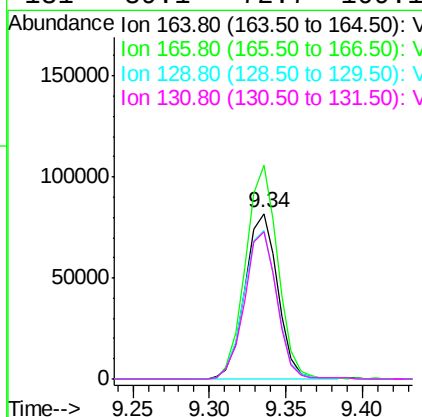
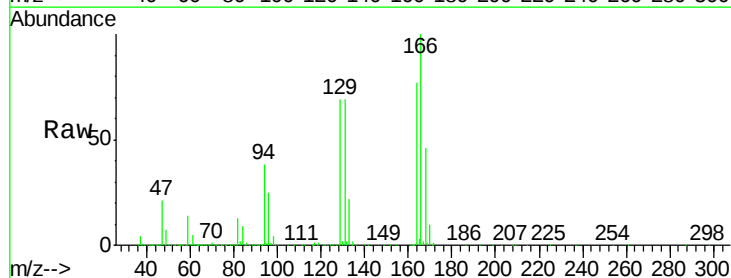
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

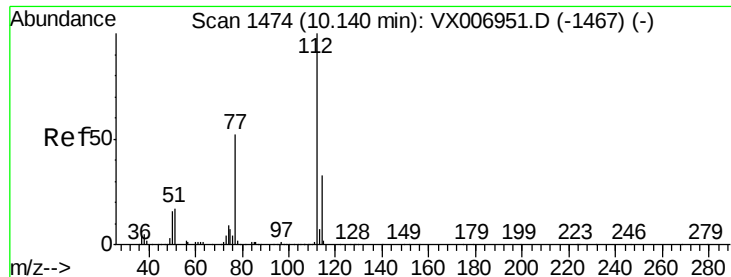
Tot Ion:117 Resp: 684977
Ion Ratio Lower Upper
117 100
82 51.9 41.0 61.6
119 32.6 25.4 38.0



#64
Tetrachloroethene
Concen: 20.390 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion:164 Resp: 120922
Ion Ratio Lower Upper
164 100
166 129.3 102.5 153.7
129 89.8 75.1 112.7
131 89.1 72.7 109.1





#65

Chlorobenzene

Concen: 20.418 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

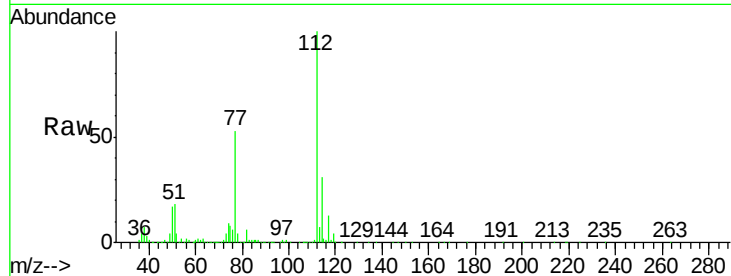
VX0116WBS01

Tot Ion:112 Resp: 305037

Ion Ratio Lower Upper

112 100

114 31.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

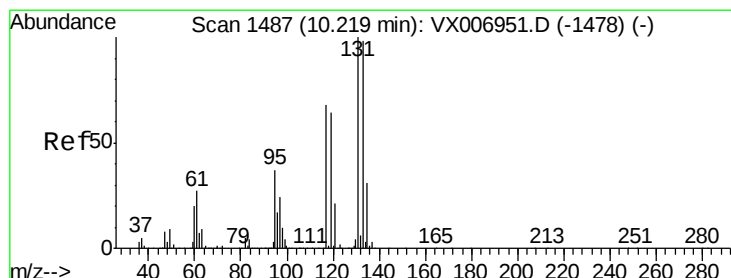
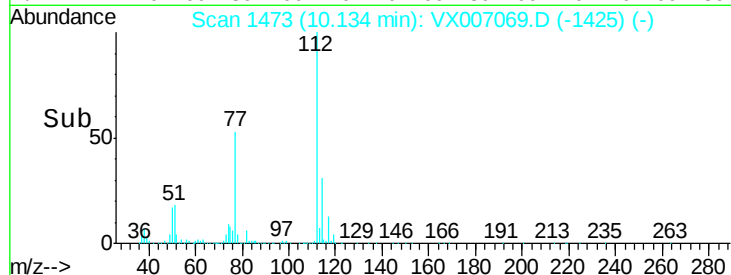
50000

0

10.13

10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.969 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

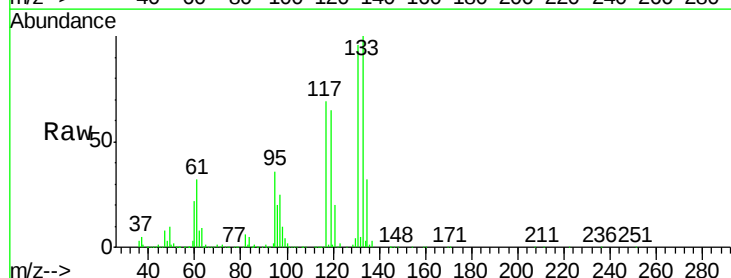
Tgt Ion:131 Resp: 100358

Ion Ratio Lower Upper

131 100

133 98.0 48.0 144.2

119 65.2 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

100000

80000

60000

40000

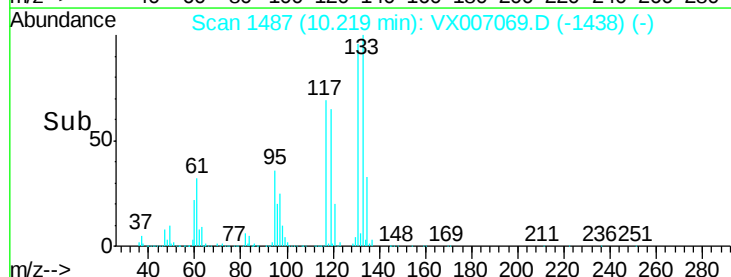
20000

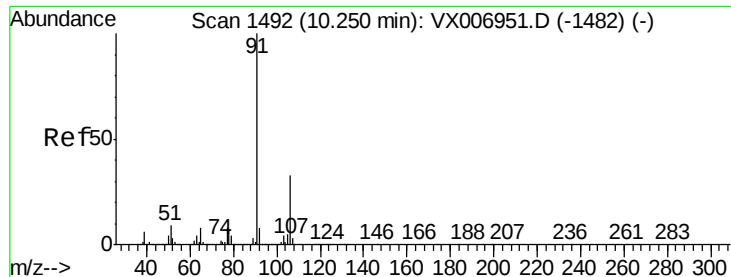
0

10.22

10.15 10.25 10.30

Time-->





#67

Ethyl Benzene

Concen: 20.103 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

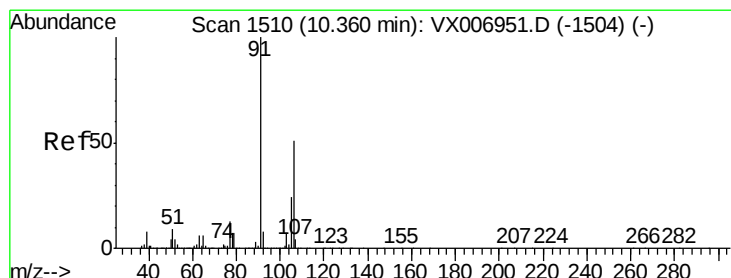
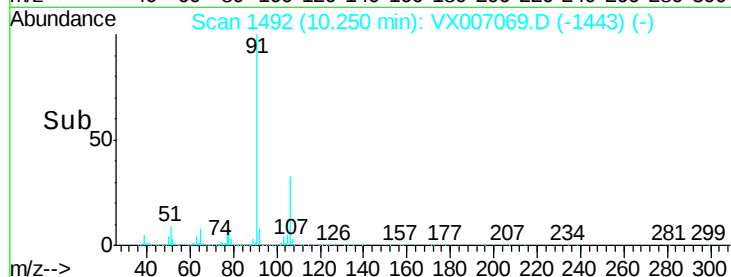
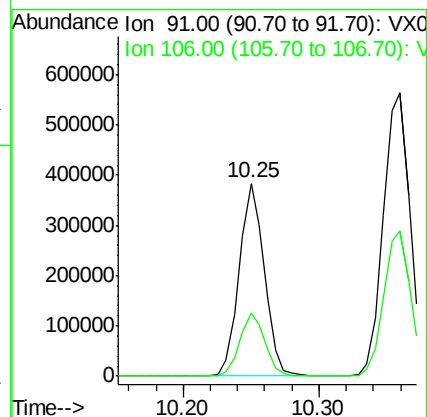
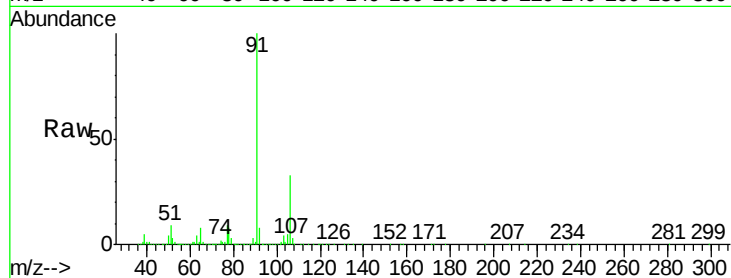
VX0116WBS01

Tot Ion: 91 Resp: 495825

Ion Ratio Lower Upper

91 100

106 32.7 26.4 39.6



#68

m/p-Xylenes

Concen: 40.938 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007069.D

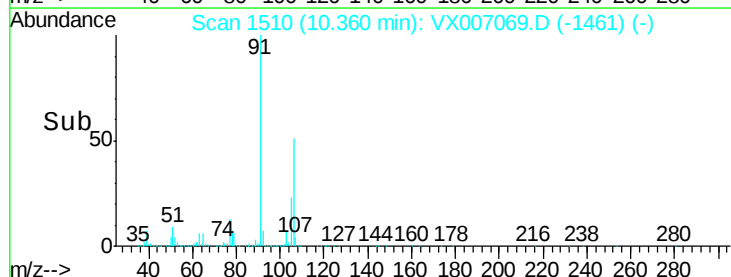
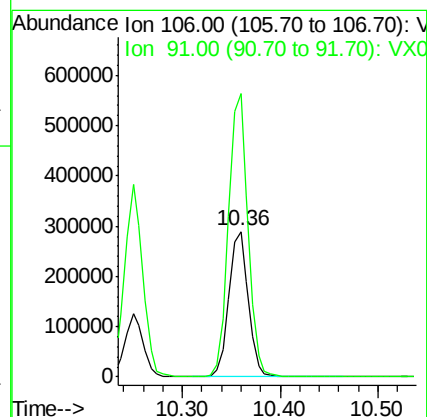
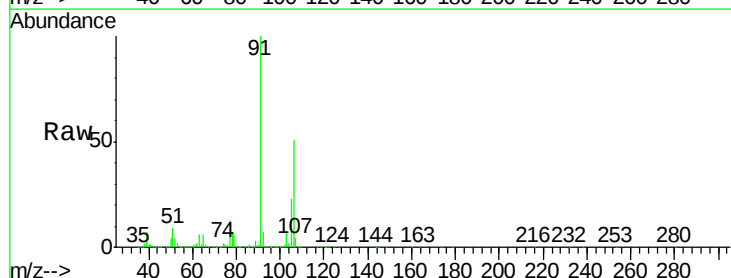
Acq: 16 Jan 2019 12:07

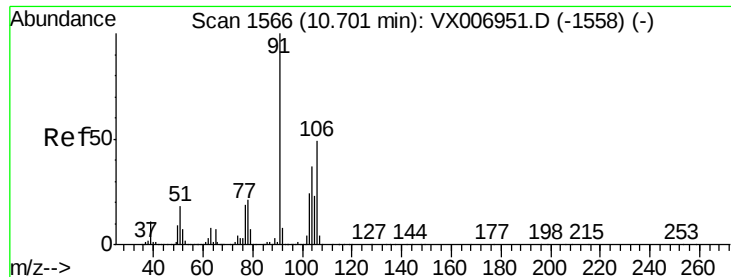
Tgt Ion: 106 Resp: 397802

Ion Ratio Lower Upper

106 100

91 195.7 155.8 233.6

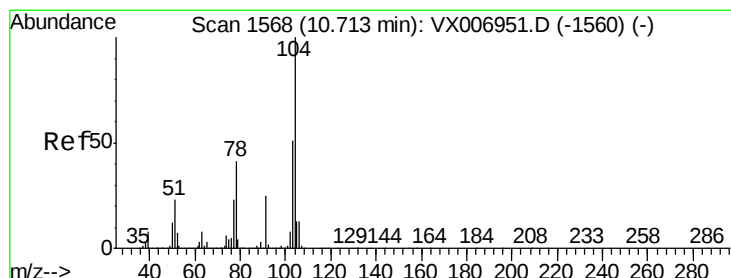
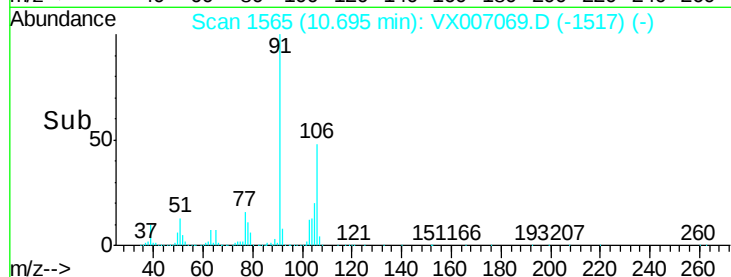
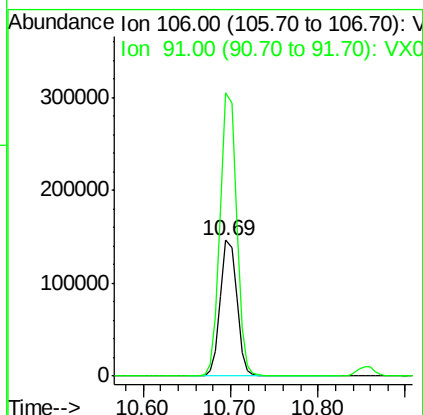
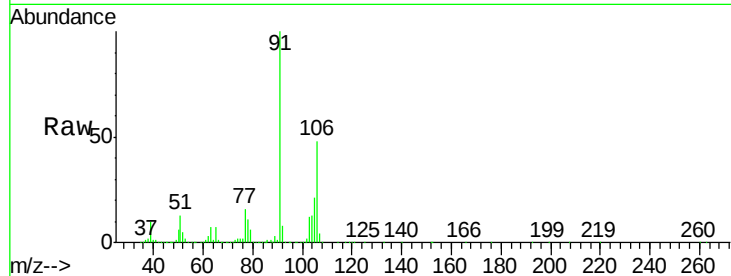




#69
o-Xylene
Concen: 20.393 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

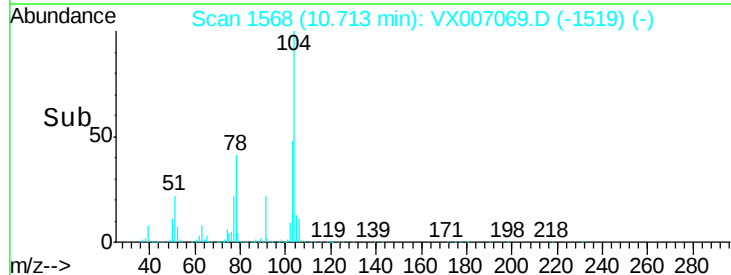
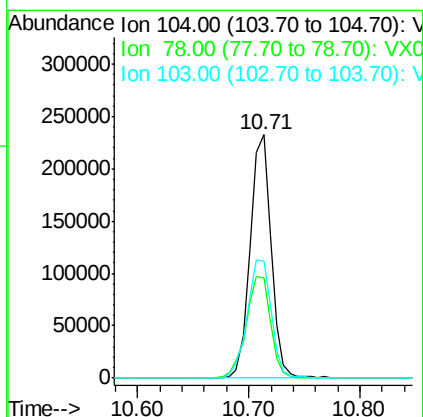
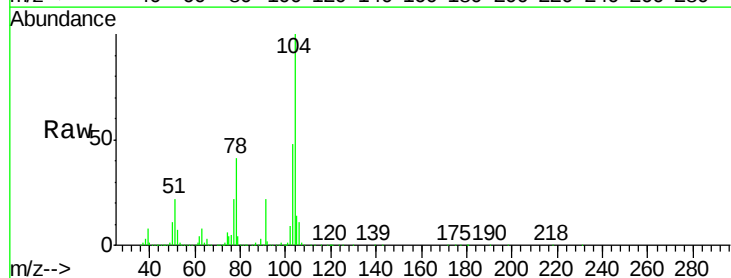
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

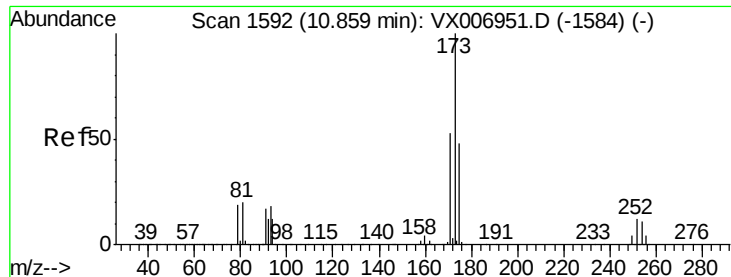
Tot Ion:106 Resp: 193253
Ion Ratio Lower Upper
106 100
91 205.8 101.3 303.7



#70
Styrene
Concen: 20.352 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion:104 Resp: 305468
Ion Ratio Lower Upper
104 100
78 48.9 37.7 56.5
103 56.0 43.8 65.8





#71

Bromoform

Concen: 19.228 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

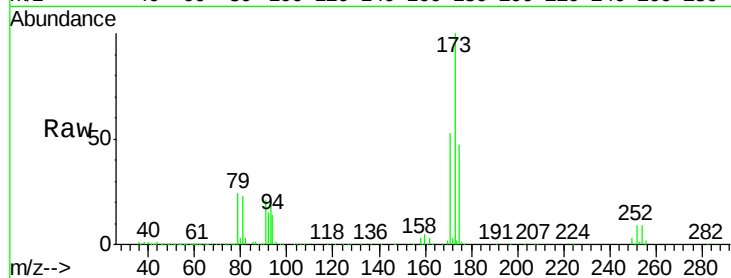
Tot Ion:173 Resp: 72009

Ion Ratio Lower Upper

173 100

175 50.7 24.7 74.1

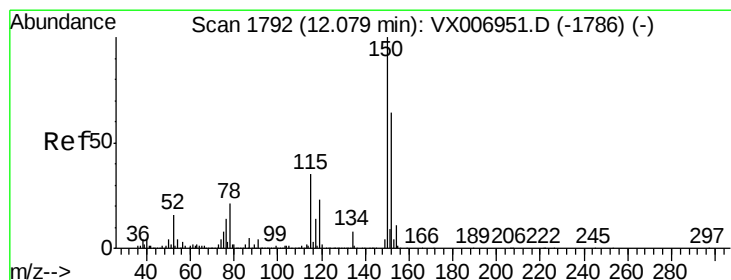
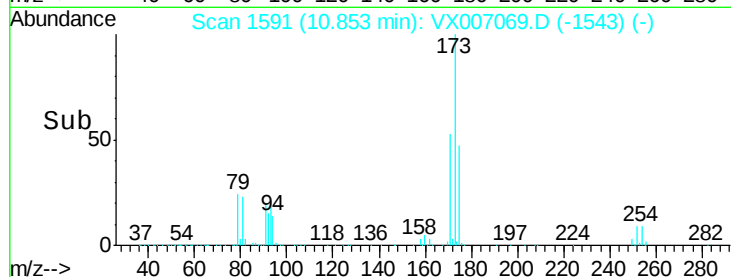
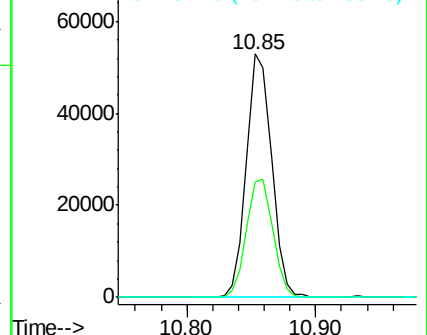
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

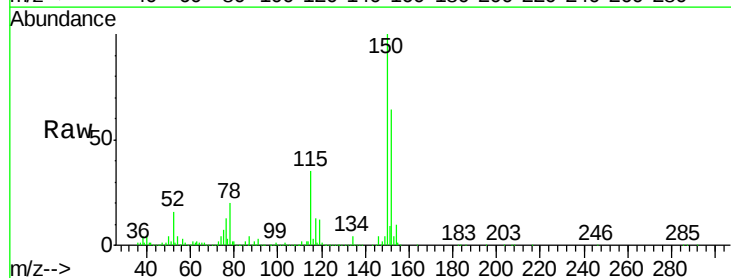
Tgt Ion:152 Resp: 358392

Ion Ratio Lower Upper

152 100

115 64.5 39.1 117.2

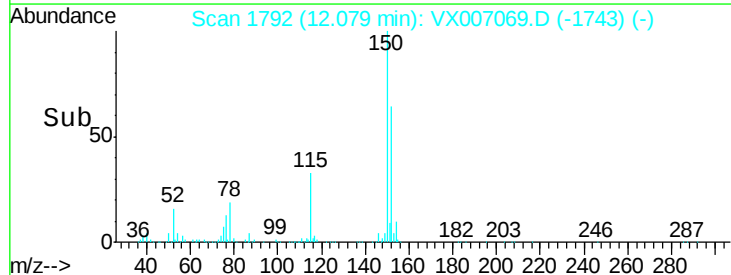
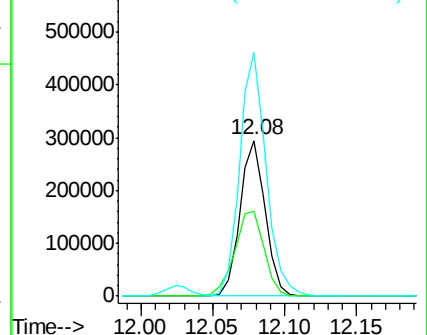
150 164.5 0.0 344.8

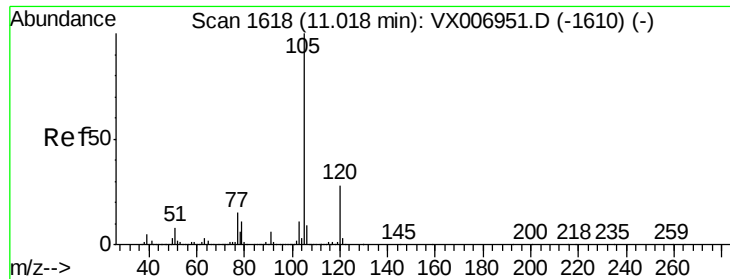


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.433 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

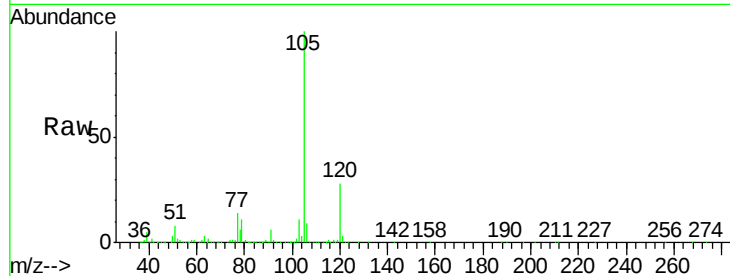
VX0116WBS01

Tot Ion:105 Resp: 516380

Ion Ratio Lower Upper

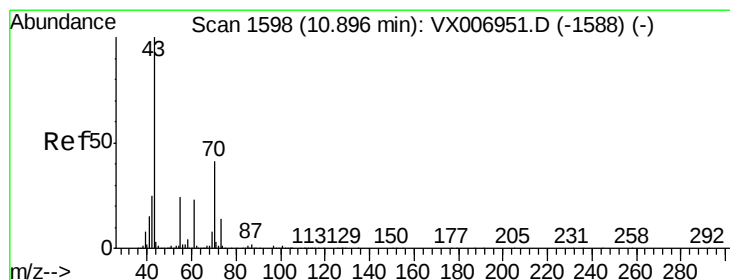
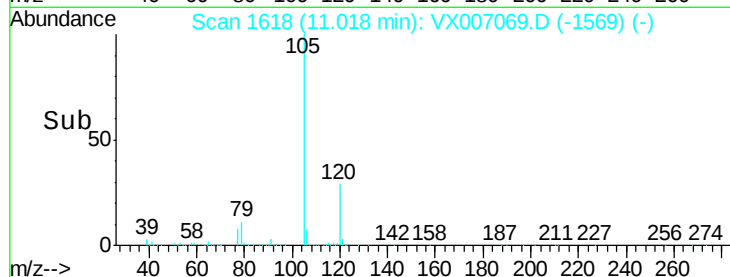
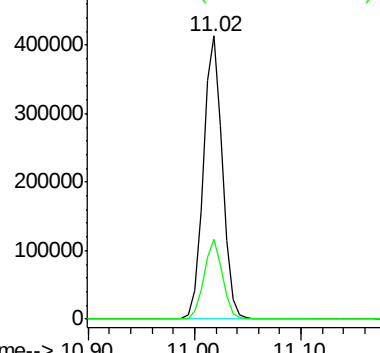
105 100

120 27.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.250 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Tgt Ion: 43 Resp: 195867

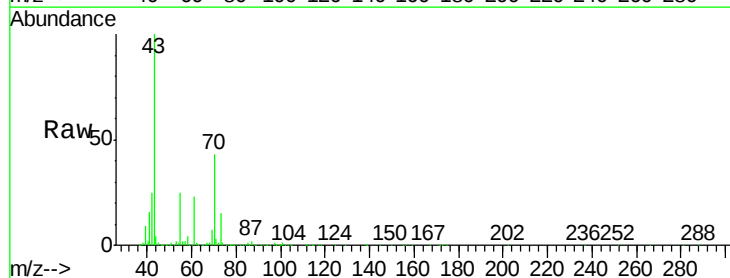
Ion Ratio Lower Upper

43 100

70 42.7 35.8 53.8

55 25.2 19.4 29.0

61 23.9 20.1 30.1

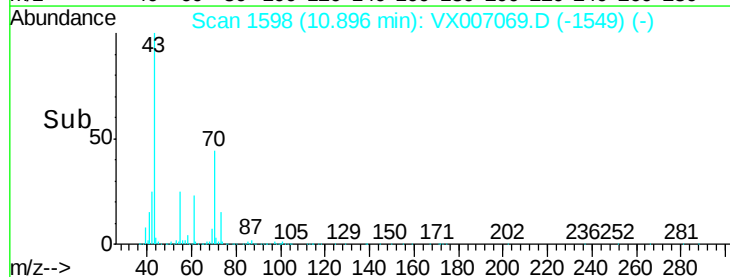
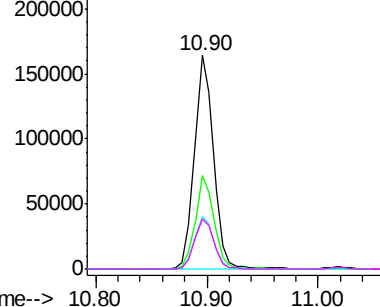


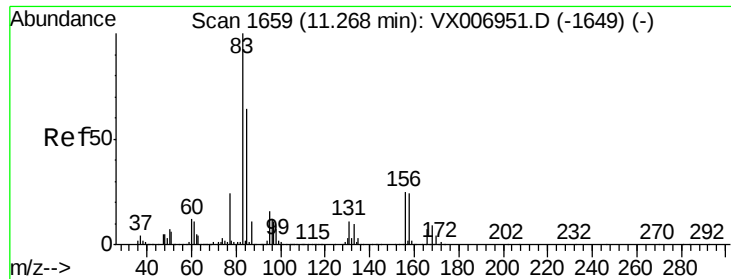
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.591 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

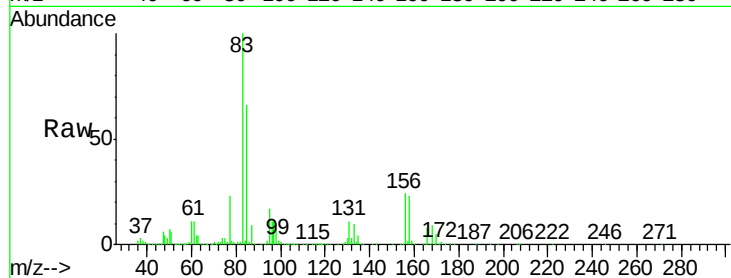
Tot Ion: 83 Resp: 157174

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

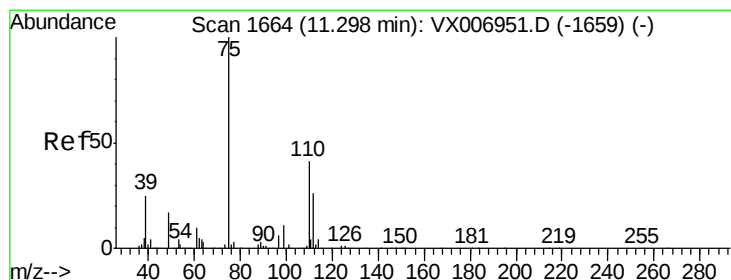
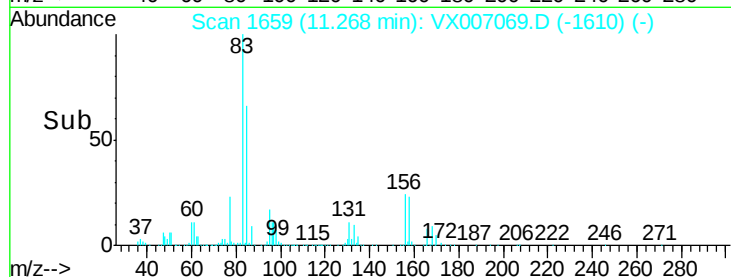
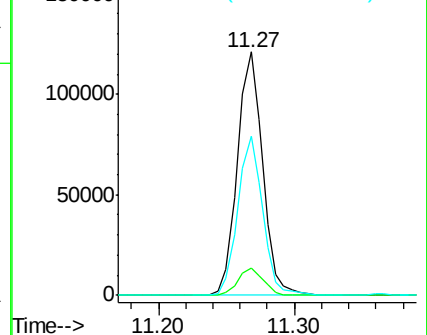
85 64.7 32.2 96.6



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: 23.282 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007069.D

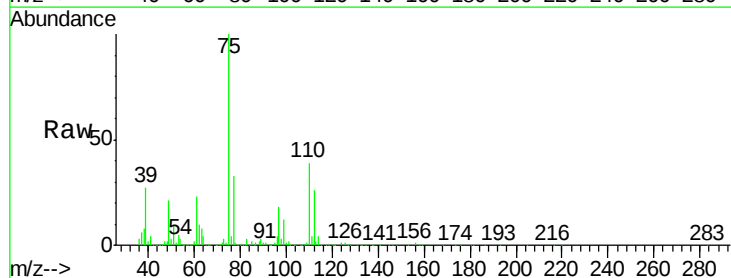
Acq: 16 Jan 2019 12:07

Tgt Ion: 75 Resp: 169089

Ion Ratio Lower Upper

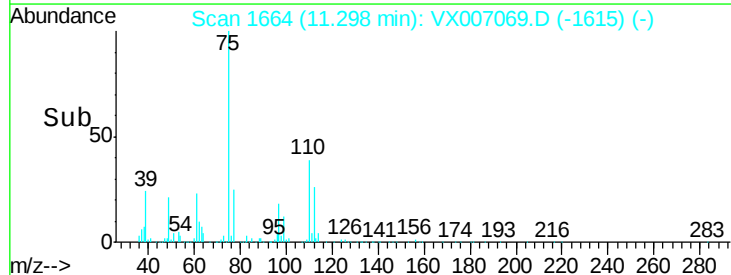
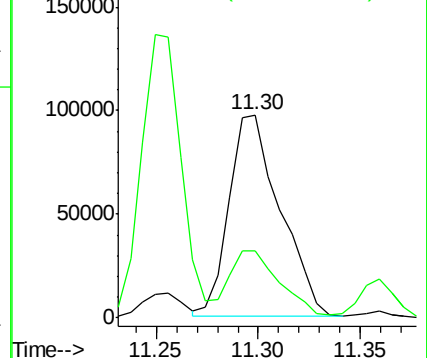
75 100

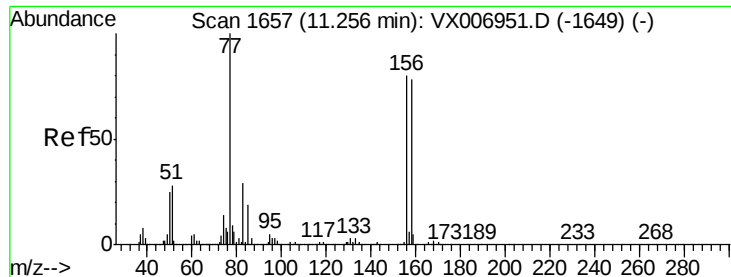
77 33.9 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.909 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

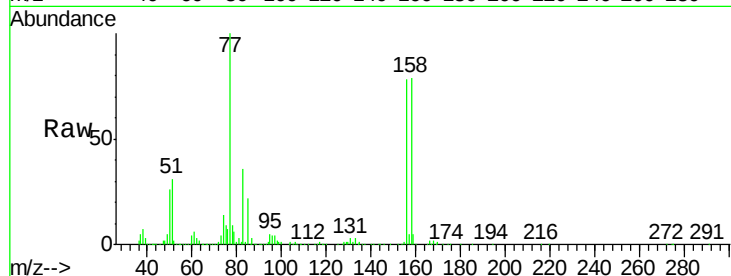
Tot Ion:156 Resp: 138632

Ion Ratio Lower Upper

156 100

77 133.4 68.0 204.0

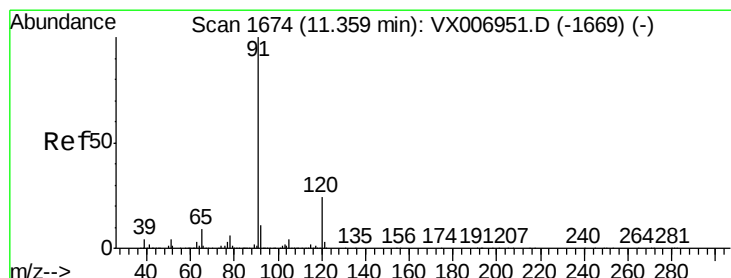
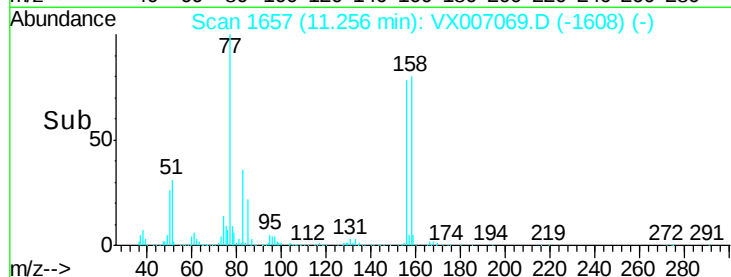
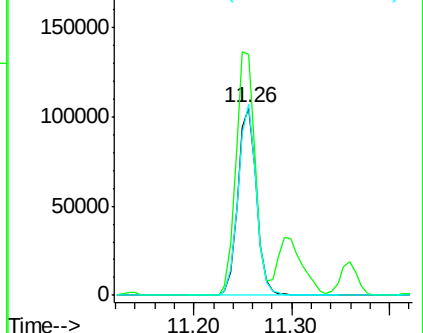
158 99.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.738 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007069.D

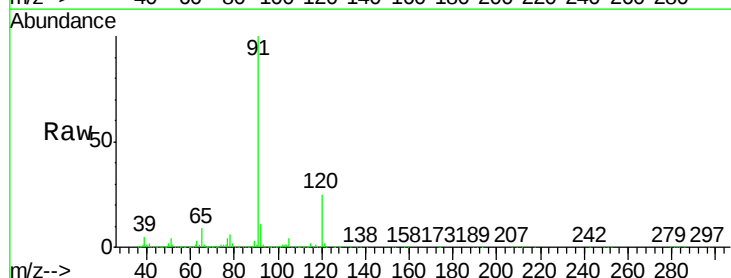
Acq: 16 Jan 2019 12:07

Tgt Ion: 91 Resp: 575327

Ion Ratio Lower Upper

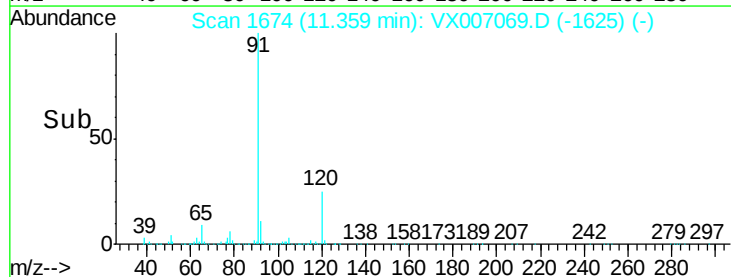
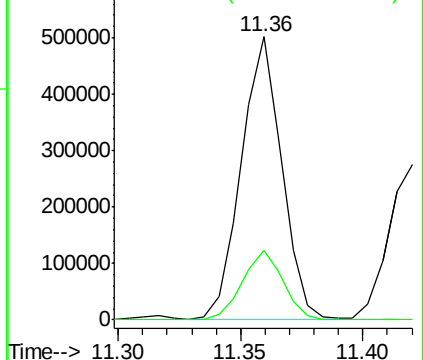
91 100

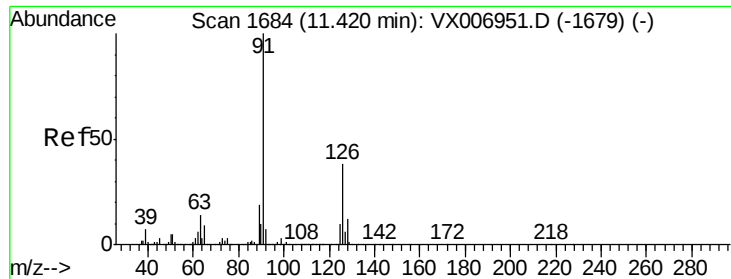
120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.264 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

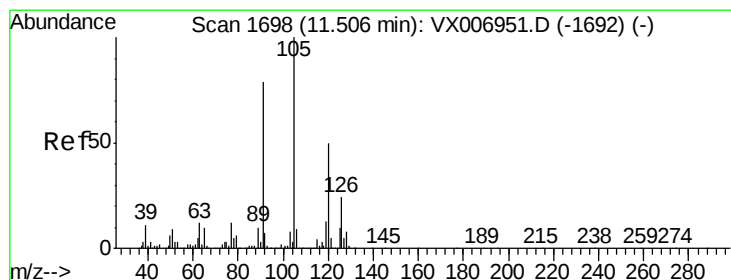
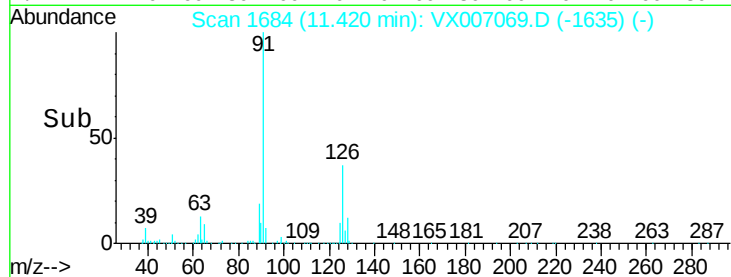
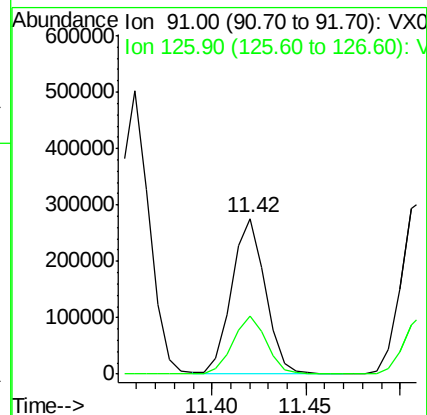
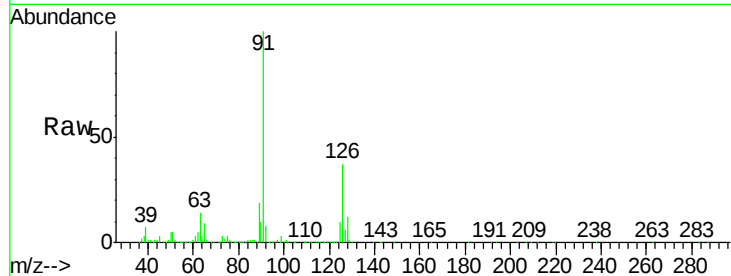
VX0116WBS01

Tot Ion: 91 Resp: 338417

Ion Ratio Lower Upper

91 100

126 37.4 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 20.390 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007069.D

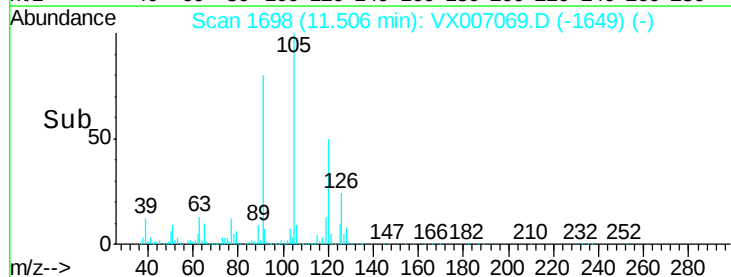
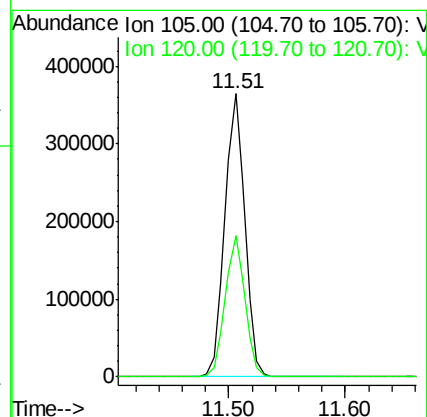
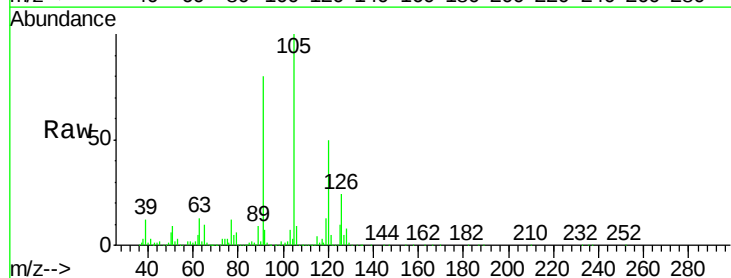
Acq: 16 Jan 2019 12:07

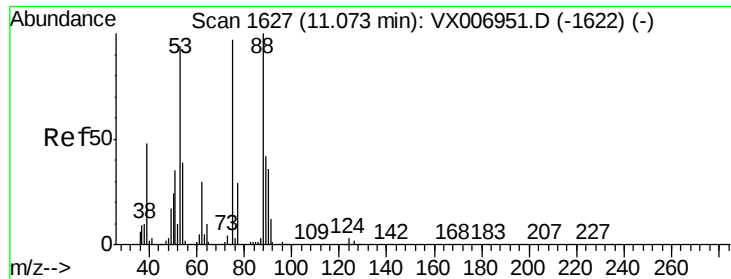
Tgt Ion: 105 Resp: 430570

Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.036 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

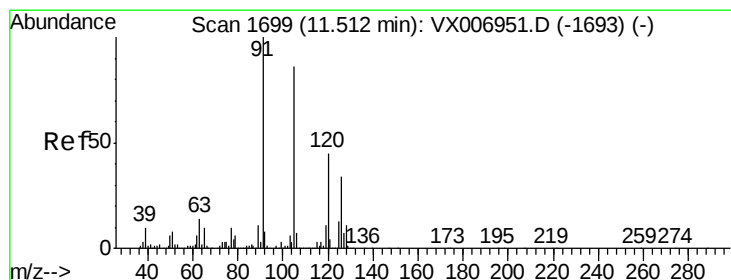
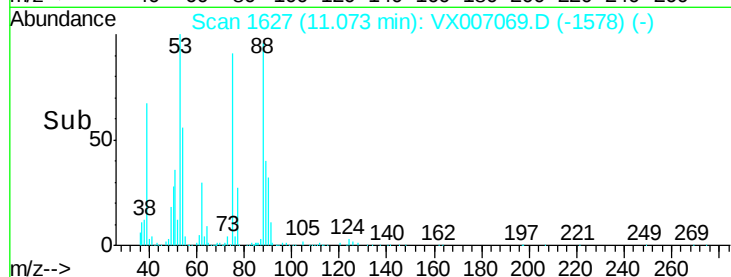
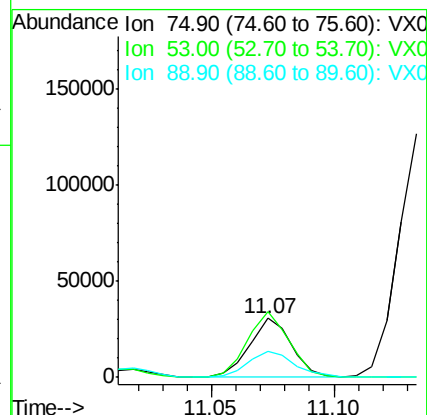
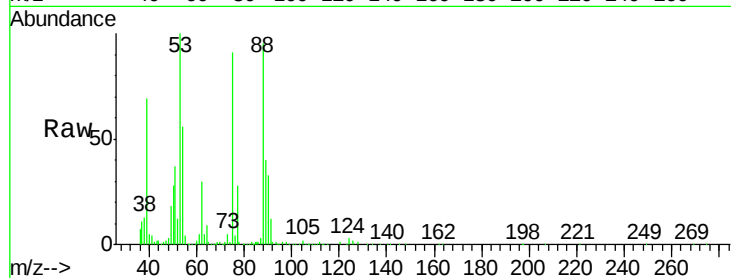
Tot Ion: 75 Resp: 37109

Ion Ratio Lower Upper

75 100

53 108.6 79.7 119.5

89 49.3 38.0 57.0



#82

4-Chlorotoluene

Concen: 20.310 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007069.D

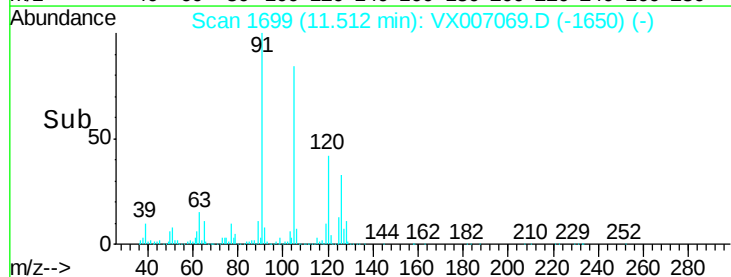
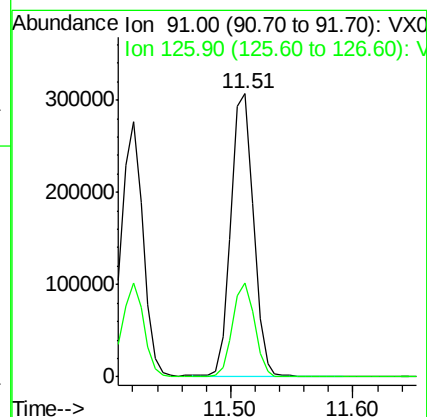
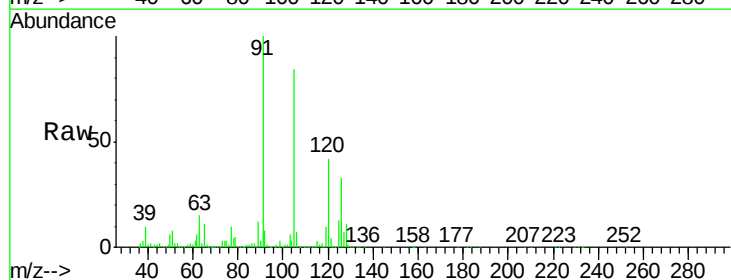
Acq: 16 Jan 2019 12:07

Tgt Ion: 91 Resp: 392711

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





#83

tert-Butylbenzene

Concen: 20.142 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBS01

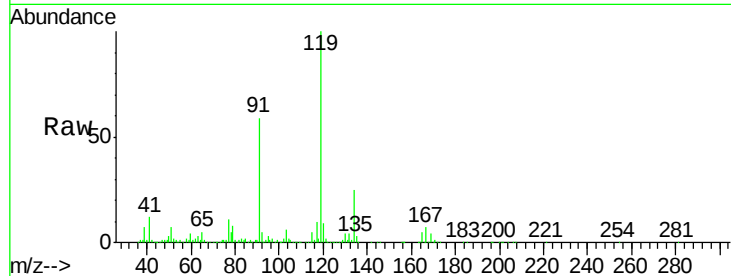
Tot Ion:119 Resp: 424367

Ion Ratio Lower Upper

119 100

91 55.7 27.7 83.1

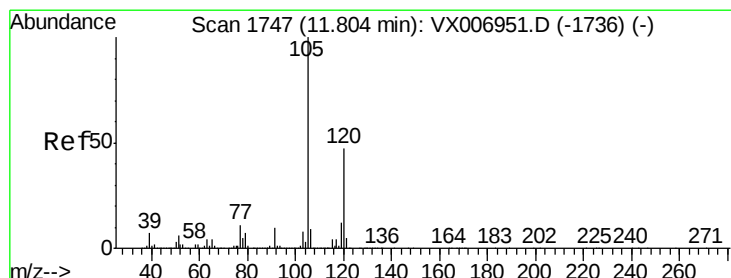
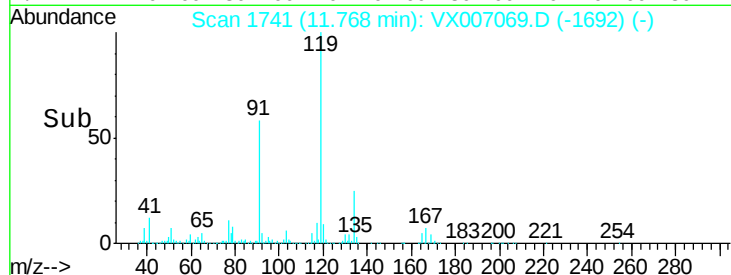
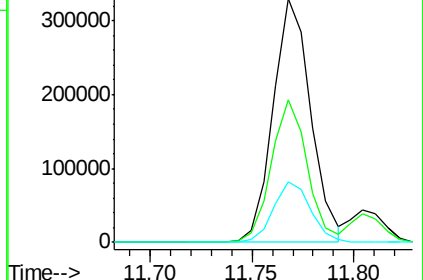
134 24.6 11.9 35.5



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: 20.654 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007069.D

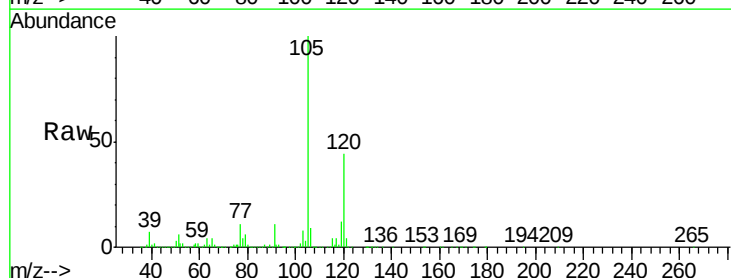
Acq: 16 Jan 2019 12:07

Tgt Ion:105 Resp: 438577

Ion Ratio Lower Upper

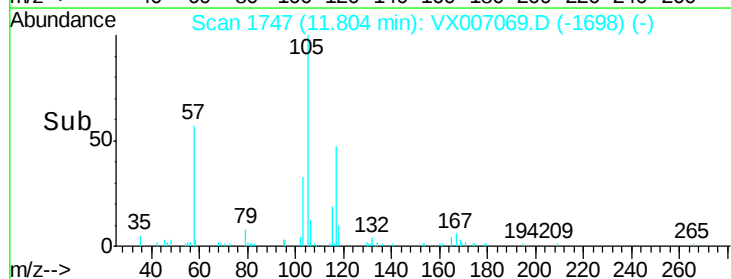
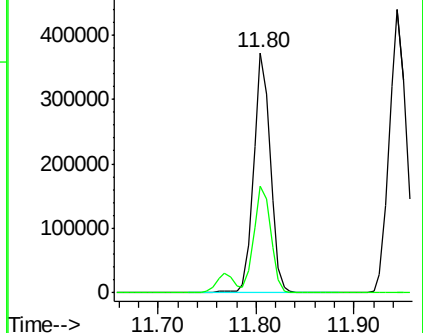
105 100

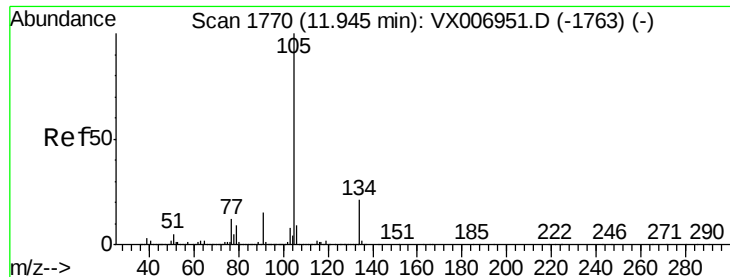
120 45.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

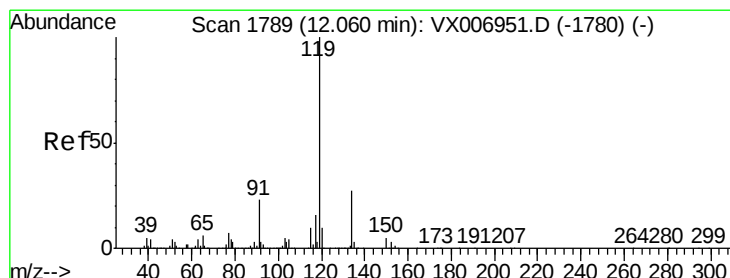
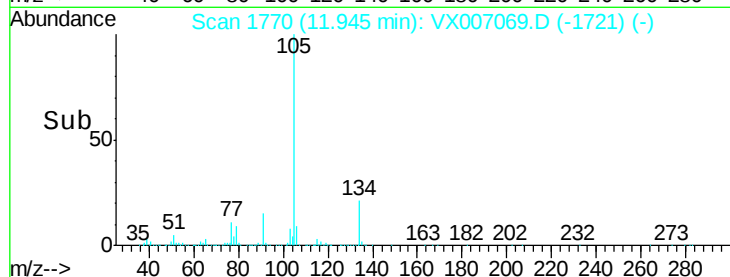
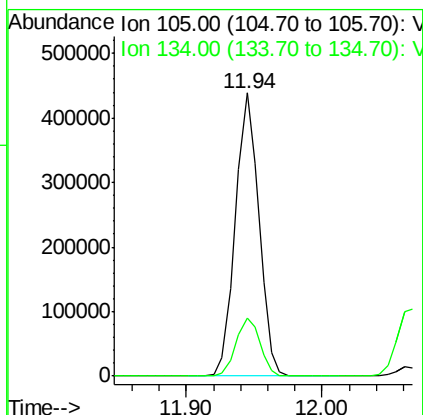
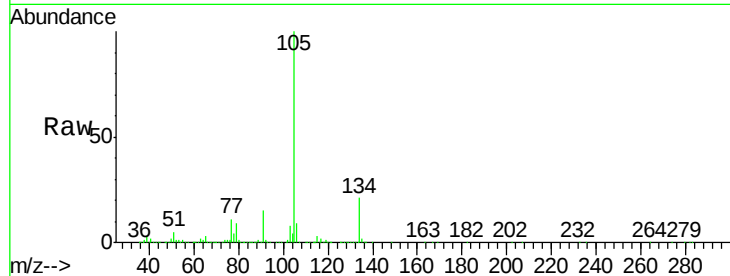




#85
 sec-Butylbenzene
 Concen: 21.064 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

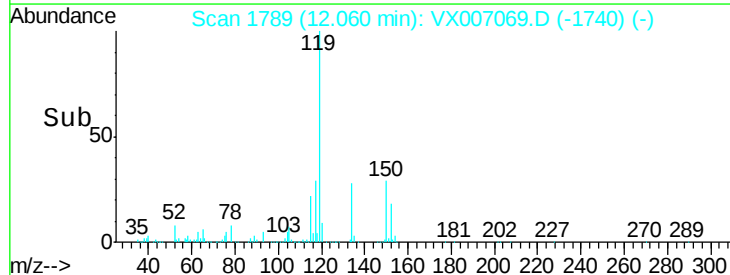
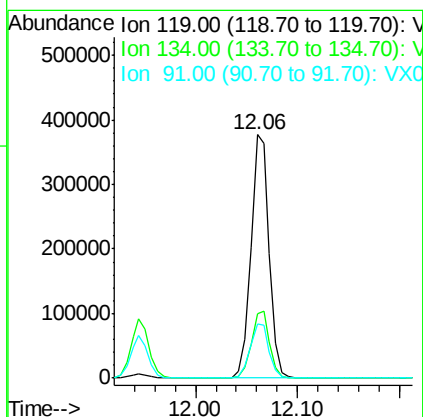
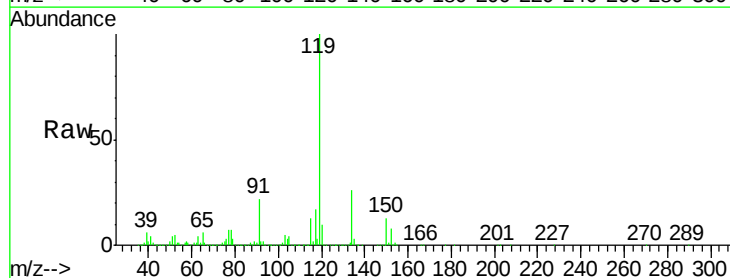
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

Tot Ion:105 Resp: 529998
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 20.811 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Tgt Ion:119 Resp: 468382
 Ion Ratio Lower Upper
 119 100
 134 27.7 14.0 41.9
 91 23.0 11.3 33.9

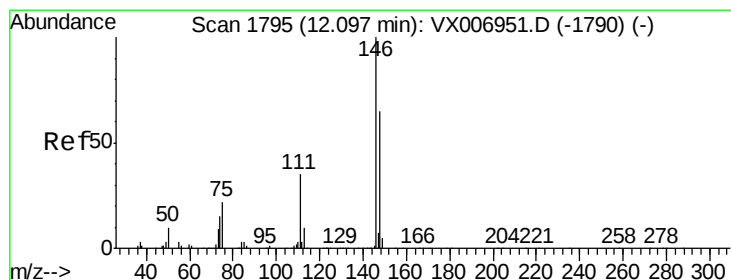
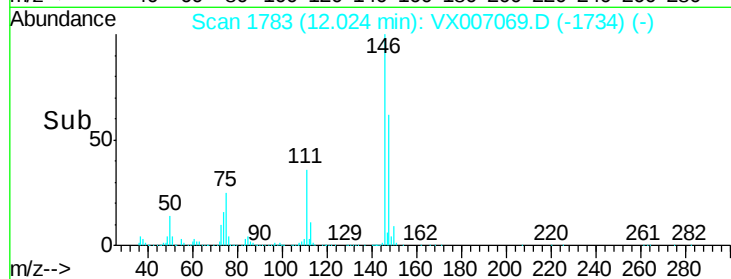
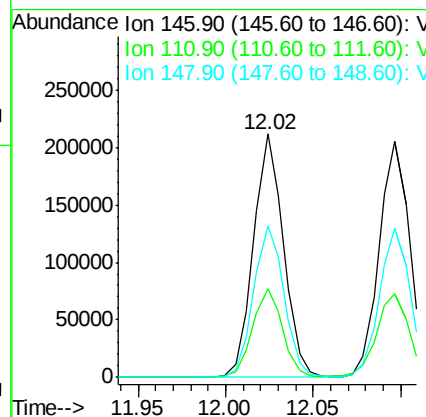
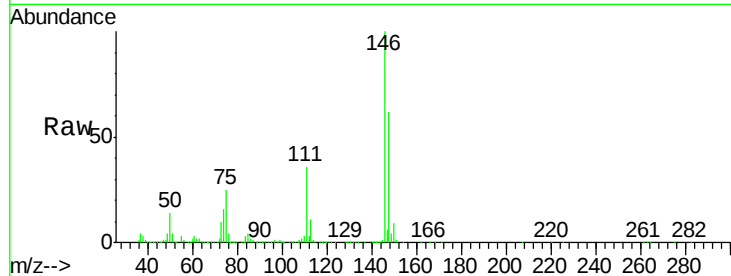




#87
 1,3-Dichlorobenzene
 Concen: 20.058 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

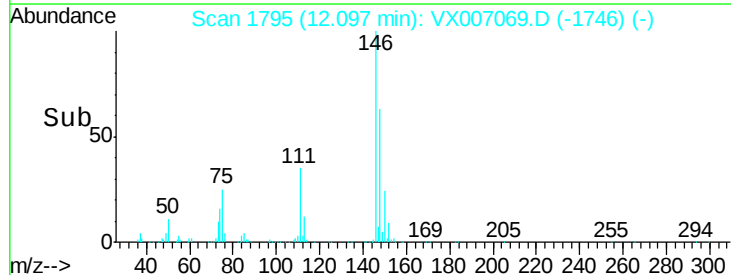
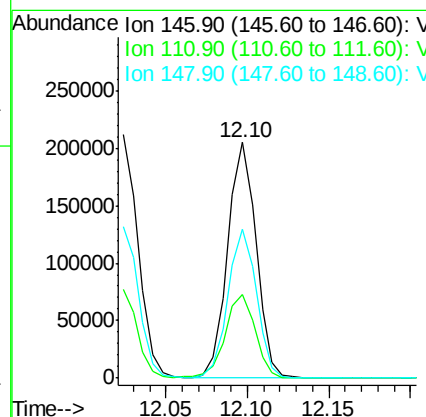
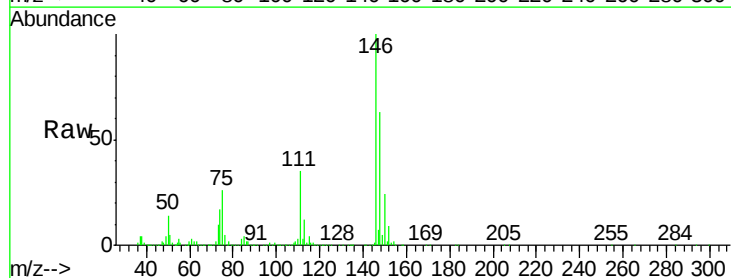
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

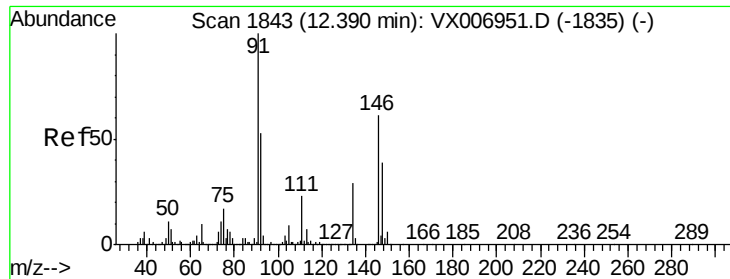
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	55.8
148	63.4	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.990 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	63.7	31.9	95.9

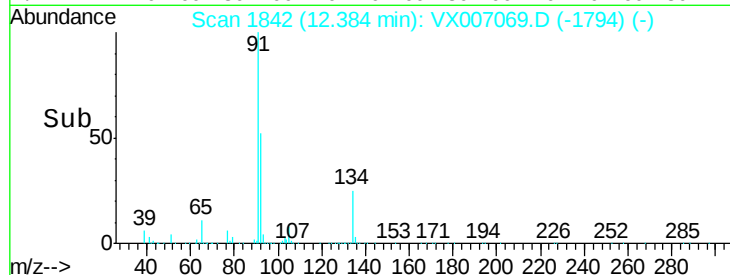
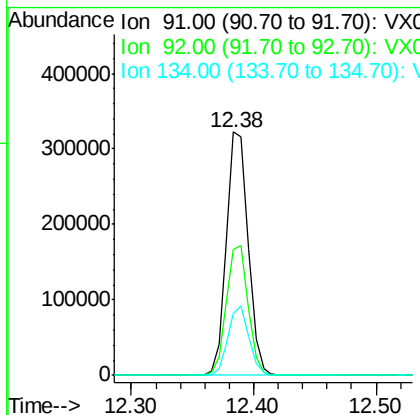
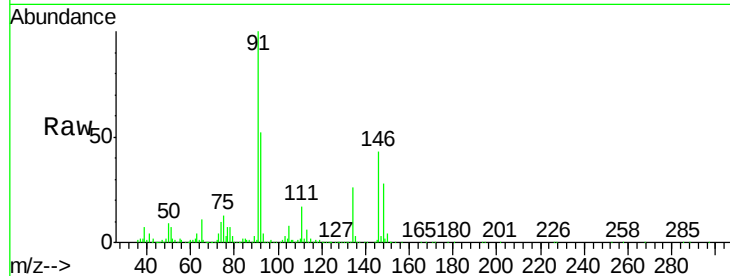




#89
n-Butylbenzene
Concen: 20.581 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

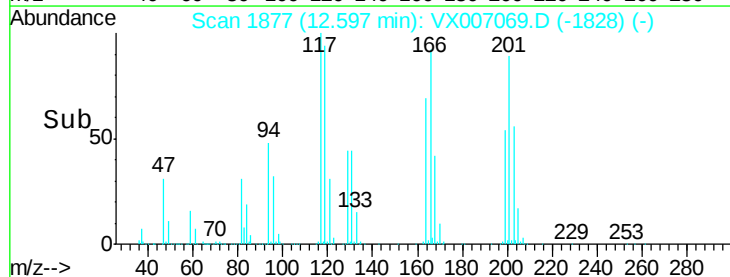
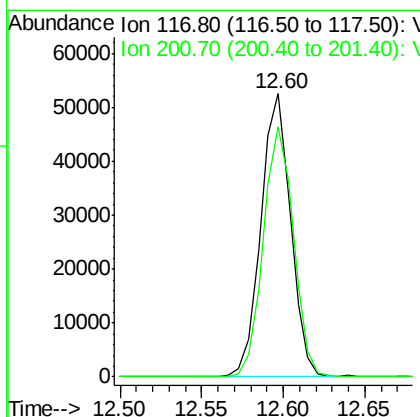
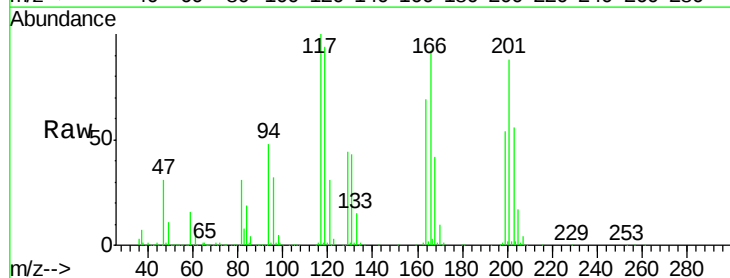
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBS01

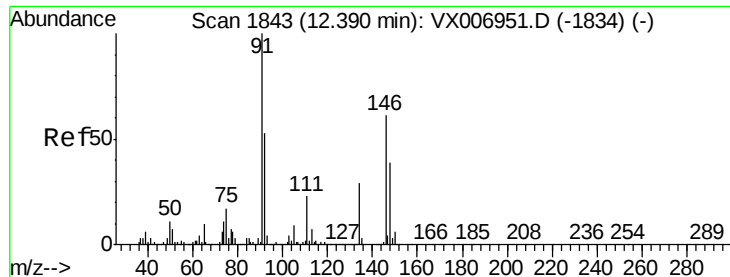
Tot Ion: 91 Resp: 394853
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.4
134 27.5 14.4 43.2



#90
Hexachloroethane
Concen: 20.359 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007069.D
Acq: 16 Jan 2019 12:07

Tgt Ion: 117 Resp: 66573
Ion Ratio Lower Upper
117 100
201 89.4 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 19.755 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

VX0116WBS01

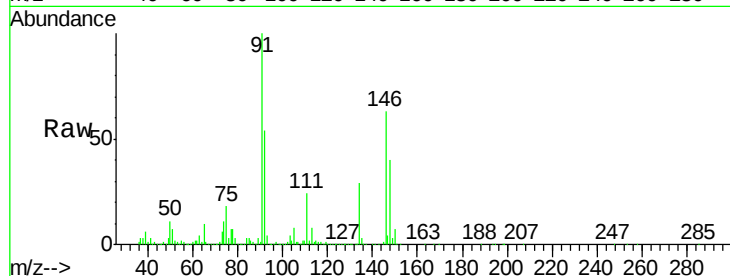
Tot Ion:146 Resp: 245364

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.2

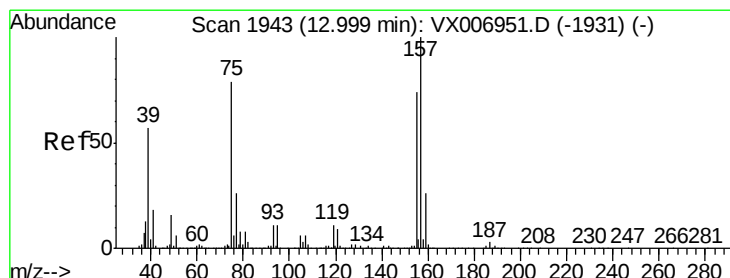
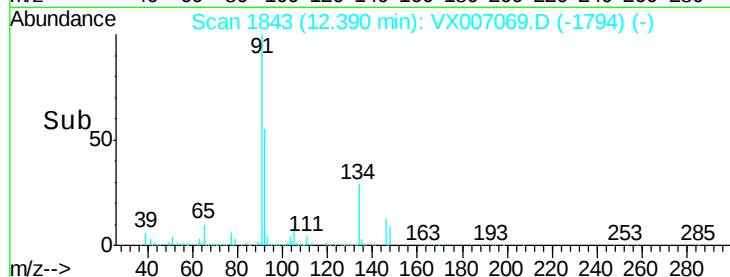
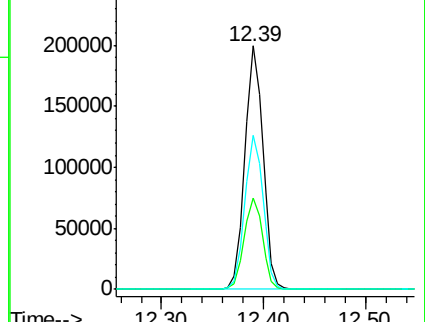
148 64.3 32.3 96.9



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: 18.604 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

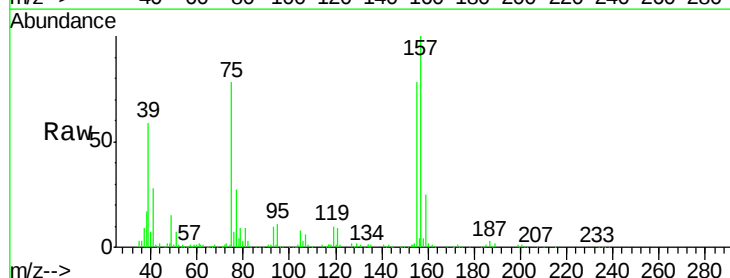
Tgt Ion: 75 Resp: 29520

Ion Ratio Lower Upper

75 100

155 103.1 50.6 151.8

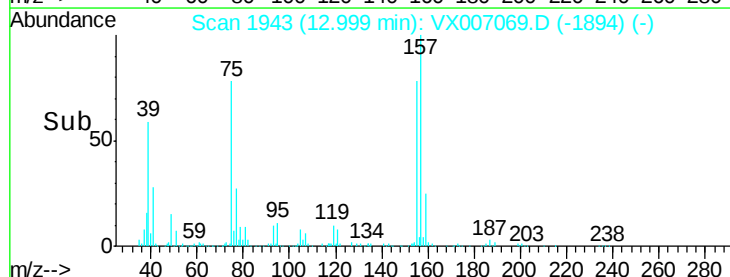
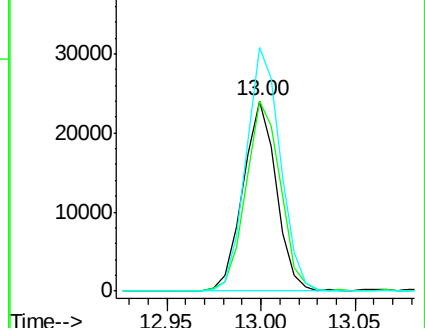
157 131.4 64.6 193.8



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

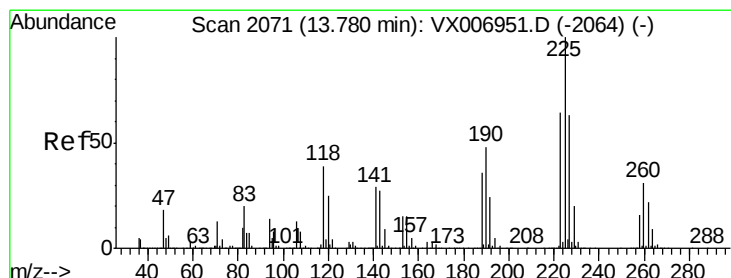
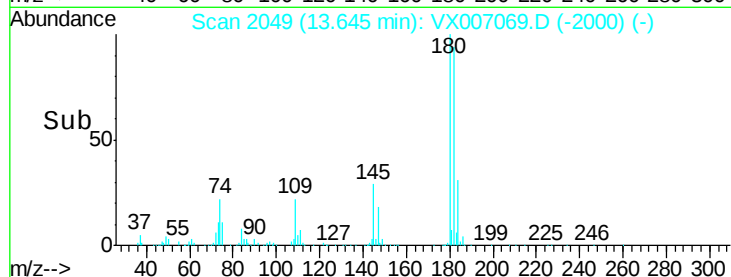
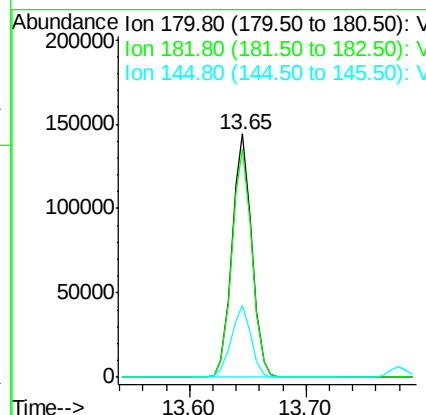
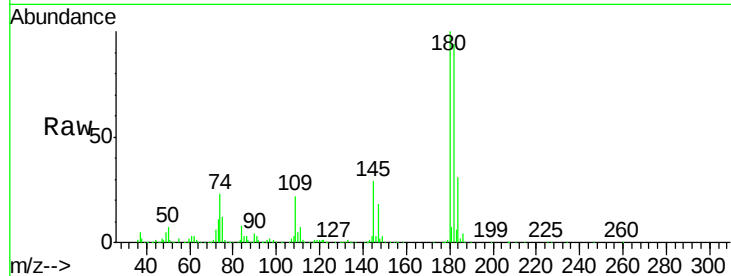




#93
 1,2,4-Trichlorobenzene
 Concen: 19.831 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

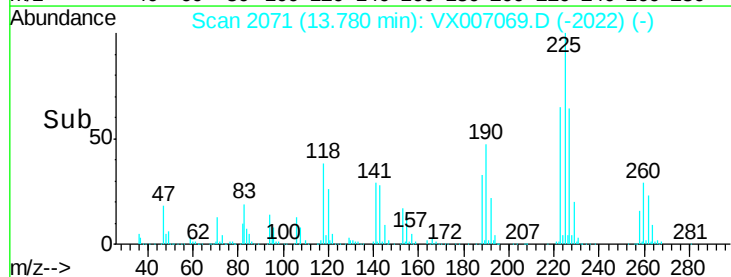
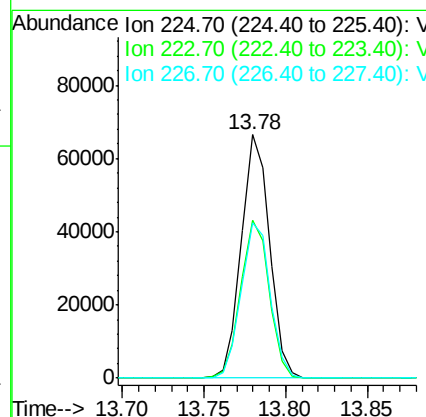
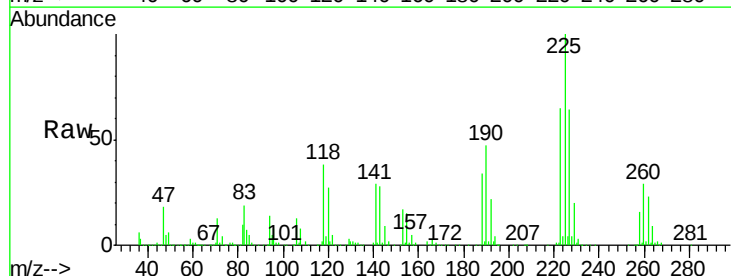
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	29.7	14.8	44.3



#94
 Hexachlorobutadiene
 Concen: 21.272 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007069.D
 Acq: 16 Jan 2019 12:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.1	96.3
227	65.3	32.3	96.8





#95

Naphthalene

Concen: 19.918 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

VX0116WBS01

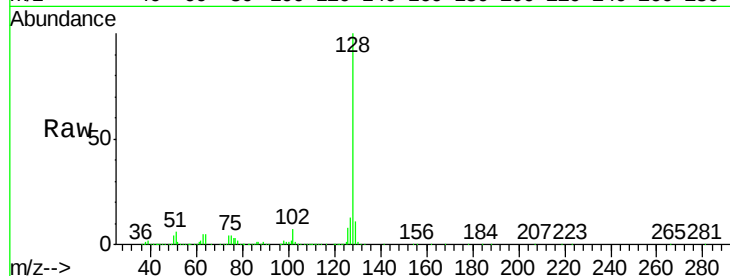
Tot Ion:128 Resp: 514315

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

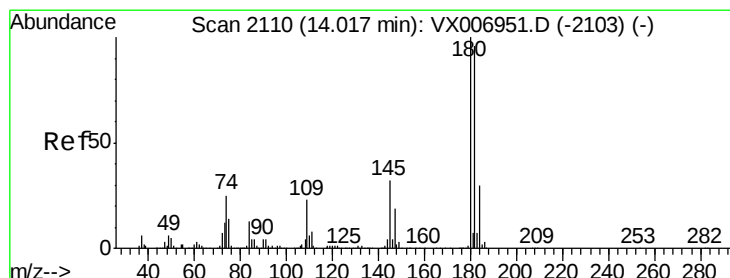
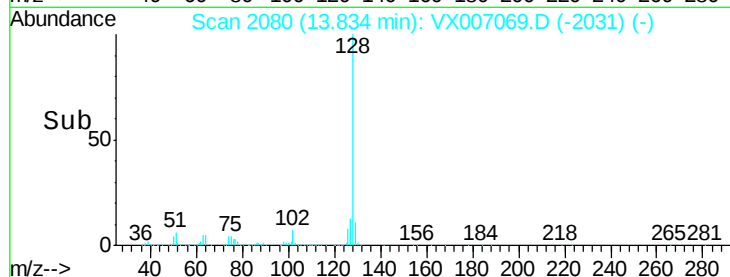
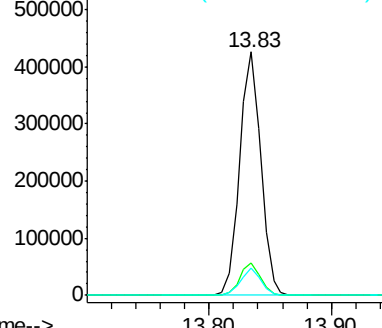
129 10.6 8.6 13.0



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: 20.025 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007069.D

Acq: 16 Jan 2019 12:07

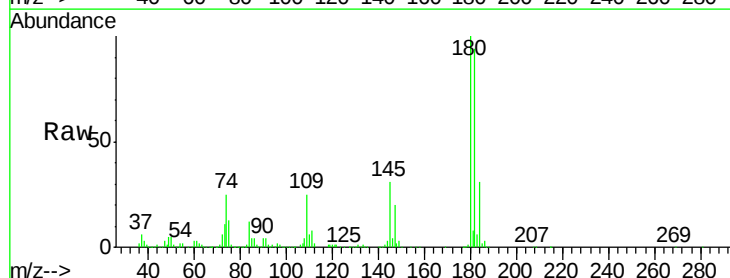
Tgt Ion:180 Resp: 169514

Ion Ratio Lower Upper

180 100

182 95.5 48.5 145.5

145 30.4 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

