

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050402.D
 Acq On : 6 Aug 2018 23:44
 Operator : MD\SY
 Sample : VN0806WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Quant Time: Aug 07 07:11:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	610369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	923889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	434226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	423206	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	7.59	113	377824	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	10.09	98	1402923	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	453681	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	134918	19.91	ug/l	99
3) Chloromethane	2.06	50	170632	20.45	ug/l	98
4) Vinyl Chloride	2.18	62	182682	20.83	ug/l	99
5) Bromomethane	2.56	94	94060	22.22	ug/l	95
6) Chloroethane	2.70	64	110553	20.46	ug/l	100
7) Trichlorofluoromethane	3.01	101	235003	20.75	ug/l	100
8) Diethyl Ether	3.41	74	84130	20.25	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	138673	19.81	ug/l	99
10) Methyl Iodide	3.95	142	73929	23.97	ug/l	100
11) Tert butyl alcohol	4.80	59	66780	101.94	ug/l	99
12) 1,1-Dichloroethene	3.73	96	131061	19.86	ug/l	99
13) Acrolein	3.61	56	80286	103.56	ug/l	96
14) Allyl chloride	4.32	41	199426	18.82	ug/l	99
15) Acrylonitrile	5.00	53	285784	104.14	ug/l	99
16) Acetone	3.82	43	267252	109.69	ug/l	97
17) Carbon Disulfide	4.05	76	399113	18.60	ug/l	100
18) Methyl Acetate	4.33	43	139598	21.98	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	381156	20.35	ug/l	98
20) Methylene Chloride	4.55	84	158576	20.40	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	142787	20.00	ug/l	96
22) Diisopropyl ether	5.96	45	454748	21.01	ug/l	96
23) Vinyl Acetate	5.90	43	1607501	104.08	ug/l	100
24) 1,1-Dichloroethane	5.85	63	274042	20.63	ug/l	98
25) 2-Butanone	6.84	43	421790	104.38	ug/l	100
26) 2,2-Dichloropropane	6.83	77	172519	15.75	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	159919	20.21	ug/l	99
28) Bromochloromethane	7.20	49	123456	20.19	ug/l	100
29) Tetrahydrofuran	7.22	42	220484	101.93	ug/l	99
30) Chloroform	7.37	83	280887	21.15	ug/l	99
31) Cyclohexane	7.66	56	226201	18.96	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	237476	20.82	ug/l	100
36) 1,1-Dichloropropene	7.80	75	202758	19.97	ug/l	99
37) Ethyl Acetate	6.94	43	151848	20.77	ug/l	99
38) Carbon Tetrachloride	7.78	117	205213	19.38	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199150	17.97	ug/l	100
40) Benzene	8.04	78	630567	20.20	ug/l	99
41) Methacrylonitrile	7.18	41	73049	18.79	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	201796	20.37	ug/l	99
43) Isopropyl Acetate	8.17	43	273080	21.64	ug/l	98
44) Trichloroethene	8.84	130	163092	19.45	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165829	20.21	ug/l	98
46) Dibromomethane	9.21	93	103839	20.49	ug/l	99
47) Bromodichloromethane	9.41	83	210131	20.02	ug/l	98
48) Methyl methacrylate	9.20	41	124583	19.70	ug/l	99
49) 1,4-Dioxane	9.20	88	38376	393.62	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	952917	104.85	ug/l	100
52) Toluene	10.16	92	389733	20.79	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	197240	18.72	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	230651	19.61	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	150264	20.53	ug/l	98
56) Ethyl methacrylate	10.43	69	185284	18.99	ug/l	98
57) 1,3-Dichloropropane	10.71	76	243260	20.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	439337	95.71	ug/l	100
59) 2-Hexanone	10.76	43	651203	102.67	ug/l	99
60) Dibromochloromethane	10.90	129	164395	20.39	ug/l	100
61) 1,2-Dibromoethane	11.01	107	144895	20.09	ug/l	97
64) Tetrachloroethene	10.63	164	158851	20.31	ug/l	98
65) Chlorobenzene	11.44	112	408551	19.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156149	20.44	ug/l	99
67) Ethyl Benzene	11.51	91	677832	19.98	ug/l	100
68) m/p-Xylenes	11.62	106	533460	41.31	ug/l	99
69) o-Xylene	11.95	106	246793	19.84	ug/l	99
70) Styrene	11.97	104	410760	20.30	ug/l	100
71) Bromoform	12.13	173	115105	20.62	ug/l #	100
73) Isopropylbenzene	12.25	105	657794	20.18	ug/l	100
74) N-amyl acetate	12.07	43	212291	20.09	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	195609	20.80	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	227723	28.97	ug/l #	100
77) Bromobenzene	12.53	156	177835	20.37	ug/l	99
78) n-propylbenzene	12.59	91	756727	20.51	ug/l	99
79) 2-Chlorotoluene	12.68	91	462291	20.29	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	549687	20.77	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45324	20.26	ug/l	98
82) 4-Chlorotoluene	12.78	91	465477	20.48	ug/l	99
83) tert-Butylbenzene	13.00	119	458236	19.85	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	558536	20.84	ug/l	100
85) sec-Butylbenzene	13.17	105	622919	20.25	ug/l	100
86) p-Isopropyltoluene	13.29	119	528889	20.06	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	305257	19.63	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	299224	19.27	ug/l	99
89) n-Butylbenzene	13.62	91	408076	18.18	ug/l	99
90) Hexachloroethane	13.88	117	93257	19.89	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	305267	19.58	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29767	18.64	ug/l	97

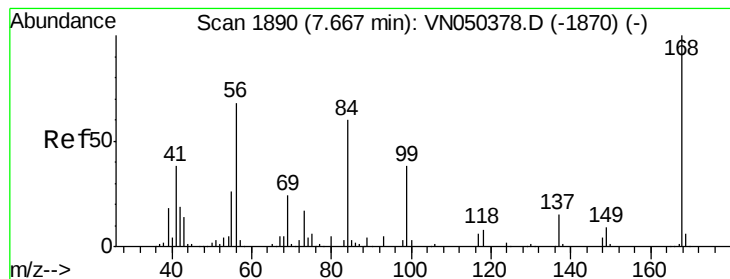
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Quant Time: Aug 07 07:11:38 2018
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146469	18.44	ug/l	98
94) Hexachlorobutadiene	15.01	225	88014	19.28	ug/l	99
95) Naphthalene	15.14	128	333589	18.34	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	146646	18.27	ug/l	100

(#) = 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: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

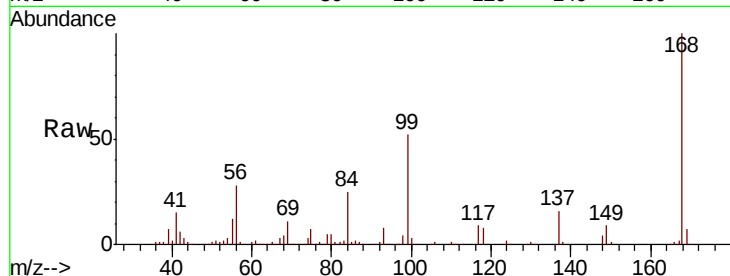
VN0806WBS02

Tot Ion:168 Resp: 610369

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

100000

50000

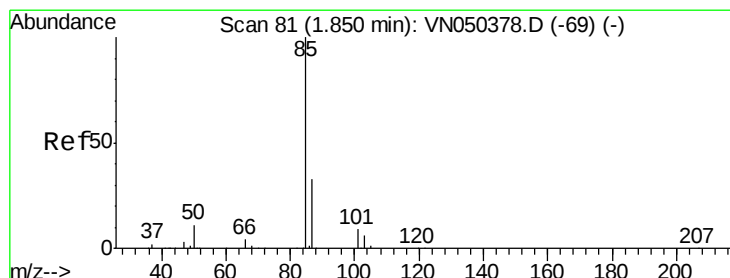
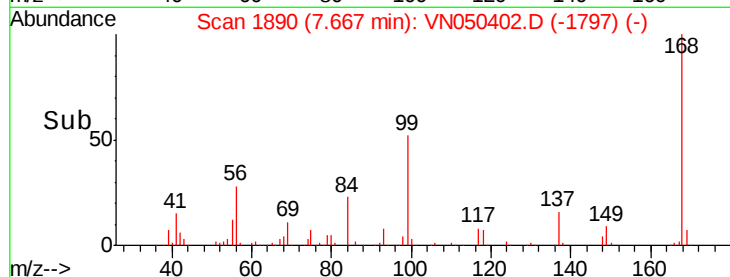
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.91 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050402.D

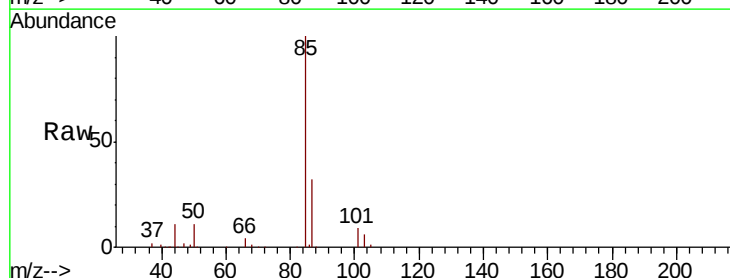
Acq: 6 Aug 2018 23:44

Tgt Ion: 85 Resp: 134918

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

40000

20000

0

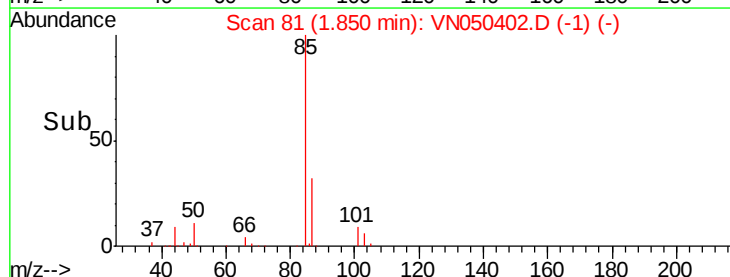
1.80

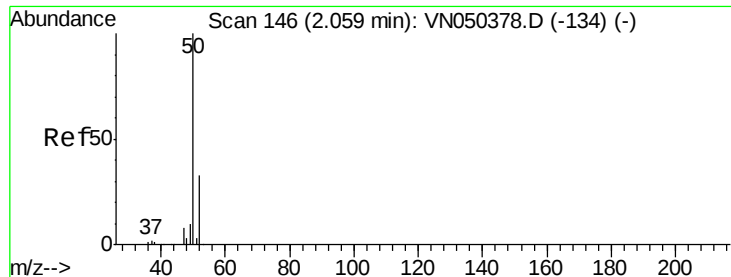
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 20.45 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

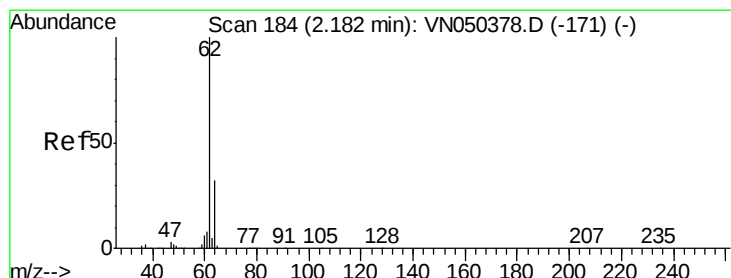
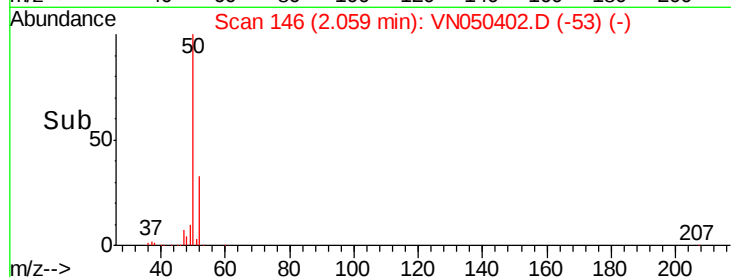
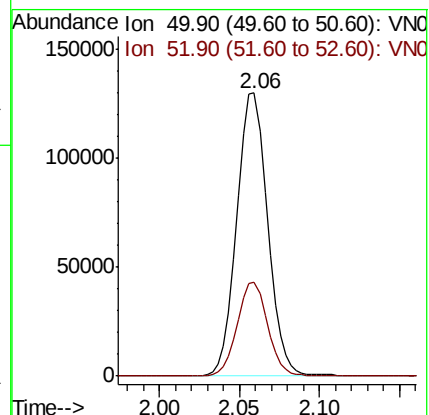
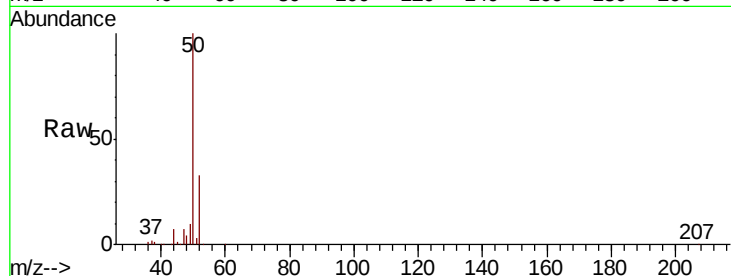
VN0806WBS02

Tot Ion: 50 Resp: 170632

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9



#4

Vinyl Chloride

Concen: 20.83 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050402.D

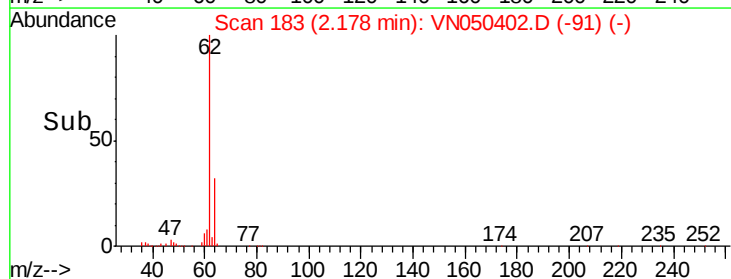
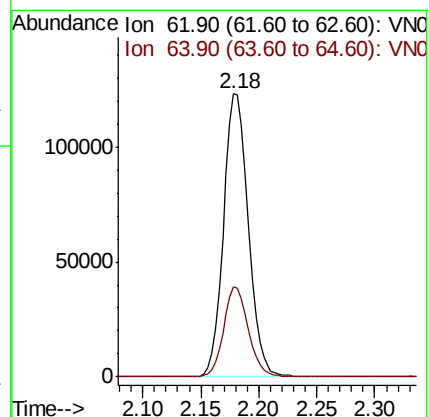
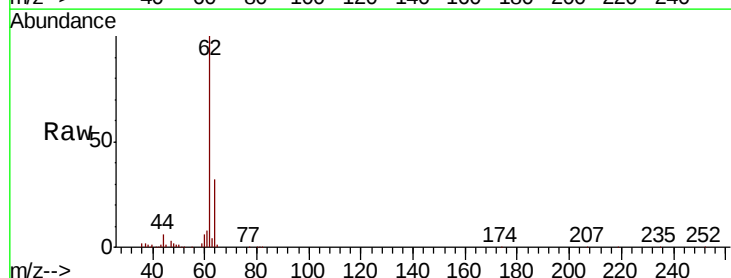
Acq: 6 Aug 2018 23:44

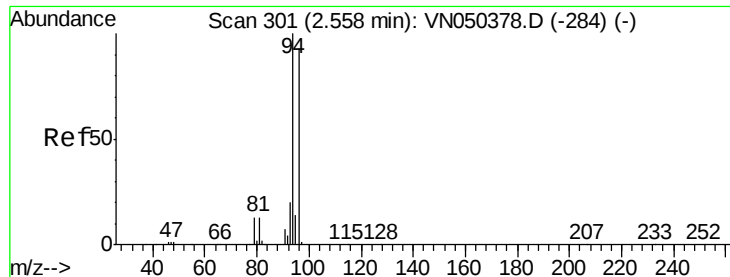
Tgt Ion: 62 Resp: 182682

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 22.22 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampled :

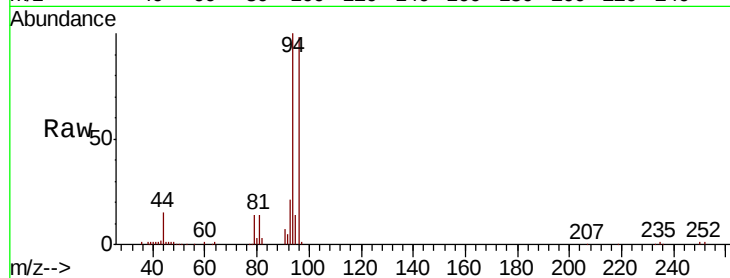
VN0806WBS02

Tot Ion: 94 Resp: 94060

Ion Ratio Lower Upper

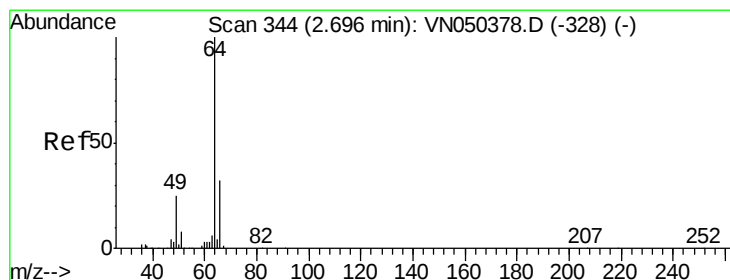
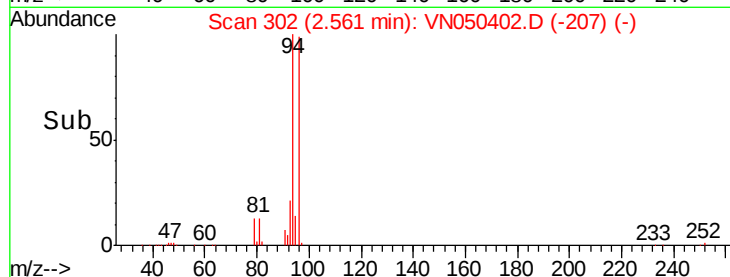
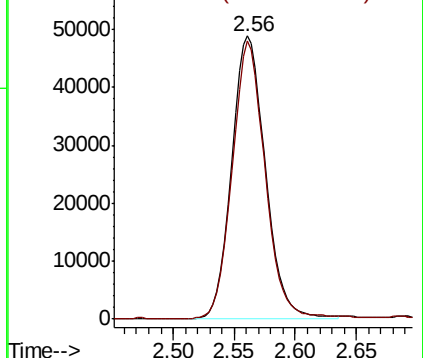
94 100

96 98.1 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: 20.46 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050402.D

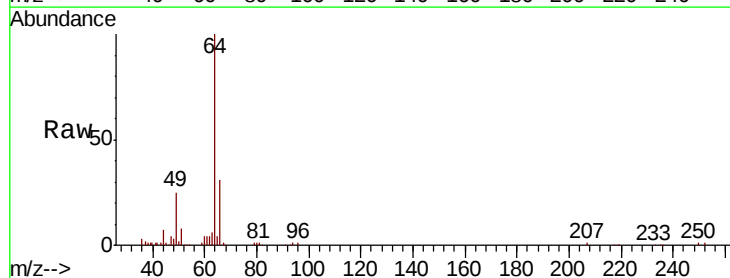
Acq: 6 Aug 2018 23:44

Tgt Ion: 64 Resp: 110553

Ion Ratio Lower Upper

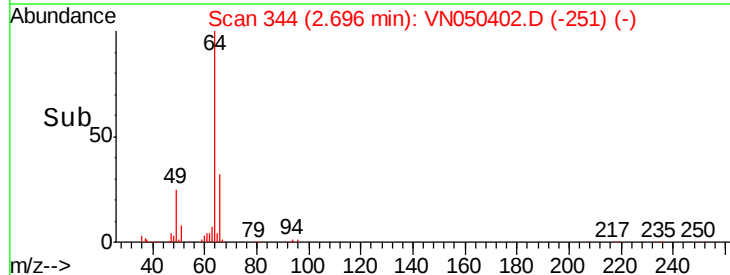
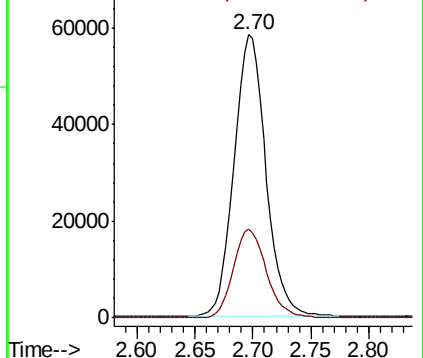
64 100

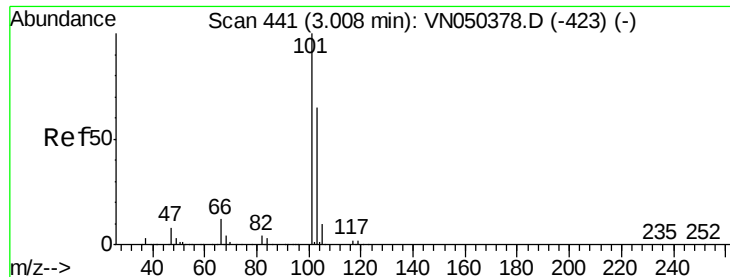
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



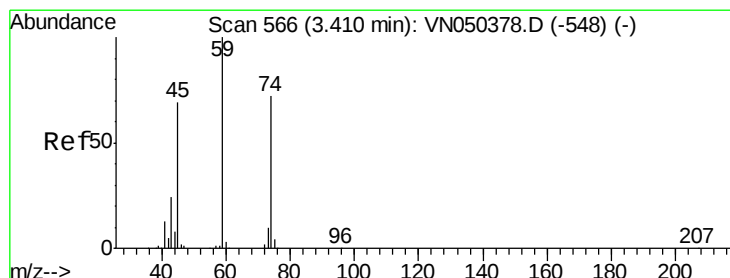
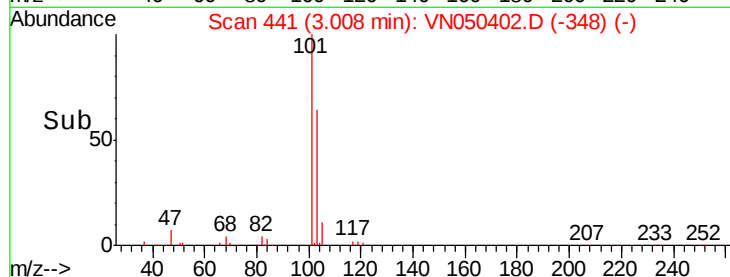
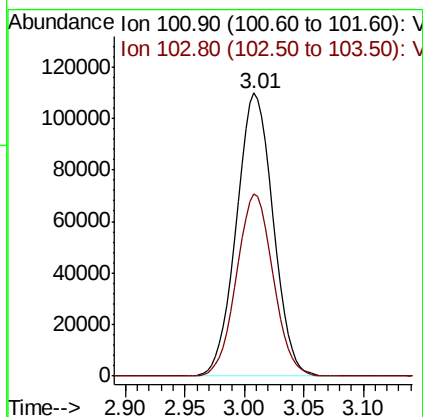
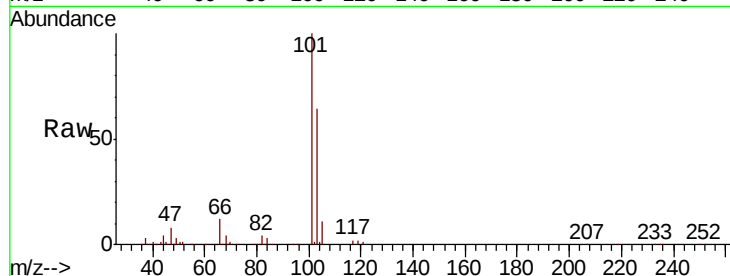


#7

Trichlorofluoromethane
 Concen: 20.75 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
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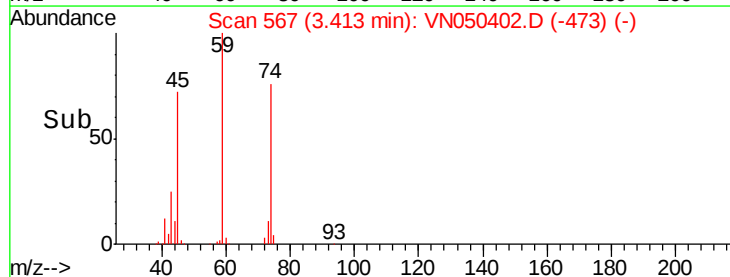
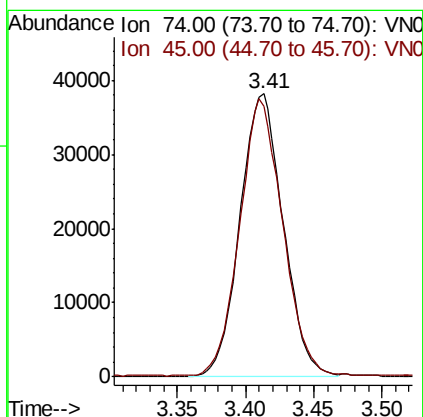
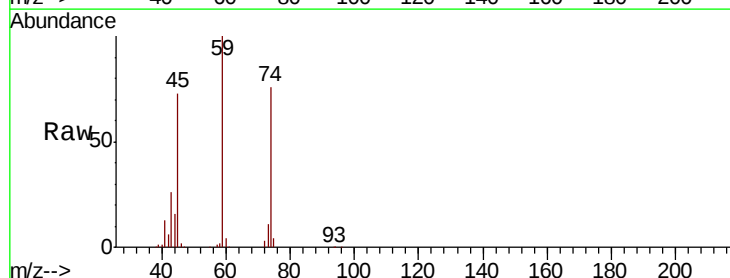
Tot Ion:101 Resp: 235003
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.7 77.5

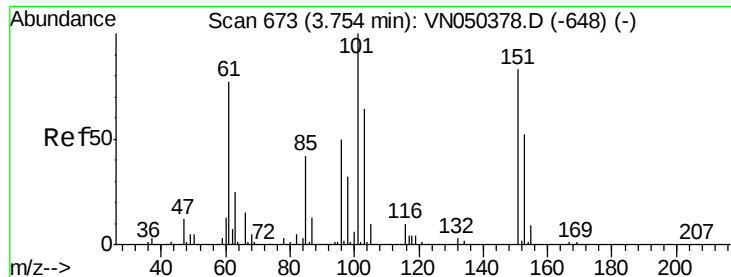


#8

Diethyl Ether
 Concen: 20.25 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 74 Resp: 84130
 Ion Ratio Lower Upper
 74 100
 45 97.3 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.81 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

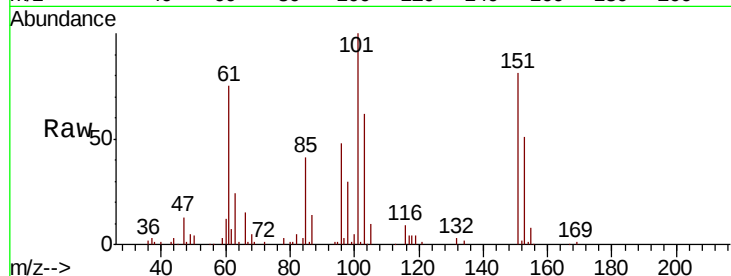
Tot Ion:101 Resp: 138673

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

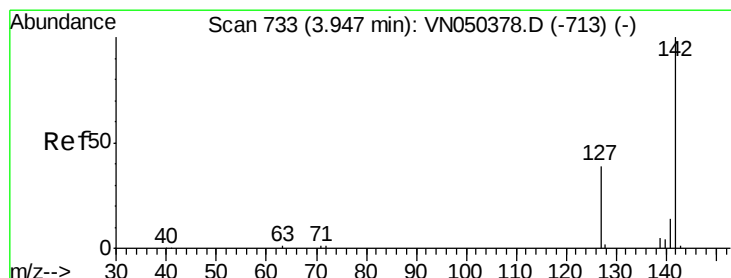
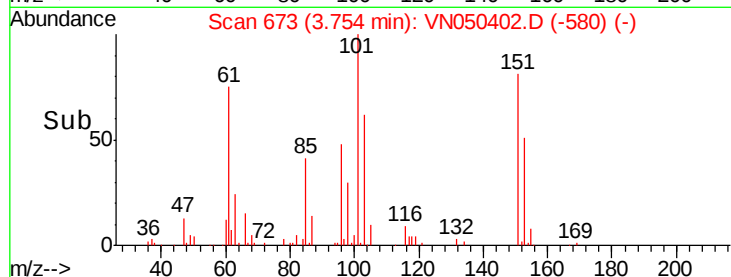
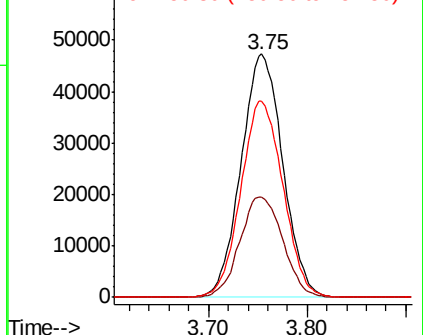
151 81.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.97 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

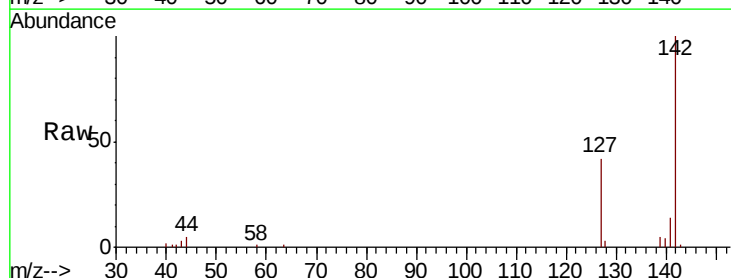
Tgt Ion:142 Resp: 73929

Ion Ratio Lower Upper

142 100

127 41.5 33.4 50.2

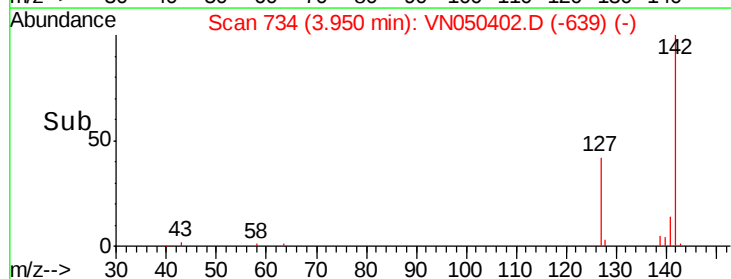
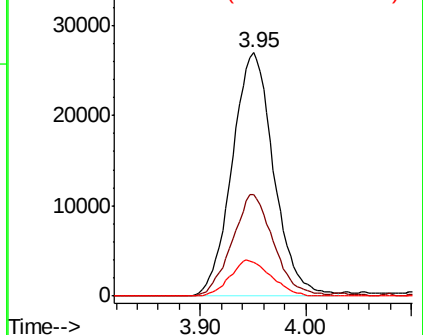
141 14.5 11.6 17.4

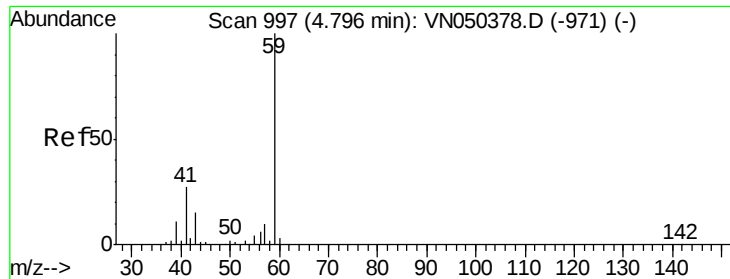


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

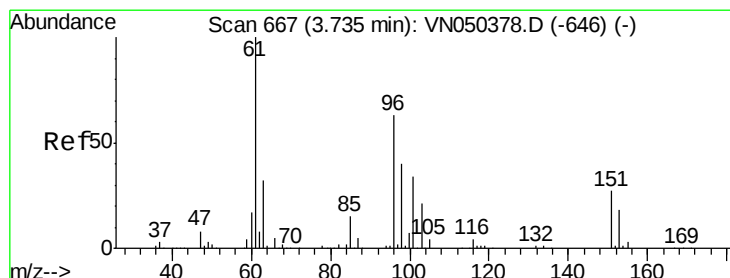
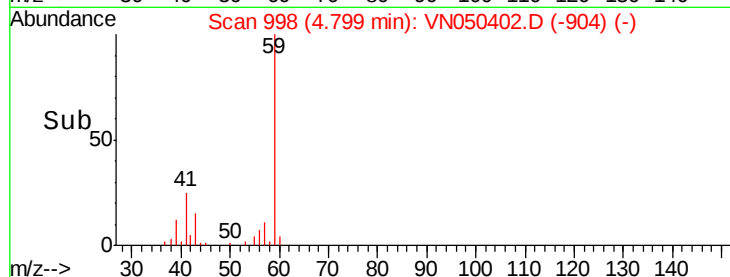
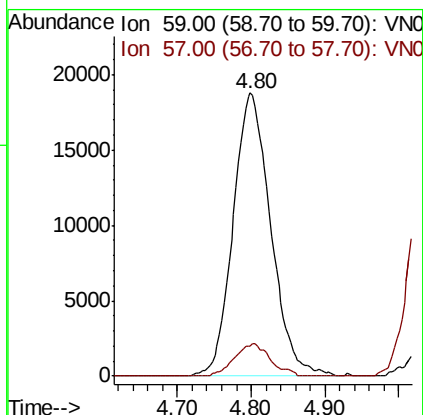
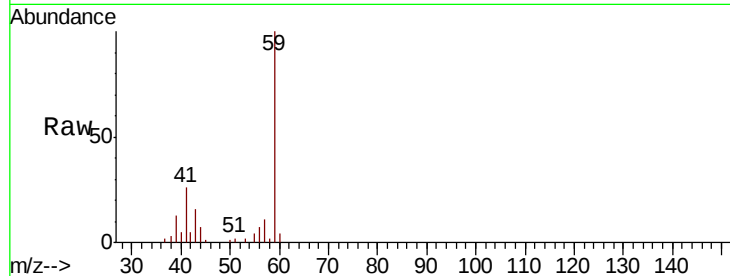




#11
Tert butyl alcohol
Concen: 101.94 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

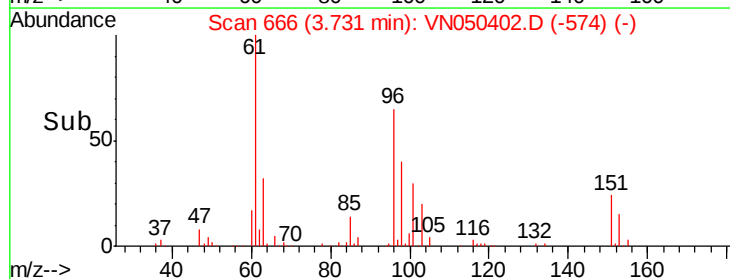
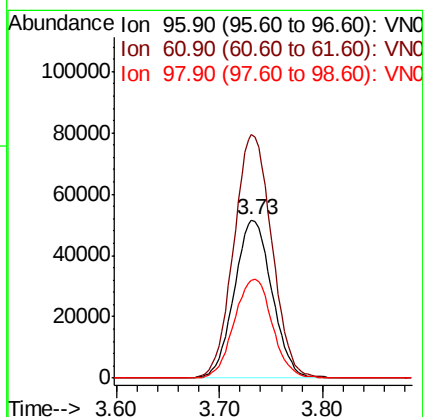
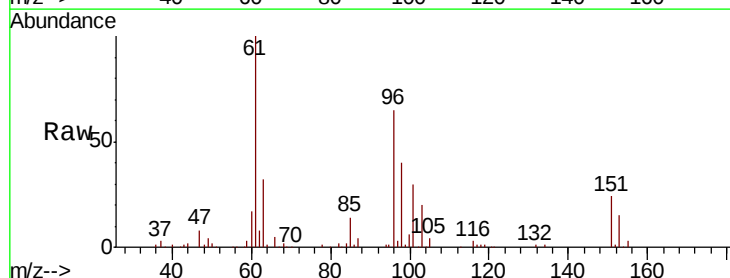
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

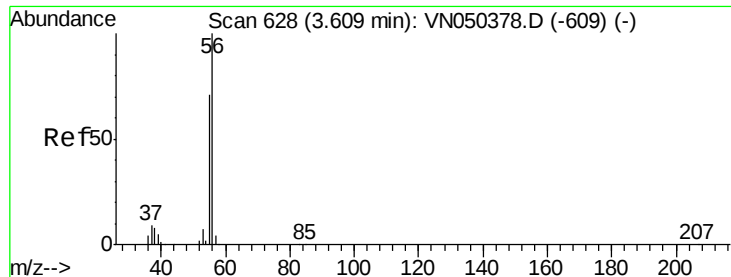
Tot Ion: 59 Resp: 66780
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.86 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 96 Resp: 131061
Ion Ratio Lower Upper
96 100
61 154.1 124.4 186.6
98 62.1 48.3 72.5





#13

Acrolein

Concen: 103.56 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

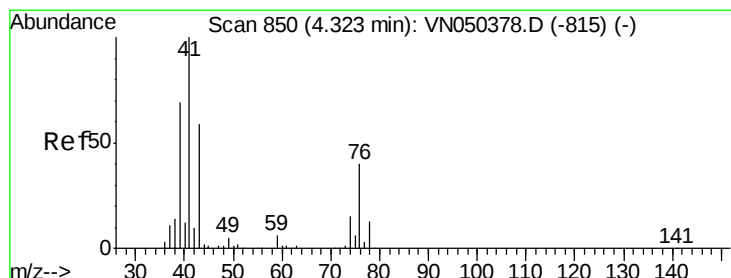
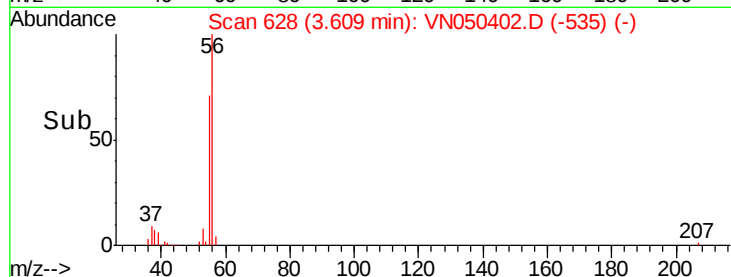
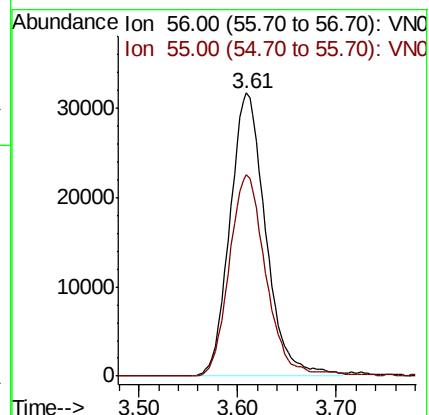
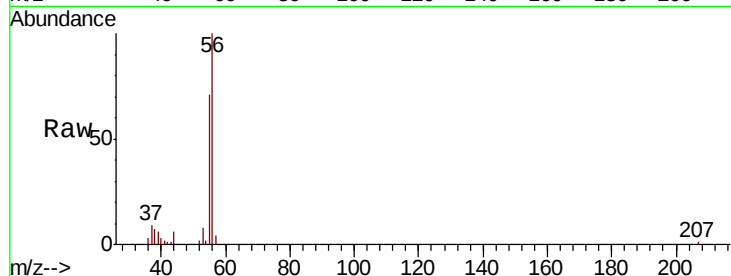
VN0806WBS02

Tot Ion: 56 Resp: 80286

Ion Ratio Lower Upper

56 100

55 72.9 55.8 83.6



#14

Allyl chloride

Concen: 18.82 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

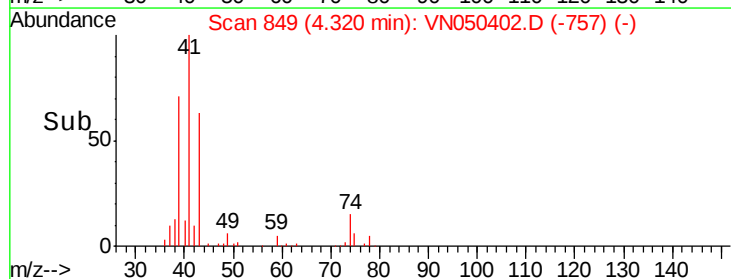
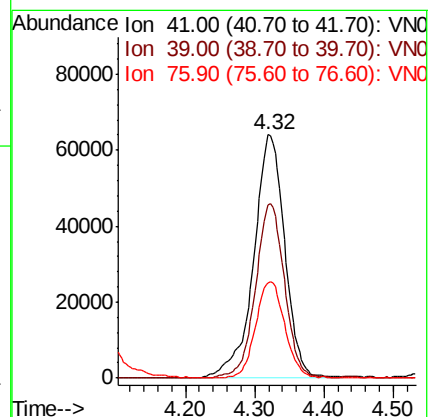
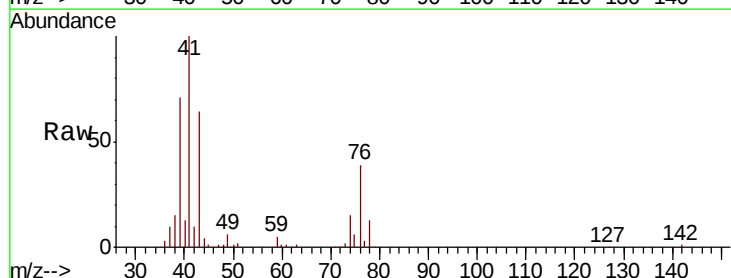
Tgt Ion: 41 Resp: 199426

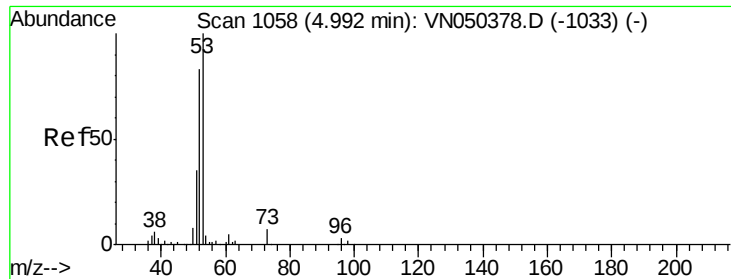
Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

76 37.1 29.0 43.6





#15

Acrylonitrile

Concen: 104.14 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

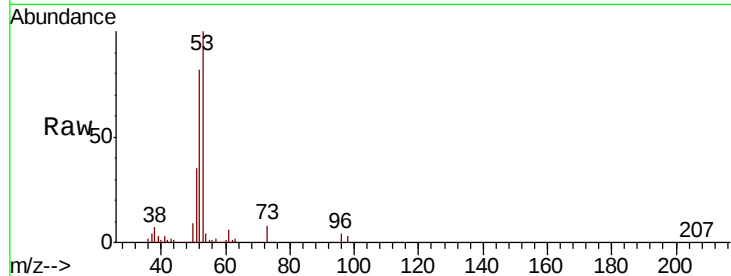
Tot Ion: 53 Resp: 285784

Ion Ratio Lower Upper

53 100

52 81.4 66.2 99.2

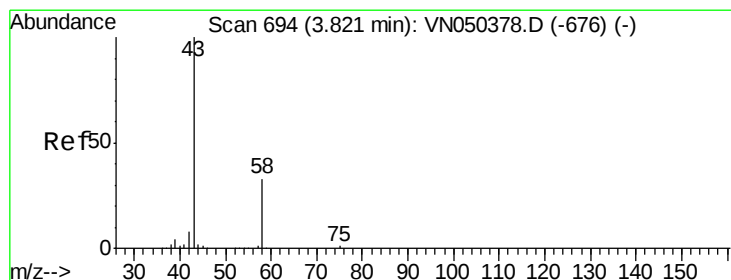
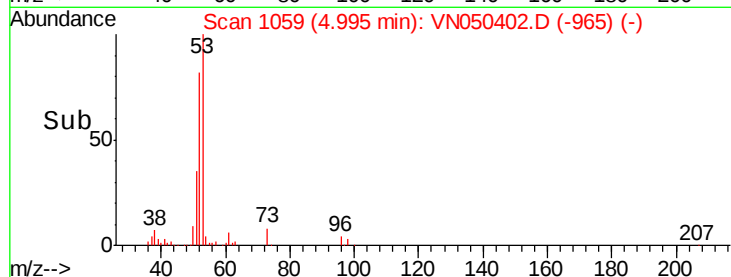
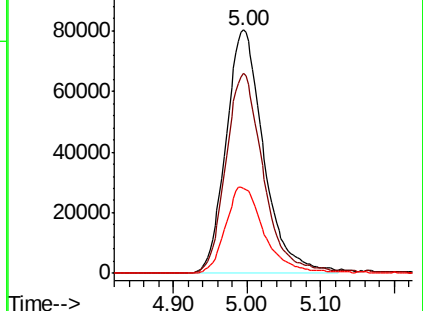
51 35.7 29.3 43.9



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: 109.69 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050402.D

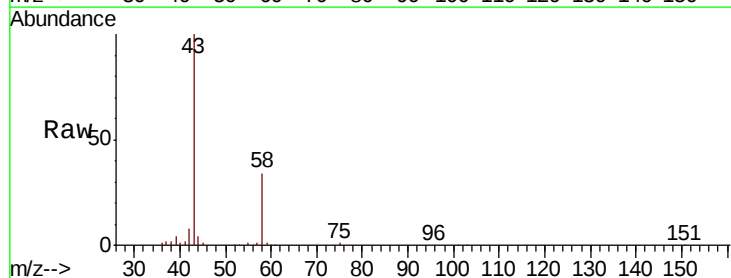
Acq: 6 Aug 2018 23:44

Tgt Ion: 43 Resp: 267252

Ion Ratio Lower Upper

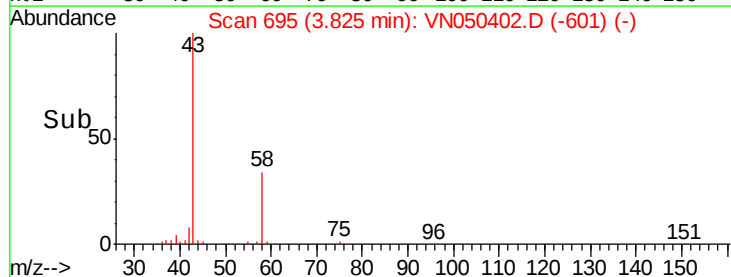
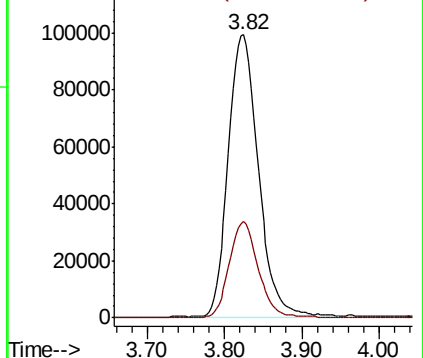
43 100

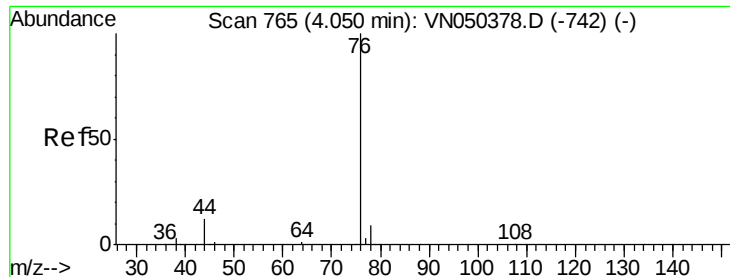
58 34.2 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

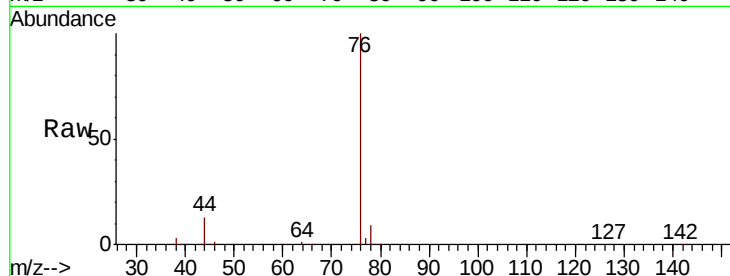




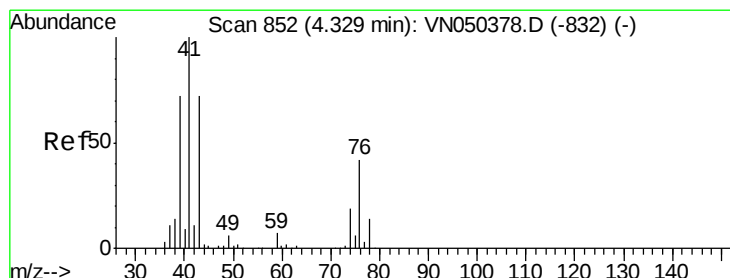
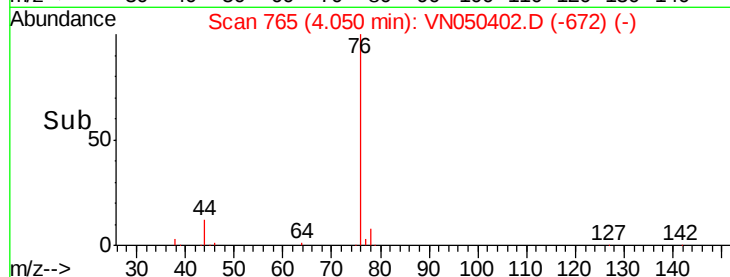
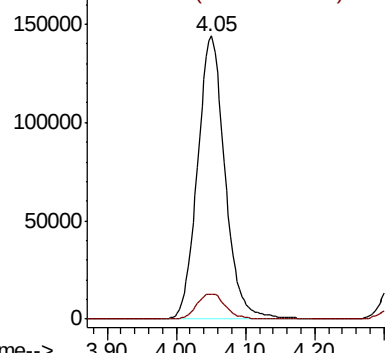
#17
Carbon Disulfide
Concen: 18.60 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 76 Resp: 399113
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

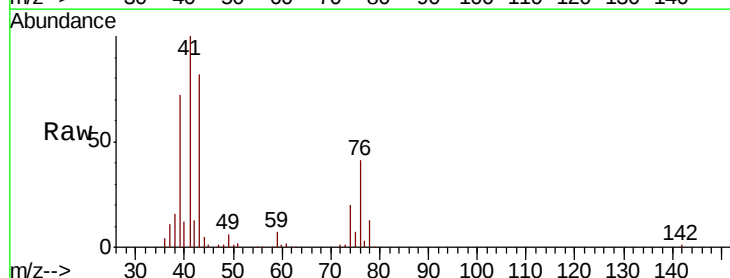


Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

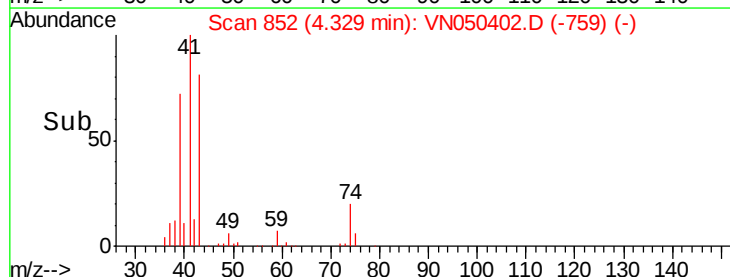
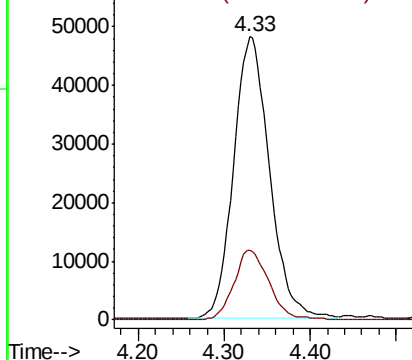


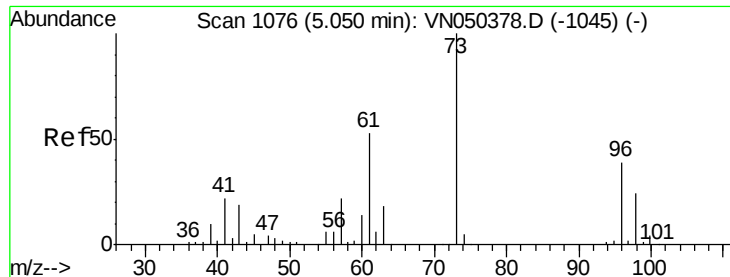
#18
Methyl Acetate
Concen: 21.98 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 43 Resp: 139598
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0



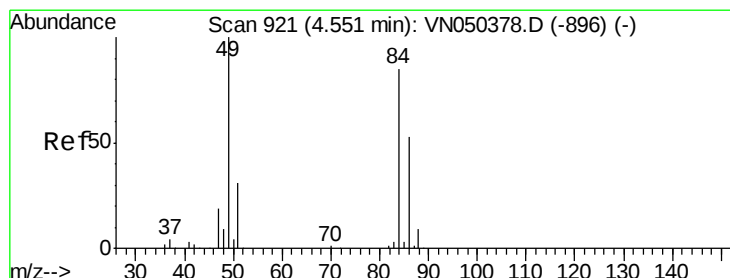
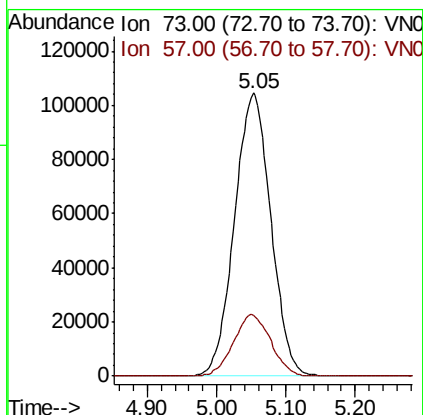
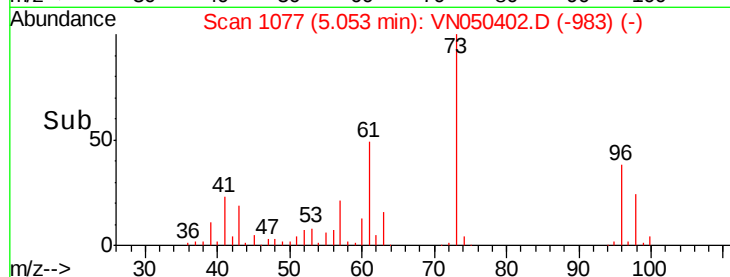
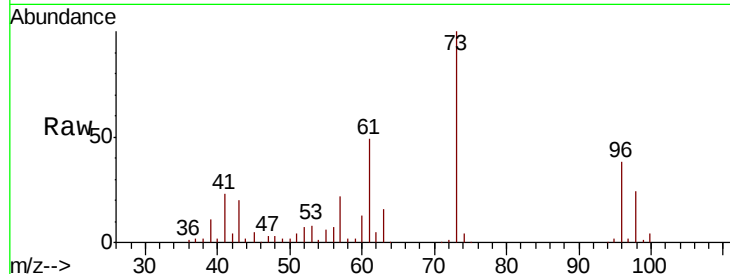


#19

Methyl tert-butyl Ether
 Concen: 20.35 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

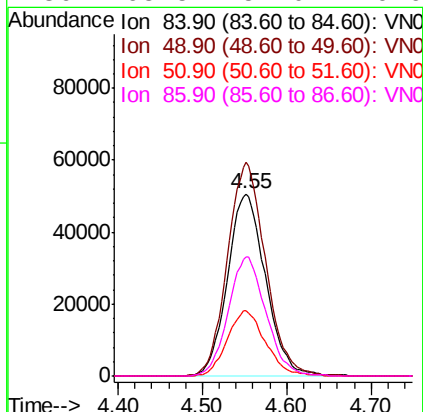
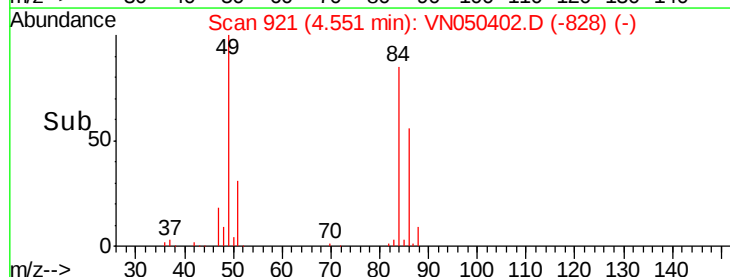
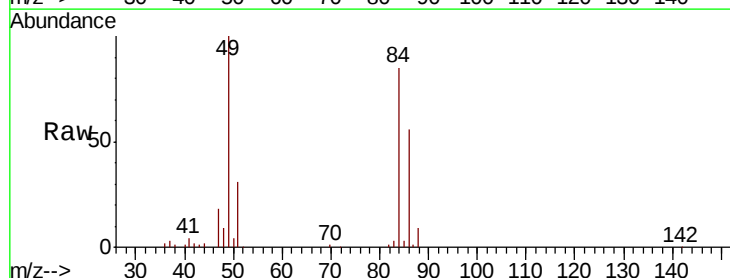
Tot Ion: 73 Resp: 381156
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.0 27.0

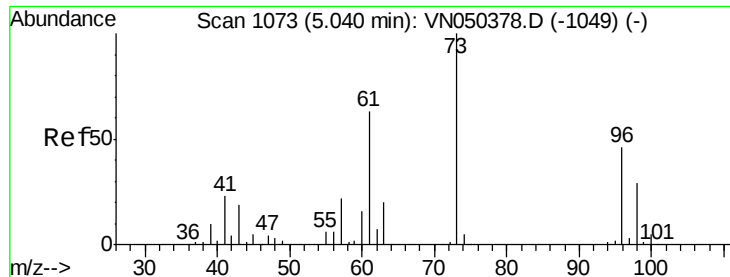


#20

Methylene Chloride
 Concen: 20.40 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 84 Resp: 158576
 Ion Ratio Lower Upper
 84 100
 49 116.8 94.8 142.2
 51 35.9 28.3 42.5
 86 65.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

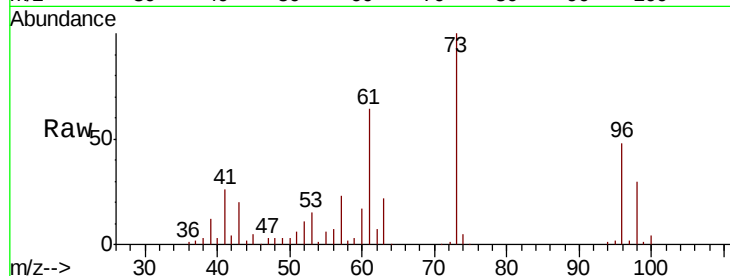
Tot Ion: 96 Resp: 142787

Ion Ratio Lower Upper

96 100

61 133.5 110.7 166.1

98 62.3 51.6 77.4

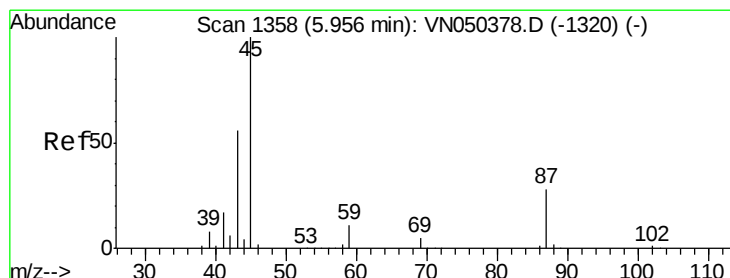
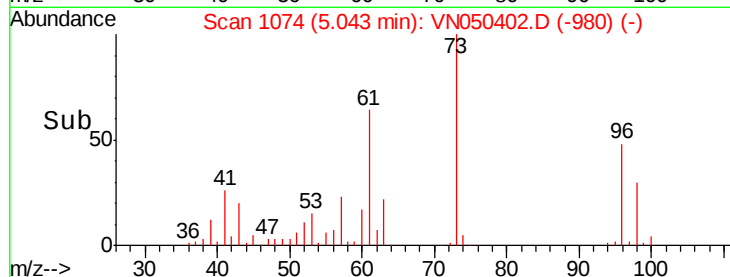
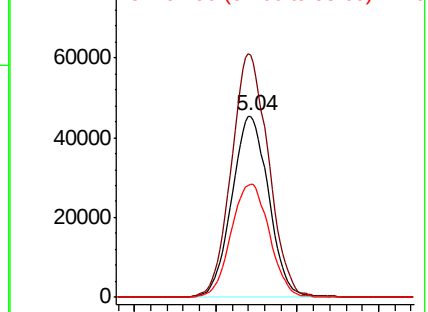


Abundance

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



#22

Diisopropyl ether

Concen: 21.01 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion: 45 Resp: 454748

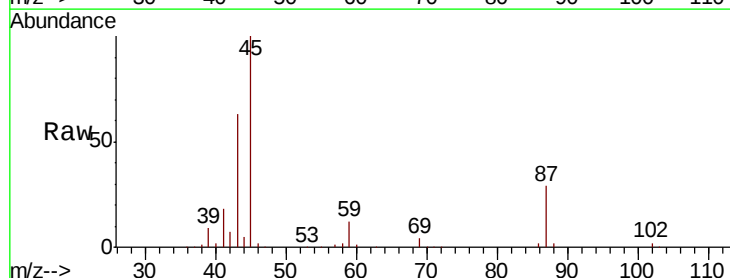
Ion Ratio Lower Upper

45 100

43 61.8 45.7 68.5

87 29.3 22.7 34.1

59 11.9 9.5 14.3



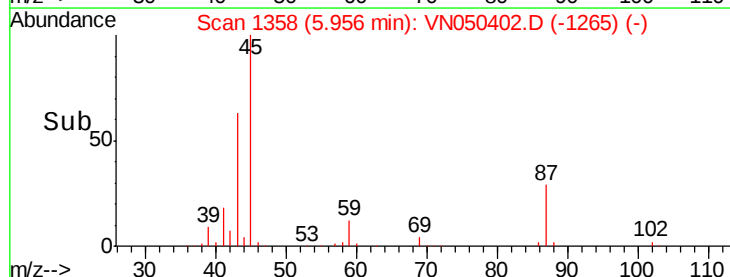
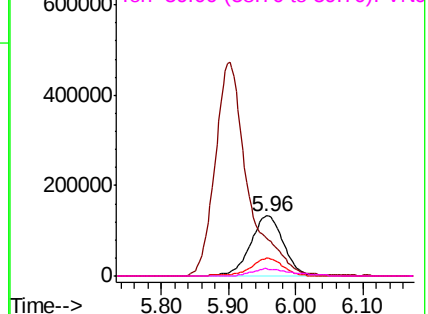
Abundance

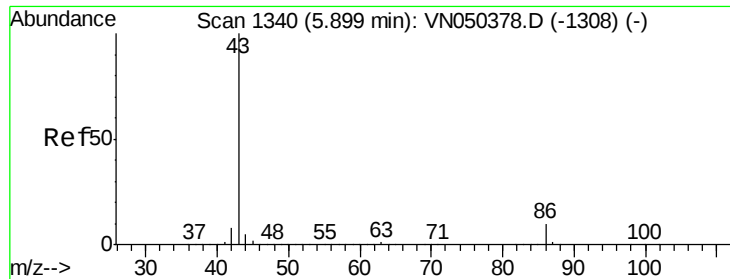
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

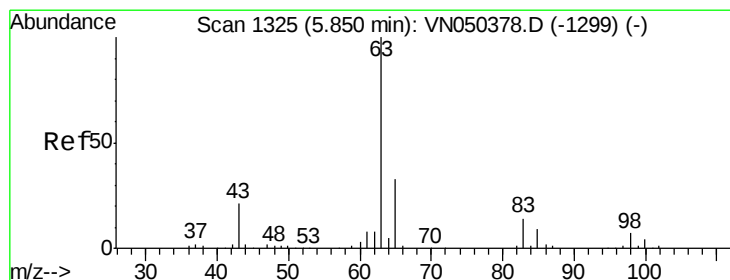
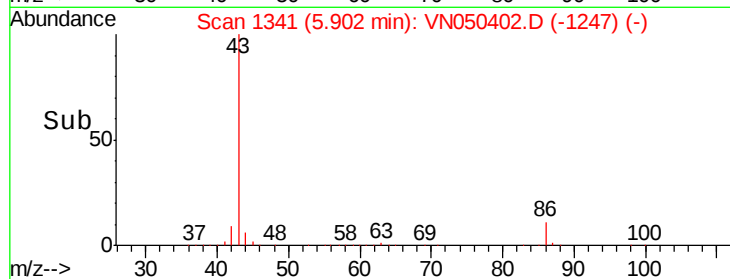
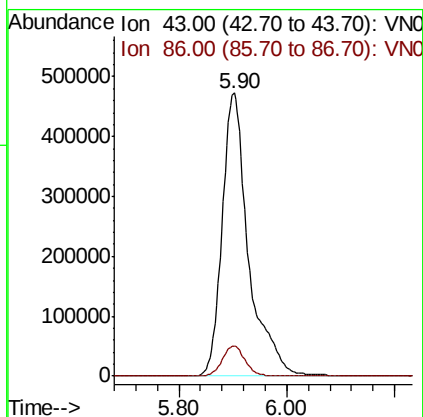
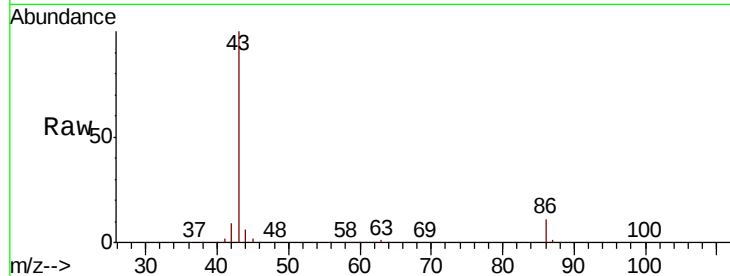




#23
 Vinyl Acetate
 Concen: 104.08 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

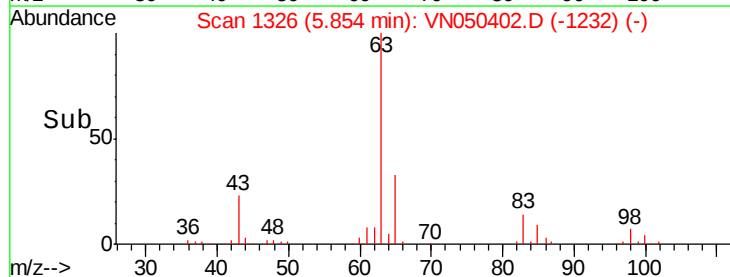
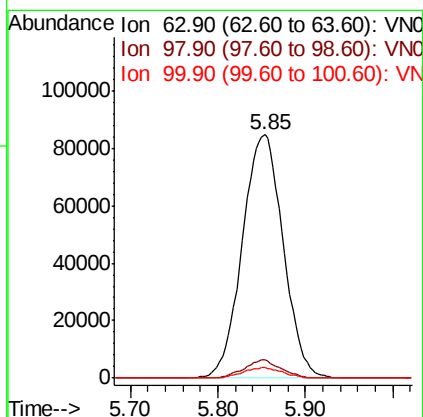
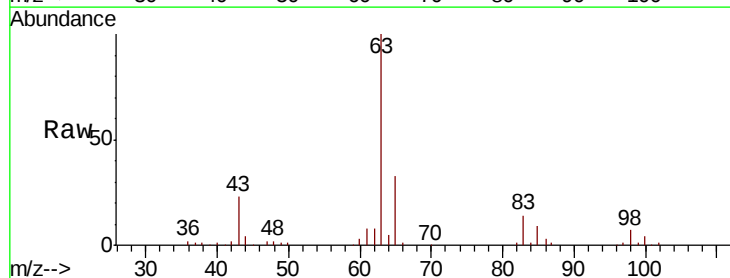
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

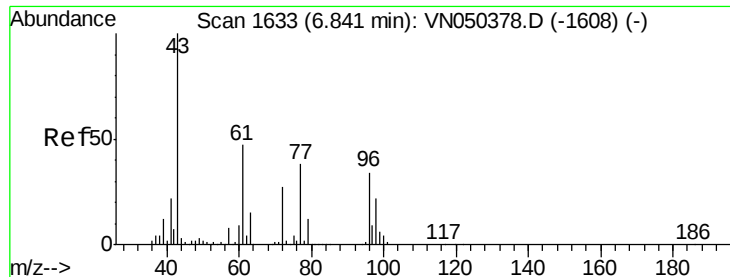
Tot Ion: 43 Resp: 1607501
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.63 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 63 Resp: 274042
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.3 9.8
 100 4.1 2.1 6.3

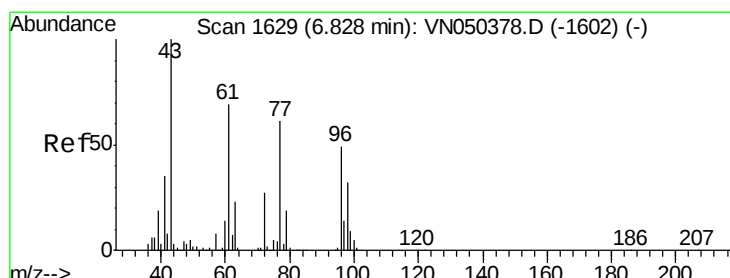
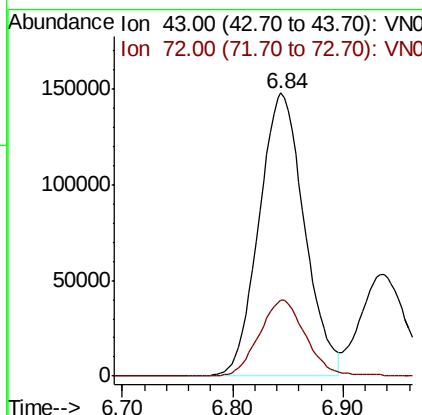
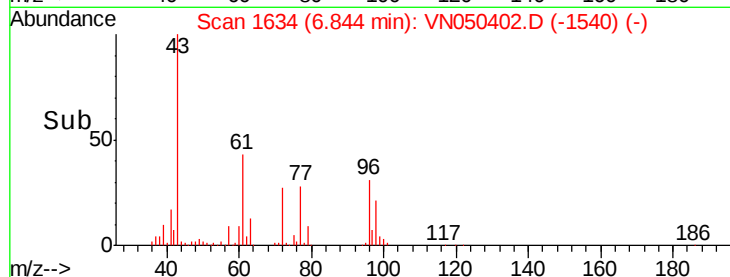
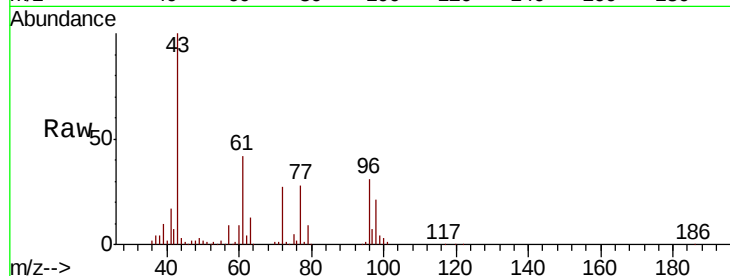




#25
2-Butanone
Concen: 104.38 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

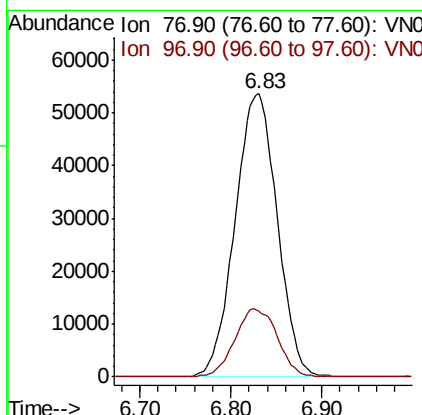
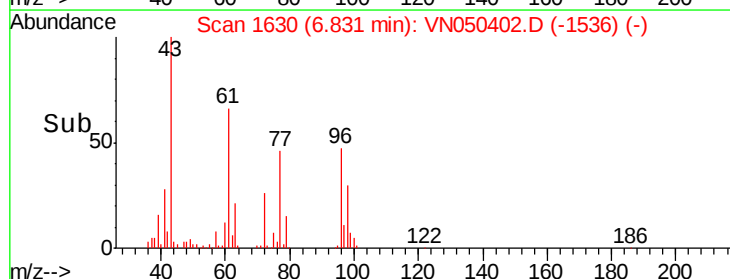
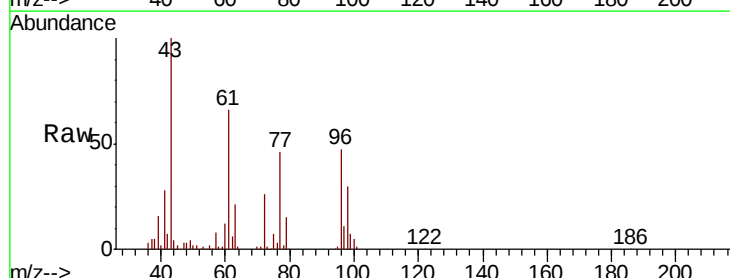
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

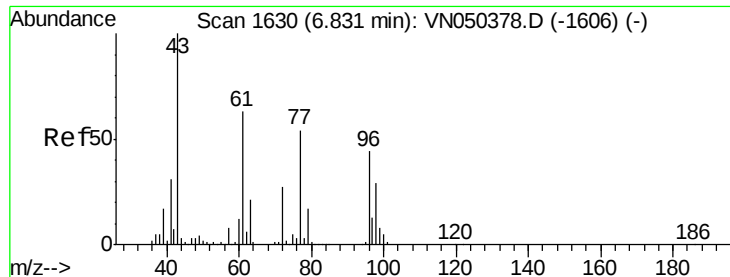
Tot Ion: 43 Resp: 421790
Ion Ratio Lower Upper
43 100
72 26.8 21.5 32.3



#26
2,2-Dichloropropane
Concen: 15.75 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 77 Resp: 172519
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.21 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

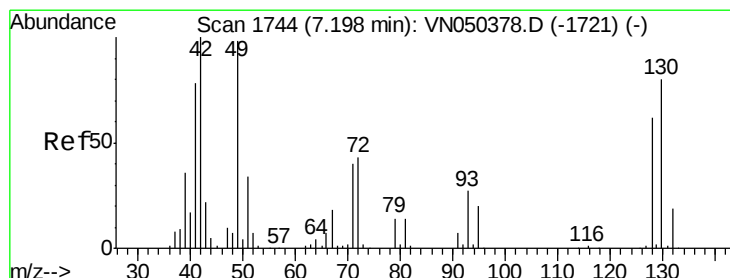
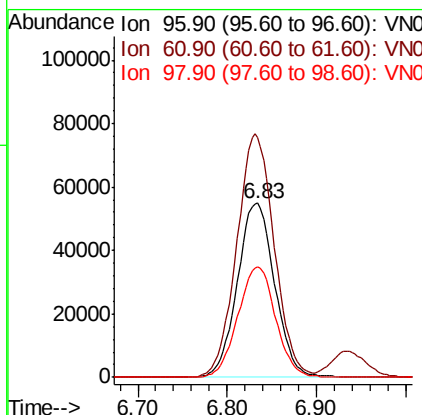
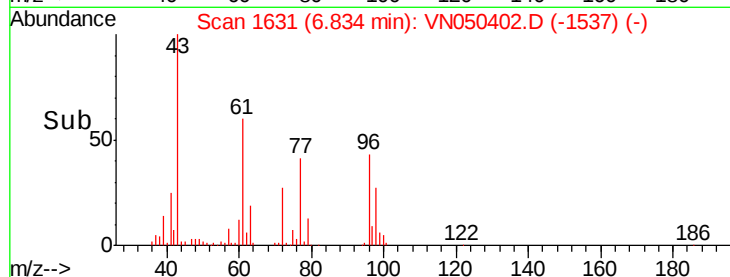
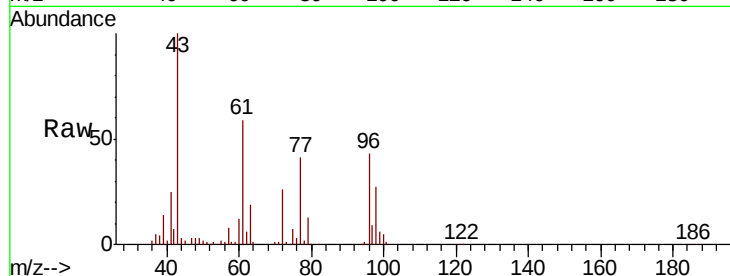
Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 96 Resp: 159919

Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	285.0
98	64.2	0.0	129.2



#28

Bromochloromethane

Concen: 20.19 ug/l

RT: 7.20 min Scan# 1744

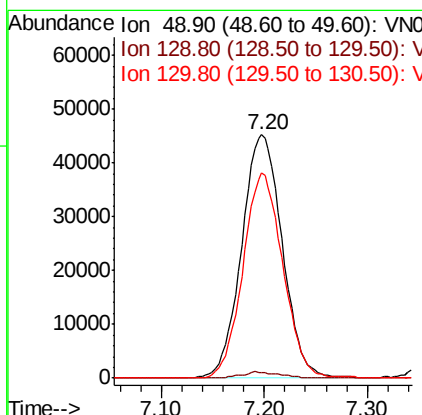
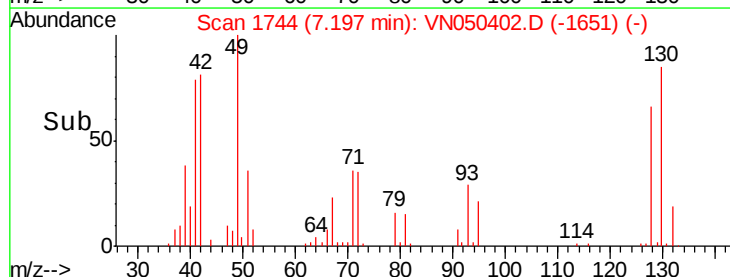
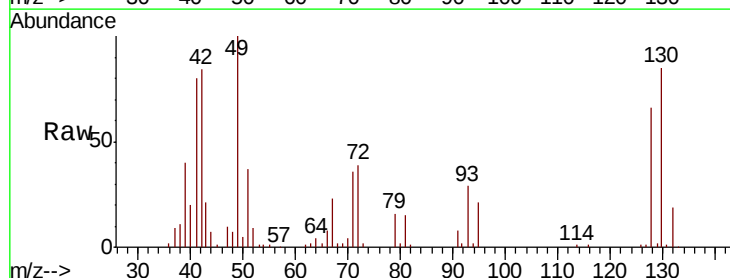
Delta R.T. -0.00 min

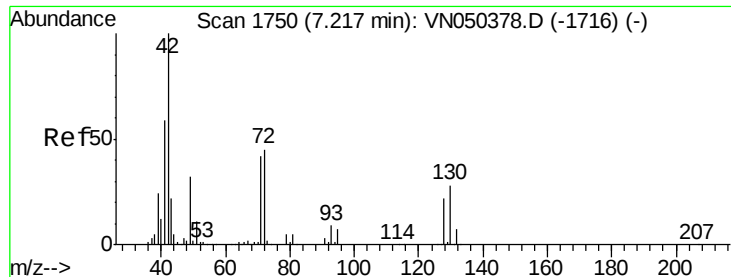
Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion: 49 Resp: 123456

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	82.7	66.3	99.5





#29

Tetrahydrofuran

Concen: 101.93 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

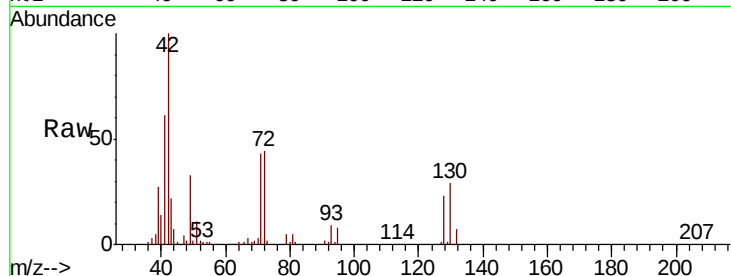
Tot Ion: 42 Resp: 220484

Ion Ratio Lower Upper

42 100

72 44.6 35.9 53.9

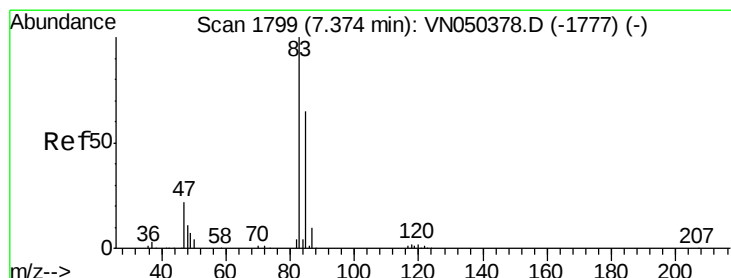
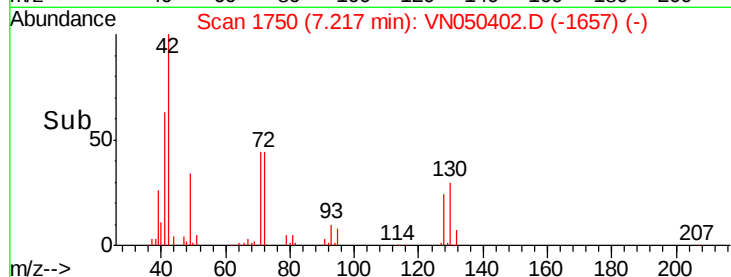
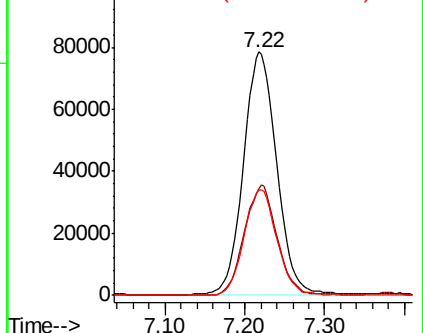
71 42.8 33.7 50.5



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: 21.15 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050402.D

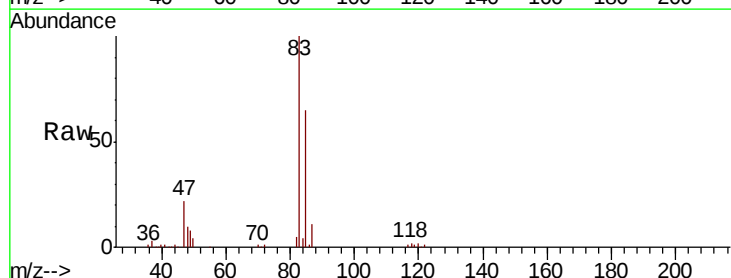
Acq: 6 Aug 2018 23:44

Tgt Ion: 83 Resp: 280887

Ion Ratio Lower Upper

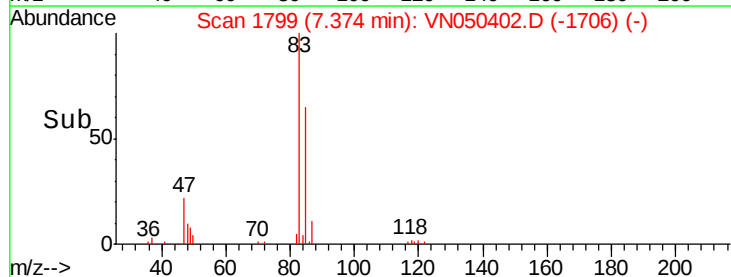
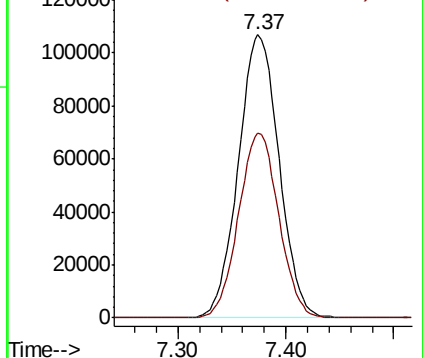
83 100

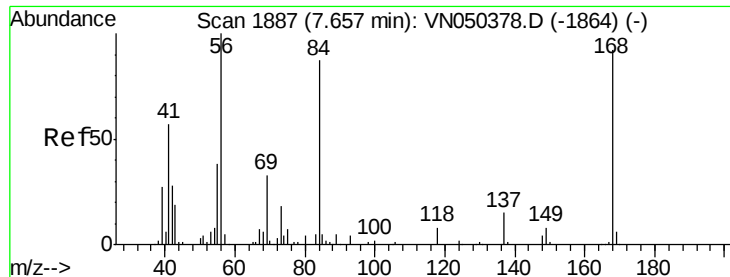
85 65.2 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

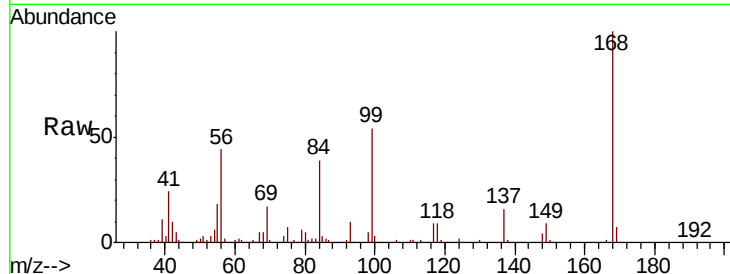




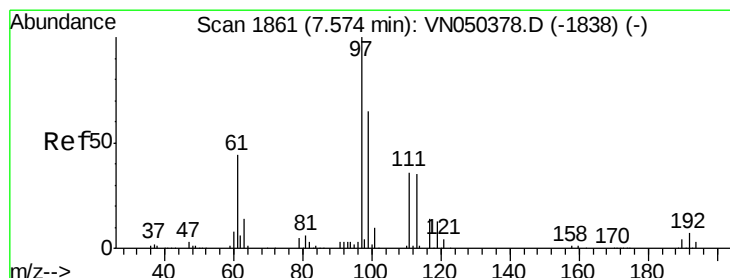
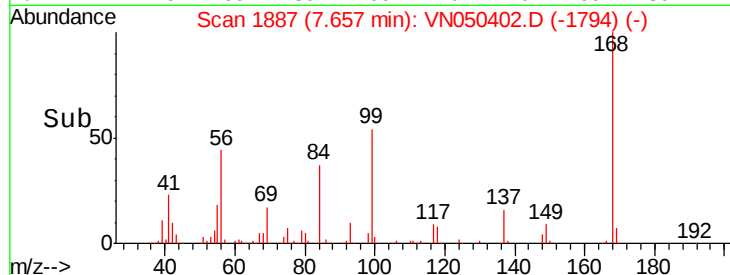
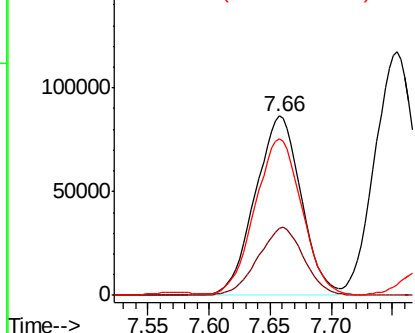
#31
Cyclohexane
Concen: 18.96 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 56 Resp: 226201
Ion Ratio Lower Upper
56 100
69 37.7 26.2 39.4
84 85.7 67.4 101.0

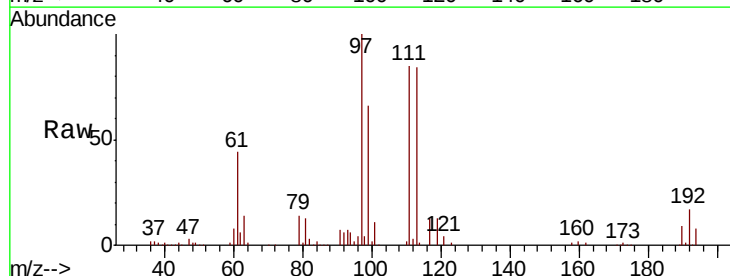


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

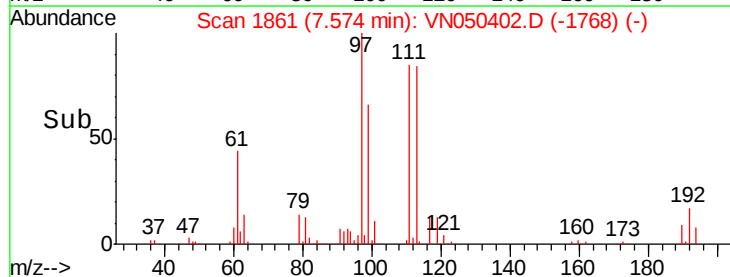
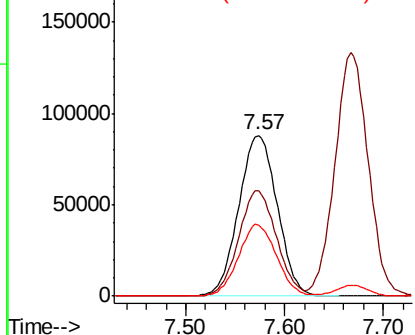


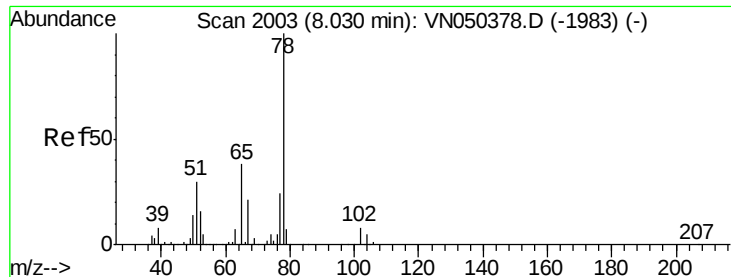
#32
1,1,1-Trichloroethane
Concen: 20.82 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 97 Resp: 237476
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 44.1 35.4 53.0



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

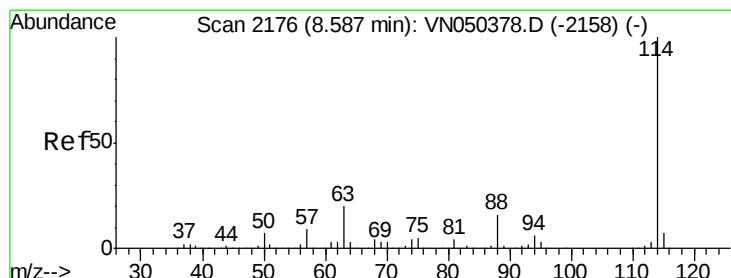
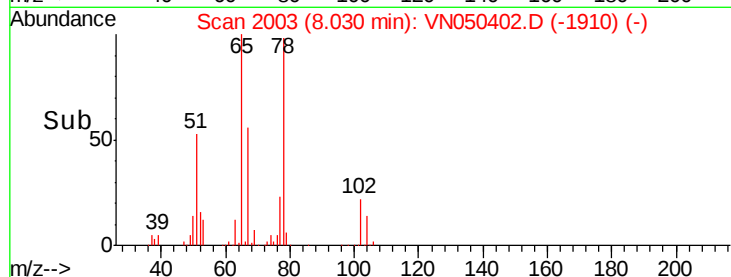
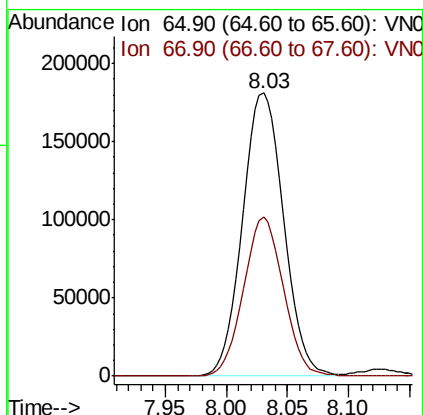
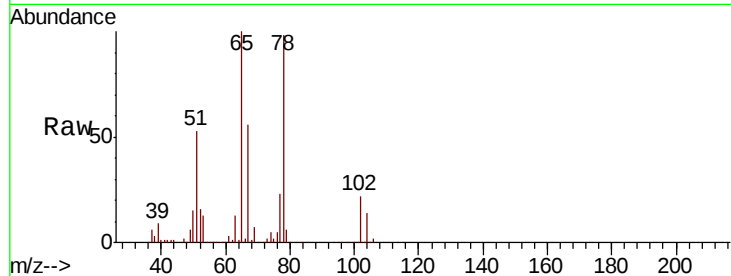




#33
 1,2-Dichloroethane-d4
 Concen: 51.89 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

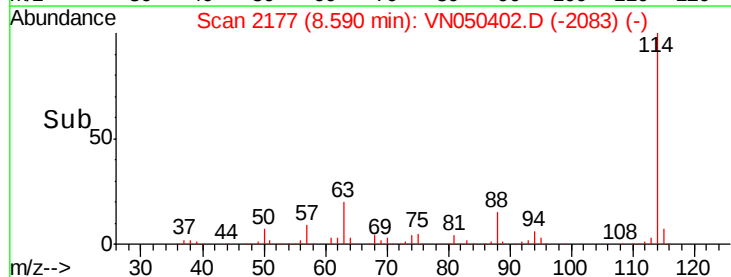
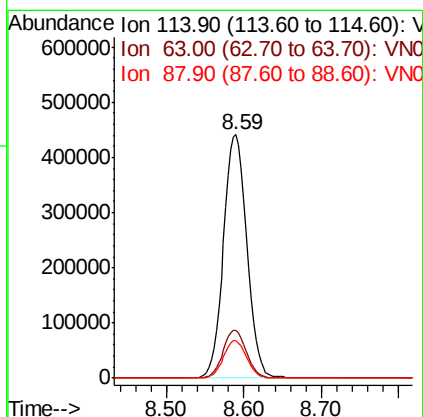
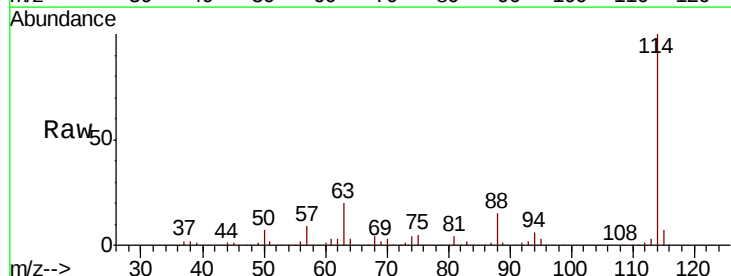
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

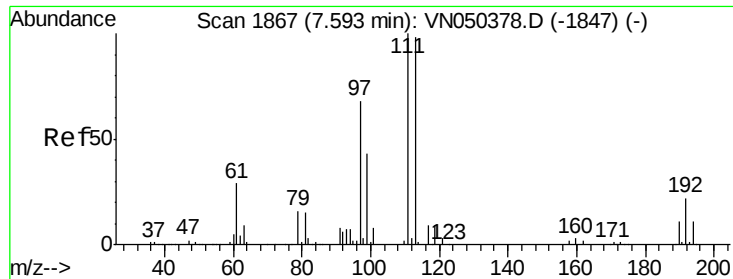
Tot Ion: 65 Resp: 423206
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 114 Resp: 923889
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.3 0.0 31.2

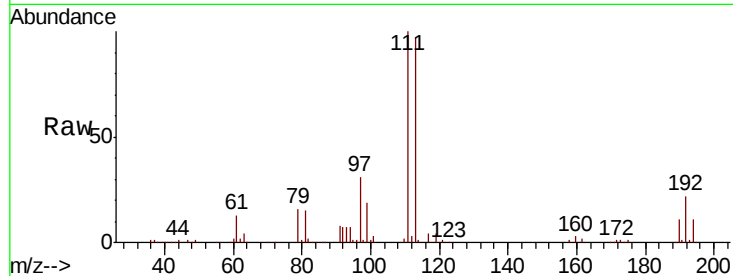




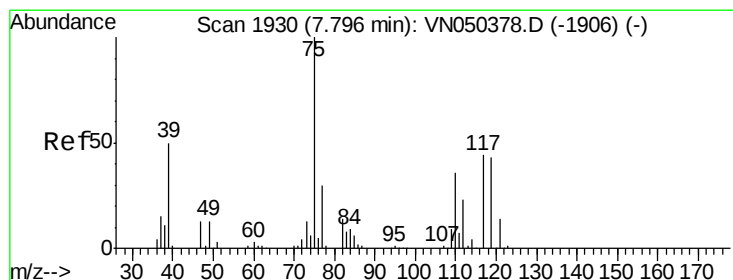
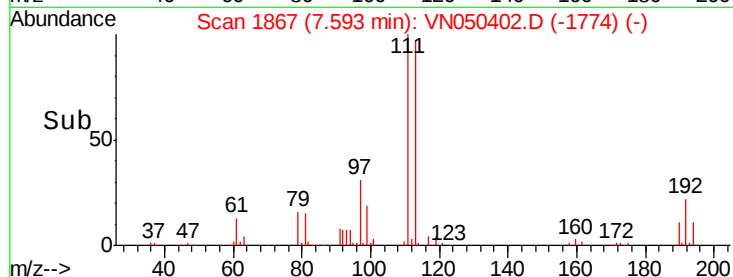
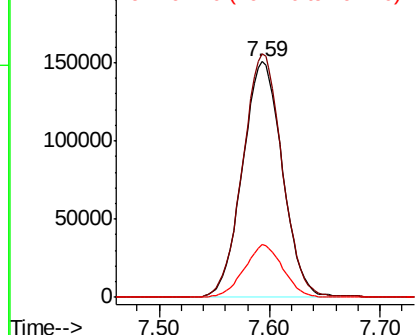
#35
Dibromofluoromethane
Concen: 50.97 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion:113 Resp: 377824
Ion Ratio Lower Upper
113 100
111 102.9 80.7 121.1
192 21.8 17.8 26.6

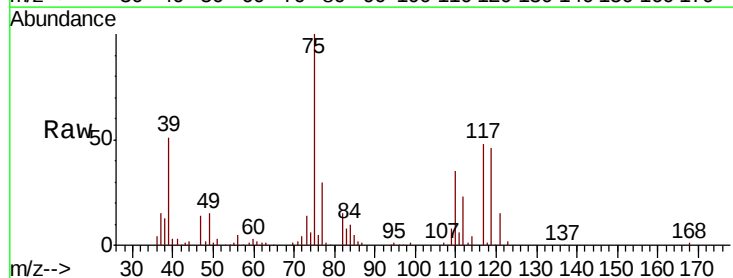


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

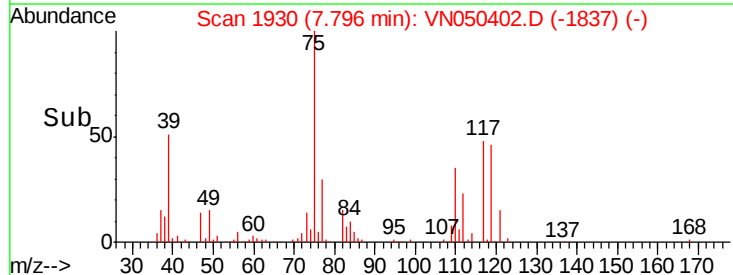
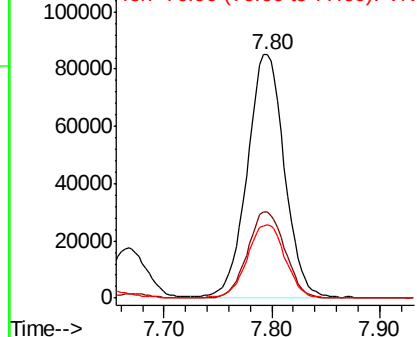


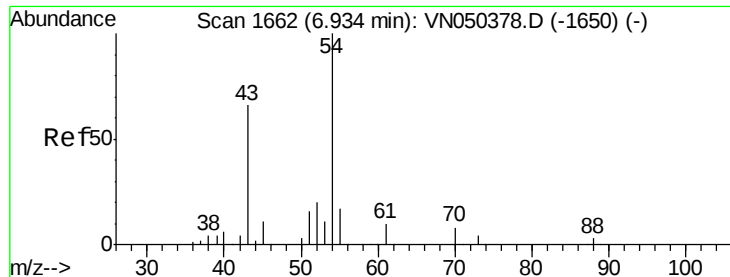
#36
1,1-Dichloropropene
Concen: 19.97 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 75 Resp: 202758
Ion Ratio Lower Upper
75 100
110 35.8 18.4 55.2
77 31.0 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

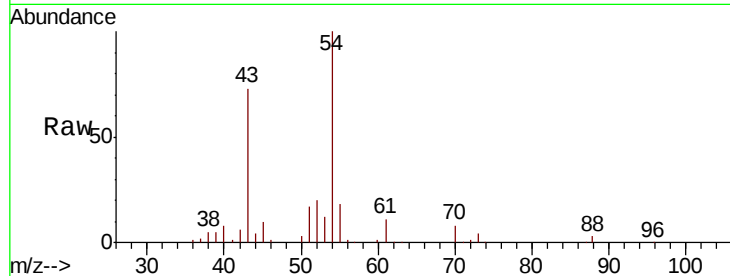




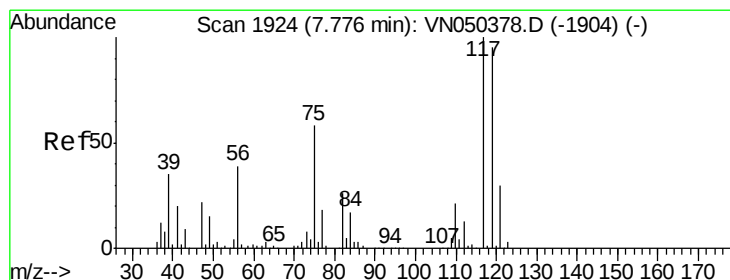
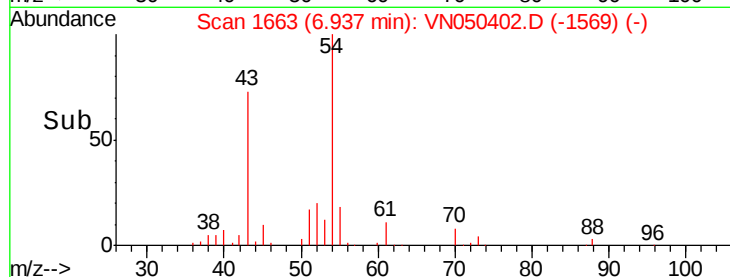
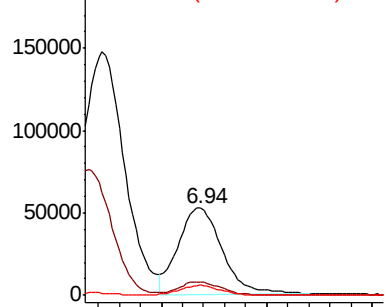
#37
Ethyl Acetate
Concen: 20.77 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 43 Resp: 151848
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.8
70 11.1 8.4 12.6

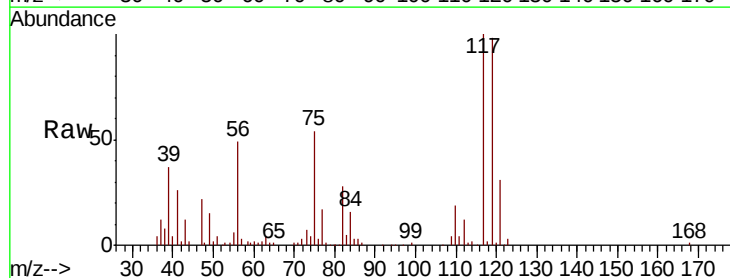


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

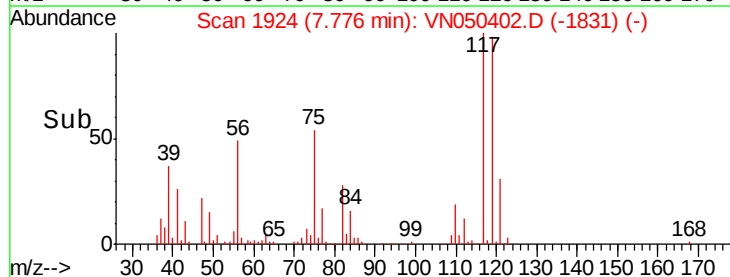
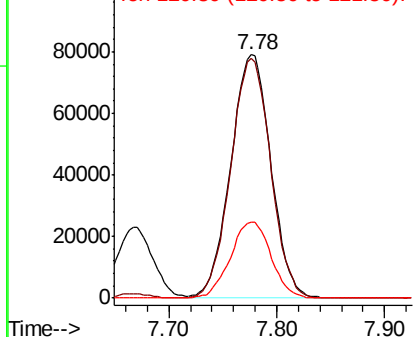


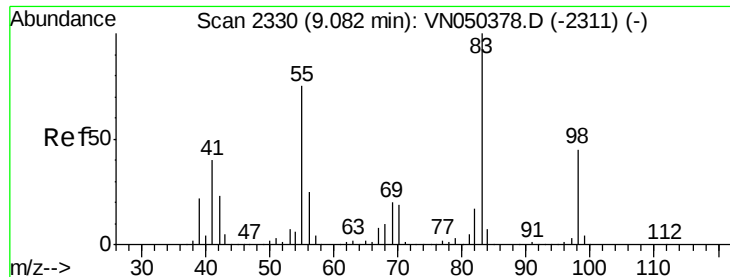
#38
Carbon Tetrachloride
Concen: 19.38 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 117 Resp: 205213
Ion Ratio Lower Upper
117 100
119 98.3 77.4 116.0
121 31.2 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

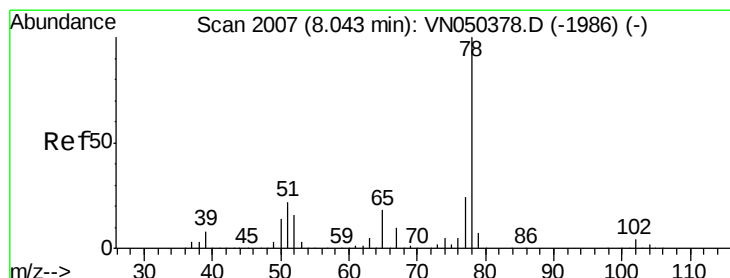
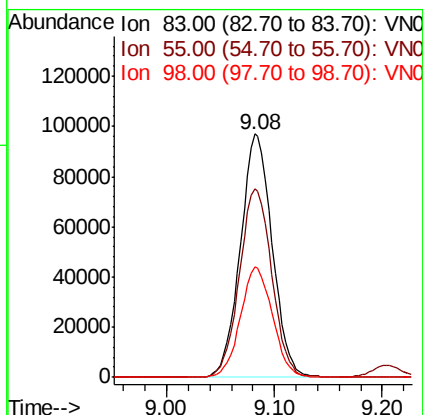
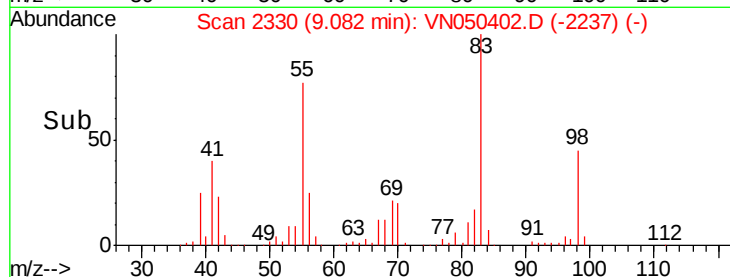
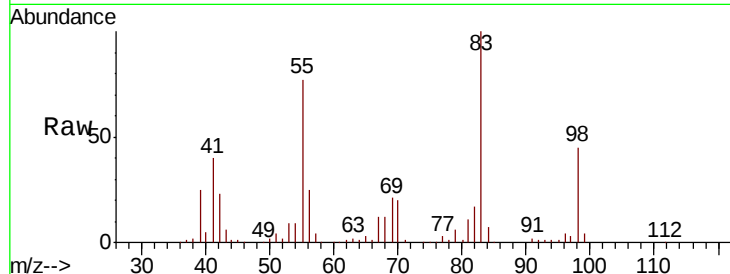




#39
Methvlcvclohexane
Concen: 17.97 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

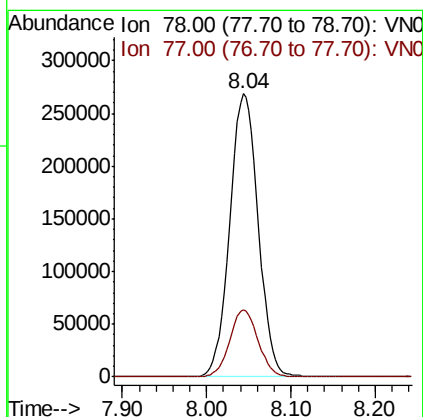
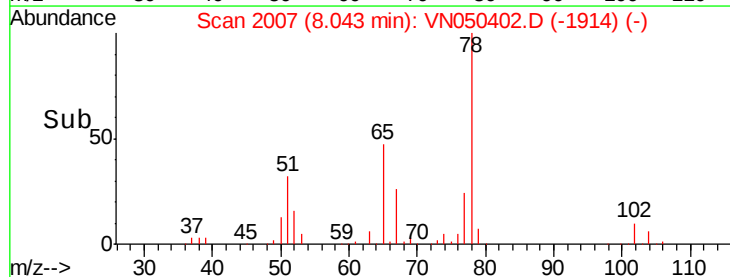
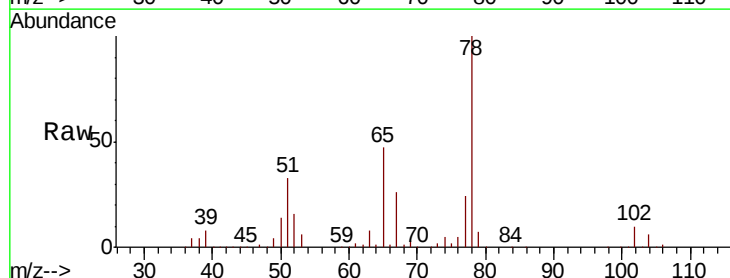
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

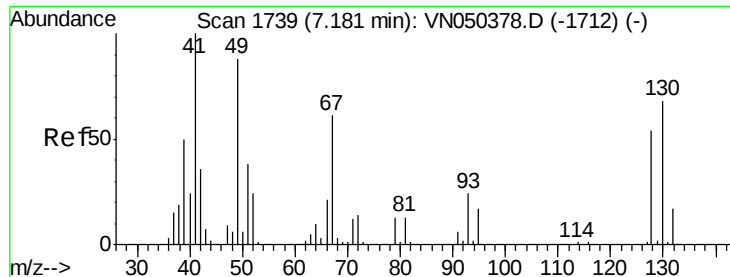
Tot Ion: 83 Resp: 199150
Ion Ratio Lower Upper
83 100
55 77.4 61.8 92.8
98 45.5 36.5 54.7



#40
Benzene
Concen: 20.20 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 78 Resp: 630567
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1

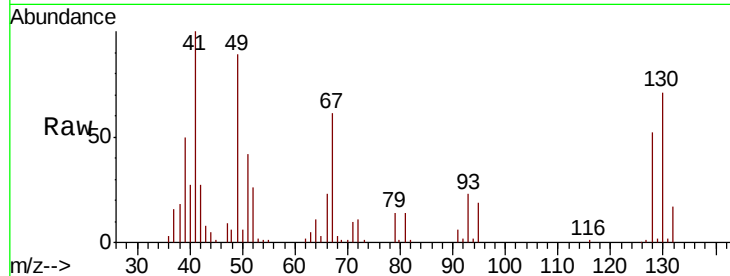




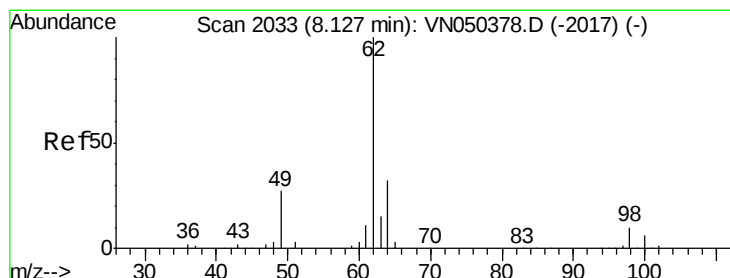
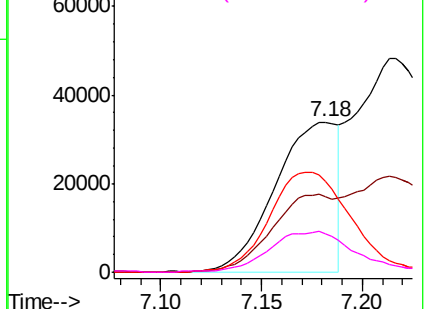
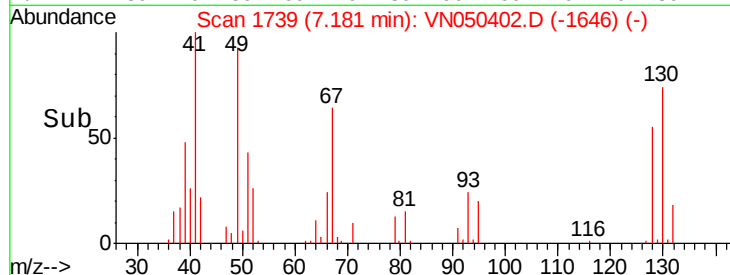
#41
Methacrylonitrile
Concen: 18.79 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion: 41 Resp: 73049
Ion Ratio Lower Upper
41 100
39 48.8 55.8 83.6#
67 87.9 84.3 126.5
52 38.3 34.2 51.2

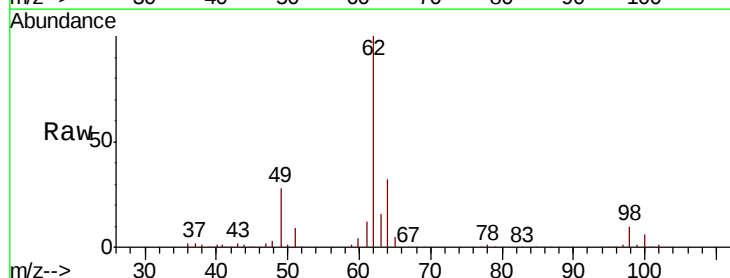


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

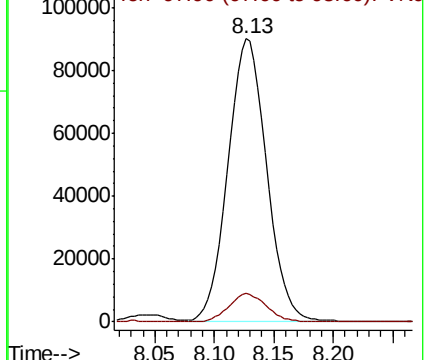
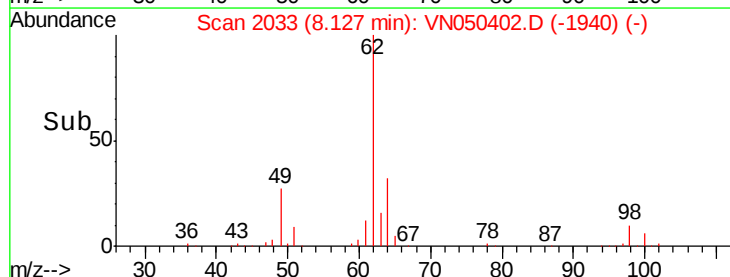


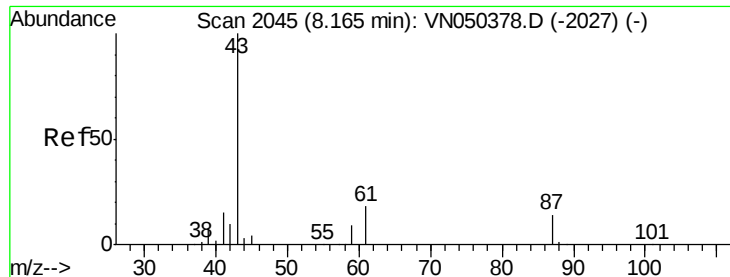
#42
1,2-Dichloroethane
Concen: 20.37 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 62 Resp: 201796
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 21.64 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

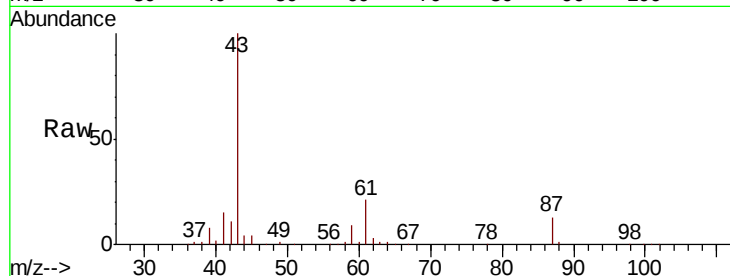
Tot Ion: 43 Resp: 273080

Ion Ratio Lower Upper

43 100

61 18.2 15.8 23.6

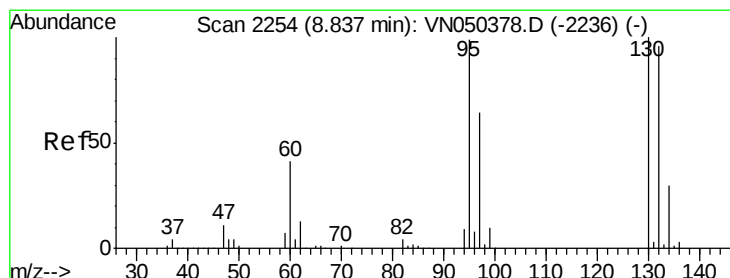
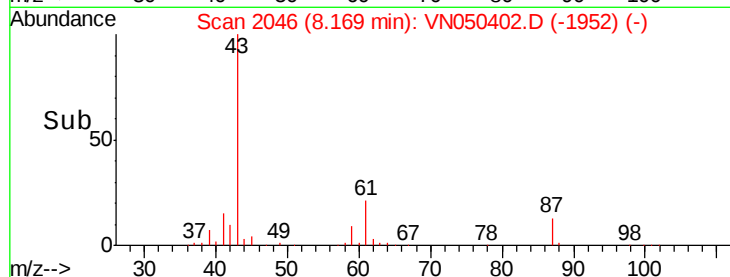
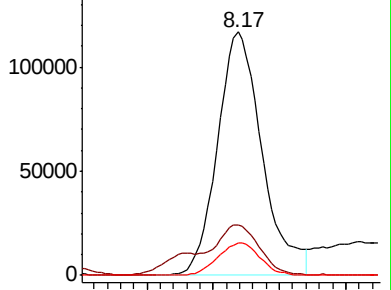
87 12.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)



#44

Trichloroethene

Concen: 19.45 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050402.D

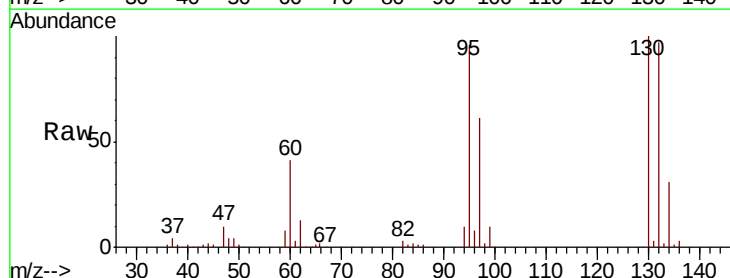
Acq: 6 Aug 2018 23:44

Tgt Ion:130 Resp: 163092

Ion Ratio Lower Upper

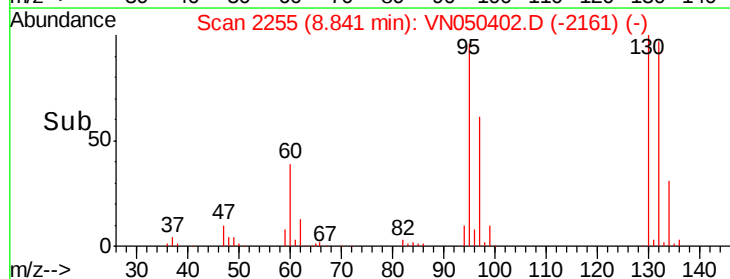
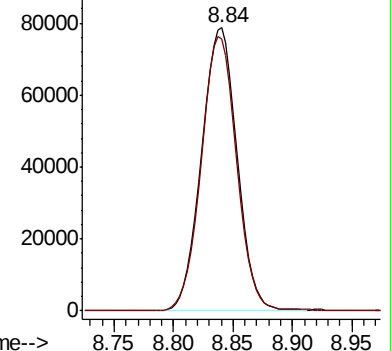
130 100

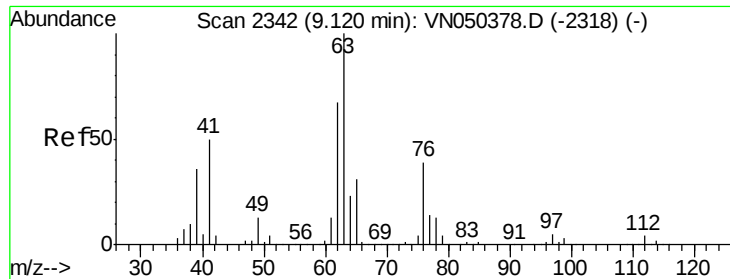
95 95.9 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

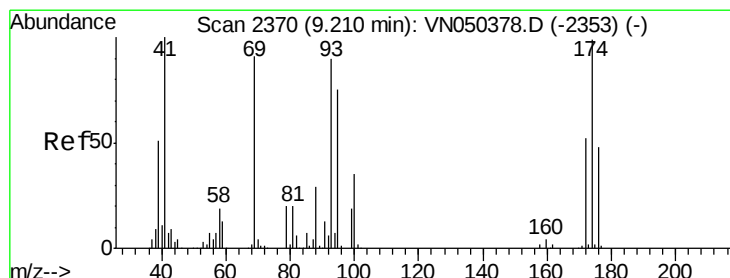
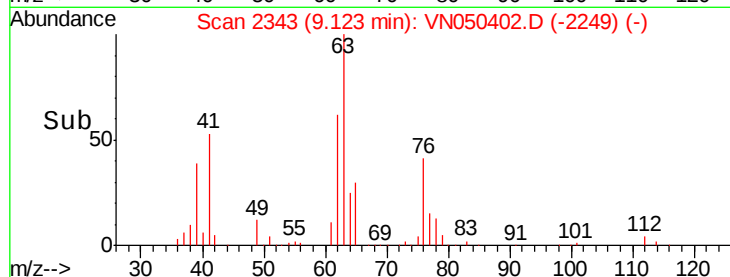
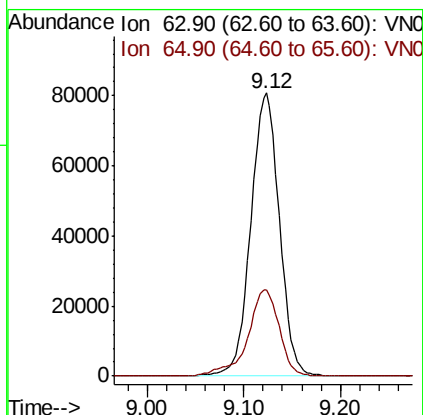
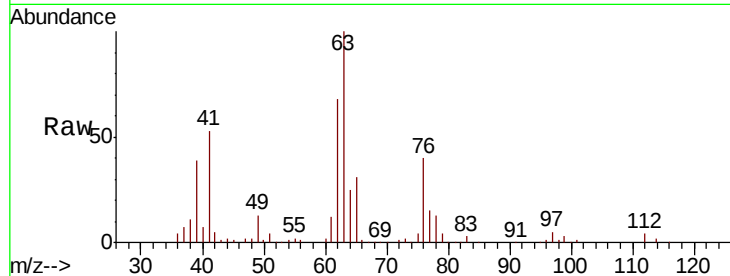




#45
 1,2-Dichloropropane
 Concen: 20.21 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

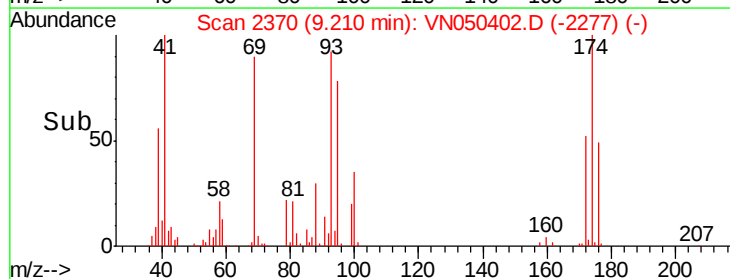
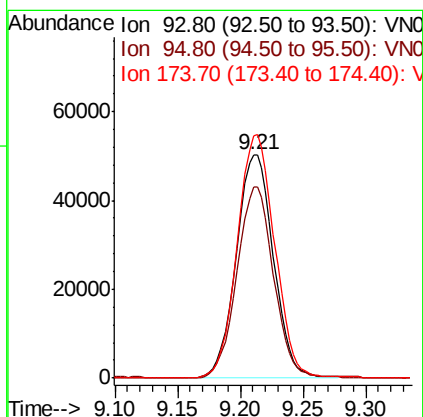
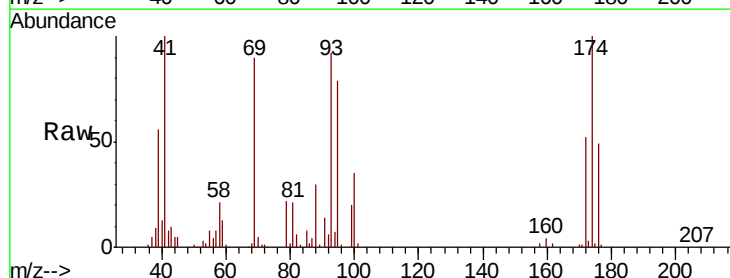
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

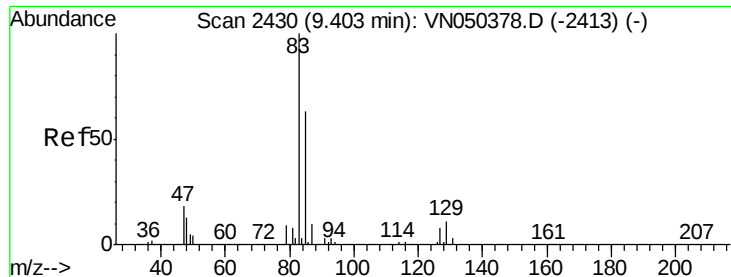
Tot Ion: 63 Resp: 165829
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3



#46
 Dibromomethane
 Concen: 20.49 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 93 Resp: 103839
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.6 100.0
 174 109.9 87.1 130.7

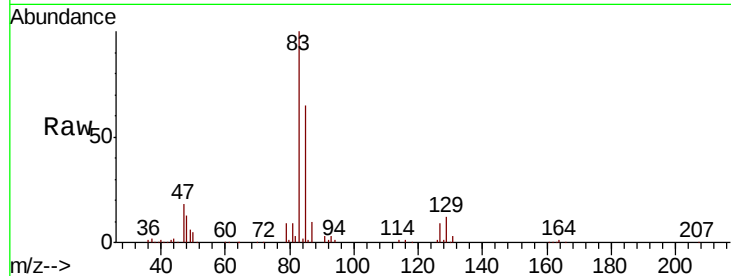




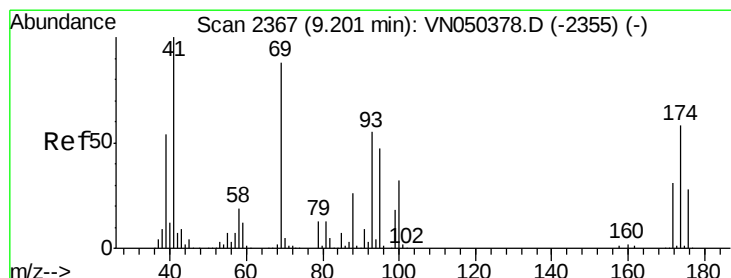
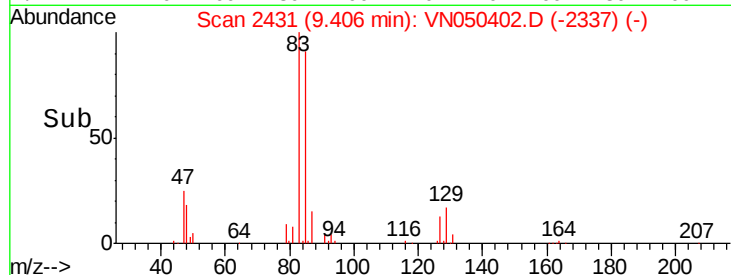
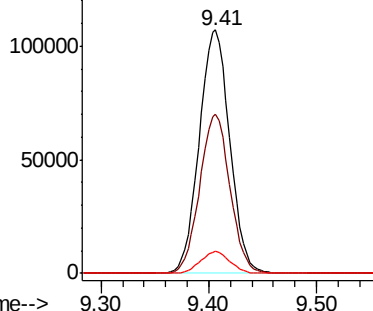
#47
Bromodichloromethane
Concen: 20.02 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion: 83 Resp: 210131
Ion Ratio Lower Upper
83 100
85 65.4 51.1 76.7
127 9.0 7.0 10.4

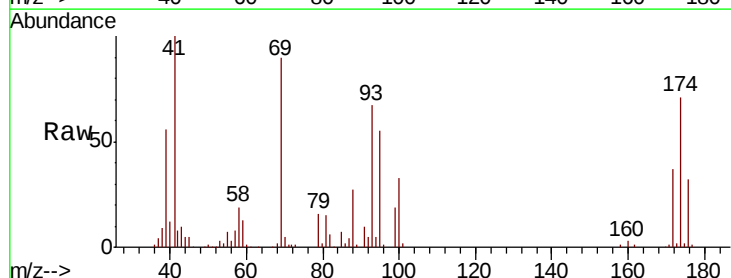


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

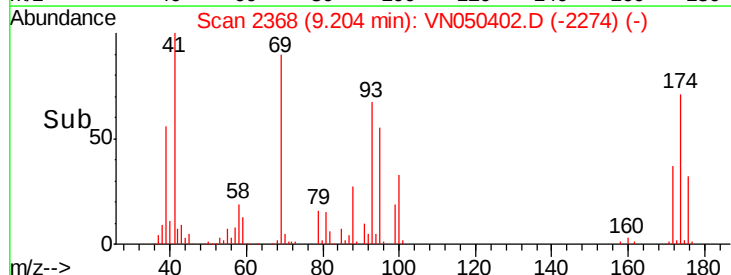
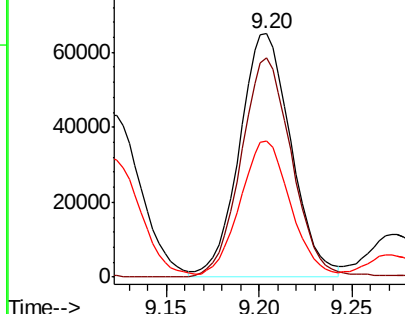


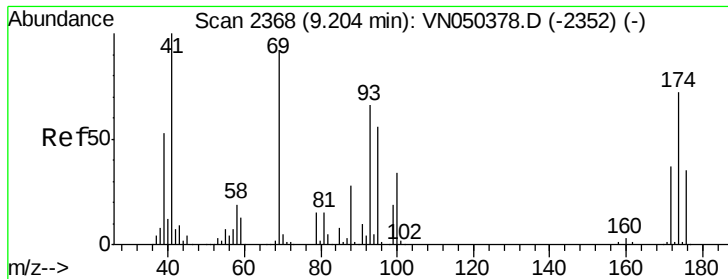
#48
Methyl methacrylate
Concen: 19.70 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 41 Resp: 124583
Ion Ratio Lower Upper
41 100
69 89.3 70.6 105.8
39 55.0 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: 393.62 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

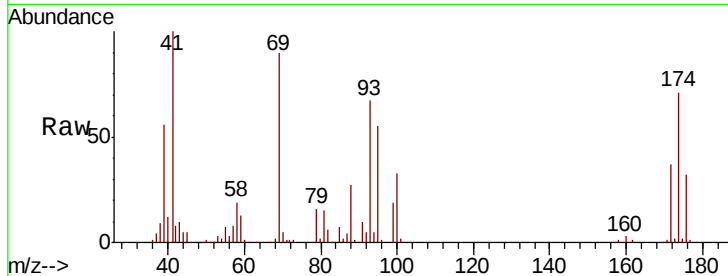
Tot Ion: 88 Resp: 38376

Ion Ratio Lower Upper

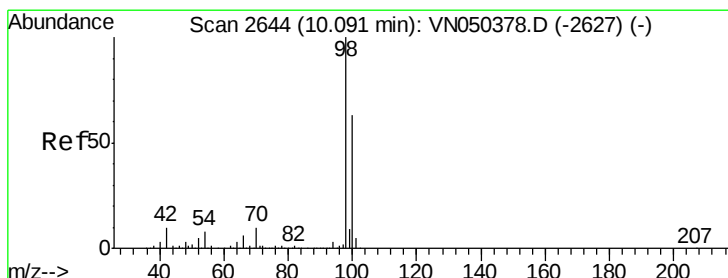
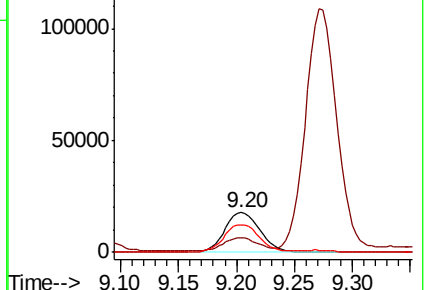
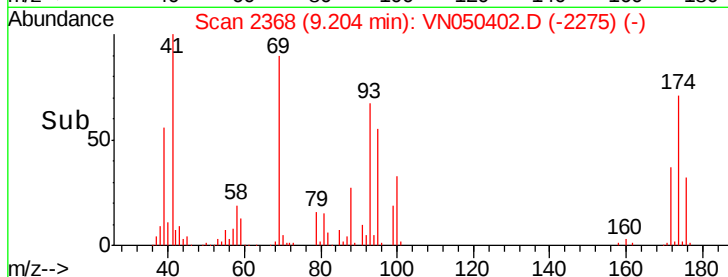
88 100

43 32.5 26.9 40.3

58 68.8 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: 50.33 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050402.D

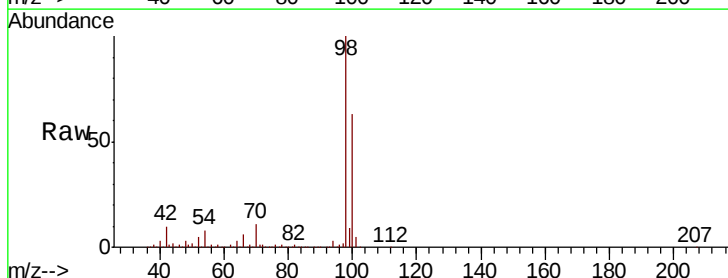
Acq: 6 Aug 2018 23:44

Tgt Ion: 98 Resp: 1402923

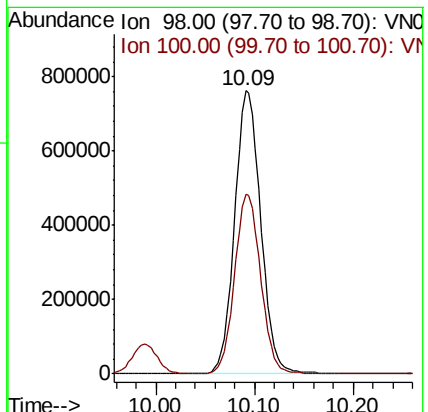
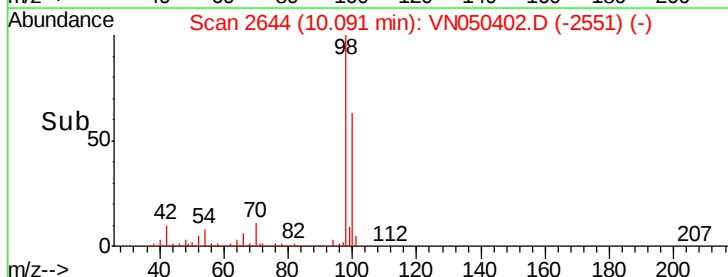
Ion Ratio Lower Upper

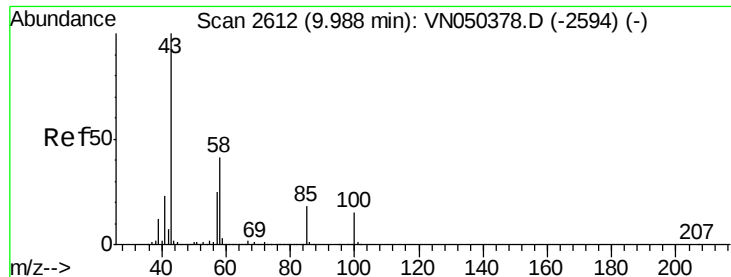
98 100

100 63.4 50.7 76.1



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

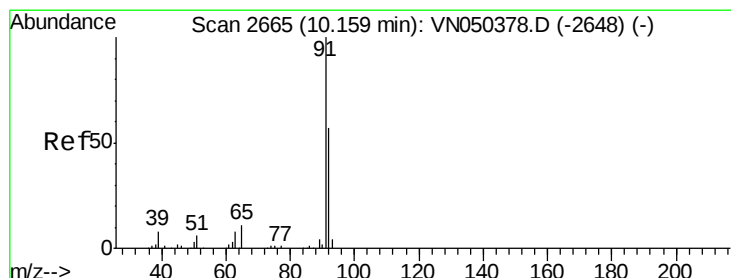
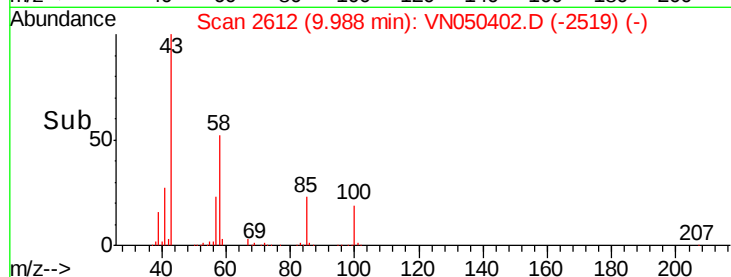
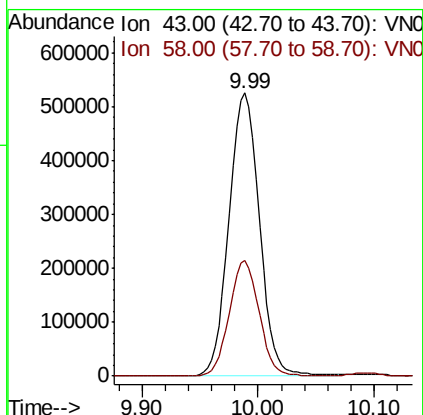
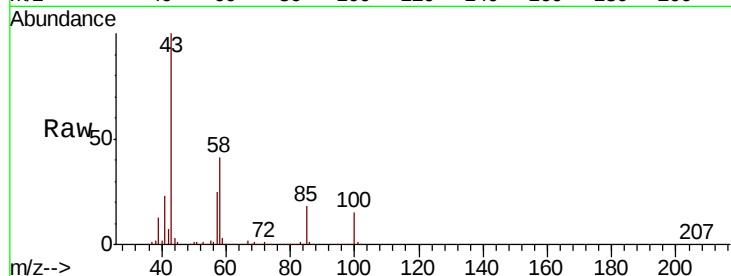




#51
 4-Methyl-2-Pentanone
 Concen: 104.85 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

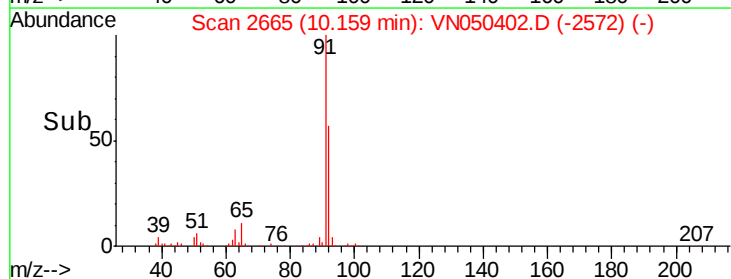
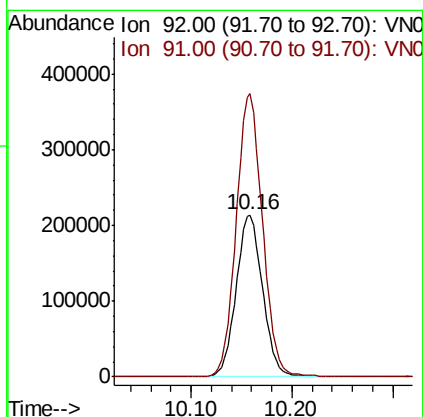
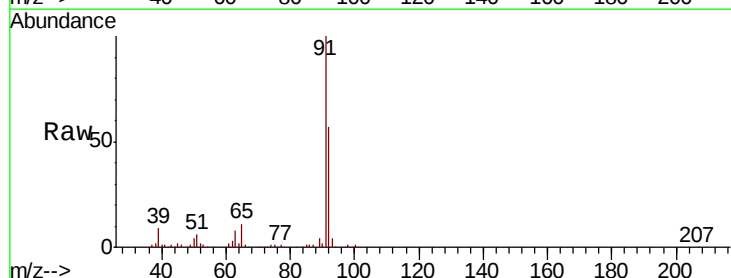
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

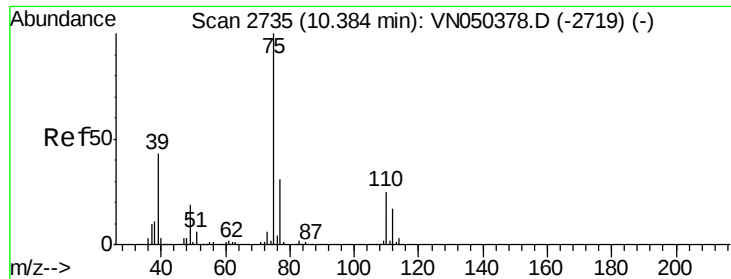
Tot Ion: 43 Resp: 952917
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9



#52
 Toluene
 Concen: 20.79 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 92 Resp: 389733
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.72 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

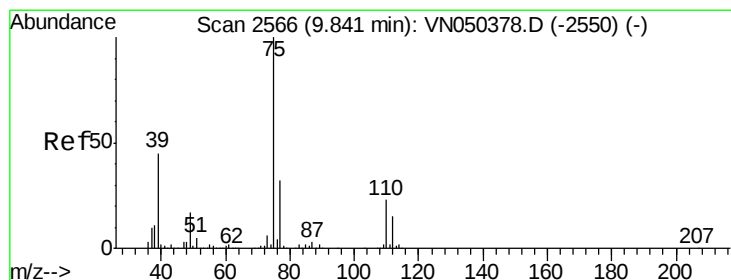
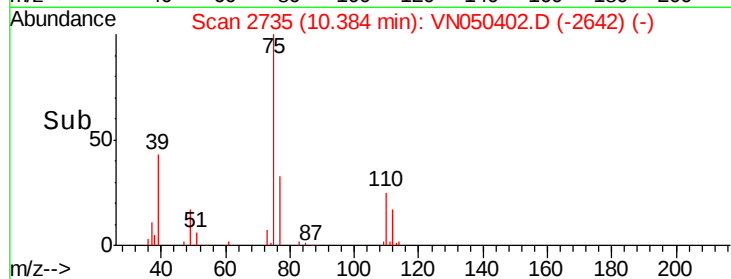
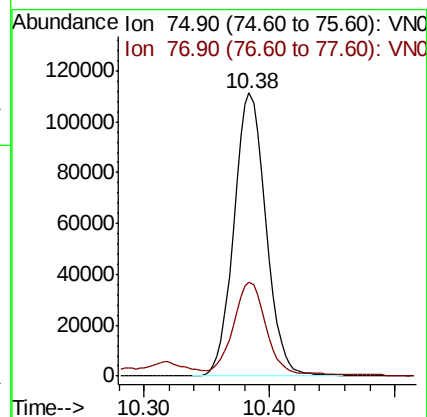
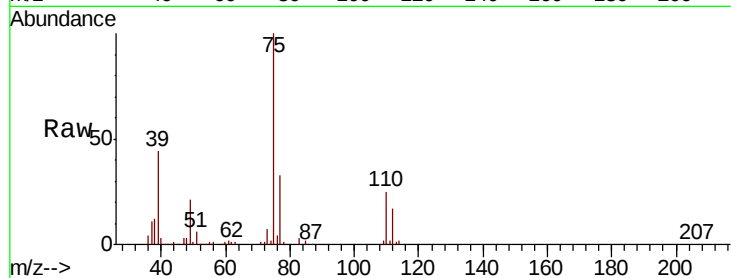
VN0806WBS02

Tot Ion: 75 Resp: 197240

Ion Ratio Lower Upper

75 100

77 32.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.61 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

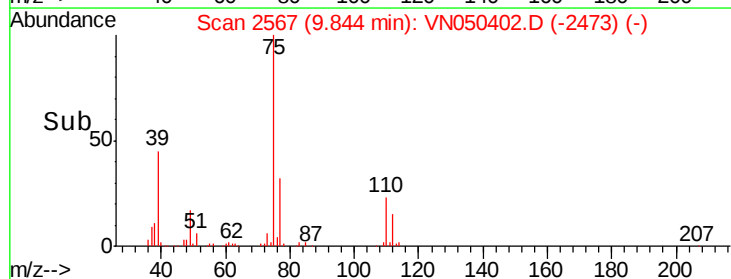
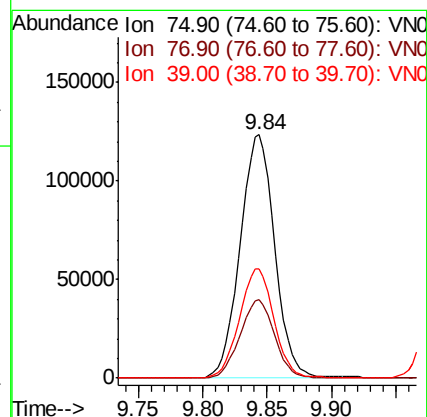
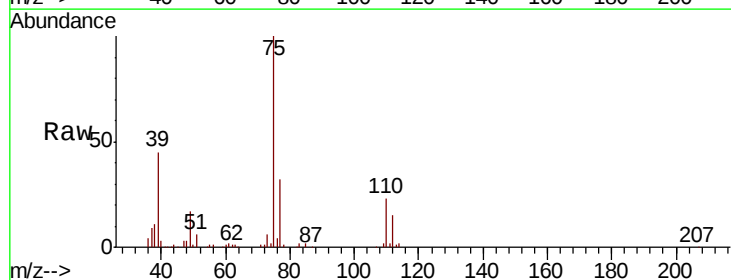
Tgt Ion: 75 Resp: 230651

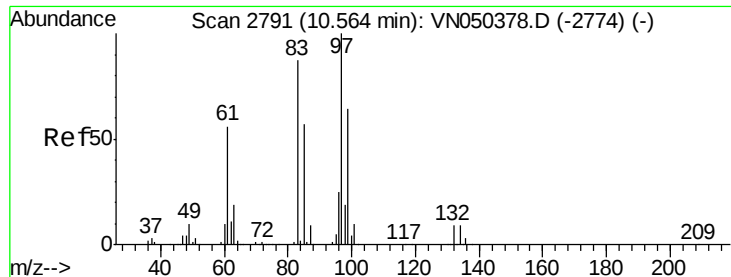
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

39 45.1 36.6 55.0

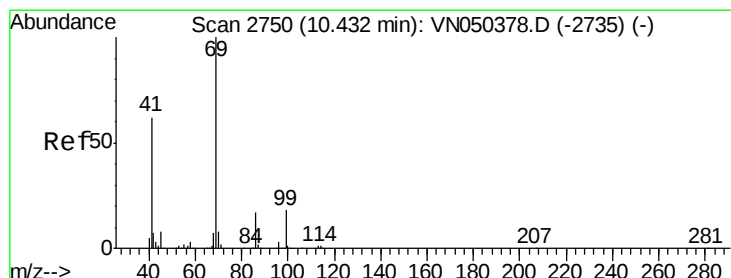
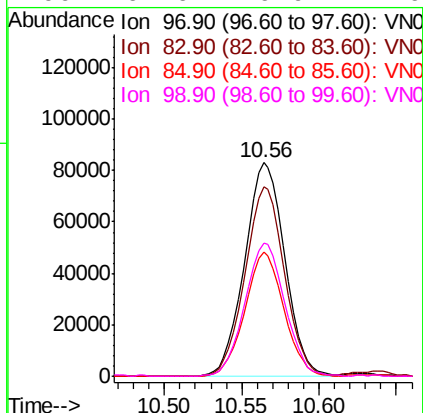
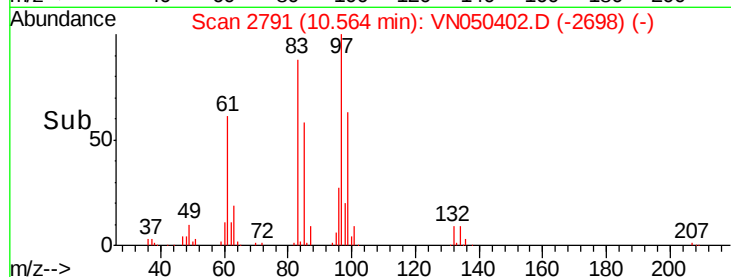
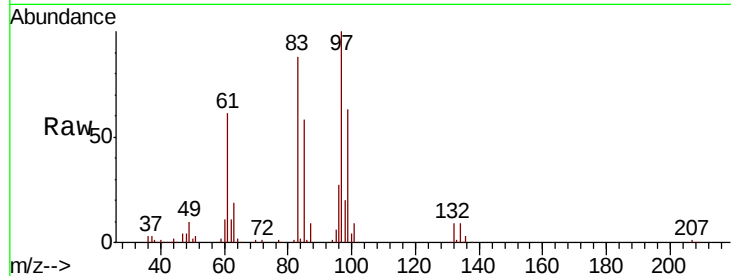




#55
 1,1,2-Trichloroethane
 Concen: 20.53 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

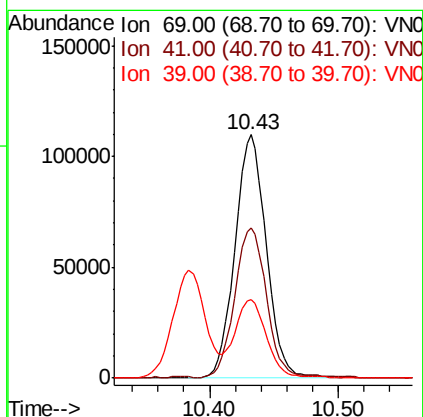
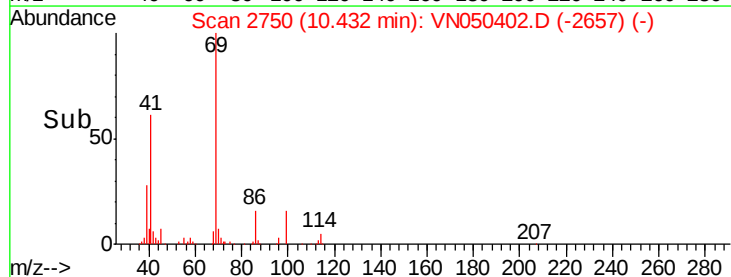
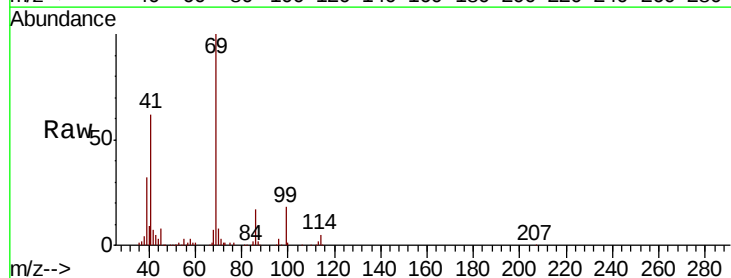
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

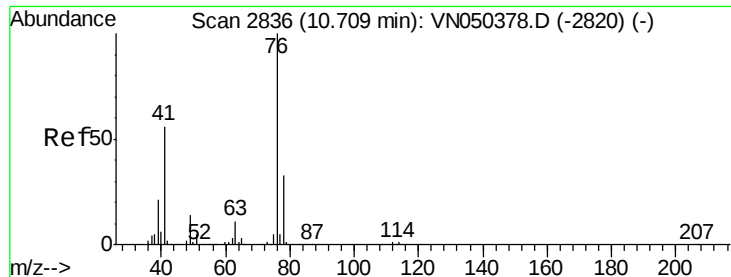
Tot Ion:	97	Resp:	150264
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.2	103.8
85	58.3	44.0	66.0
99	62.6	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 18.99 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion:	69	Resp:	185284
Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.0	76.4
39	31.3	26.6	40.0





#57

1,3-Dichloropropane

Concen: 20.25 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampled :

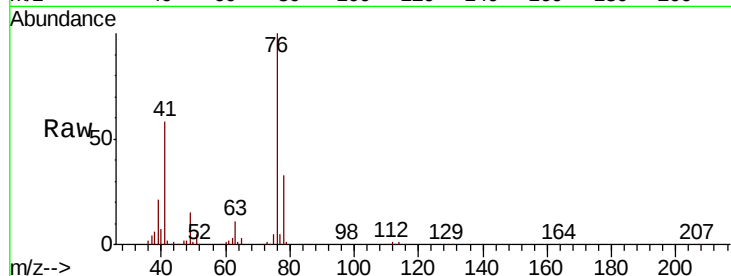
VN0806WBS02

Tot Ion: 76 Resp: 243260

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

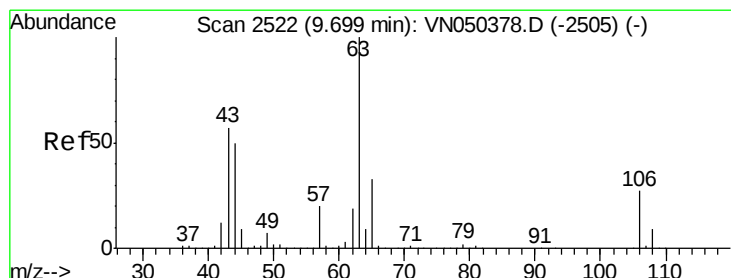
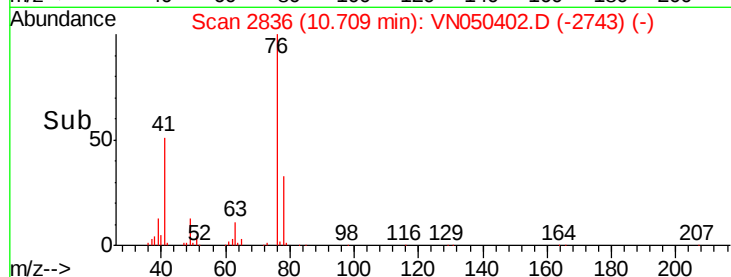
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 95.71 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050402.D

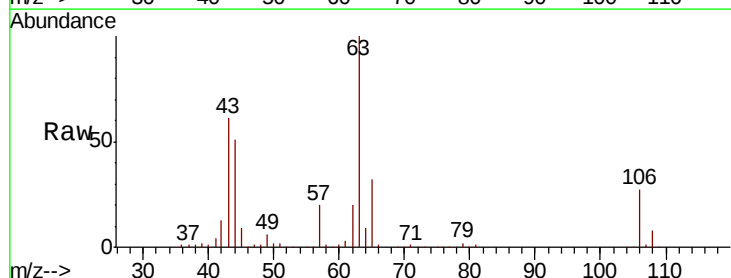
Acq: 6 Aug 2018 23:44

Tgt Ion: 63 Resp: 439337

Ion Ratio Lower Upper

63 100

106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

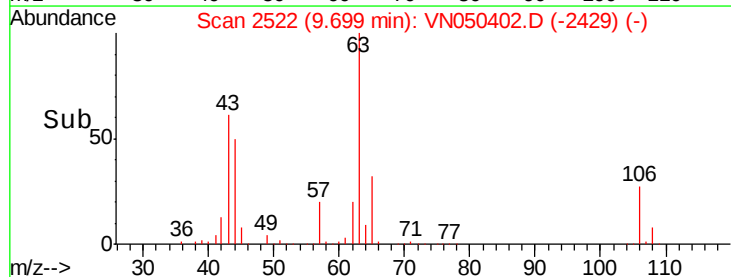
150000

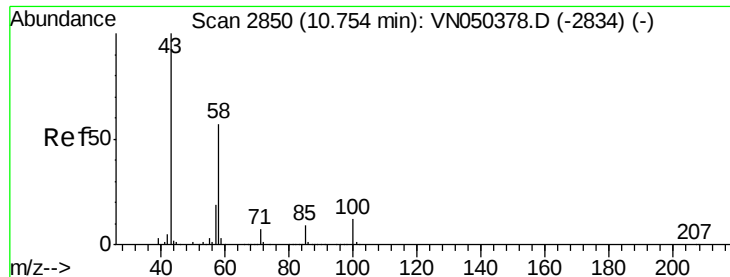
100000

50000

0

Time--> 9.60 9.70 9.80

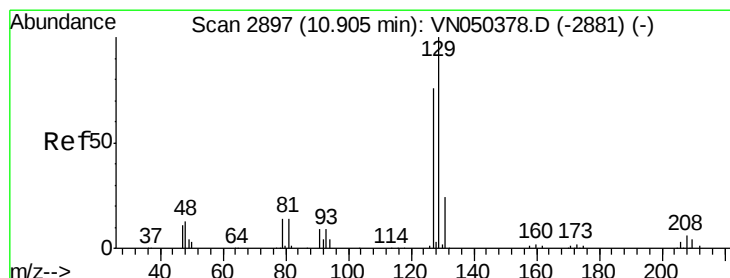
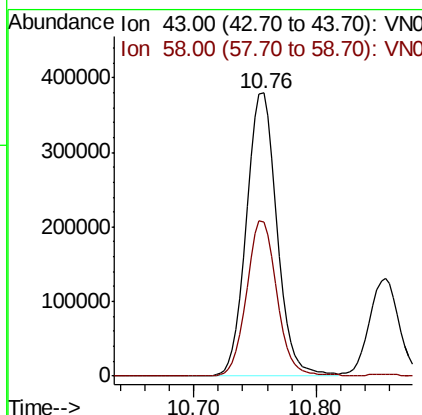
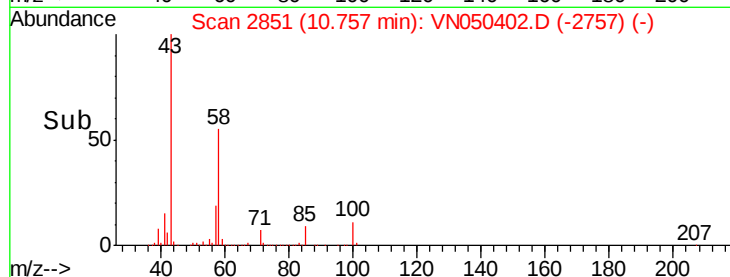
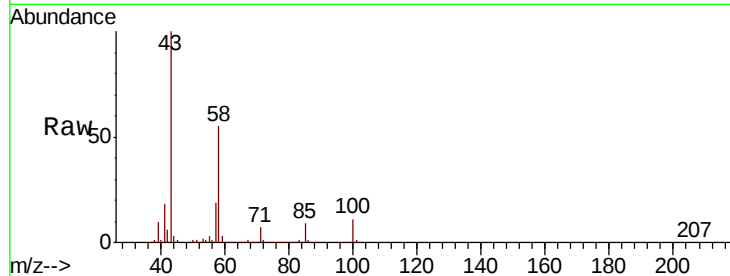




#59
2-Hexanone
Concen: 102.67 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

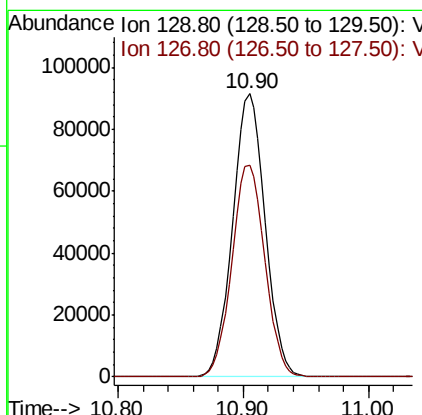
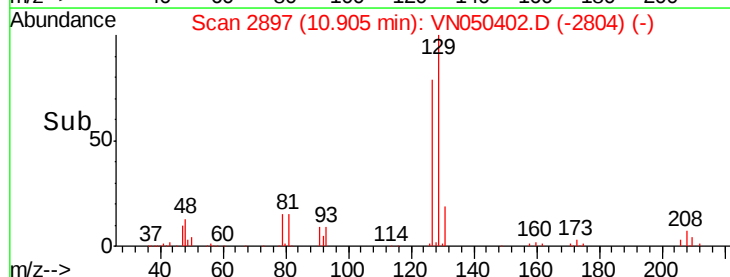
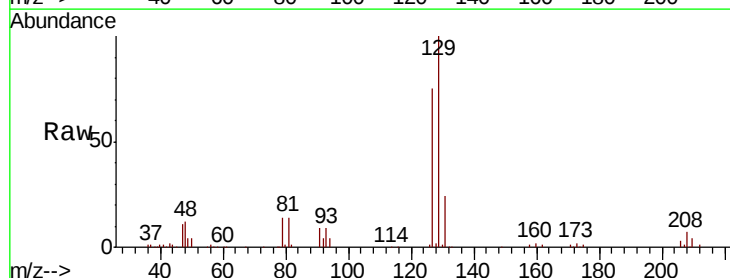
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

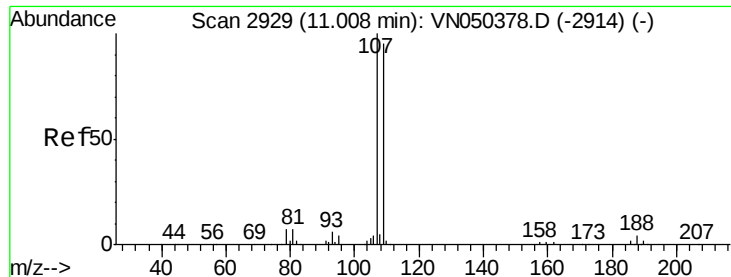
Tot Ion: 43 Resp: 651203
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7



#60
Dibromochloromethane
Concen: 20.39 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion:129 Resp: 164395
Ion Ratio Lower Upper
129 100
127 76.0 38.0 113.9

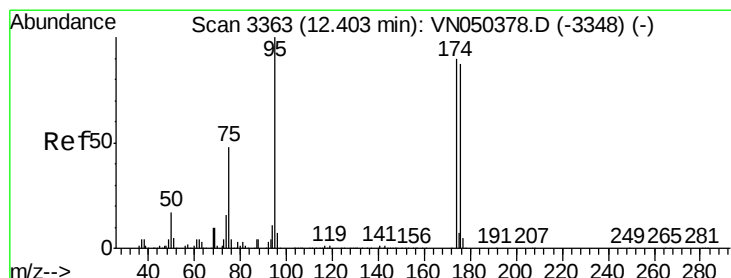
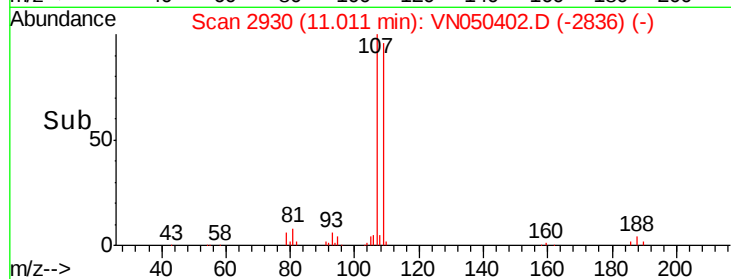
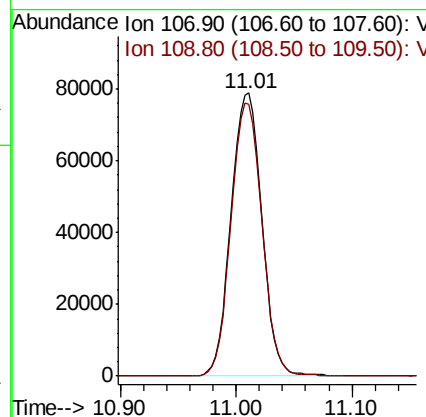
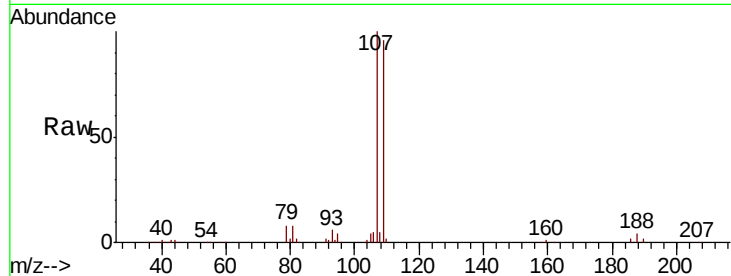




#61
 1,2-Dibromoethane
 Concen: 20.09 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

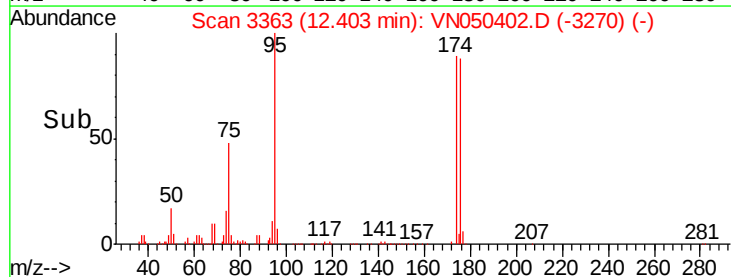
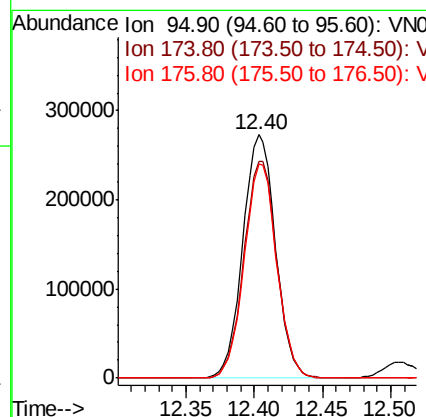
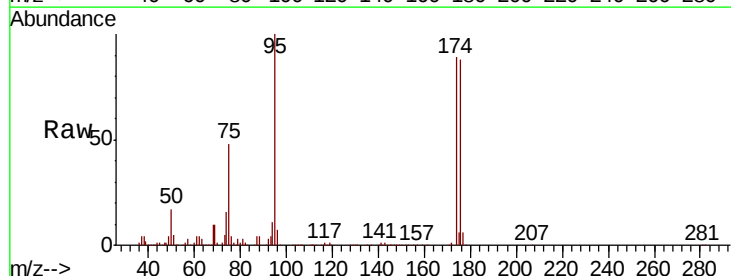
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

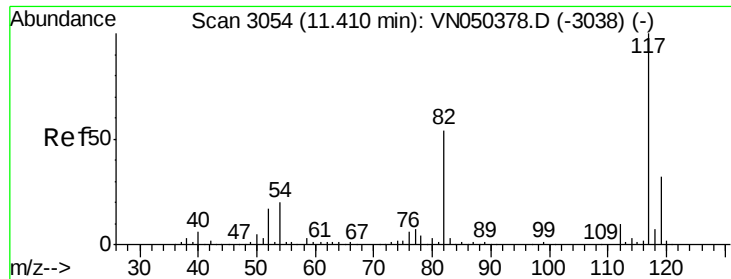
Tot Ion:107 Resp: 144895
 Ion Ratio Lower Upper
 107 100
 109 96.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 47.76 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 95 Resp: 453681
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 178.2
 176 87.5 0.0 173.4

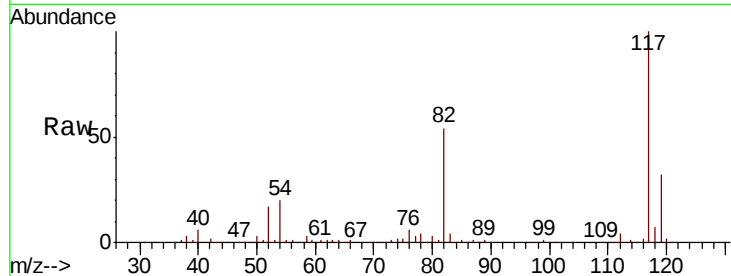




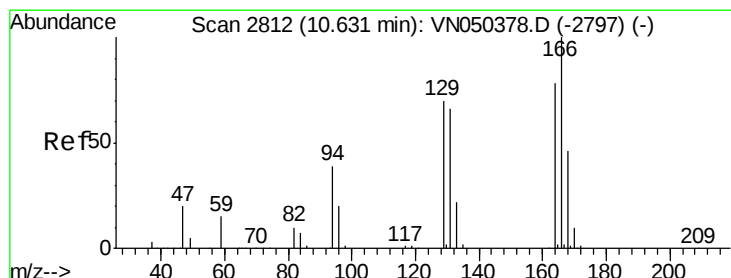
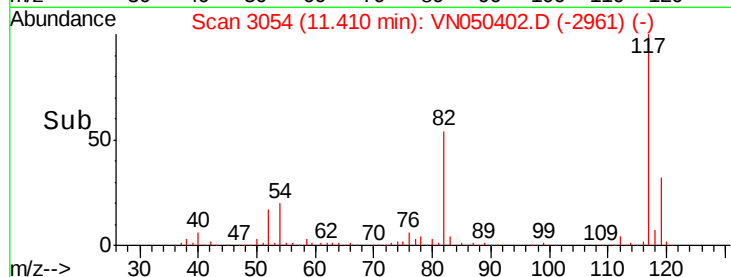
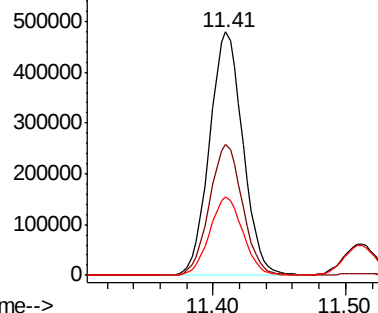
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion:117 Resp: 837089
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.0 26.1 39.1

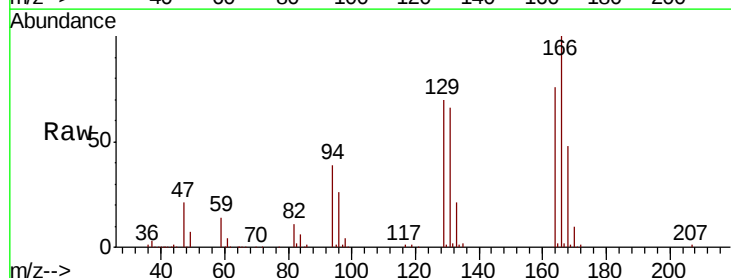


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

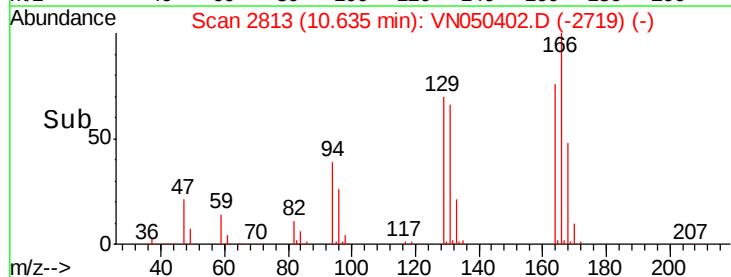
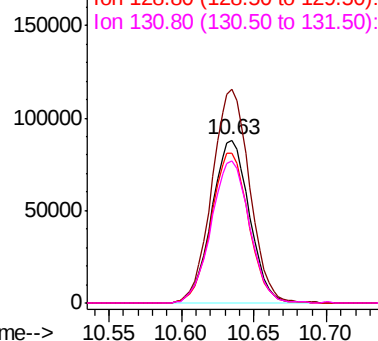


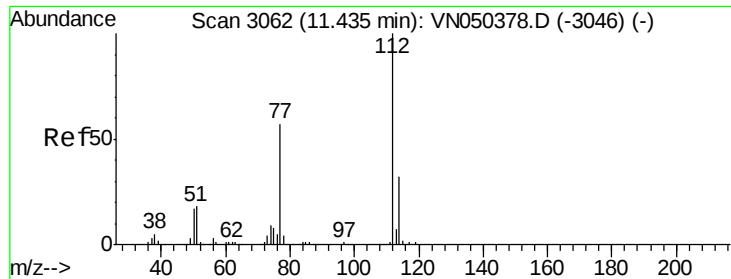
#64
Tetrachloroethene
Concen: 20.31 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion:164 Resp: 158851
Ion Ratio Lower Upper
164 100
166 131.3 102.1 153.1
129 92.4 73.2 109.8
131 87.2 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

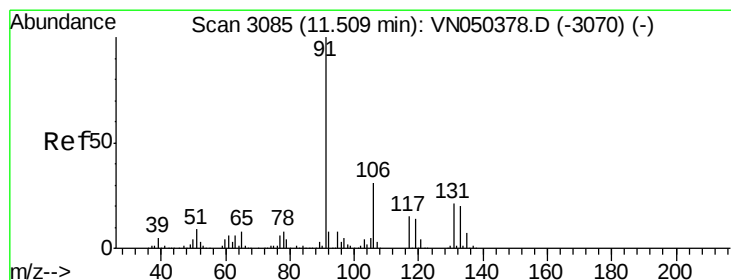
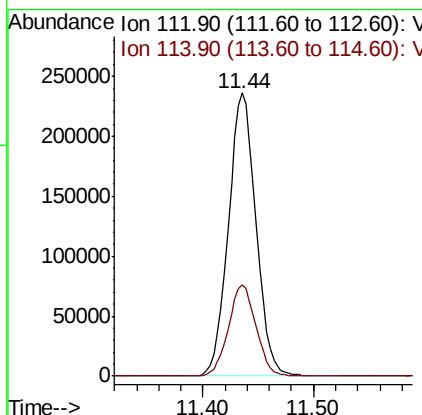
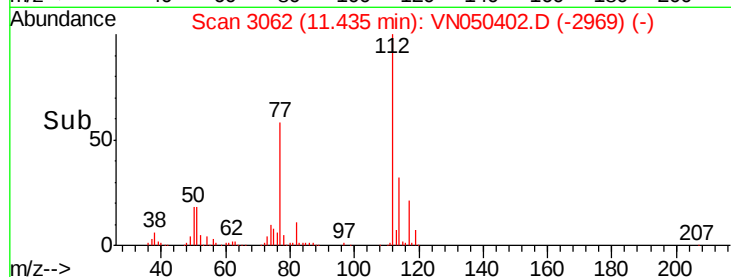
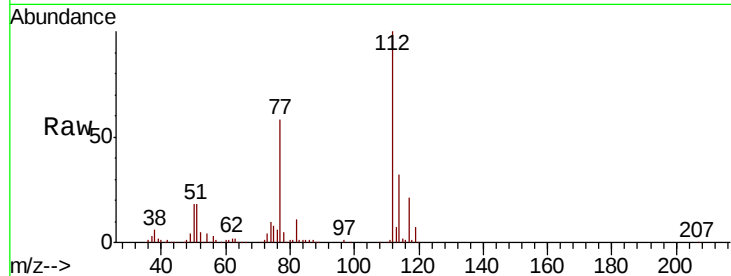




#65
Chlorobenzene
Concen: 19.47 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

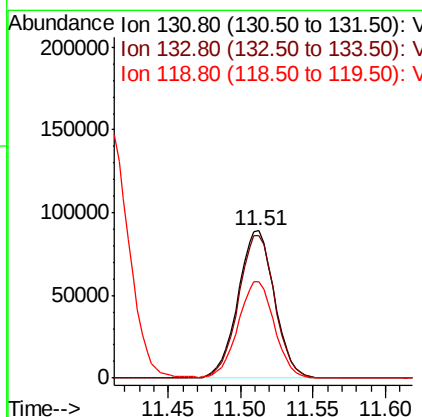
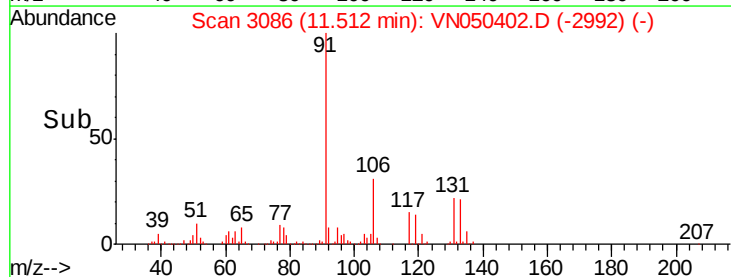
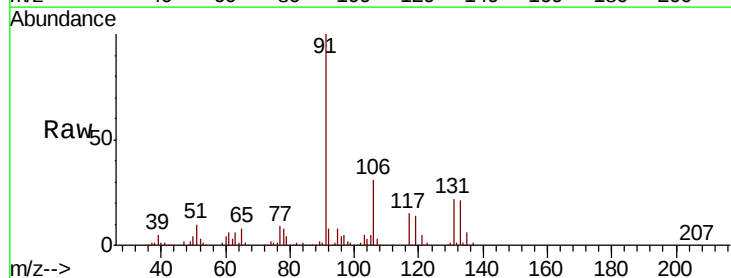
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

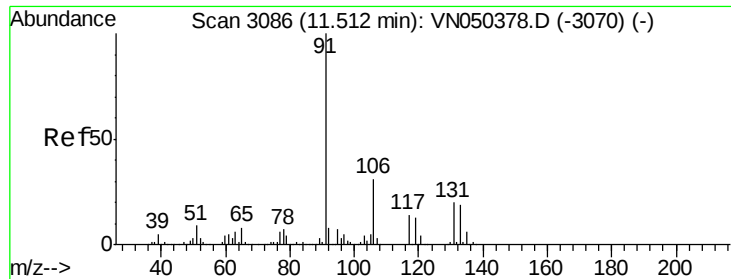
Tot Ion:112 Resp: 408551
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.44 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion:131 Resp: 156149
Ion Ratio Lower Upper
131 100
133 96.2 47.3 141.9
119 65.0 32.9 98.7

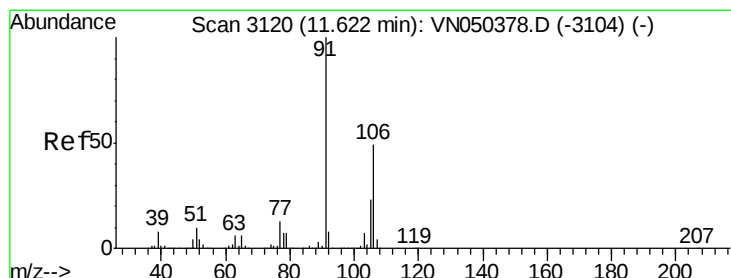
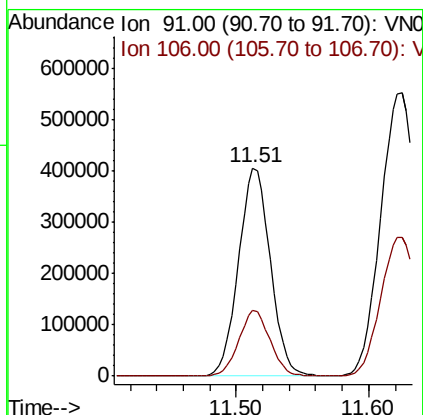
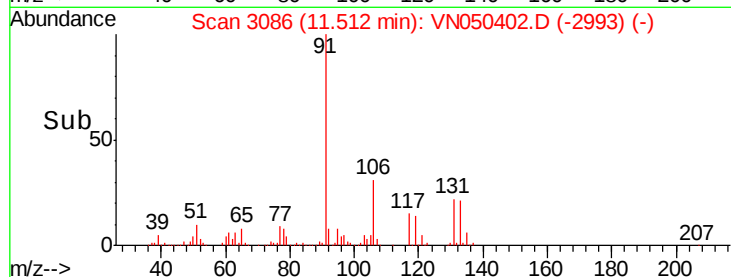
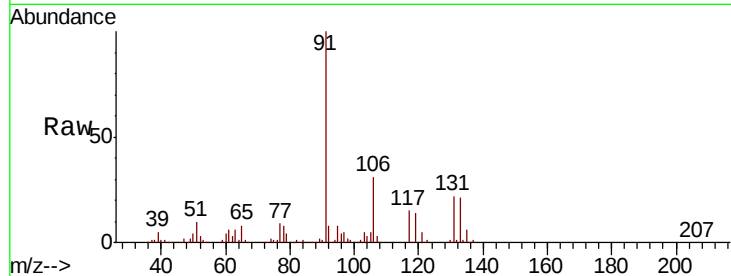




#67
Ethyl Benzene
Concen: 19.98 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

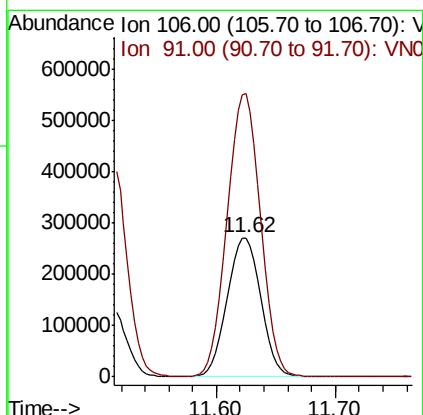
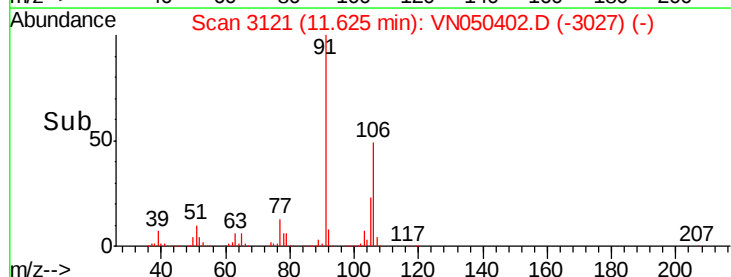
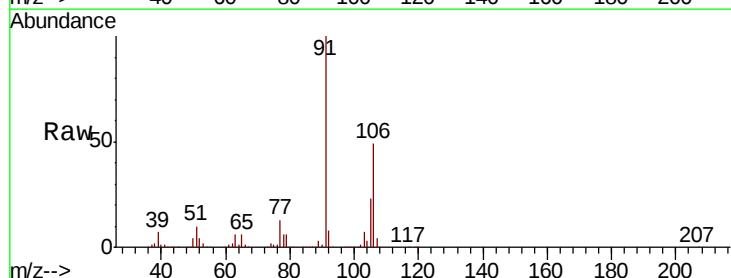
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

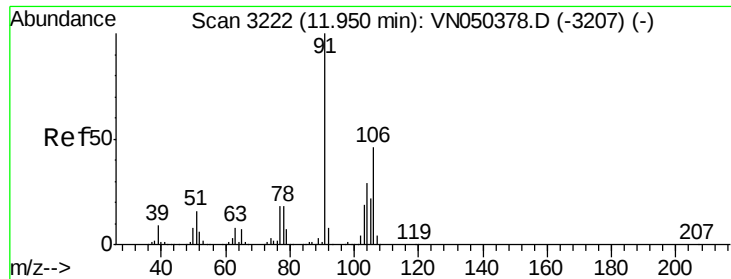
Tot Ion: 91 Resp: 677832
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4



#68
m/p-Xylenes
Concen: 41.31 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 106 Resp: 533460
Ion Ratio Lower Upper
106 100
91 201.7 162.2 243.2

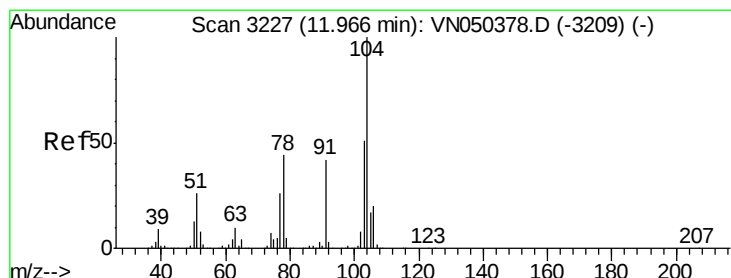
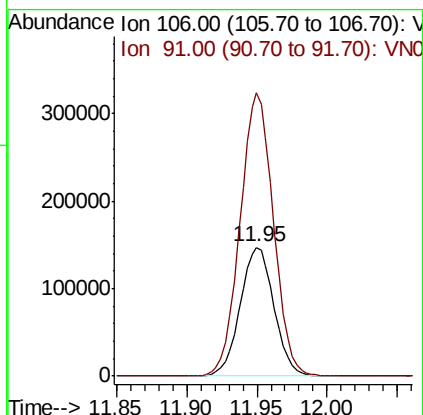
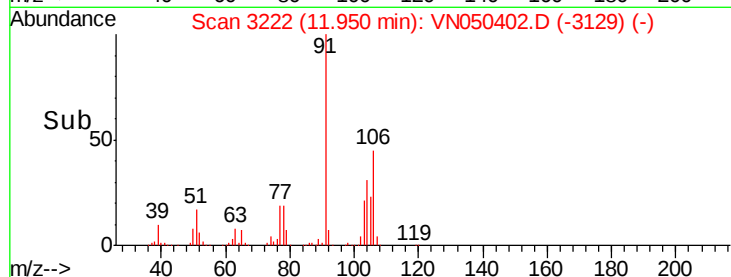
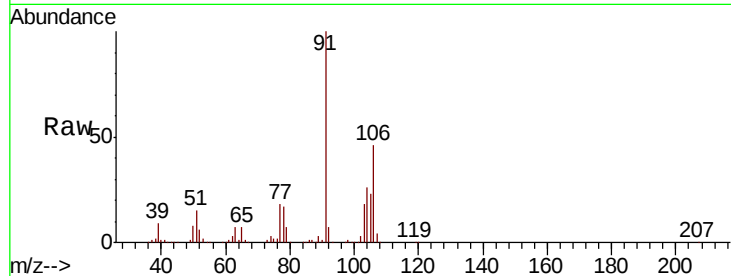




#69
o-Xylene
Concen: 19.84 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

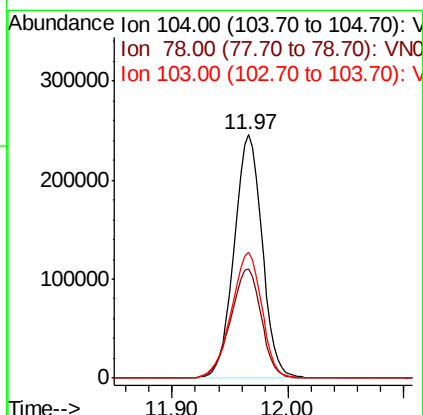
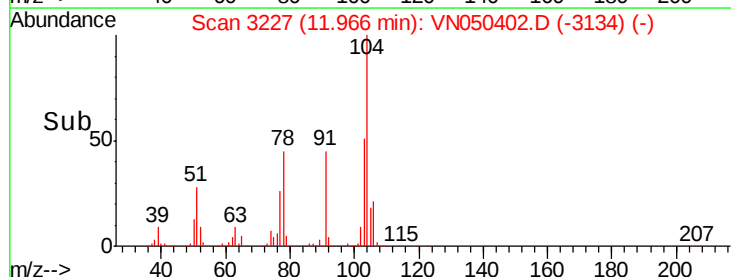
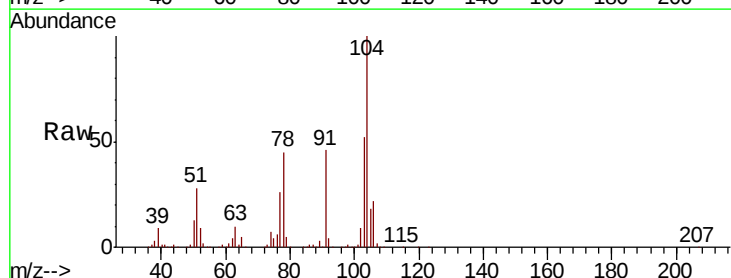
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

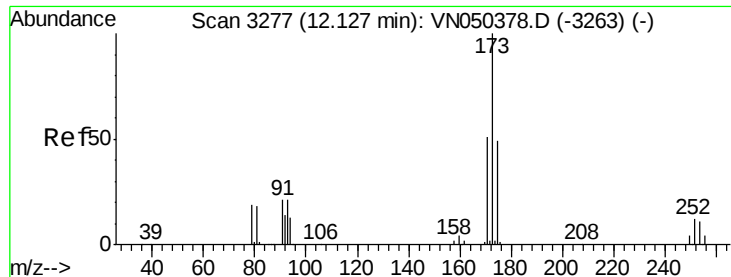
Tot Ion:106 Resp: 246793
Ion Ratio Lower Upper
106 100
91 217.4 107.7 323.1



#70
Styrene
Concen: 20.30 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion:104 Resp: 410760
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 56.2 45.0 67.6





#71

Bromoform

Concen: 20.62 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

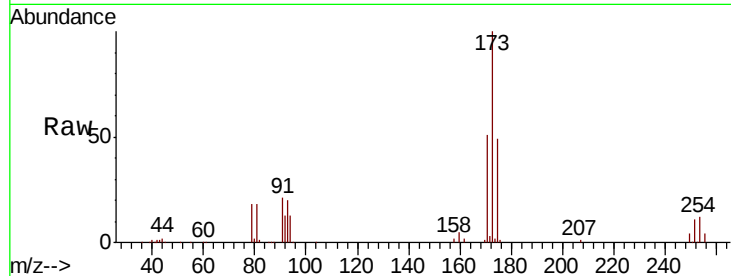
Tot Ion:173 Resp: 115105

Ion Ratio Lower Upper

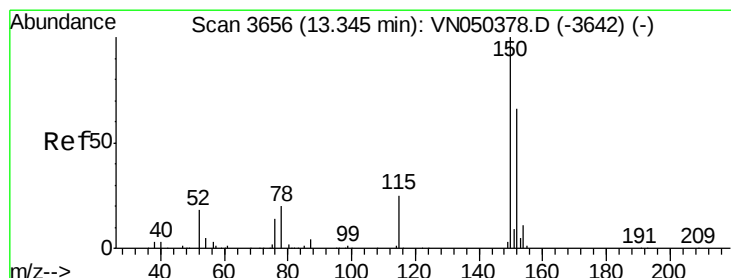
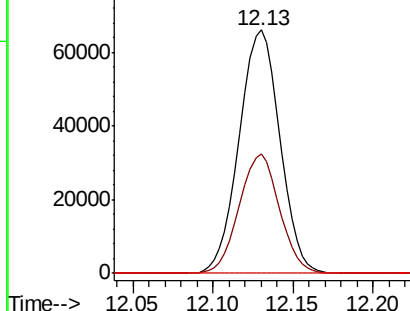
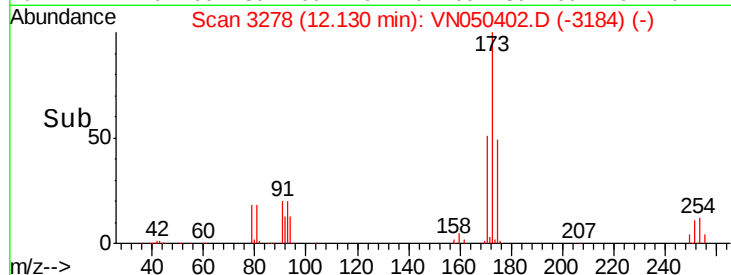
173 100

175 48.2 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: VN050402.D

Acq: 6 Aug 2018 23:44

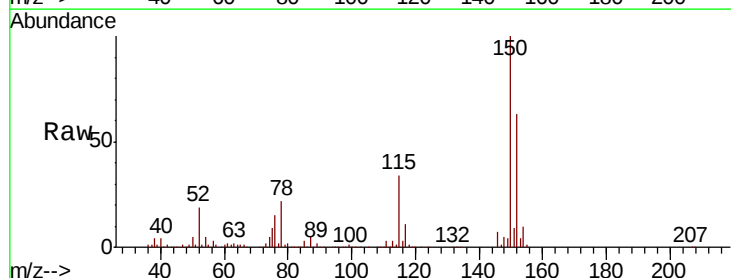
Tgt Ion:152 Resp: 434226

Ion Ratio Lower Upper

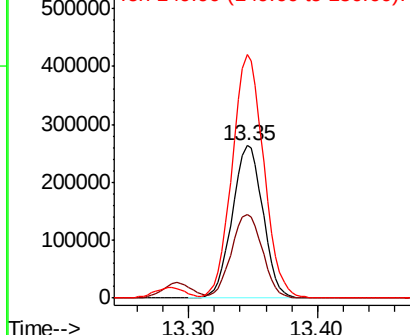
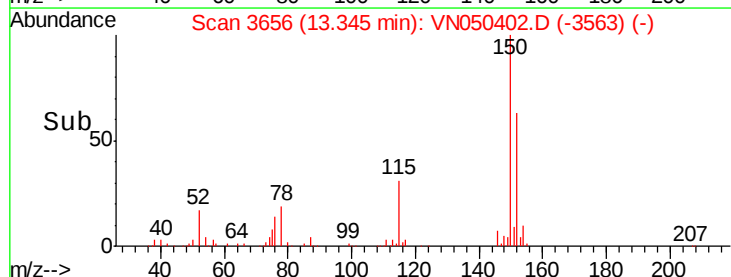
152 100

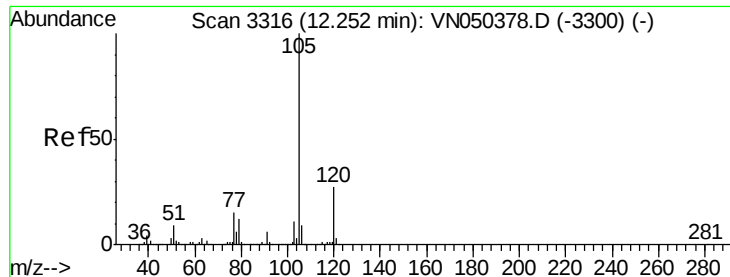
115 55.9 27.8 83.3

150 164.8 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: 20.18 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampled :

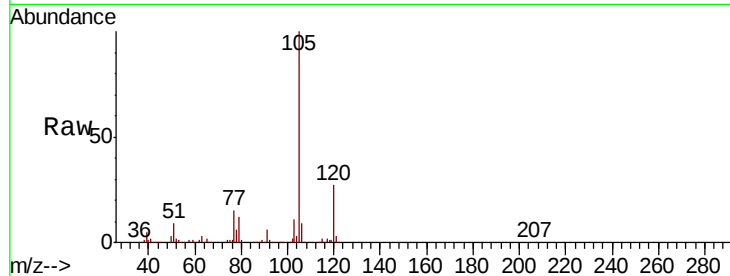
VN0806WBS02

Tot Ion:105 Resp: 657794

Ion Ratio Lower Upper

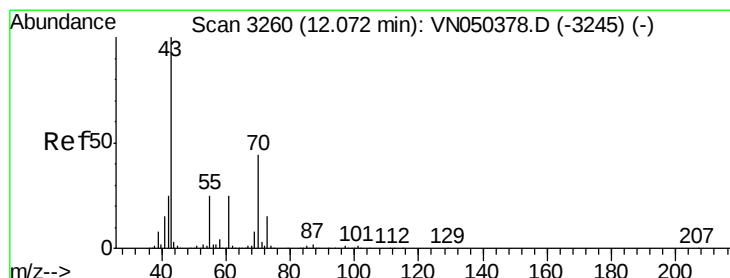
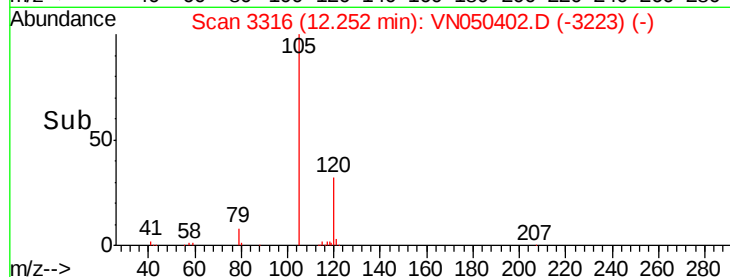
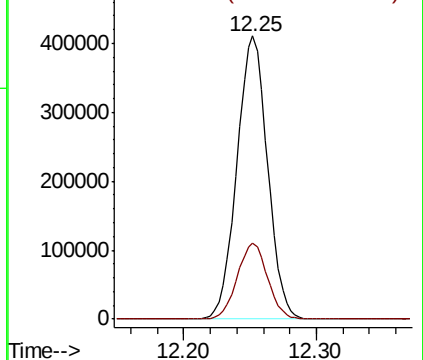
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.09 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion: 43 Resp: 212291

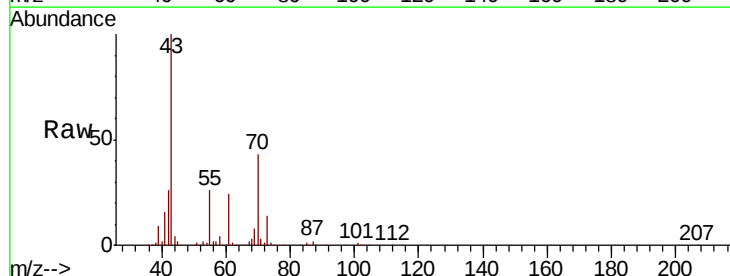
Ion Ratio Lower Upper

43 100

70 43.0 34.4 51.6

55 26.2 20.8 31.2

61 25.0 19.7 29.5

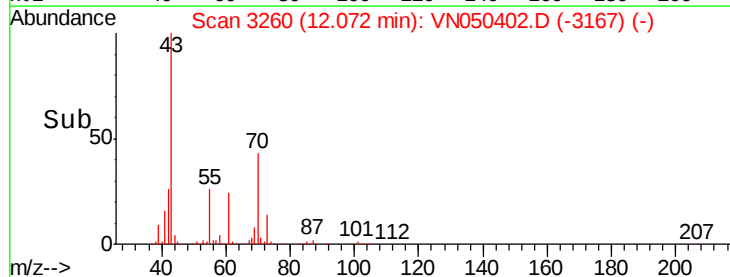
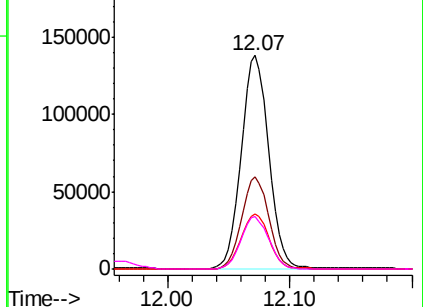


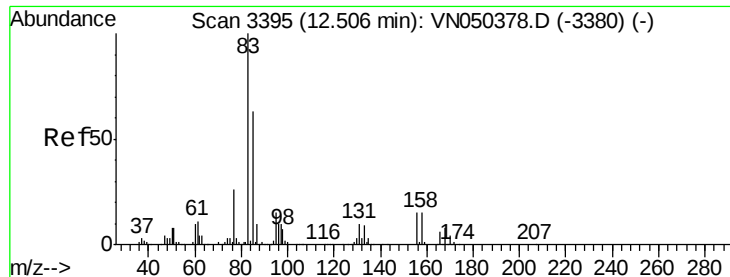
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.80 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

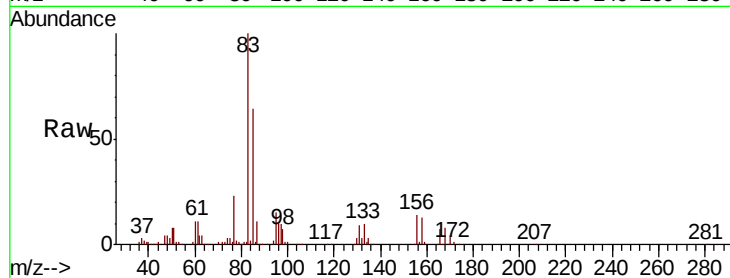
Tot Ion: 83 Resp: 195609

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

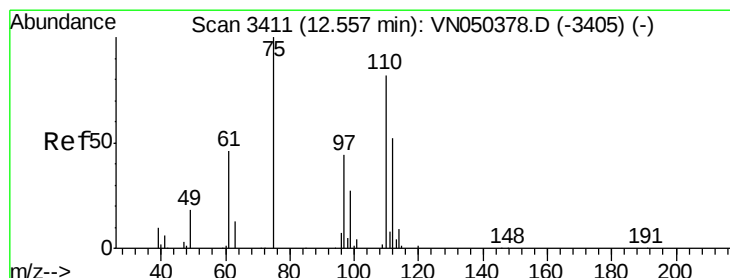
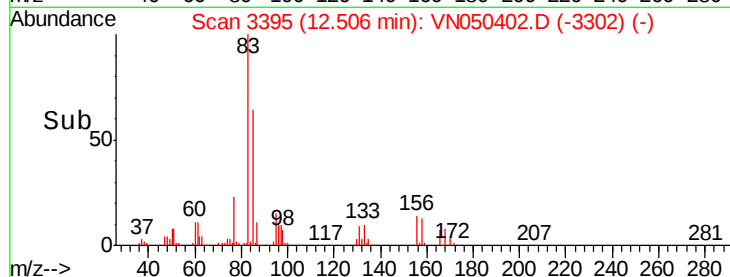
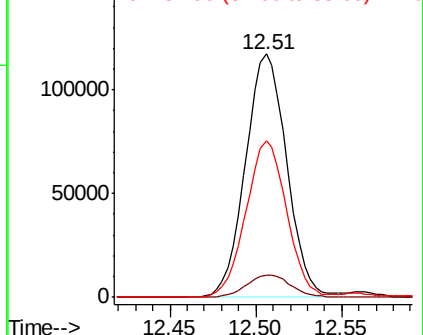
85 63.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.97 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050402.D

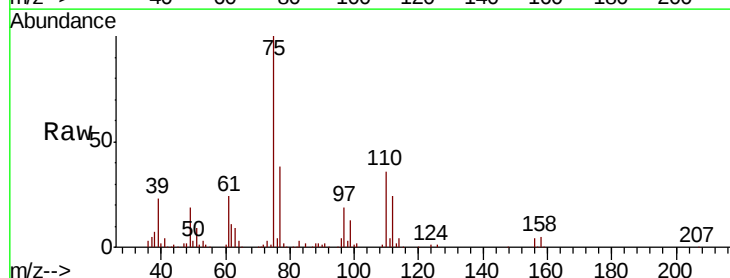
Acq: 6 Aug 2018 23:44

Tgt Ion: 75 Resp: 227723

Ion Ratio Lower Upper

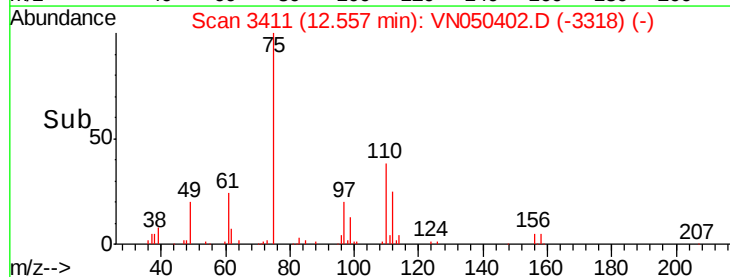
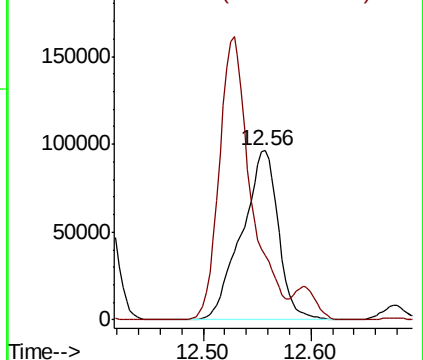
75 100

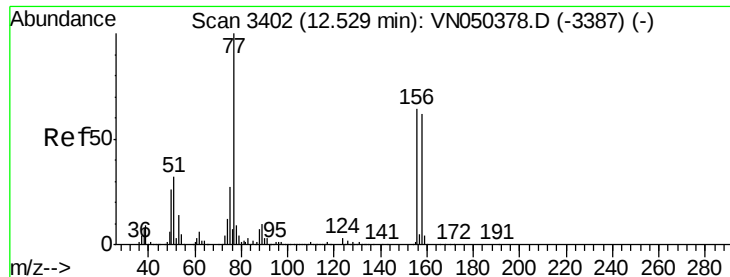
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.37 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

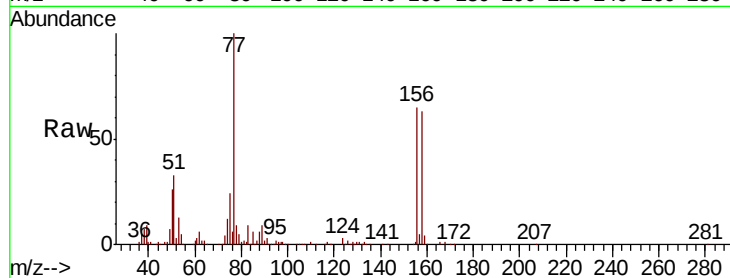
Tot Ion:156 Resp: 177835

Ion Ratio Lower Upper

156 100

77 184.5 91.7 275.1

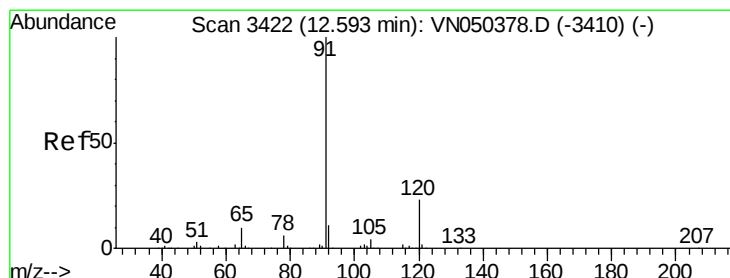
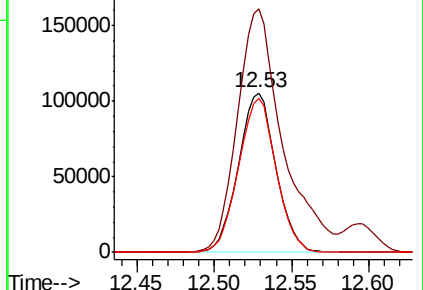
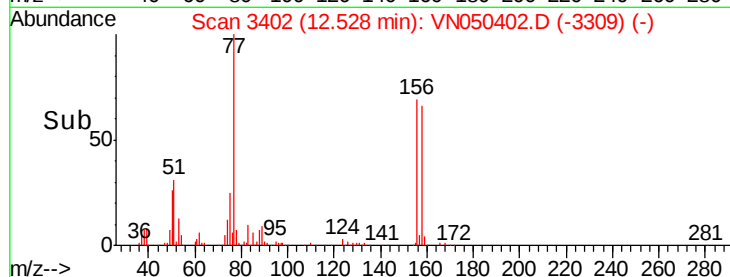
158 96.7 48.9 146.6



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: 20.51 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050402.D

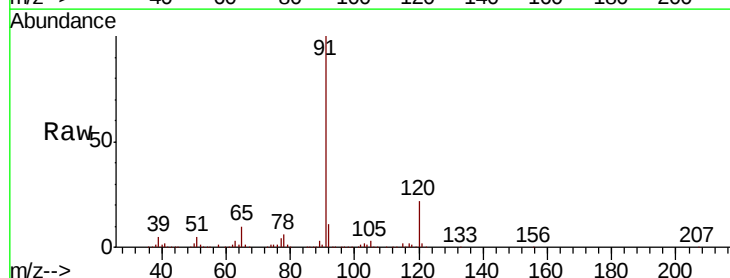
Acq: 6 Aug 2018 23:44

Tgt Ion: 91 Resp: 756727

Ion Ratio Lower Upper

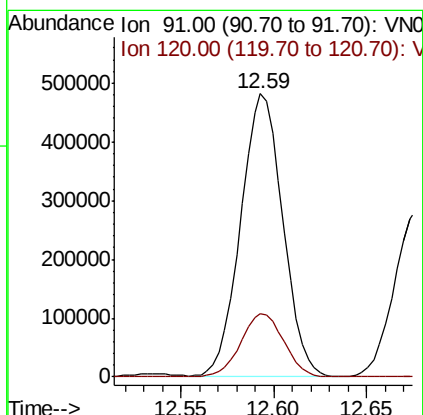
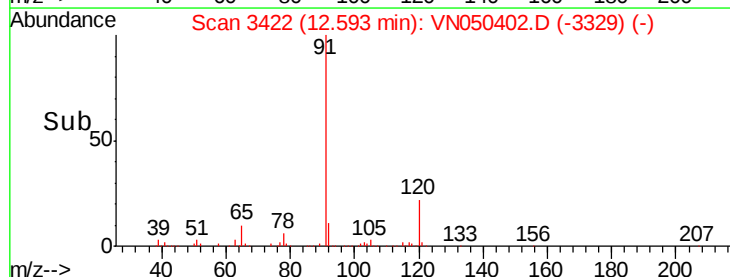
91 100

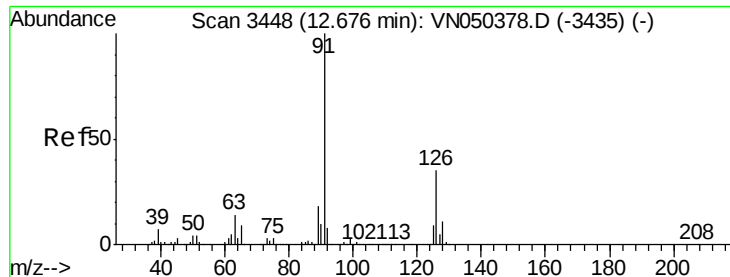
120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.29 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampled :

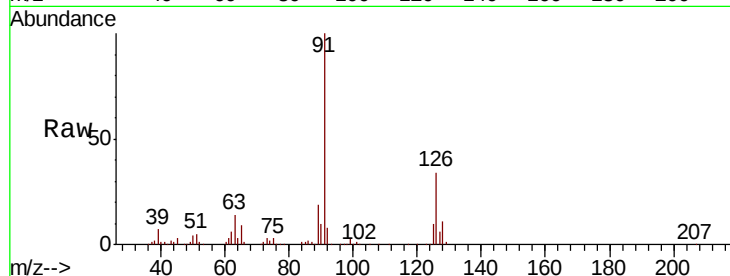
VN0806WBS02

Tot Ion: 91 Resp: 462291

Ion Ratio Lower Upper

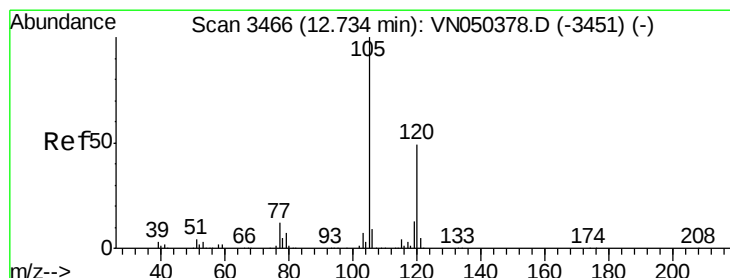
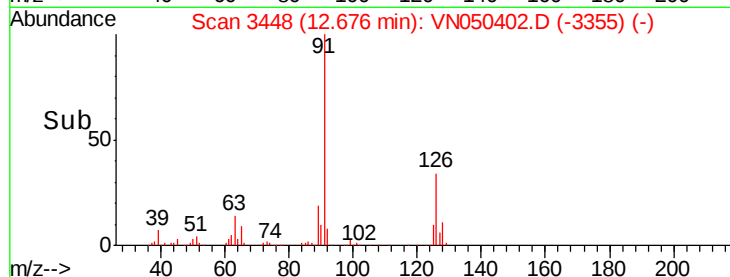
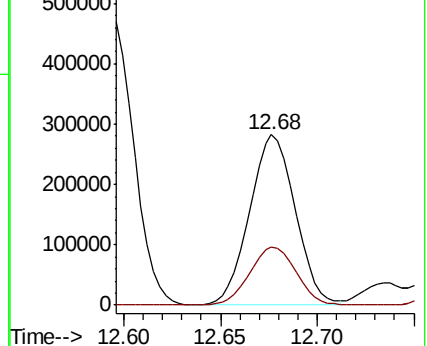
91 100

126 34.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.77 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050402.D

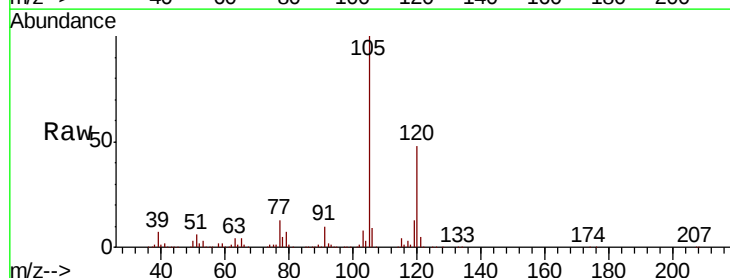
Acq: 6 Aug 2018 23:44

Tgt Ion:105 Resp: 549687

Ion Ratio Lower Upper

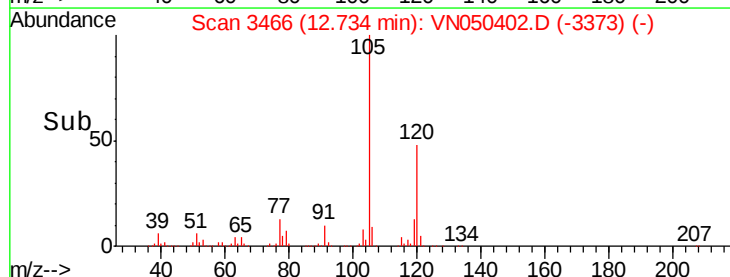
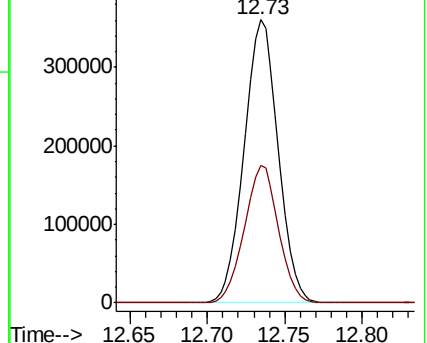
105 100

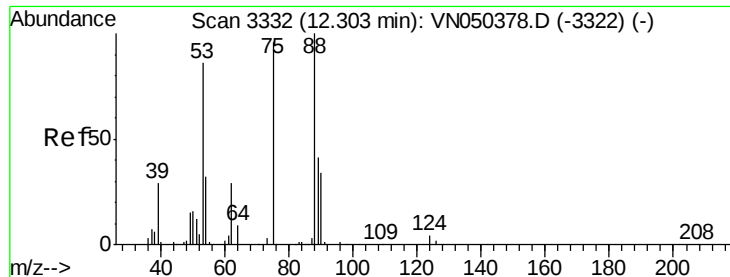
120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

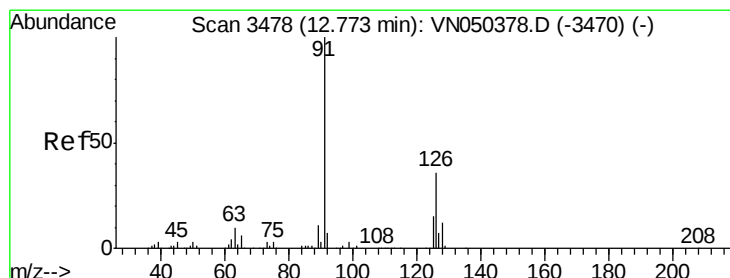
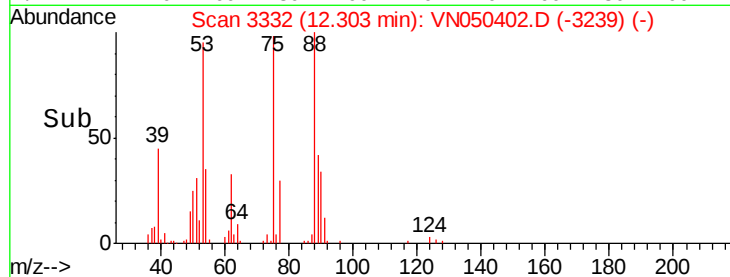
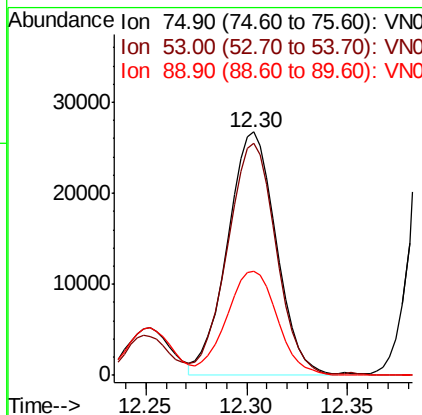
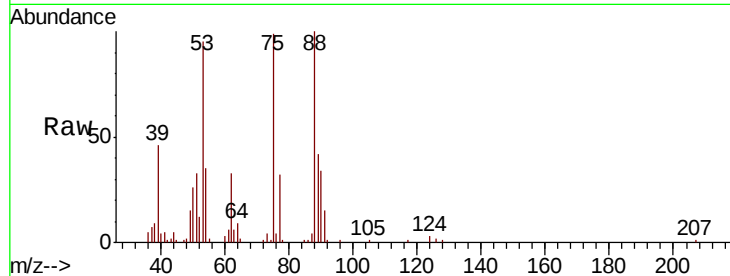




#81
trans-1,4-Dichloro-2-butene
Concen: 20.26 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

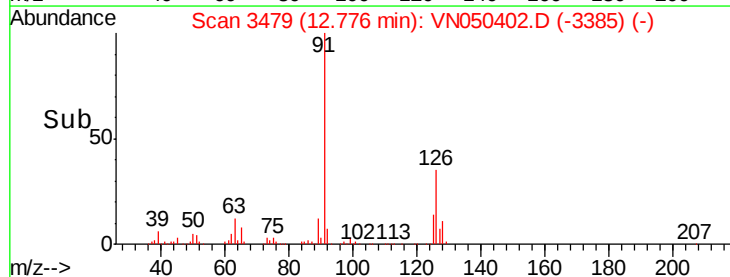
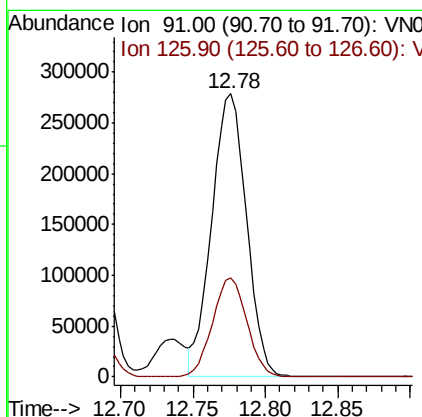
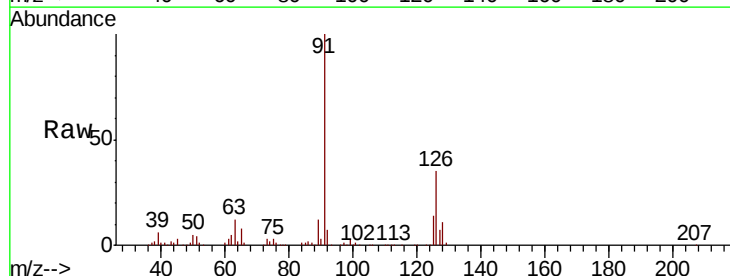
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

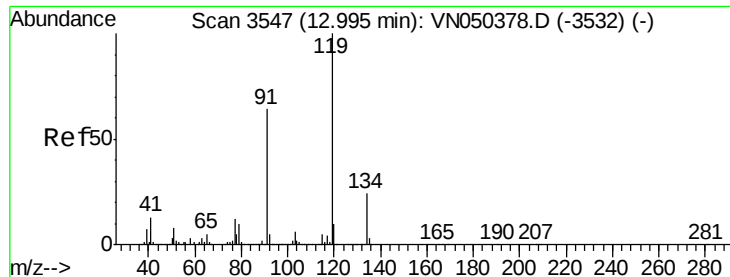
Tot Ion: 75 Resp: 45324
Ion Ratio Lower Upper
75 100
53 94.0 73.5 110.3
89 44.4 36.0 54.0



#82
4-Chlorotoluene
Concen: 20.48 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 91 Resp: 465477
Ion Ratio Lower Upper
91 100
126 34.6 17.0 51.0





#83

tert-Butylbenzene

Concen: 19.85 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

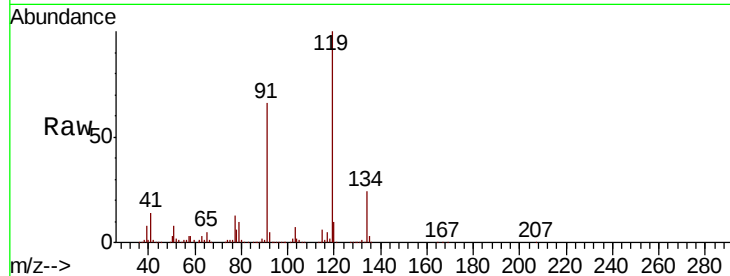
Tot Ion:119 Resp: 458236

Ion Ratio Lower Upper

119 100

91 65.4 32.1 96.3

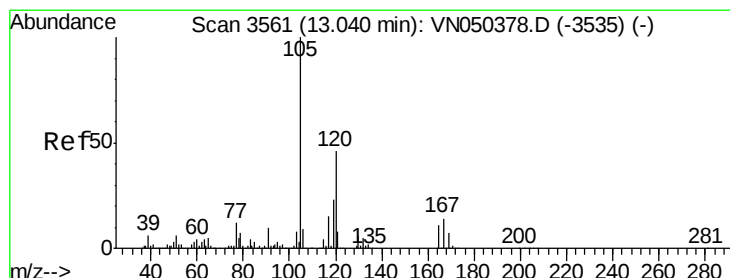
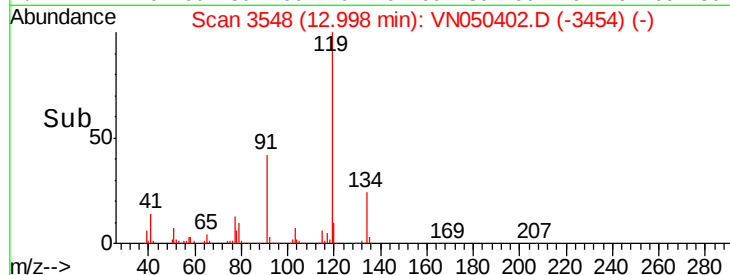
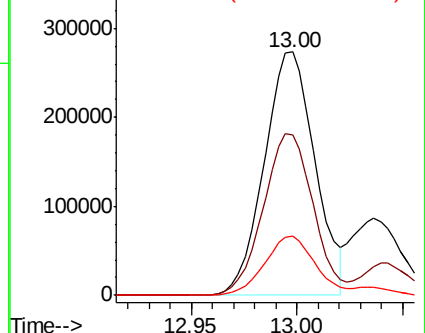
134 24.4 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.84 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050402.D

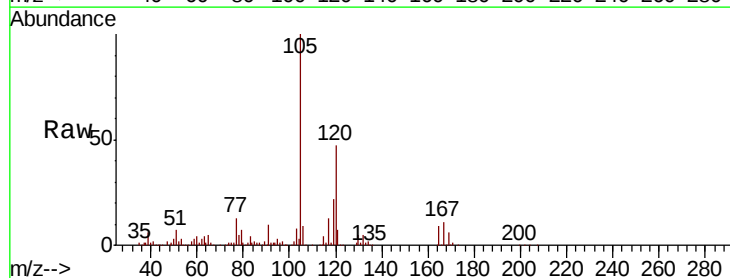
Acq: 6 Aug 2018 23:44

Tgt Ion:105 Resp: 558536

Ion Ratio Lower Upper

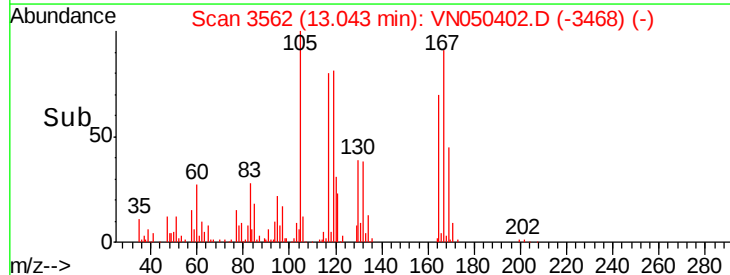
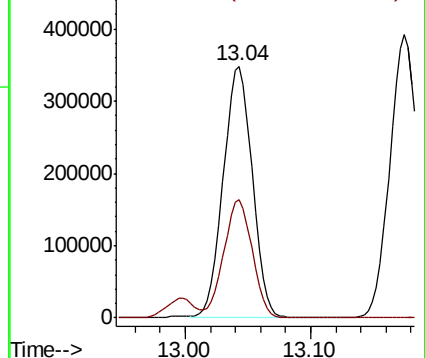
105 100

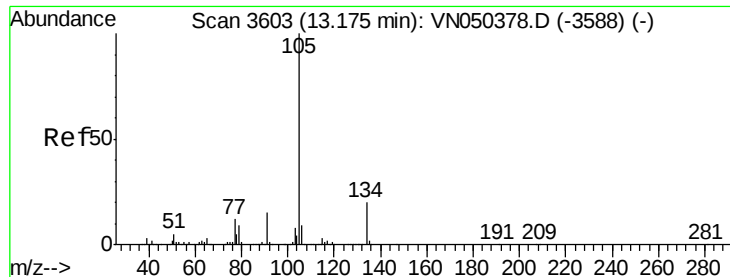
120 46.0 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.25 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

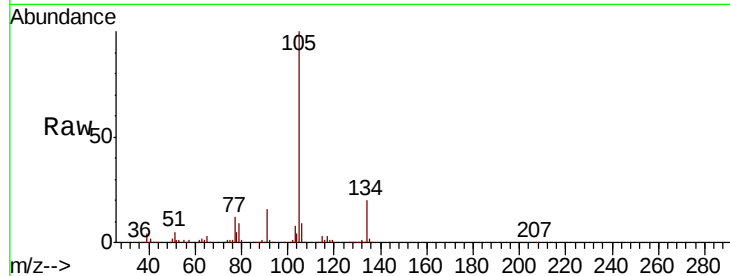
VN0806WBS02

Tot Ion:105 Resp: 622919

Ion Ratio Lower Upper

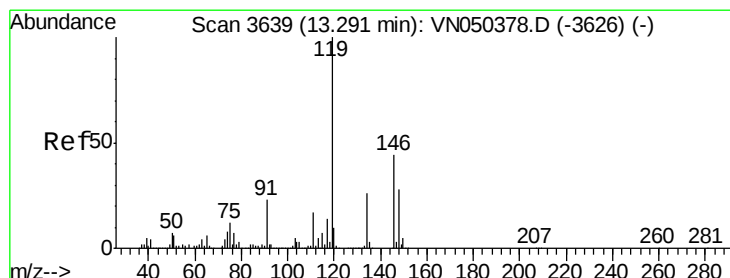
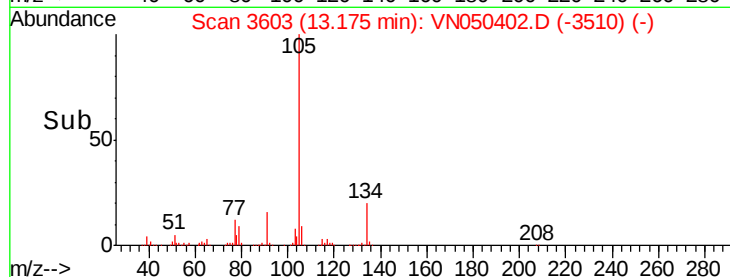
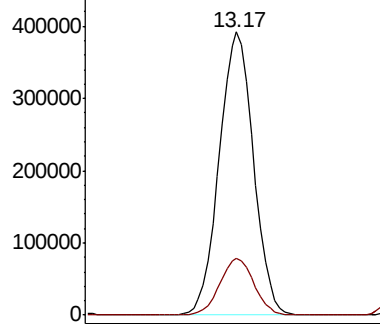
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.06 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

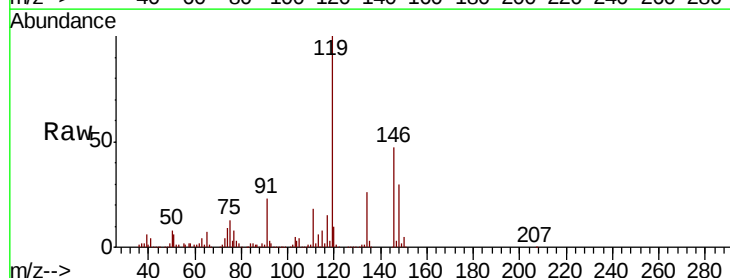
Tgt Ion:119 Resp: 528889

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

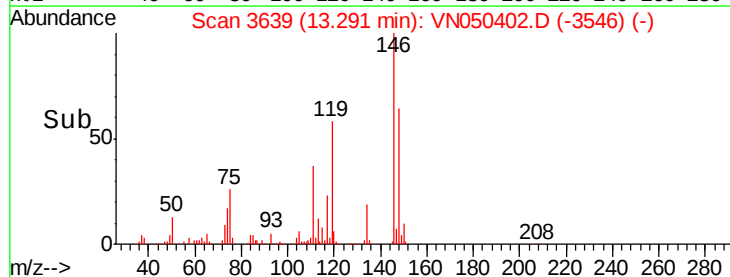
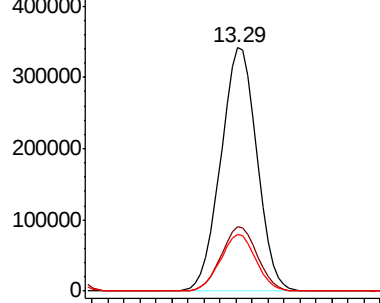
91 22.8 11.4 34.2

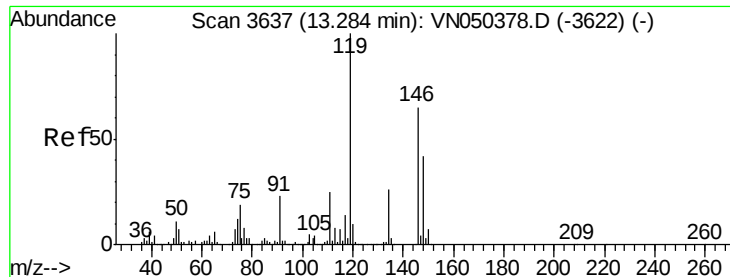


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

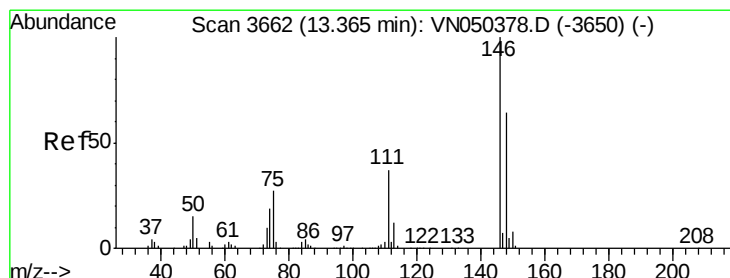
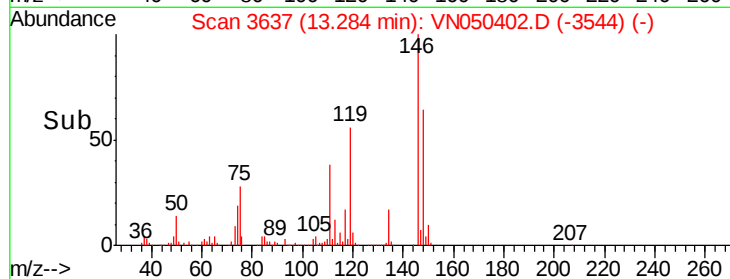
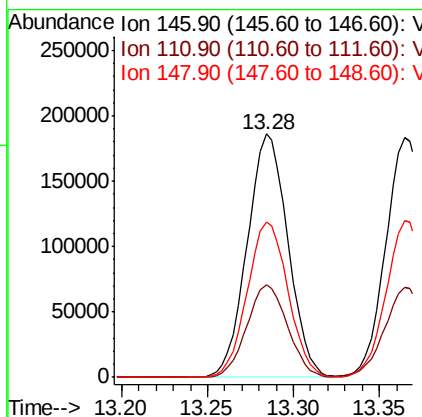
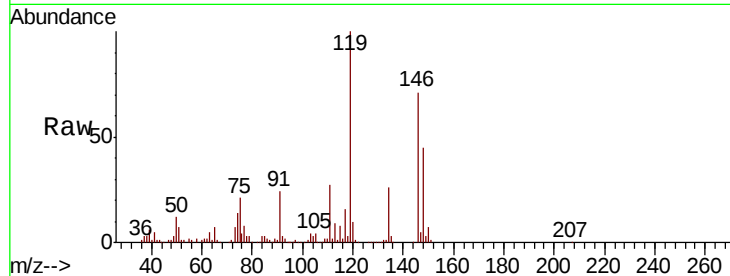




#87
 1,3-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

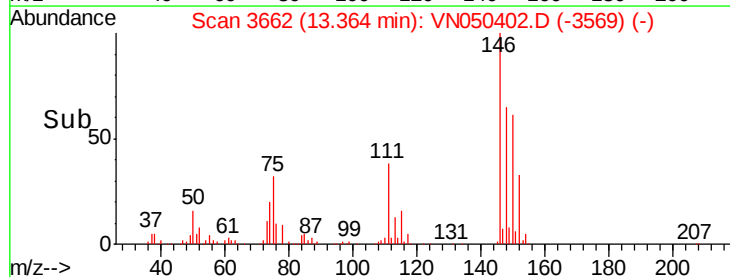
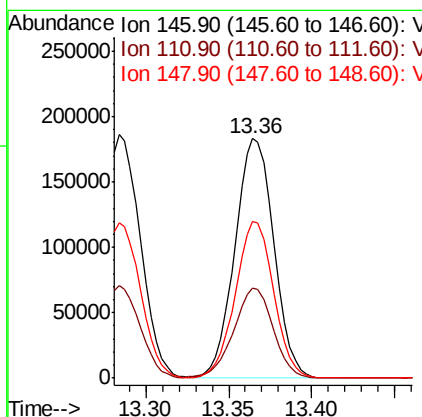
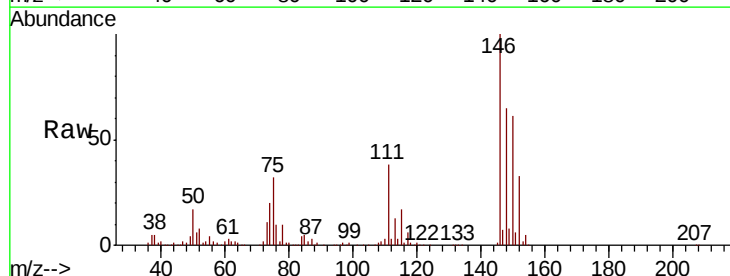
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

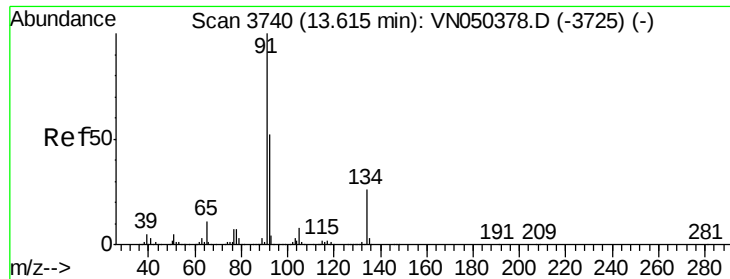
Tot Ion:146 Resp: 305257
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.8 56.4
 148 64.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.27 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion:146 Resp: 299224
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.3 54.9
 148 64.4 31.9 95.9





#89

n-Butylbenzene

Concen: 18.18 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

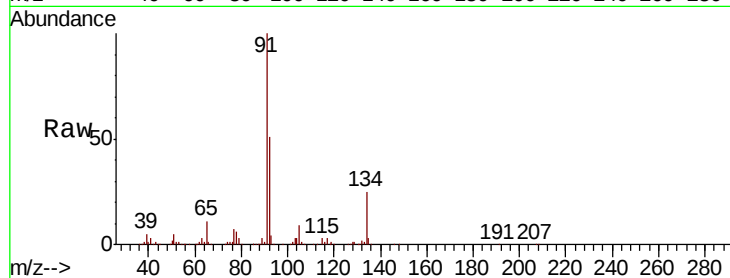
Tot Ion: 91 Resp: 408076

Ion Ratio Lower Upper

91 100

92 50.8 25.8 77.4

134 25.1 12.8 38.4

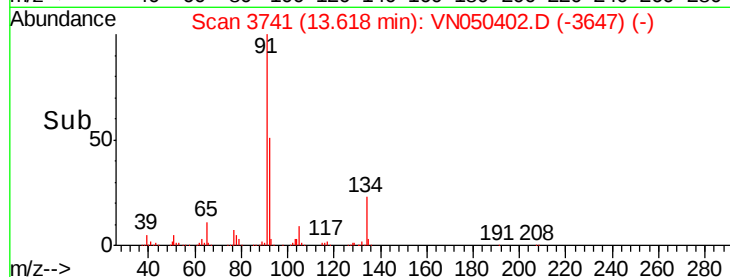


Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050378.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050378.D (-3725) (-)

Time-->

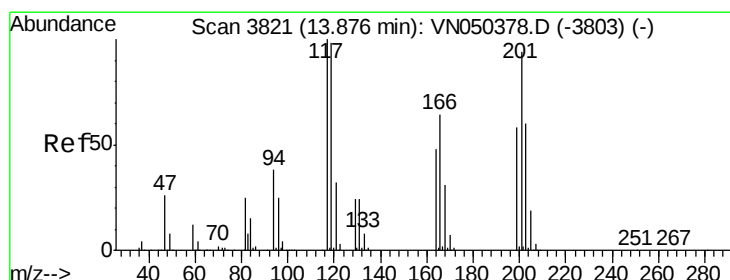


Abundance Ion 91.00 (90.70 to 91.70): VN050402.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN050402.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN050402.D (-3647) (-)

Time-->



#90

Hexachloroethane

Concen: 19.89 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050402.D

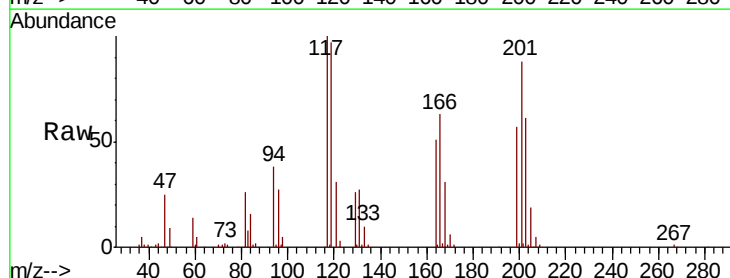
Acq: 6 Aug 2018 23:44

Tgt Ion: 117 Resp: 93257

Ion Ratio Lower Upper

117 100

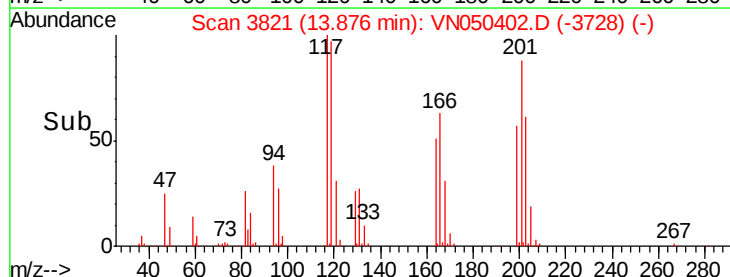
201 91.5 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-3803) (-)

Ion 200.70 (200.40 to 201.40): VN050378.D (-3803) (-)

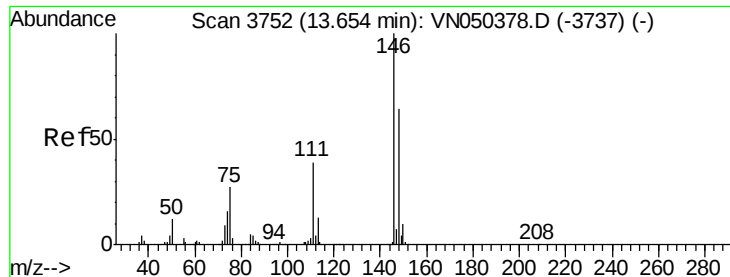
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN050402.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050402.D (-3728) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 19.58 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

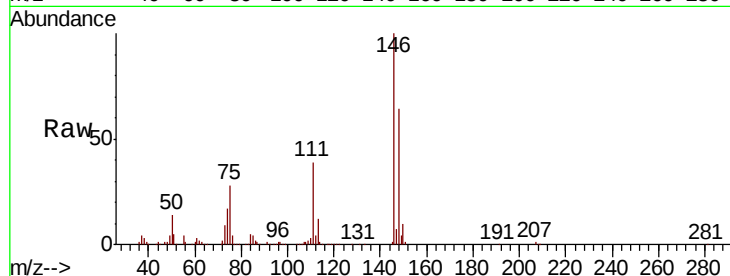
Tot Ion:146 Resp: 305267

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.7

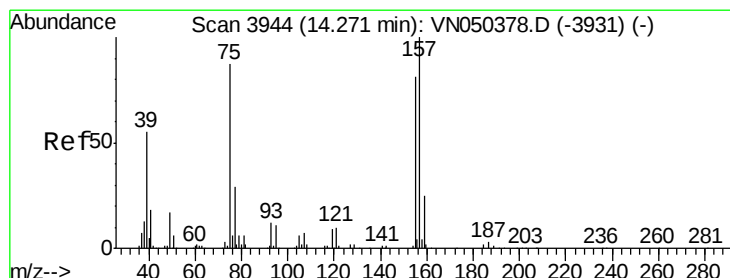
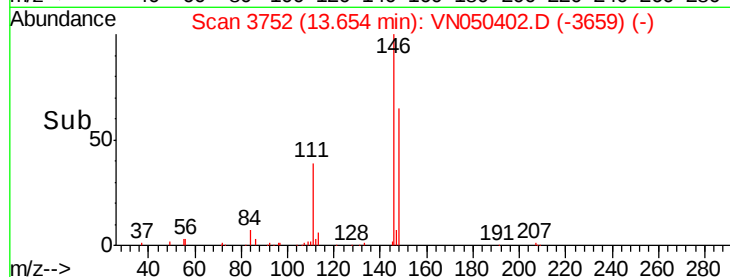
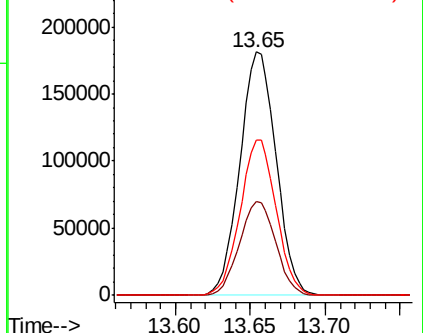
148 63.4 32.1 96.3



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: 18.64 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

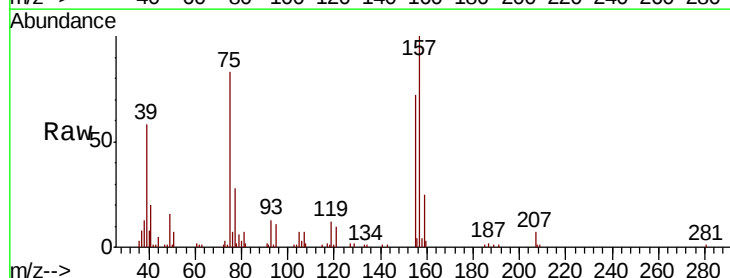
Tgt Ion: 75 Resp: 29767

Ion Ratio Lower Upper

75 100

155 91.6 44.8 134.4

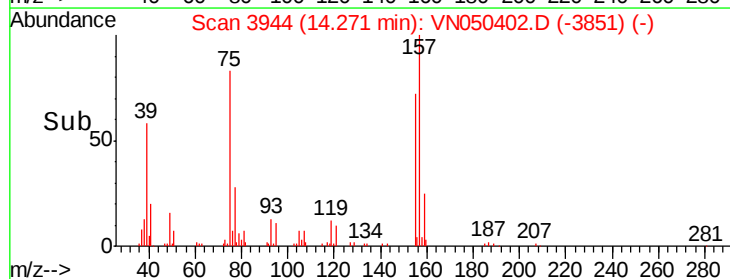
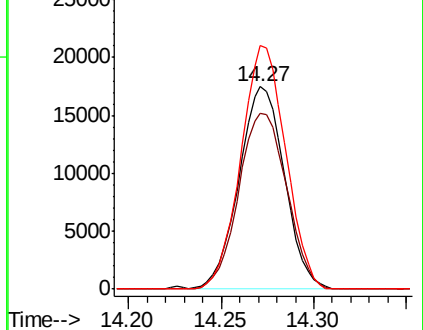
157 118.3 57.2 171.6

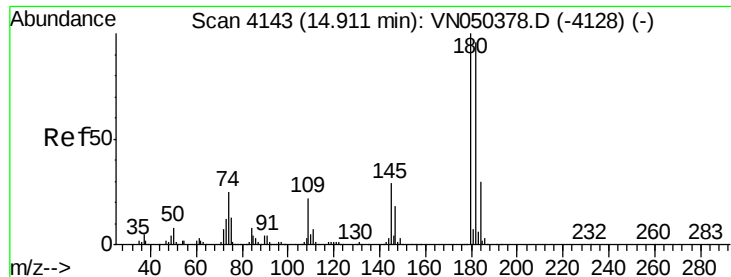


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

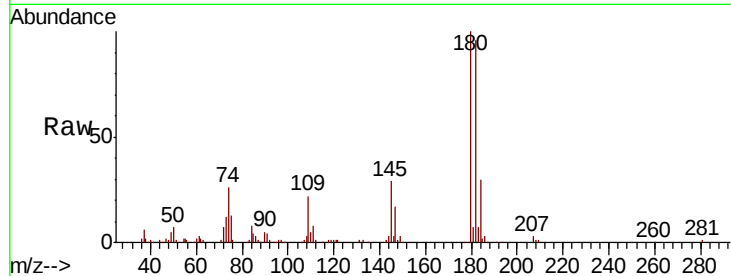




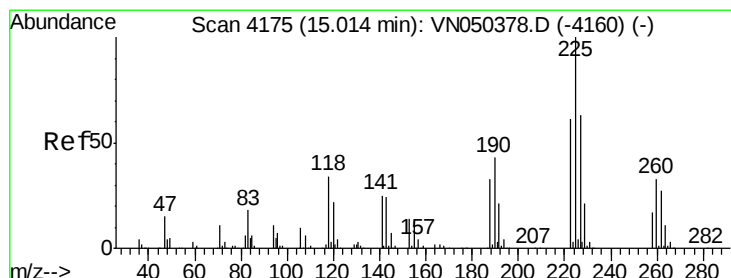
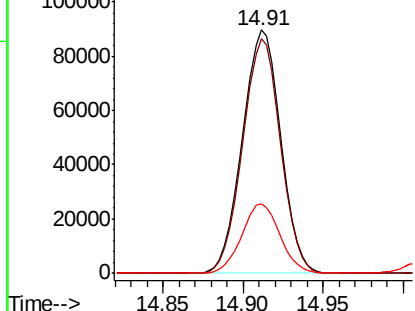
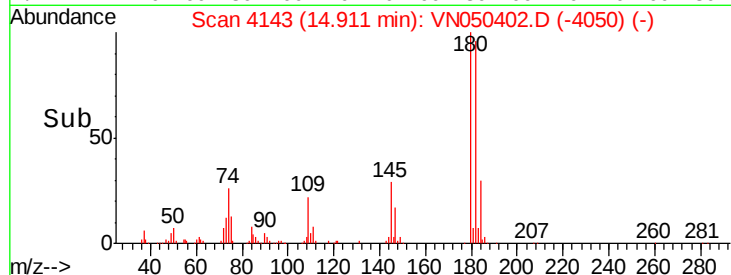
#93
 1,2,4-Trichlorobenzene
 Concen: 18.44 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion:180 Resp: 146469
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.7 140.1
 145 28.3 13.8 41.4

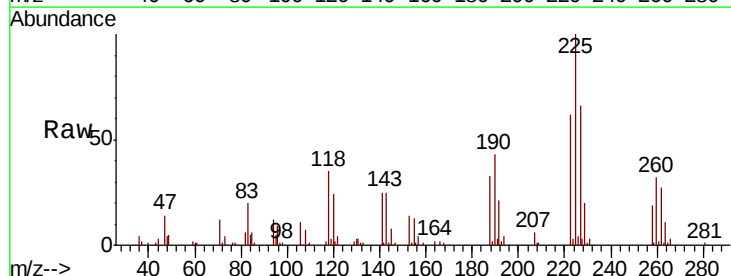


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

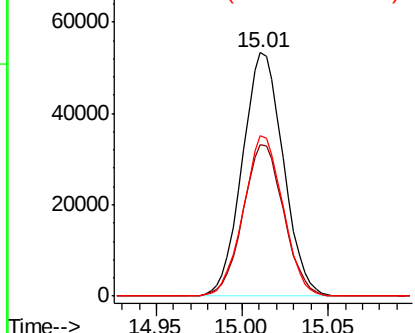
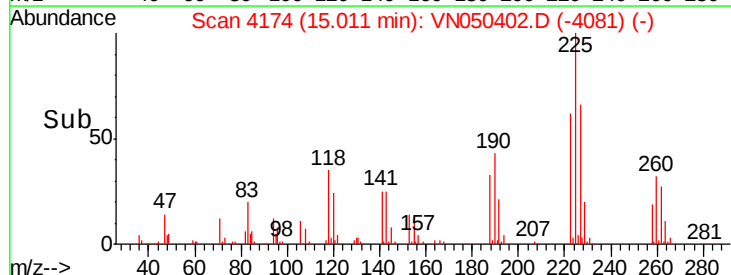


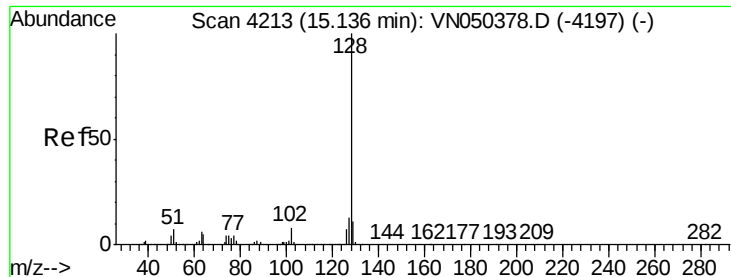
#94
 Hexachlorobutadiene
 Concen: 19.28 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion:225 Resp: 88014
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.4 94.2
 227 63.4 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.34 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

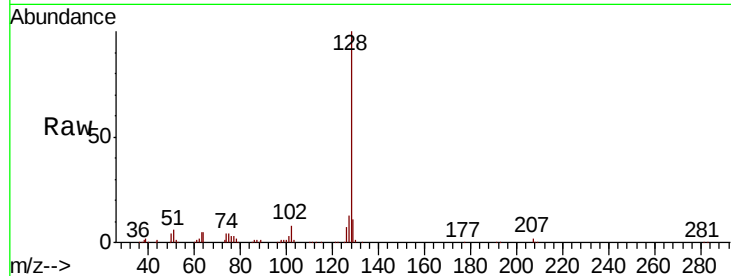
Tot Ion:128 Resp: 333589

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

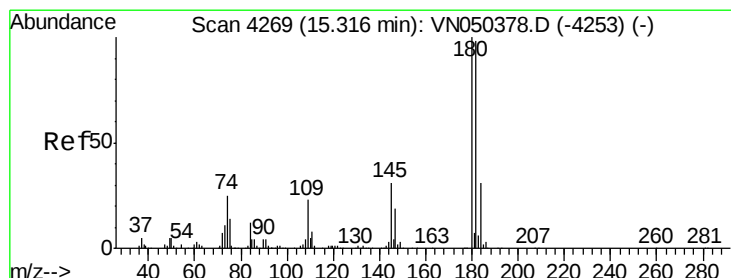
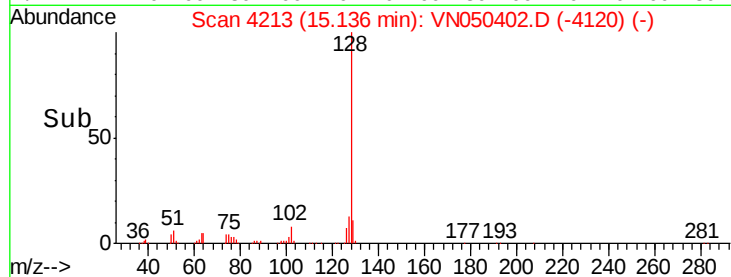
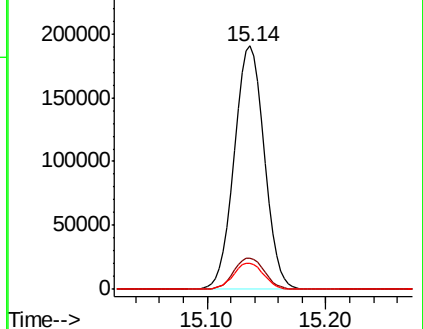
129 10.9 8.8 13.2



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: 18.27 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

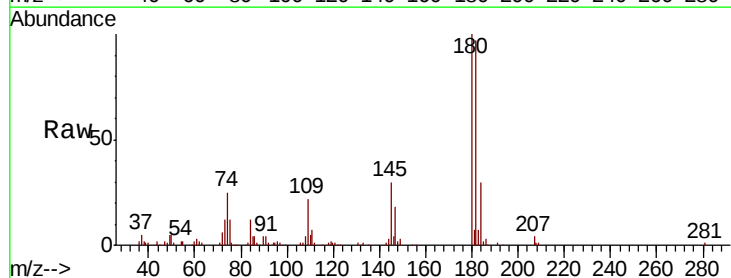
Tgt Ion:180 Resp: 146646

Ion Ratio Lower Upper

180 100

182 96.3 48.1 144.4

145 30.5 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

