

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050077.D
 Acq On : 26 Jul 2018 13:02
 Operator : MD\SY
 Sample : VN0726WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Quant Time: Jul 27 01:18:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	577507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	786849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	383573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	414795	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.59	113	361317	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1281337	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	409875	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159108	19.17	ug/l	99
3) Chloromethane	2.06	50	167900	18.61	ug/l	99
4) Vinyl Chloride	2.18	62	169328	17.83	ug/l	97
5) Bromomethane	2.56	94	106955	19.67	ug/l	99
6) Chloroethane	2.70	64	102255	17.93	ug/l	96
7) Trichlorofluoromethane	3.01	101	222220	18.06	ug/l	99
8) Diethyl Ether	3.41	74	80770	19.69	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	134029	18.11	ug/l	99
10) Methyl Iodide	3.95	142	170676	17.97	ug/l	99
11) Tert butyl alcohol	4.80	59	58243	98.24	ug/l	99
12) 1,1-Dichloroethene	3.73	96	117791	17.70	ug/l	99
13) Acrolein	3.61	56	34441	72.30	ug/l	99
14) Allyl chloride	4.32	41	193631	18.76	ug/l	99
15) Acrylonitrile	5.00	53	254846	98.53	ug/l	99
16) Acetone	3.82	43	202068	103.93	ug/l	99
17) Carbon Disulfide	4.05	76	351426	17.23	ug/l	99
18) Methyl Acetate	4.33	43	168637	21.93	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	361269	20.37	ug/l	98
20) Methylene Chloride	4.55	84	147530	19.90	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	129937	18.42	ug/l	99
22) Diisopropyl ether	5.96	45	424003	20.72	ug/l	96
23) Vinyl Acetate	5.90	43	1436431	99.32	ug/l	98
24) 1,1-Dichloroethane	5.85	63	255148	19.07	ug/l	99
25) 2-Butanone	6.84	43	300890	97.90	ug/l	99
26) 2,2-Dichloropropane	6.83	77	197386	19.39	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148772	19.60	ug/l	99
28) Bromochloromethane	7.20	49	119566	19.59	ug/l	99
29) Tetrahydrofuran	7.22	42	196028	98.71	ug/l	99
30) Chloroform	7.37	83	263582	19.30	ug/l	100
31) Cyclohexane	7.66	56	197244	17.73	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	214840	18.39	ug/l	99
36) 1,1-Dichloropropene	7.79	75	180119	18.21	ug/l	99
37) Ethyl Acetate	6.94	43	135865	19.70	ug/l	99
38) Carbon Tetrachloride	7.78	117	189467	18.05	ug/l	96

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 Data File : VN050077.D
 Acq On : 26 Jul 2018 13:02
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 Sample : VN0726WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Quant Time: Jul 27 01:18:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	175957	17.29	ug/l	99
40) Benzene	8.04	78	574246	19.08	ug/l	99
41) Methacrylonitrile	7.18	41	50606	16.06	ug/l	91
42) 1,2-Dichloroethane	8.13	62	195401	19.46	ug/l	99
43) Isopropyl Acetate	8.17	43	272370	20.28	ug/l	95
44) Trichloroethene	8.84	130	145390	17.98	ug/l	99
45) 1,2-Dichloropropane	9.12	63	154182	19.34	ug/l	96
46) Dibromomethane	9.21	93	96400	19.47	ug/l	98
47) Bromodichloromethane	9.40	83	200631	19.20	ug/l	99
48) Methyl methacrylate	9.20	41	115791	19.50	ug/l	99
49) 1,4-Dioxane	9.20	88	32268	399.22	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	675963	99.71	ug/l	99
52) Toluene	10.16	92	344555	19.39	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191738	19.45	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	220108	19.54	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	139527	19.80	ug/l	99
56) Ethyl methacrylate	10.43	69	162048	18.32	ug/l	98
57) 1,3-Dichloropropane	10.71	76	230304	20.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	388235	92.60	ug/l	100
59) 2-Hexanone	10.75	43	431028	89.91	ug/l	99
60) Dibromochloromethane	10.90	129	153758	19.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132610	18.97	ug/l	98
64) Tetrachloroethene	10.63	164	142565	18.85	ug/l	99
65) Chlorobenzene	11.44	112	367460	18.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	145590	19.06	ug/l	98
67) Ethyl Benzene	11.51	91	599688	18.78	ug/l	100
68) m/p-Xylenes	11.63	106	463611	38.39	ug/l	100
69) o-Xylene	11.95	106	224059	19.46	ug/l	99
70) Styrene	11.97	104	356339	18.01	ug/l	100
71) Bromoform	12.13	173	105821	19.05	ug/l	# 100
73) Isopropylbenzene	12.25	105	585310	19.68	ug/l	100
74) N-amyl acetate	12.07	43	172342	18.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	174731	20.96	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	206482	28.97	ug/l	# 100
77) Bromobenzene	12.53	156	157240	19.07	ug/l	98
78) n-propylbenzene	12.59	91	657784	19.78	ug/l	99
79) 2-Chlorotoluene	12.68	91	409100	19.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	487368	20.83	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	44375	19.74	ug/l	96
82) 4-Chlorotoluene	12.78	91	403421	19.77	ug/l	99
83) tert-Butylbenzene	12.99	119	403959	19.78	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	489631	20.76	ug/l	99
85) sec-Butylbenzene	13.17	105	540240	19.80	ug/l	100
86) p-Isopropyltoluene	13.29	119	456451	19.85	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266799	19.09	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	254165	18.66	ug/l	99
89) n-Butylbenzene	13.62	91	343553	18.17	ug/l	99
90) Hexachloroethane	13.88	117	92413	18.10	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	267924	19.18	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26526	19.52	ug/l	98

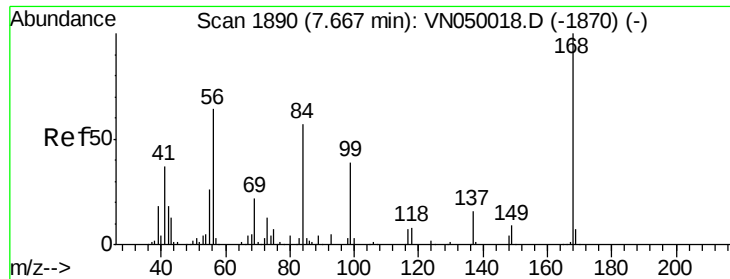
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
Data File : VN050077.D
Acq On : 26 Jul 2018 13:02
Operator : MD\SY
Sample : VN0726WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0726WBSD01

Quant Time: Jul 27 01:18:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104821	16.36	ug/l	98
94) Hexachlorobutadiene	15.01	225	77601	18.14	ug/l	99
95) Naphthalene	15.14	128	222322	15.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	113395	17.22	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

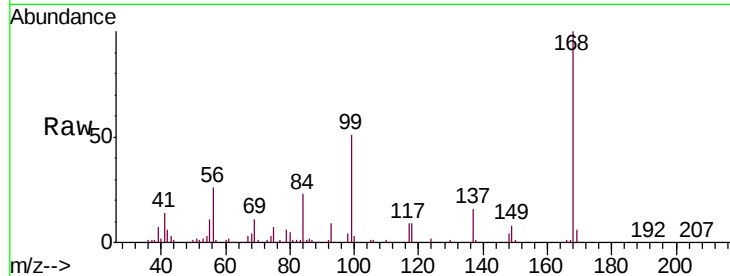
VN0726WBSD01

Tot Ion:168 Resp: 577507

Ion Ratio Lower Upper

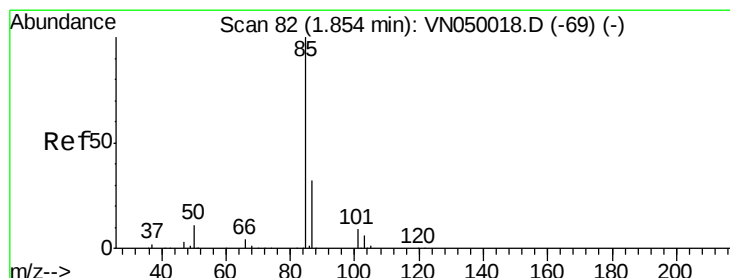
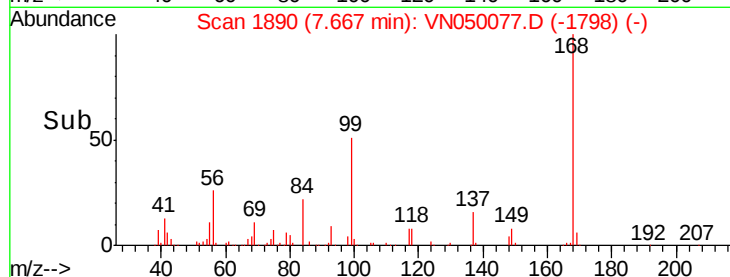
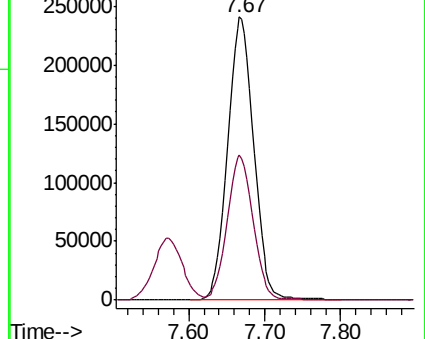
168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.17 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050077.D

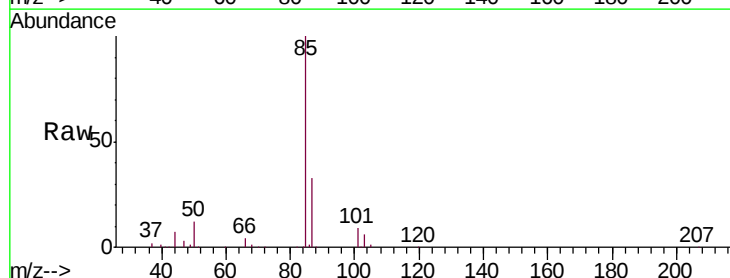
Acq: 26 Jul 2018 13:02

Tgt Ion: 85 Resp: 159108

Ion Ratio Lower Upper

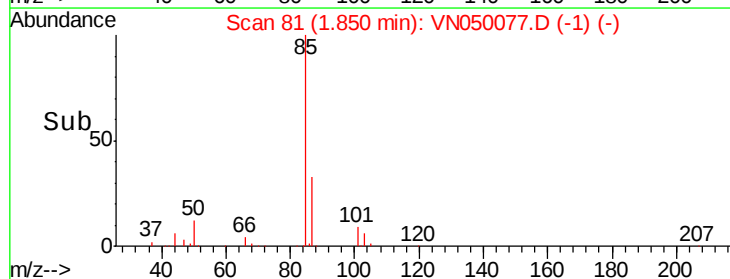
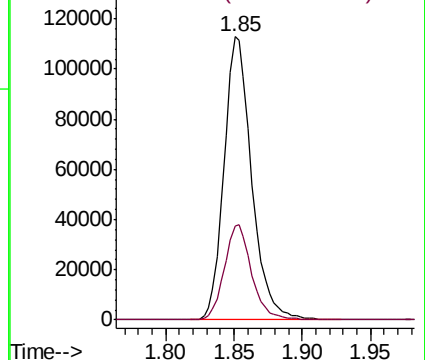
85 100

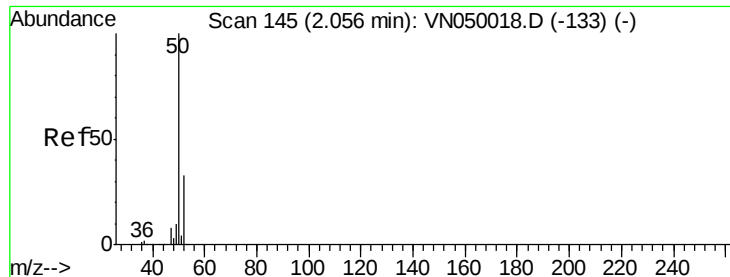
87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.61 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

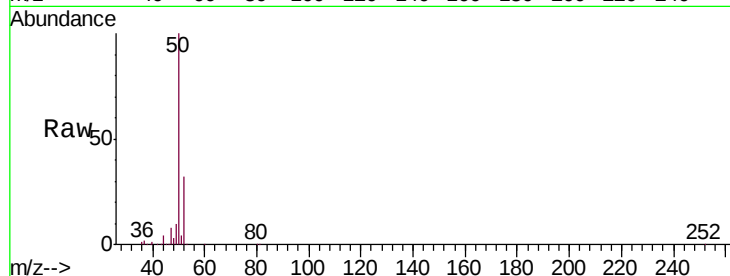
VN0726WBSD01

Tot Ion: 50 Resp: 167900

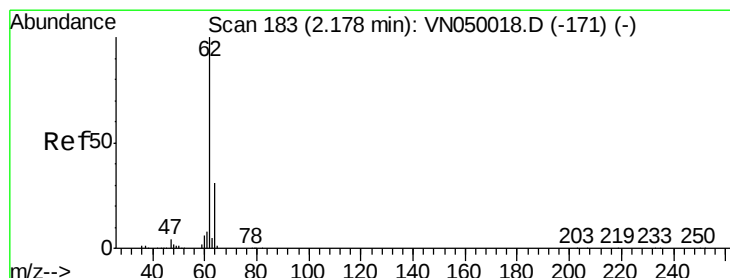
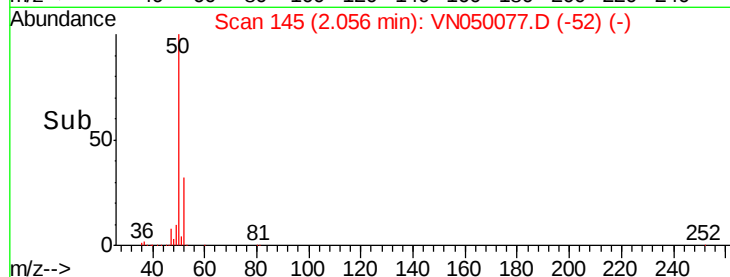
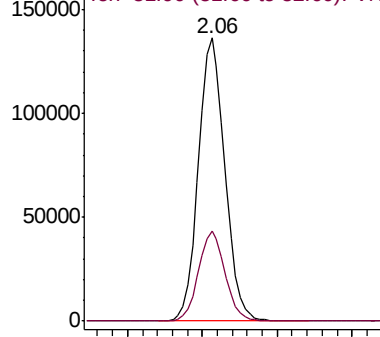
Ion Ratio Lower Upper

50 100

52 31.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.83 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050077.D

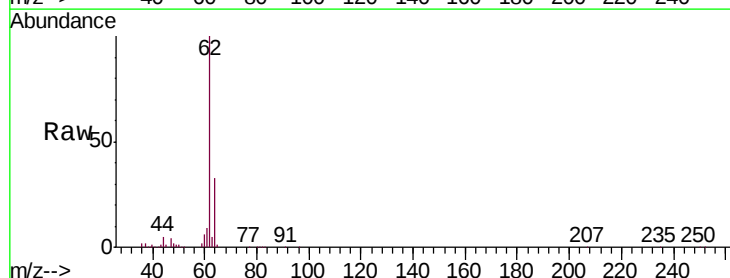
Acq: 26 Jul 2018 13:02

Tgt Ion: 62 Resp: 169328

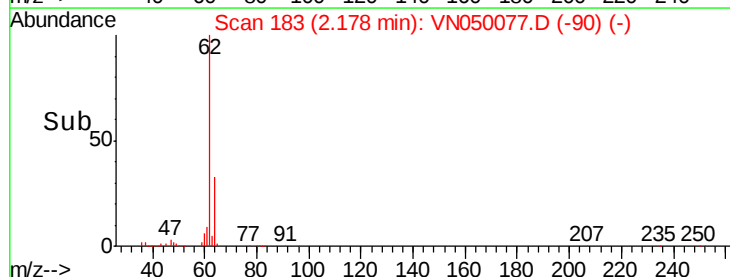
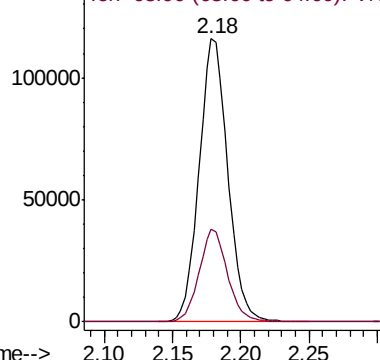
Ion Ratio Lower Upper

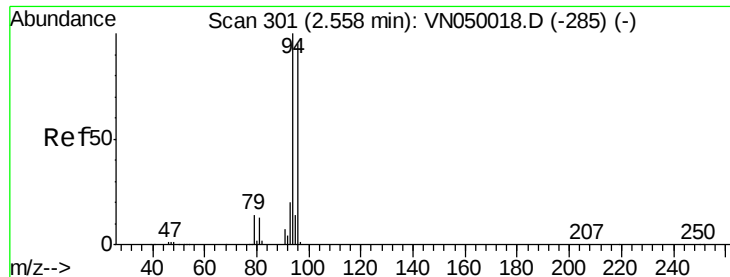
62 100

64 32.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.67 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

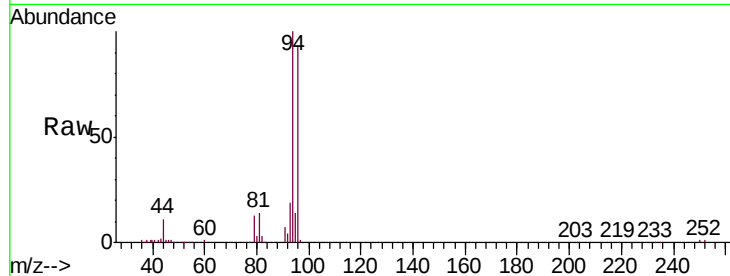
VN0726WBSD01

Tot Ion: 94 Resp: 106955

Ion Ratio Lower Upper

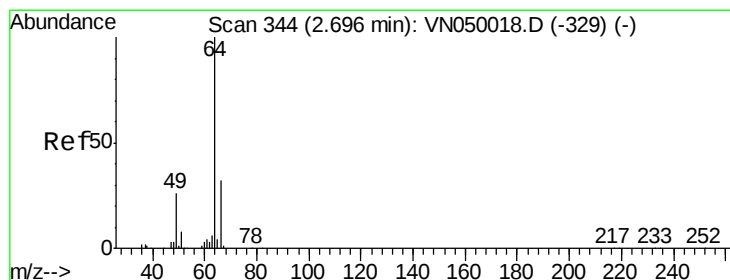
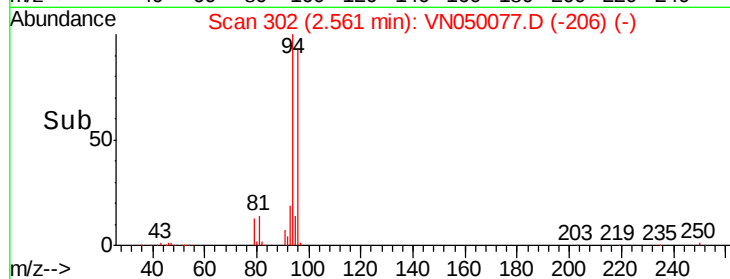
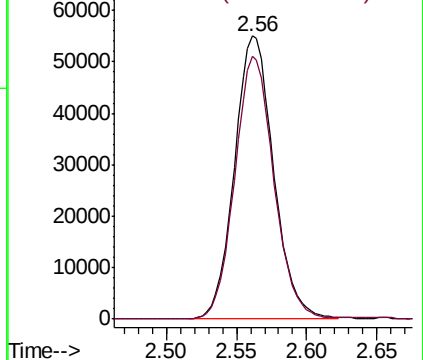
94 100

96 92.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.93 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050077.D

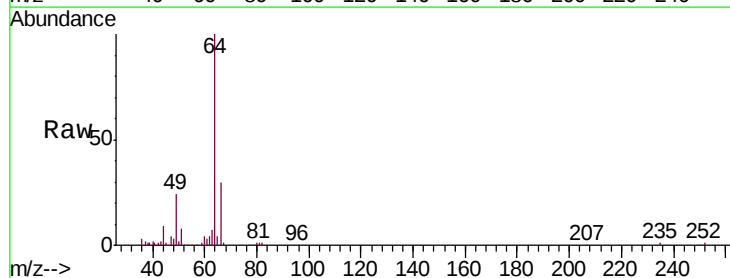
Acq: 26 Jul 2018 13:02

Tgt Ion: 64 Resp: 102255

Ion Ratio Lower Upper

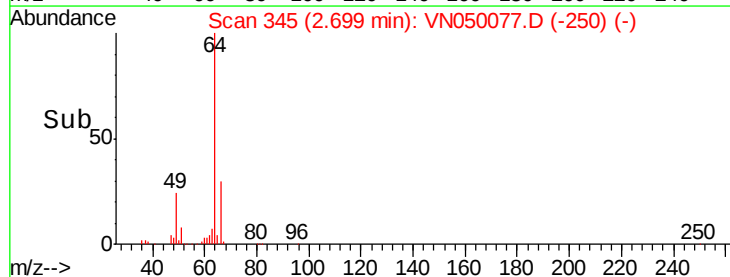
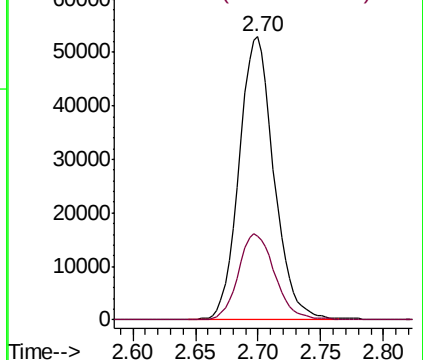
64 100

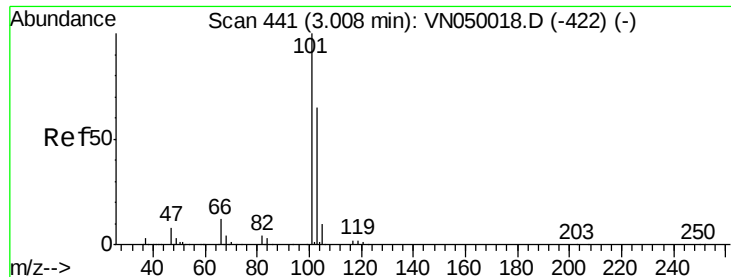
66 29.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 18.06 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

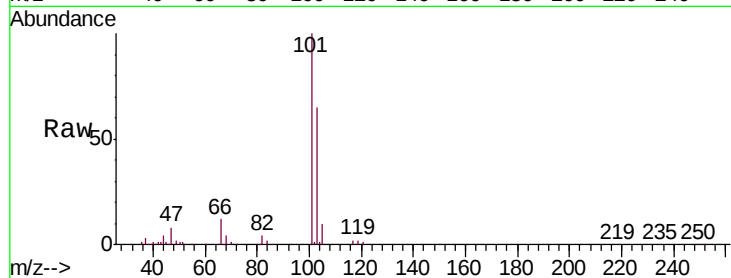
VN0726WBSD01

Tot Ion:101 Resp: 222220

Ion Ratio Lower Upper

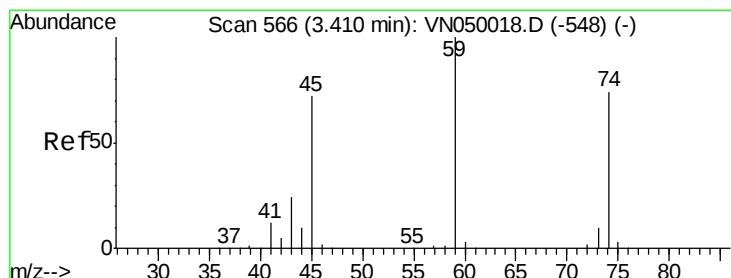
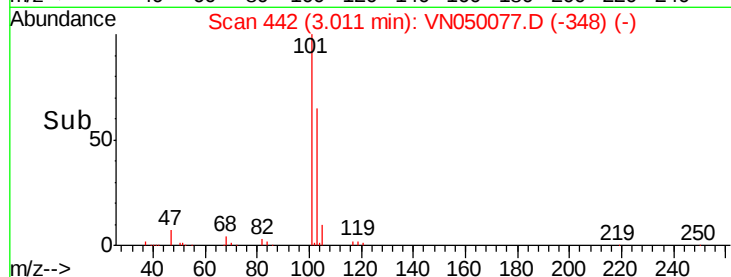
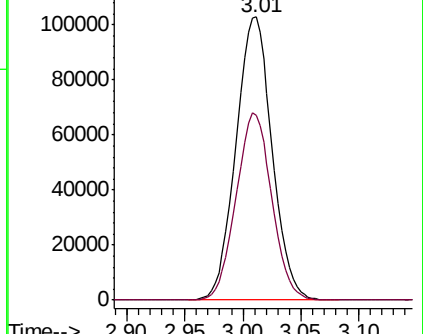
101 100

103 65.4 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.69 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050077.D

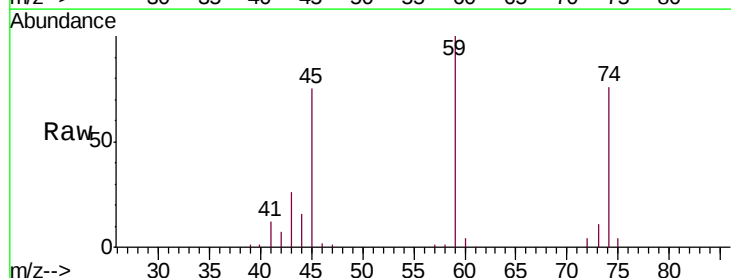
Acq: 26 Jul 2018 13:02

Tgt Ion: 74 Resp: 80770

Ion Ratio Lower Upper

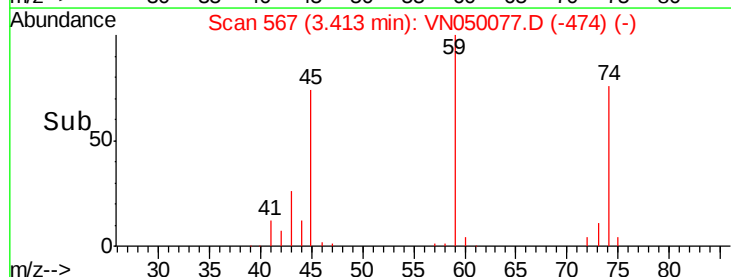
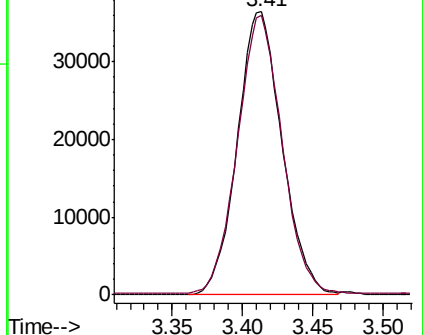
74 100

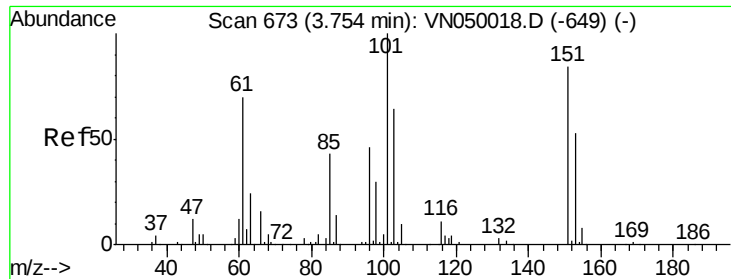
45 97.7 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.11 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

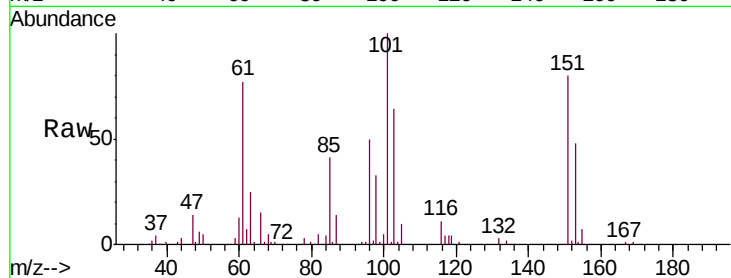
Tot Ion:101 Resp: 134029

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

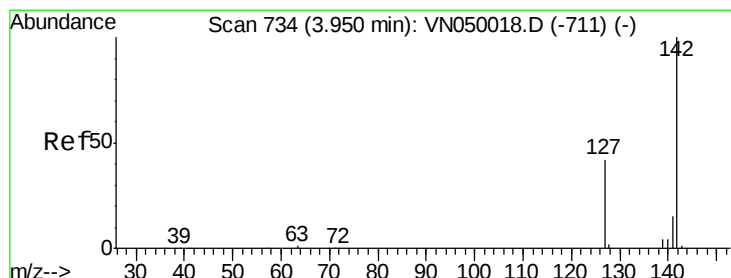
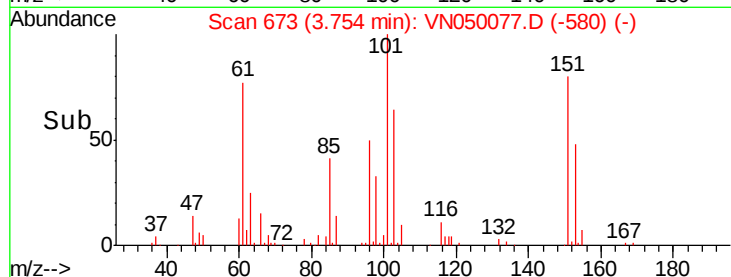
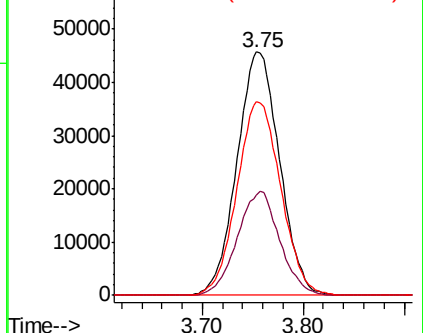
151 81.9 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.97 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

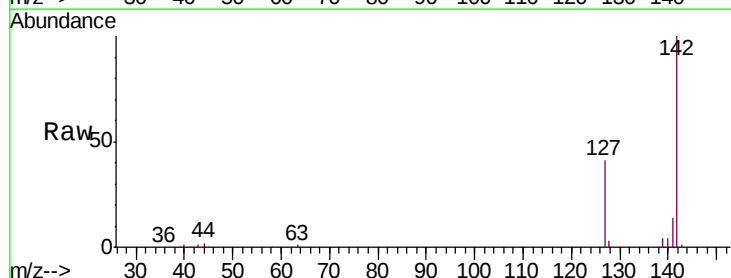
Tgt Ion:142 Resp: 170676

Ion Ratio Lower Upper

142 100

127 42.2 33.4 50.2

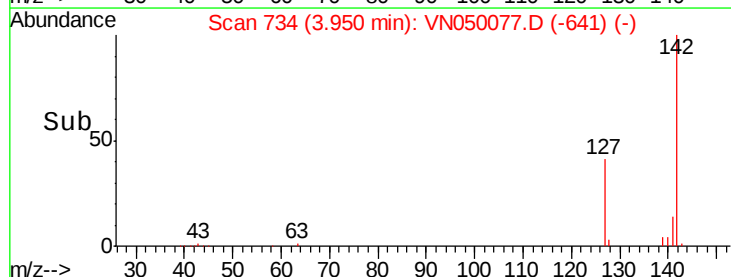
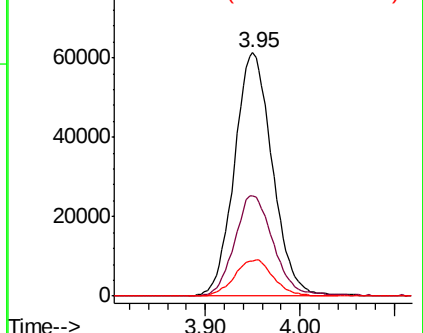
141 15.1 11.6 17.4

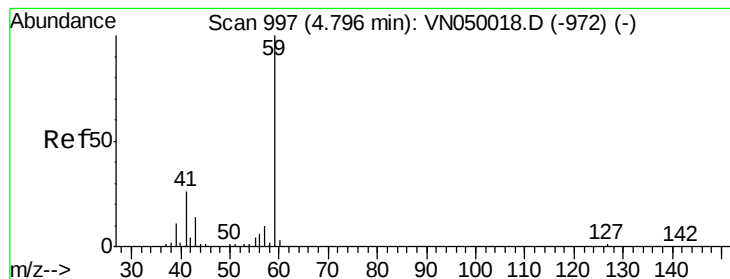


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.24 ug/l

RT: 4.80 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

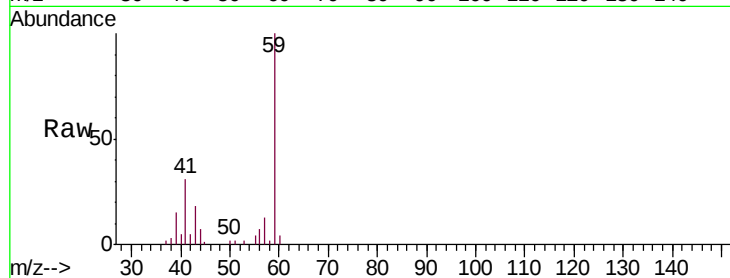
VN0726WBSD01

Tot Ion: 59 Resp: 58243

Ion Ratio Lower Upper

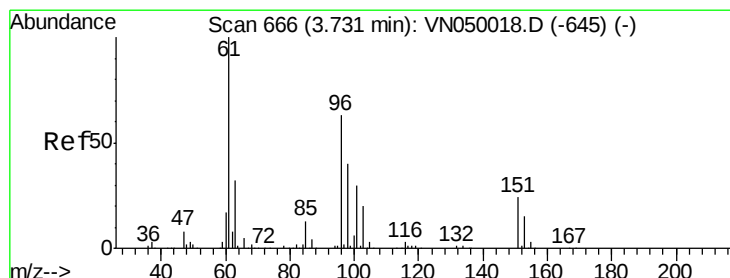
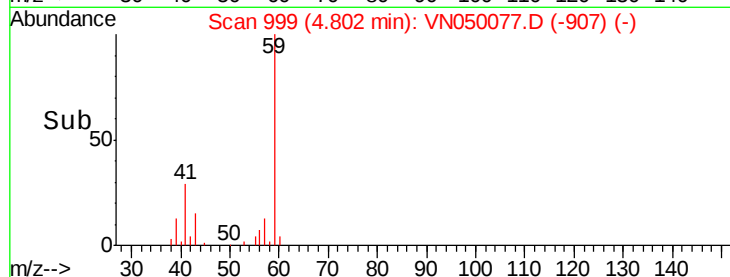
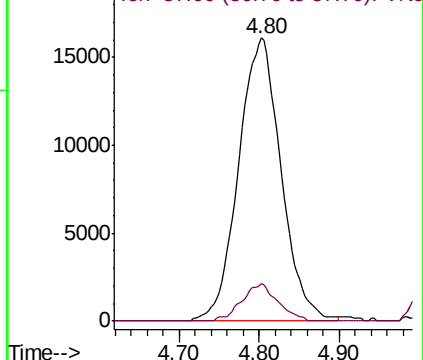
59 100

57 11.1 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.70 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

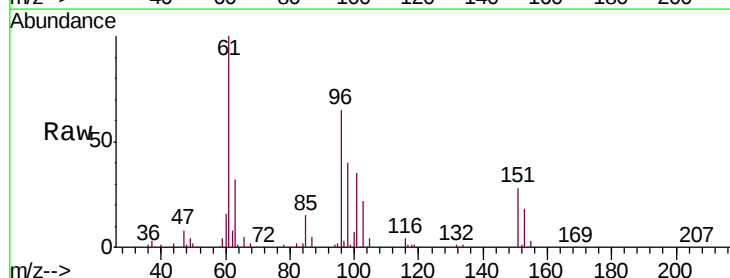
Tgt Ion: 96 Resp: 117791

Ion Ratio Lower Upper

96 100

61 154.4 124.4 186.6

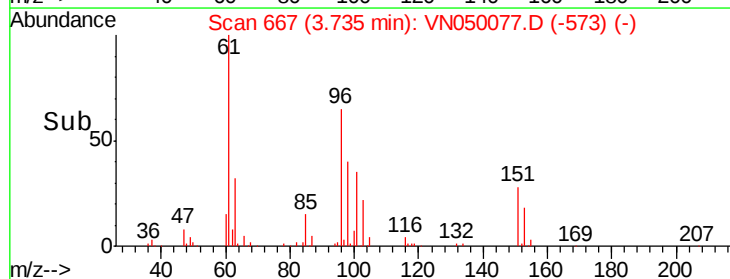
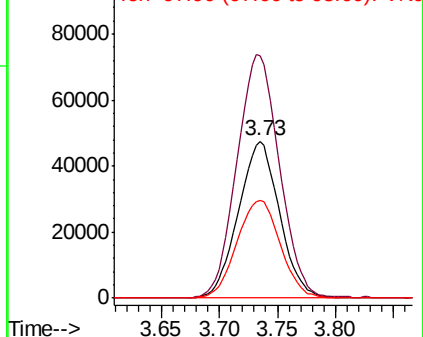
98 61.8 48.3 72.5

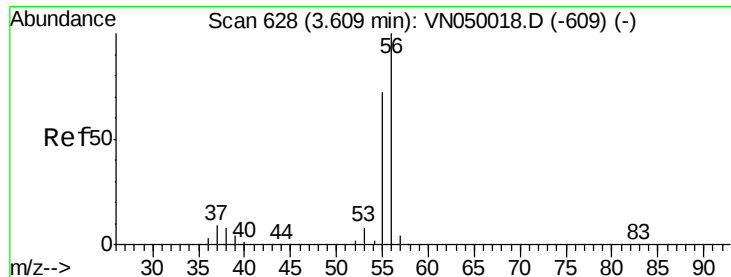


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 72.30 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

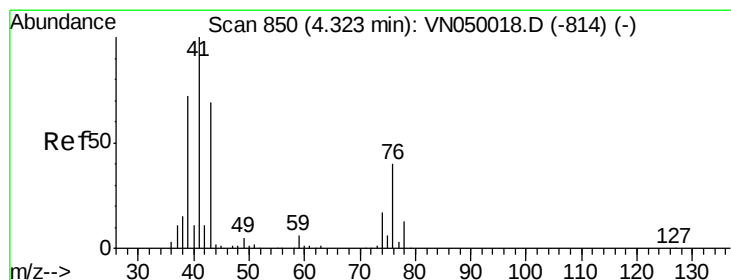
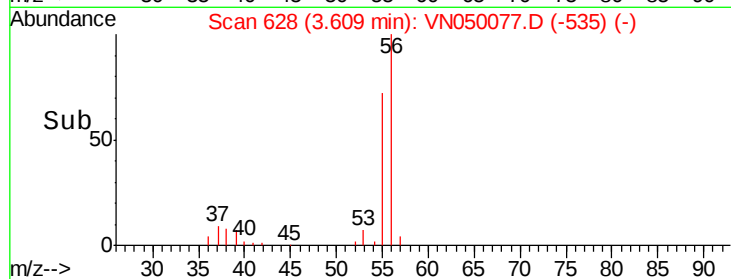
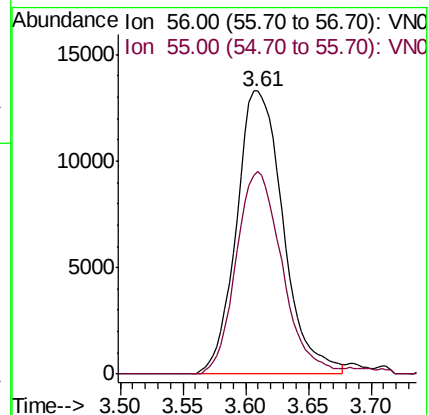
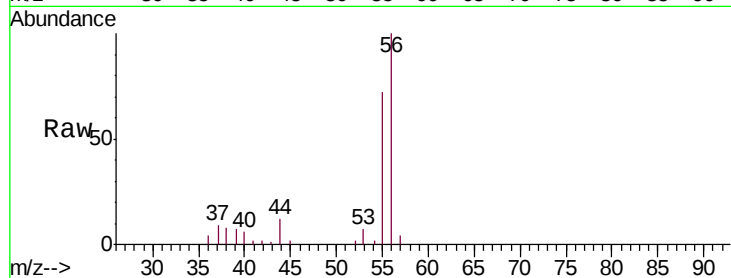
VN0726WBSD01

Tot Ion: 56 Resp: 34441

Ion Ratio Lower Upper

56 100

55 70.4 55.8 83.6



#14

Allyl chloride

Concen: 18.76 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

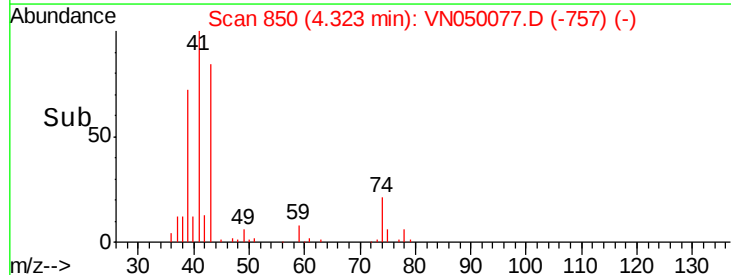
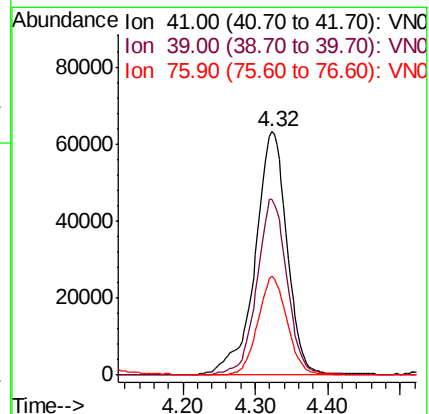
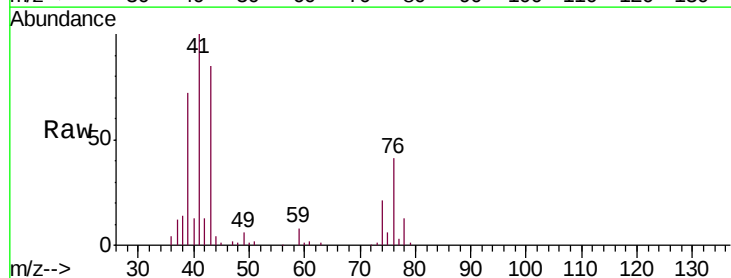
Tgt Ion: 41 Resp: 193631

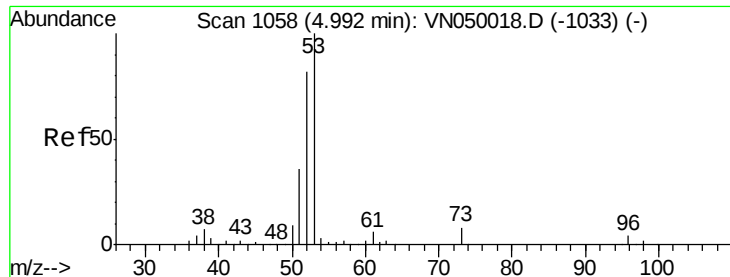
Ion Ratio Lower Upper

41 100

39 68.6 54.2 81.4

76 37.2 29.0 43.6





#15

Acrylonitrile

Concen: 98.53 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

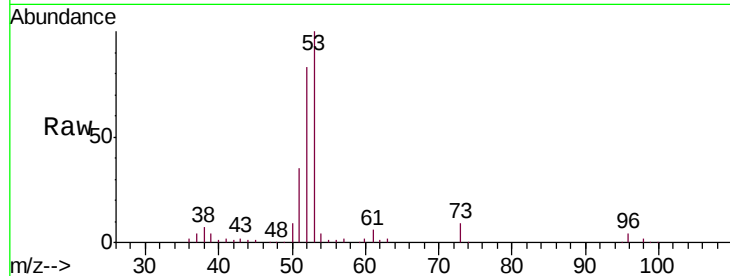
Tot Ion: 53 Resp: 254846

Ion Ratio Lower Upper

53 100

52 81.5 66.2 99.2

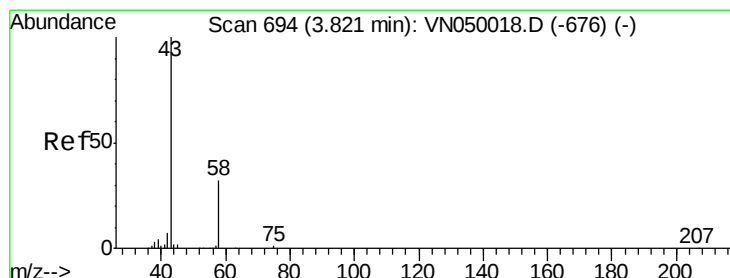
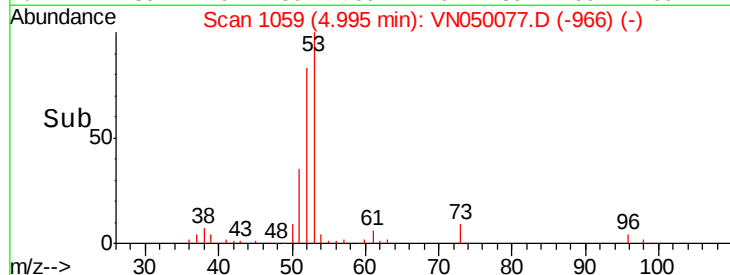
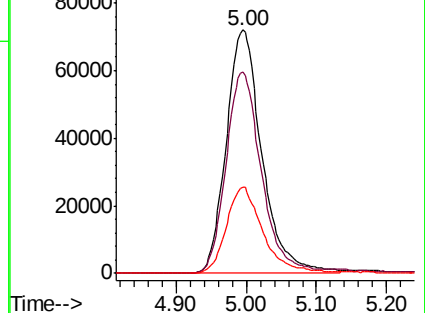
51 36.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 103.93 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050077.D

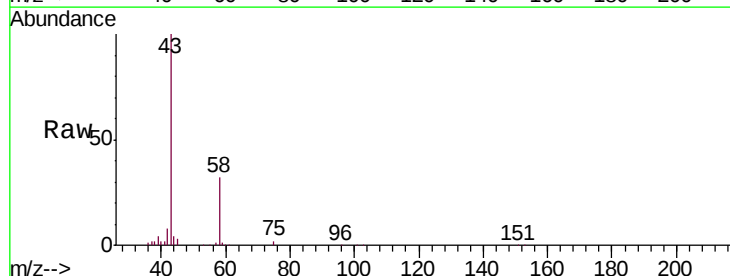
Acq: 26 Jul 2018 13:02

Tgt Ion: 43 Resp: 202068

Ion Ratio Lower Upper

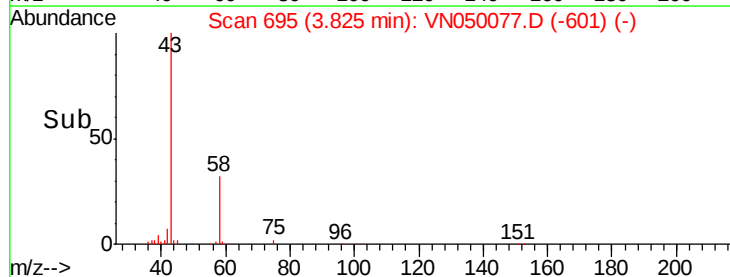
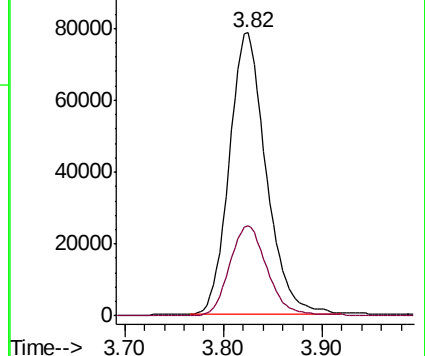
43 100

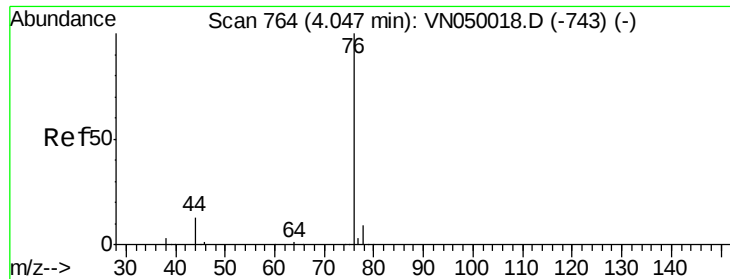
58 31.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.23 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

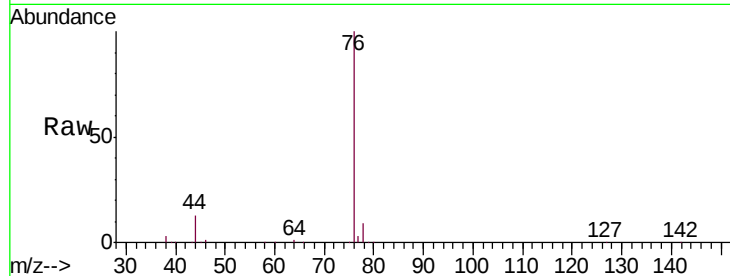
VN0726WBSD01

Tot Ion: 76 Resp: 351426

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

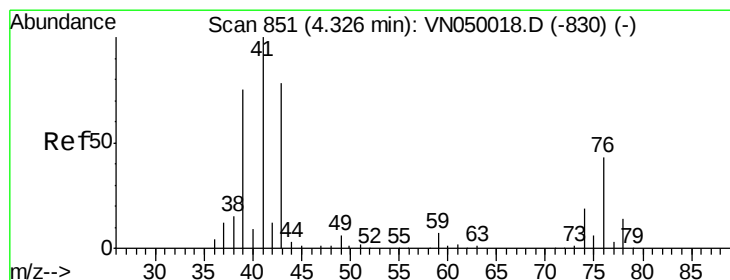
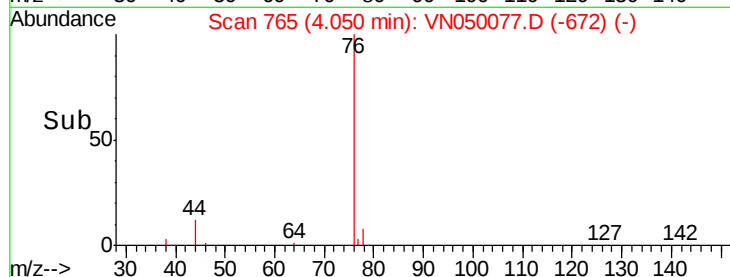
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.93 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050077.D

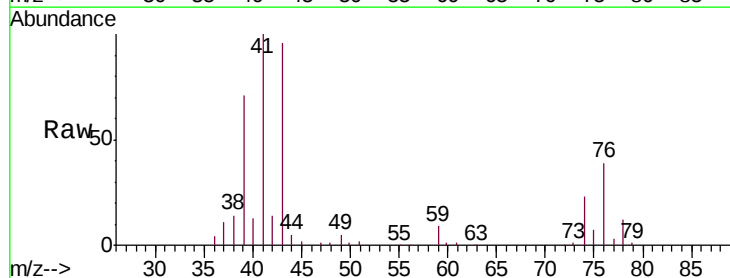
Acq: 26 Jul 2018 13:02

Tgt Ion: 43 Resp: 168637

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

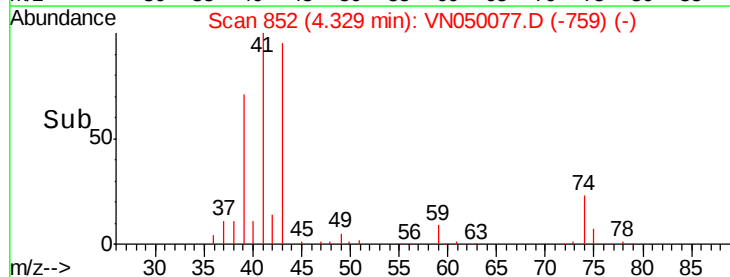
60000

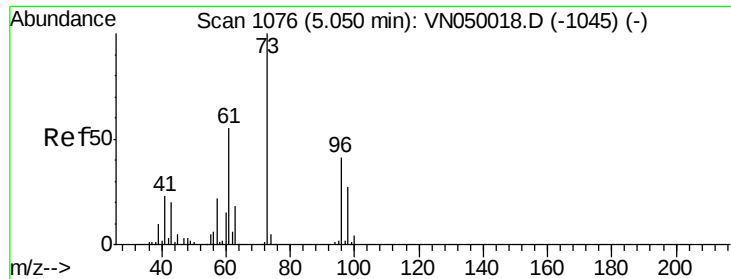
40000

20000

0

Time-->

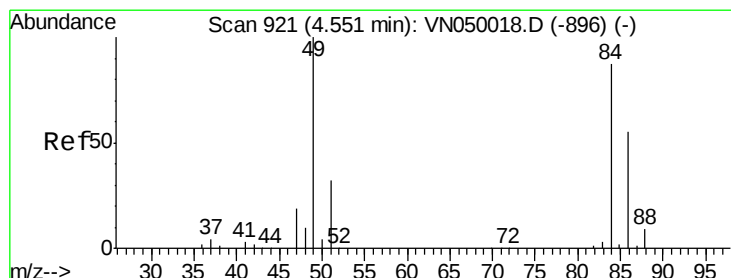
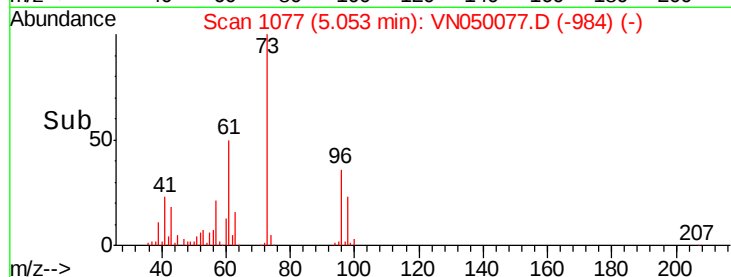
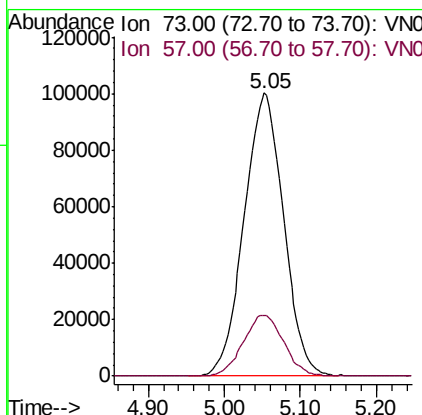
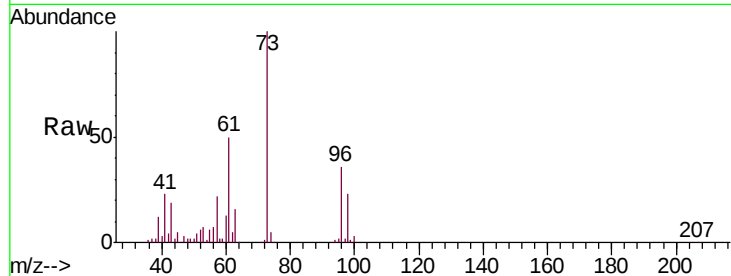




#19
Methyl tert-butyl Ether
Concen: 20.37 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

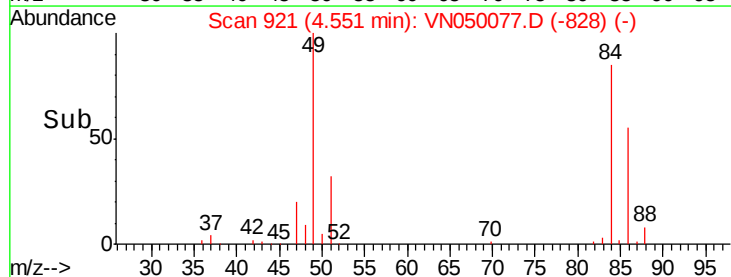
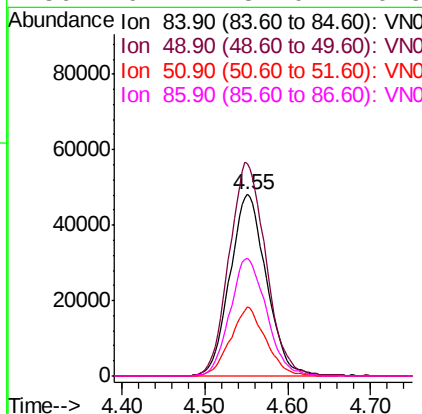
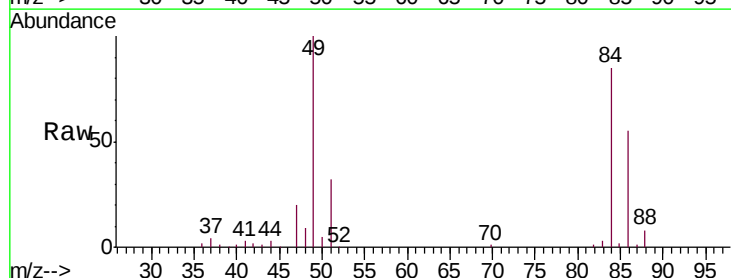
Instrument :
MSVOA_N
ClientSampled :
VN0726WBSD01

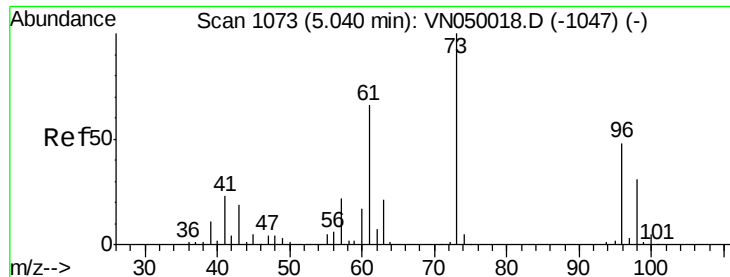
Tot Ion: 73 Resp: 361269
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0



#20
Methylene Chloride
Concen: 19.90 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 84 Resp: 147530
Ion Ratio Lower Upper
84 100
49 117.4 94.8 142.2
51 38.0 28.3 42.5
86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.42 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

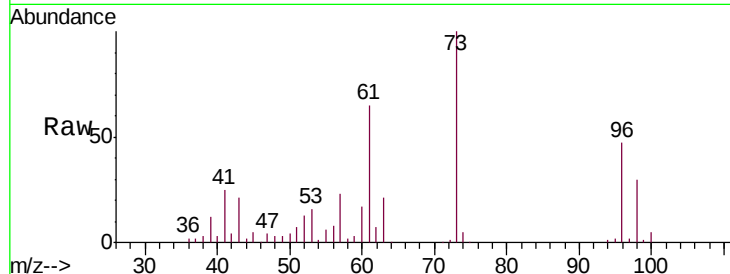
Tot Ion: 96 Resp: 129937

Ion Ratio Lower Upper

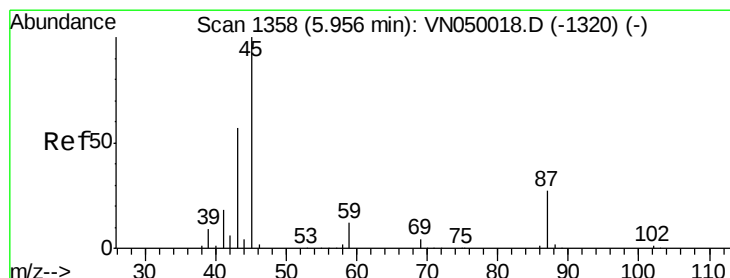
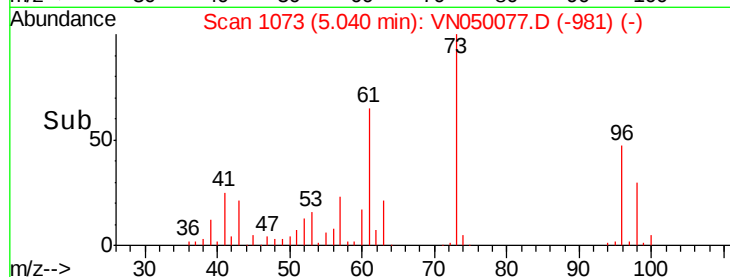
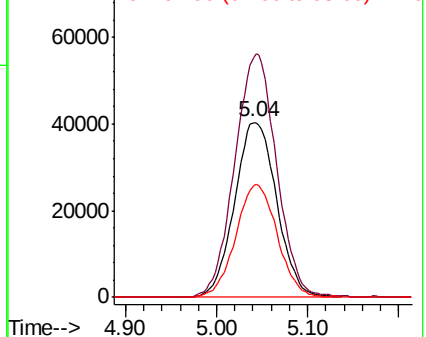
96 100

61 137.3 110.7 166.1

98 63.6 51.6 77.4



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



#22

Diisopropyl ether

Concen: 20.72 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion: 45 Resp: 424003

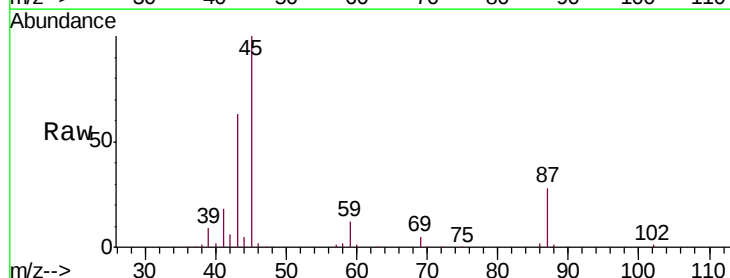
Ion Ratio Lower Upper

45 100

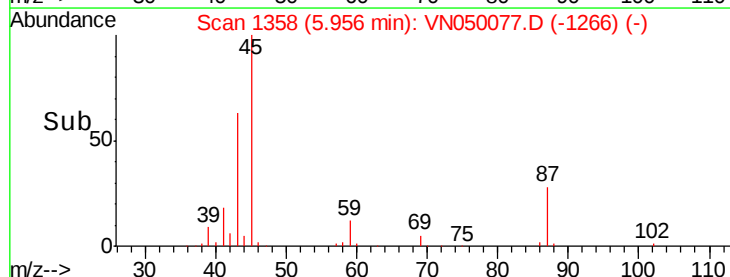
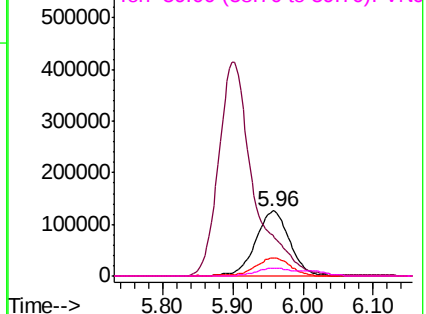
43 61.7 45.7 68.5

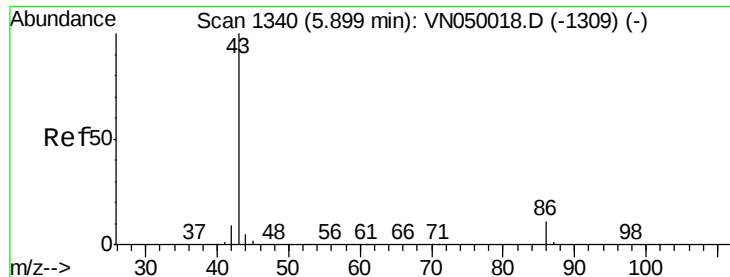
87 27.5 22.7 34.1

59 12.2 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 99.32 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

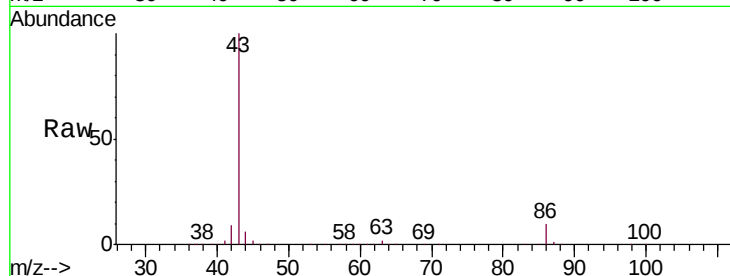
VN0726WBSD01

Tot Ion: 43 Resp: 1436431

Ion Ratio Lower Upper

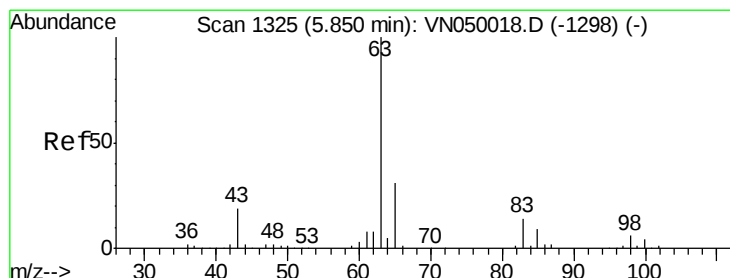
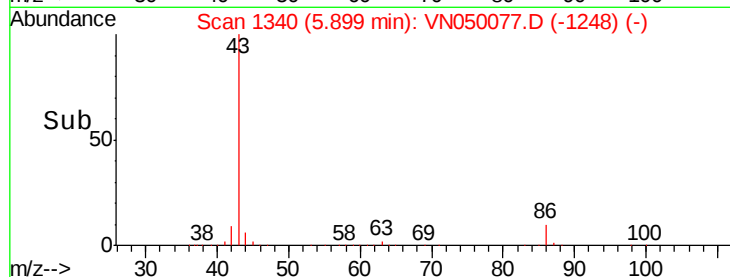
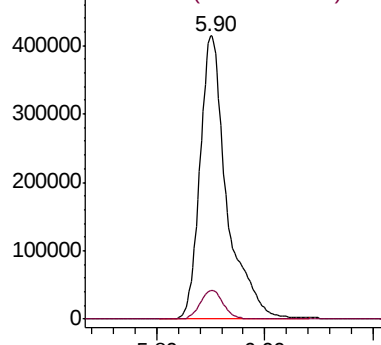
43 100

86 10.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.07 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

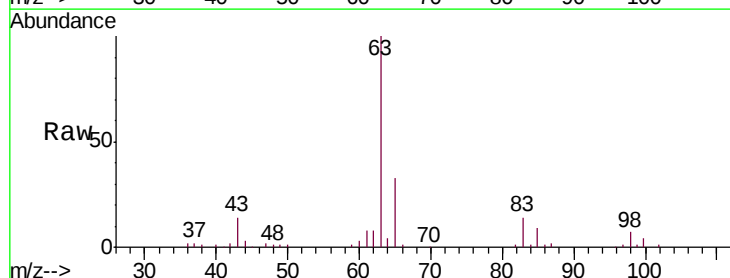
Tgt Ion: 63 Resp: 255148

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

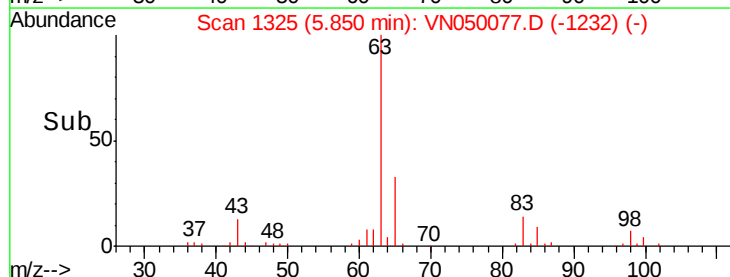
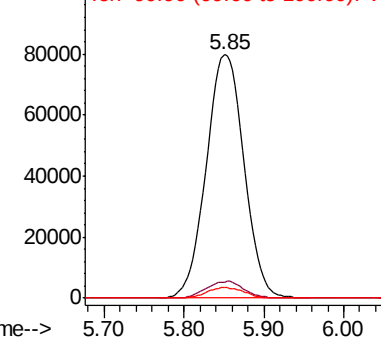
100 4.4 2.1 6.3

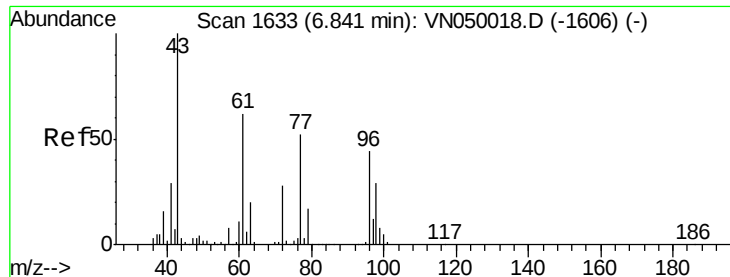


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.90 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

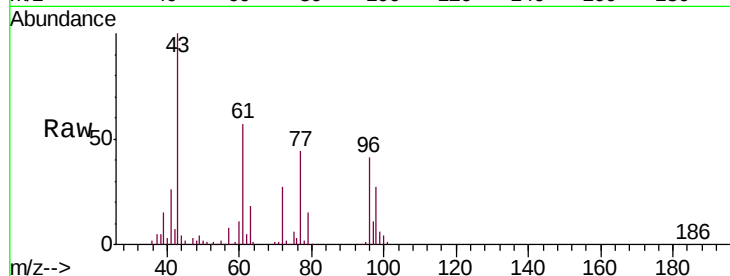
VN0726WBSD01

Tot Ion: 43 Resp: 300890

Ion Ratio Lower Upper

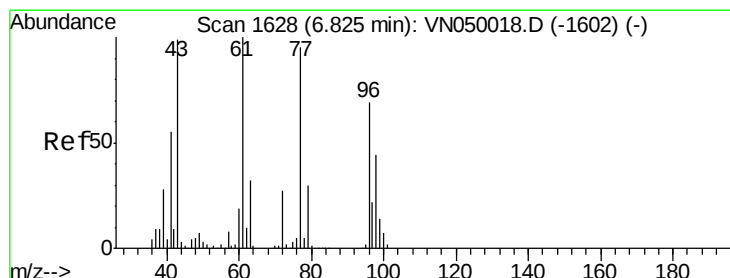
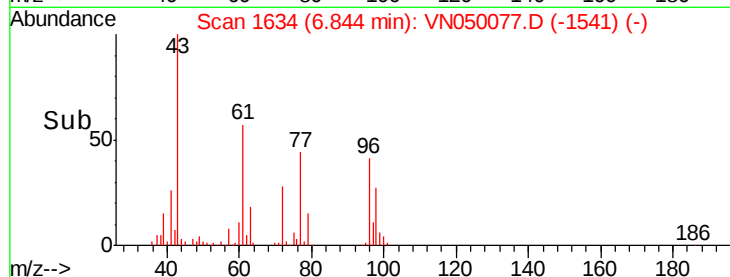
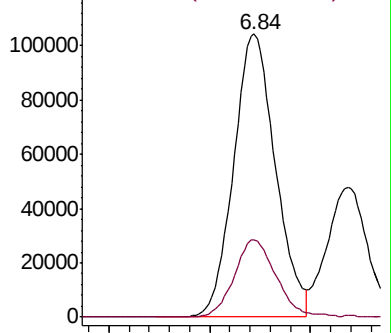
43 100

72 27.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.39 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050077.D

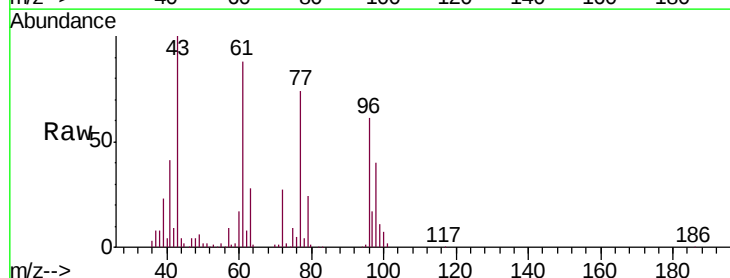
Acq: 26 Jul 2018 13:02

Tgt Ion: 77 Resp: 197386

Ion Ratio Lower Upper

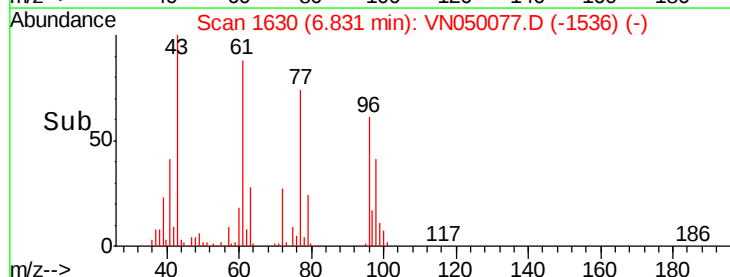
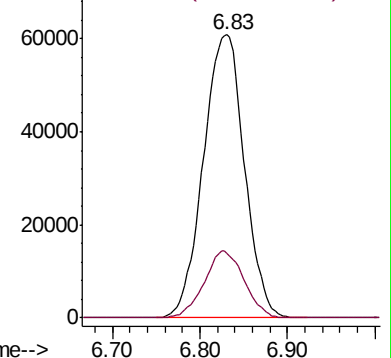
77 100

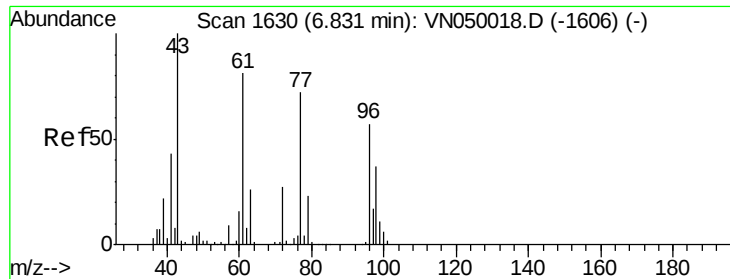
97 23.1 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.60 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

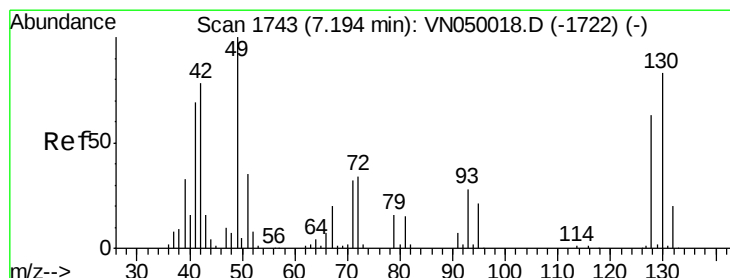
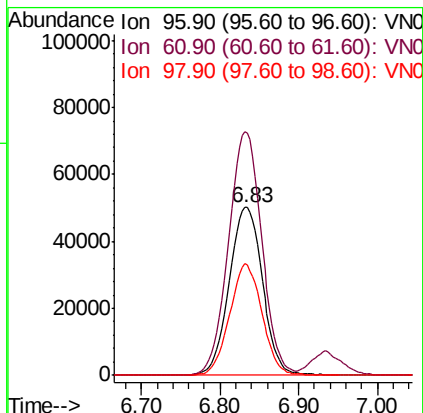
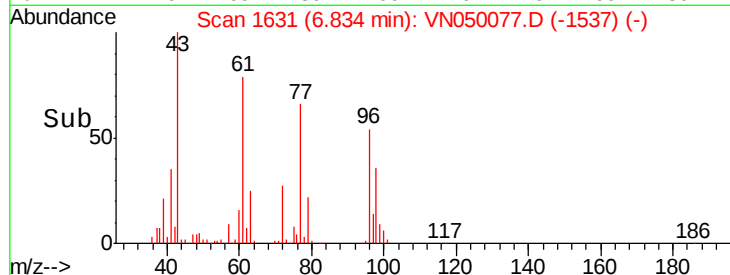
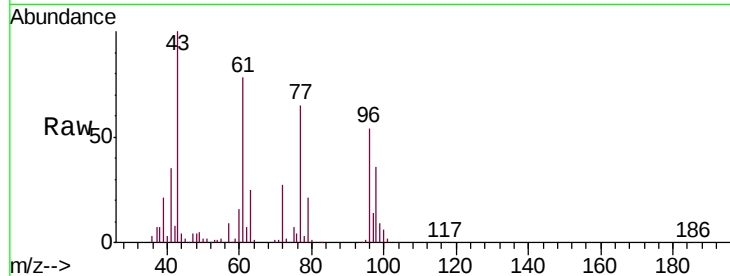
Tot Ion: 96 Resp: 148772

Ion Ratio Lower Upper

96 100

61 144.0 0.0 285.0

98 64.4 0.0 129.2



#28

Bromochloromethane

Concen: 19.59 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

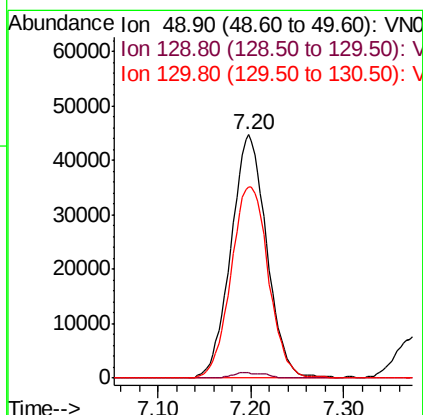
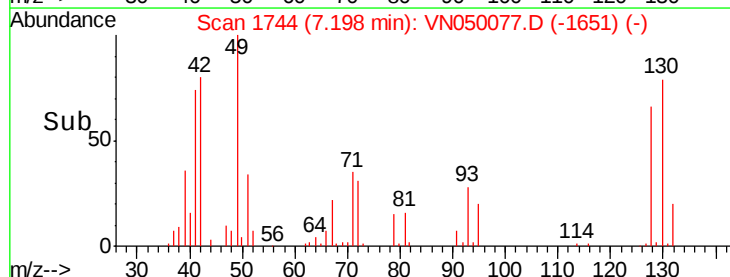
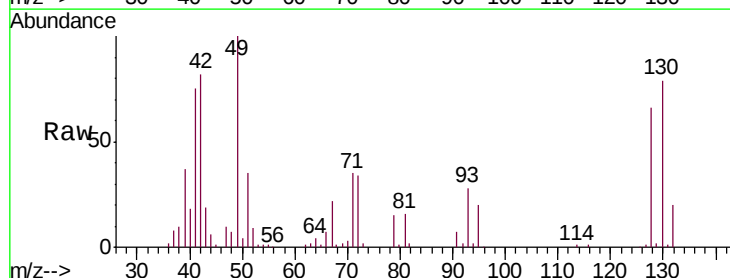
Tgt Ion: 49 Resp: 119566

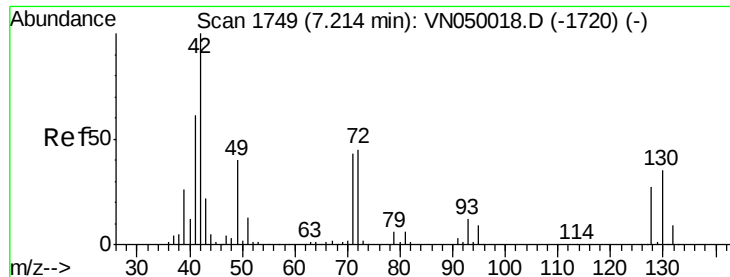
Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.0

130 82.2 66.3 99.5





#29

Tetrahydrofuran

Concen: 98.71 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

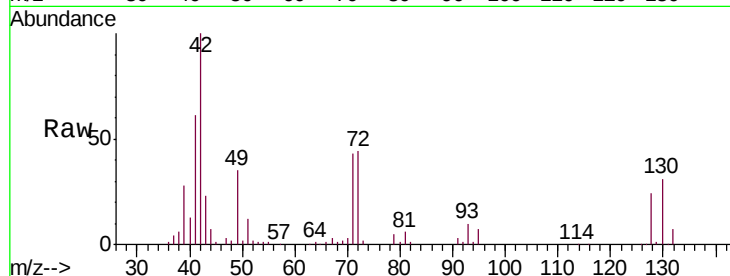
Tot Ion: 42 Resp: 196028

Ion Ratio Lower Upper

42 100

72 44.3 35.9 53.9

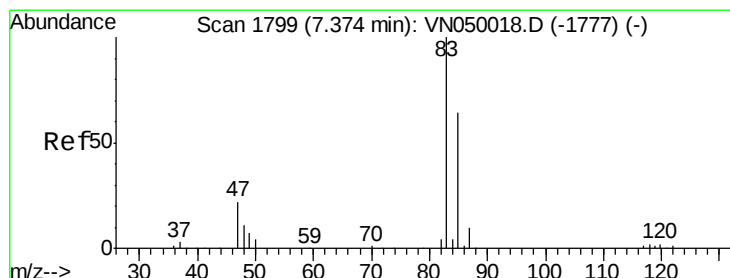
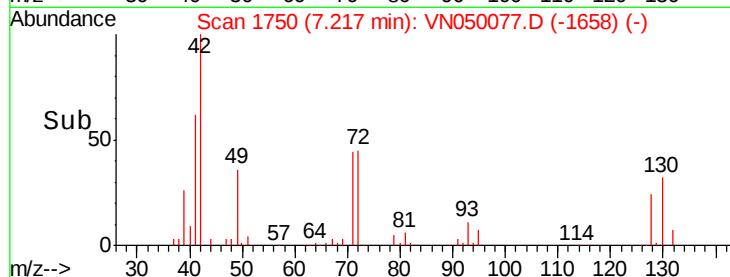
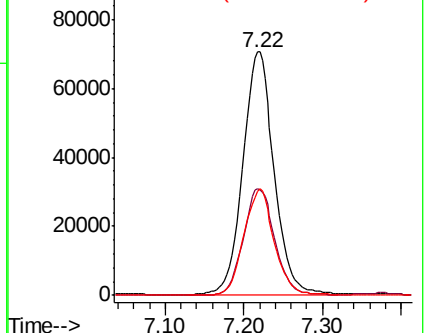
71 42.7 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.30 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050077.D

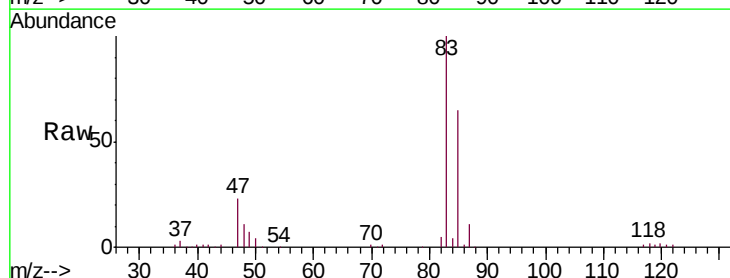
Acq: 26 Jul 2018 13:02

Tgt Ion: 83 Resp: 263582

Ion Ratio Lower Upper

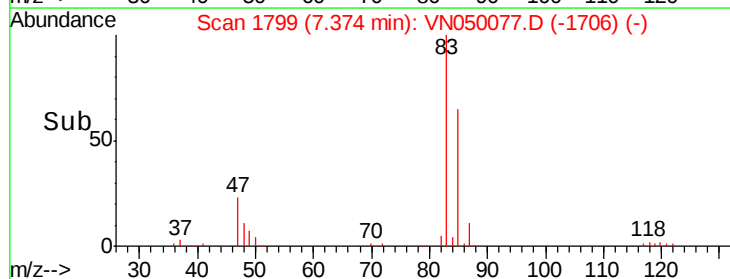
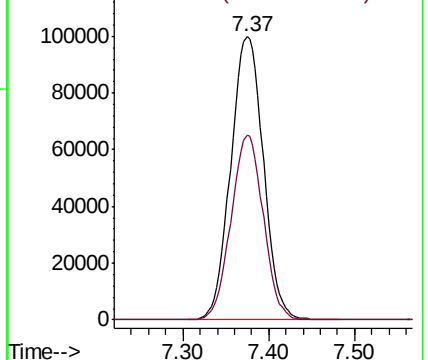
83 100

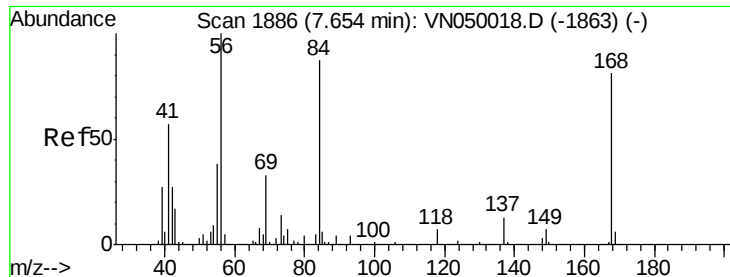
85 65.3 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

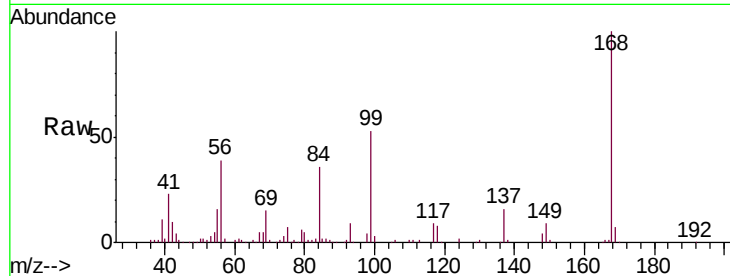




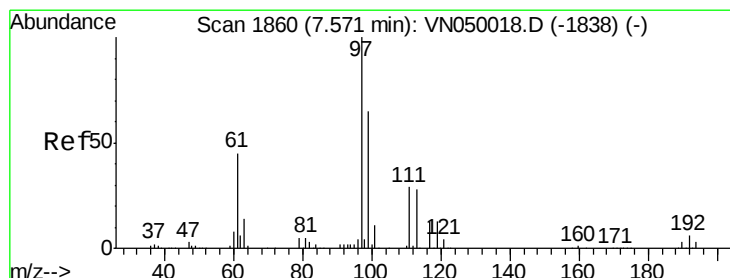
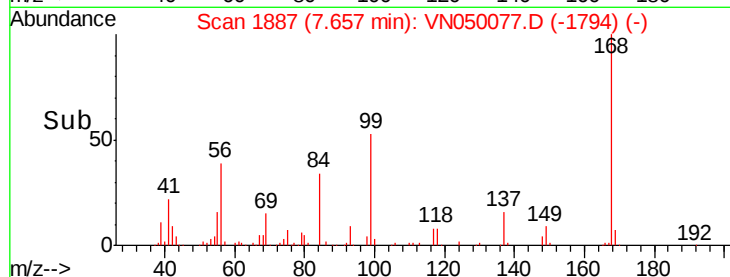
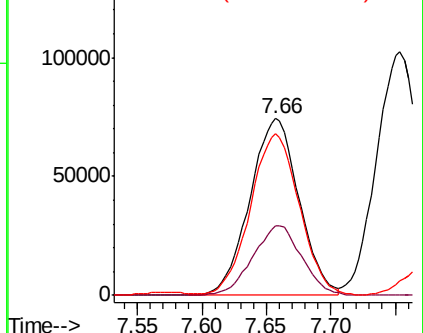
#31
Cyclohexane
Concen: 17.73 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0726WBSD01

Tot Ion: 56 Resp: 197244
Ion Ratio Lower Upper
56 100
69 39.1 26.2 39.4
84 90.3 67.4 101.0

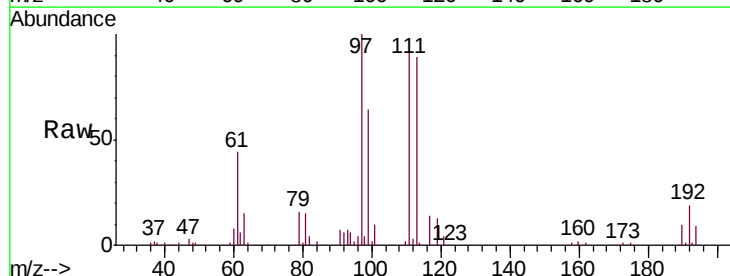


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

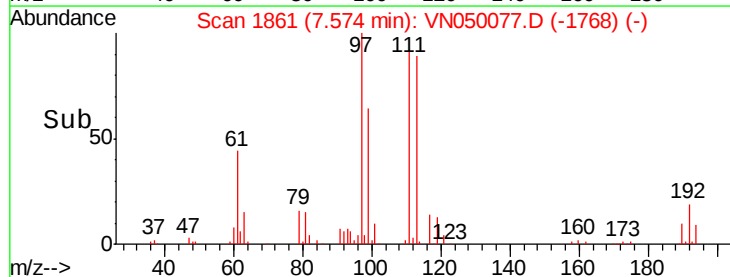
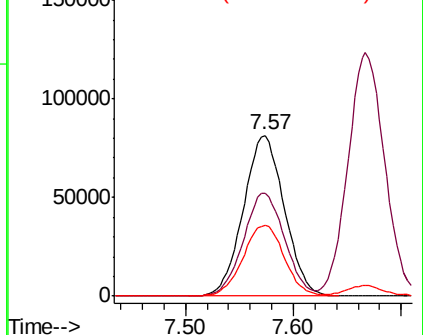


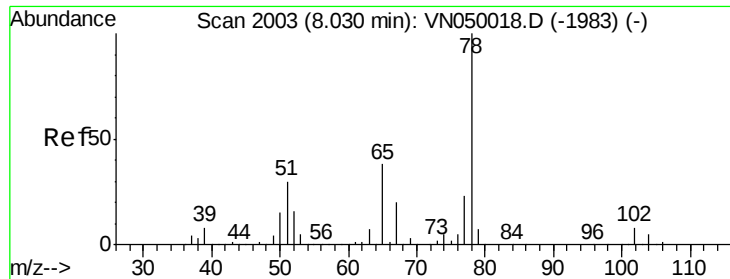
#32
1,1,1-Trichloroethane
Concen: 18.39 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 97 Resp: 214840
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 44.6 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.48 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

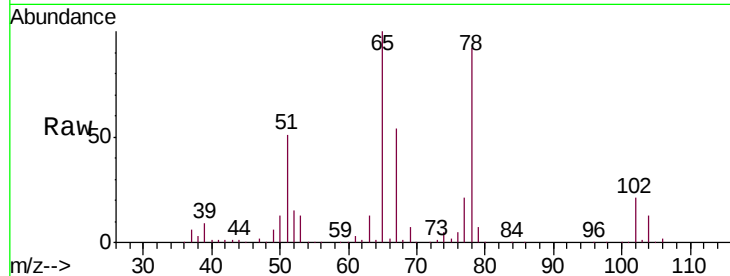
VN0726WBSD01

Tot Ion: 65 Resp: 414795

Ion Ratio Lower Upper

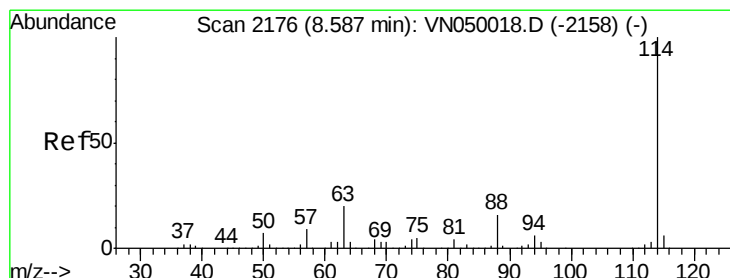
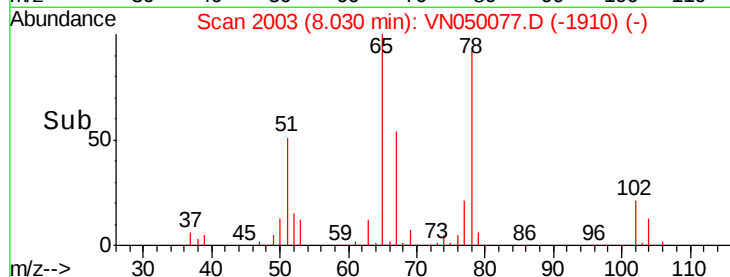
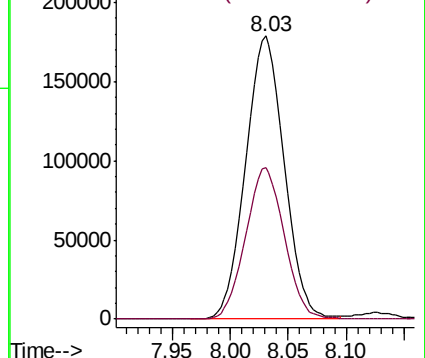
65 100

67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

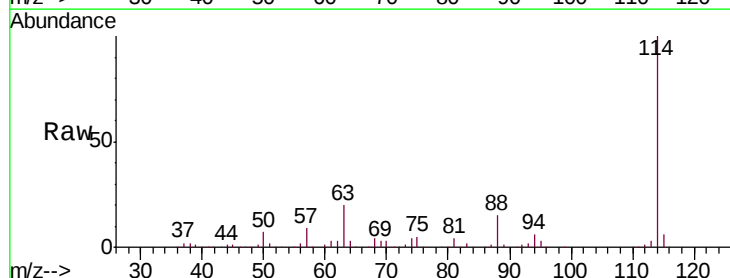
Tgt Ion: 114 Resp: 877953

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

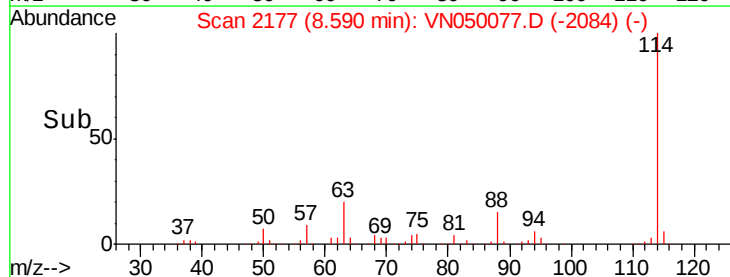
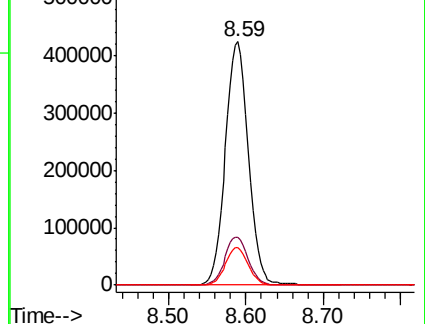
88 15.5 0.0 31.2

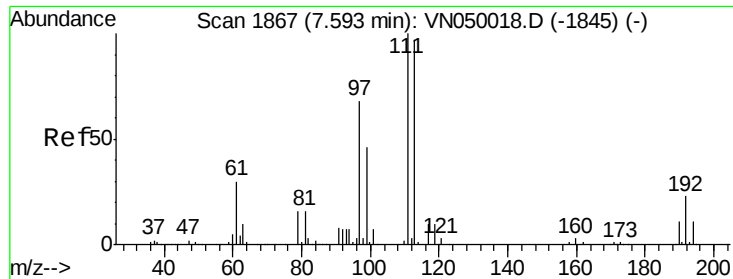


Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

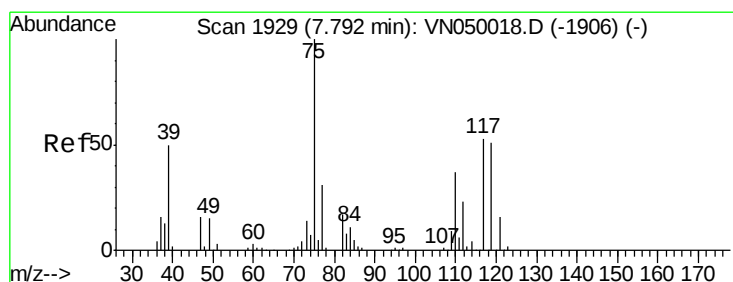
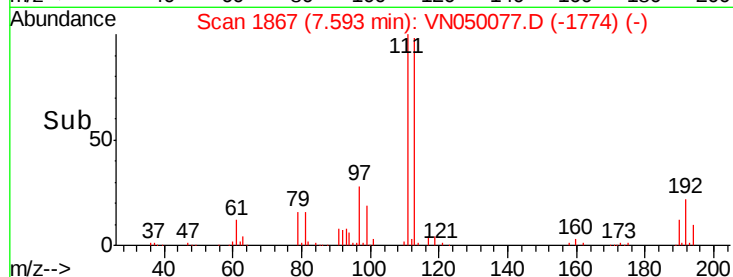
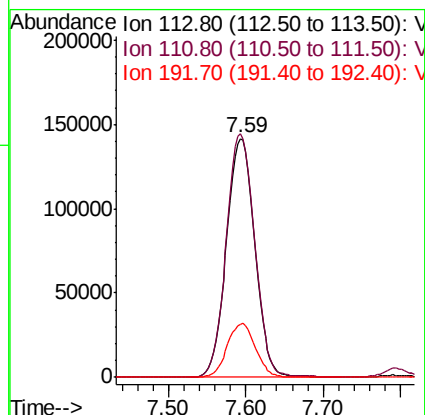
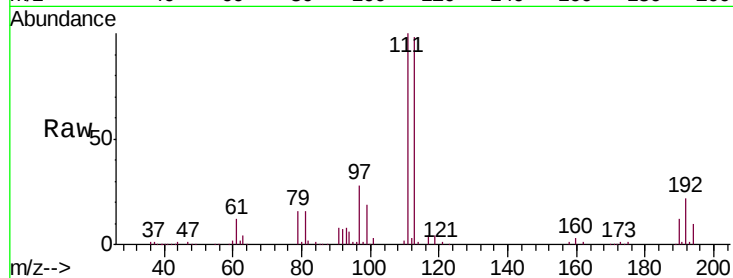




#35
Dibromofluoromethane
Concen: 50.41 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

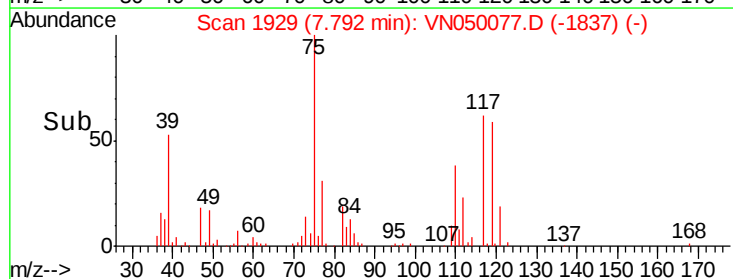
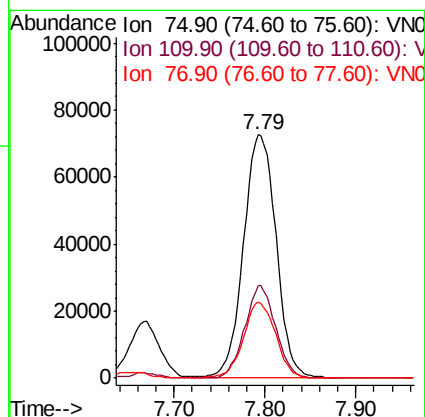
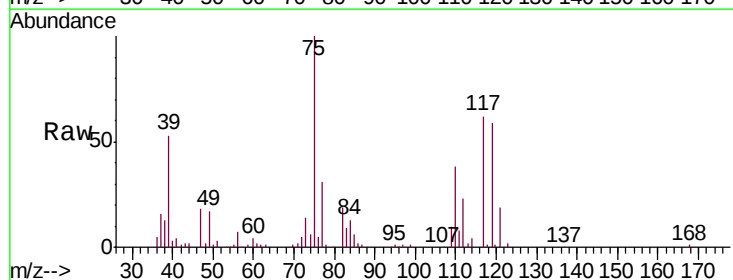
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

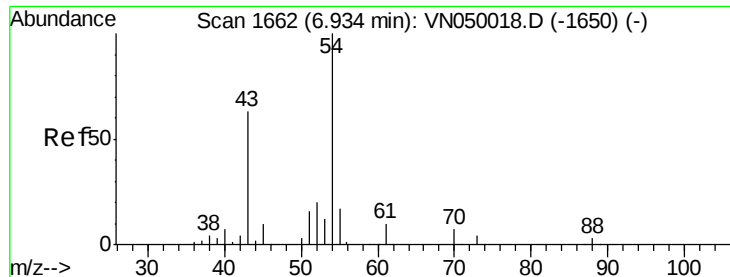
Tot Ion:113 Resp: 361317
Ion Ratio Lower Upper
113 100
111 102.0 80.7 121.1
192 22.5 17.8 26.6



#36
1,1-Dichloropropene
Concen: 18.21 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 75 Resp: 180119
Ion Ratio Lower Upper
75 100
110 36.0 18.4 55.2
77 31.2 25.3 37.9

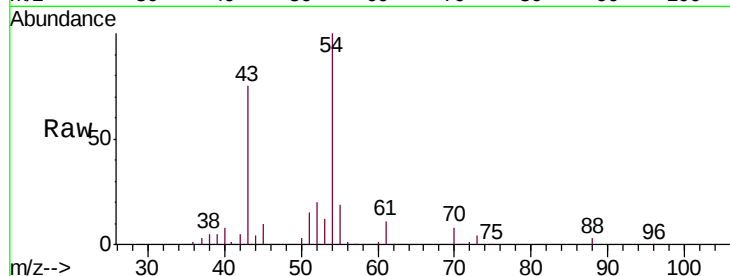




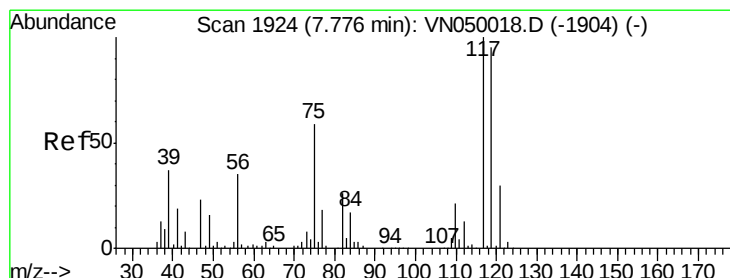
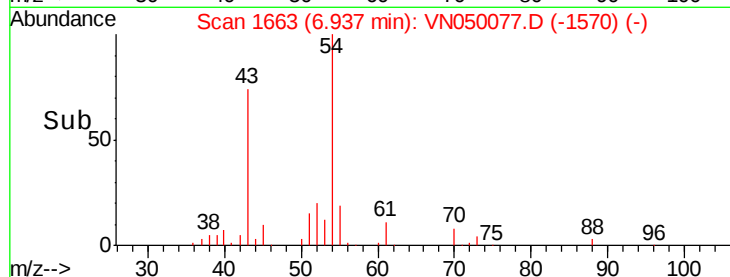
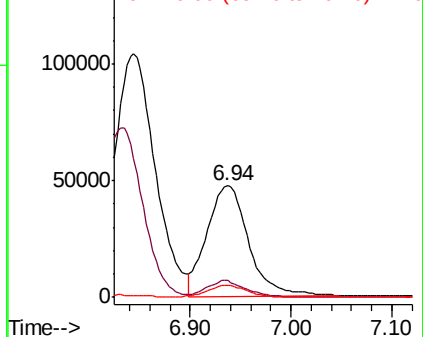
#37
Ethyl Acetate
Concen: 19.70 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion: 43 Resp: 135865
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.8
70 10.4 8.4 12.6

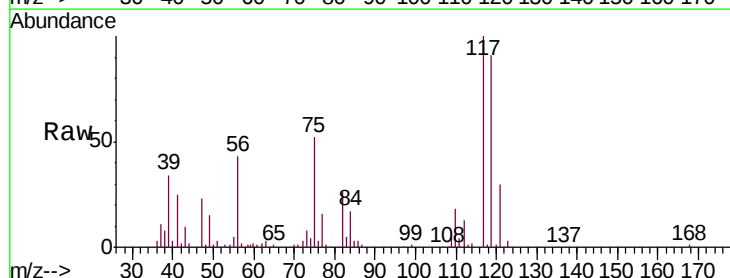


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

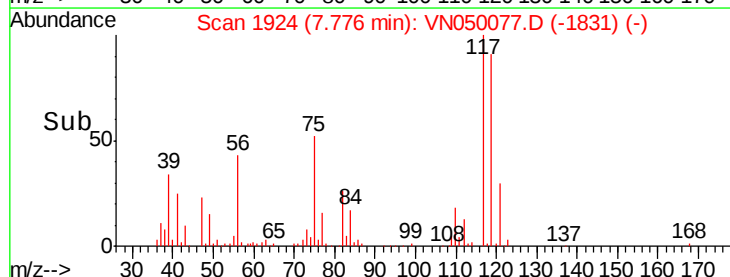
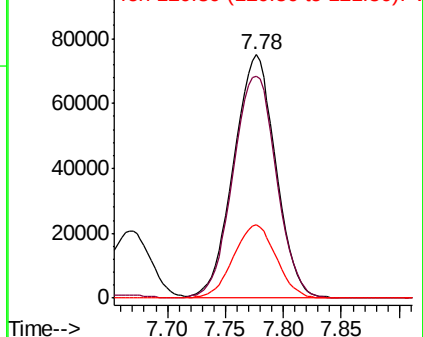


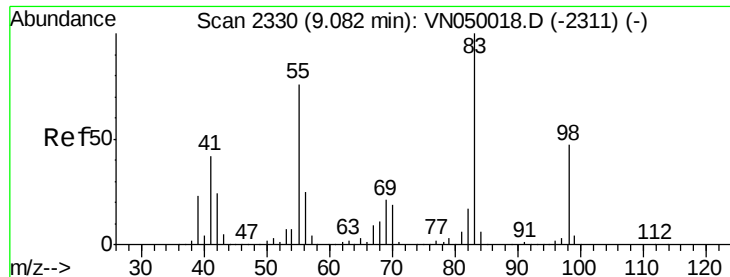
#38
Carbon Tetrachloride
Concen: 18.05 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 117 Resp: 189467
Ion Ratio Lower Upper
117 100
119 91.3 77.4 116.0
121 30.0 23.9 35.9



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

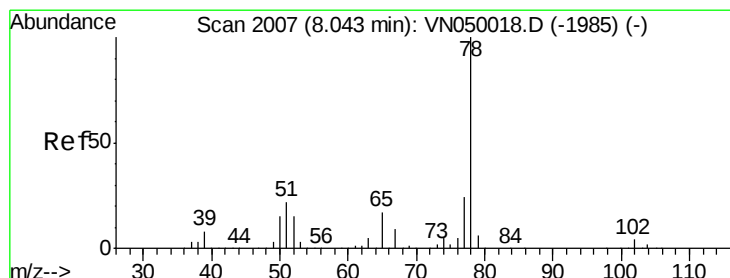
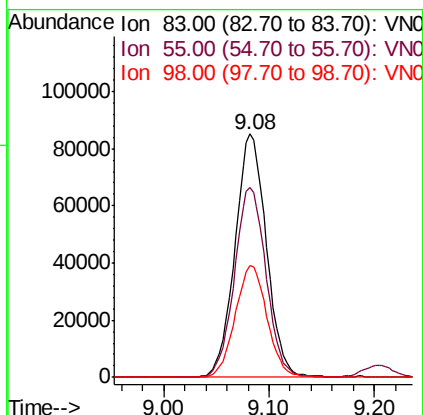
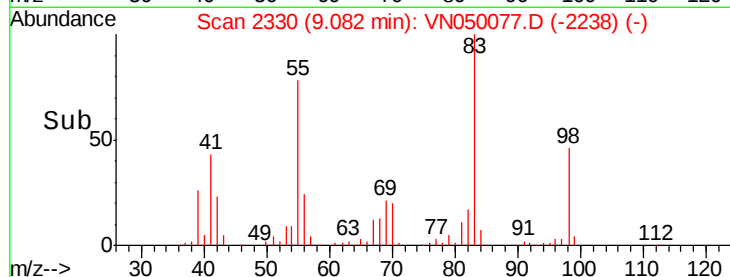
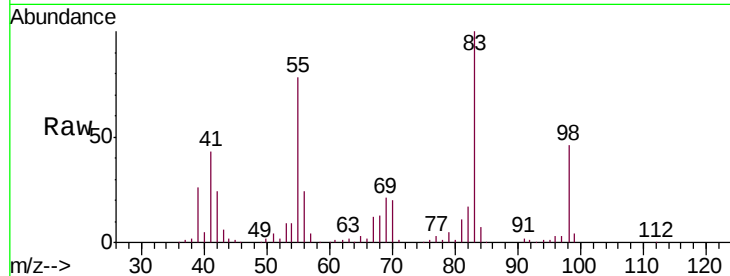




#39
Methvlcvclohexane
Concen: 17.29 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

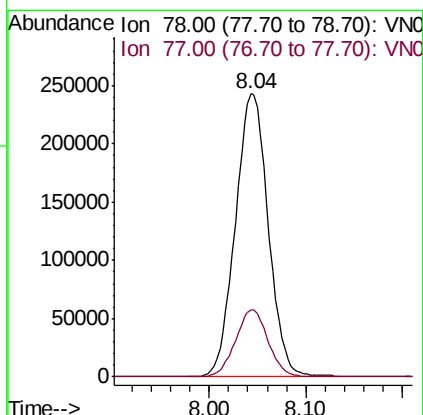
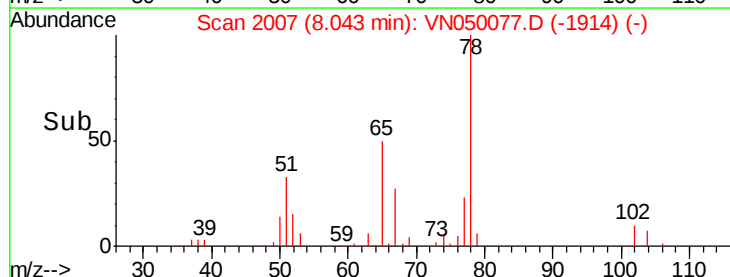
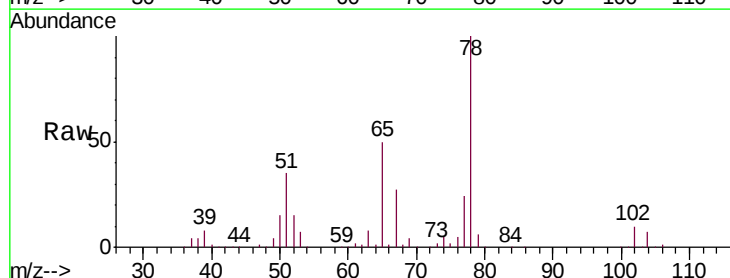
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

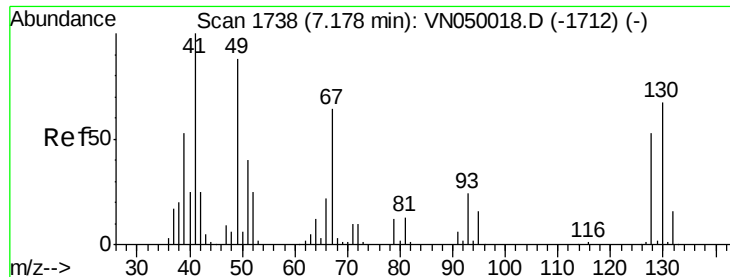
Tot Ion: 83 Resp: 175957
Ion Ratio Lower Upper
83 100
55 78.1 61.8 92.8
98 45.7 36.5 54.7



#40
Benzene
Concen: 19.08 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 78 Resp: 574246
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

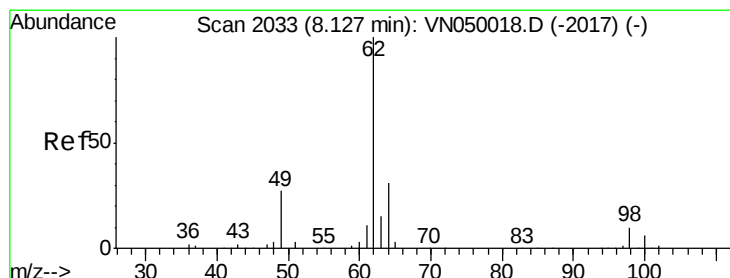
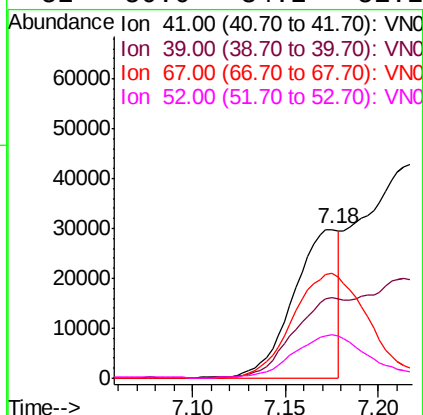
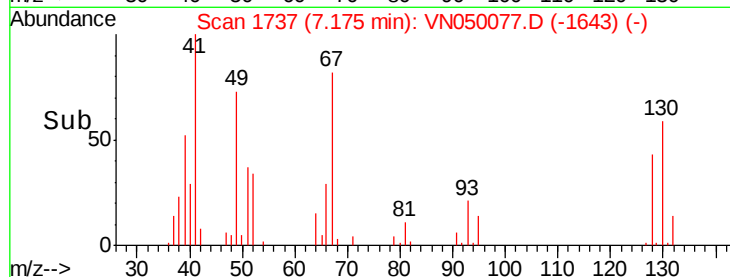
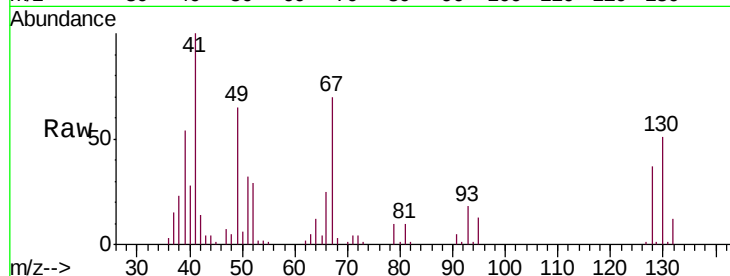




#41
Methacrylonitrile
Concen: 16.06 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

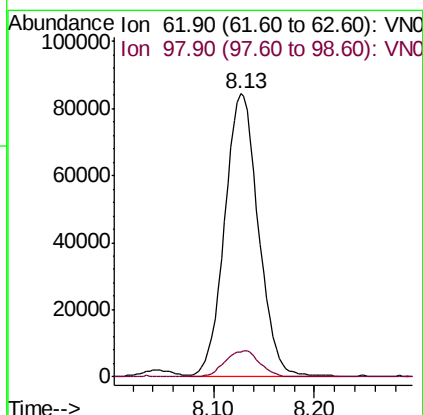
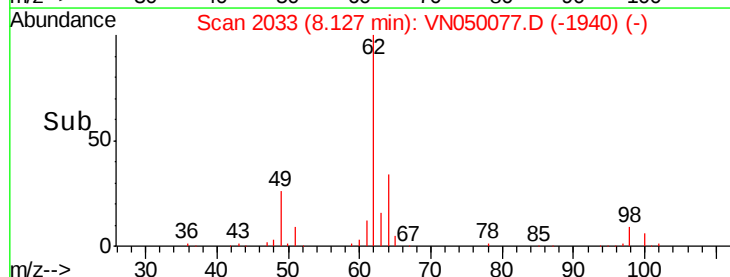
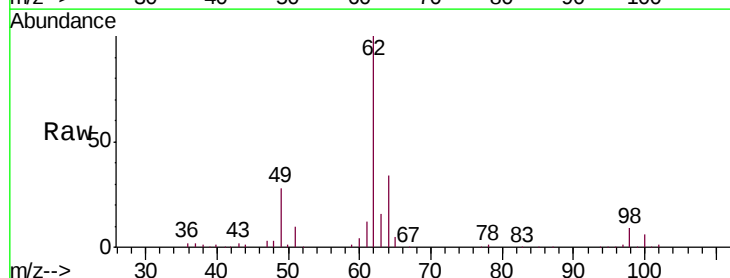
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

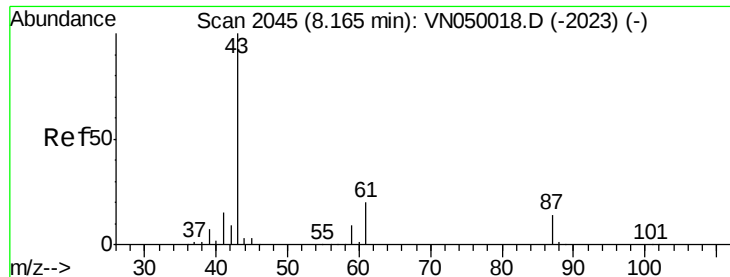
Tot Ion: 41 Resp: 50606
Ion Ratio Lower Upper
41 100
39 66.2 55.8 83.6
67 117.6 84.3 126.5
52 50.0 34.2 51.2



#42
1,2-Dichloroethane
Concen: 19.46 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 62 Resp: 195401
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.8



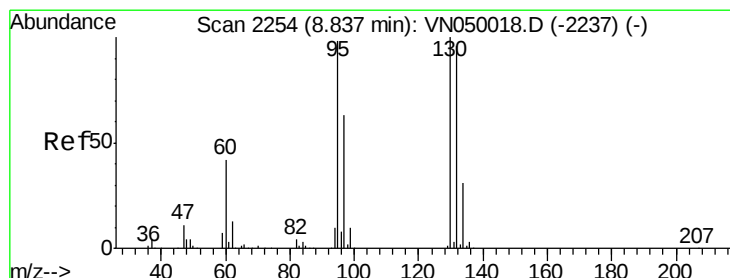
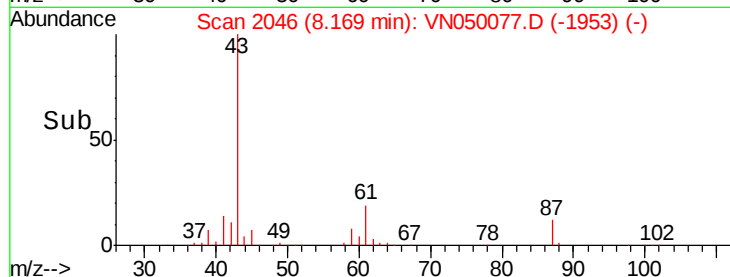
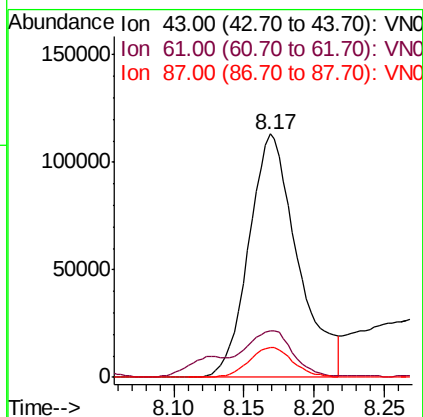
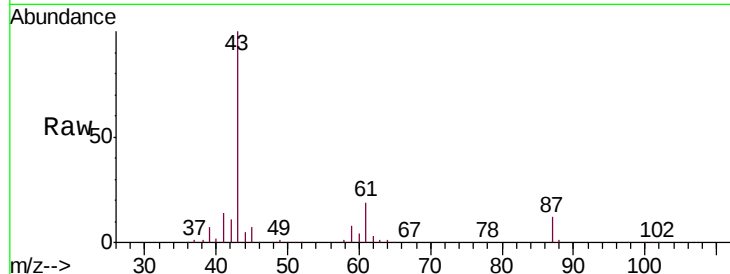


#43

Isopropyl Acetate
 Concen: 20.28 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

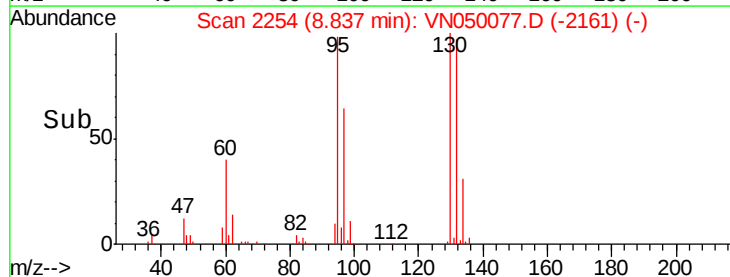
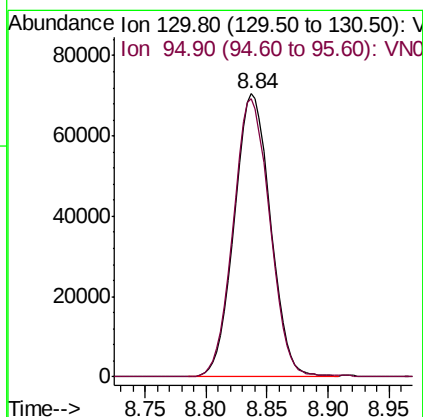
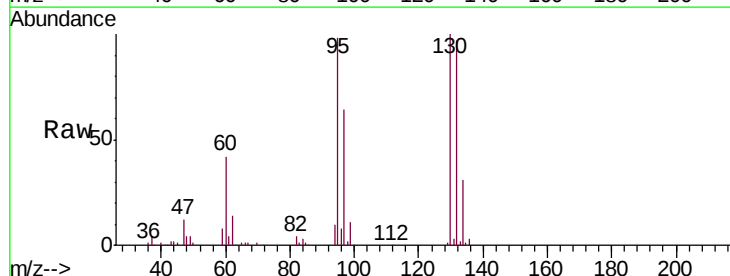
Tot Ion: 43 Resp: 272370
 Ion Ratio Lower Upper
 43 100
 61 17.4 15.8 23.6
 87 11.2 10.3 15.5

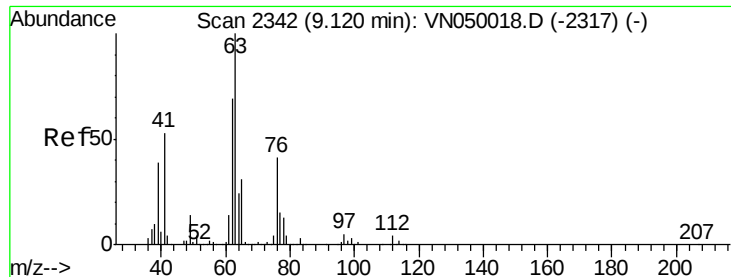


#44

Trichloroethene
 Concen: 17.98 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion:130 Resp: 145390
 Ion Ratio Lower Upper
 130 100
 95 98.3 0.0 194.6





#45

1,2-Dichloropropane

Concen: 19.34 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

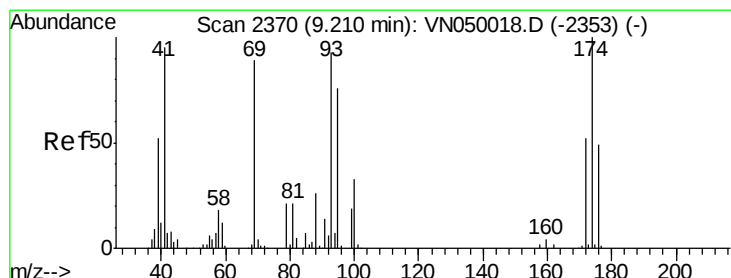
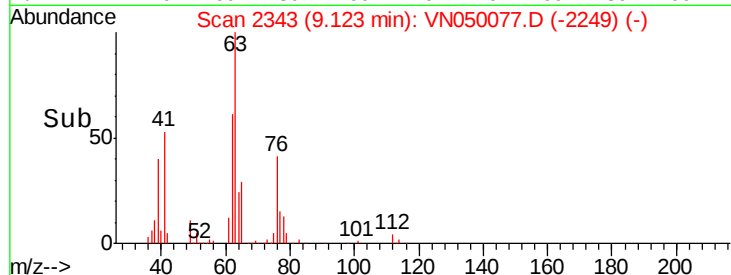
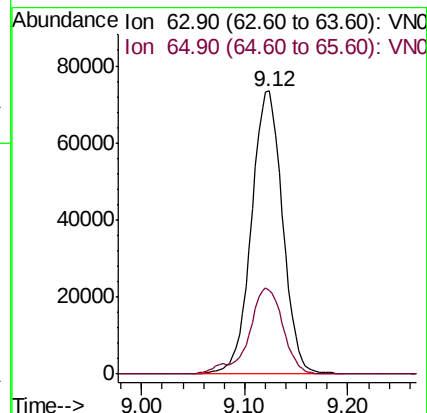
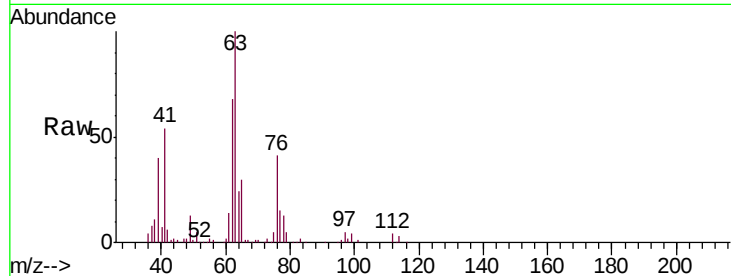
VN0726WBSD01

Tot Ion: 63 Resp: 154182

Ion Ratio Lower Upper

63 100

65 29.7 25.5 38.3



#46

Dibromomethane

Concen: 19.47 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

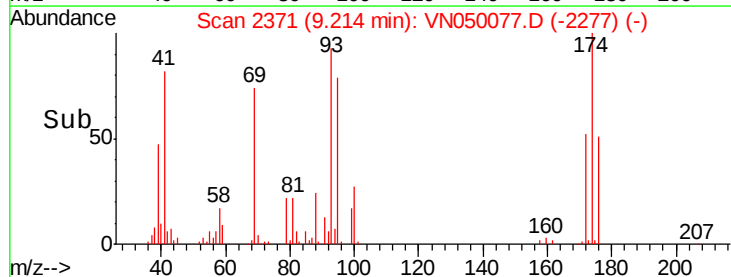
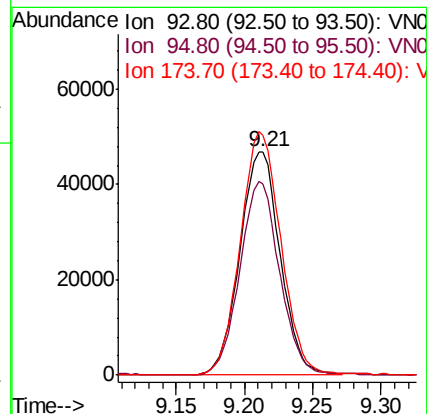
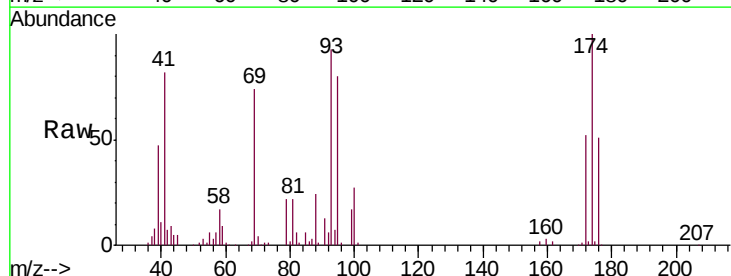
Tgt Ion: 93 Resp: 96400

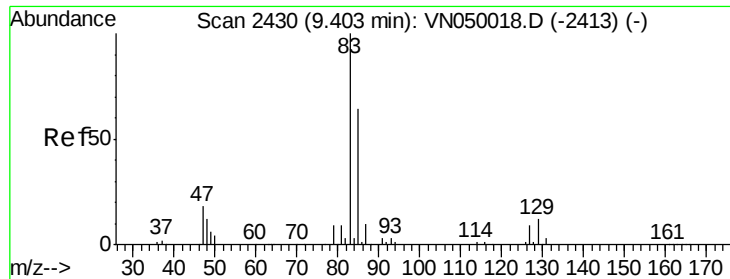
Ion Ratio Lower Upper

93 100

95 85.7 66.6 100.0

174 109.8 87.1 130.7





#47

Bromodichloromethane

Concen: 19.20 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

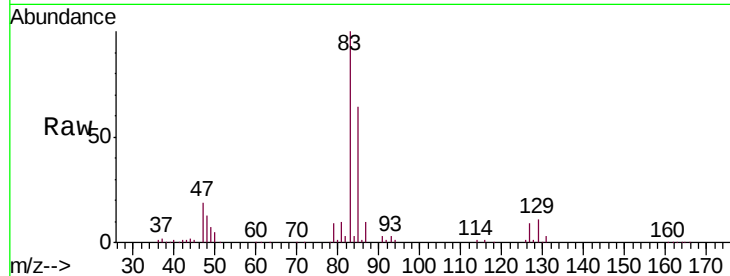
Tot Ion: 83 Resp: 200631

Ion Ratio Lower Upper

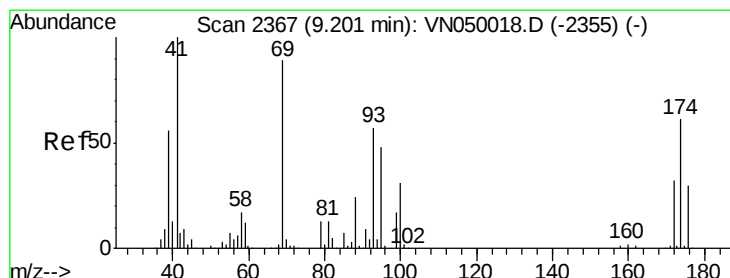
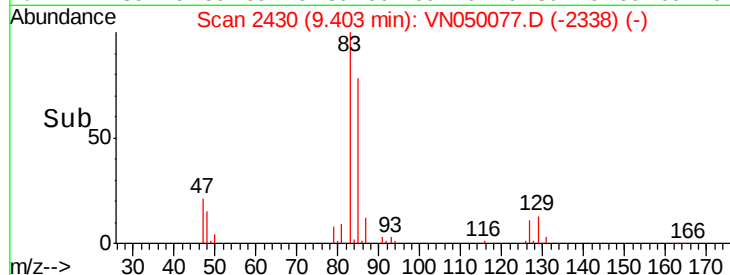
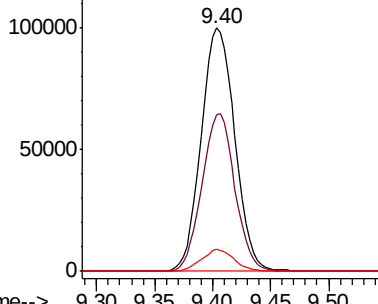
83 100

85 64.3 51.1 76.7

127 9.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.50 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

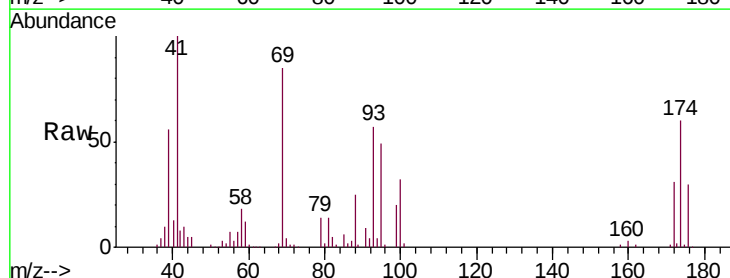
Tgt Ion: 41 Resp: 115791

Ion Ratio Lower Upper

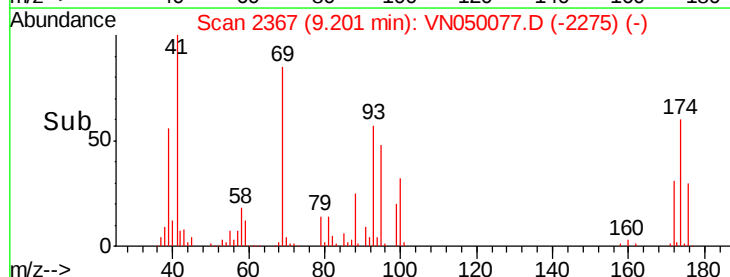
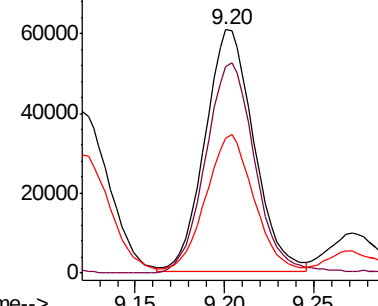
41 100

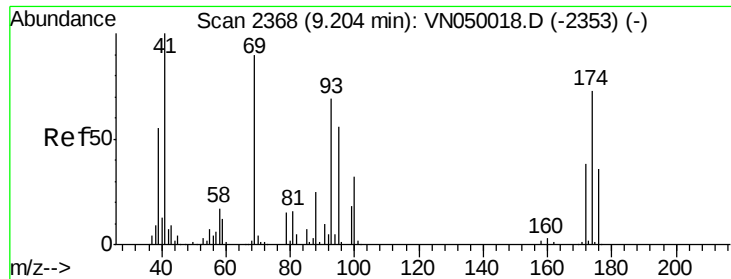
69 88.2 70.6 105.8

39 56.4 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

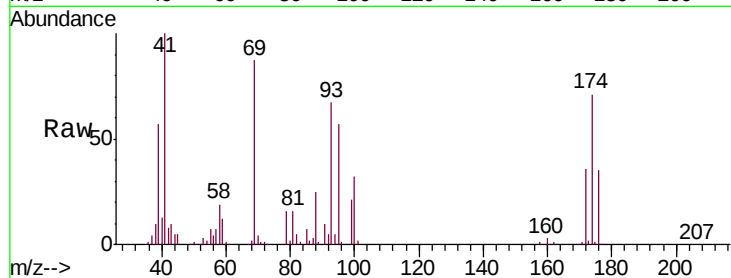




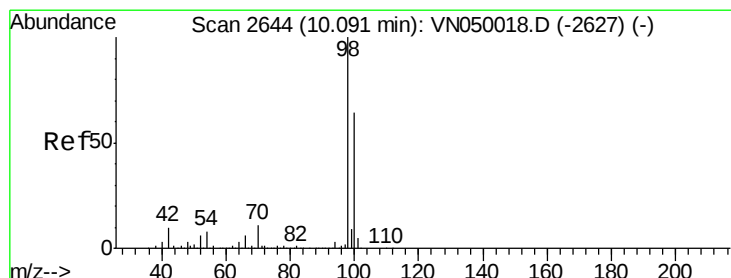
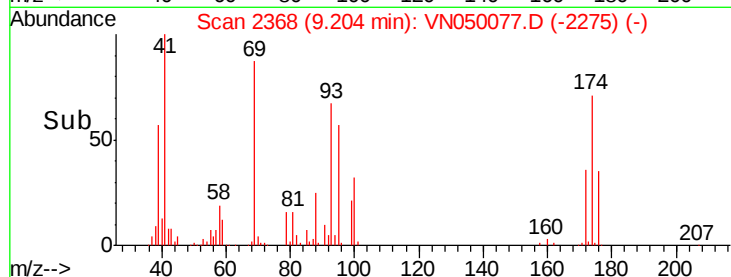
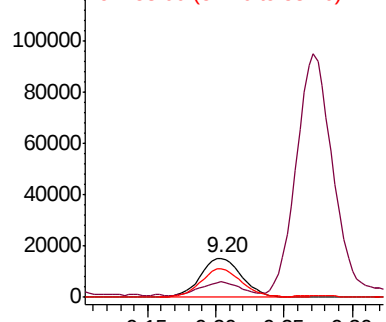
#49
1,4-Dioxane
Concen: 399.22 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion: 88 Resp: 32268
Ion Ratio Lower Upper
88 100
43 33.0 26.9 40.3
58 72.5 57.3 85.9

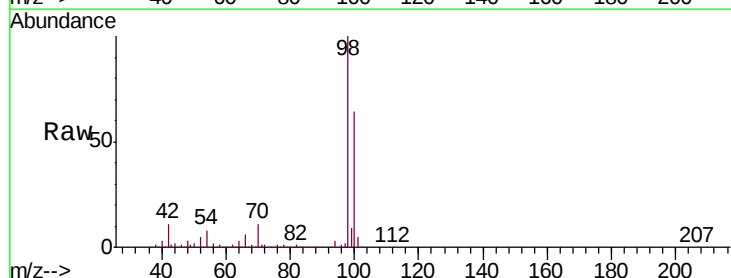


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

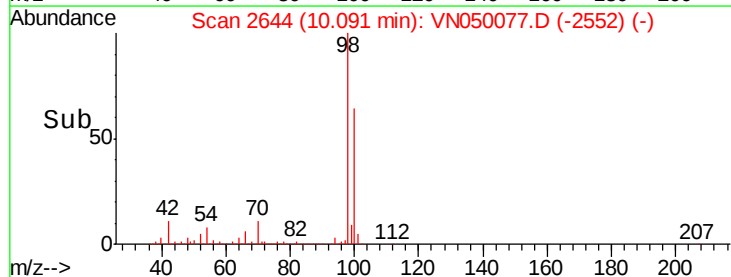
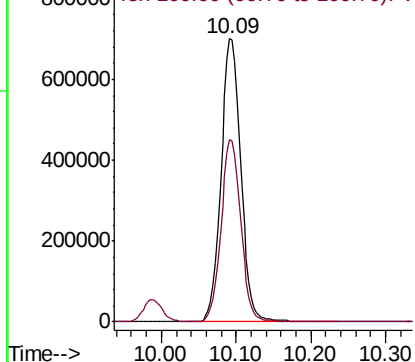


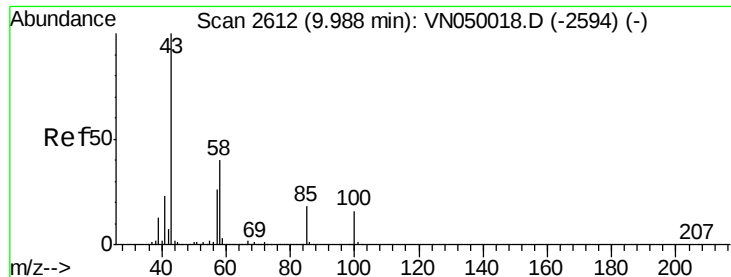
#50
Toluene-d8
Concen: 48.62 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 98 Resp: 1281337
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 99.71 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

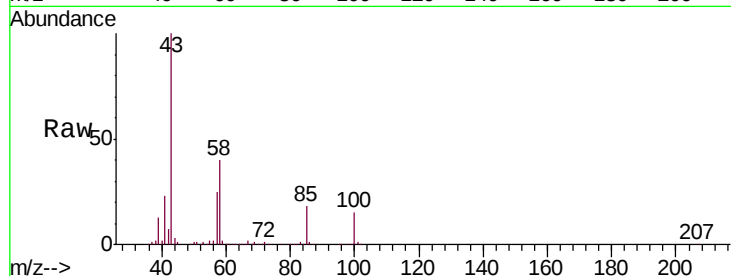
VN0726WBSD01

Tot Ion: 43 Resp: 675963

Ion Ratio Lower Upper

43 100

58 39.5 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

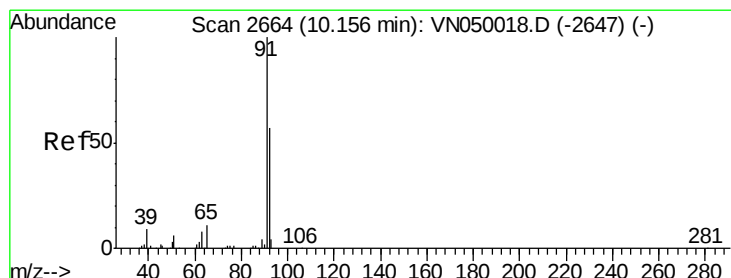
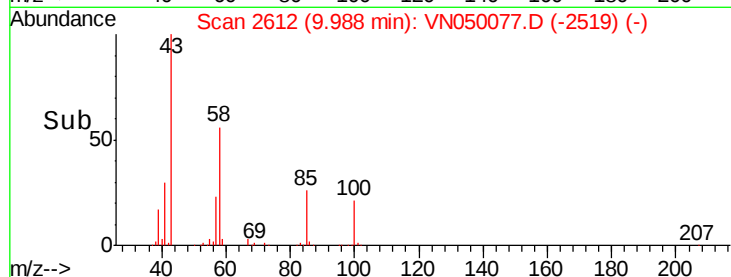
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.39 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050077.D

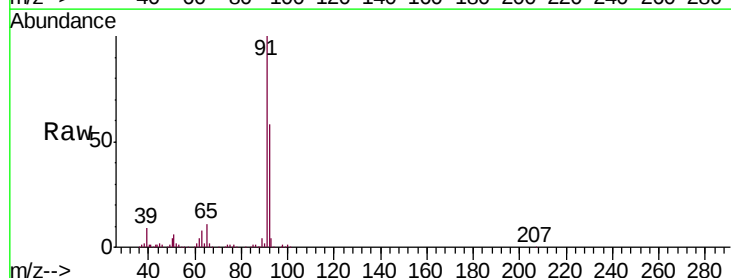
Acq: 26 Jul 2018 13:02

Tgt Ion: 92 Resp: 344555

Ion Ratio Lower Upper

92 100

91 176.5 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

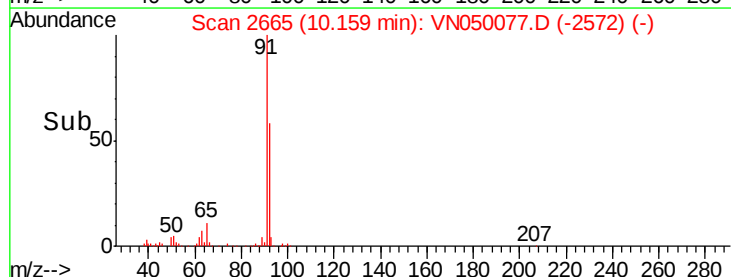
300000

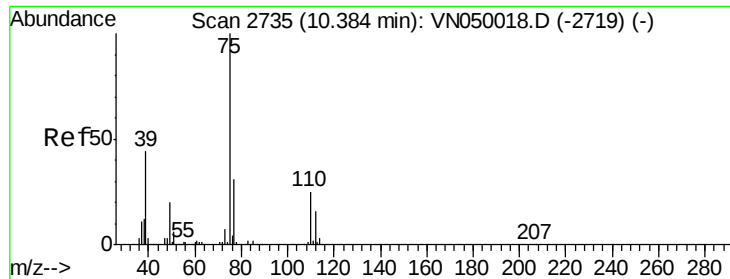
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.45 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

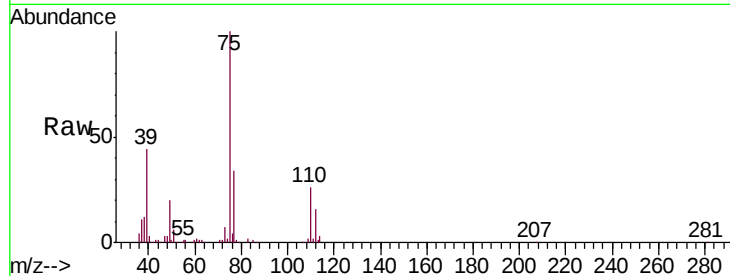
VN0726WBSD01

Tot Ion: 75 Resp: 191738

Ion Ratio Lower Upper

75 100

77 33.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

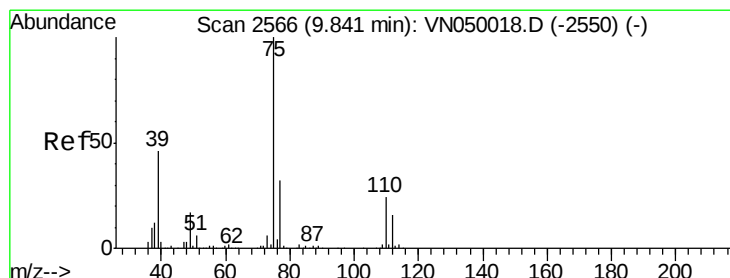
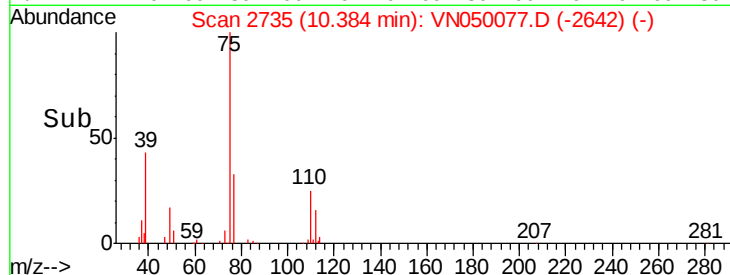
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.54 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

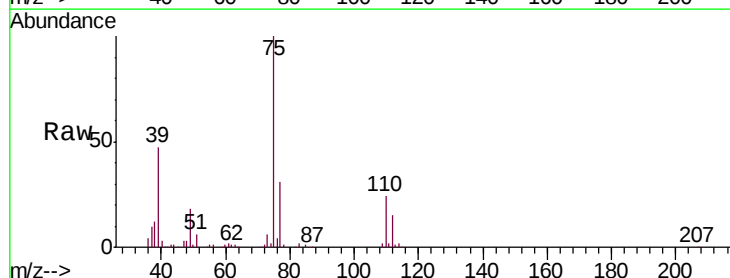
Tgt Ion: 75 Resp: 220108

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 46.6 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

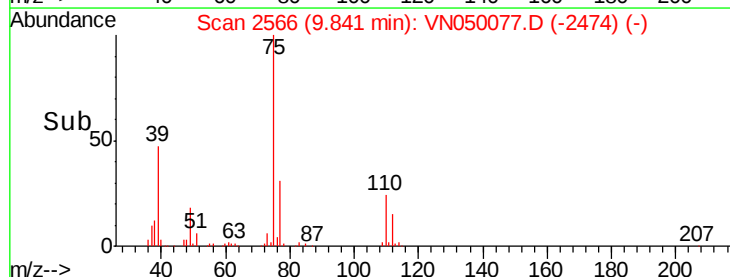
150000

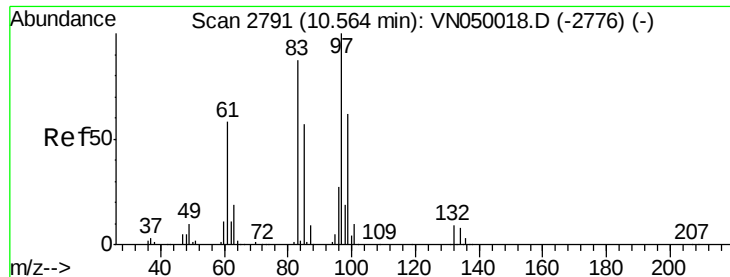
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.80 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

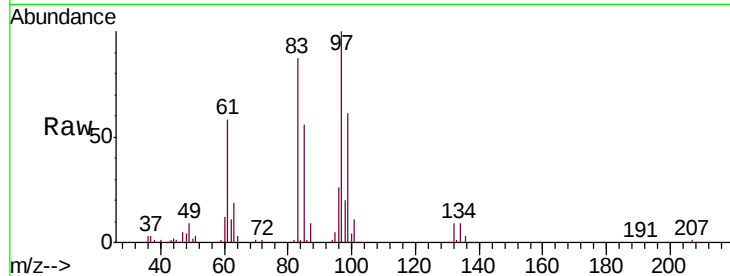
MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 97 Resp: 139527

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.2	103.8
85	55.7	44.0	66.0
99	61.4	49.9	74.9

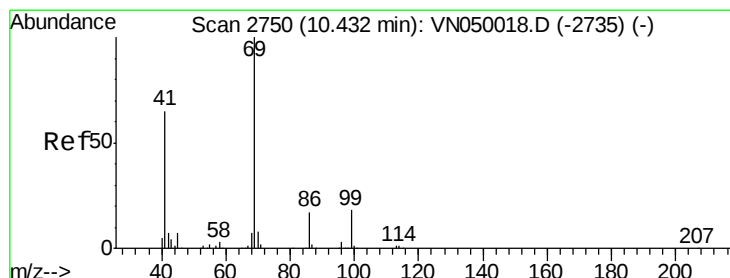
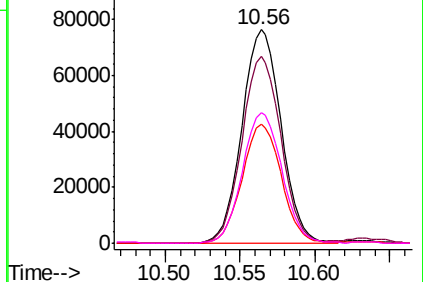
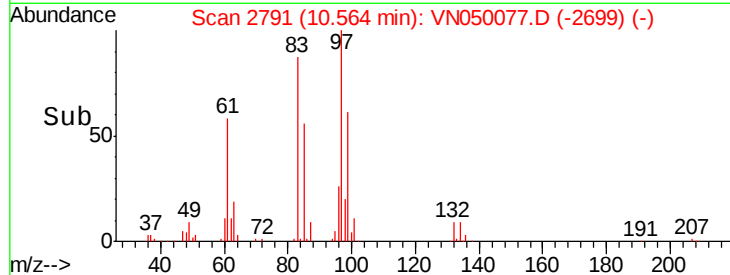


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.32 ug/l

RT: 10.43 min Scan# 2750

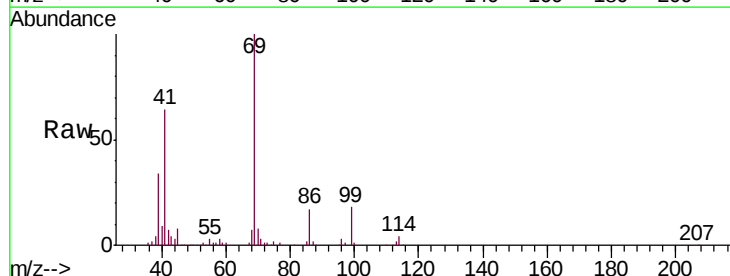
Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion: 69 Resp: 162048

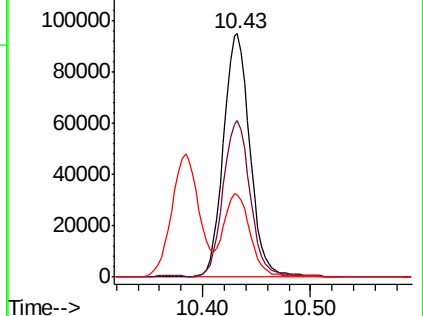
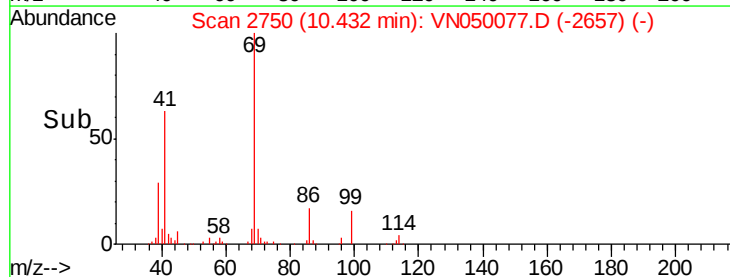
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.0	76.4
39	34.8	26.6	40.0

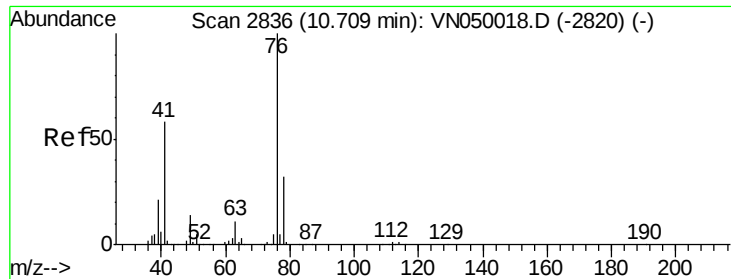


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

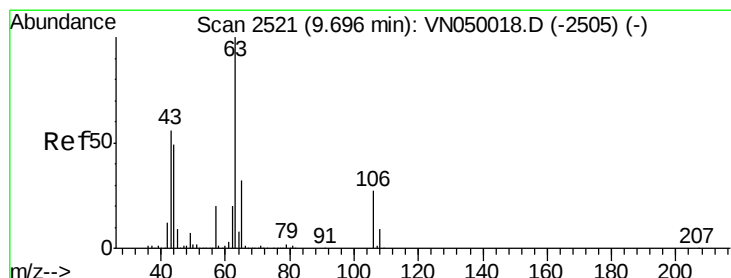
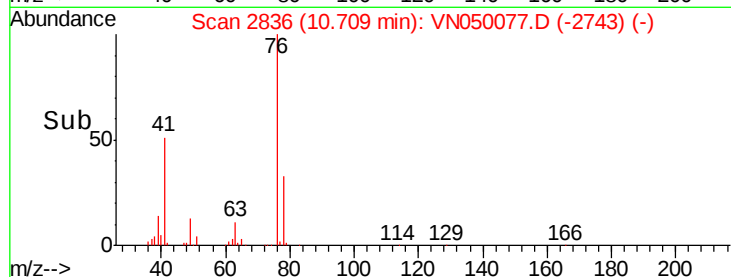
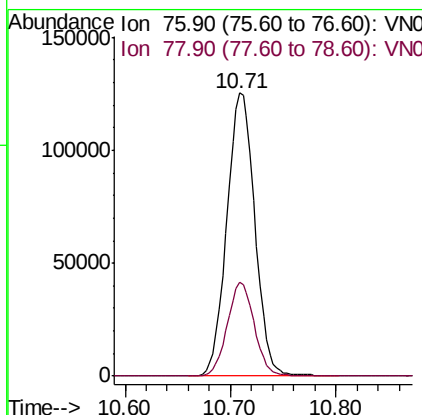
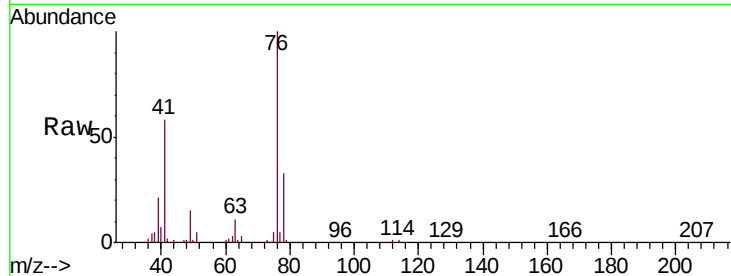




#57
 1,3-Dichloropropane
 Concen: 20.07 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

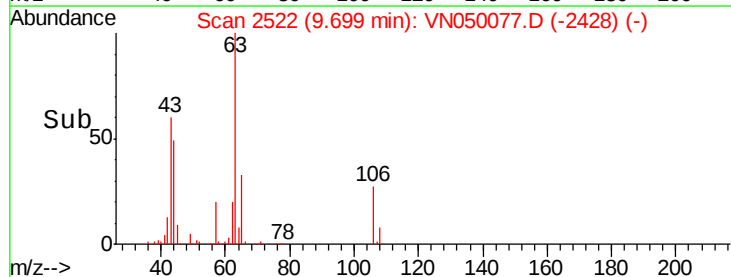
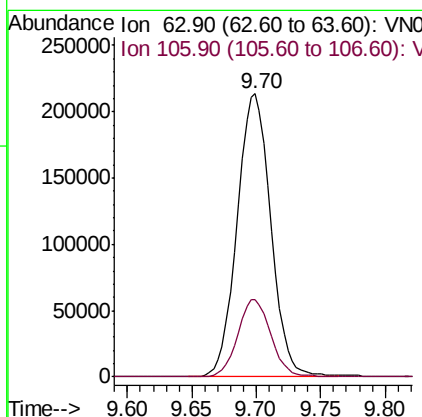
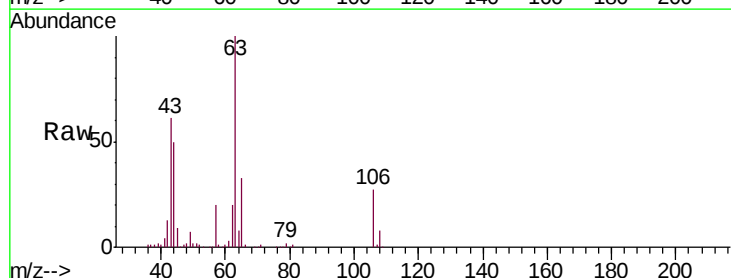
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

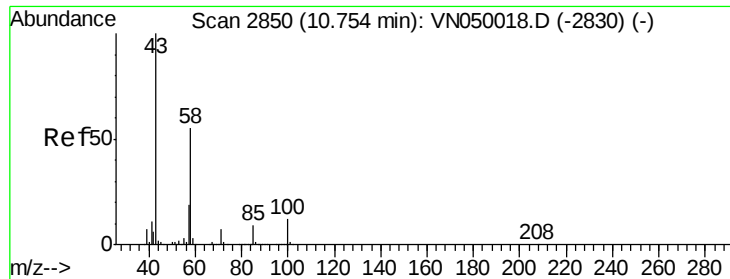
Tot Ion: 76 Resp: 230304
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.60 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion: 63 Resp: 388235
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.7 32.5

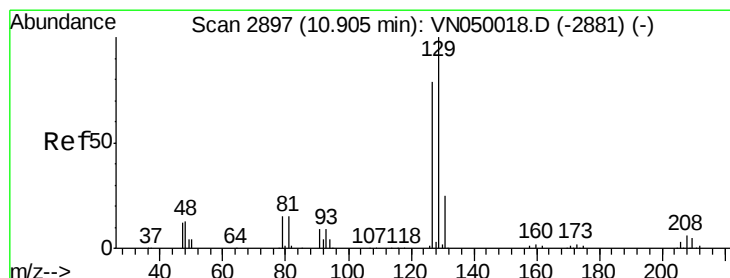
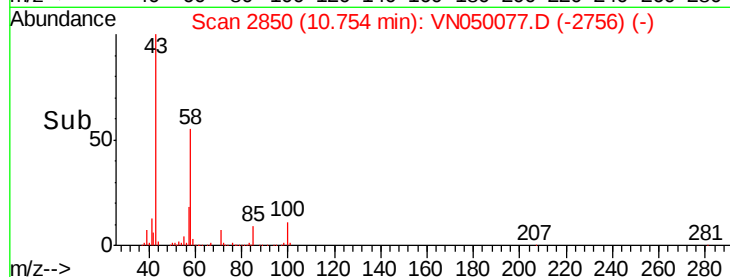
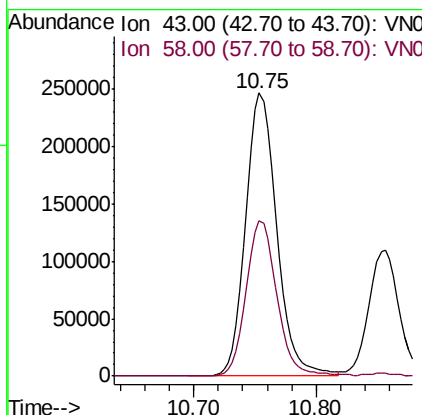
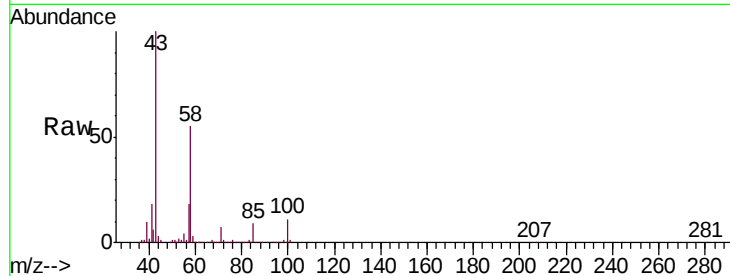




#59
2-Hexanone
Concen: 89.91 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

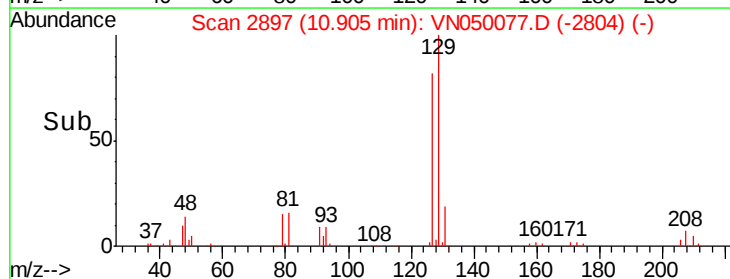
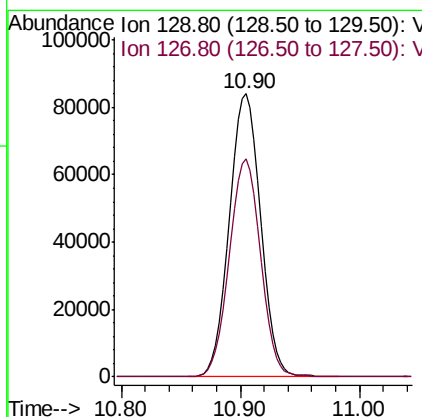
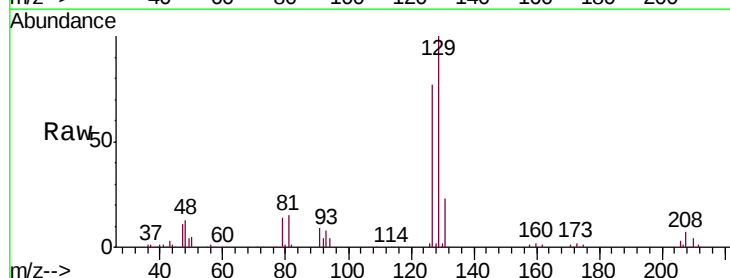
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

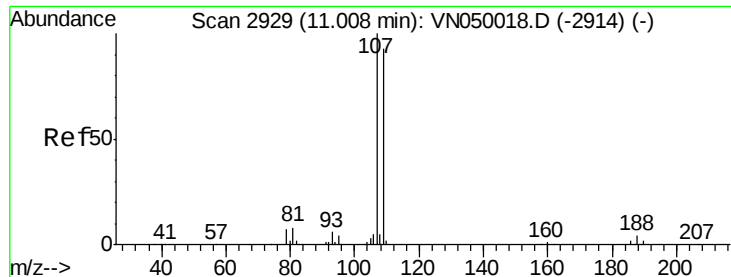
Tot Ion: 43 Resp: 431028
Ion Ratio Lower Upper
43 100
58 54.5 27.6 82.7



#60
Dibromochloromethane
Concen: 19.71 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 129 Resp: 153758
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.97 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

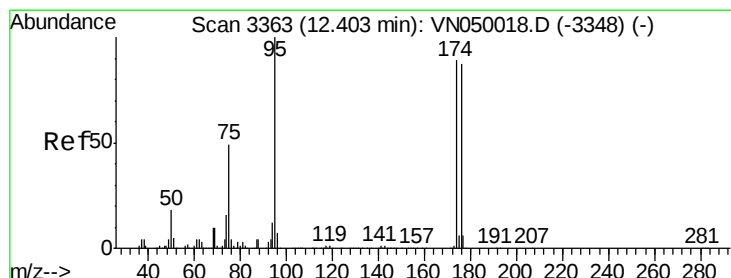
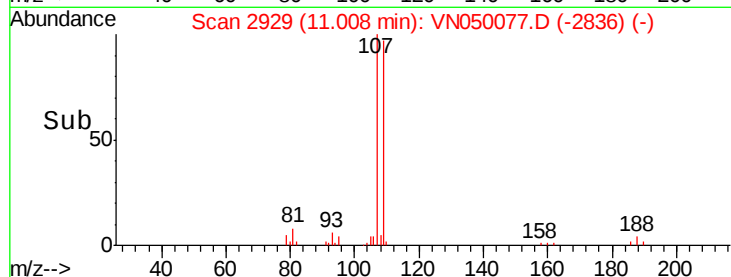
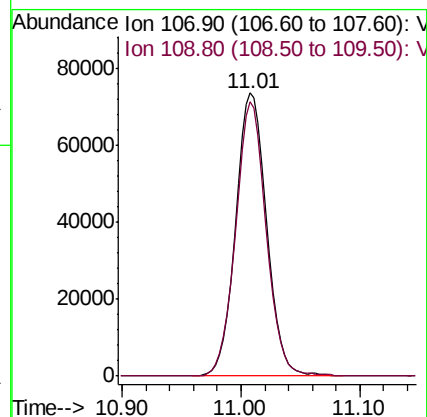
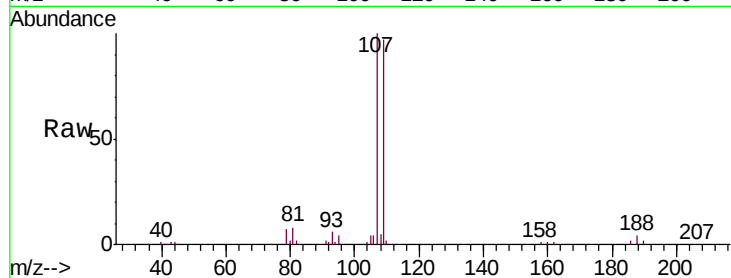
VN0726WBSD01

Tot Ion:107 Resp: 132610

Ion Ratio Lower Upper

107 100

109 95.6 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 47.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

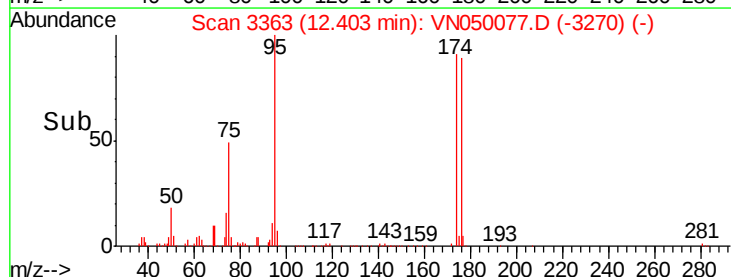
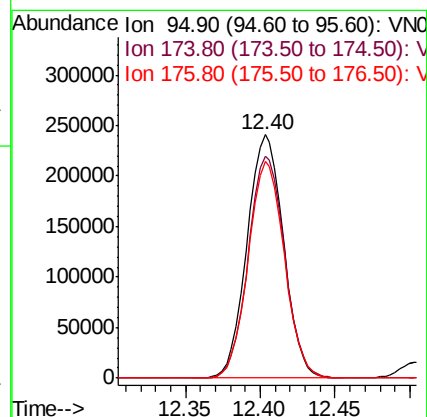
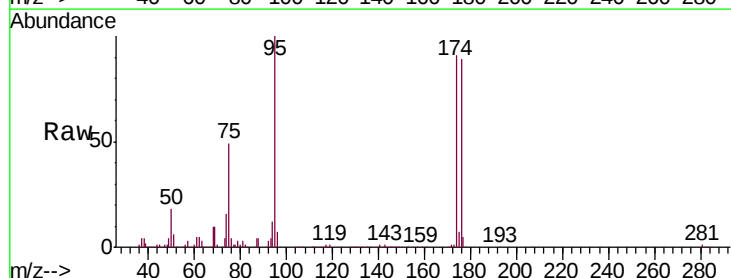
Tgt Ion: 95 Resp: 409875

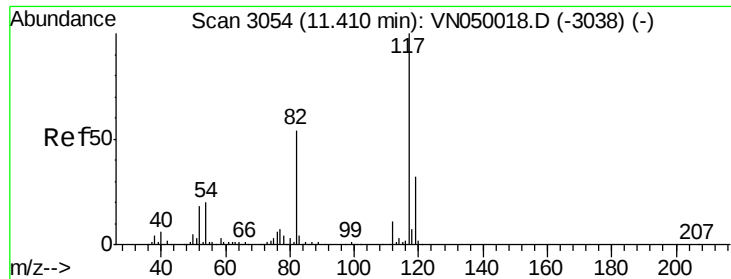
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

176 88.0 0.0 173.4

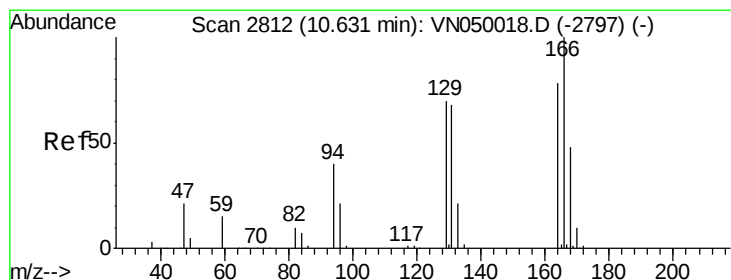
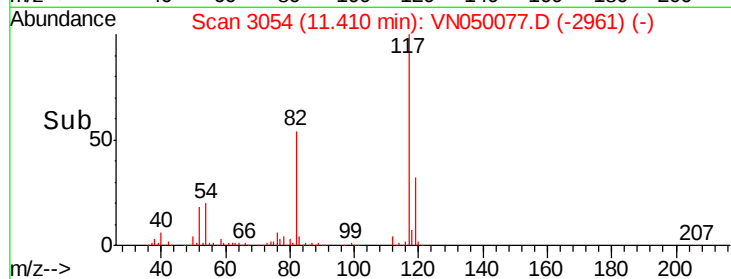
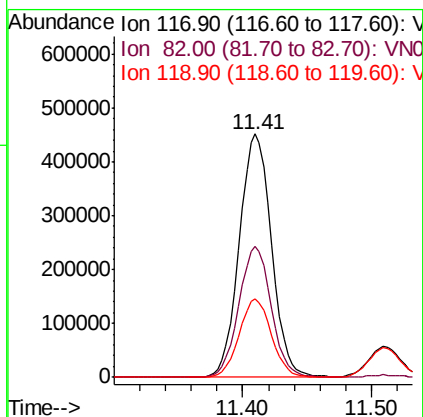
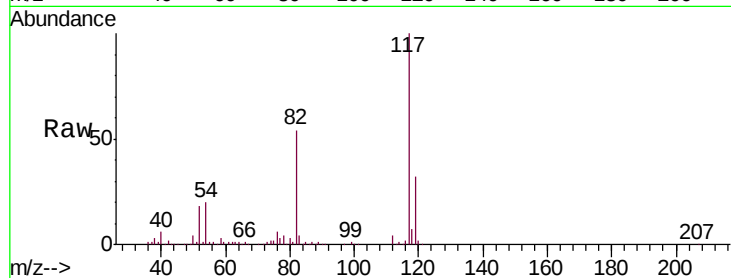




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

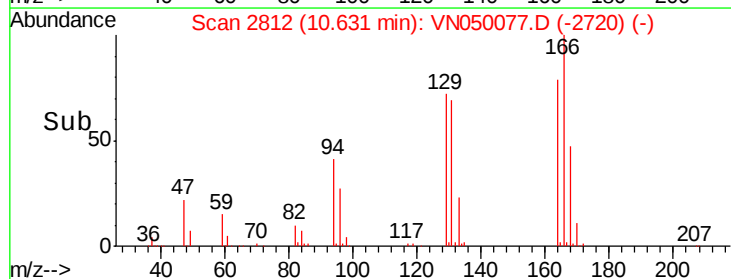
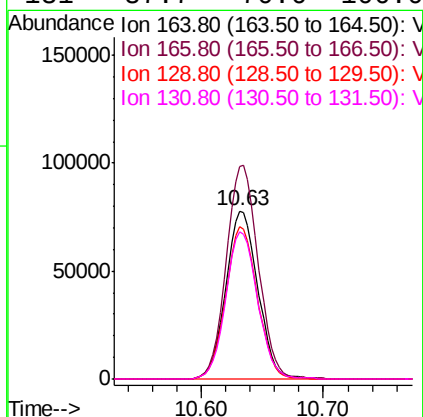
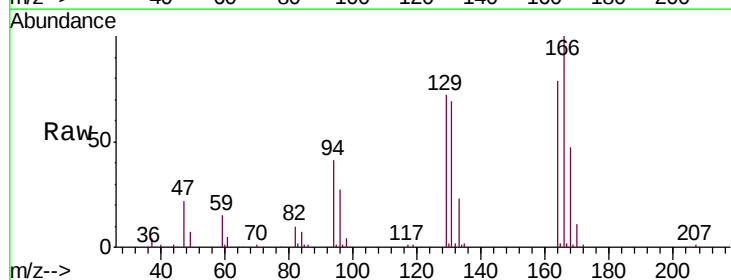
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

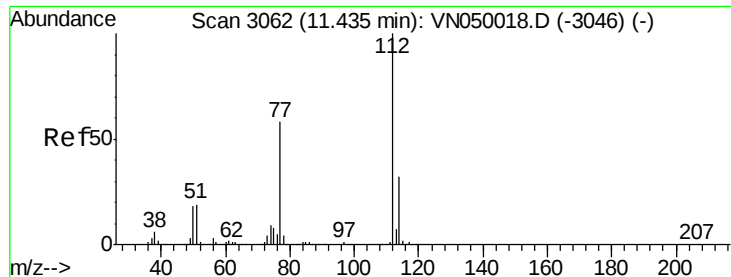
Tot Ion:117 Resp: 786849
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 18.85 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion:164 Resp: 142565
Ion Ratio Lower Upper
164 100
166 126.7 102.1 153.1
129 90.8 73.2 109.8
131 87.7 70.6 106.0

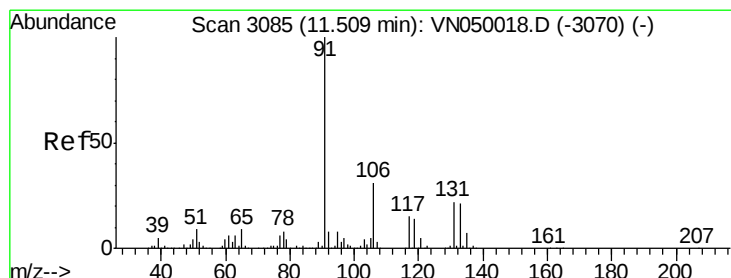
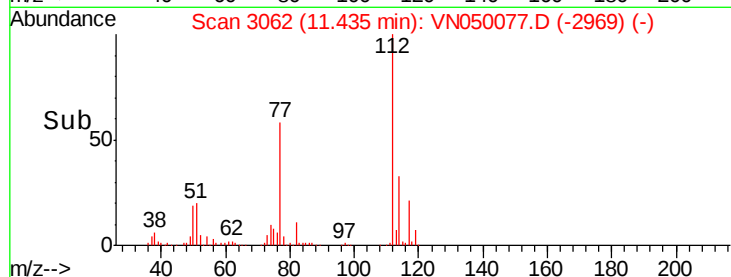
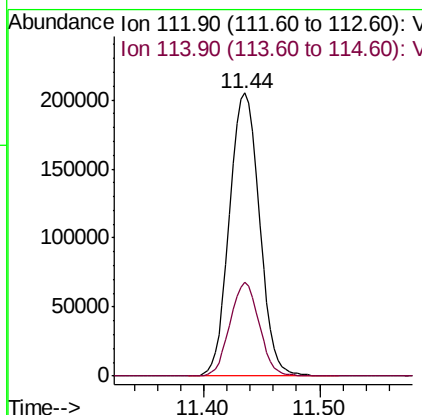
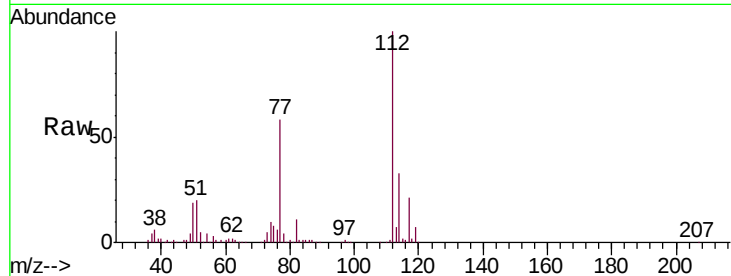




#65
Chlorobenzene
Concen: 18.49 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

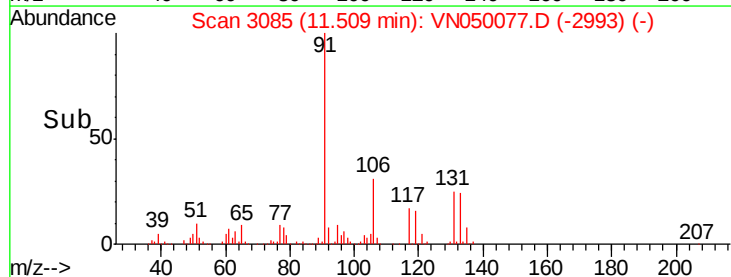
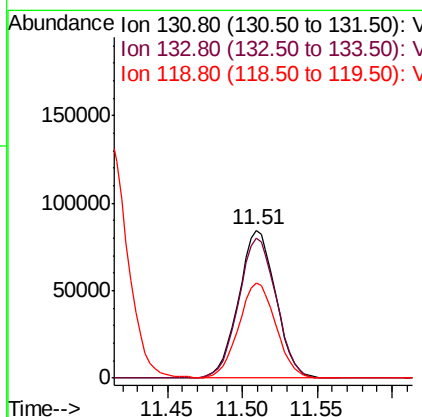
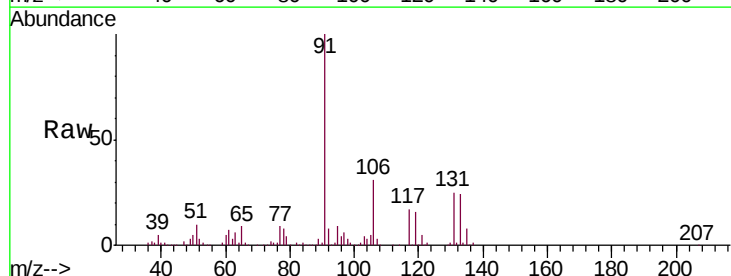
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

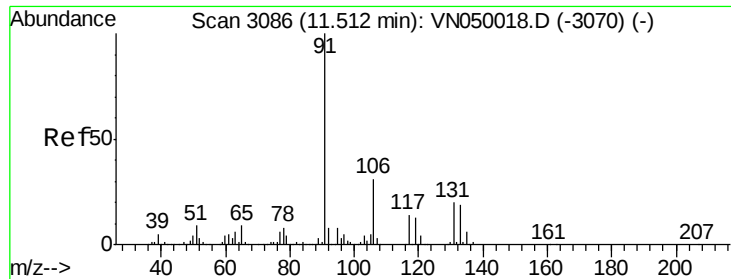
Tot Ion:112 Resp: 367460
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.06 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion:131 Resp: 145590
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.9
119 64.5 32.9 98.7





#67

Ethyl Benzene

Concen: 18.78 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

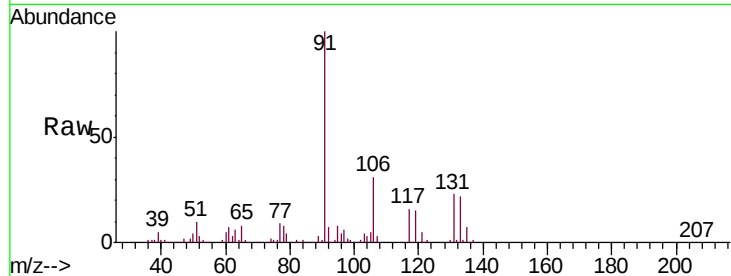
VN0726WBSD01

Tot Ion: 91 Resp: 599688

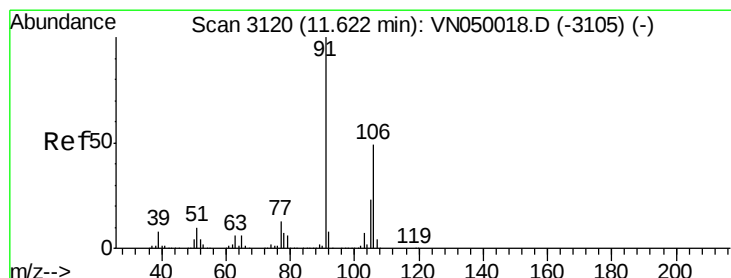
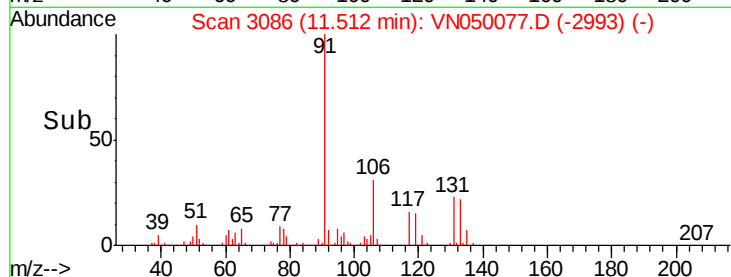
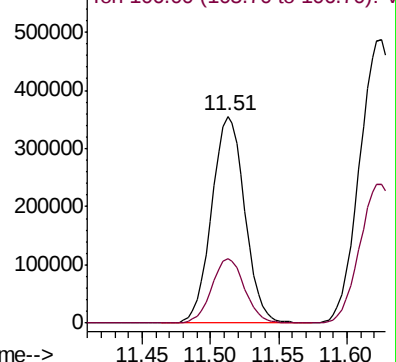
Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)



#68

m/p-Xylenes

Concen: 38.39 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050077.D

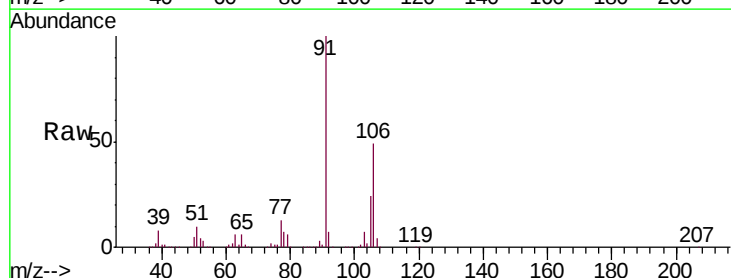
Acq: 26 Jul 2018 13:02

Tgt Ion: 106 Resp: 463611

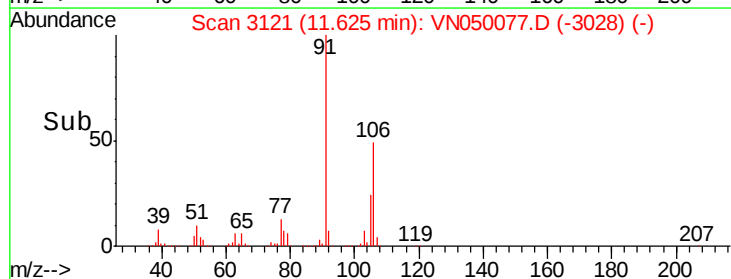
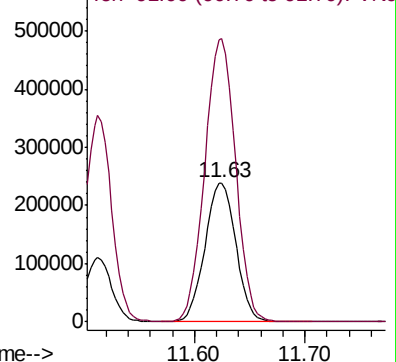
Ion Ratio Lower Upper

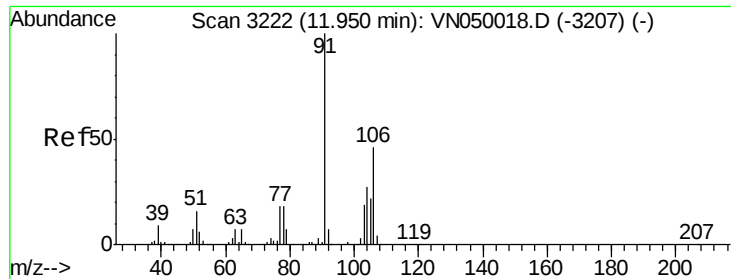
106 100

91 202.9 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)

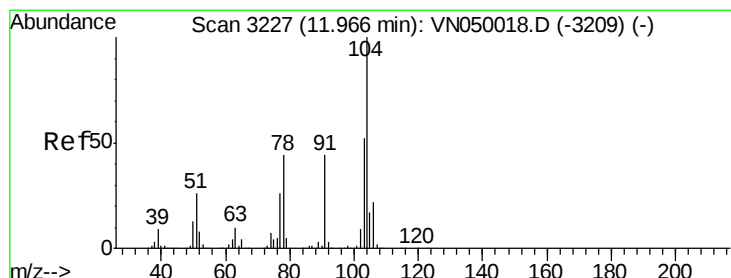
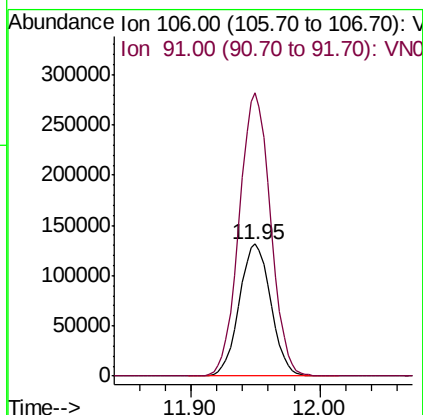
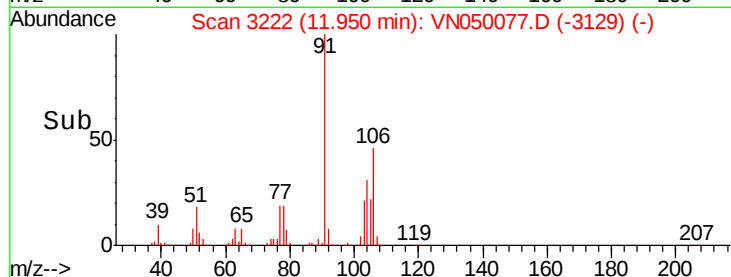
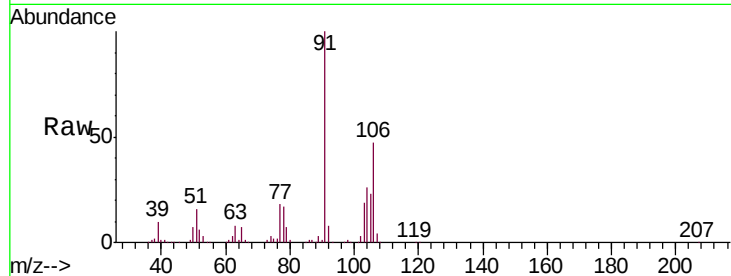




#69
o-Xylene
Concen: 19.46 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

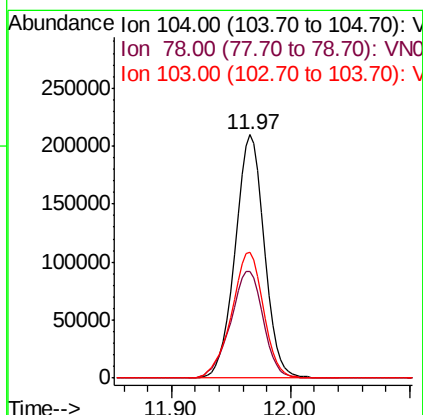
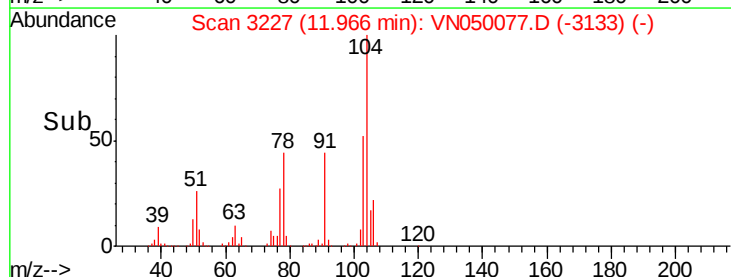
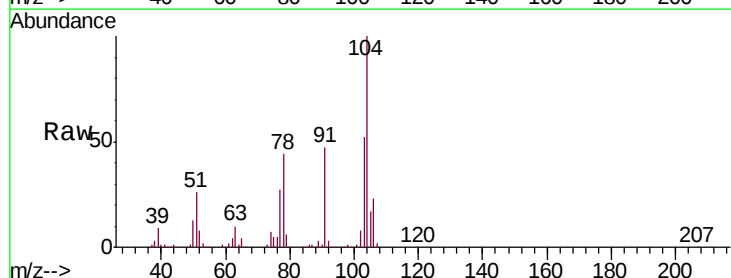
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

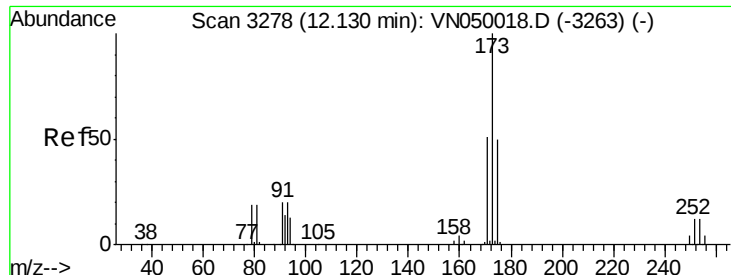
Tot Ion:106 Resp: 224059
Ion Ratio Lower Upper
106 100
91 213.1 107.7 323.1



#70
Styrene
Concen: 18.01 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion:104 Resp: 356339
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 56.6 45.0 67.6

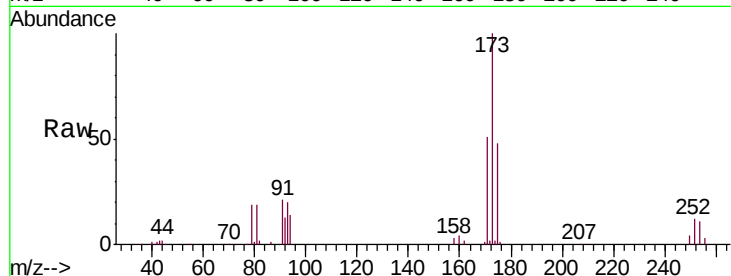




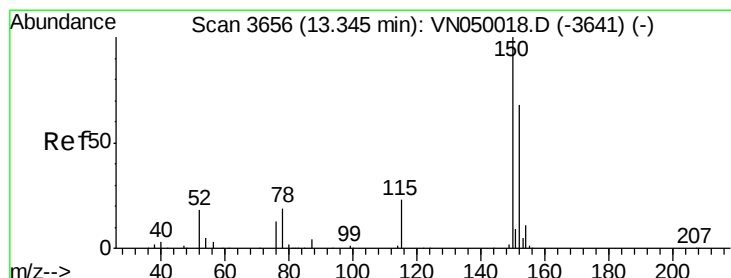
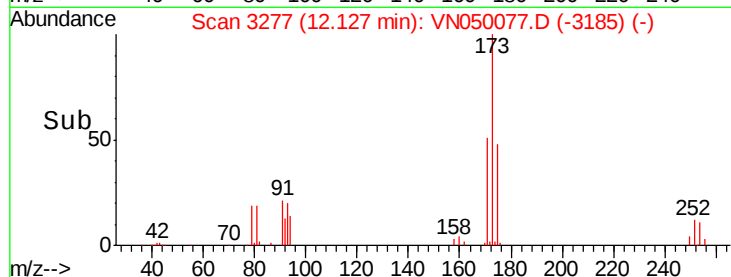
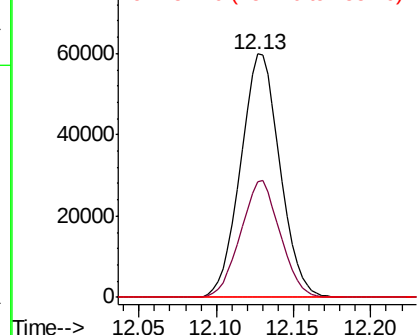
#71
Bromoform
Concen: 19.05 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion:173 Resp: 105821
Ion Ratio Lower Upper
173 100
175 48.4 24.1 72.2
254 0.0 0.2 0.2#

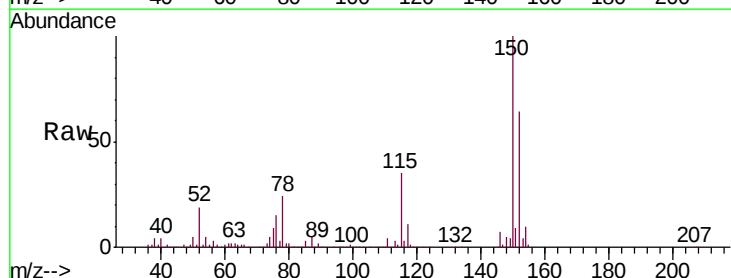


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

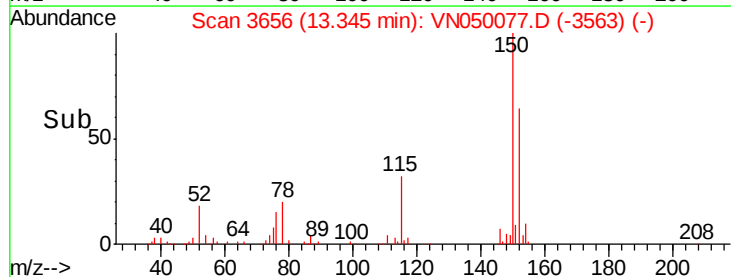
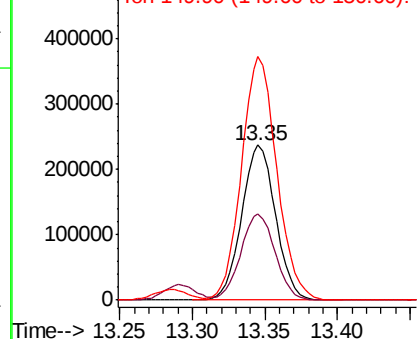


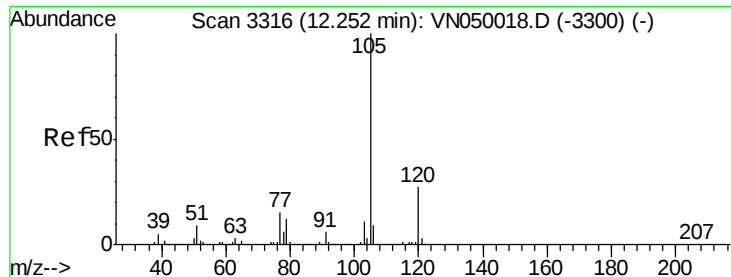
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion:152 Resp: 383573
Ion Ratio Lower Upper
152 100
115 56.7 27.8 83.3
150 163.7 0.0 348.6



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





#73

Isopropylbenzene

Concen: 19.68 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

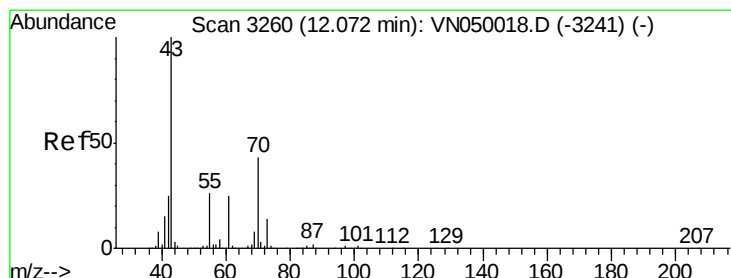
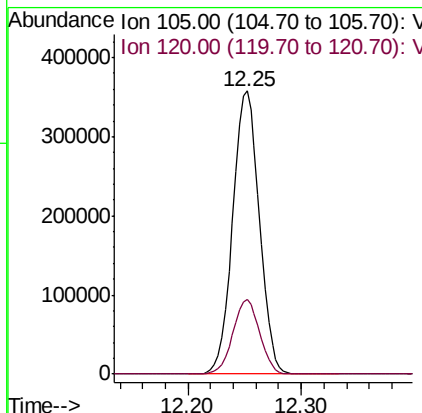
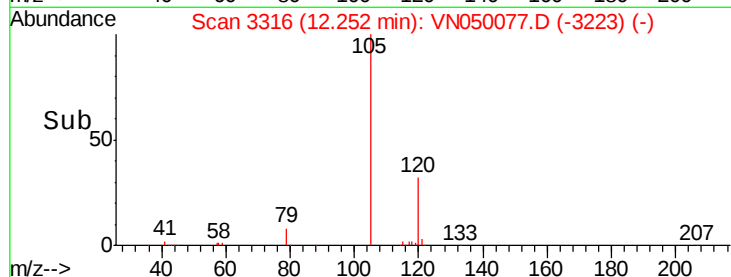
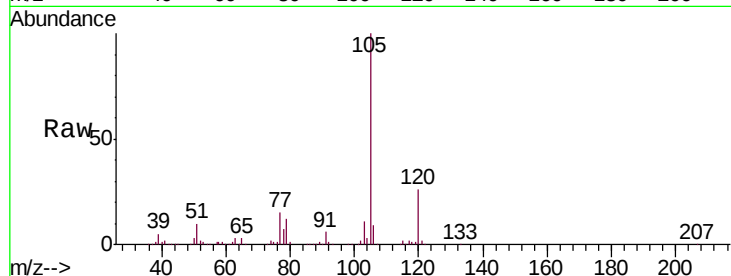
VN0726WBSD01

Tot Ion:105 Resp: 585310

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 18.96 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion: 43 Resp: 172342

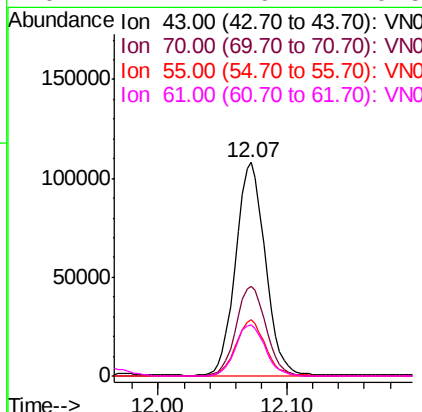
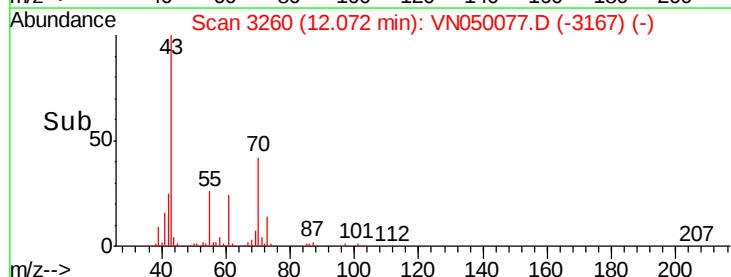
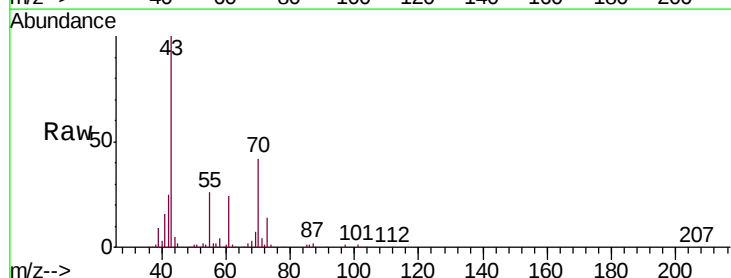
Ion Ratio Lower Upper

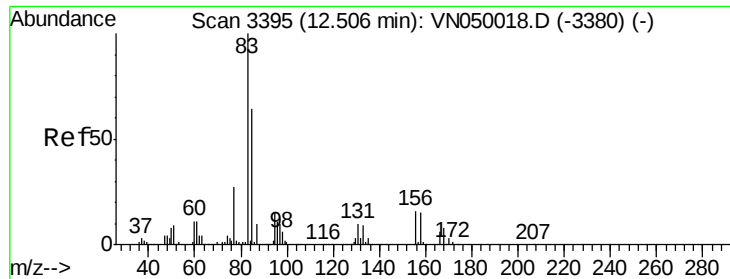
43 100

70 42.7 34.4 51.6

55 26.3 20.8 31.2

61 24.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.96 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0726WBSD01

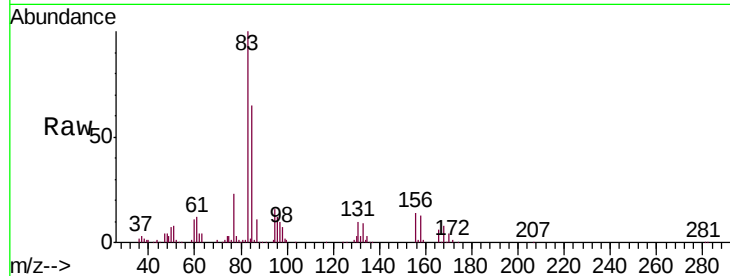
Tot Ion: 83 Resp: 174731

Ion Ratio Lower Upper

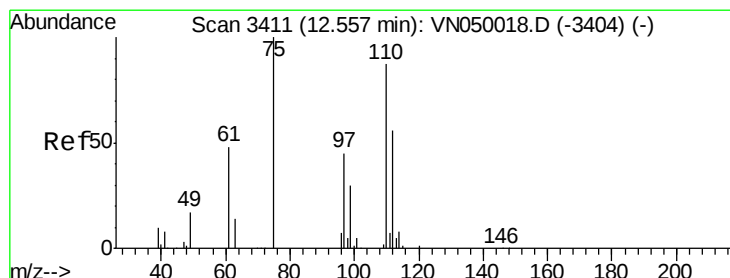
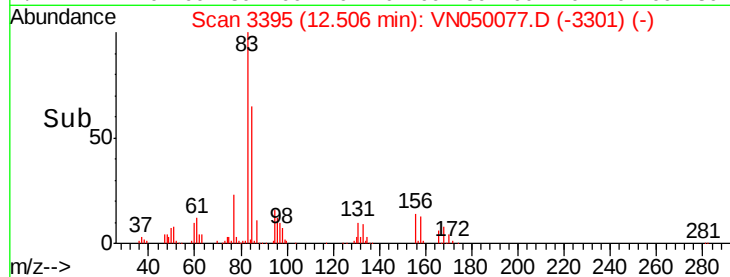
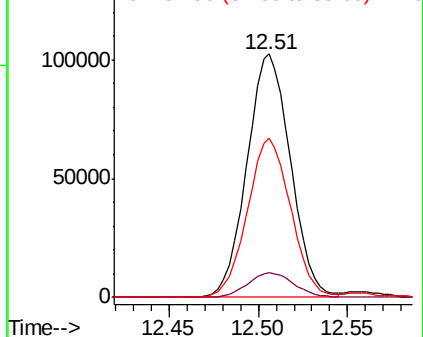
83 100

131 10.7 5.1 15.3

85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.97 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050077.D

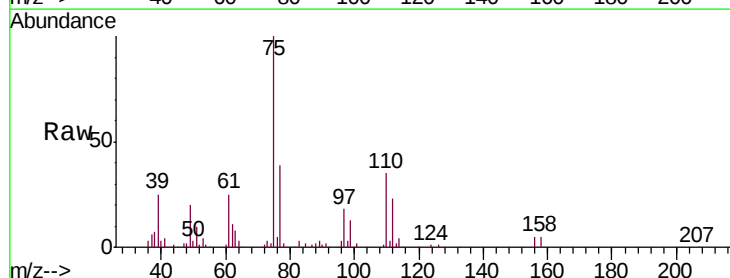
Acq: 26 Jul 2018 13:02

Tgt Ion: 75 Resp: 206482

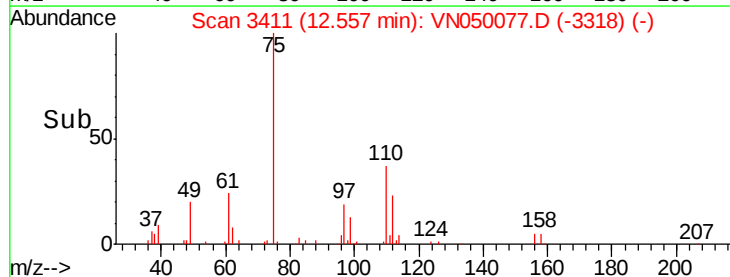
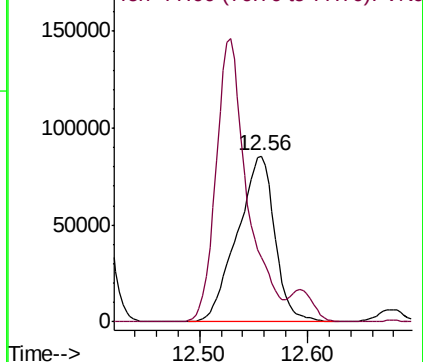
Ion Ratio Lower Upper

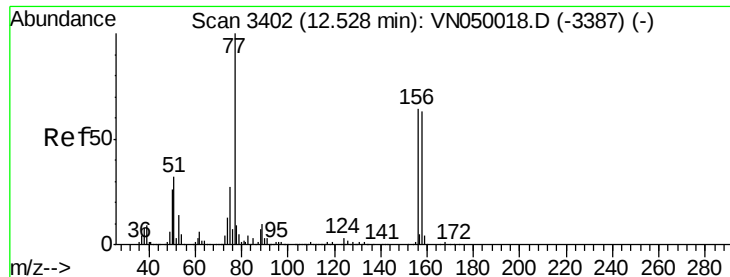
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.07 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

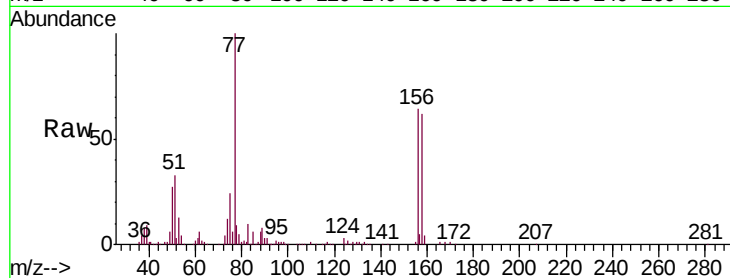
Tot Ion:156 Resp: 157240

Ion Ratio Lower Upper

156 100

77 186.5 91.7 275.1

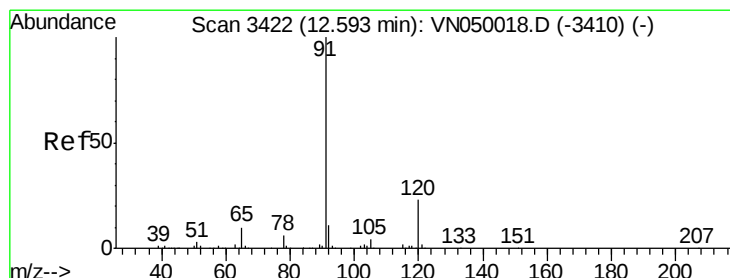
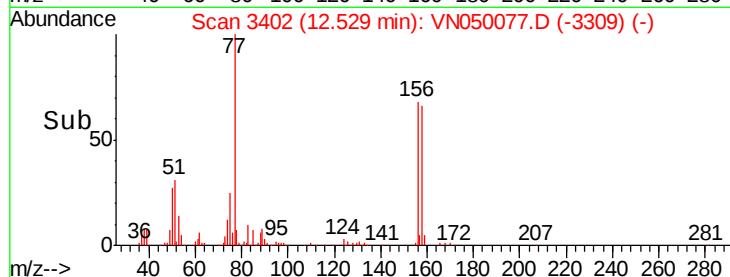
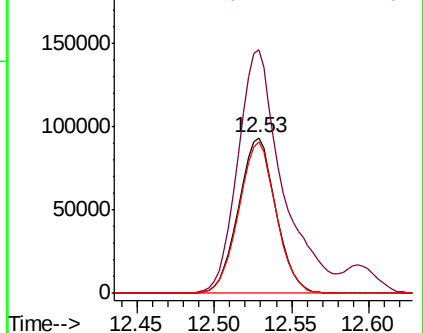
158 96.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.78 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050077.D

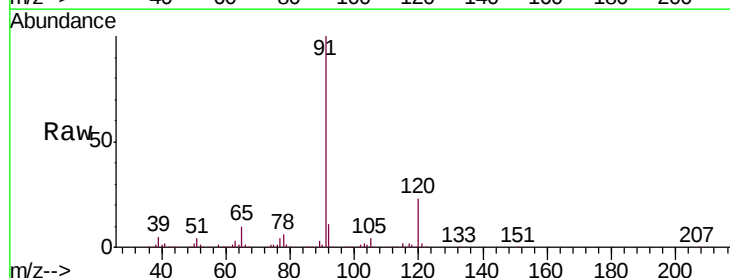
Acq: 26 Jul 2018 13:02

Tgt Ion: 91 Resp: 657784

Ion Ratio Lower Upper

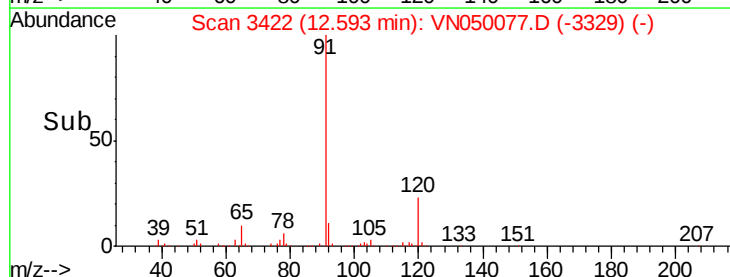
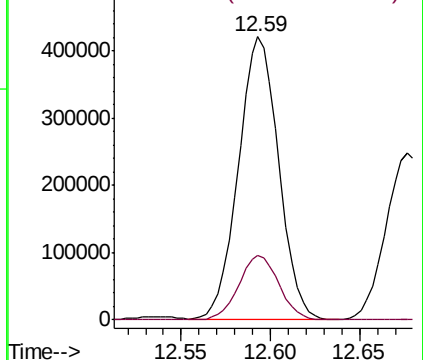
91 100

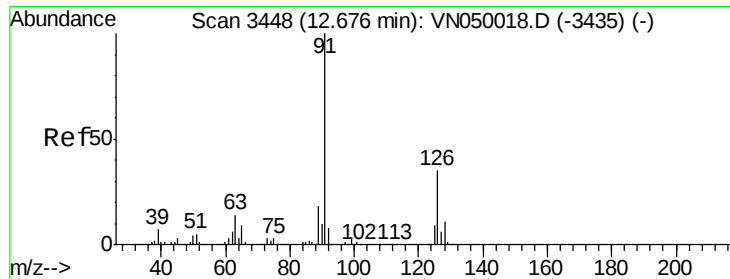
120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.85 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

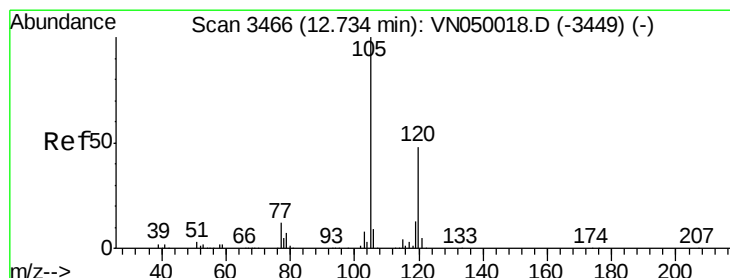
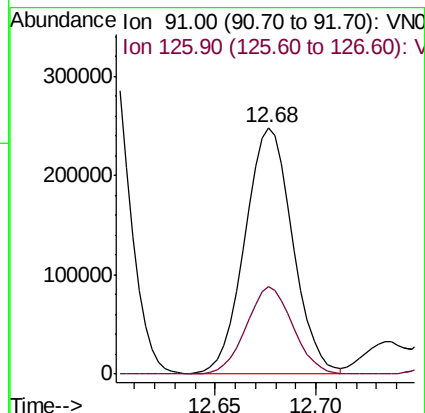
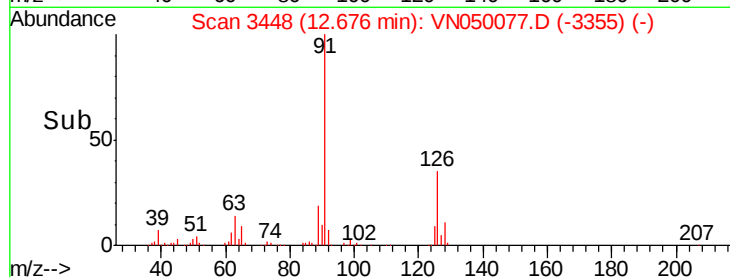
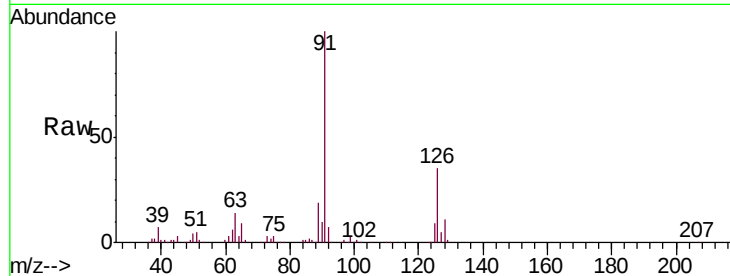
VN0726WBSD01

Tot Ion: 91 Resp: 409100

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 20.83 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050077.D

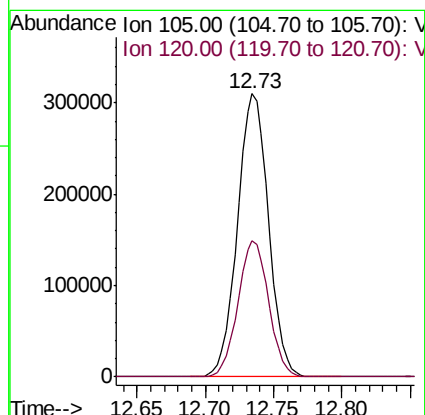
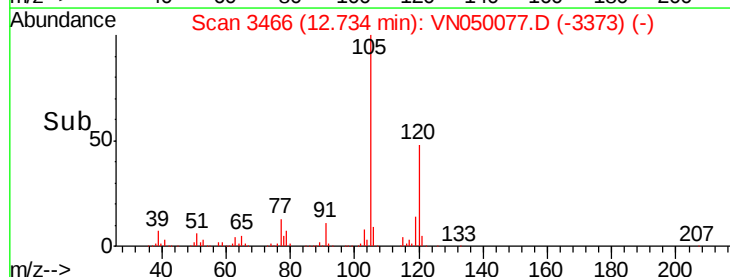
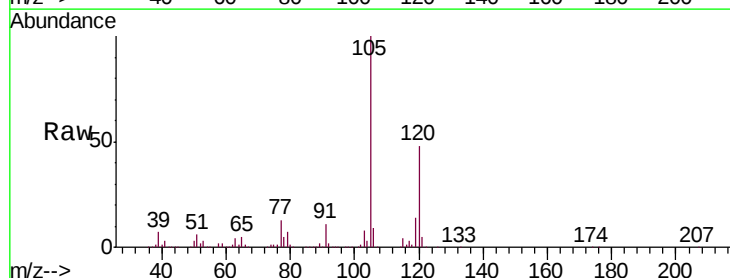
Acq: 26 Jul 2018 13:02

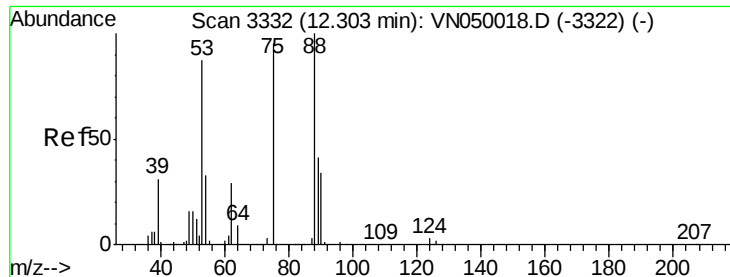
Tgt Ion: 105 Resp: 487368

Ion Ratio Lower Upper

105 100

120 47.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.74 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

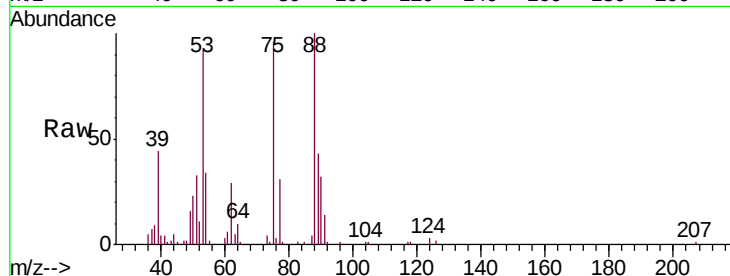
Tot Ion: 75 Resp: 44375

Ion Ratio Lower Upper

75 100

53 97.5 73.5 110.3

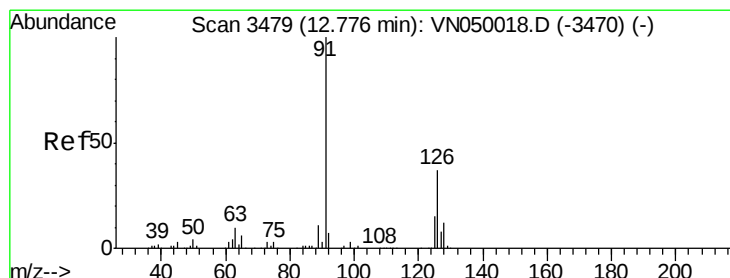
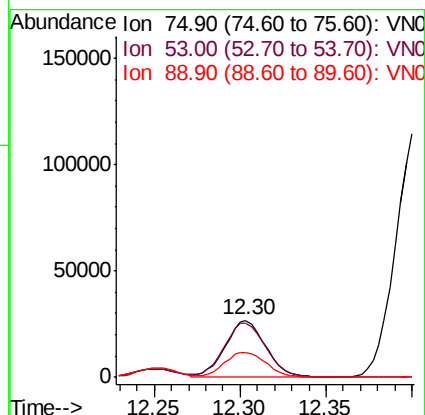
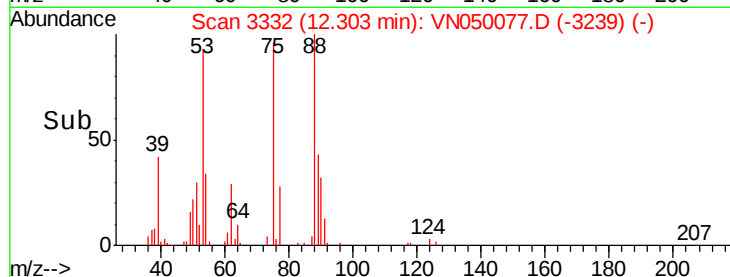
89 45.6 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.77 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050077.D

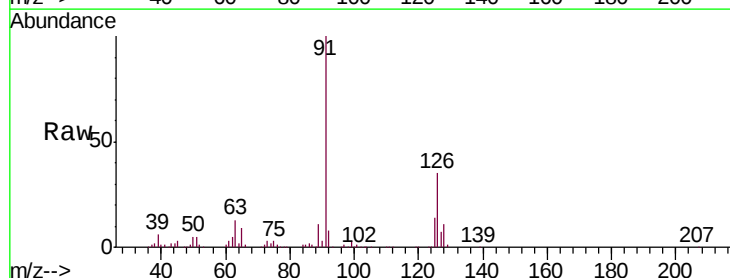
Acq: 26 Jul 2018 13:02

Tgt Ion: 91 Resp: 403421

Ion Ratio Lower Upper

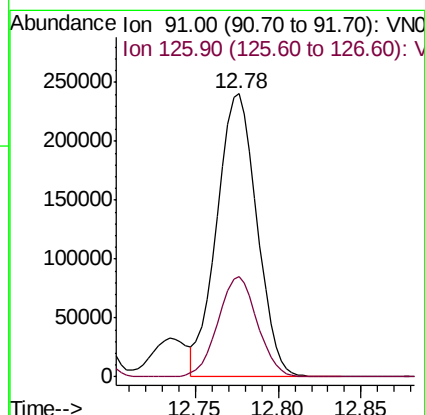
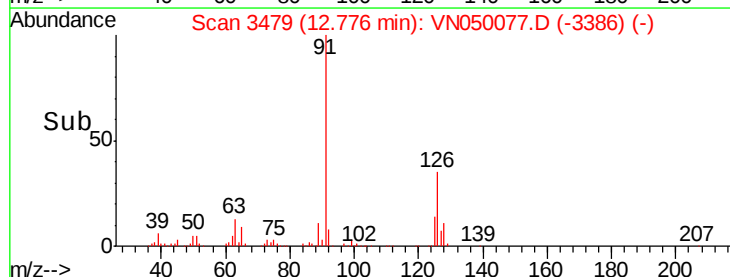
91 100

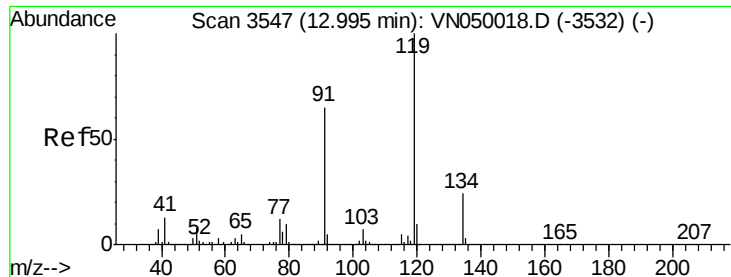
126 34.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

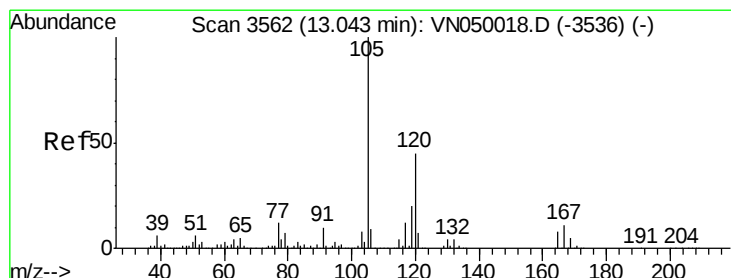
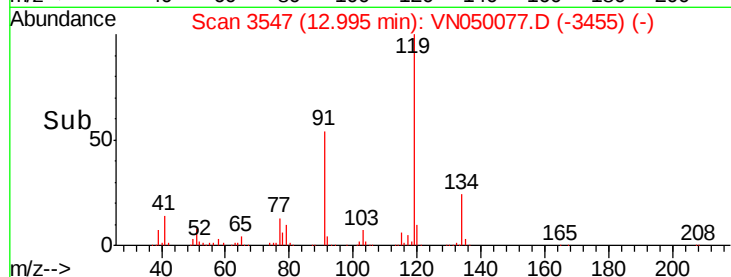
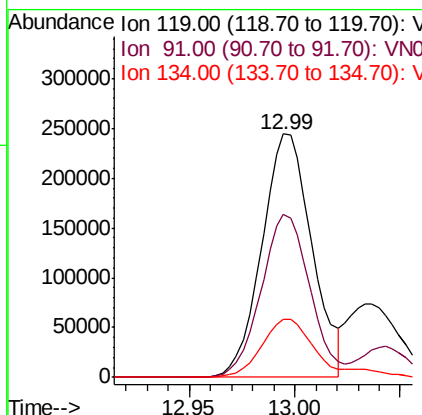
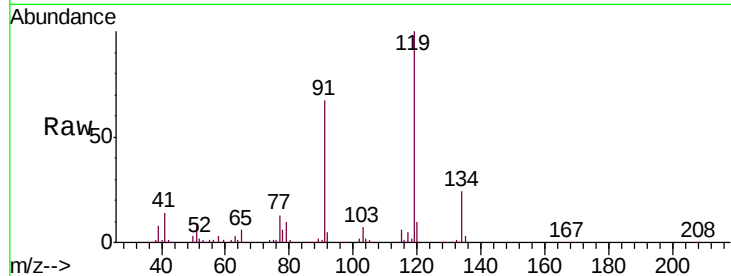




#83
tert-Butylbenzene
Concen: 19.78 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

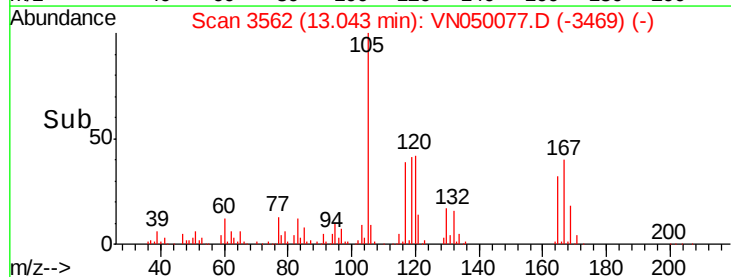
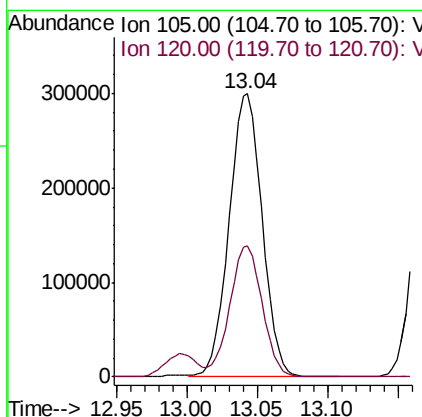
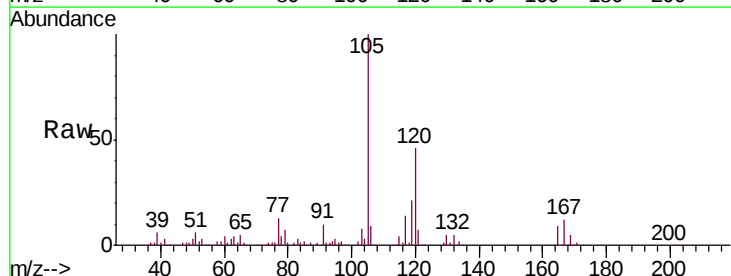
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

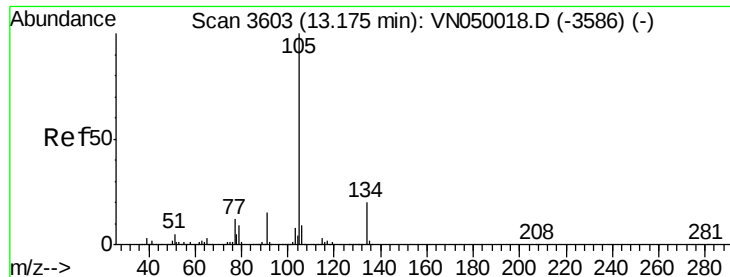
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.1	96.3
134	24.2	13.2	39.5



#84
1,2,4-Trimethylbenzene
Concen: 20.76 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.7





#85

sec-Butylbenzene

Concen: 19.80 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

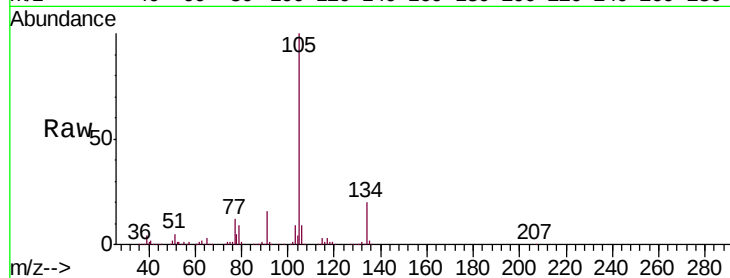
VN0726WBSD01

Tot Ion:105 Resp: 540240

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

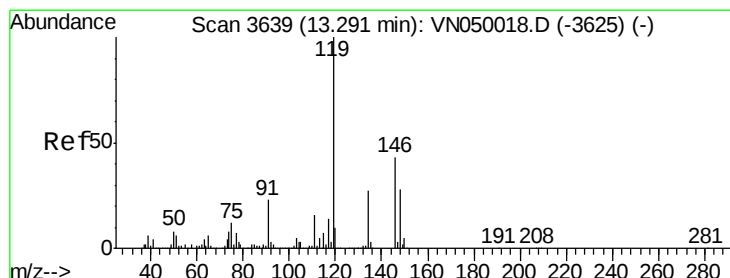
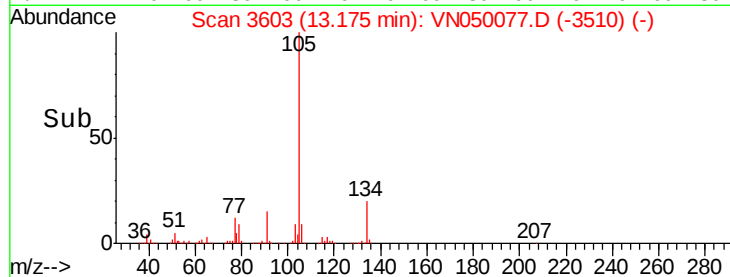
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.85 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

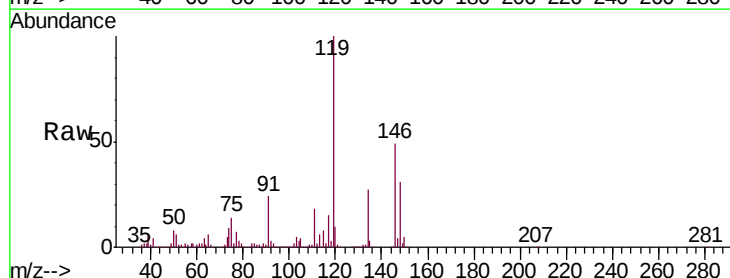
Tgt Ion:119 Resp: 456451

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.8 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

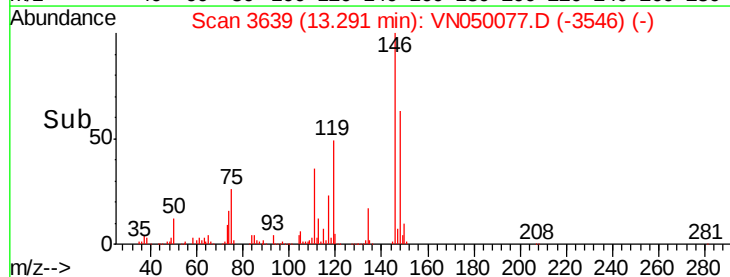
300000

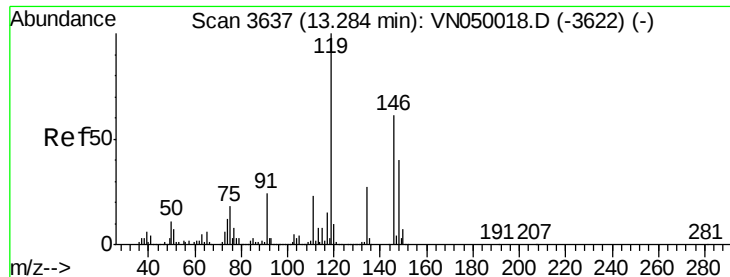
200000

100000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.09 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

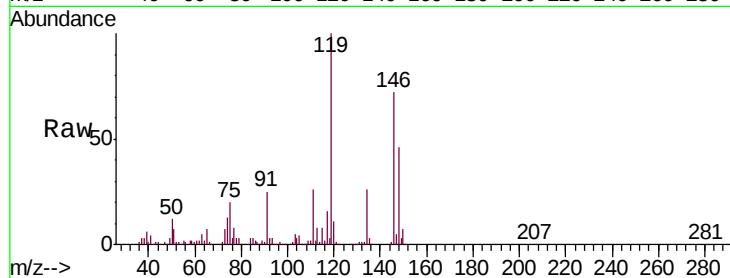
Tot Ion:146 Resp: 266799

Ion Ratio Lower Upper

146 100

111 37.0 18.8 56.4

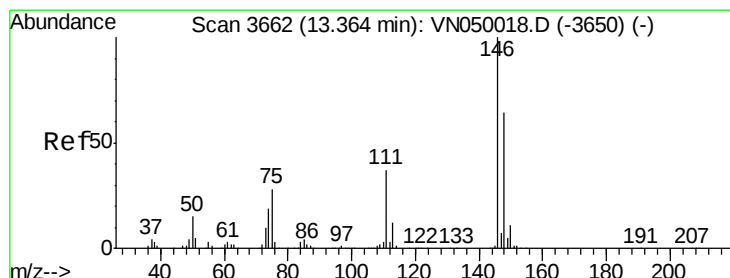
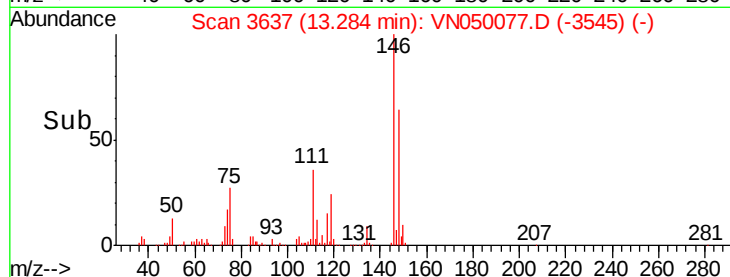
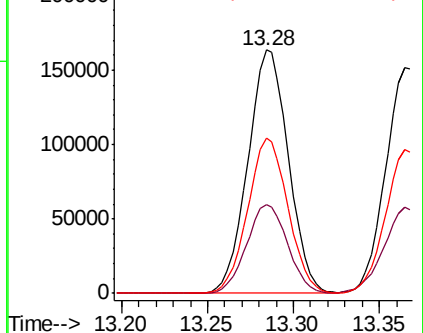
148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.66 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

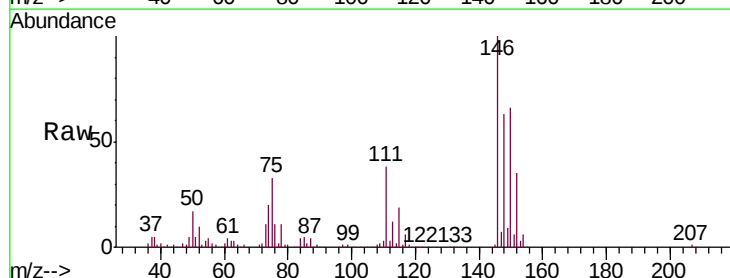
Tgt Ion:146 Resp: 254165

Ion Ratio Lower Upper

146 100

111 38.5 18.3 54.9

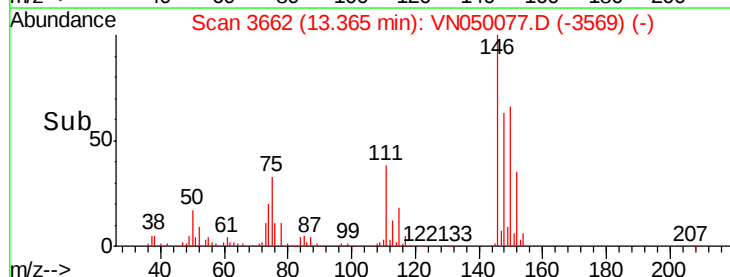
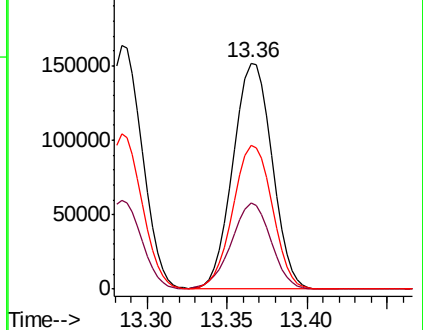
148 64.0 31.9 95.9

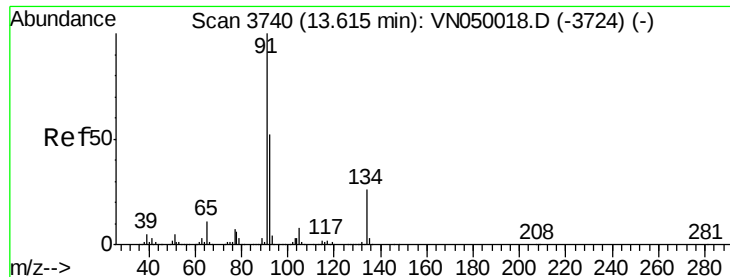


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

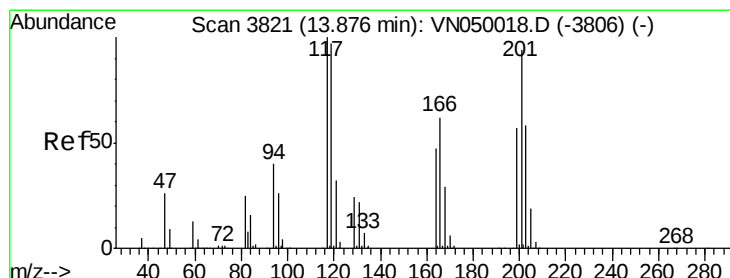
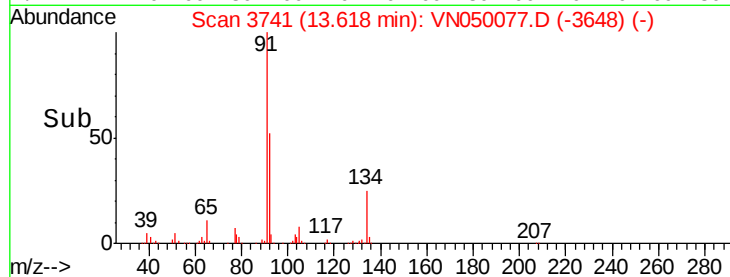
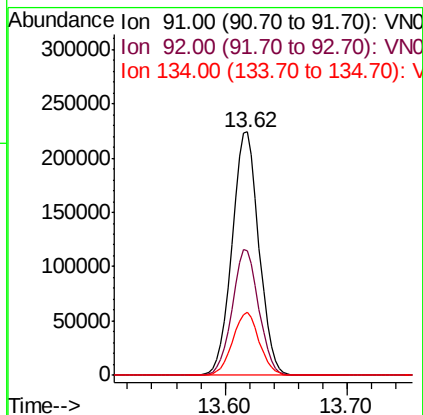
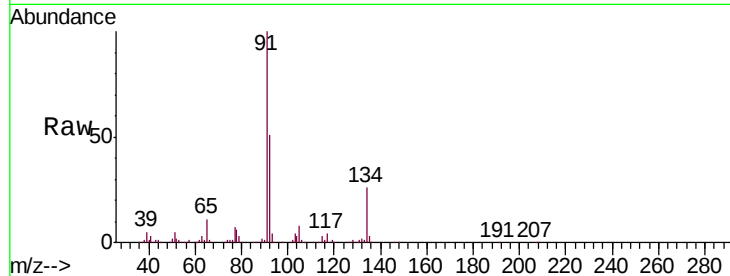




#89
n-Butylbenzene
Concen: 18.17 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

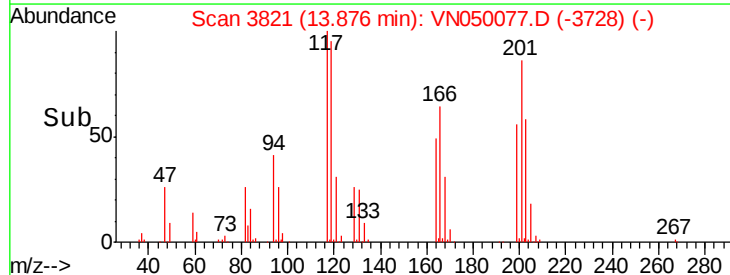
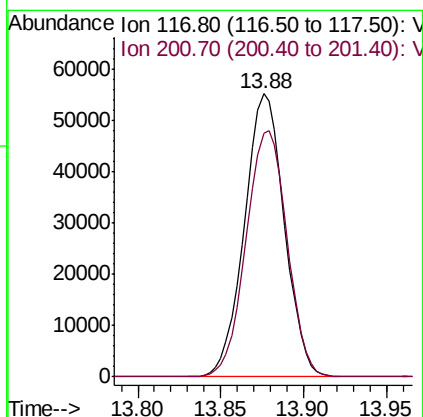
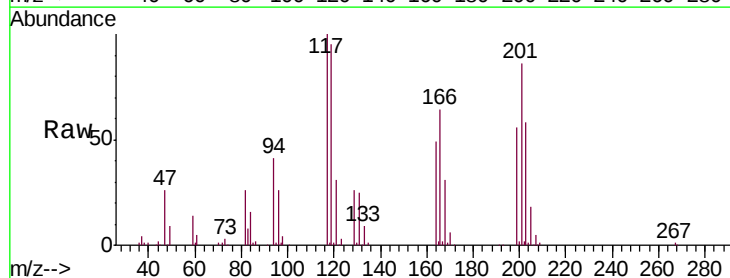
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

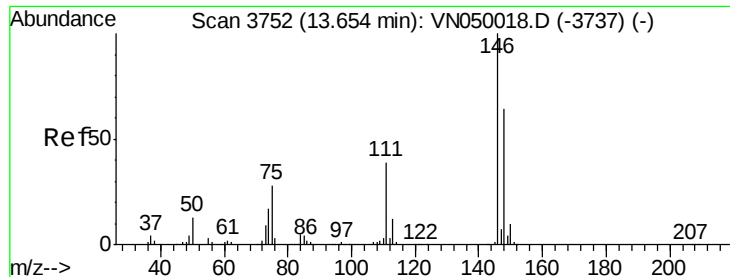
Tot Ion: 91 Resp: 343553
Ion Ratio Lower Upper
91 100
92 51.0 25.8 77.4
134 25.7 12.8 38.4



#90
Hexachloroethane
Concen: 18.10 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 117 Resp: 92413
Ion Ratio Lower Upper
117 100
201 89.4 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.18 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

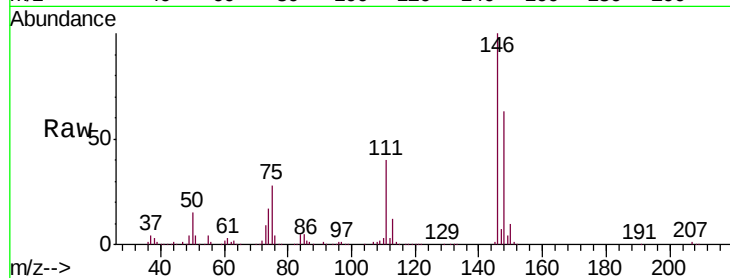
Tot Ion:146 Resp: 267924

Ion Ratio Lower Upper

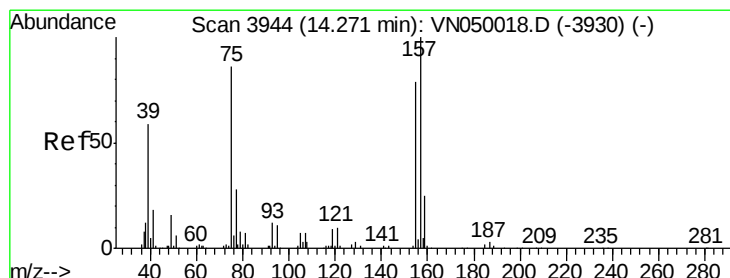
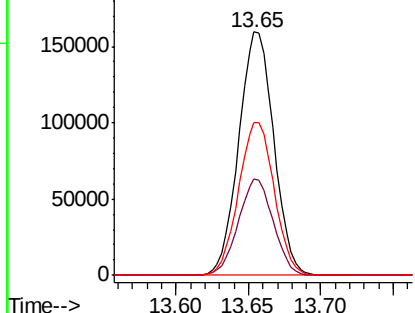
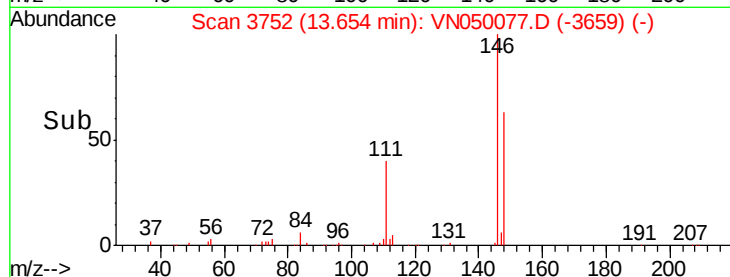
146 100

111 39.3 19.6 58.7

148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.52 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

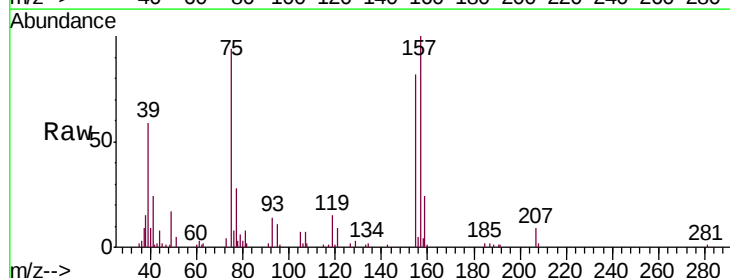
Tgt Ion: 75 Resp: 26526

Ion Ratio Lower Upper

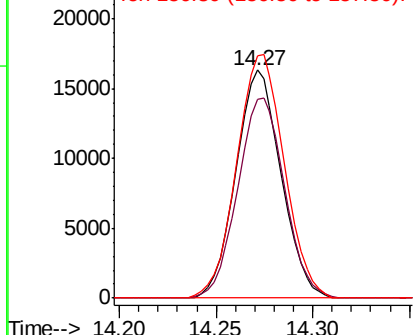
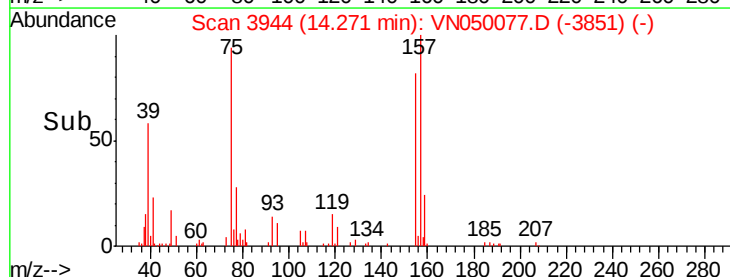
75 100

155 90.9 44.8 134.4

157 112.1 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

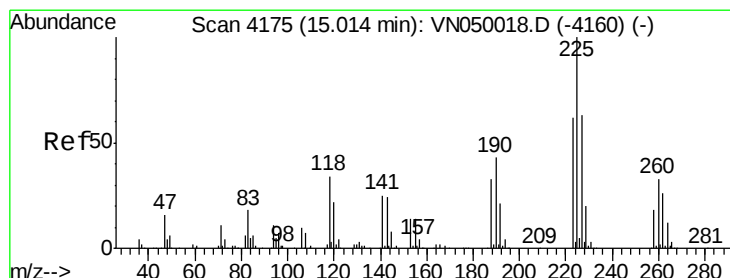
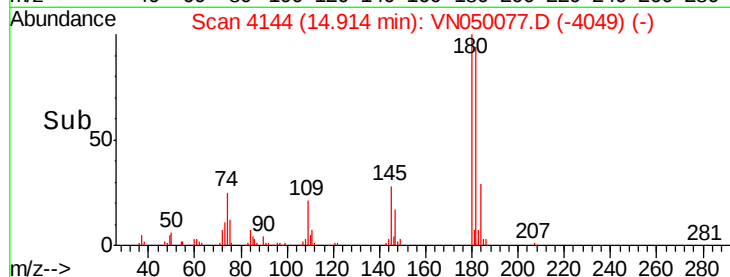
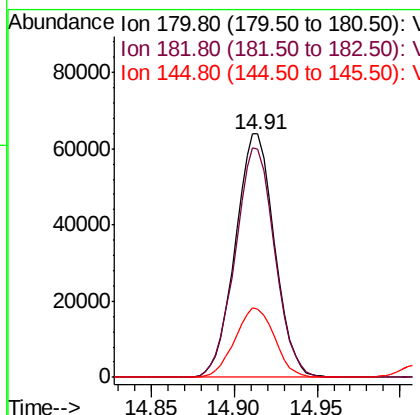
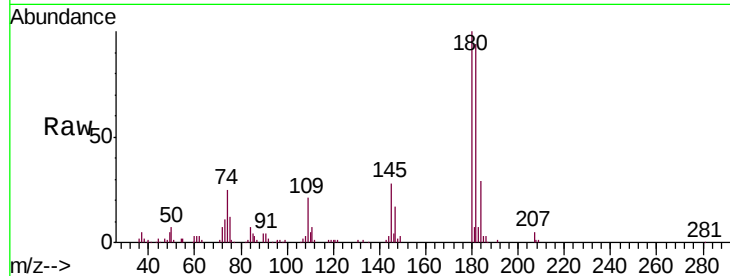




#93
 1,2,4-Trichlorobenzene
 Concen: 16.36 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

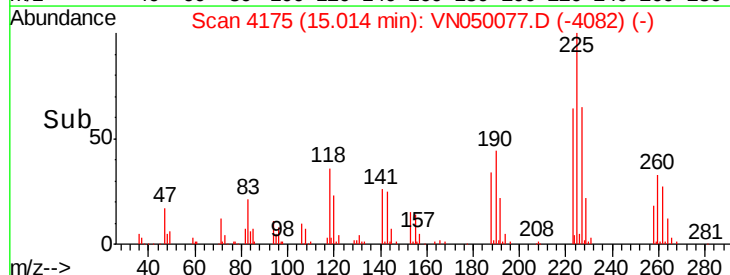
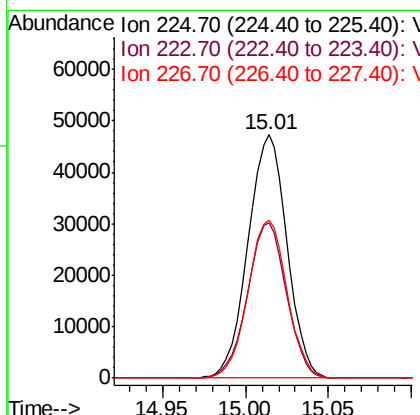
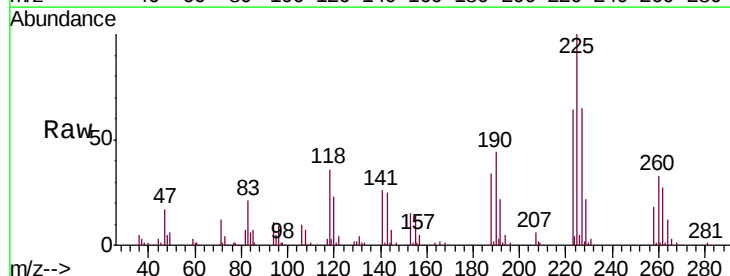
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

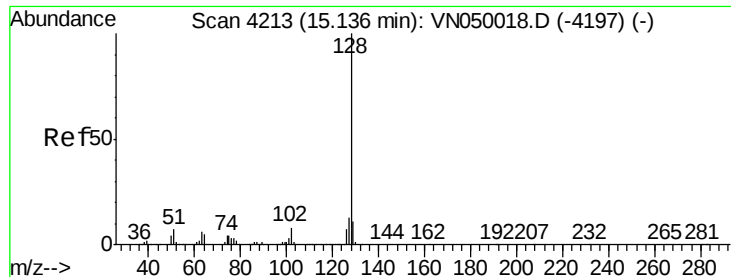
Tot Ion:180 Resp: 104821
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.7 140.1
 145 28.9 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 18.14 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion:225 Resp: 77601
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.4 94.2
 227 64.8 32.1 96.5





#95

Naphthalene

Concen: 15.99 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

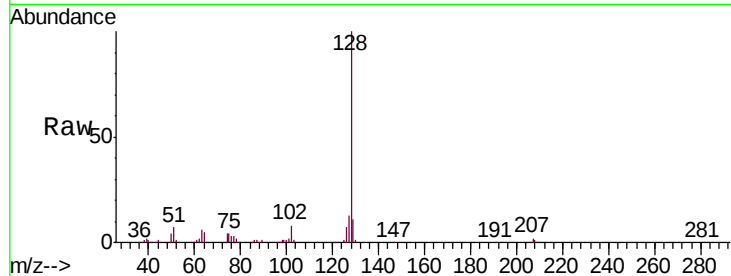
Tot Ion:128 Resp: 222322

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

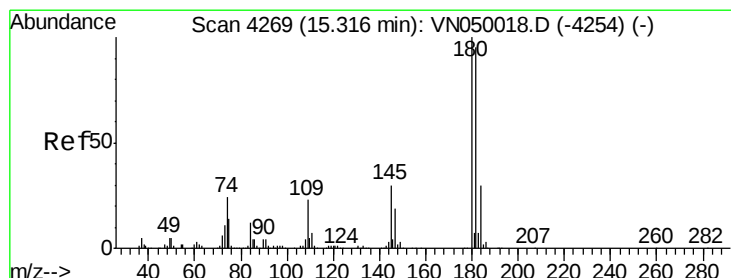
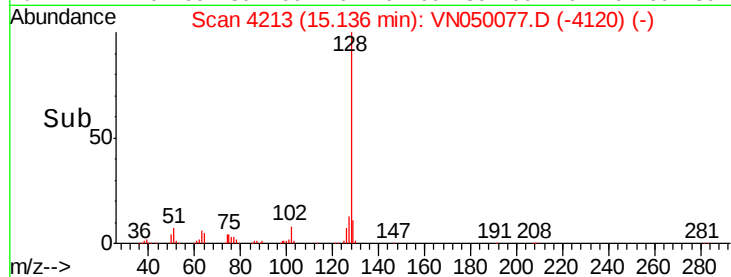
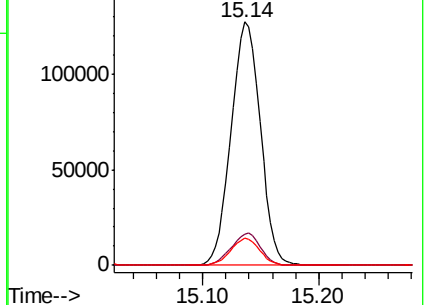
129 11.1 8.8 13.2



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: 17.22 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

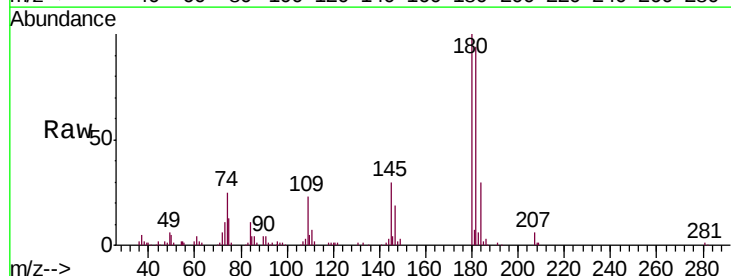
Tgt Ion:180 Resp: 113395

Ion Ratio Lower Upper

180 100

182 95.7 48.1 144.4

145 29.7 15.3 45.9



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

