

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050206.D
 Acq On : 31 Jul 2018 10:26
 Operator : MD\SY
 Sample : VN0731WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Quant Time: Jul 31 17:38:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	125165	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	655278	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	573129	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	257767	30.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.40	95	253800	28.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.07%
63) Toluene-d8	10.09	98	820376	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	158436	18.37	ug/l	98
3) Chloromethane	2.06	50	155766	17.52	ug/l	99
4) Vinyl Chloride	2.18	62	167142	17.65	ug/l	97
5) Bromomethane	2.56	94	56944	9.87	ug/l	98
6) Chloroethane	2.70	64	99955	17.85	ug/l	99
7) Trichlorofluoromethane	3.01	101	224635	18.16	ug/l	99
8) Diethyl Ether	3.41	74	80340	19.36	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138345	18.38	ug/l	98
10) 1,1-Dichloroethene	3.73	96	118332	17.73	ug/l	98
11) Methyl Iodide	3.95	142	59472	6.06	ug/l	97
12) Methyl Acetate	4.33	43	175728	22.99	ug/l	97
13) Acrolein	3.61	56	16836	35.64	ug/l	96
14) Acrylonitrile	4.99	53	249730	97.90	ug/l	99
15) Acetone	3.82	58	65758	97.00	ug/l	98
16) Carbon Disulfide	4.05	76	336765	16.49	ug/l	100
17) Allyl chloride	4.33	41	196115	18.61	ug/l	99
18) Methylene Chloride	4.55	84	149890	19.46	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	129539	18.13	ug/l	97
20) Diisopropyl ether	5.96	45	440390	20.38	ug/l	99
21) 1,1-Dichloroethane	5.85	63	259054	19.07	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	152763	19.28	ug/l	100
23) tert-Butyl Alcohol	4.80	59	56645	99.38	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	363375	19.97	ug/l	99
25) Chloroform	7.37	83	267870	19.47	ug/l	99
26) Cyclohexane	7.65	56	192376	17.82	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	184690	18.16	ug/l	98
30) 2-Butanone	6.84	43	299789	93.94	ug/l	99
31) 2,2-Dichloropropane	6.83	77	204578	18.20	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	224348	18.74	ug/l	100
33) Carbon Tetrachloride	7.77	117	194730	18.25	ug/l	99
34) Benzene	8.04	78	588772	19.06	ug/l	100
35) Methacrylonitrile	7.18	41	68270	18.79	ug/l	97
36) 1,2-Dichloroethane	8.13	62	195840	19.31	ug/l	99
37) Trichloroethene	8.83	130	149219	18.42	ug/l	97
38) Methylcyclohexane	9.08	83	179424	16.74	ug/l	99
39) 1,2-Dichloropropane	9.12	63	158524	19.48	ug/l	99
40) Dibromomethane	9.21	93	101453	20.18	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	208067	19.62	ug/l	100
42) Vinyl Acetate	5.90	43	1406972	93.69	ug/l	99
43) Ethyl Acetate	6.93	43	128918	19.35	ug/l #	91
44) Isopropyl Acetate	8.17	43	253849	20.56	ug/l	94
45) 1,4-Dioxane	9.20	88	31829	391.84	ug/l	95
46) Methyl methacrylate	9.20	41	114665	19.16	ug/l	98
47) n-amyl Acetate	12.07	43	171561	17.86	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	194202	19.21	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	227016	19.11	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	142377	19.73	ug/l	97
51) Ethyl methacrylate	10.43	69	165124	18.85	ug/l	99
52) 1,3-Dichloropropane	10.71	76	234267	19.77	ug/l	99
53) Dibromochloromethane	10.90	129	156600	19.12	ug/l	99
54) 1,2-Dibromoethane	11.01	107	136581	19.32	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	359018	90.55	ug/l	100
56) Bromoform	12.13	173	106612	18.43	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	677585	101.60	ug/l	100
59) 2-Hexanone	10.75	43	439472	96.59	ug/l	99
61) Tetrachloroethene	10.63	164	140800	18.14	ug/l	97
62) Toluene	10.16	91	622990	19.05	ug/l	99
64) Chlorobenzene	11.43	112	380581	19.19	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	151015	19.53	ug/l	99
66) Ethyl Benzene	11.51	91	616179	18.44	ug/l	100
67) m/p-Xylenes	11.62	106	483312	37.58	ug/l	99
68) o-Xylene	11.95	106	232647	19.01	ug/l	100
69) Styrene	11.96	104	367676	18.74	ug/l	99
70) Isopropylbenzene	12.25	105	607419	18.64	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	176664	19.75	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	210331	27.52	ug/l	49
73) Bromobenzene	12.53	156	160941	18.54	ug/l	96
74) n-propylbenzene	12.59	91	687509	18.12	ug/l	99
75) 2-Chlorotoluene	12.68	91	426144	18.69	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	499355	18.66	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	43001	17.21	ug/l	94
78) 4-Chlorotoluene	12.77	91	420759	18.63	ug/l	99
79) tert-butylbenzene	12.99	119	416270	18.19	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	509660	18.79	ug/l	100
81) sec-Butylbenzene	13.17	105	565454	18.19	ug/l	99
82) p-Isopropyltoluene	13.29	119	475324	17.92	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	272140	18.00	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	255463	17.88	ug/l	99
85) n-Butylbenzene	13.62	91	358591	16.66	ug/l	99
86) Hexachloroethane	13.88	117	93529	17.65	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	274717	18.59	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26745	19.19	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	110694	15.69	ug/l	99
90) Hexachlorobutadiene	15.01	225	81946	17.61	ug/l	97
91) Naphthalene	15.13	128	229632	18.02	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	117343	16.35	ug/l	98

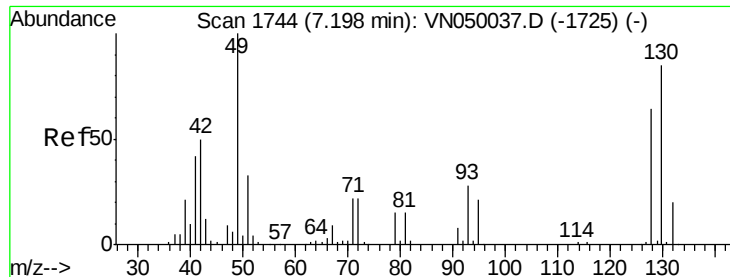
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

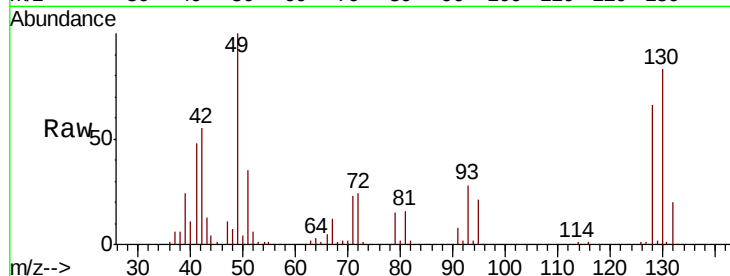
Tot Ion:128 Resp: 125165

Ion Ratio Lower Upper

128 100

49 155.6 0.0 378.3

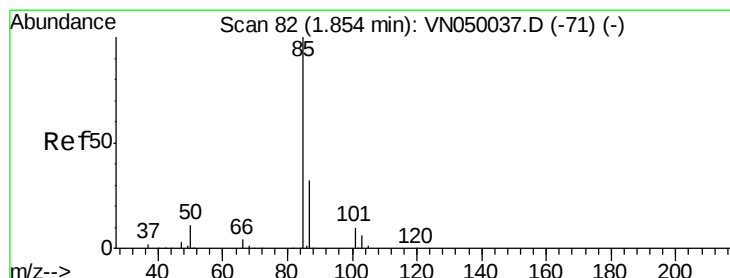
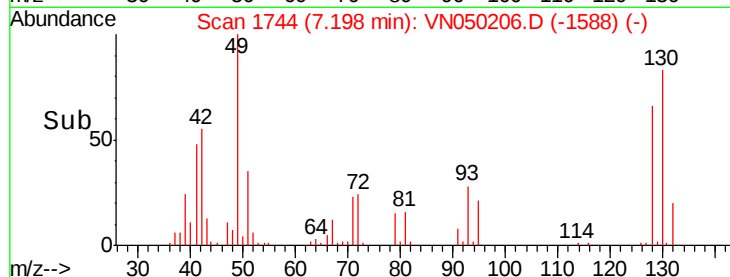
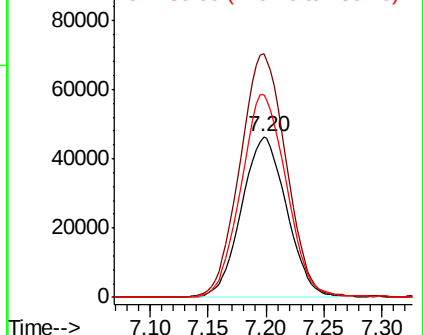
130 127.5 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.37 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050206.D

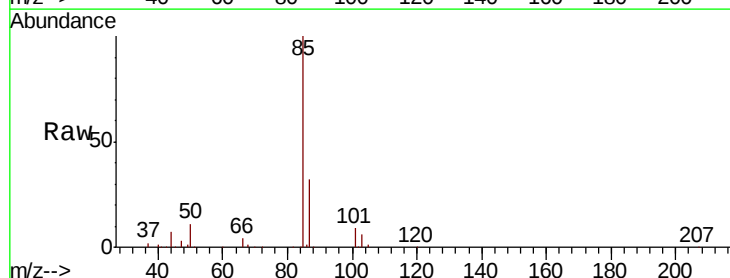
Acq: 31 Jul 2018 10:26

Tgt Ion: 85 Resp: 158436

Ion Ratio Lower Upper

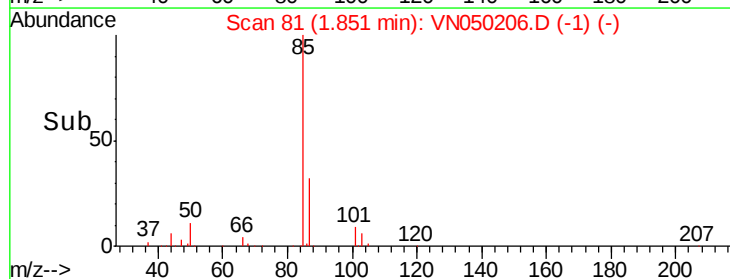
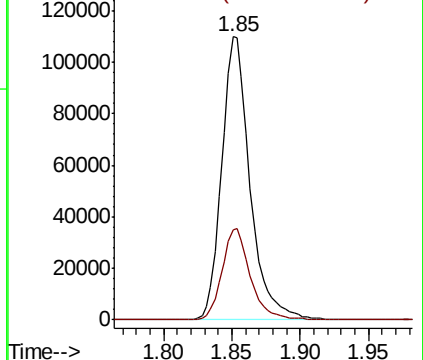
85 100

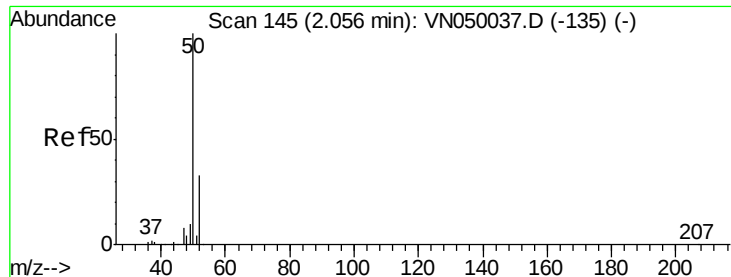
87 32.1 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 17.52 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

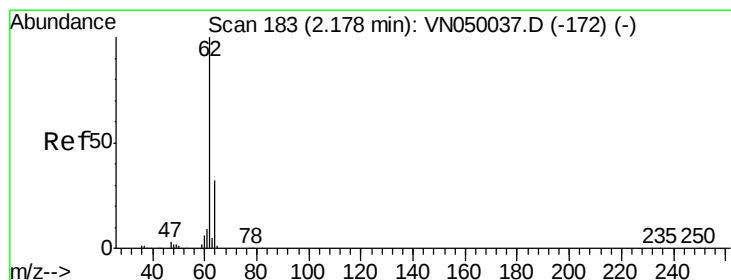
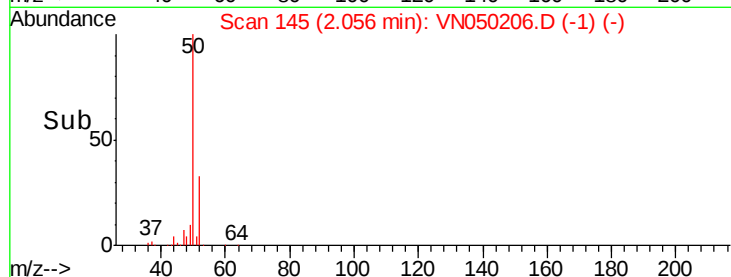
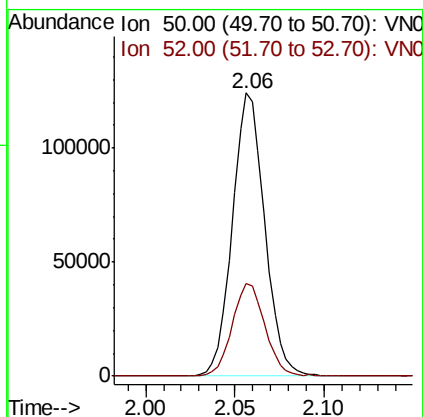
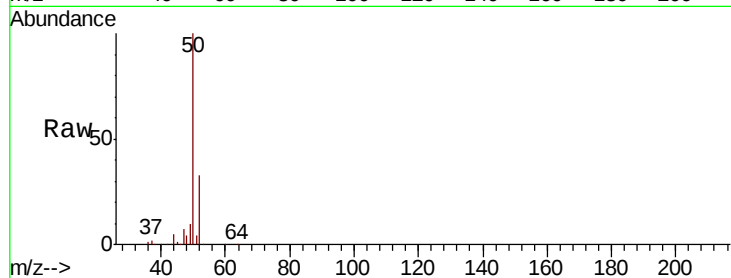
VN0731WBSD01

Tot Ion: 50 Resp: 155766

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



#4

Vinyl Chloride

Concen: 17.65 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050206.D

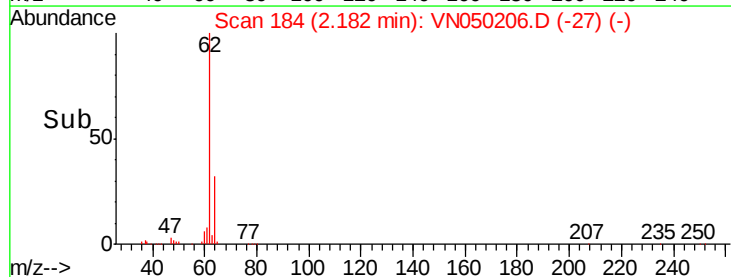
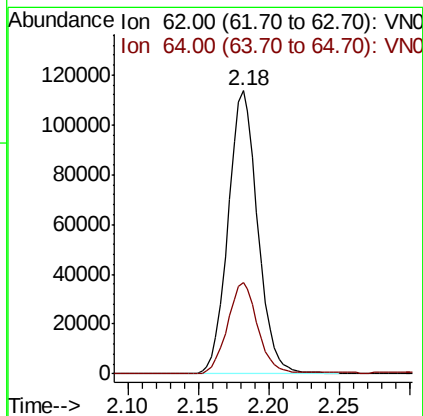
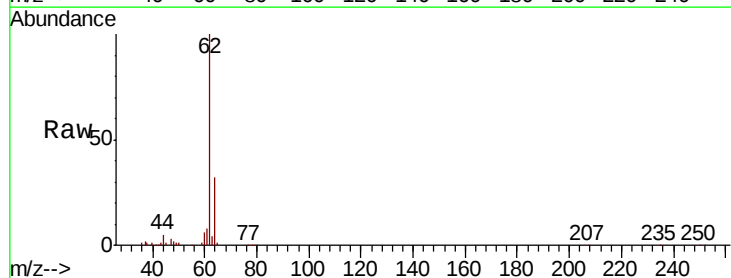
Acq: 31 Jul 2018 10:26

Tgt Ion: 62 Resp: 167142

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 9.87 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

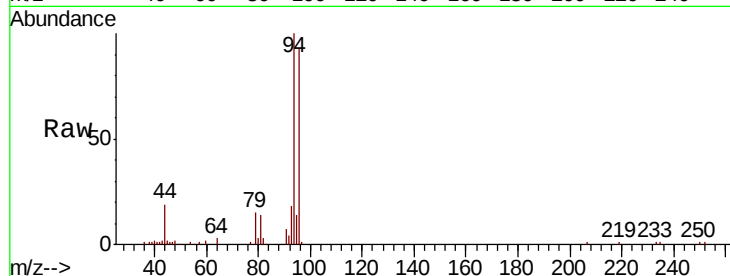
VN0731WBSD01

Tot Ion: 94 Resp: 56944

Ion Ratio Lower Upper

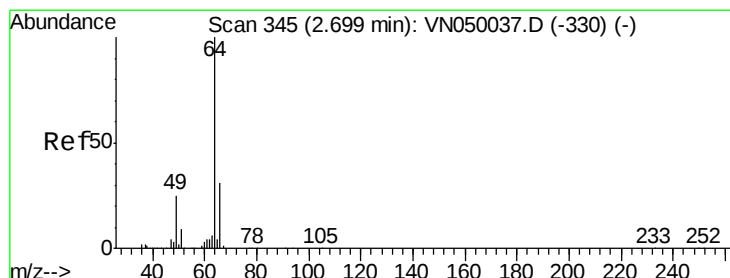
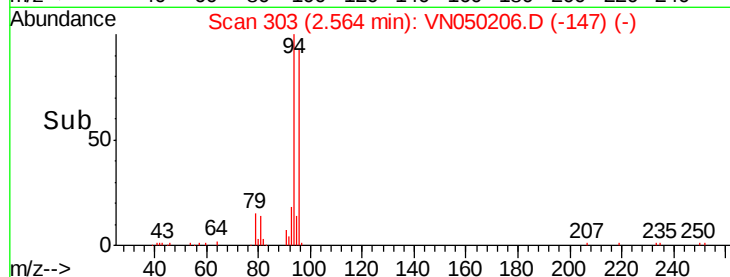
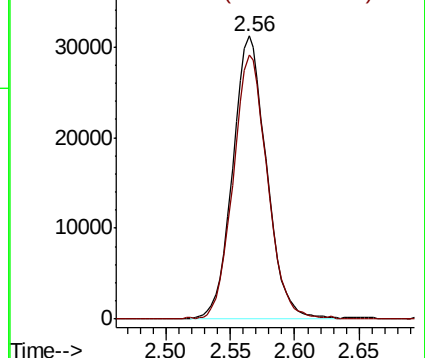
94 100

96 93.3 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.85 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050206.D

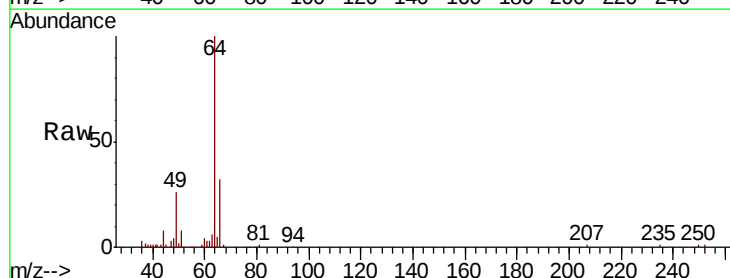
Acq: 31 Jul 2018 10:26

Tgt Ion: 64 Resp: 99955

Ion Ratio Lower Upper

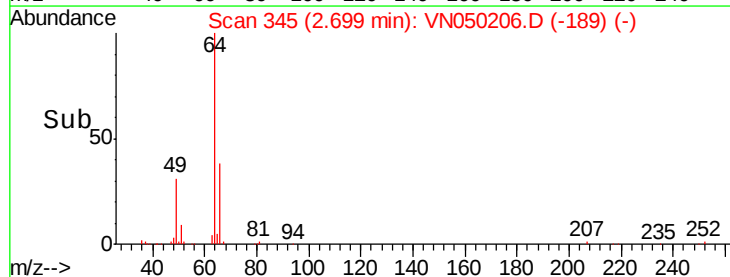
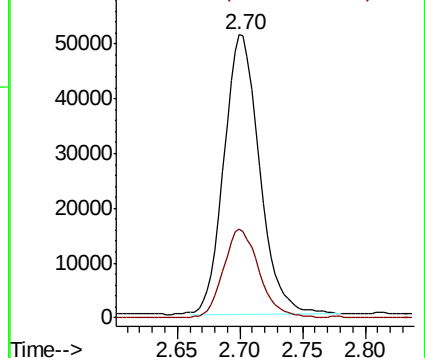
64 100

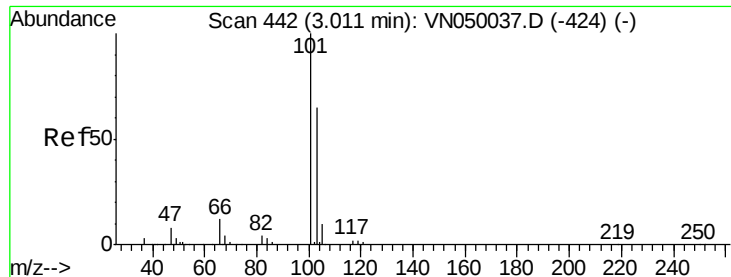
66 31.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



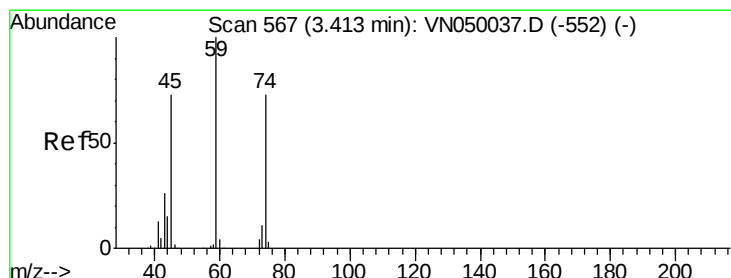
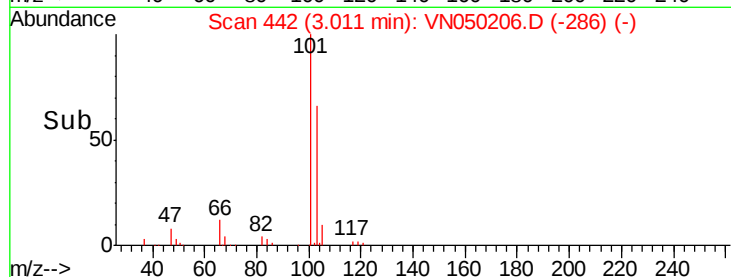
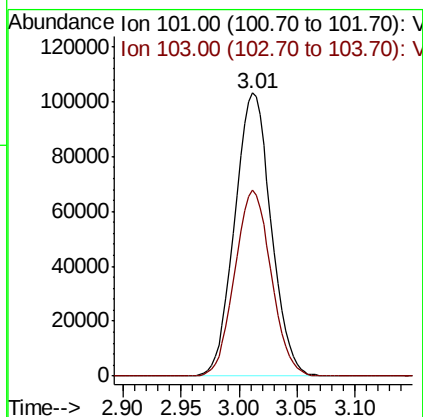
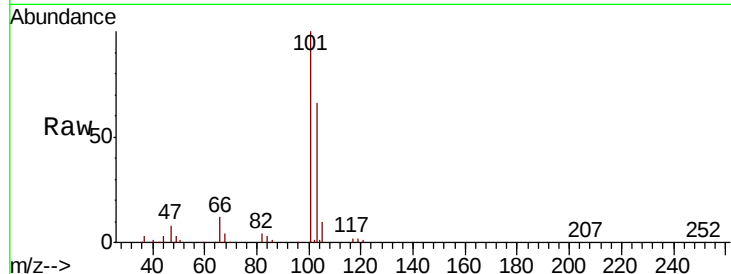


#7

Trichlorofluoromethane
 Concen: 18.16 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
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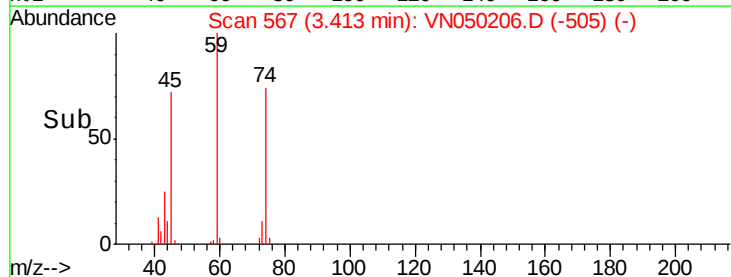
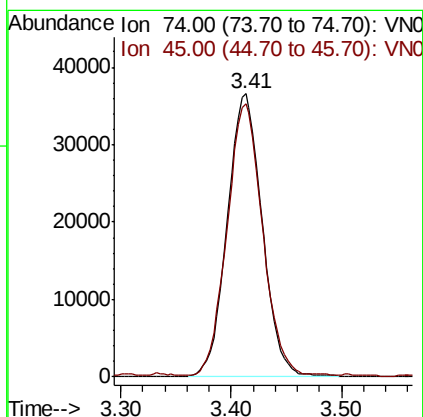
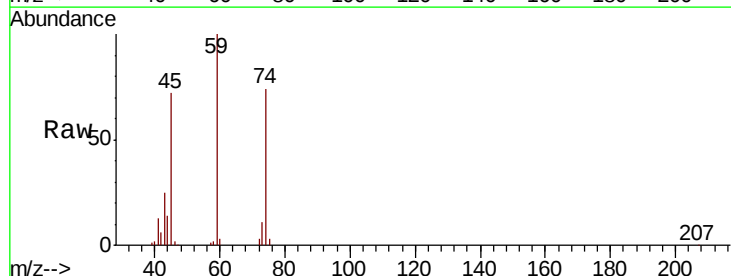
Tot Ion:101 Resp: 224635
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.5 77.3

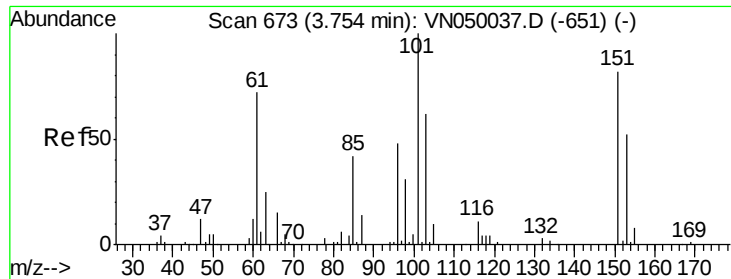


#8

Diethyl Ether
 Concen: 19.36 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion: 74 Resp: 80340
 Ion Ratio Lower Upper
 74 100
 45 96.7 18.7 167.9

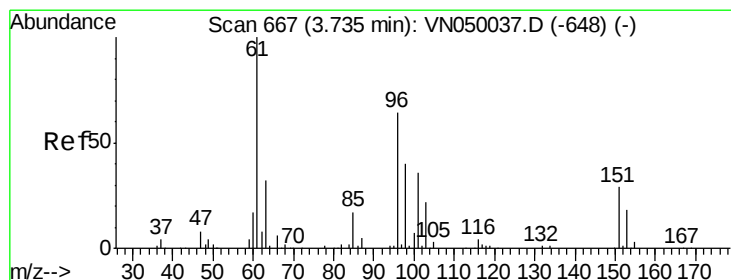
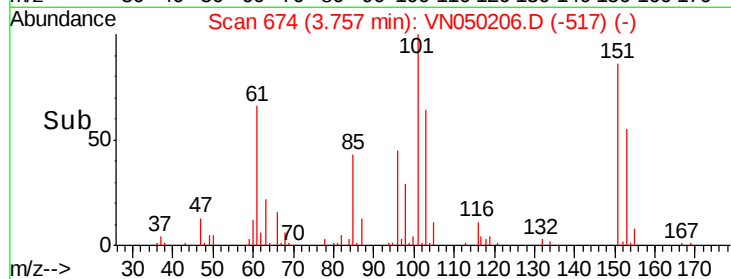
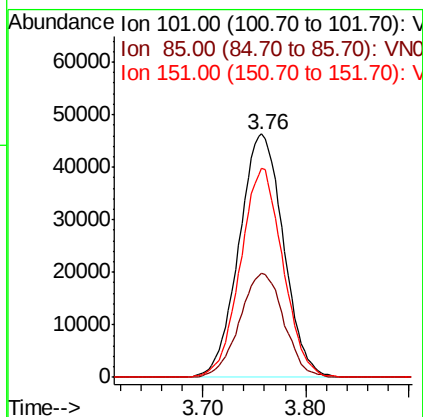
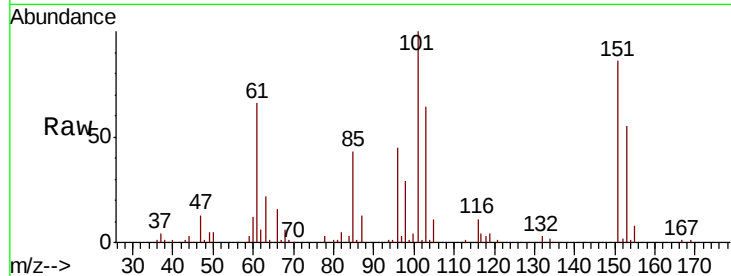




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.38 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

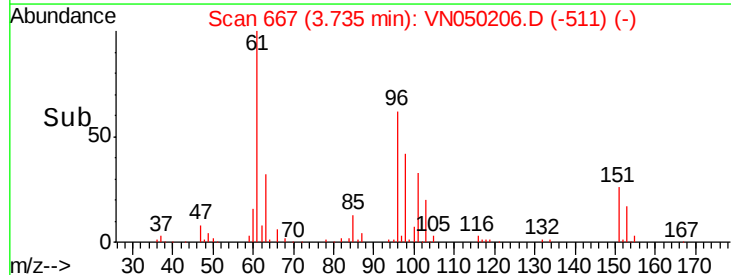
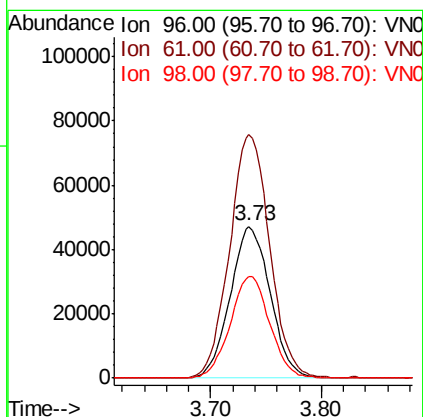
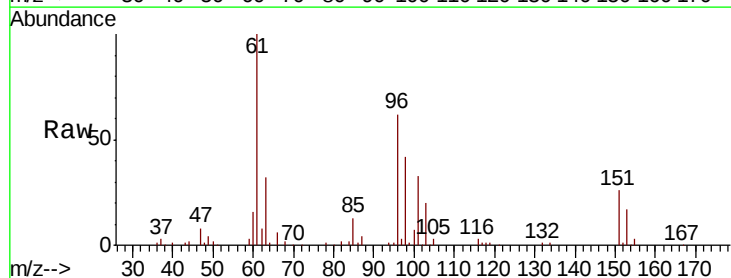
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion:101 Resp: 138345
 Ion Ratio Lower Upper
 101 100
 85 42.4 0.0 83.0
 151 82.0 0.0 166.8



#10
 1,1-Dichloroethene
 Concen: 17.73 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion: 96 Resp: 118332
 Ion Ratio Lower Upper
 96 100
 61 159.6 130.6 195.8
 98 66.6 53.5 80.3

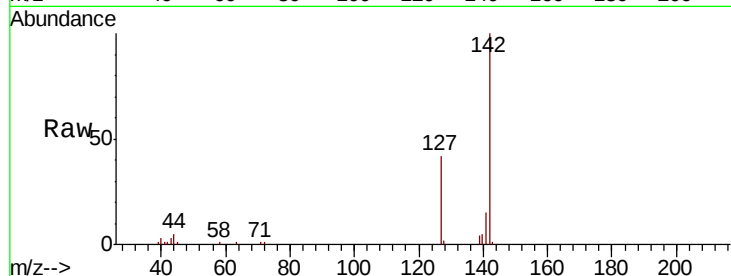




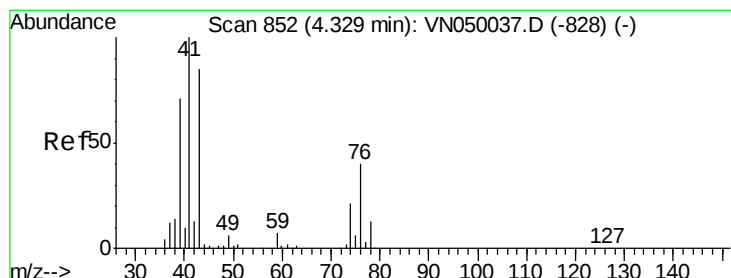
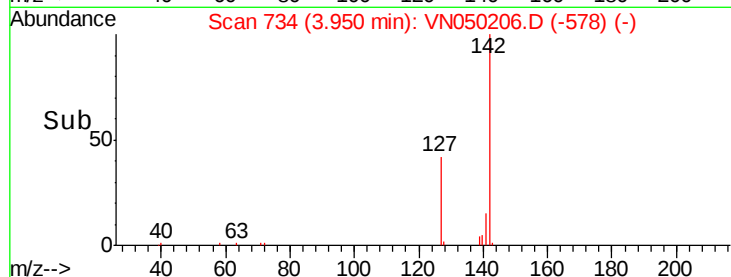
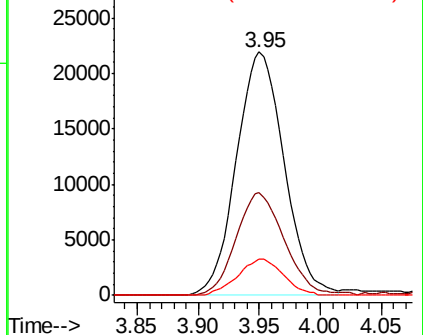
#11
Methyl Iodide
Concen: 6.06 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion:142 Resp: 59472
Ion Ratio Lower Upper
142 100
127 41.9 20.2 60.5
141 15.1 6.9 20.6

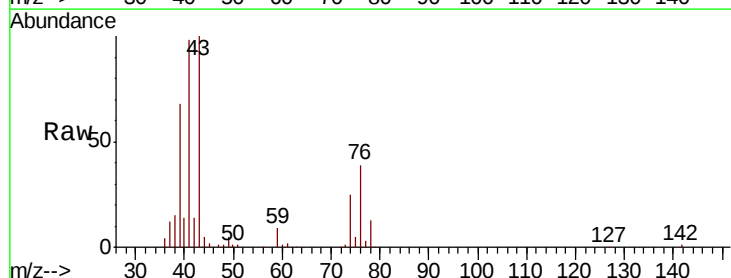


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

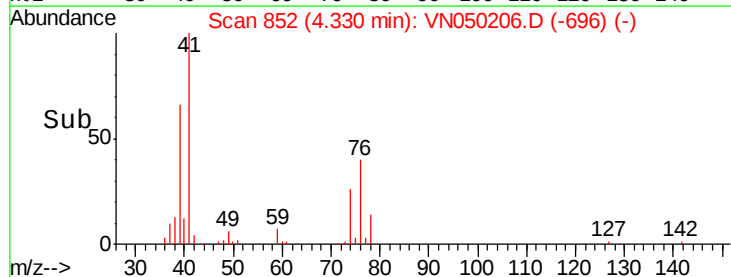
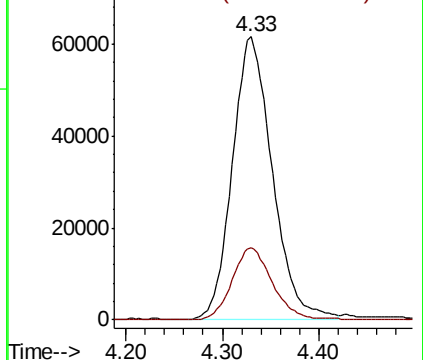


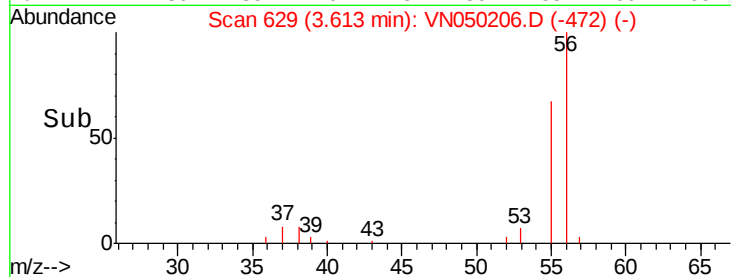
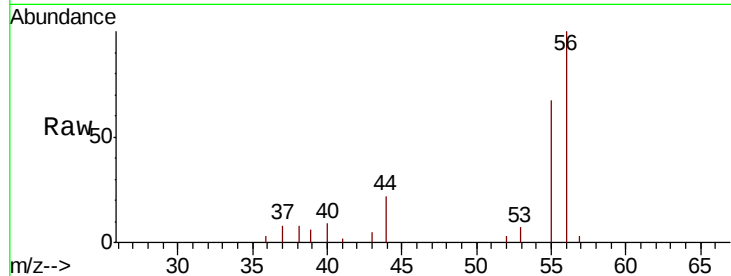
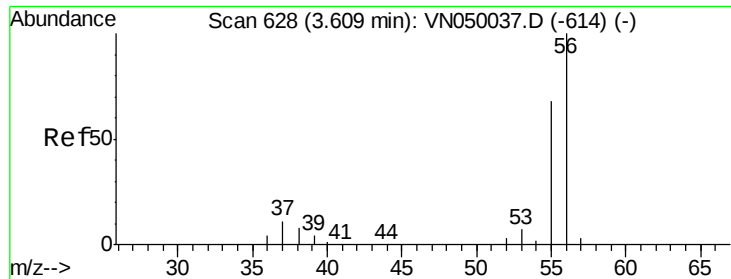
#12
Methyl Acetate
Concen: 22.99 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 43 Resp: 175728
Ion Ratio Lower Upper
43 100
74 25.4 19.3 28.9



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





#13

Acrolein

Concen: 35.64 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

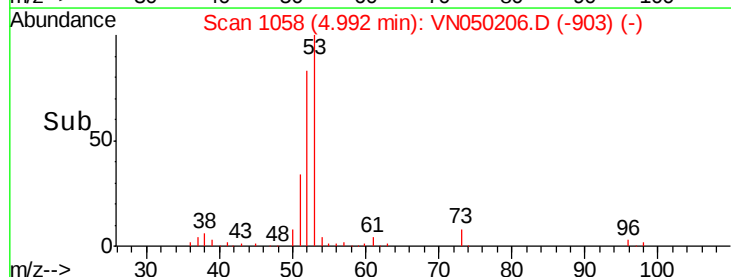
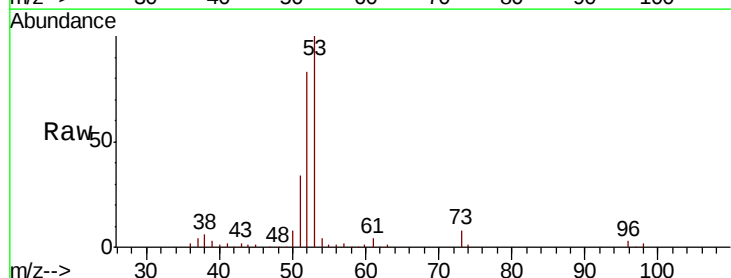
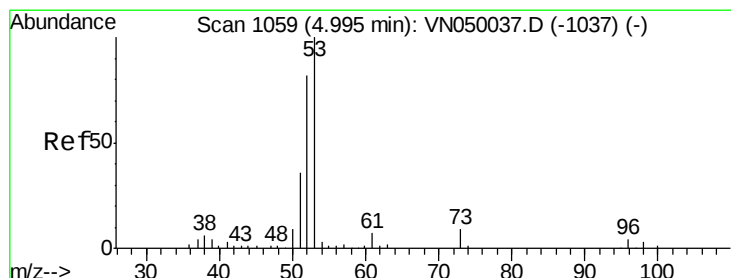
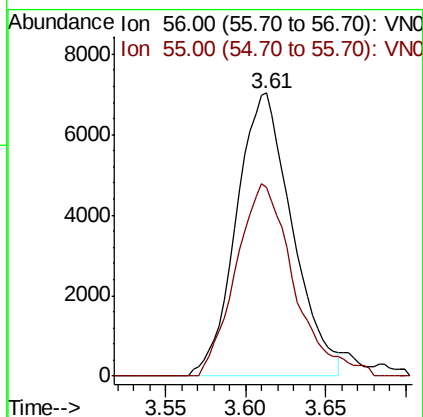
VN0731WBSD01

Tot Ion: 56 Resp: 16836

Ion Ratio Lower Upper

56 100

55 70.0 58.6 88.0



#14

Acrylonitrile

Concen: 97.90 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

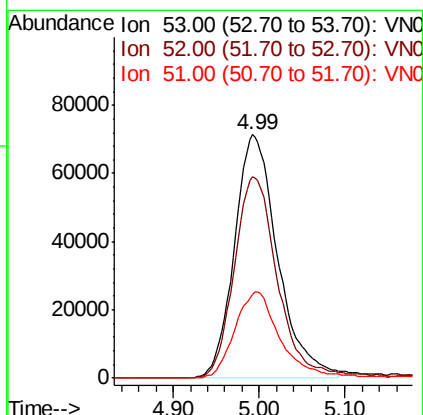
Tgt Ion: 53 Resp: 249730

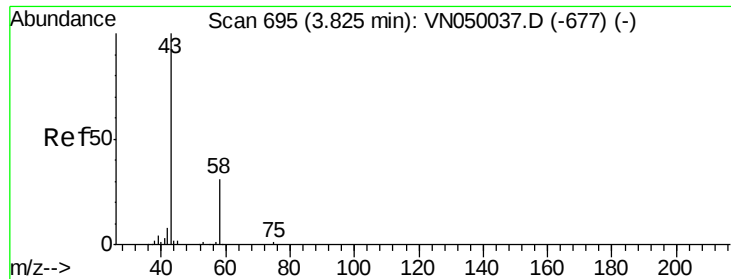
Ion Ratio Lower Upper

53 100

52 82.2 41.5 124.5

51 36.1 18.7 56.1

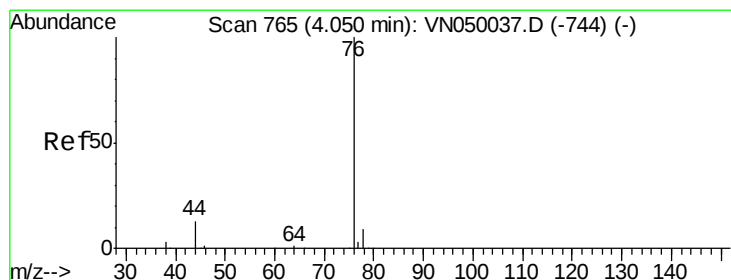
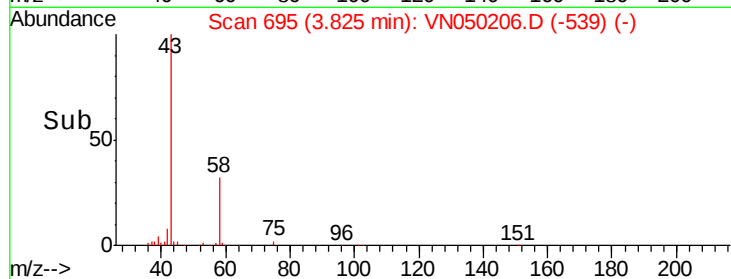
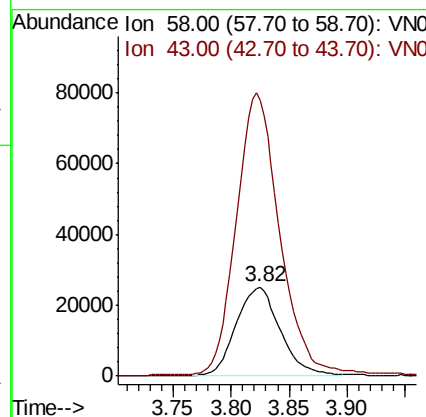
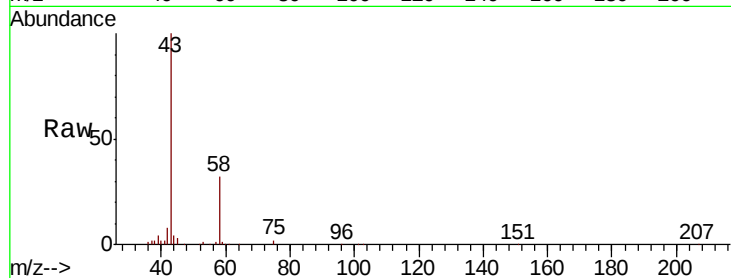




#15
Acetone
Concen: 97.00 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

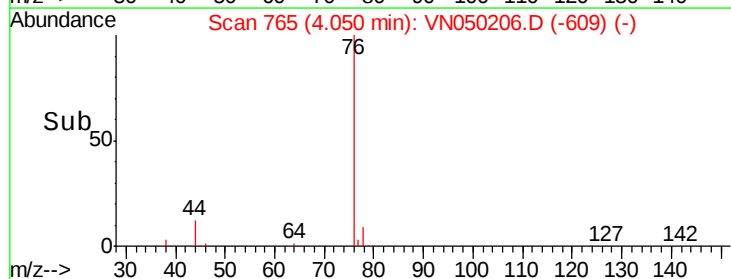
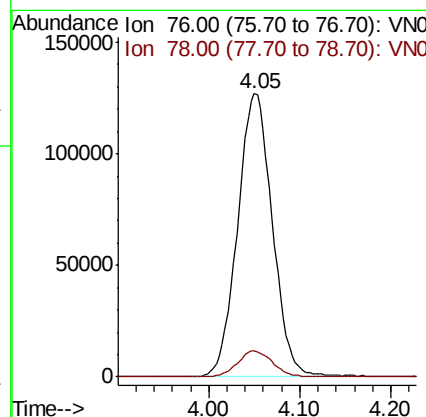
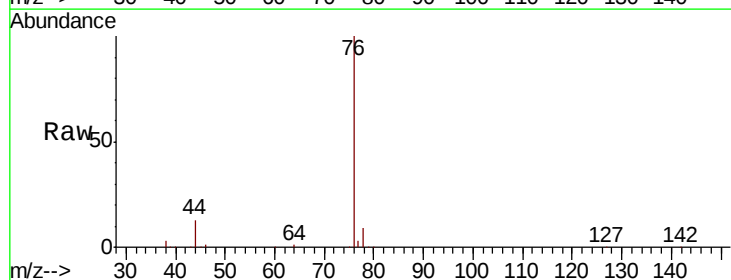
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

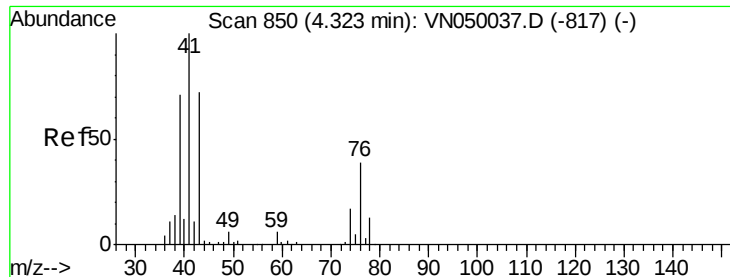
Tot Ion: 58 Resp: 65758
Ion Ratio Lower Upper
58 100
43 310.8 252.0 378.0



#16
Carbon Disulfide
Concen: 16.49 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 76 Resp: 336765
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

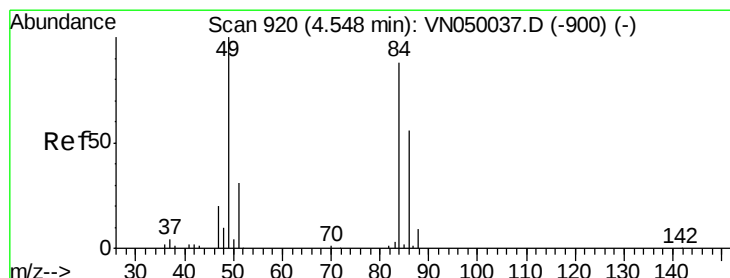
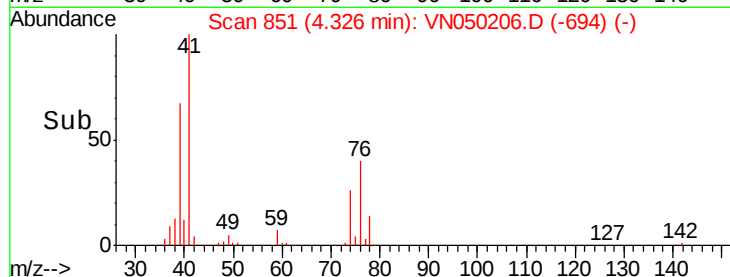
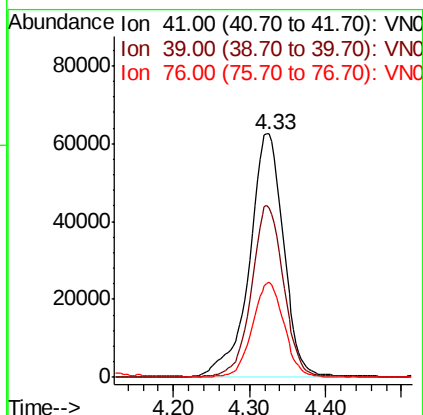
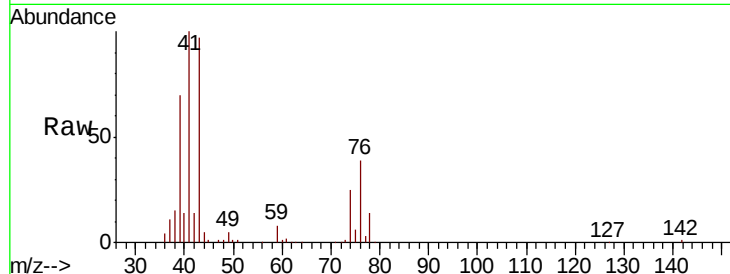




#17
Allvl chloride
Concen: 18.61 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

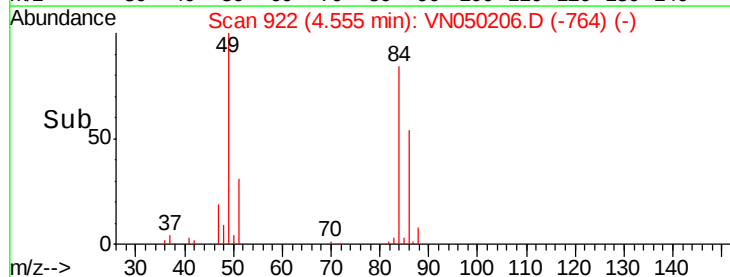
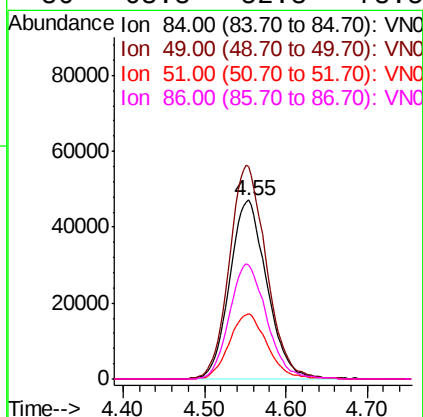
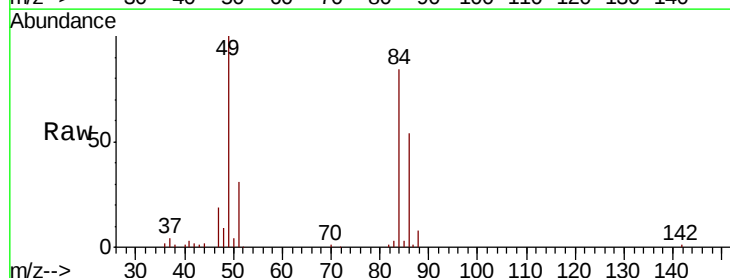
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

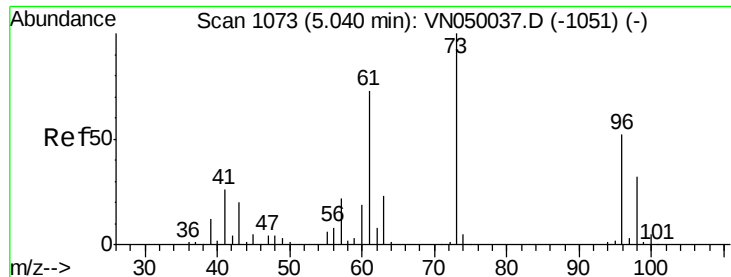
Tot Ion: 41 Resp: 196115
Ion Ratio Lower Upper
41 100
39 69.6 35.4 106.3
76 39.0 19.7 59.1



#18
Methylene Chloride
Concen: 19.46 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 84 Resp: 149890
Ion Ratio Lower Upper
84 100
49 118.2 95.1 142.7
51 36.3 28.8 43.2
86 63.8 52.3 78.5

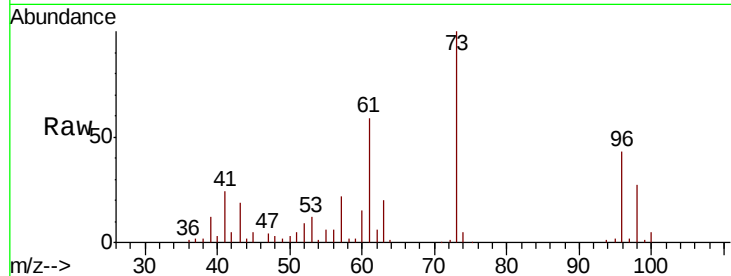




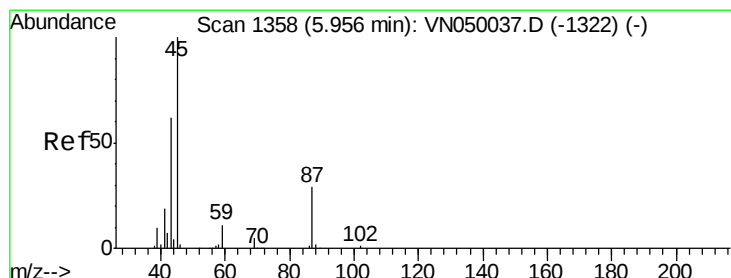
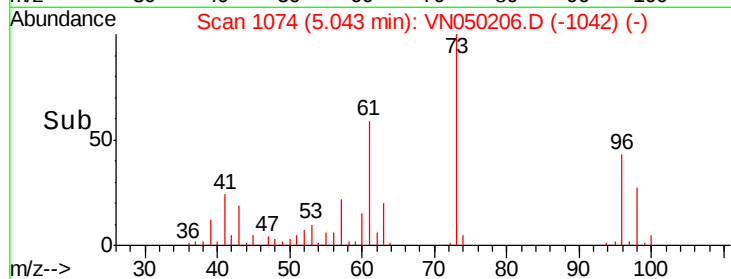
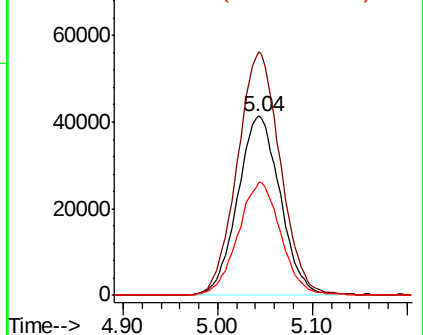
#19
trans-1,2-Dichloroethene
Concen: 18.13 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion: 96 Resp: 129539
Ion Ratio Lower Upper
96 100
61 135.6 112.1 168.1
98 62.9 51.3 76.9

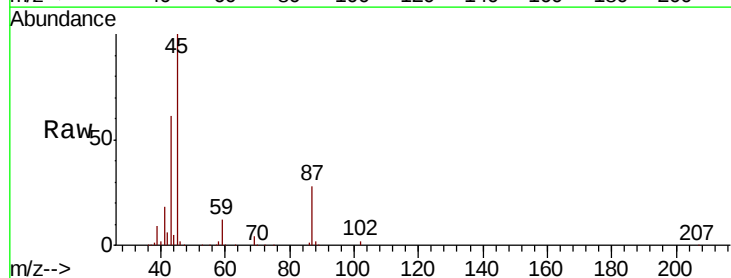


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

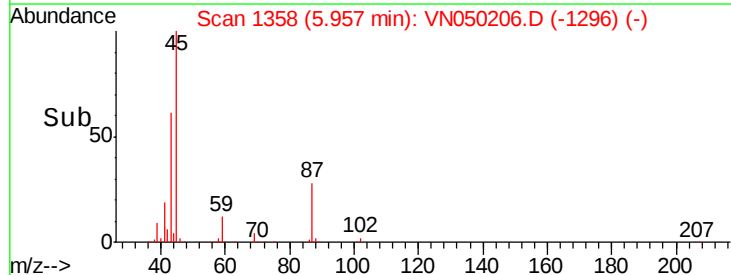
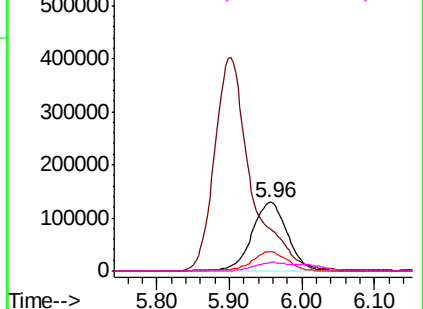


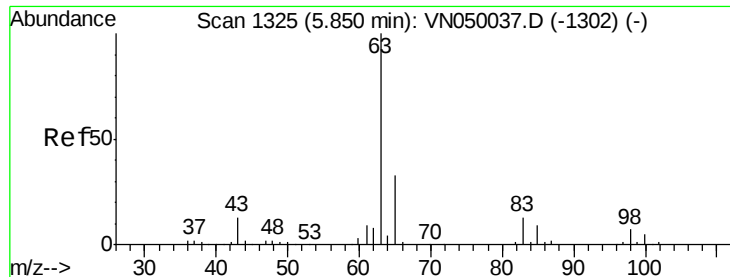
#20
Diisopropyl ether
Concen: 20.38 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 45 Resp: 440390
Ion Ratio Lower Upper
45 100
43 58.8 46.6 70.0
87 27.8 22.3 33.5
59 12.0 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





#21

1,1-Dichloroethane

Concen: 19.07 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

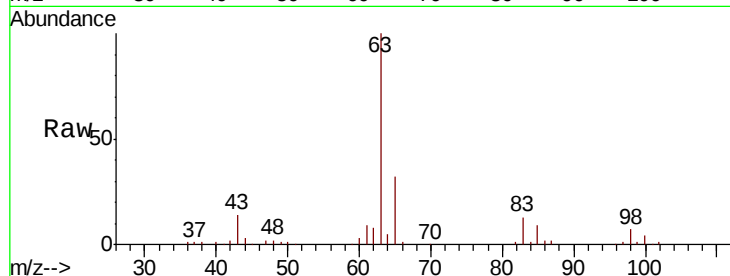
Tot Ion: 63 Resp: 259054

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

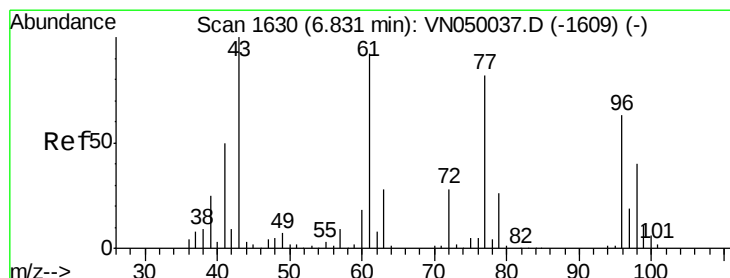
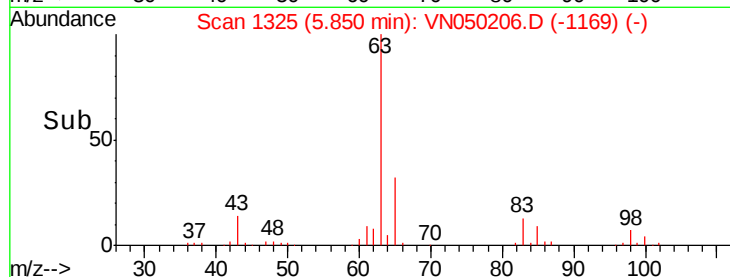
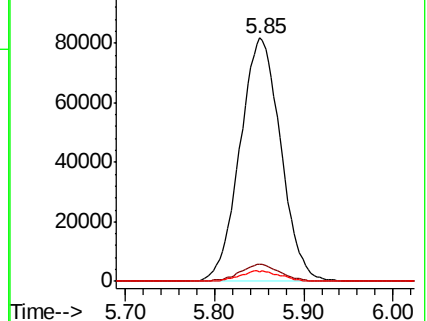
100 4.1 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 19.28 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

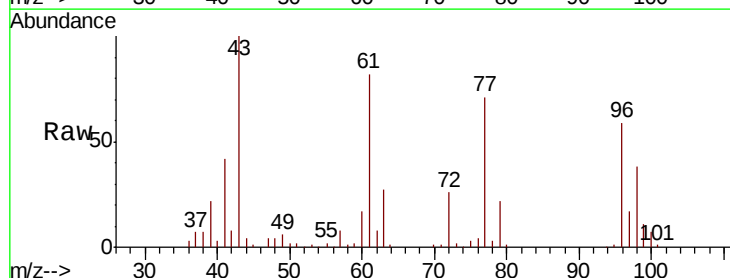
Tgt Ion: 96 Resp: 152763

Ion Ratio Lower Upper

96 100

61 142.4 114.2 171.2

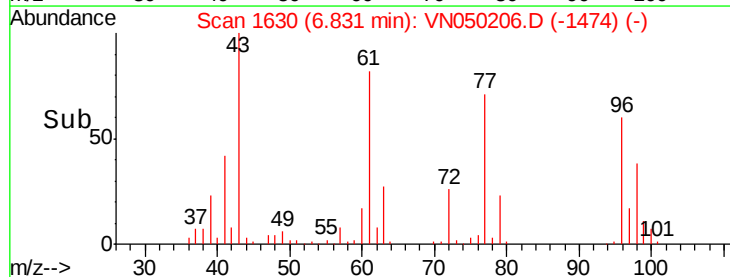
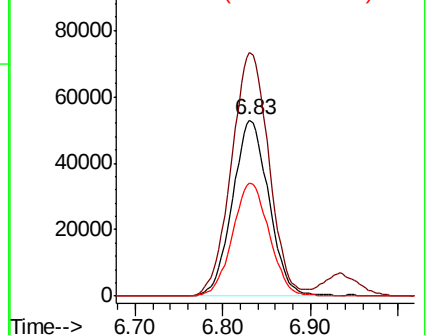
98 64.8 51.7 77.5

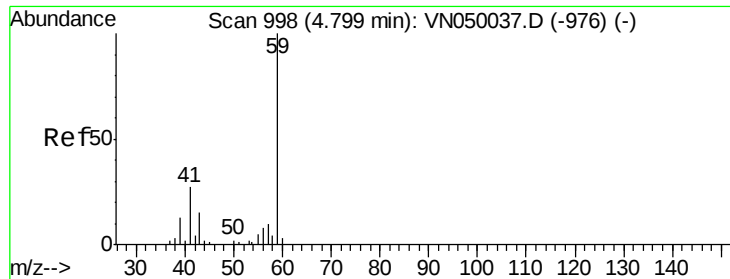


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 99.38 ug/l

RT: 4.80 min Scan# 997

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

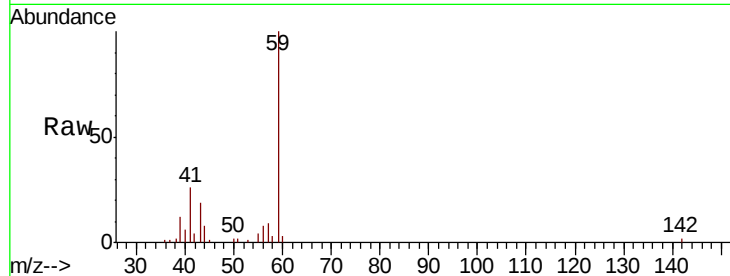
VN0731WBSD01

Tot Ion: 59 Resp: 56645

Ion Ratio Lower Upper

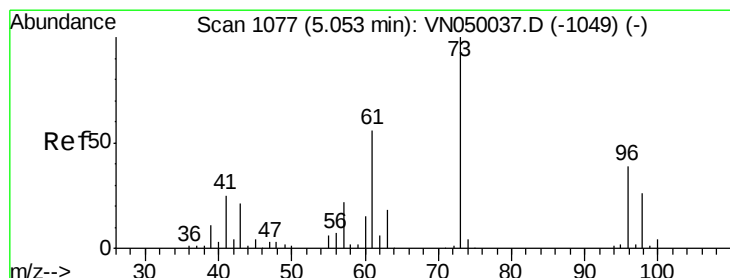
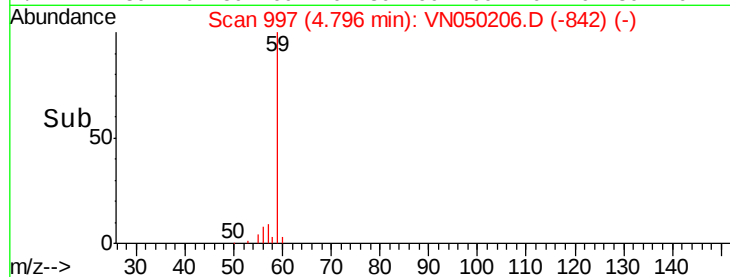
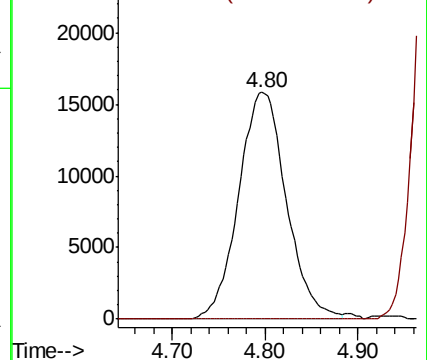
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.97 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050206.D

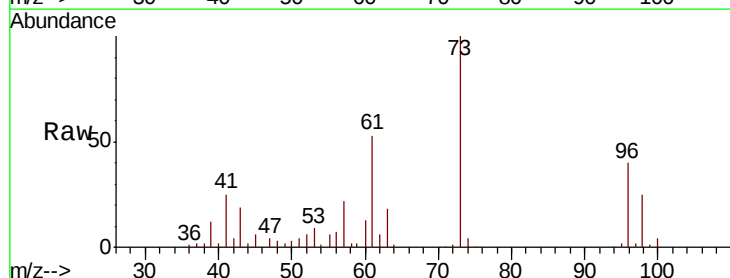
Acq: 31 Jul 2018 10:26

Tgt Ion: 73 Resp: 363375

Ion Ratio Lower Upper

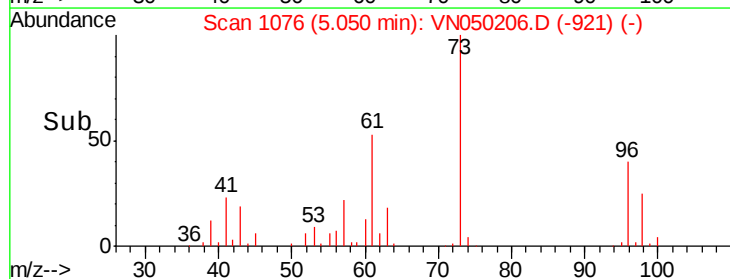
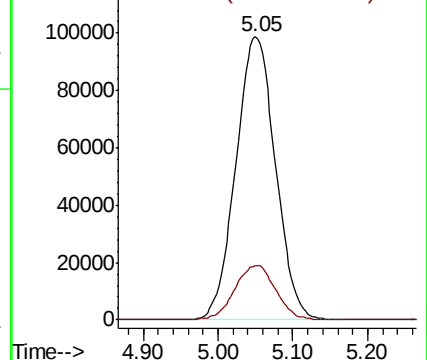
73 100

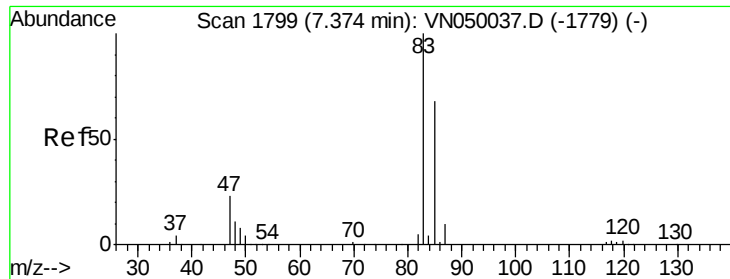
43 19.7 15.5 23.3



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

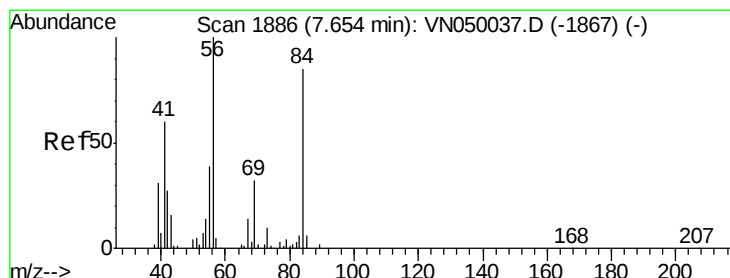
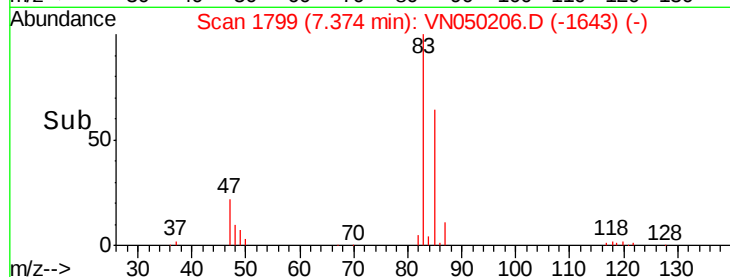
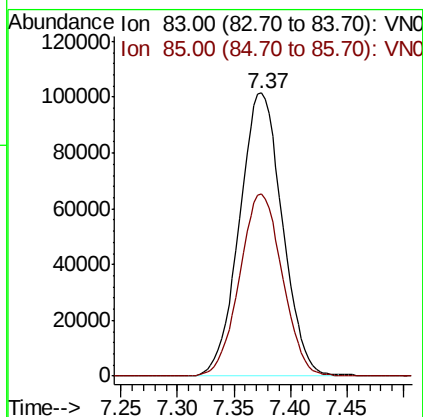
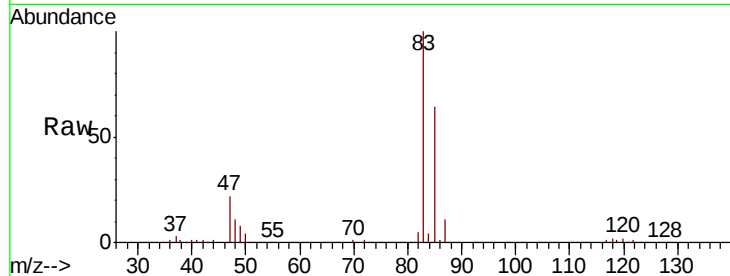




#25
Chloroform
Concen: 19.47 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

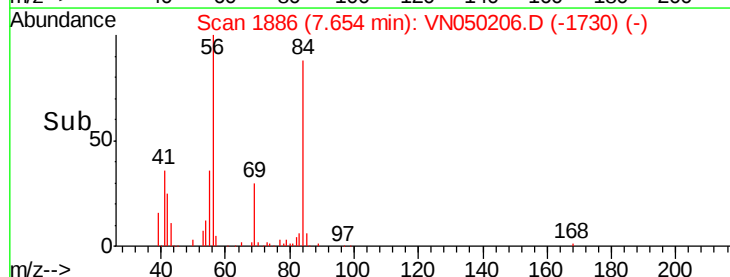
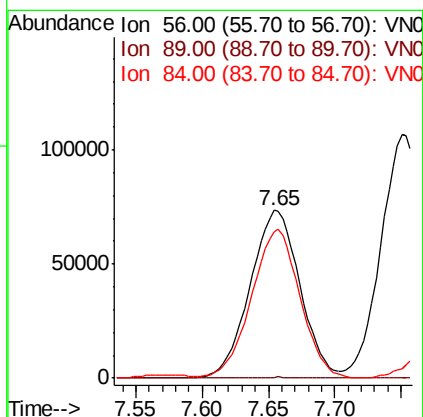
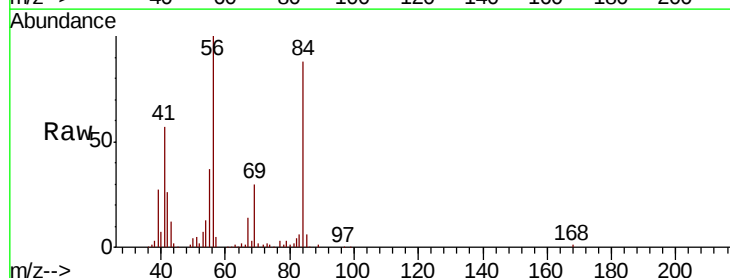
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

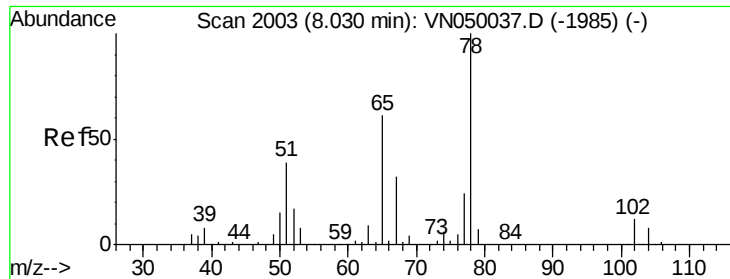
Tot Ion: 83 Resp: 267870
Ion Ratio Lower Upper
83 100
85 64.4 52.1 78.1



#26
Cyclohexane
Concen: 17.82 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 56 Resp: 192376
Ion Ratio Lower Upper
56 100
89 0.4 3.0 4.4#
84 86.6 69.8 104.8

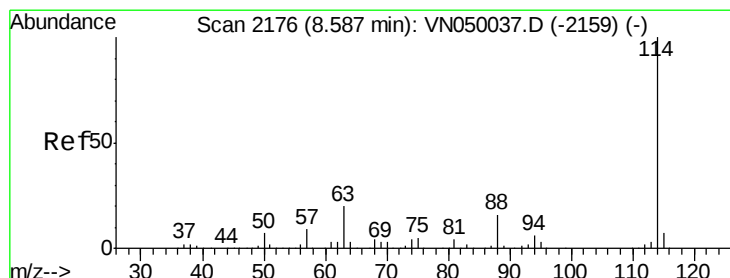
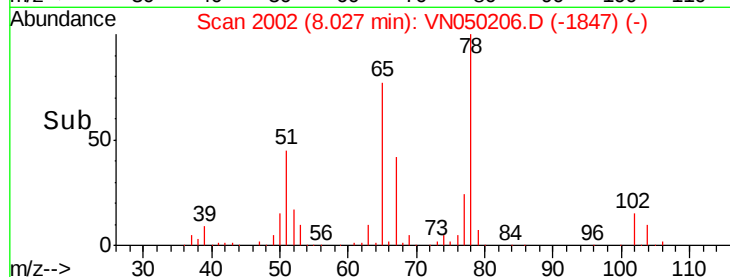
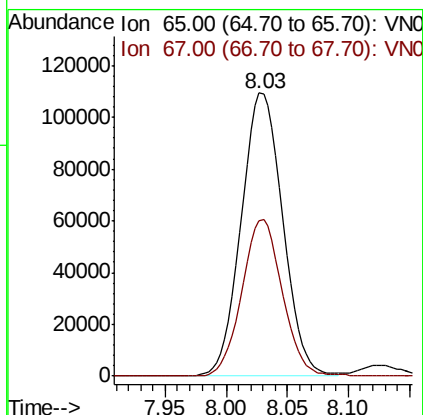
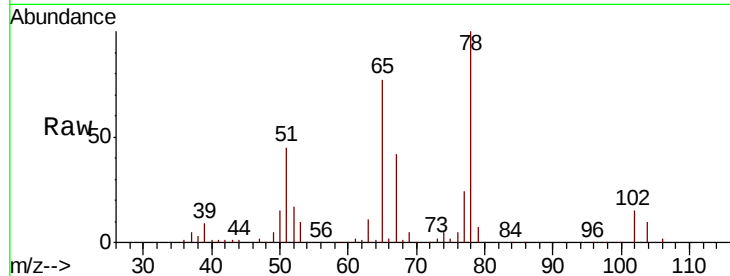




#27
 1,2-Dichloroethane-d4
 Concen: 30.30 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

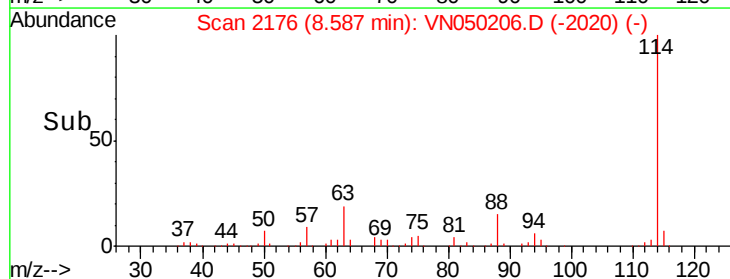
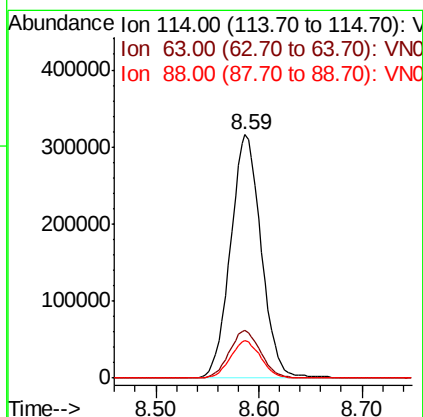
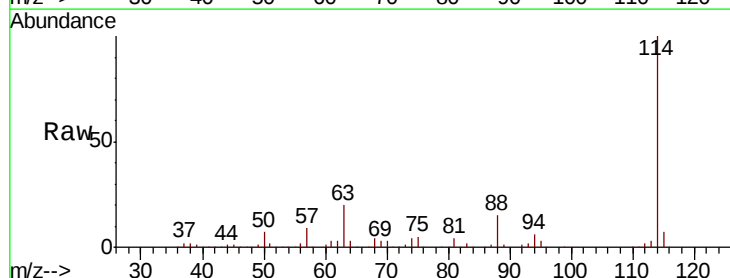
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

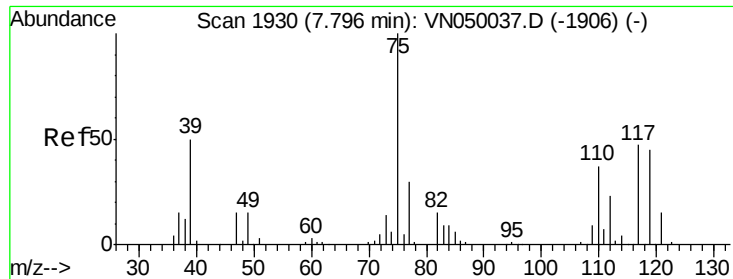
Tot Ion: 65 Resp: 257767
 Ion Ratio Lower Upper
 65 100
 67 53.5 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion: 114 Resp: 655278
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.3 12.3 18.5

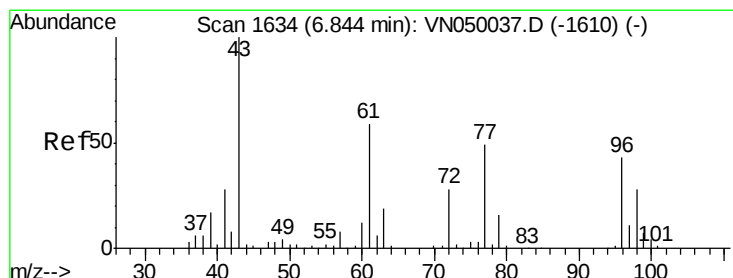
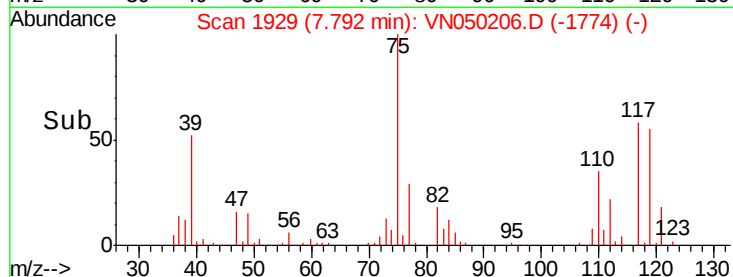
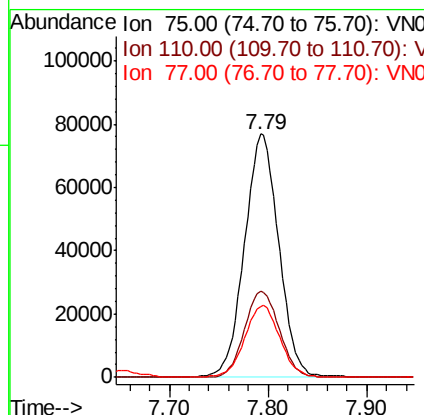
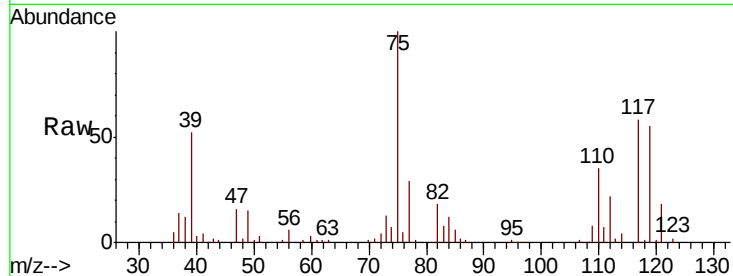




#29
 1,1-Dichloropropene
 Concen: 18.16 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

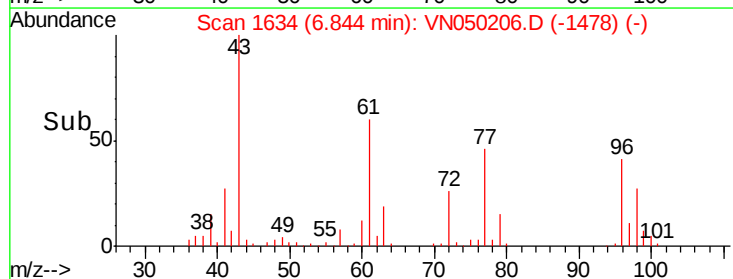
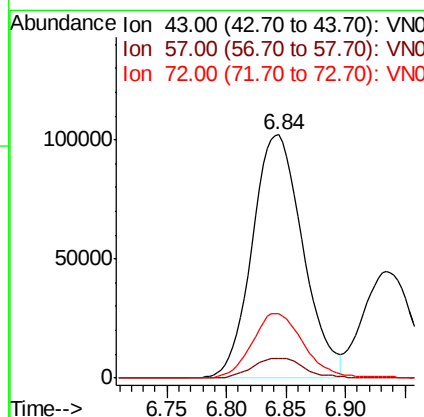
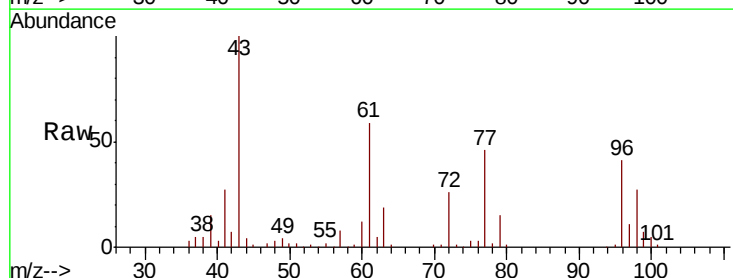
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

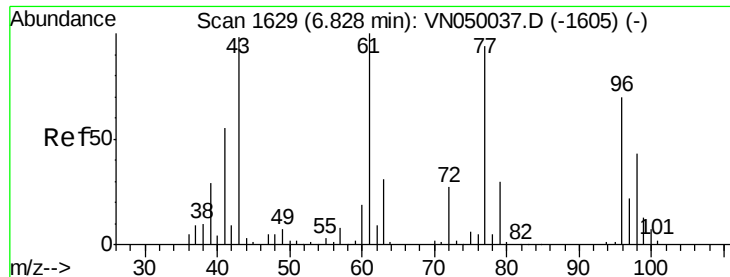
Tot Ion: 75 Resp: 184690
 Ion Ratio Lower Upper
 75 100
 110 35.9 0.0 73.2
 77 29.9 0.0 62.0



#30
 2-Butanone
 Concen: 93.94 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion: 43 Resp: 299789
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.8 10.2
 72 27.2 21.4 32.0





#31

2,2-Dichloropropane

Concen: 18.20 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

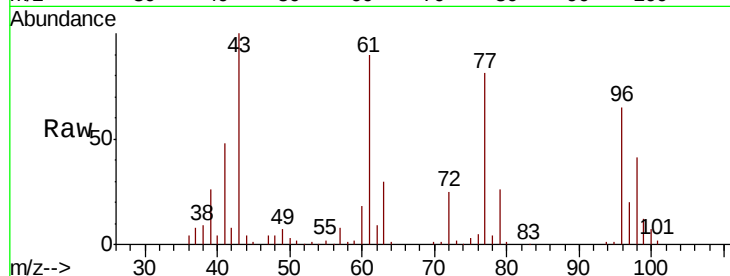
VN0731WBSD01

Tot Ion: 77 Resp: 204578

Ion Ratio Lower Upper

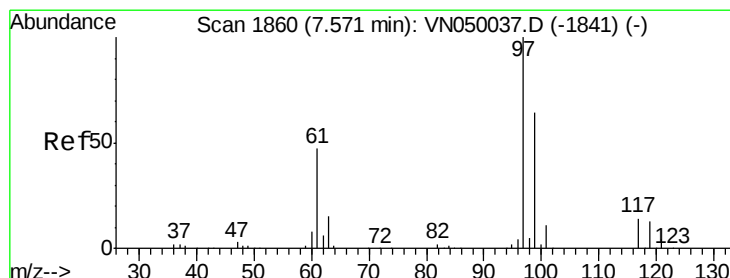
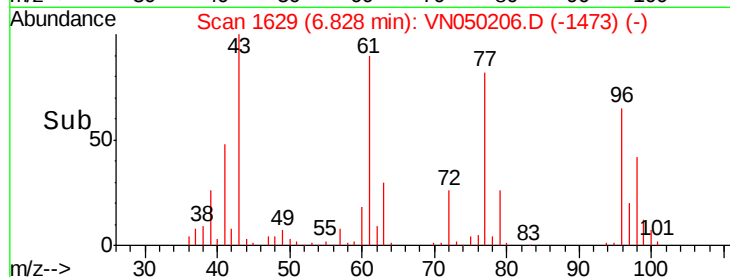
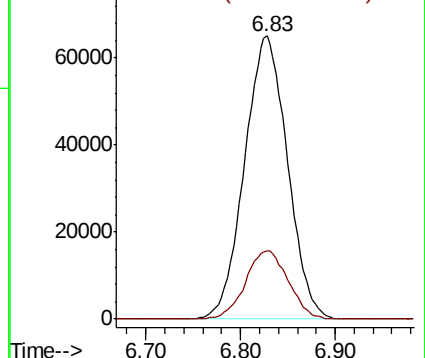
77 100

97 24.1 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.74 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

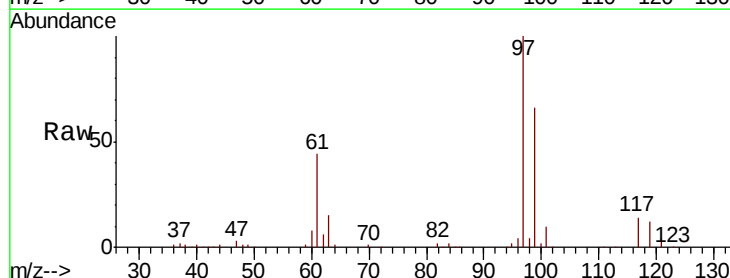
Tgt Ion: 97 Resp: 224348

Ion Ratio Lower Upper

97 100

99 64.1 51.2 76.8

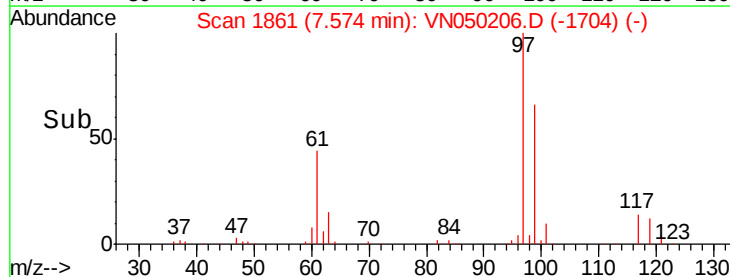
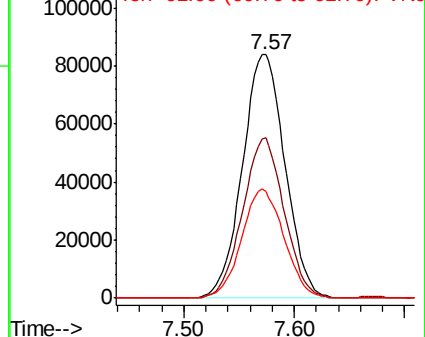
61 44.4 35.3 52.9

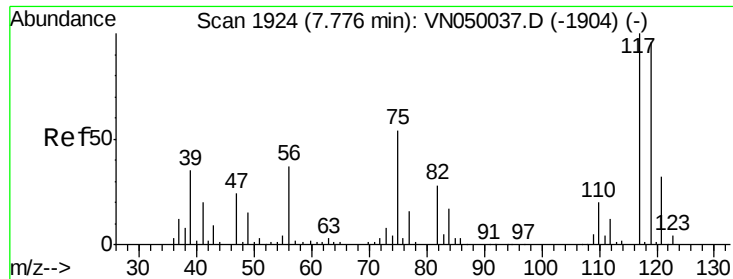


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

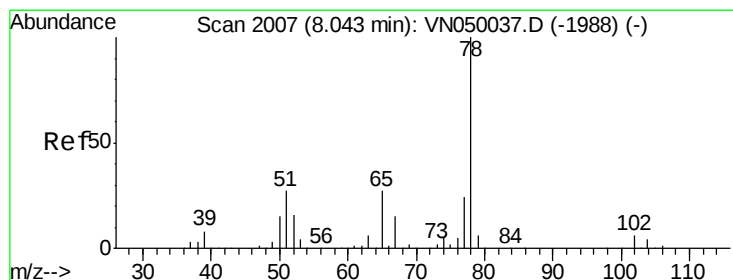
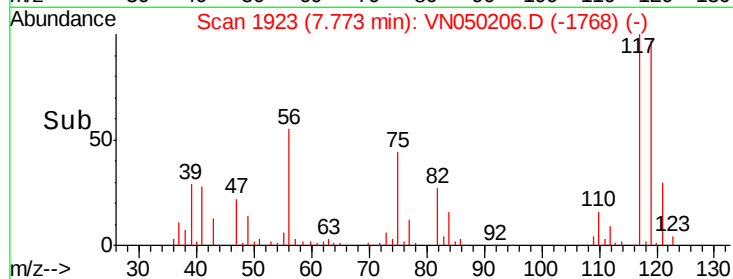
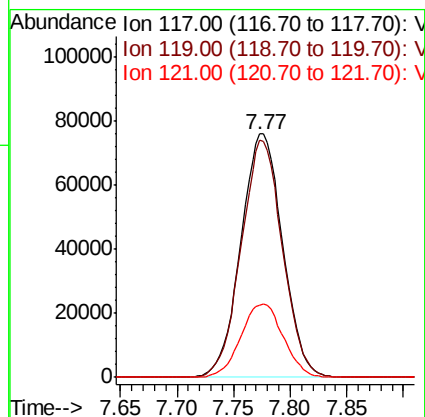
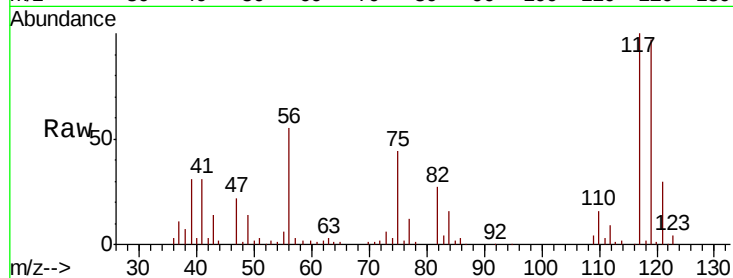




#33
Carbon Tetrachloride
Concen: 18.25 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

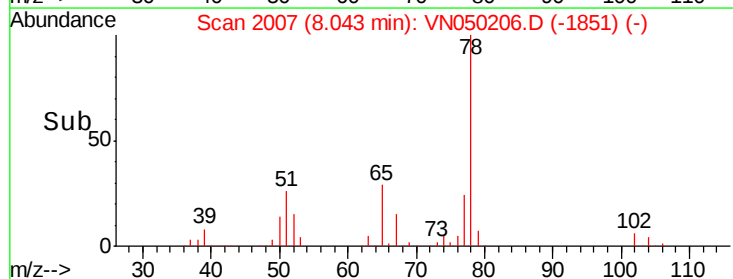
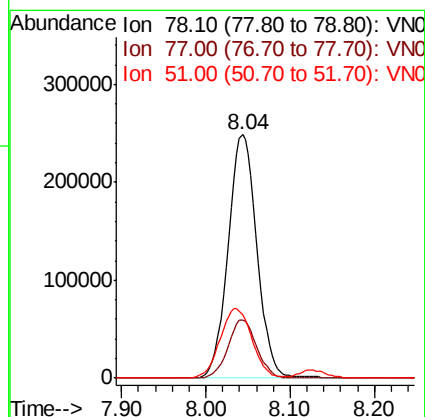
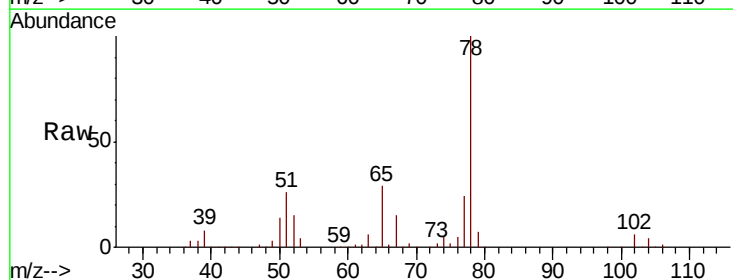
Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

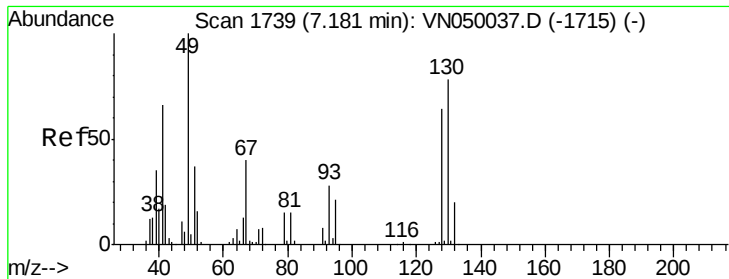
Tot Ion:117 Resp: 194730
Ion Ratio Lower Upper
117 100
119 97.2 76.9 115.3
121 29.6 24.4 36.6



#34
Benzene
Concen: 19.06 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 78 Resp: 588772
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7
51 26.0 21.0 31.4

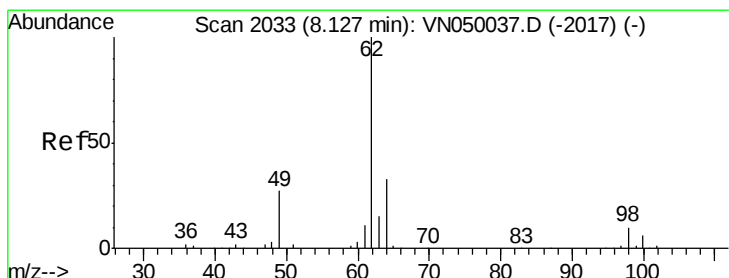
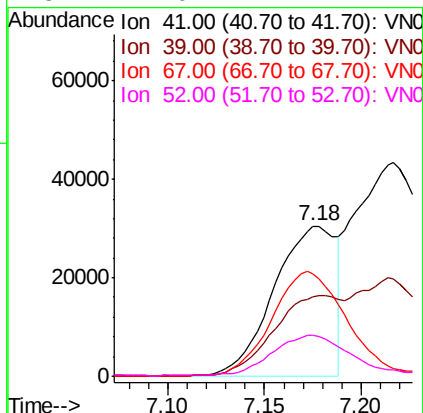
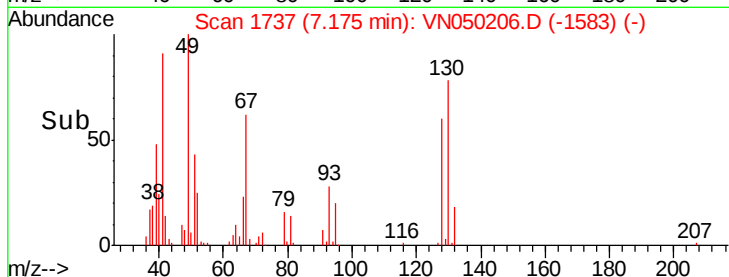
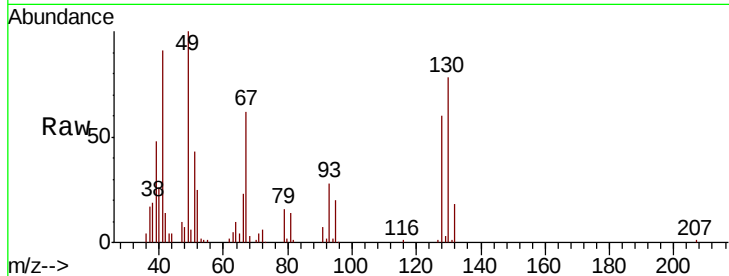




#35
Methacrylonitrile
Concen: 18.79 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

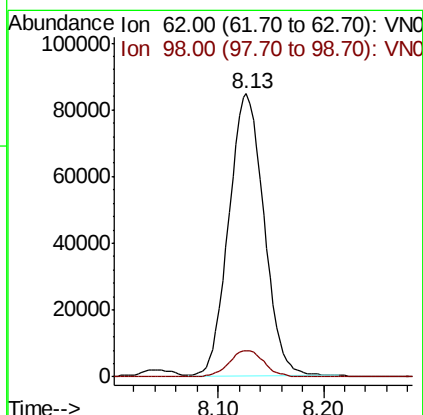
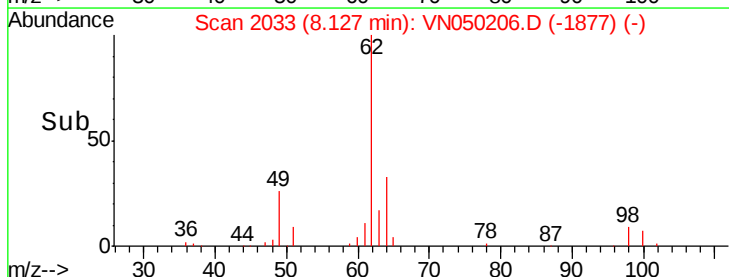
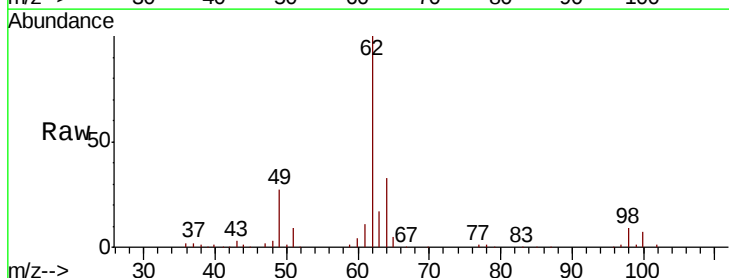
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

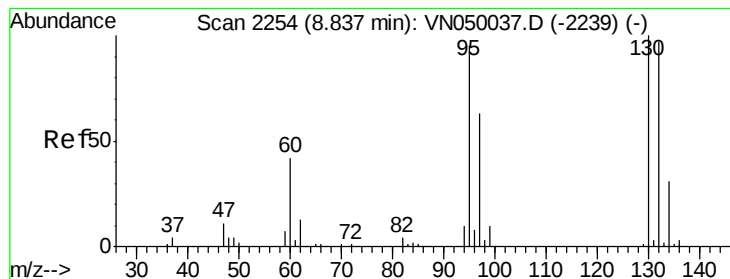
Tot Ion:	41	Resp:	68270
Ion	Ratio	Lower	Upper
41	100		
39	52.9	27.6	82.7
67	68.3	35.1	105.5
52	27.0	14.1	42.4



#36
1,2-Dichloroethane
Concen: 19.31 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion:	62	Resp:	195840
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.8	11.6





#37

Trichloroethene

Concen: 18.42 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

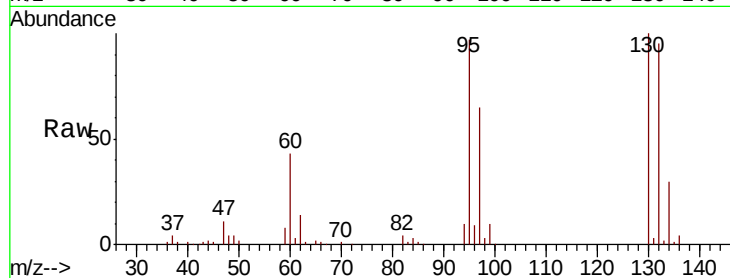
VN0731WBSD01

Tot Ion:130 Resp: 149219

Ion Ratio Lower Upper

130 100

95 96.6 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

80000

60000

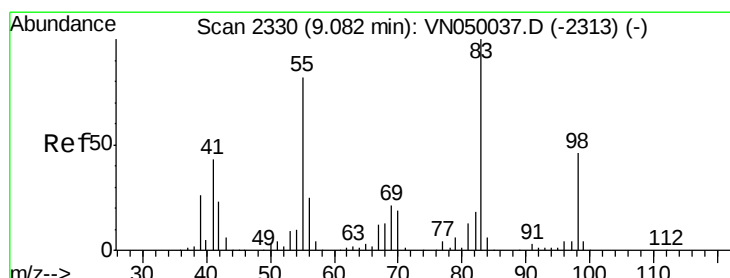
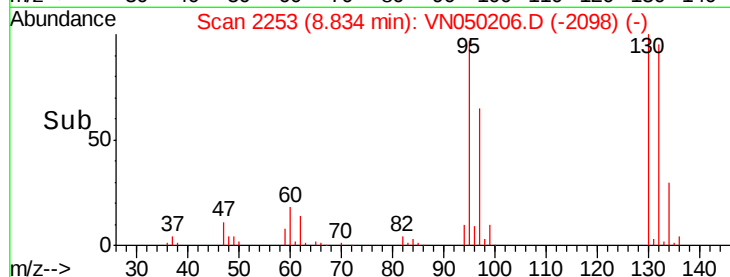
40000

20000

0

8.80 8.90

Time-->



#38

Methylcyclohexane

Concen: 16.74 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

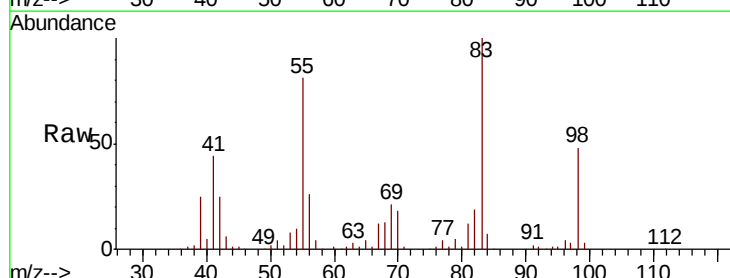
Tgt Ion: 83 Resp: 179424

Ion Ratio Lower Upper

83 100

55 79.7 39.3 117.8

98 46.6 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

100000

80000

60000

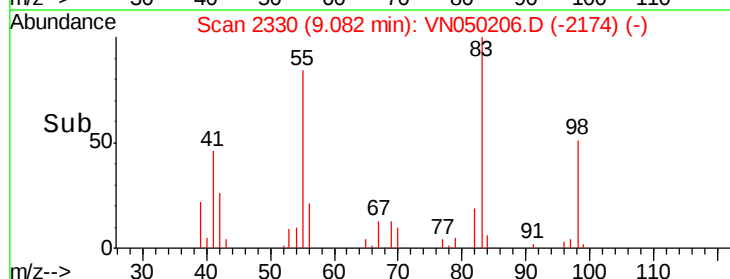
40000

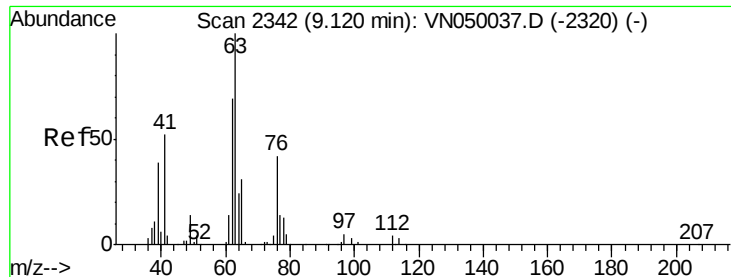
20000

0

9.00 9.05 9.10 9.15 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 19.48 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

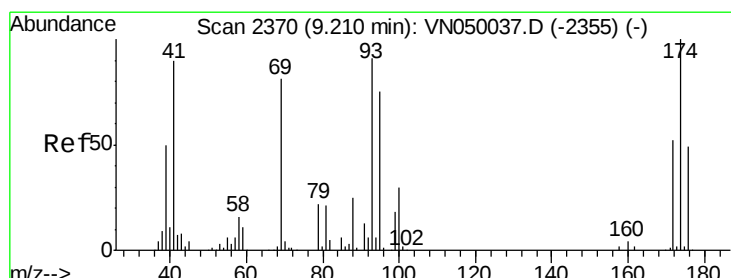
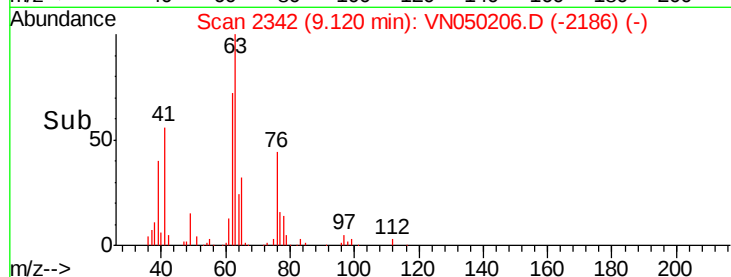
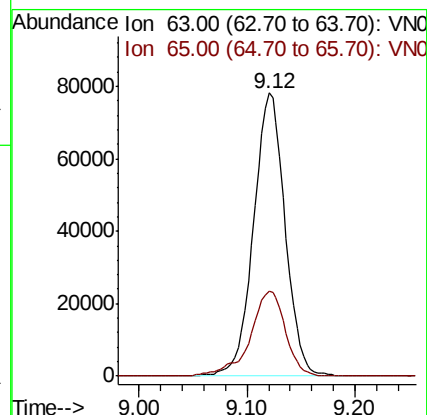
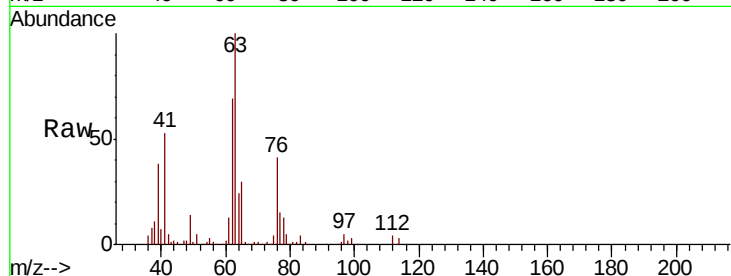
VN0731WBSD01

Tot Ion: 63 Resp: 158524

Ion Ratio Lower Upper

63 100

65 29.9 24.2 36.2



#40

Dibromomethane

Concen: 20.18 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

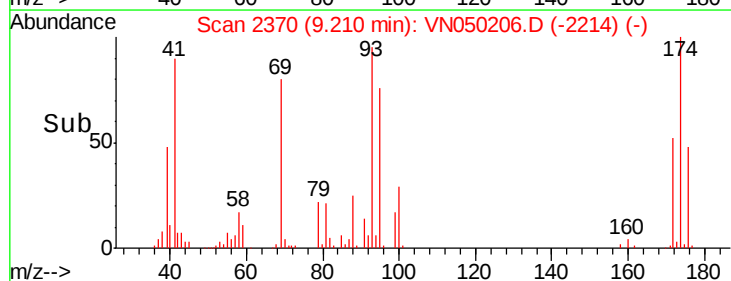
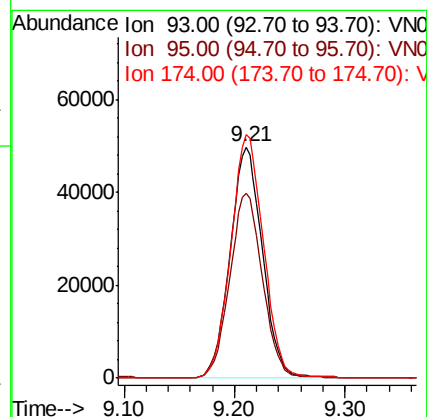
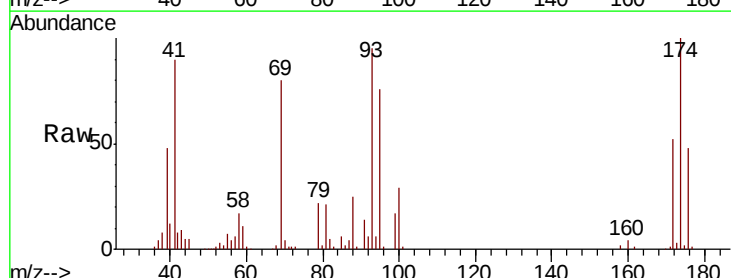
Tgt Ion: 93 Resp: 101453

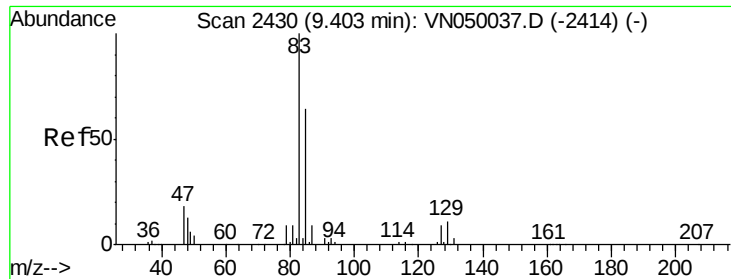
Ion Ratio Lower Upper

93 100

95 80.5 0.0 165.6

174 105.7 0.0 223.2

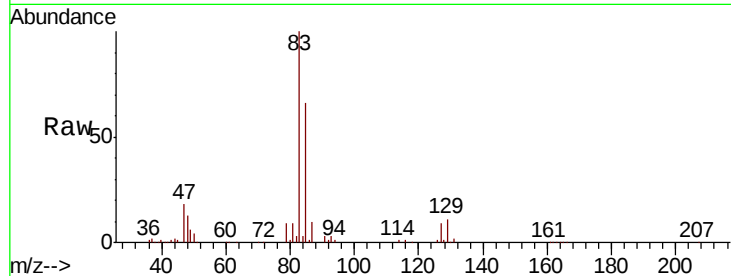




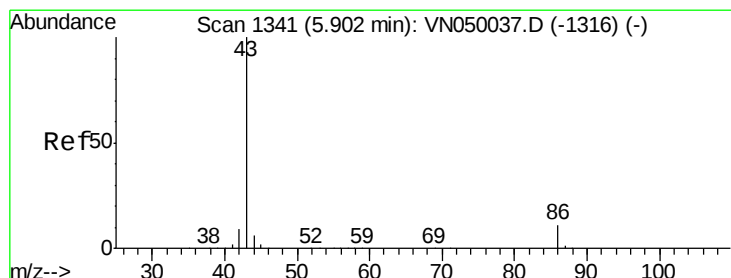
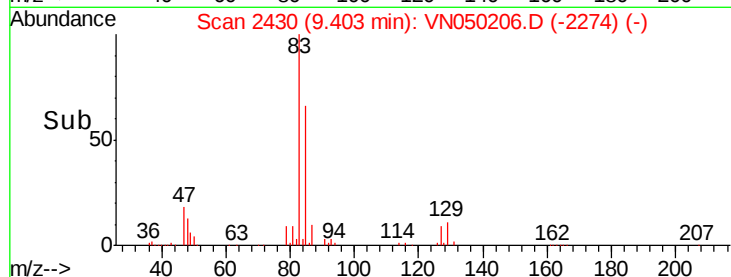
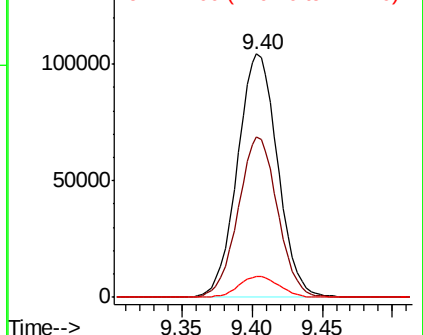
#41
Bromodichloromethane
Concen: 19.62 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion: 83 Resp: 208067
Ion Ratio Lower Upper
83 100
85 65.9 52.6 78.8
127 8.6 7.0 10.4

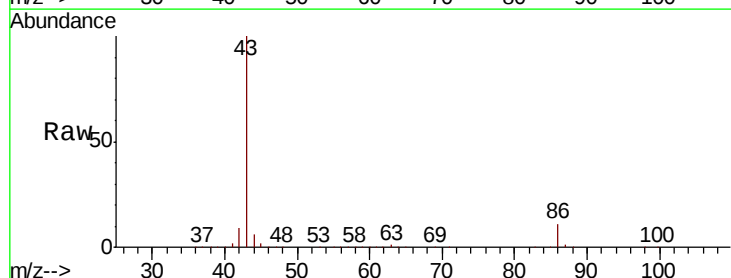


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

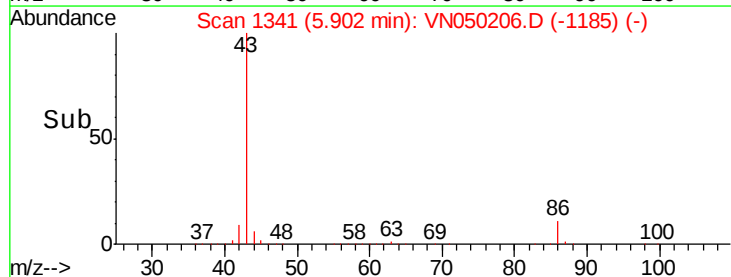
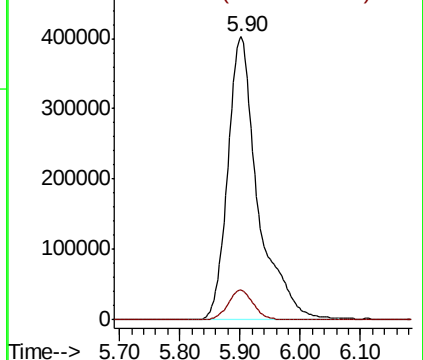


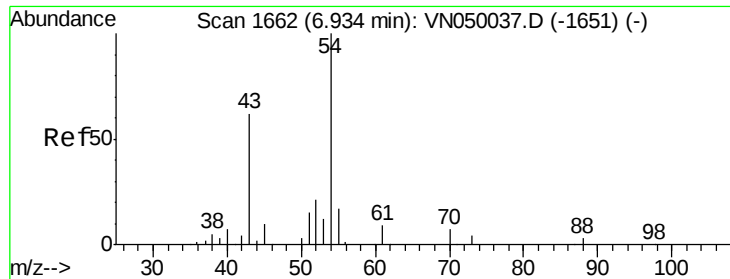
#42
Vinyl Acetate
Concen: 93.69 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 43 Resp: 1406972
Ion Ratio Lower Upper
43 100
86 8.9 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.35 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleID :

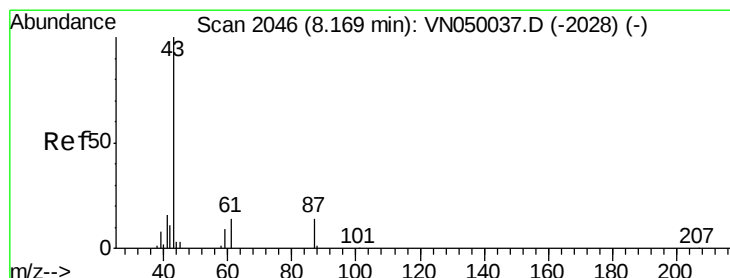
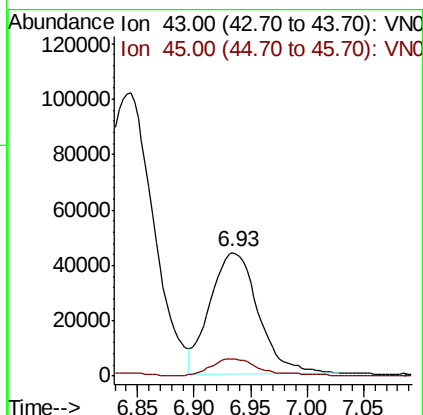
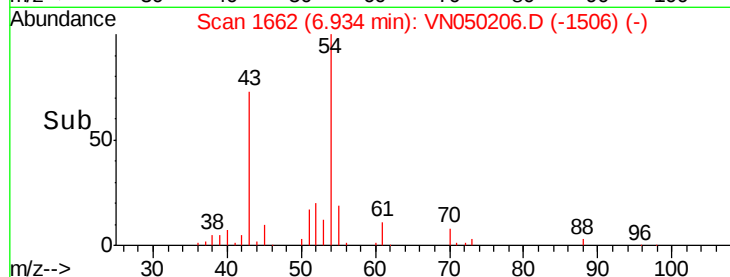
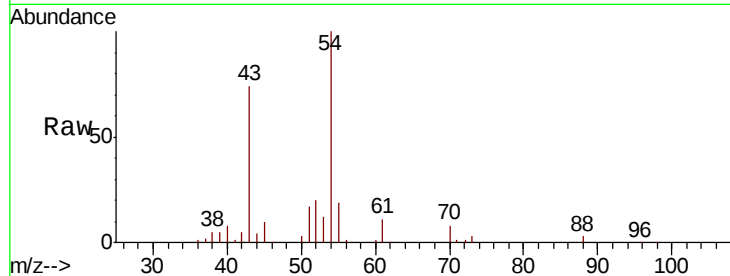
VN0731WBSD01

Tot Ion: 43 Resp: 128918

Ion Ratio Lower Upper

43 100

45 12.5 13.0 19.6#



#44

Isopropyl Acetate

Concen: 20.56 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050206.D

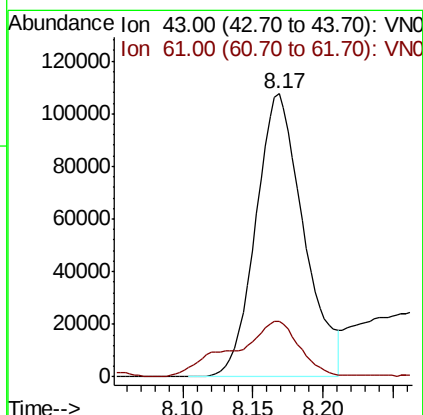
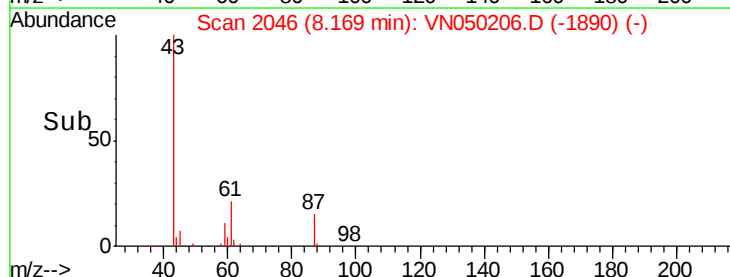
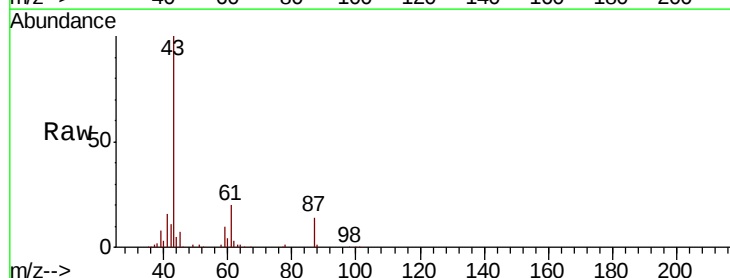
Acq: 31 Jul 2018 10:26

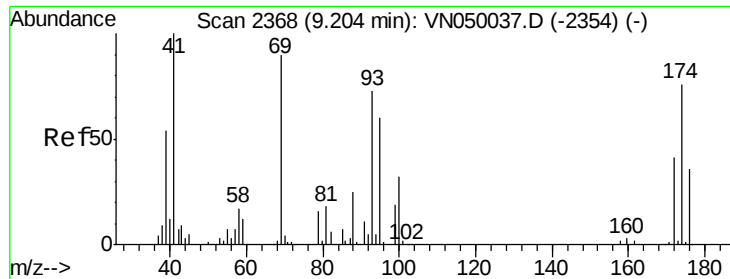
Tgt Ion: 43 Resp: 253849

Ion Ratio Lower Upper

43 100

61 17.5 16.4 24.6





#45

1,4-Dioxane

Concen: 391.84 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

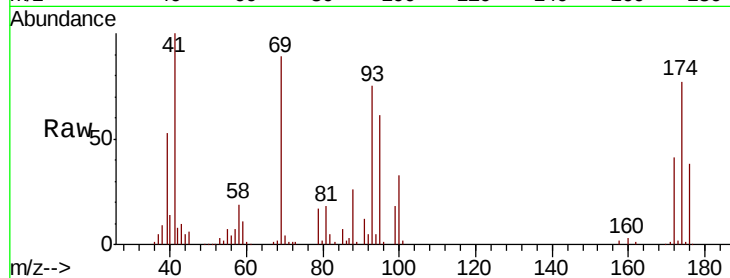
Tot Ion: 88 Resp: 31829

Ion Ratio Lower Upper

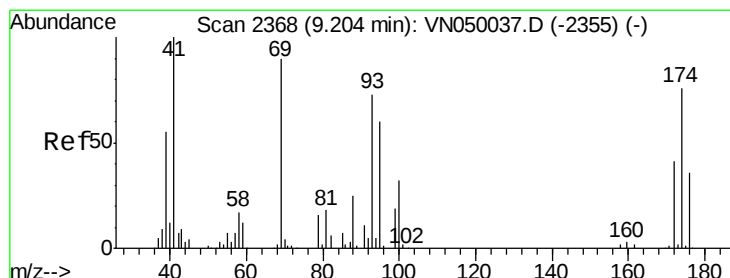
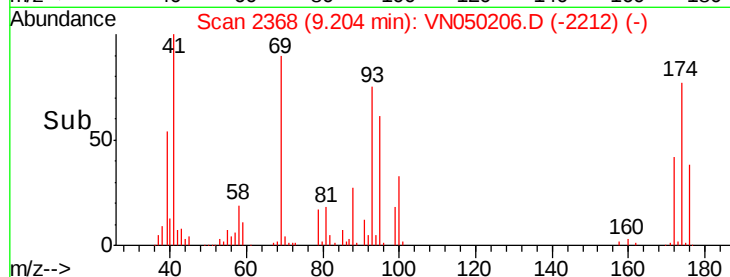
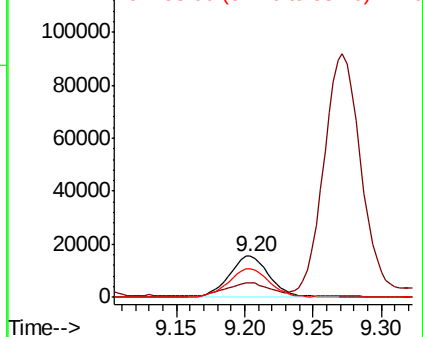
88 100

43 31.1 26.9 40.3

58 71.2 53.6 80.4



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



#46

Methyl methacrylate

Concen: 19.16 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

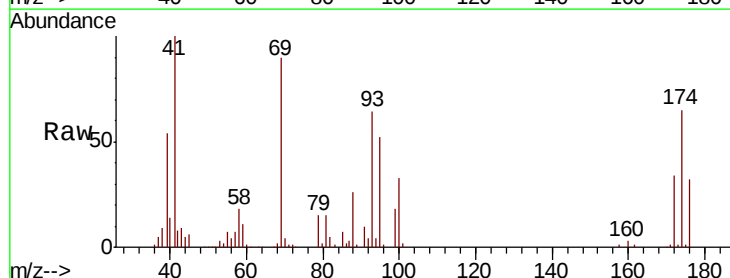
Tgt Ion: 41 Resp: 114665

Ion Ratio Lower Upper

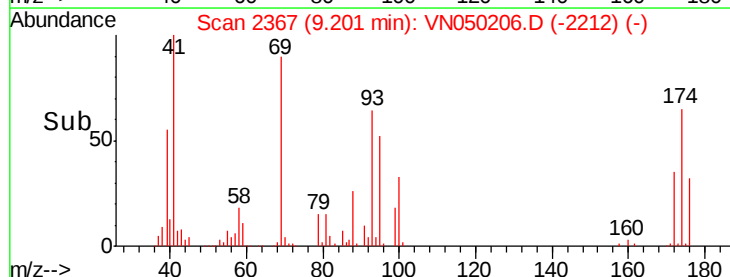
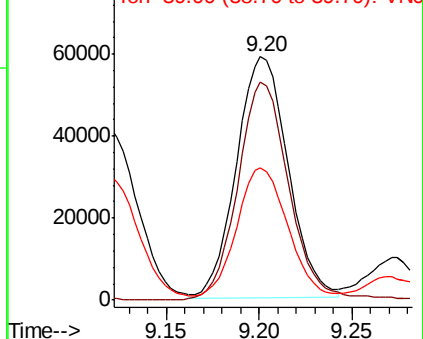
41 100

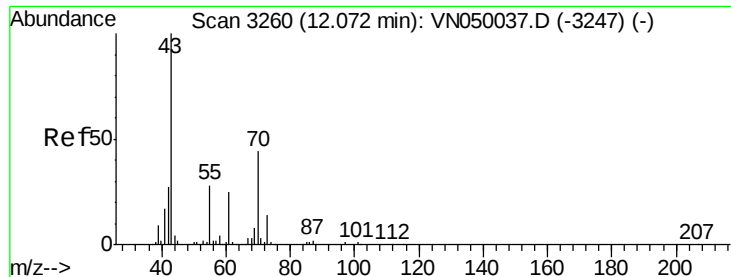
69 91.2 44.0 132.1

39 54.0 27.0 80.8



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





#47

n-amyl Acetate

Concen: 17.86 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

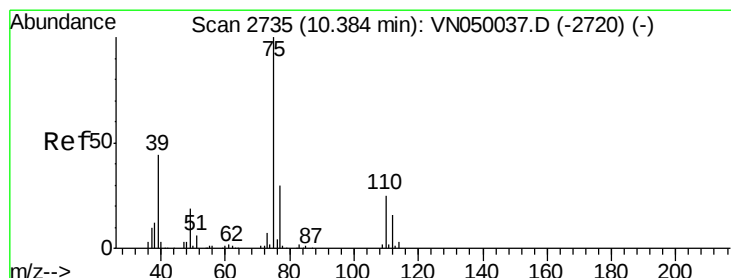
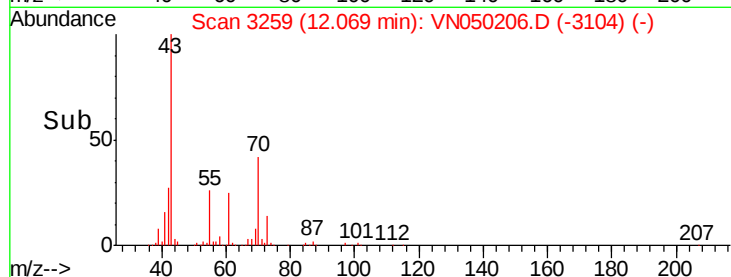
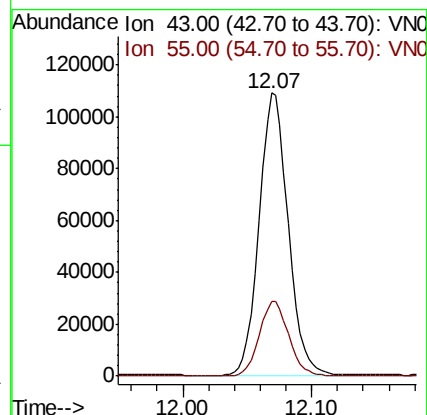
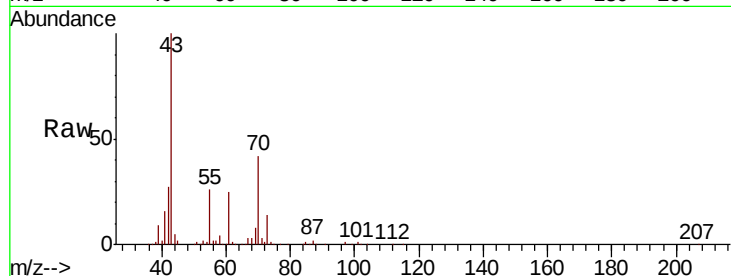
VN0731WBSD01

Tot Ion: 43 Resp: 171561

Ion Ratio Lower Upper

43 100

55 26.9 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 19.21 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050206.D

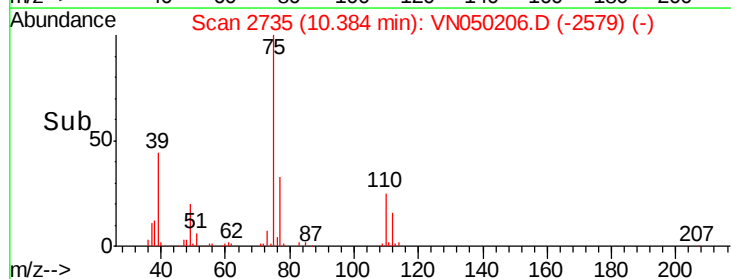
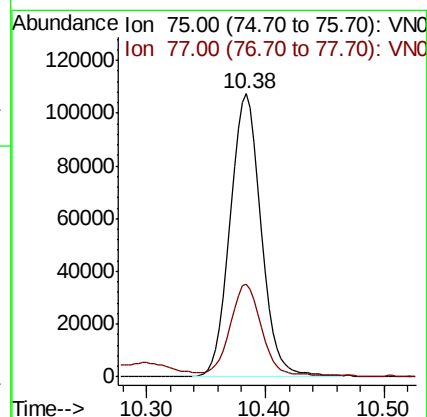
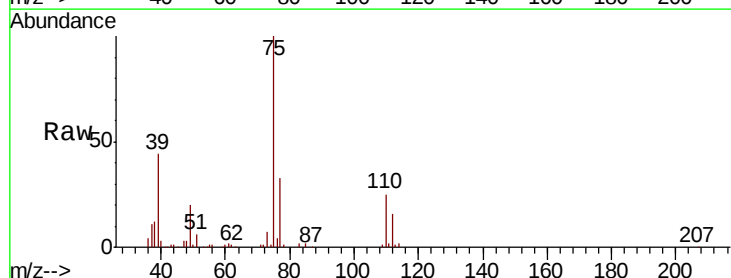
Acq: 31 Jul 2018 10:26

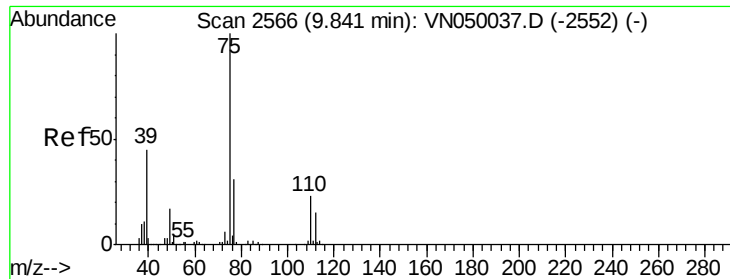
Tgt Ion: 75 Resp: 194202

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.11 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

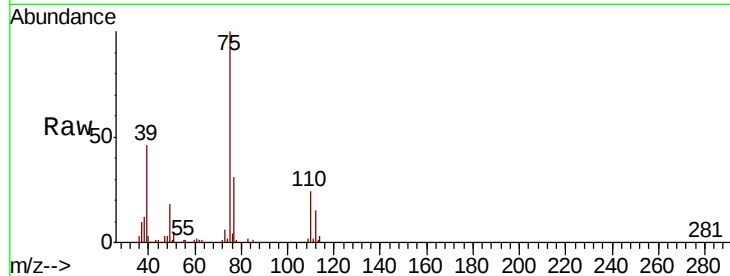
Tot Ion: 75 Resp: 227016

Ion Ratio Lower Upper

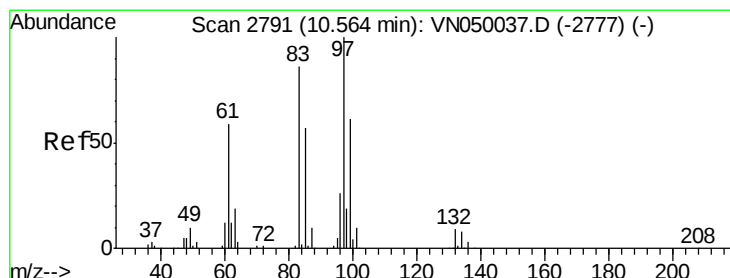
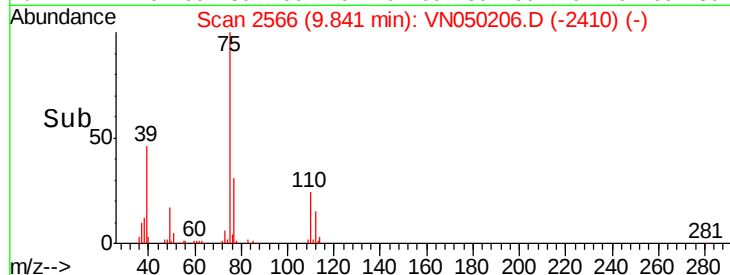
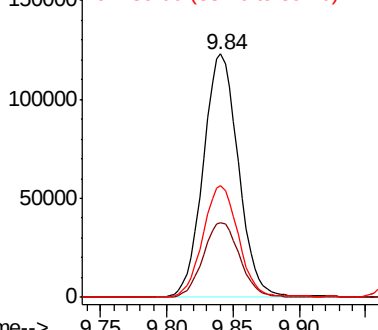
75 100

77 30.9 25.7 38.5

39 45.7 36.3 54.5



Abundance Ion 75.00 (74.70 to 75.70): VNC
Ion 77.00 (76.70 to 77.70): VNC
Ion 39.00 (38.70 to 39.70): VNC



#50

1,1,2-Trichloroethane

Concen: 19.73 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion: 97 Resp: 142377

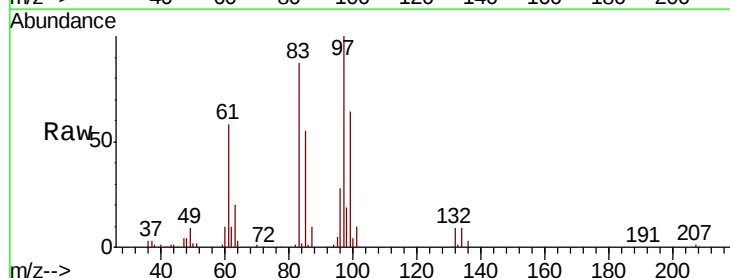
Ion Ratio Lower Upper

97 100

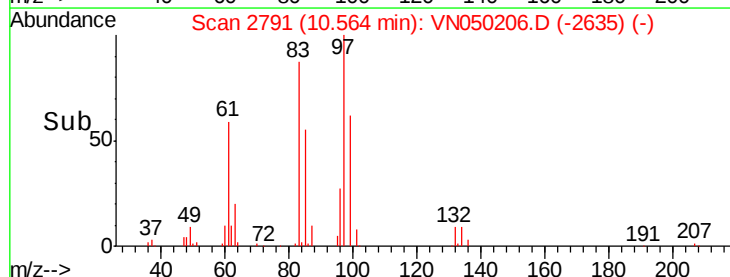
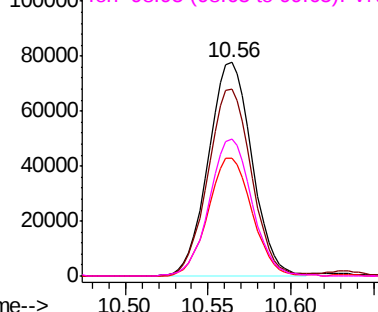
83 87.4 68.1 102.1

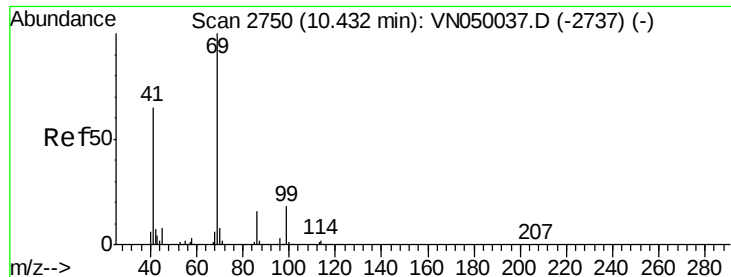
85 55.2 45.4 68.2

99 64.1 49.4 74.0



Abundance Ion 97.00 (96.70 to 97.70): VNC
Ion 82.95 (82.65 to 83.65): VNC
Ion 84.95 (84.65 to 85.65): VNC
Ion 98.95 (98.65 to 99.65): VNC





#51

Ethyl methacrylate

Concen: 18.85 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleID :

VN0731WBSD01

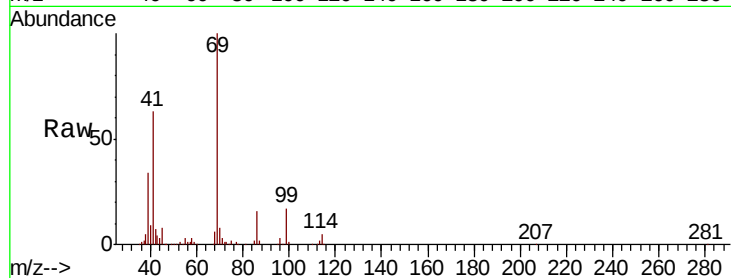
Tot Ion: 69 Resp: 165124

Ion Ratio Lower Upper

69 100

41 62.2 31.9 95.9

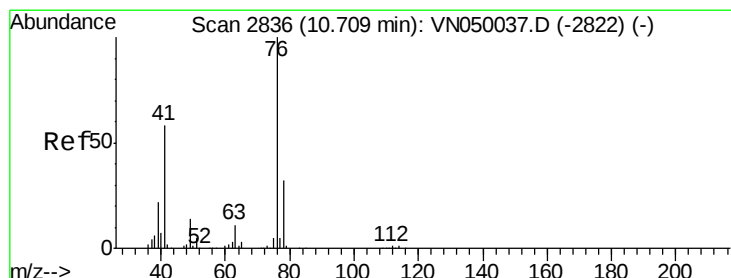
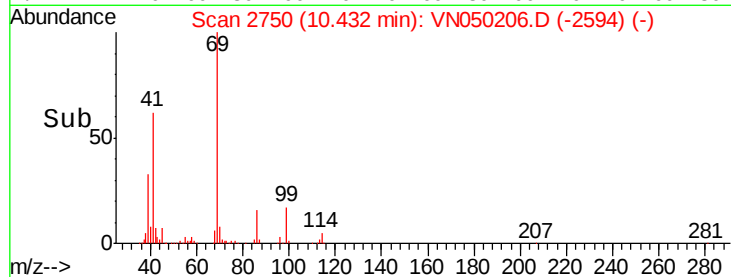
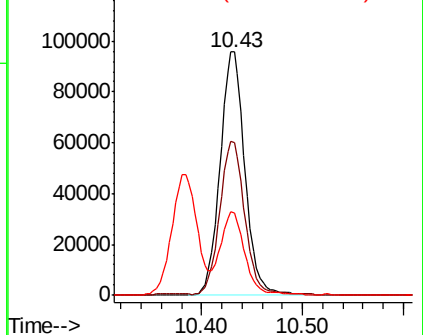
39 33.3 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.77 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050206.D

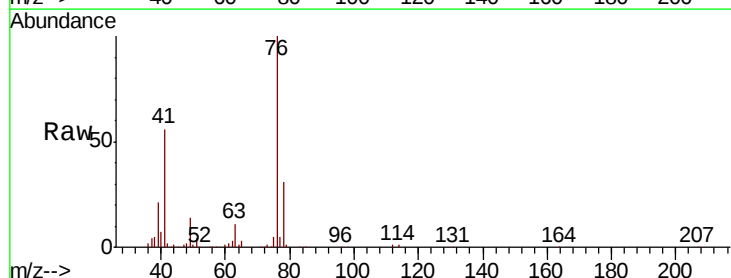
Acq: 31 Jul 2018 10:26

Tgt Ion: 76 Resp: 234267

Ion Ratio Lower Upper

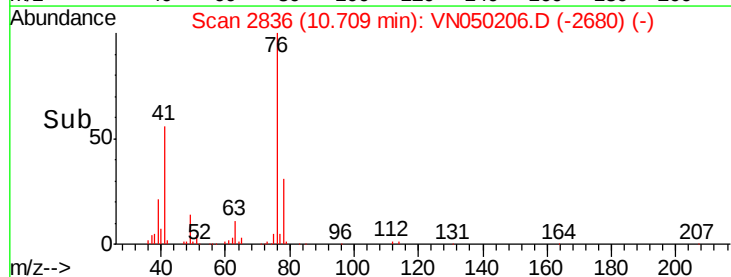
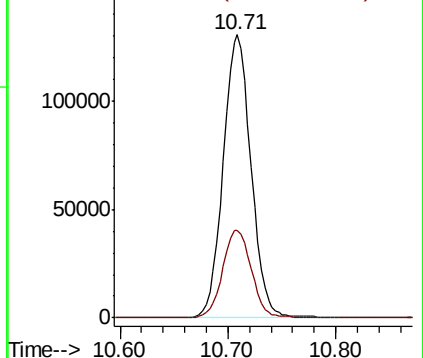
76 100

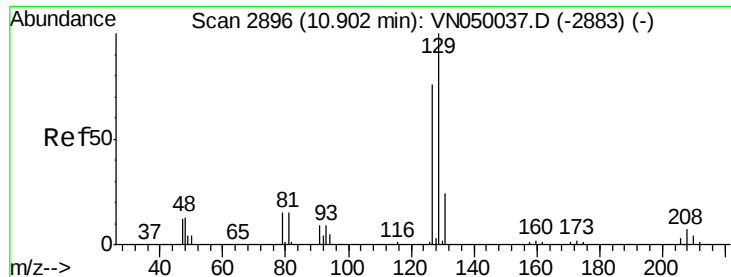
78 32.0 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.12 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

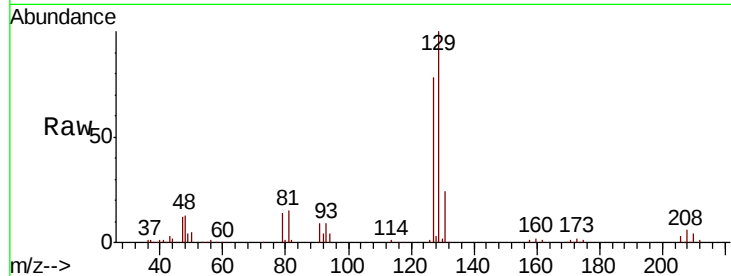
VN0731WBSD01

Tot Ion:129 Resp: 156600

Ion Ratio Lower Upper

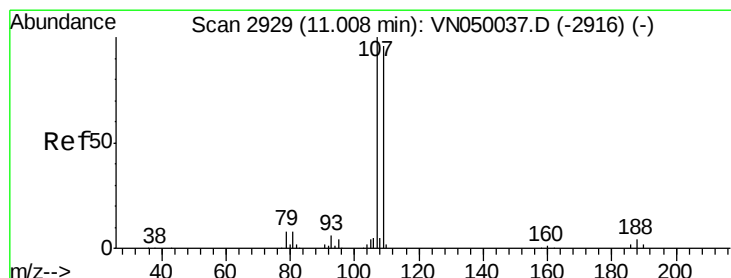
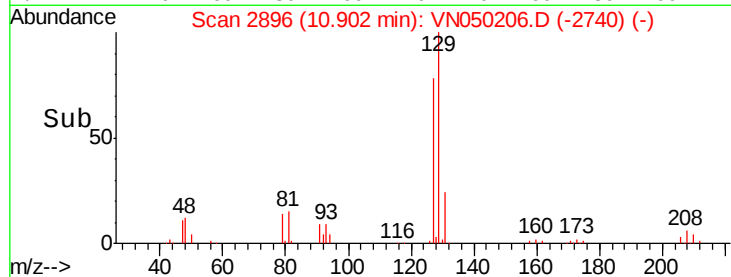
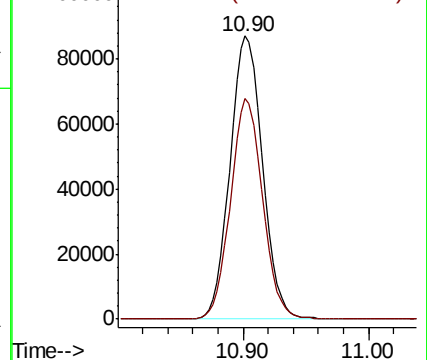
129 100

127 76.8 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.32 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050206.D

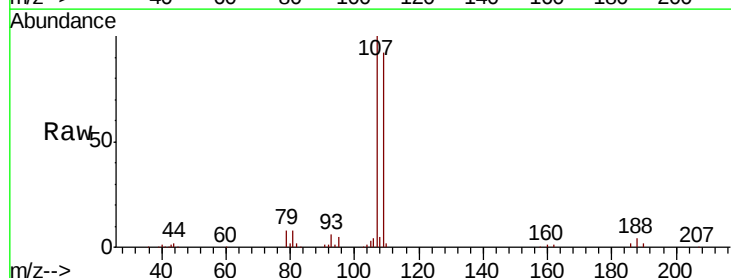
Acq: 31 Jul 2018 10:26

Tgt Ion:107 Resp: 136581

Ion Ratio Lower Upper

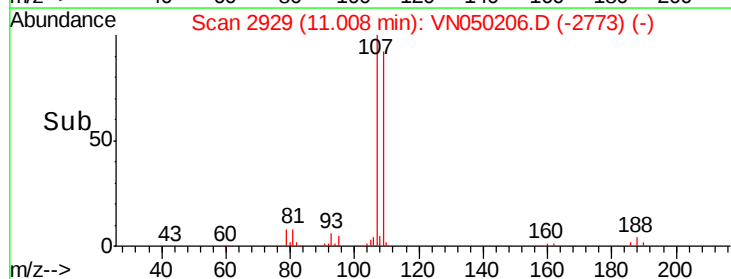
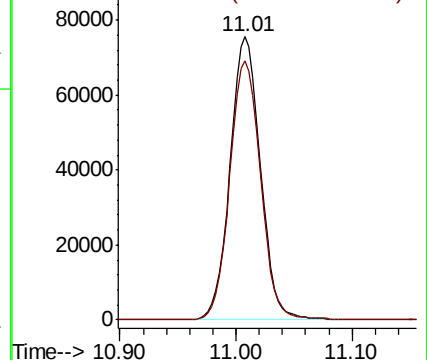
107 100

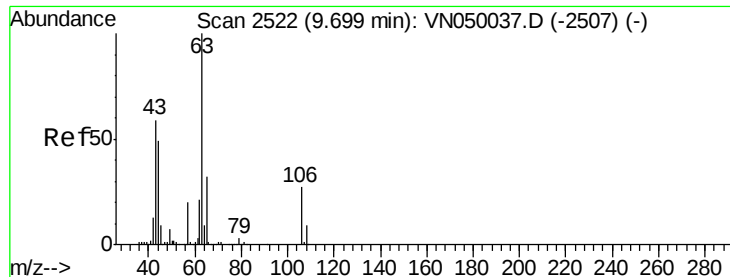
109 93.2 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 90.55 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

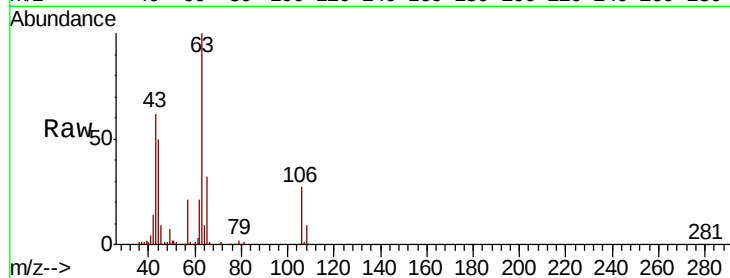
Tot Ion: 63 Resp: 359018

Ion Ratio Lower Upper

63 100

65 32.2 25.5 38.3

106 27.2 21.8 32.6

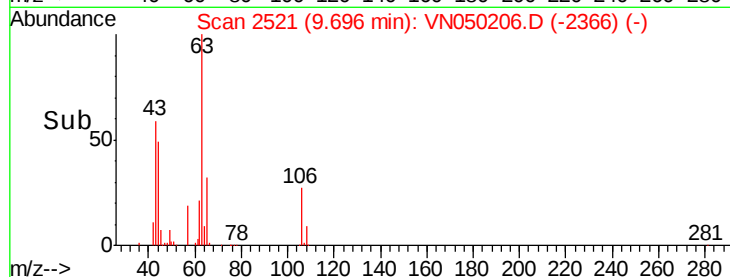


Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050037.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050037.D (-2507) (-)

Time-->

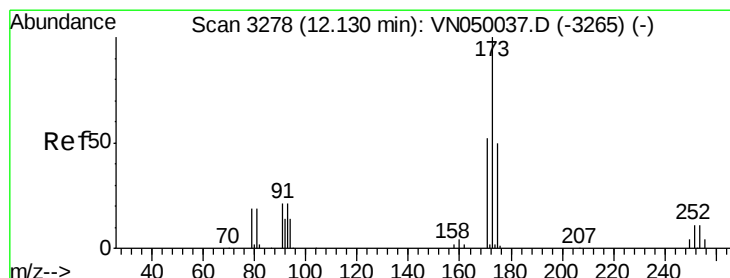


Abundance Ion 63.00 (62.70 to 63.70): VN050206.D (-2366) (-)

Ion 65.00 (64.70 to 65.70): VN050206.D (-2366) (-)

Ion 106.00 (105.70 to 106.70): VN050206.D (-2366) (-)

Time-->



#56

Bromoform

Concen: 18.43 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

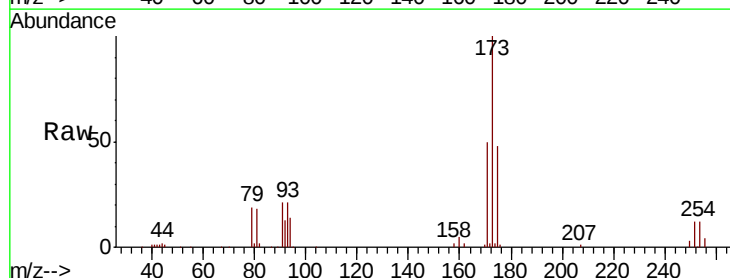
Tgt Ion: 173 Resp: 106612

Ion Ratio Lower Upper

173 100

175 49.2 38.6 57.8

254 10.0 8.8 13.2

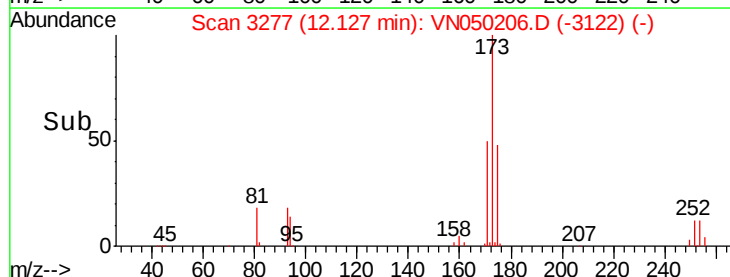


Abundance Ion 173.00 (172.70 to 173.70): VN050037.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050037.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050037.D (-3265) (-)

Time-->

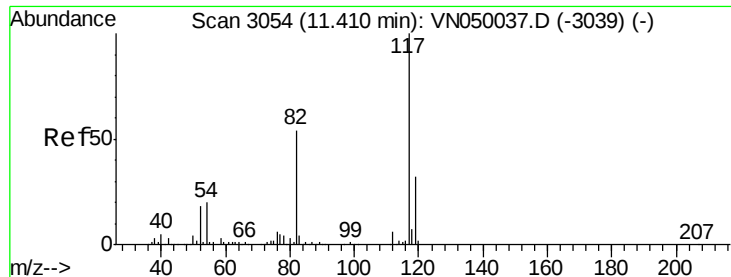


Abundance Ion 173.00 (172.70 to 173.70): VN050206.D (-3122) (-)

Ion 175.00 (174.70 to 175.70): VN050206.D (-3122) (-)

Ion 254.00 (253.70 to 254.70): VN050206.D (-3122) (-)

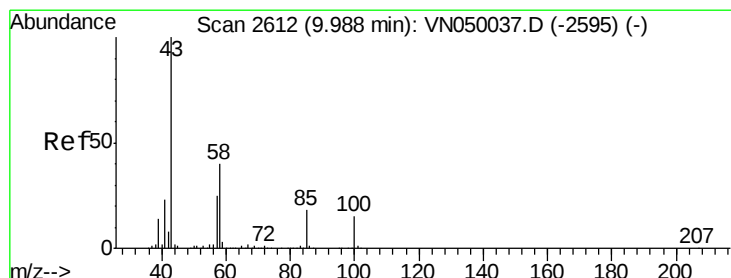
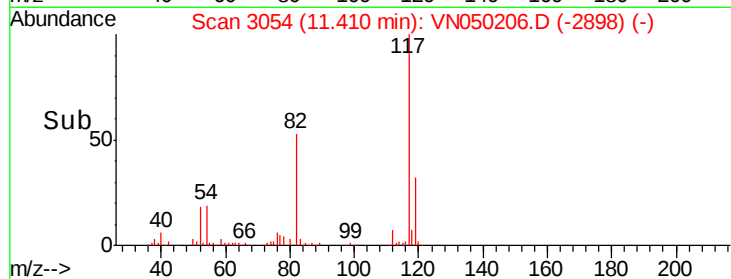
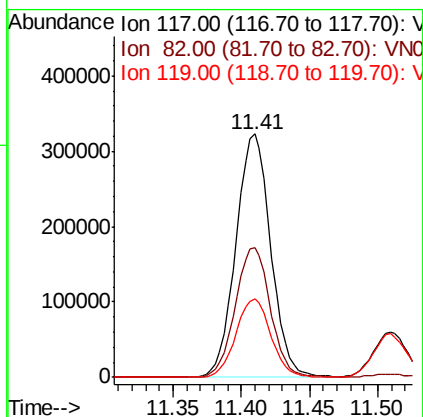
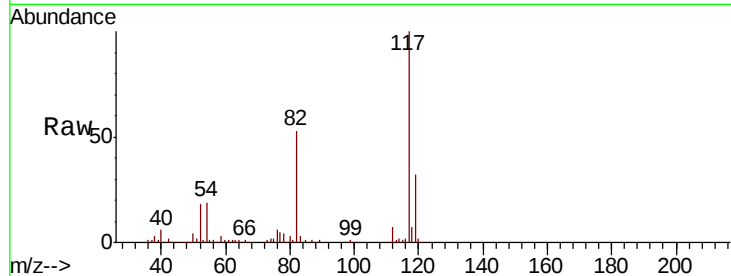
Time-->



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

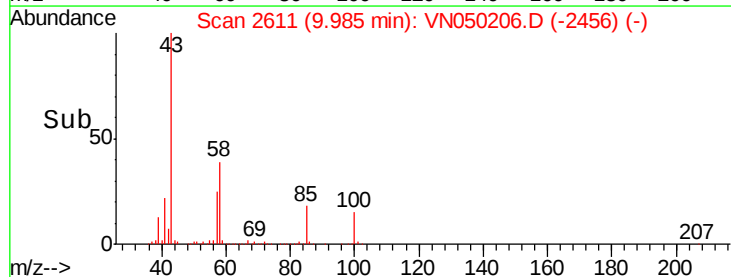
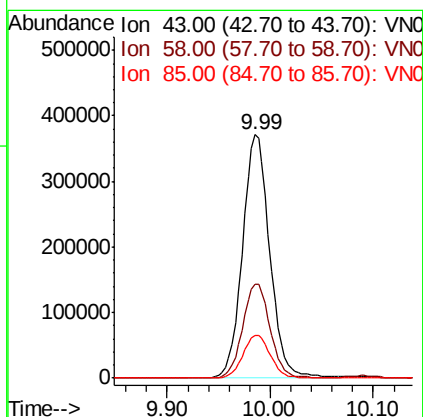
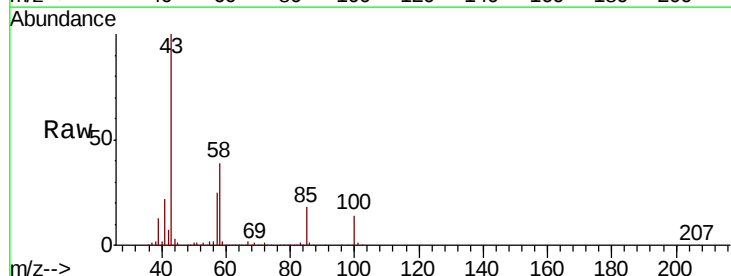
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

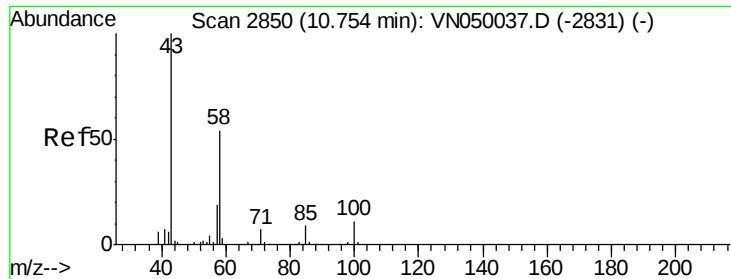
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.4	63.6
119	32.2	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 101.60 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.2	46.8
85	18.0	14.4	21.6

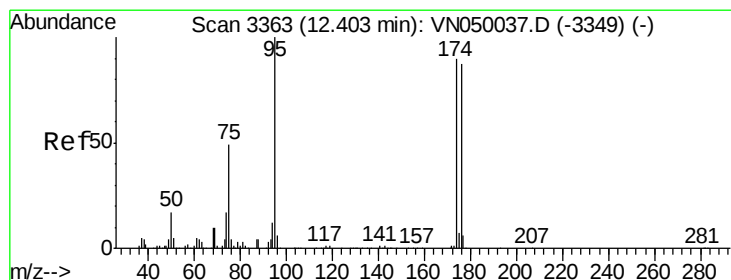
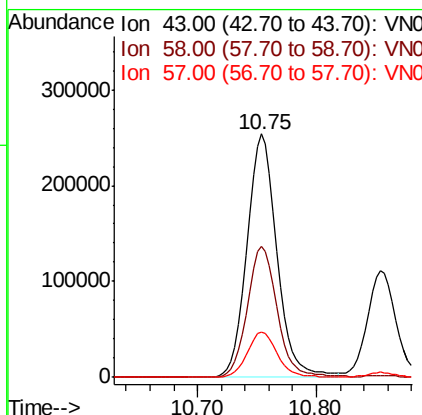
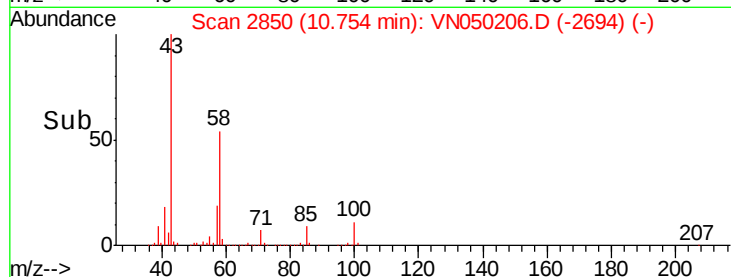
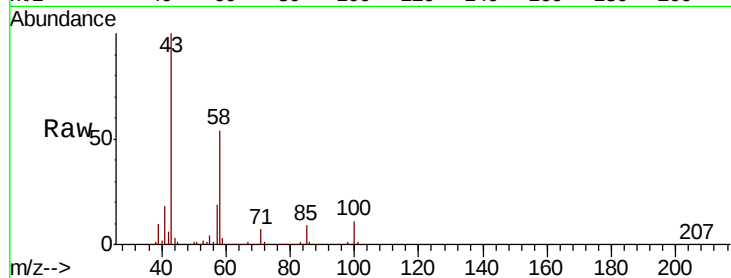




#59
2-Hexanone
Concen: 96.59 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

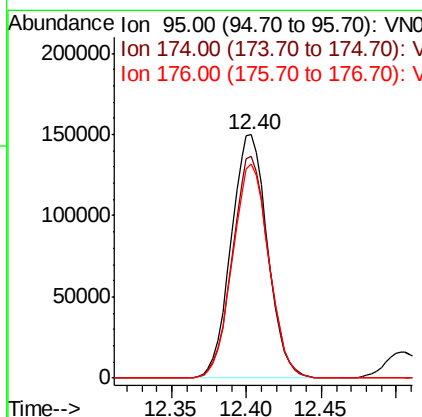
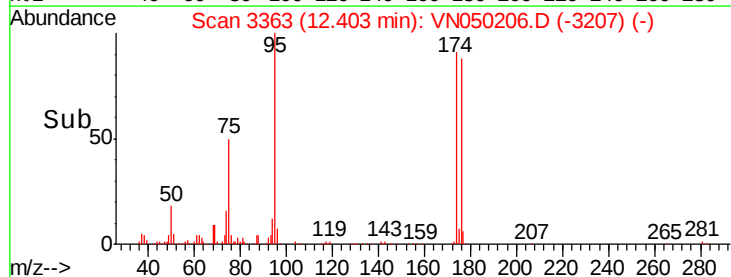
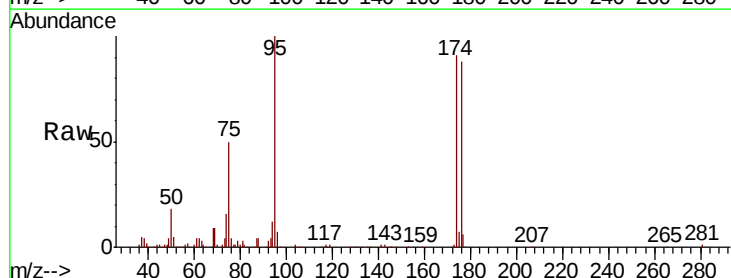
Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

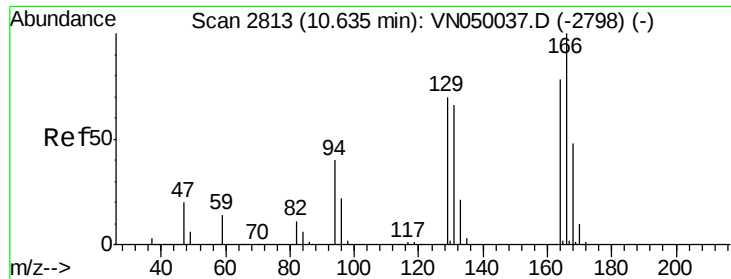
Tot Ion: 43 Resp: 439472
Ion Ratio Lower Upper
43 100
58 54.2 43.8 65.8
57 18.9 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 28.82 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 95 Resp: 253800
Ion Ratio Lower Upper
95 100
174 90.3 72.3 108.5
176 87.8 70.0 105.0





#61

Tetrachloroethene

Concen: 18.14 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion:164 Resp: 140800

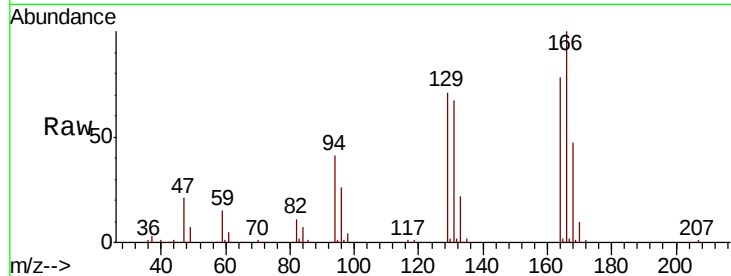
Ion Ratio Lower Upper

164 100

166 129.0 100.0 150.0

129 91.7 69.3 103.9

131 86.9 68.8 103.2

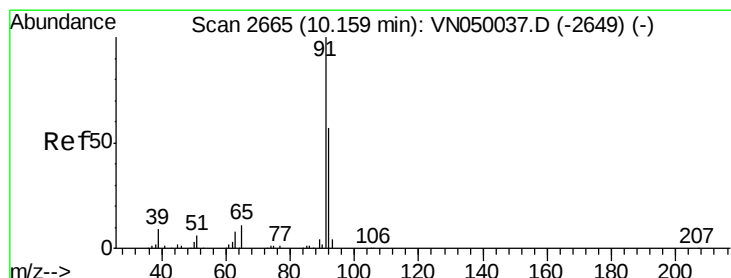
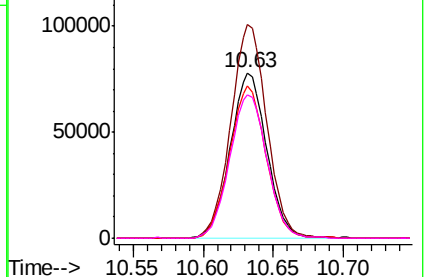
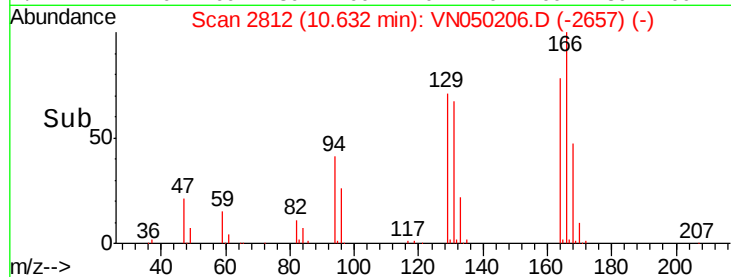


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.05 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050206.D

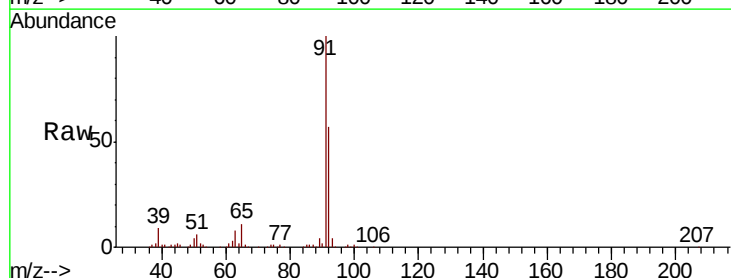
Acq: 31 Jul 2018 10:26

Tgt Ion: 91 Resp: 622990

Ion Ratio Lower Upper

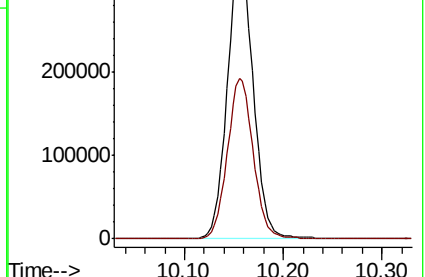
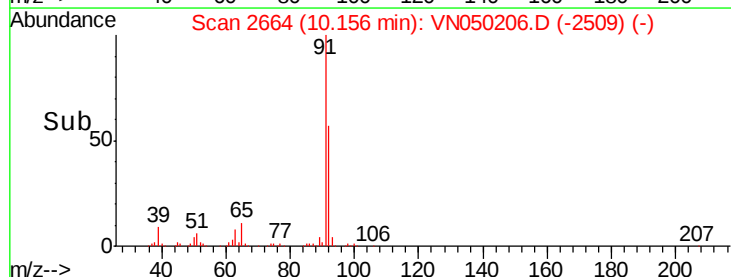
91 100

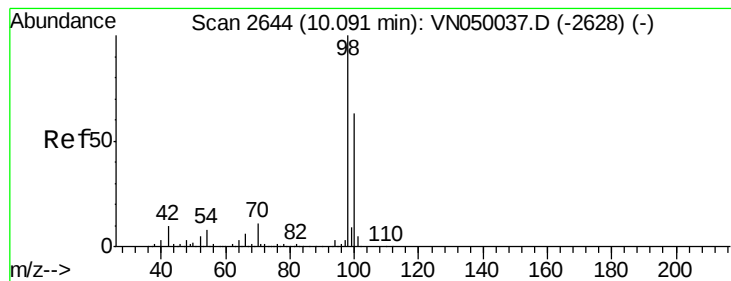
92 56.6 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.97 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

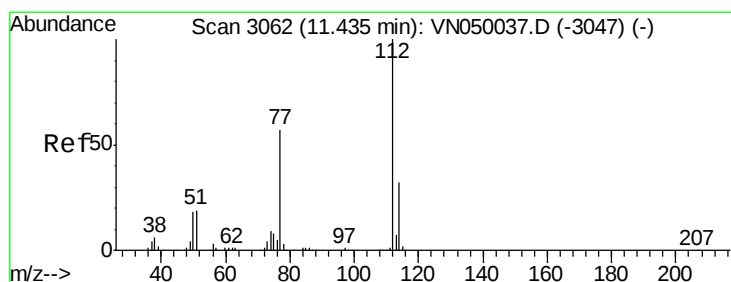
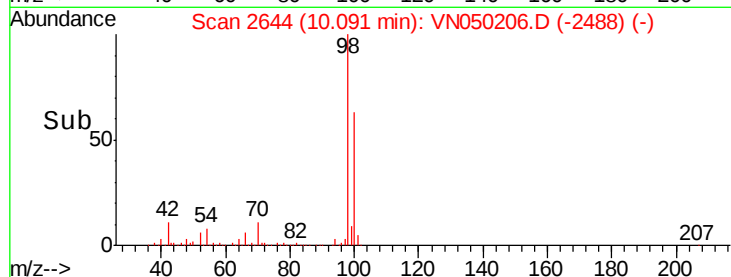
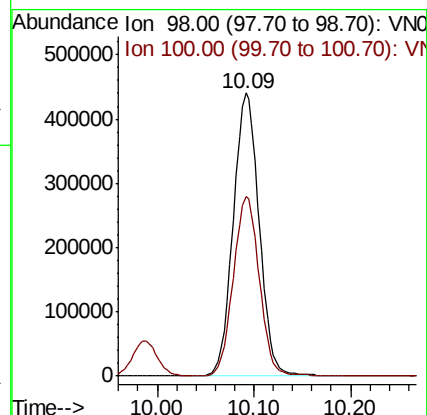
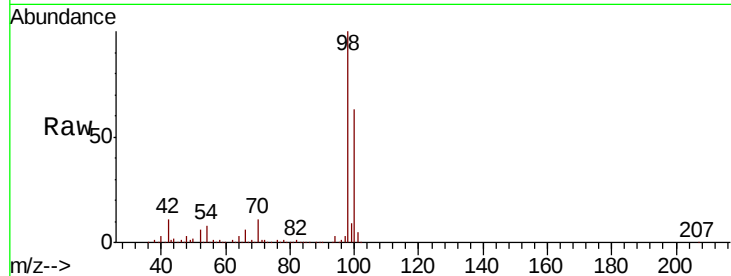
VN0731WBSD01

Tot Ion: 98 Resp: 820376

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



#64

Chlorobenzene

Concen: 19.19 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050206.D

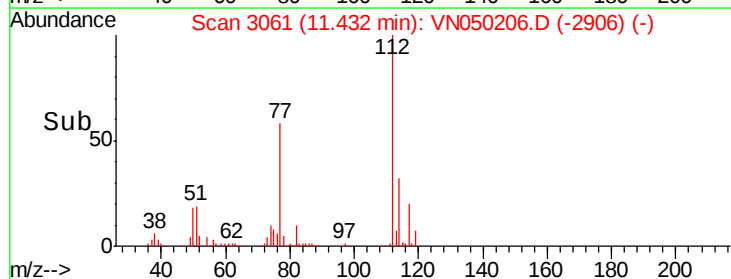
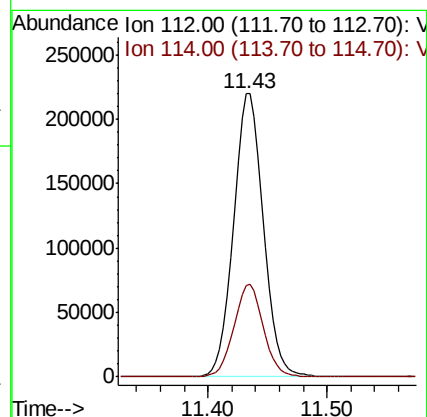
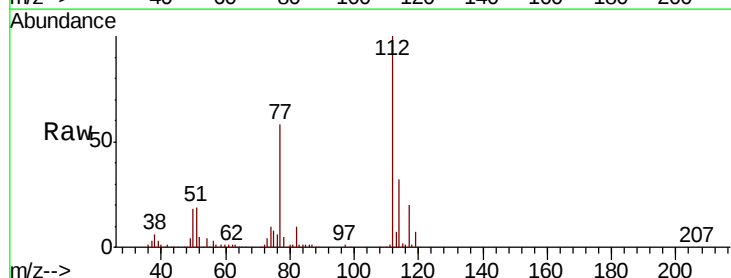
Acq: 31 Jul 2018 10:26

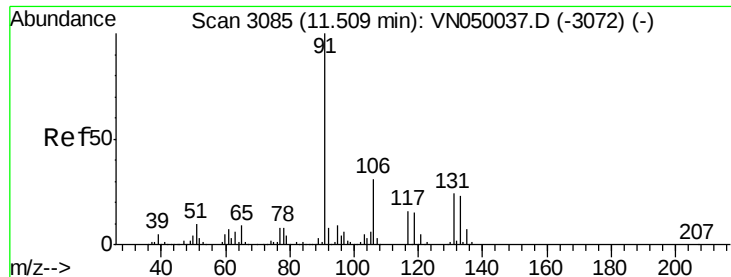
Tgt Ion: 112 Resp: 380581

Ion Ratio Lower Upper

112 100

114 32.4 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.53 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

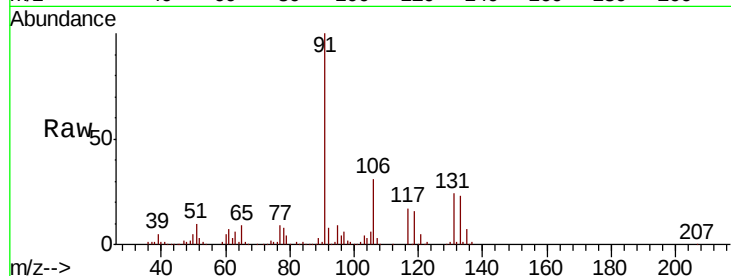
Tot Ion:131 Resp: 151015

Ion Ratio Lower Upper

131 100

133 94.3 0.0 190.0

119 66.2 0.0 131.6

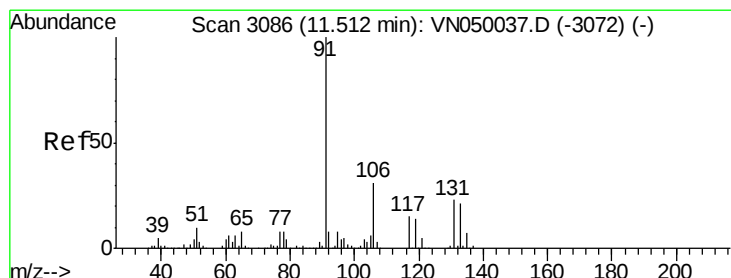
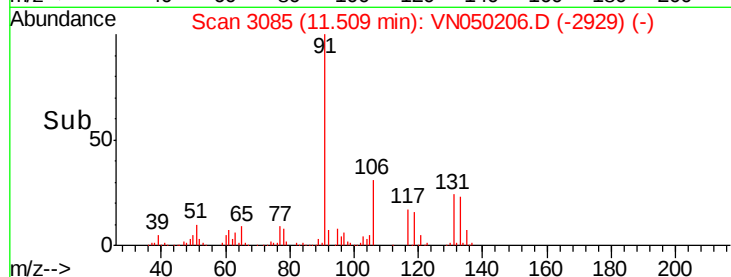
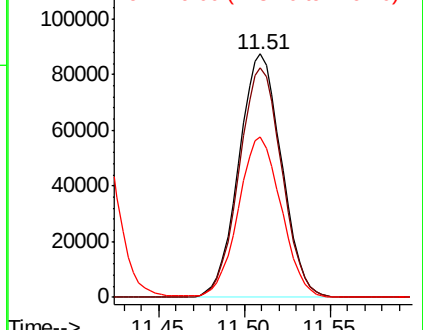


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.44 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050206.D

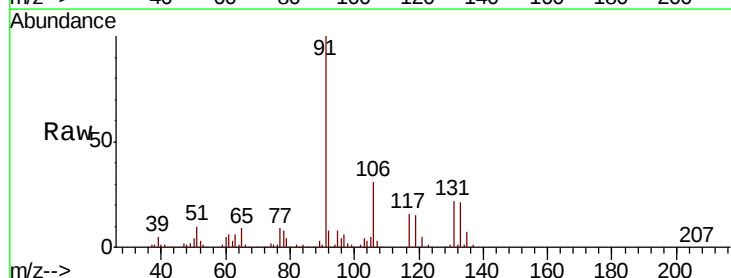
Acq: 31 Jul 2018 10:26

Tgt Ion: 91 Resp: 616179

Ion Ratio Lower Upper

91 100

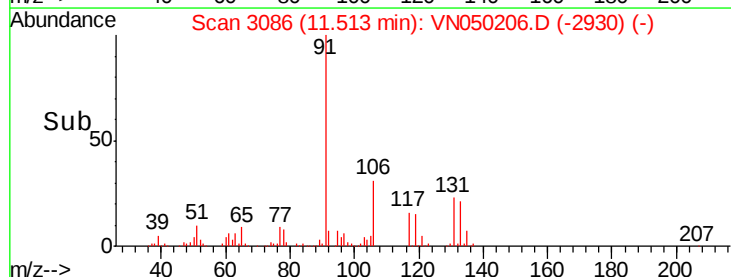
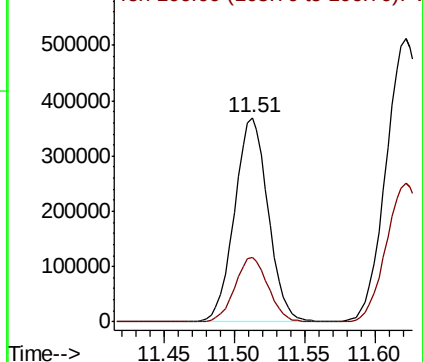
106 31.4 25.1 37.7

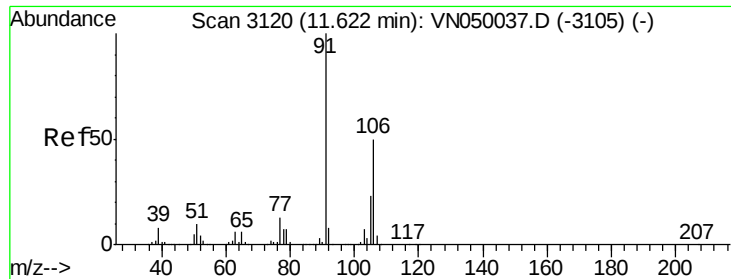


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 37.58 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

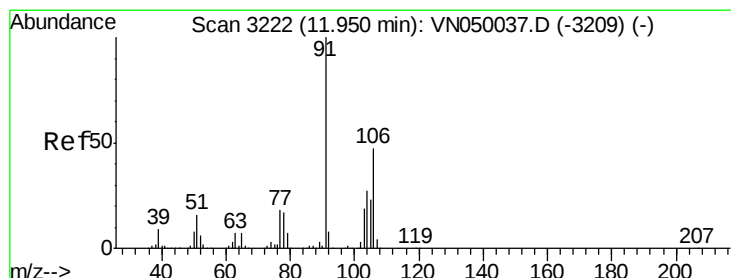
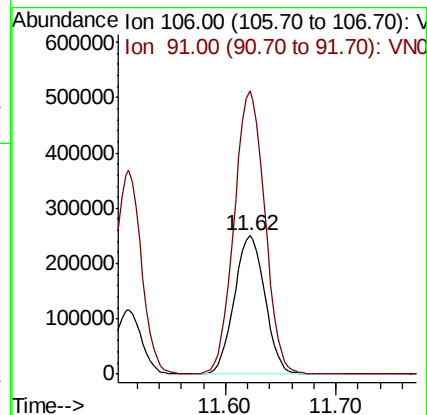
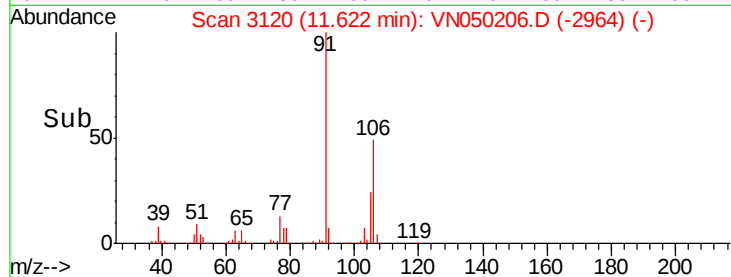
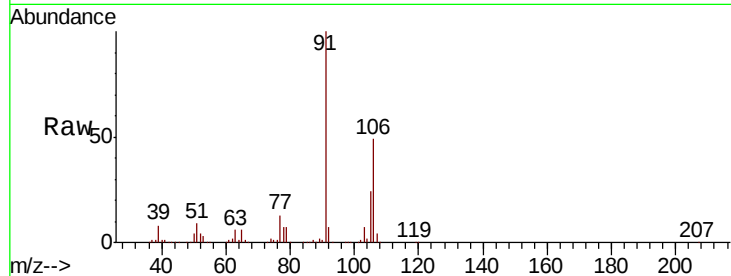
VN0731WBSD01

Tot Ion:106 Resp: 483312

Ion Ratio Lower Upper

106 100

91 204.1 162.5 243.7



#68

o-Xylene

Concen: 19.01 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050206.D

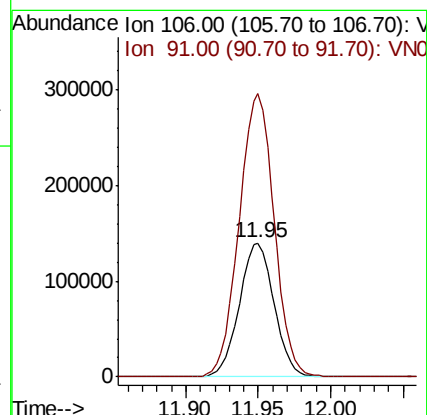
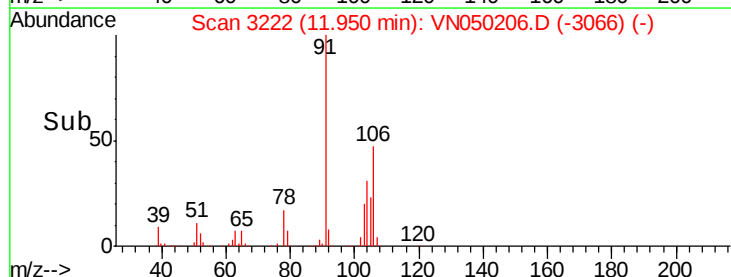
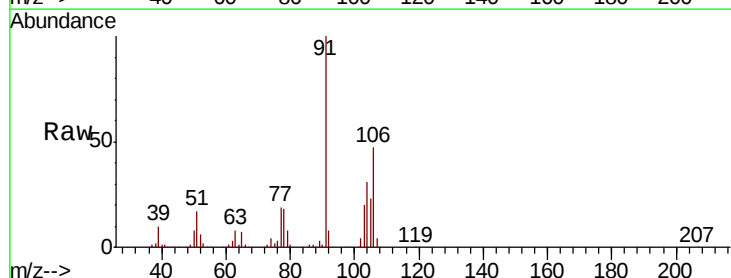
Acq: 31 Jul 2018 10:26

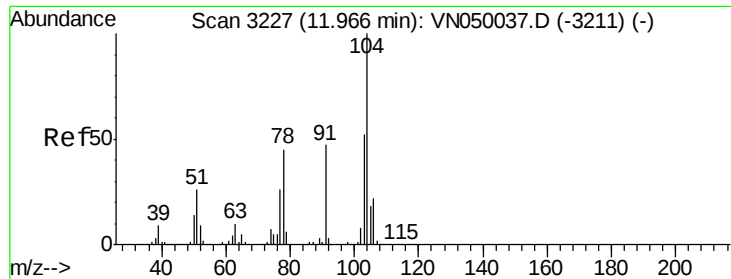
Tgt Ion:106 Resp: 232647

Ion Ratio Lower Upper

106 100

91 213.9 106.8 320.4





#69

Stvrene

Concen: 18.74 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

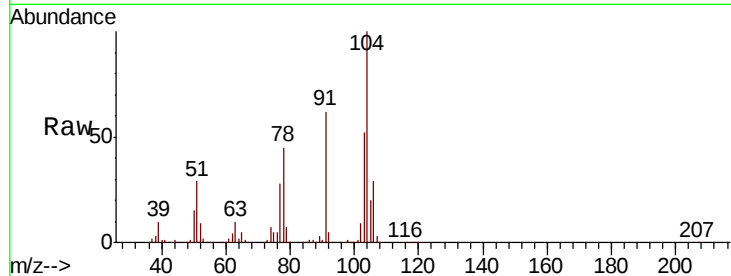
Tot Ion:104 Resp: 367676

Ion Ratio Lower Upper

104 100

78 48.6 39.3 58.9

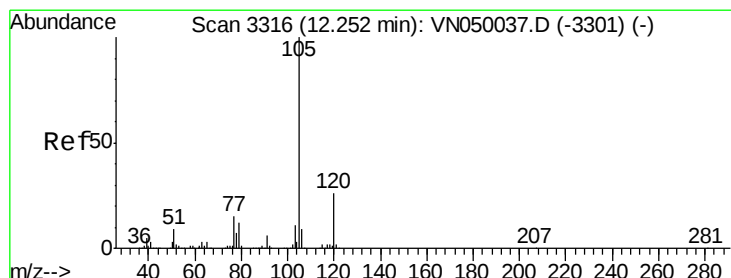
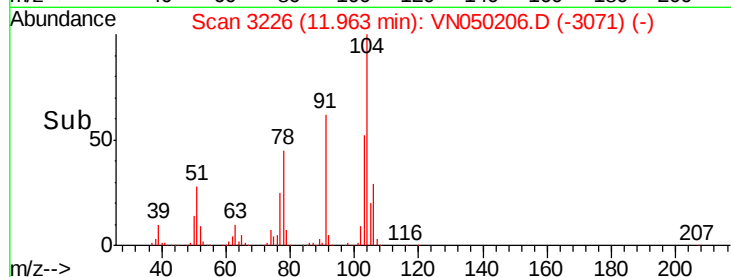
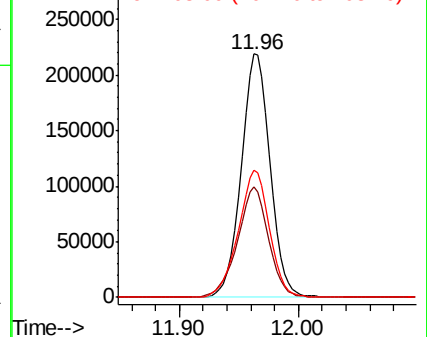
103 56.3 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 18.64 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050206.D

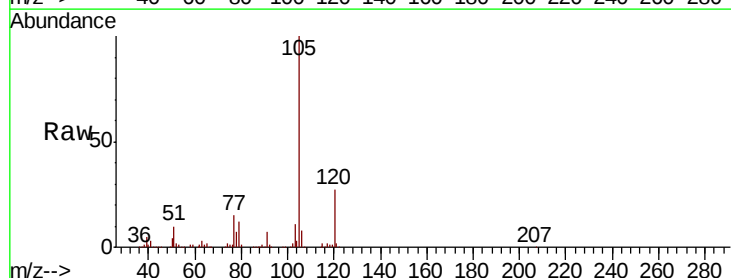
Acq: 31 Jul 2018 10:26

Tgt Ion:105 Resp: 607419

Ion Ratio Lower Upper

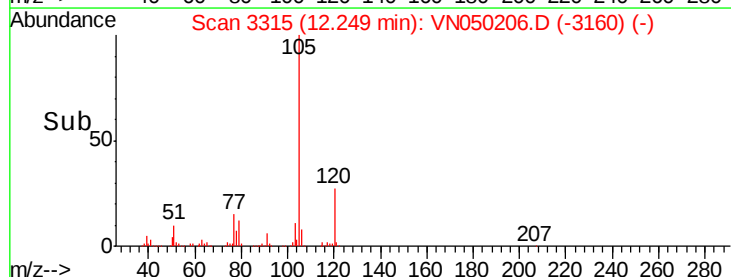
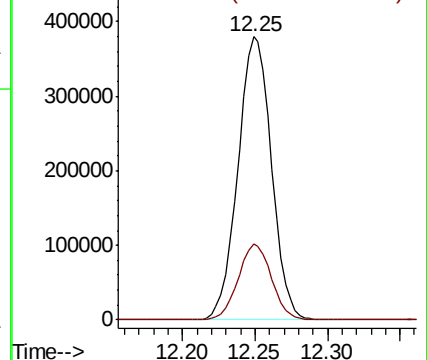
105 100

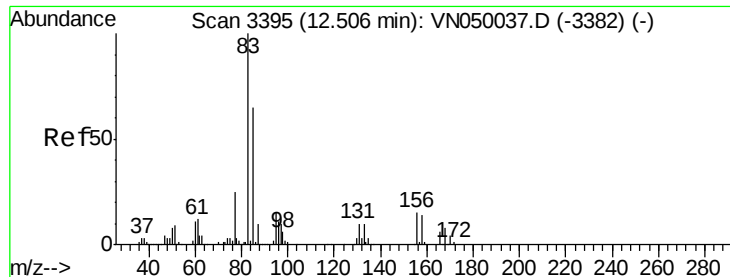
120 26.6 18.9 35.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

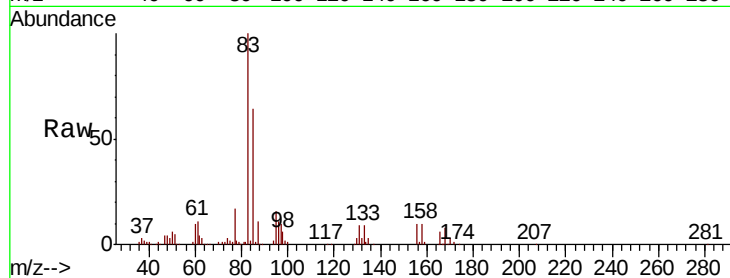




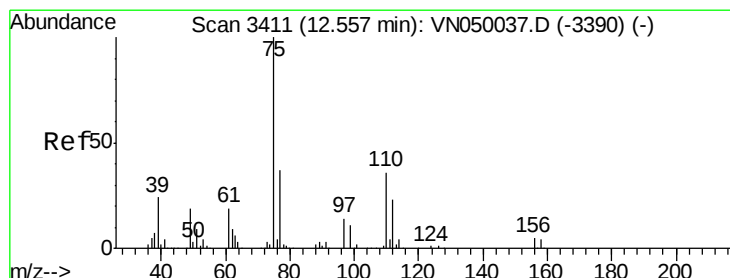
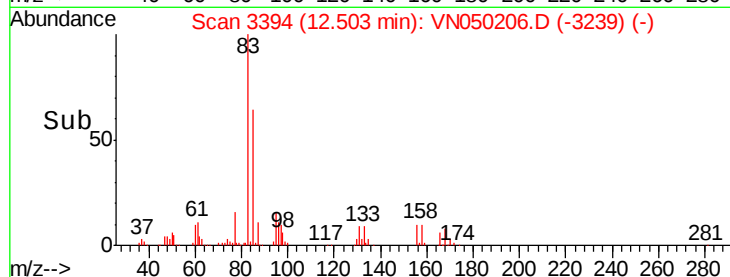
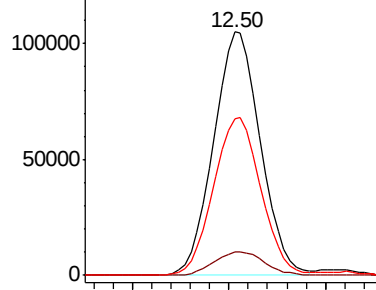
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.75 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	83	Resp	176664
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	65.5	31.7	95.1

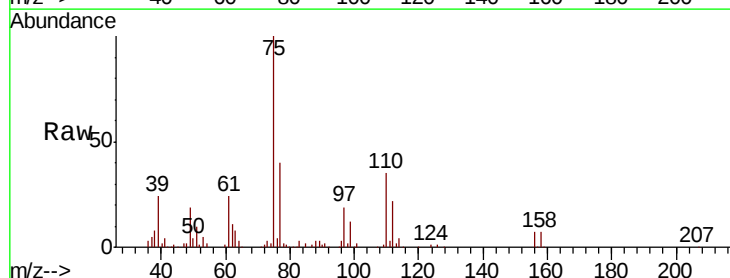


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

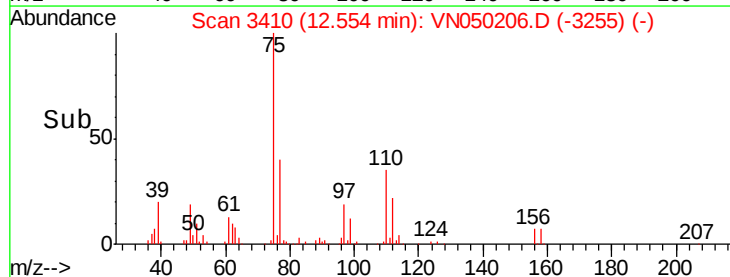
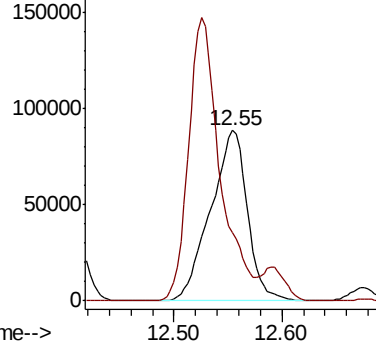


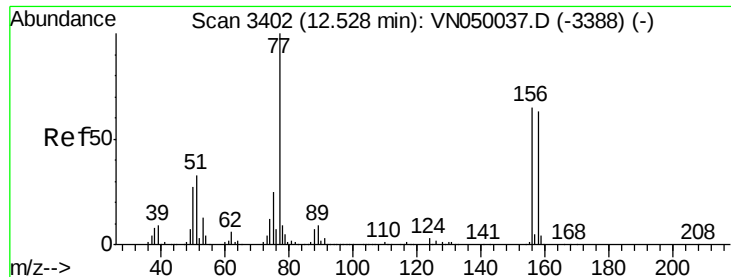
#72
 1,2,3-Trichloropropane
 Concen: 27.52 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion	75	Resp	210331
Ion Ratio	Lower	Upper	
75	100		
77	142.8	0.0	454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.54 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

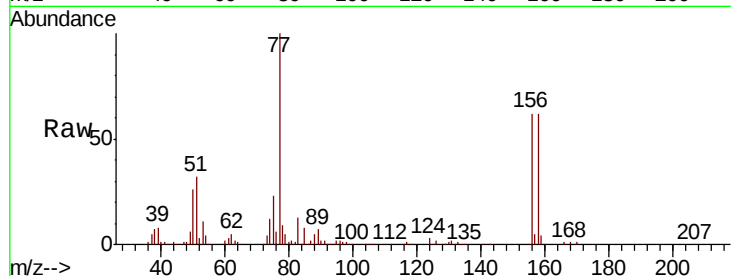
Tot Ion:156 Resp: 160941

Ion Ratio Lower Upper

156 100

77 186.6 0.0 359.8

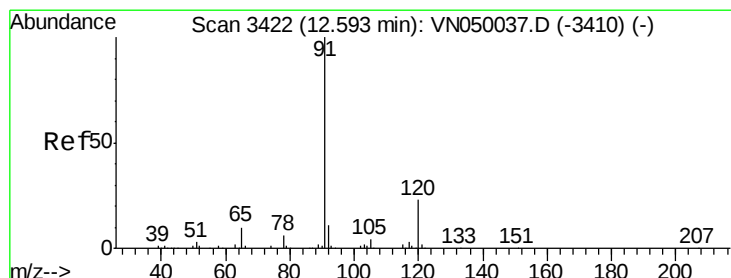
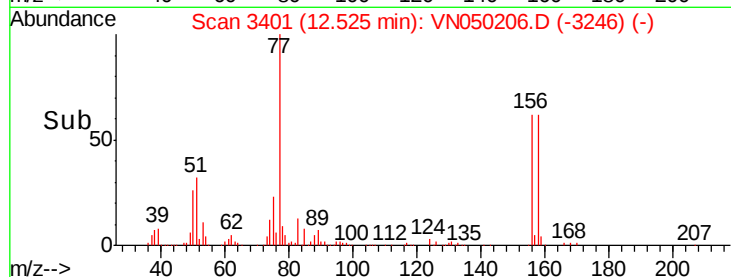
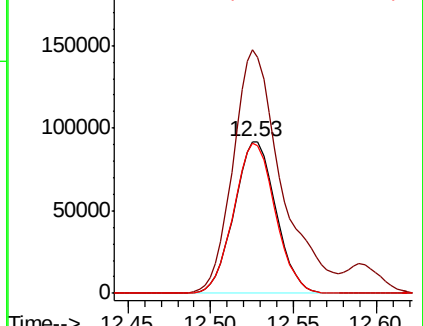
158 98.2 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.12 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050206.D

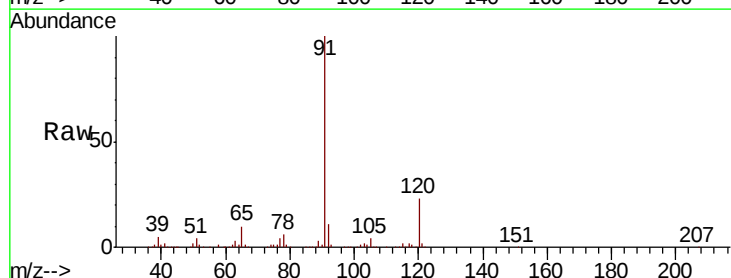
Acq: 31 Jul 2018 10:26

Tgt Ion: 91 Resp: 687509

Ion Ratio Lower Upper

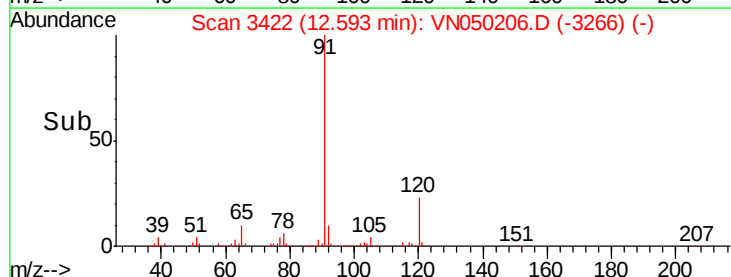
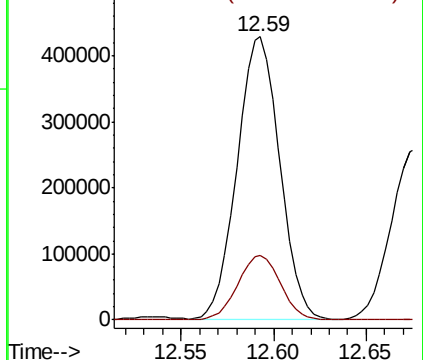
91 100

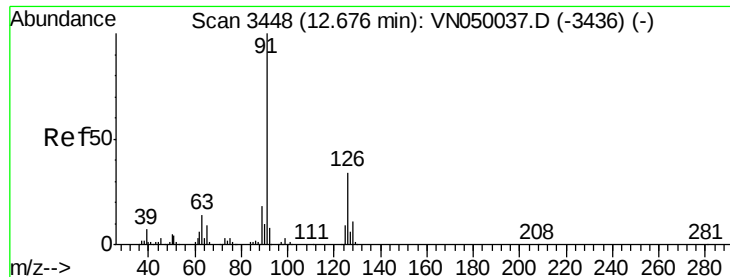
120 22.8 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.69 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

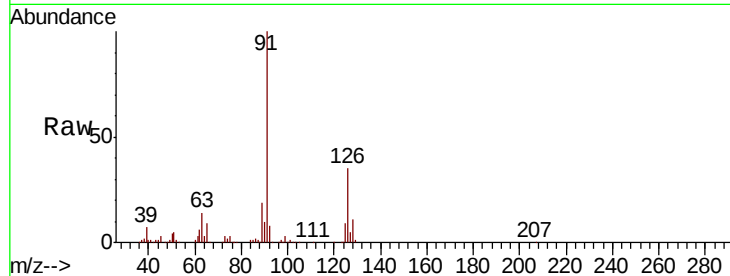
VN0731WBSD01

Tot Ion: 91 Resp: 426144

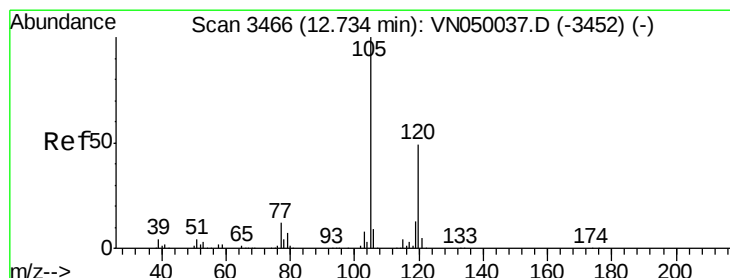
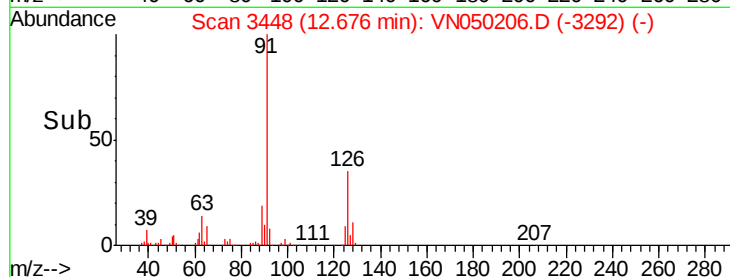
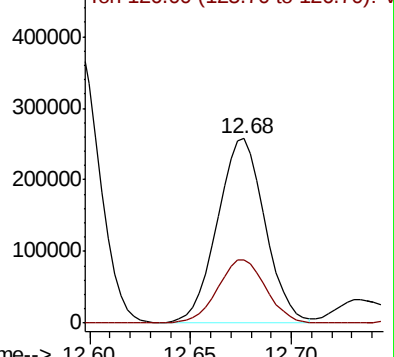
Ion Ratio Lower Upper

91 100

126 34.7 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.66 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050206.D

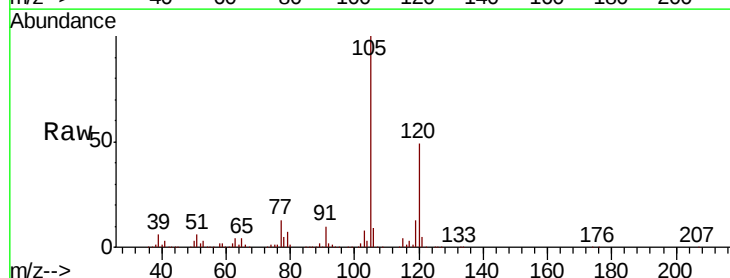
Acq: 31 Jul 2018 10:26

Tgt Ion: 105 Resp: 499355

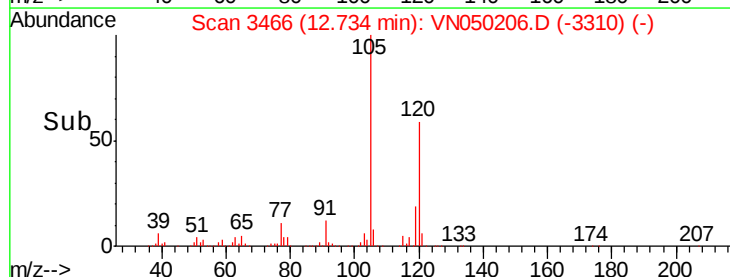
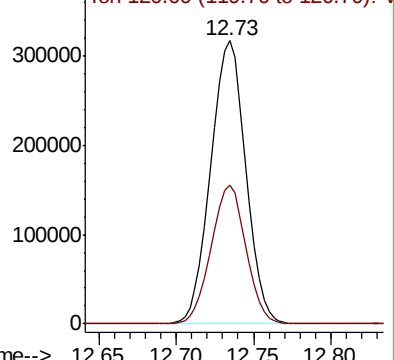
Ion Ratio Lower Upper

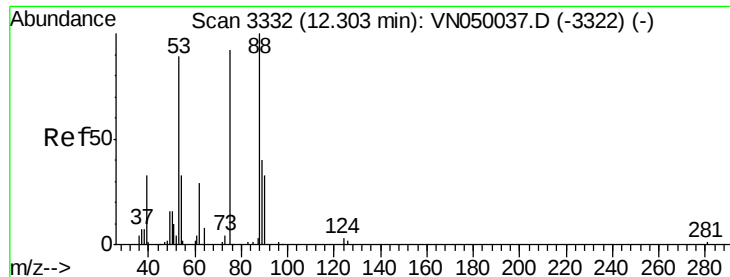
105 100

120 48.7 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)

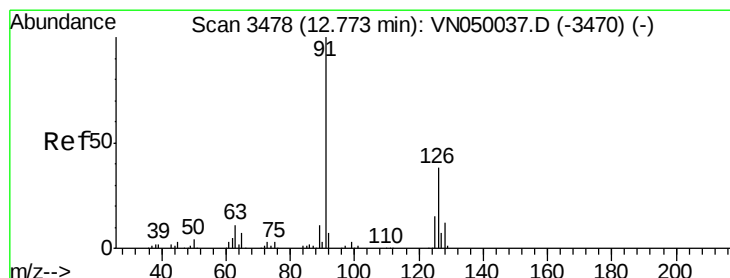
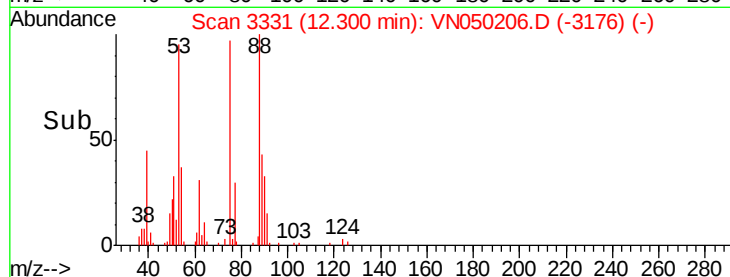
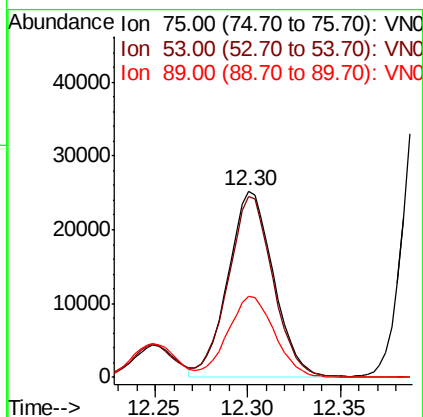
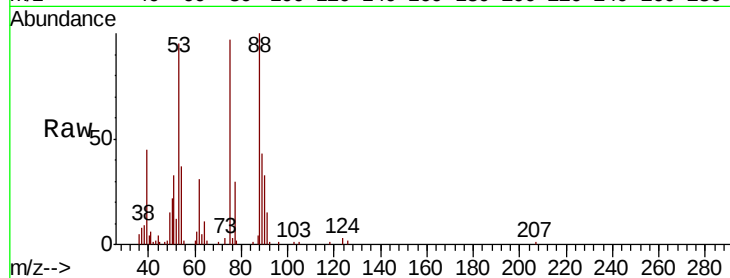




#77
t-1,4-Dichloro-2-butene
Concen: 17.21 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

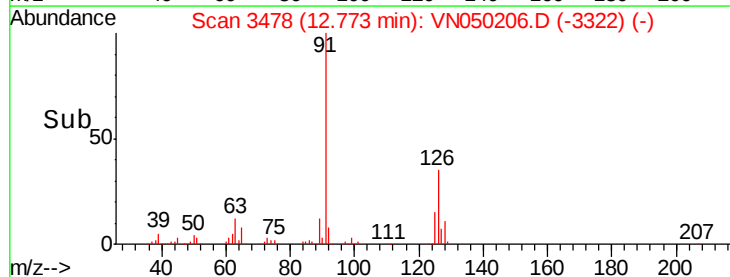
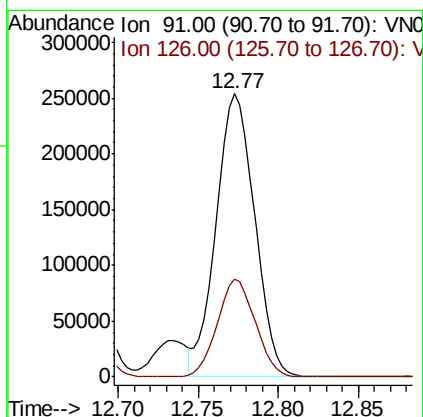
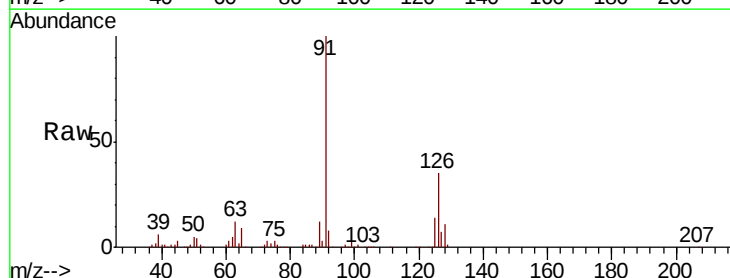
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

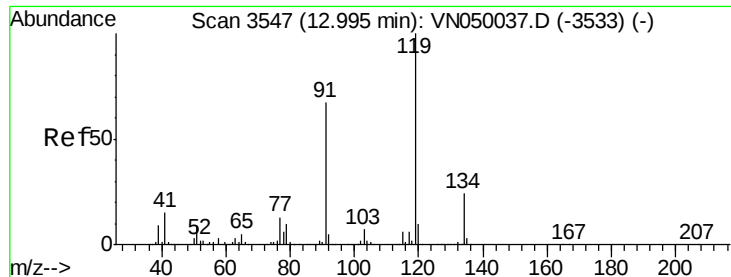
Tot Ion: 75 Resp: 43001
Ion Ratio Lower Upper
75 100
53 96.4 44.6 134.0
89 43.7 20.7 62.1



#78
4-Chlorotoluene
Concen: 18.63 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 91 Resp: 420759
Ion Ratio Lower Upper
91 100
126 33.8 0.0 68.4

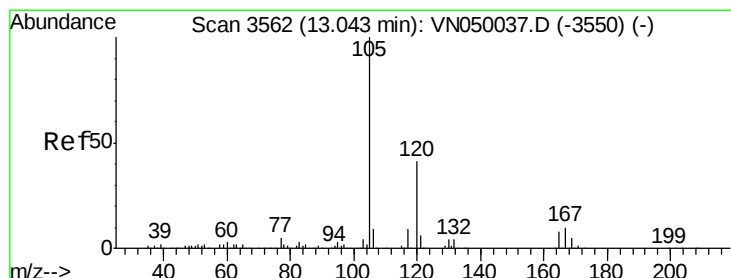
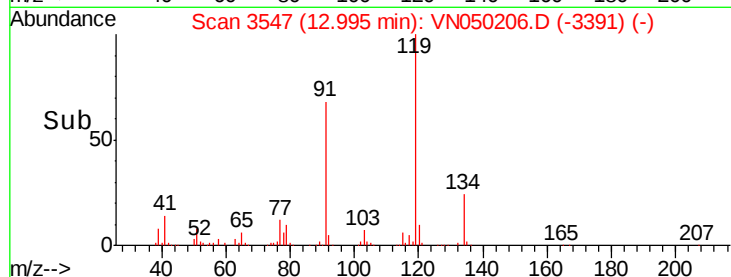
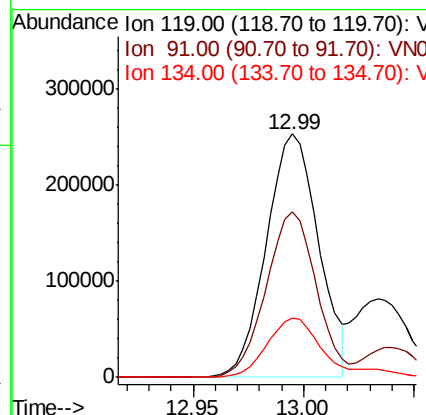
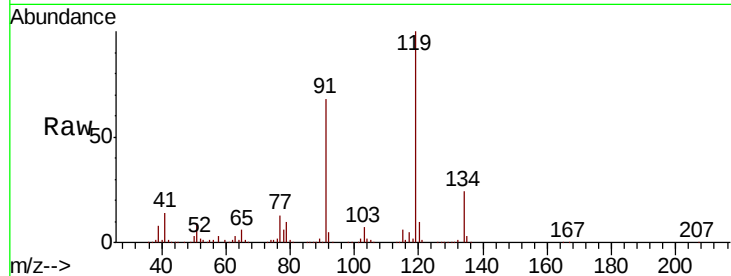




#79
tert-butylbenzene
Concen: 18.19 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

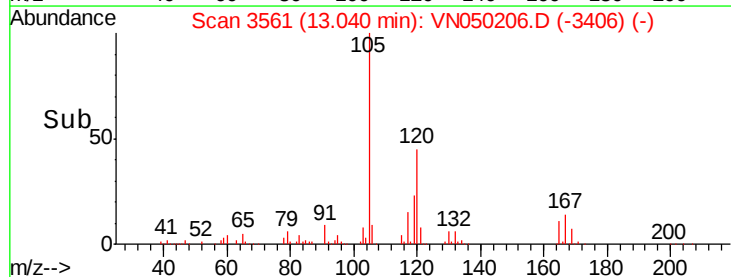
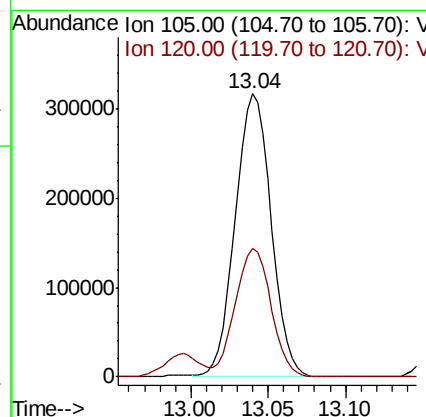
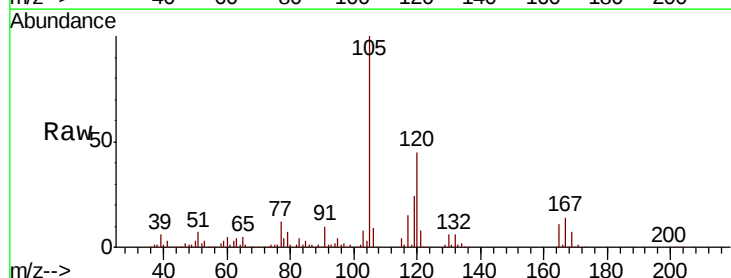
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

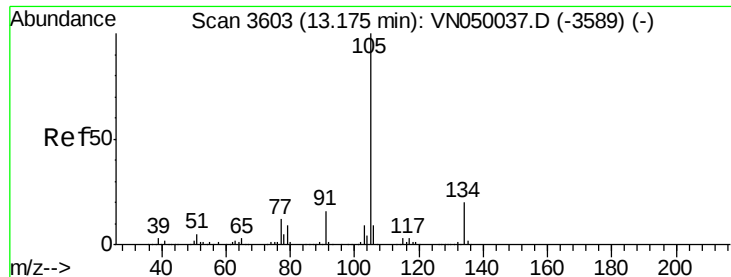
Tot Ion:119 Resp: 416270
Ion Ratio Lower Upper
119 100
91 65.4 0.0 126.8
134 24.1 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 18.79 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion:105 Resp: 509660
Ion Ratio Lower Upper
105 100
120 45.6 0.0 90.6

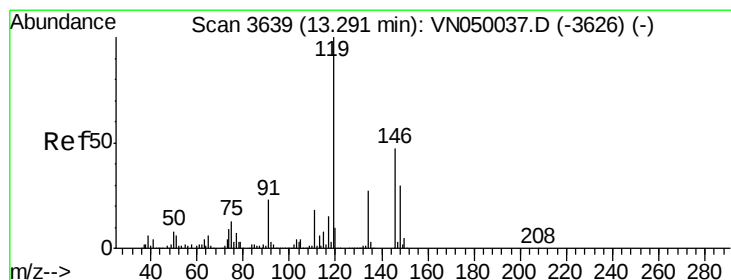
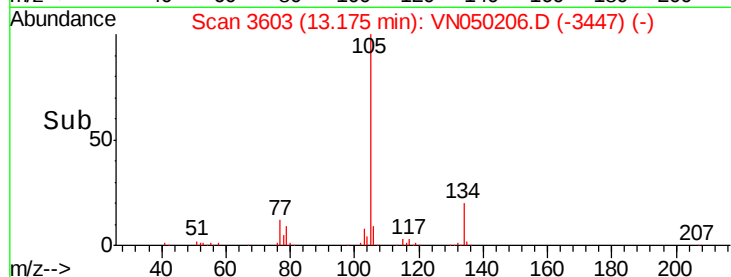
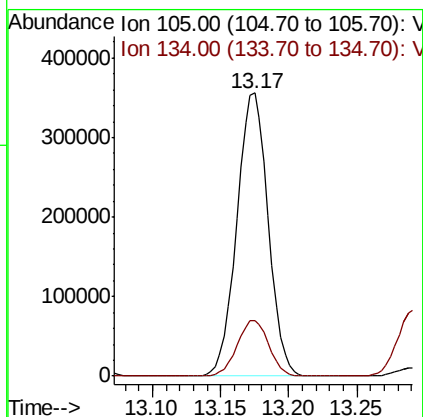
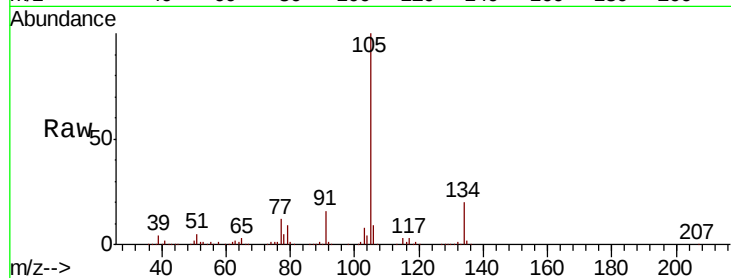




#81
 sec-Butylbenzene
 Concen: 18.19 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

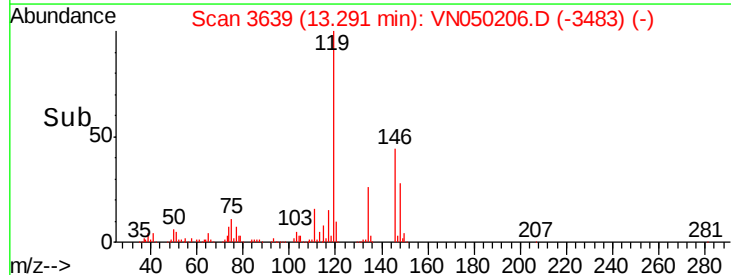
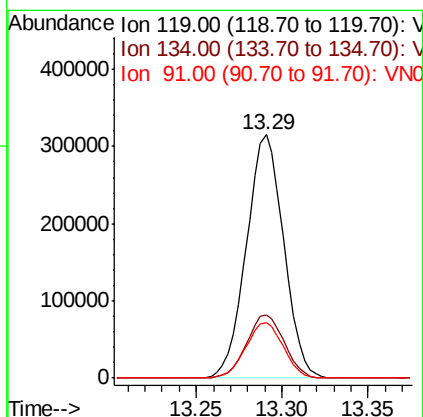
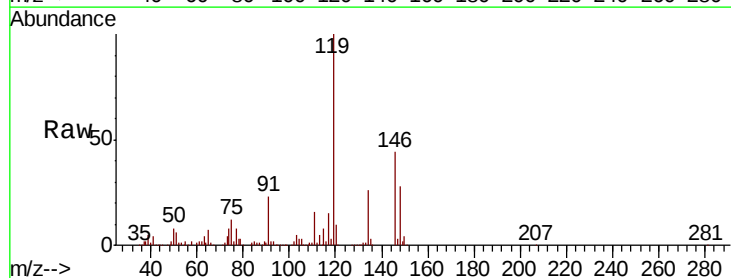
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion:105 Resp: 565454
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 17.92 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion:119 Resp: 475324
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.2
 91 23.3 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 18.00 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

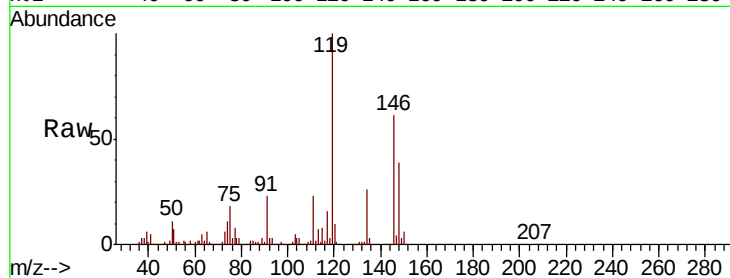
Tot Ion:146 Resp: 272140

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.1

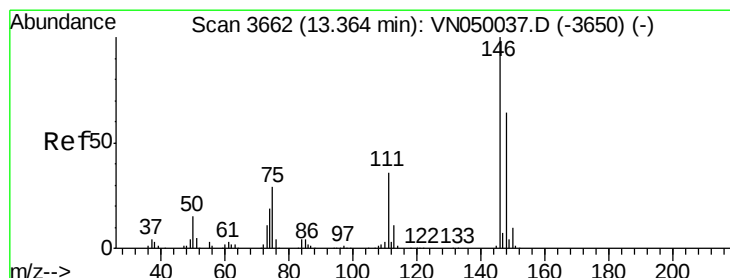
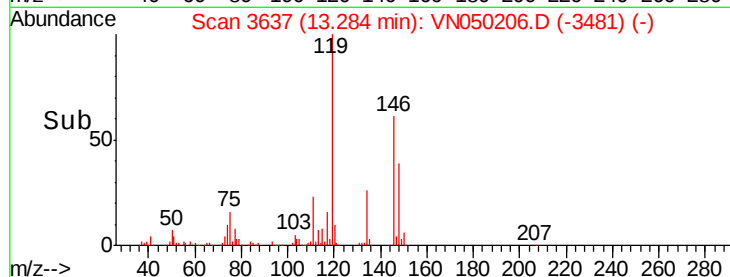
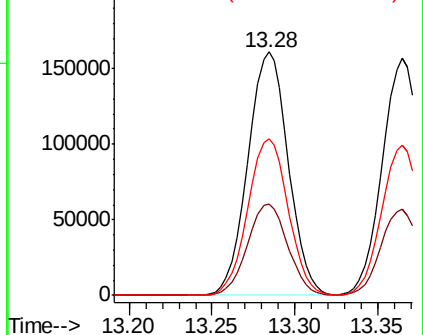
148 64.4 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 17.88 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

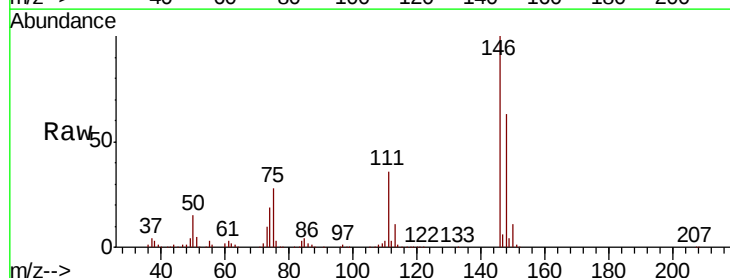
Tgt Ion:146 Resp: 255463

Ion Ratio Lower Upper

146 100

111 36.7 17.9 53.8

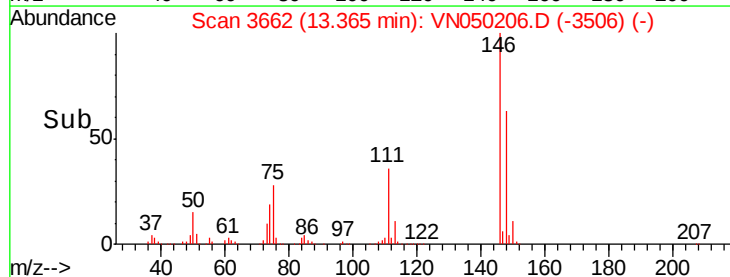
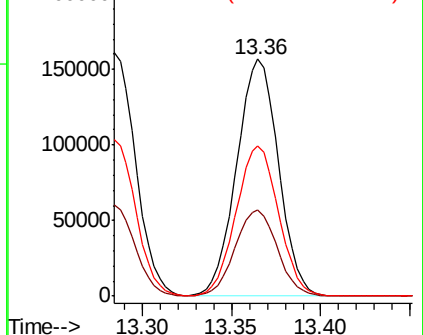
148 64.5 32.4 97.0

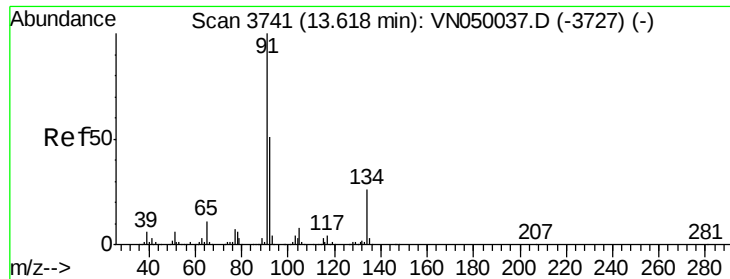


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

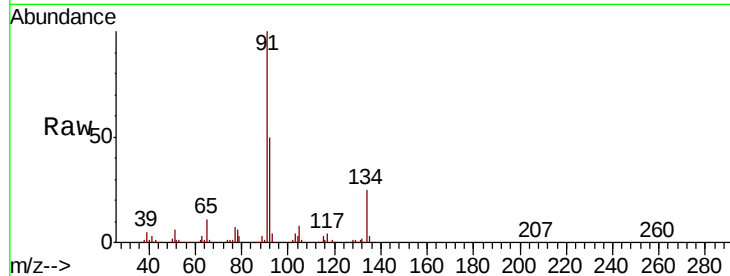




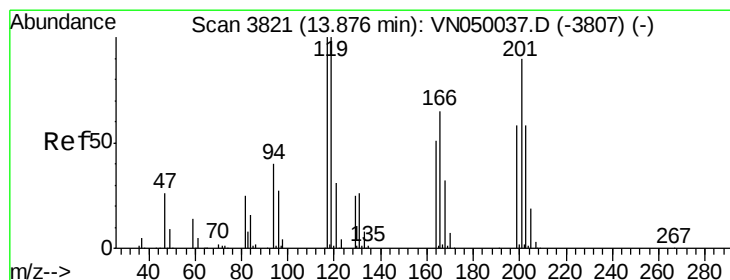
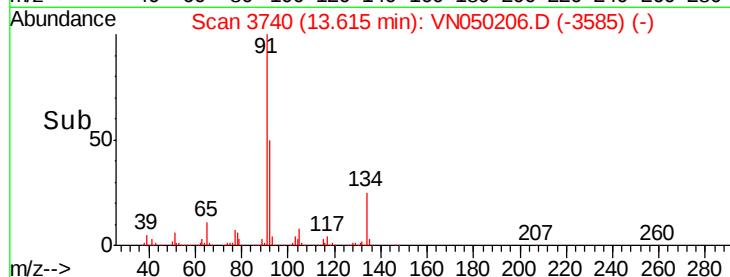
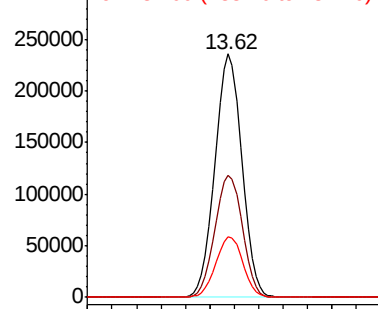
#85
n-Butylbenzene
Concen: 16.66 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion: 91 Resp: 358591
Ion Ratio Lower Upper
91 100
92 51.2 0.0 102.8
134 25.1 0.0 51.0

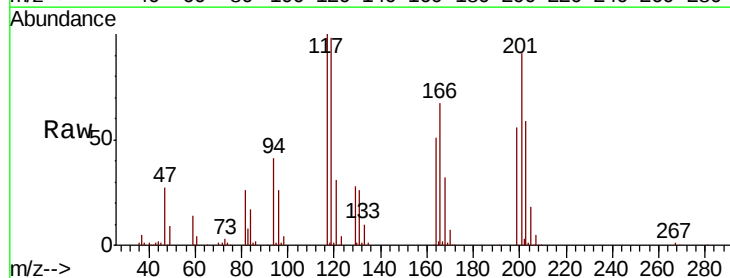


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

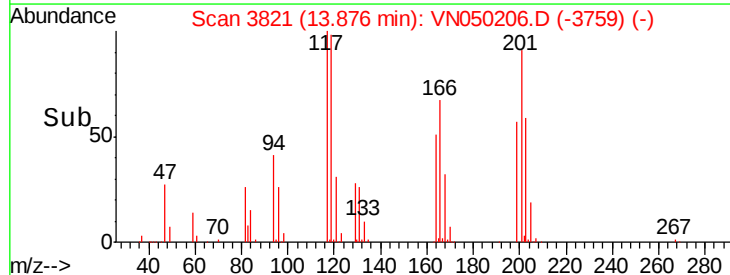
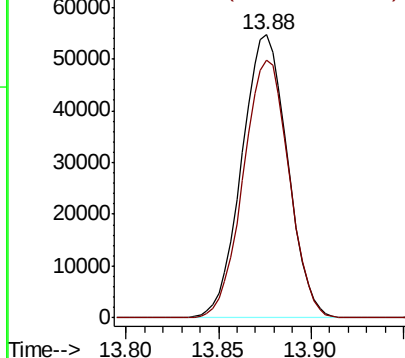


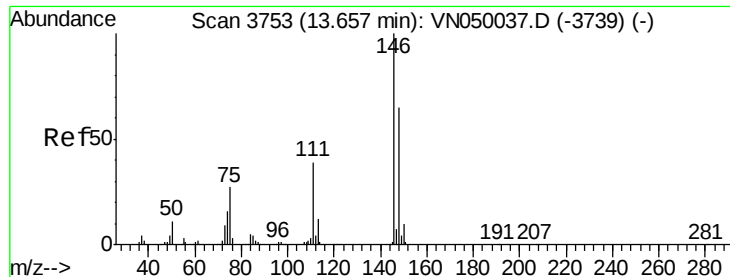
#86
Hexachloroethane
Concen: 17.65 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 117 Resp: 93529
Ion Ratio Lower Upper
117 100
201 90.6 46.6 139.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

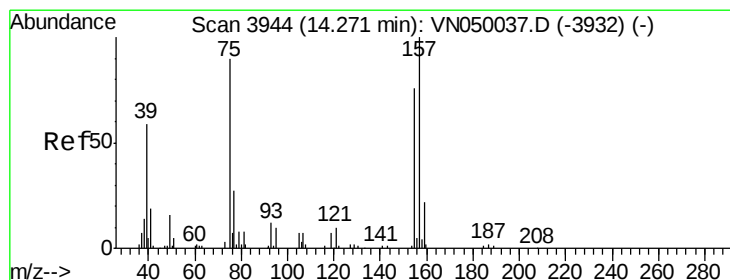
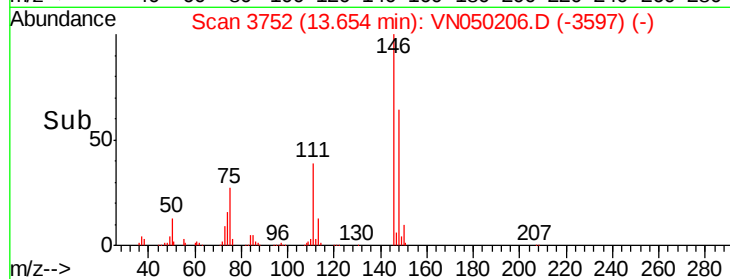
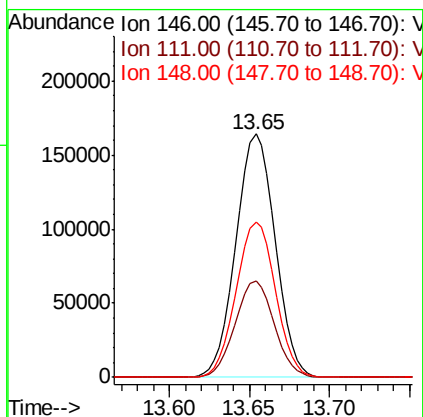
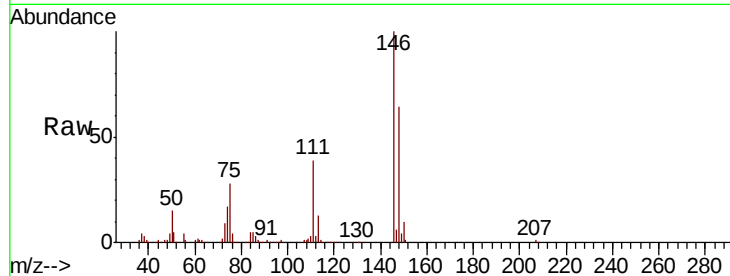




#87
 1,2-Dichlorobenzene
 Concen: 18.59 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

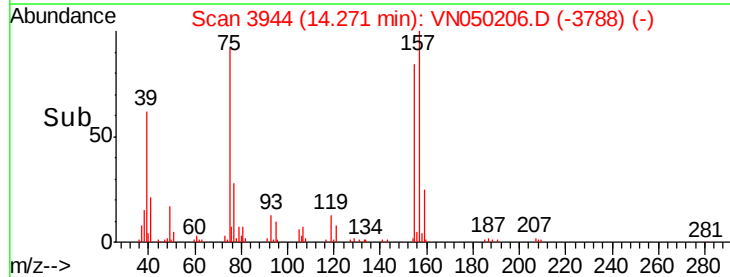
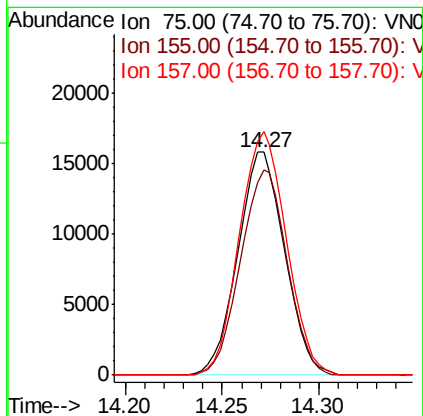
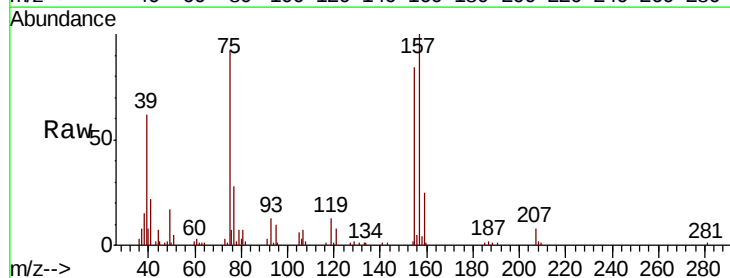
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

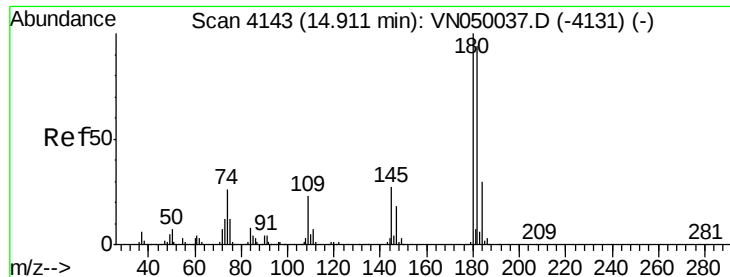
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	64.0	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.19 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	73.0	109.6
157	109.1	94.9	142.3

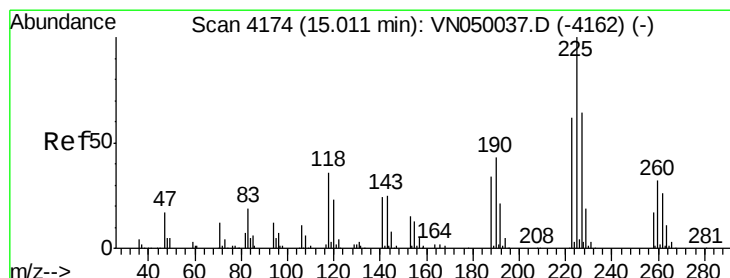
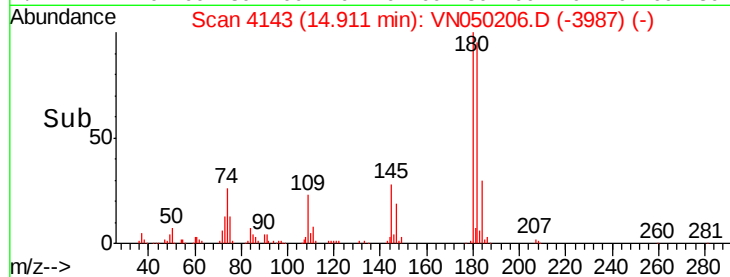
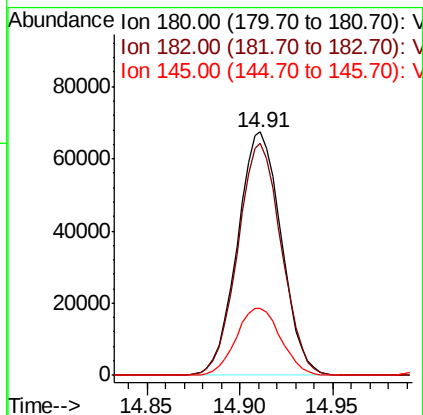
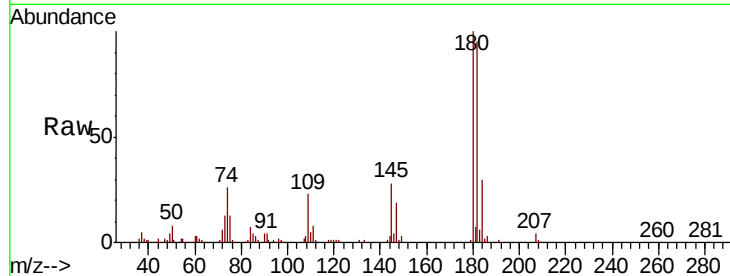




#89
 1,2,4-Trichlorobenzene
 Concen: 15.69 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

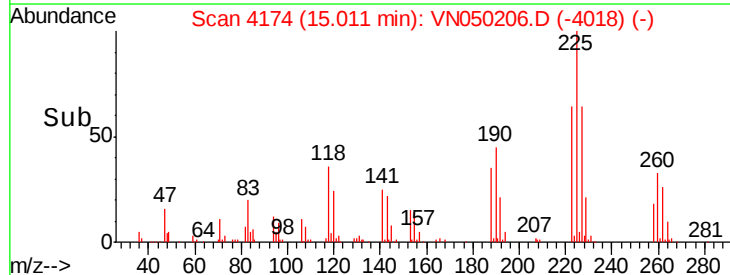
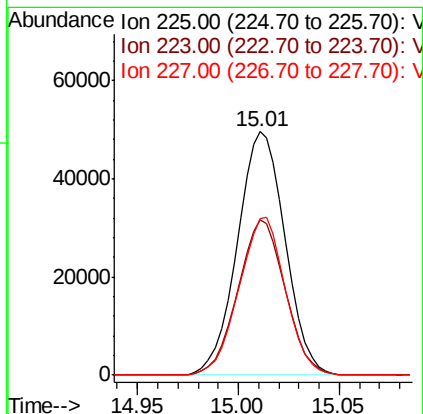
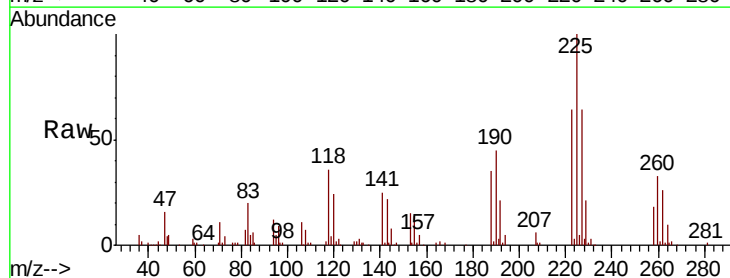
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

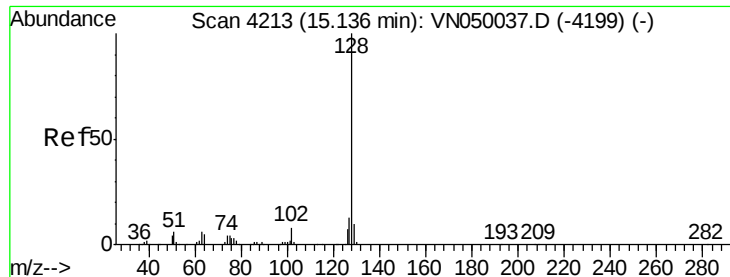
Tot Ion:180 Resp: 110694
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.7 115.1
 145 28.1 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 17.61 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion:225 Resp: 81946
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 124.4
 227 63.2 0.0 133.0

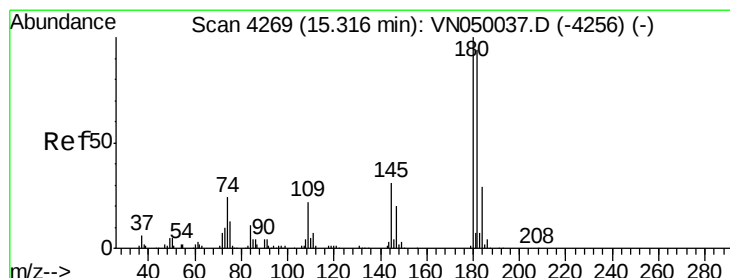
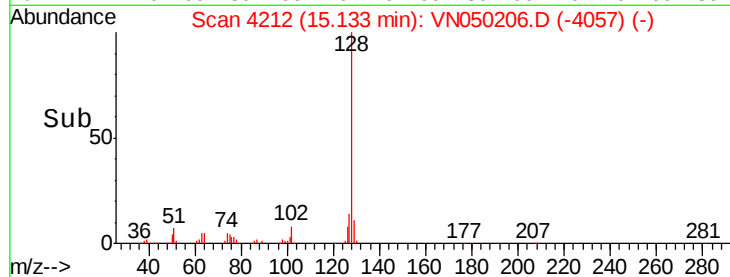
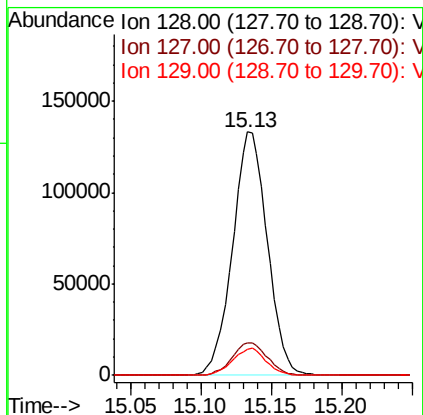
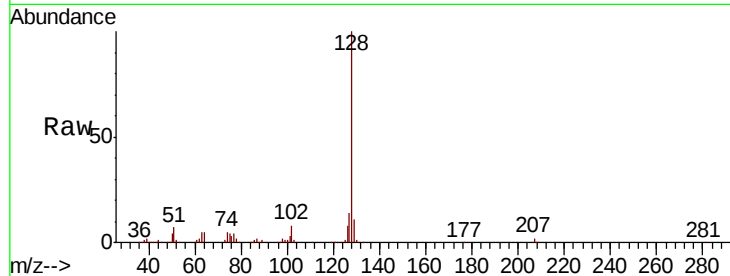




#91
Naphthalene
Concen: 18.02 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion:128 Resp: 229632
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 10.7 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 16.35 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion:180 Resp: 117343
Ion Ratio Lower Upper
180 100
182 97.0 0.0 188.8
145 31.0 0.0 60.8

