

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050816.D
 Acq On : 22 Aug 2018 13:48
 Operator : MD\SY
 Sample : VN0822WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Quant Time: Aug 23 01:04:04 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	669490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	978128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	900378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	423829	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	420075	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	7.59	113	393079	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1507580	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.40	95	493577	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	193478	21.59	ug/l	100
3) Chloromethane	2.06	50	207639	18.79	ug/l	99
4) Vinyl Chloride	2.18	62	204483	19.53	ug/l	100
5) Bromomethane	2.57	94	122497	19.95	ug/l	98
6) Chloroethane	2.70	64	120368	19.90	ug/l	99
7) Trichlorofluoromethane	3.01	101	269433	20.10	ug/l	99
8) Diethyl Ether	3.41	74	96450	21.16	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	165024	19.70	ug/l	99
10) Methyl Iodide	3.95	142	124218	21.10	ug/l	99
11) Tert butyl alcohol	4.80	59	56186	109.48	ug/l	100
12) 1,1-Dichloroethene	3.73	96	151654	20.17	ug/l	98
13) Acrolein	3.61	56	28138	105.07	ug/l	95
14) Allyl chloride	4.33	41	232139	19.81	ug/l	99
15) Acrylonitrile	4.99	53	272421	104.44	ug/l	99
16) Acetone	3.82	43	186778	93.44	ug/l	99
17) Carbon Disulfide	4.05	76	460926	18.29	ug/l	100
18) Methyl Acetate	4.33	43	150652	19.80	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	405409	21.43	ug/l	100
20) Methylene Chloride	4.55	84	174548	19.22	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	162072	19.93	ug/l	99
22) Diisopropyl ether	5.96	45	499618	21.40	ug/l	99
23) Vinyl Acetate	5.90	43	1580919	105.13	ug/l	100
24) 1,1-Dichloroethane	5.85	63	304424	20.31	ug/l	99
25) 2-Butanone	6.84	43	297721	91.66	ug/l	100
26) 2,2-Dichloropropane	6.83	77	230062	19.10	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	180838	20.62	ug/l	98
28) Bromochloromethane	7.20	49	117309	18.42	ug/l	99
29) Tetrahydrofuran	7.22	42	202500	108.74	ug/l	98
30) Chloroform	7.37	83	298170	20.09	ug/l	98
31) Cyclohexane	7.65	56	266618	19.85	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	255882	20.07	ug/l	99
36) 1,1-Dichloropropene	7.80	75	229379	19.87	ug/l	99
37) Ethyl Acetate	6.93	43	136997	20.66	ug/l	100
38) Carbon Tetrachloride	7.78	117	224886	19.27	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	234770	18.80	ug/l	98
40) Benzene	8.04	78	702925	20.20	ug/l	98
41) Methacrylonitrile	7.17	41	64084	17.86	ug/l	90
42) 1,2-Dichloroethane	8.13	62	207752	19.96	ug/l	100
43) Isopropyl Acetate	8.17	43	247349	21.70	ug/l #	89
44) Trichloroethene	8.84	130	184577	20.11	ug/l	99
45) 1,2-Dichloropropane	9.12	63	182821	19.99	ug/l	99
46) Dibromomethane	9.21	93	107799	20.06	ug/l	99
47) Bromodichloromethane	9.40	83	220762	19.61	ug/l	98
48) Methyl methacrylate	9.20	41	117336	20.20	ug/l	98
49) 1,4-Dioxane	9.20	88	34251	432.45	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	684617	100.64	ug/l	99
52) Toluene	10.16	92	429675	20.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	221627	19.78	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	258485	20.14	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156852	20.50	ug/l	98
56) Ethyl methacrylate	10.43	69	182052	19.78	ug/l	99
57) 1,3-Dichloropropane	10.71	76	258436	20.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	389730	97.55	ug/l	99
59) 2-Hexanone	10.75	43	465756	102.84	ug/l	96
60) Dibromochloromethane	10.90	129	168283	19.64	ug/l	99
61) 1,2-Dibromoethane	11.01	107	151218	20.43	ug/l	100
64) Tetrachloroethene	10.63	164	164518	19.24	ug/l	97
65) Chlorobenzene	11.44	112	463698	19.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	171895	19.96	ug/l	99
67) Ethyl Benzene	11.51	91	778830	20.36	ug/l	99
68) m/p-Xylenes	11.62	106	606306	41.75	ug/l	98
69) o-Xylene	11.95	106	302210	21.65	ug/l	100
70) Styrene	11.97	104	457235	19.38	ug/l	98
71) Bromoform	12.13	173	115724	19.54	ug/l #	99
73) Isopropylbenzene	12.25	105	779359	22.21	ug/l	100
74) N-amyl acetate	12.05	43	231827	26.29	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.51	83	181228	20.70	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	220448	29.70	ug/l #	100
77) Bromobenzene	12.53	156	197564	20.71	ug/l	99
78) n-propylbenzene	12.59	91	851633	21.72	ug/l	100
79) 2-Chlorotoluene	12.68	91	520272	21.31	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	650070	22.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44387	20.21	ug/l #	84
82) 4-Chlorotoluene	12.77	91	505499	20.97	ug/l	99
83) tert-Butylbenzene	12.99	119	551138	22.47	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	672828	23.62	ug/l	100
85) sec-Butylbenzene	13.17	105	700601	21.80	ug/l	99
86) p-Isopropyltoluene	13.29	119	606296	22.14	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	322979	19.95	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	311306	19.54	ug/l	94
89) n-Butylbenzene	13.62	91	470058	21.46	ug/l	99
90) Hexachloroethane	13.88	117	104470	20.13	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	317275	20.32	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26289	20.86	ug/l	97

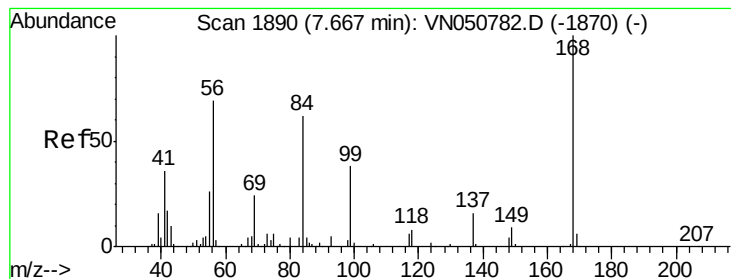
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137934	19.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	93427	19.50	ug/l	99
95) Naphthalene	15.14	128	299070	21.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	140950	20.59	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

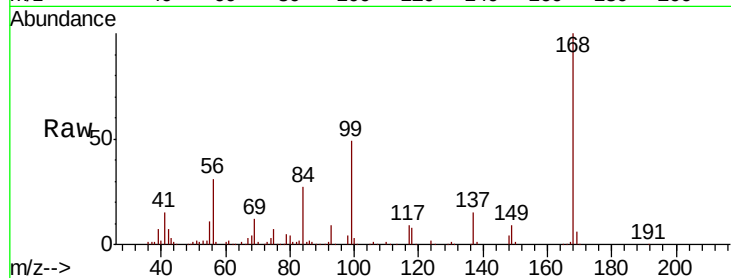
VN0822WBSD01

Tot Ion:168 Resp: 669490

Ion Ratio Lower Upper

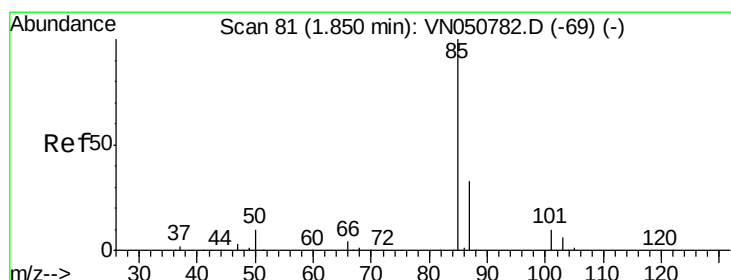
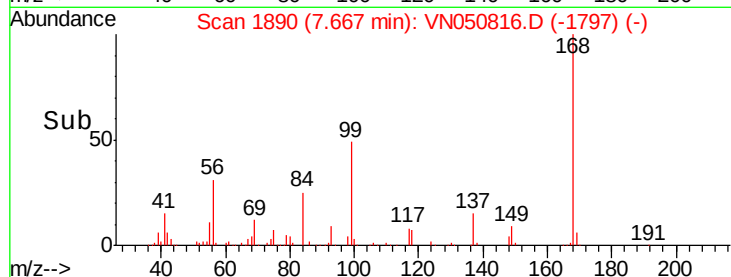
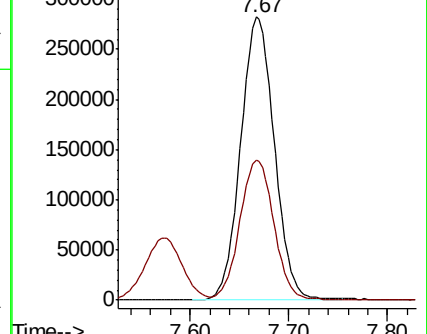
168 100

99 49.2 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 21.59 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050816.D

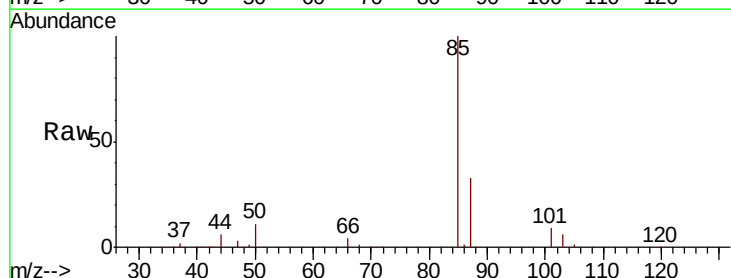
Acq: 22 Aug 2018 13:48

Tgt Ion: 85 Resp: 193478

Ion Ratio Lower Upper

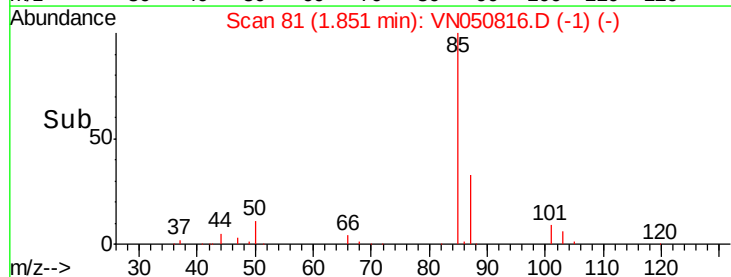
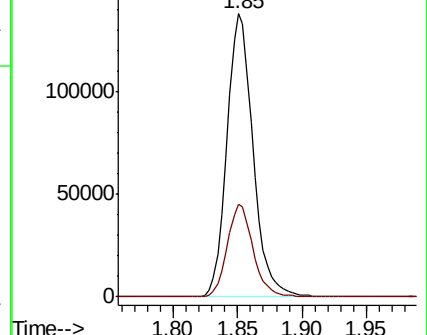
85 100

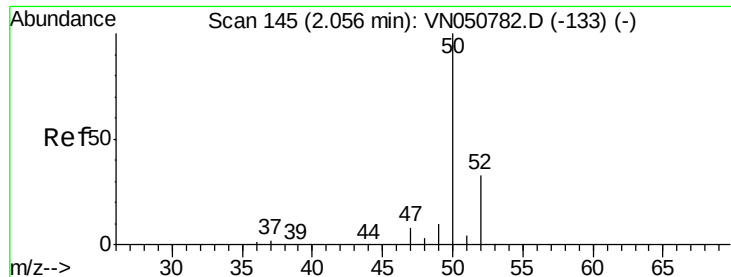
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.79 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

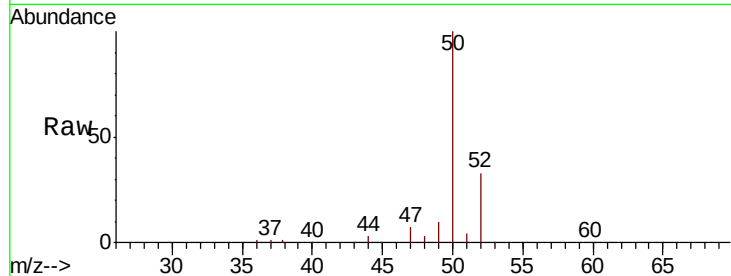
VN0822WBSD01

Tot Ion: 50 Resp: 207639

Ion Ratio Lower Upper

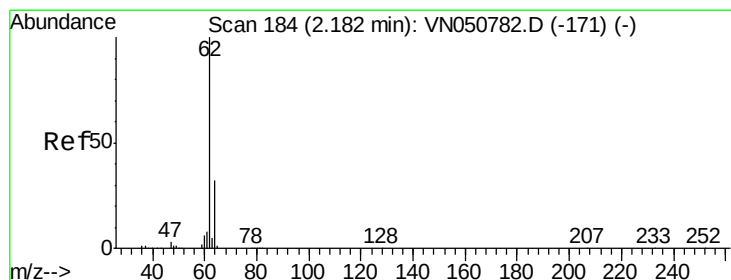
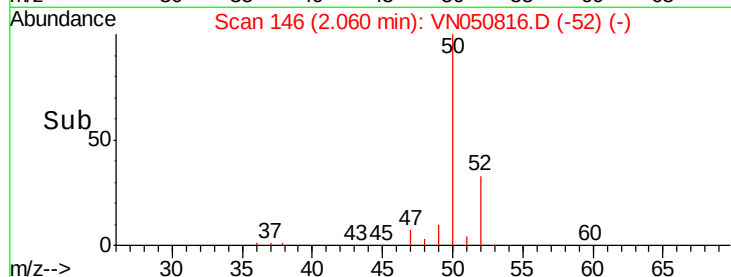
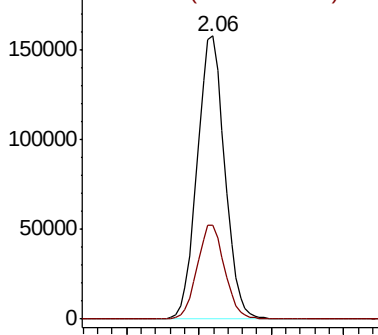
50 100

52 33.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.53 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050816.D

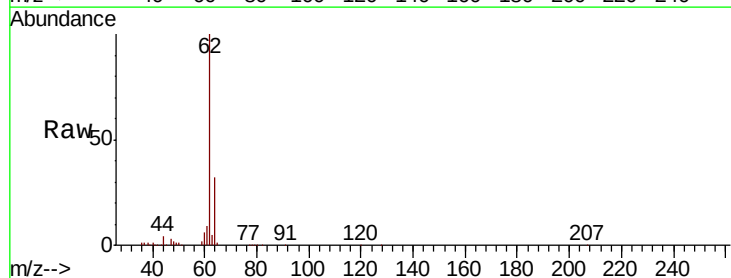
Acq: 22 Aug 2018 13:48

Tgt Ion: 62 Resp: 204483

Ion Ratio Lower Upper

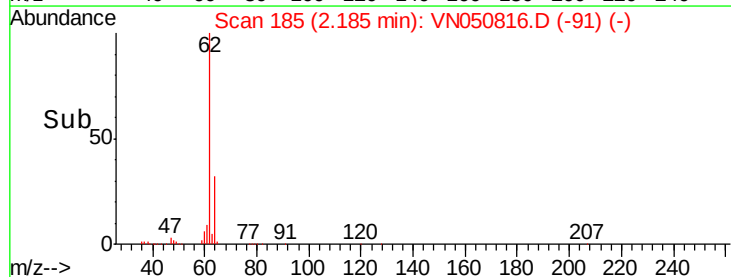
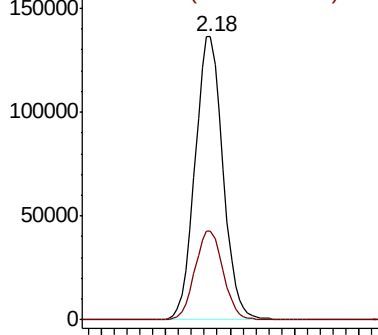
62 100

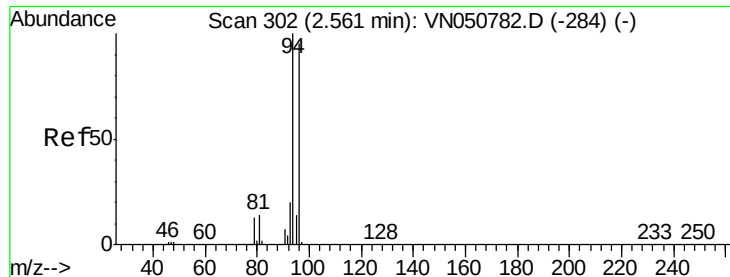
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.95 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

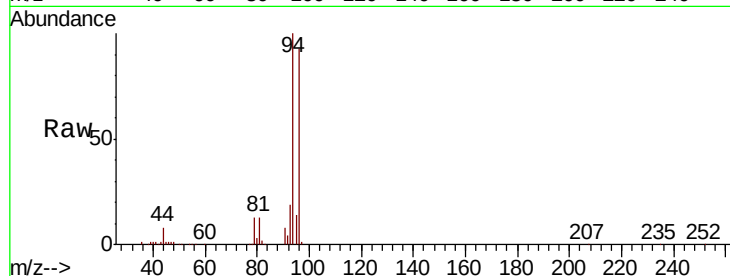
VN0822WBSD01

Tot Ion: 94 Resp: 122497

Ion Ratio Lower Upper

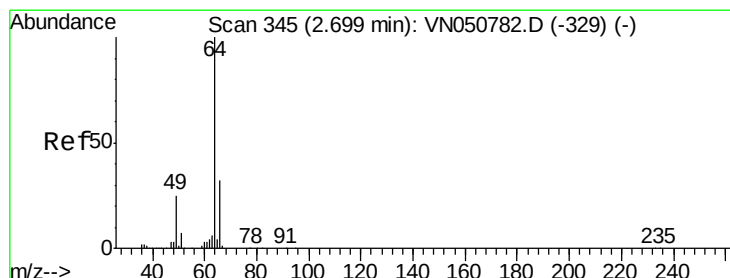
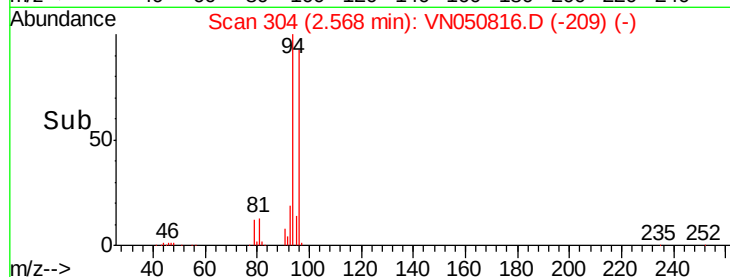
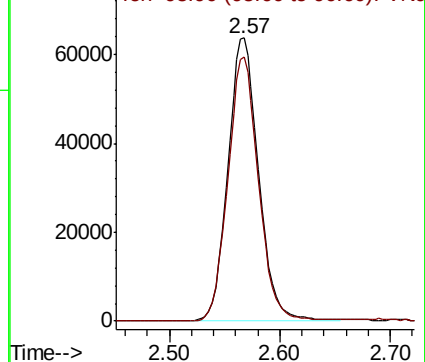
94 100

96 93.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.90 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050816.D

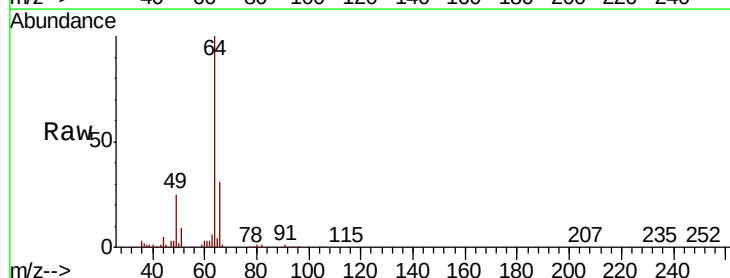
Acq: 22 Aug 2018 13:48

Tgt Ion: 64 Resp: 120368

Ion Ratio Lower Upper

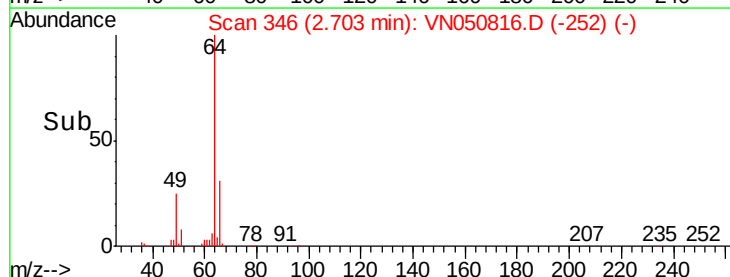
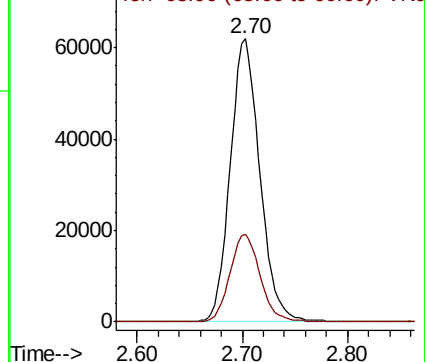
64 100

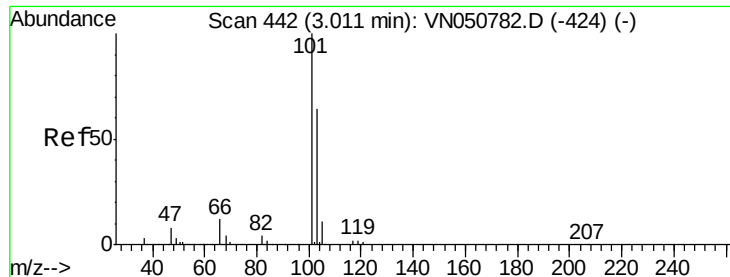
66 31.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 20.10 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

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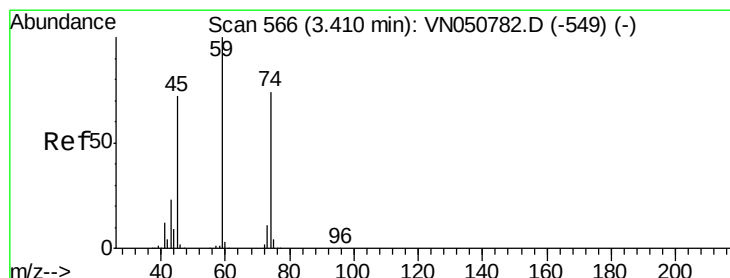
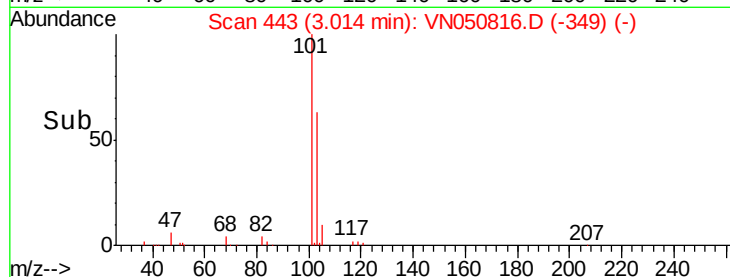
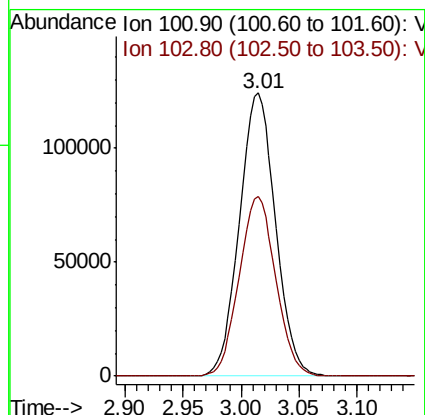
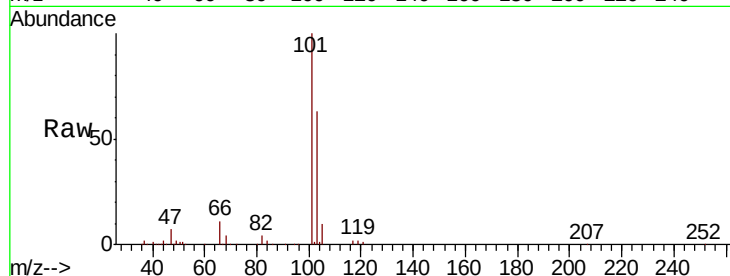
VN0822WBSD01

Tot Ion:101 Resp: 269433

Ion Ratio Lower Upper

101 100

103 63.4 51.6 77.4



#8

Diethyl Ether

Concen: 21.16 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050816.D

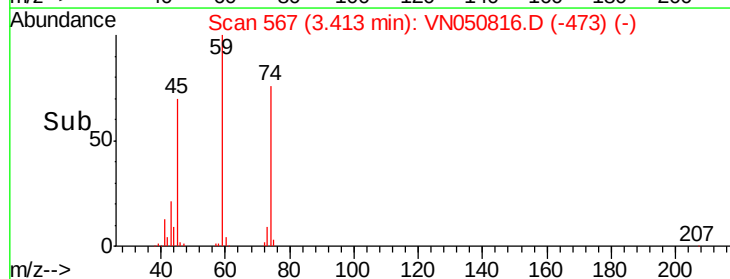
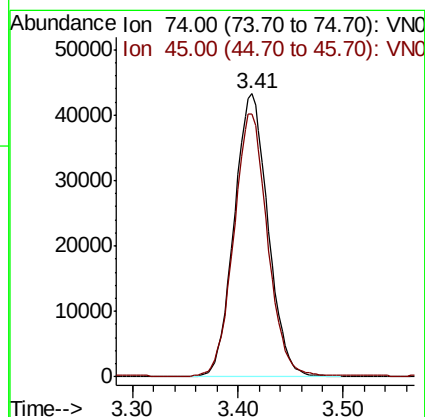
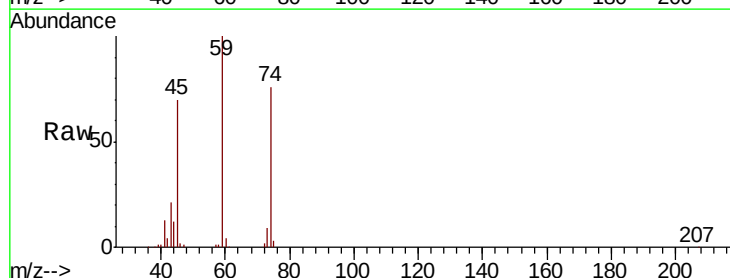
Acq: 22 Aug 2018 13:48

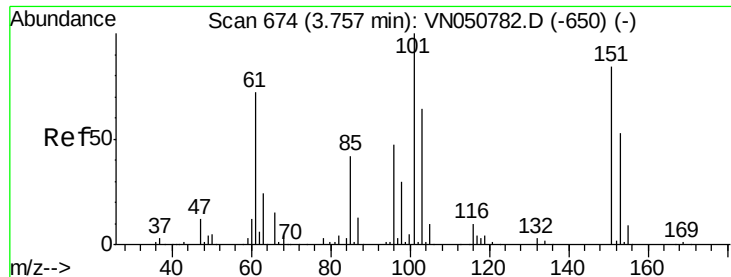
Tgt Ion: 74 Resp: 96450

Ion Ratio Lower Upper

74 100

45 92.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.70 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

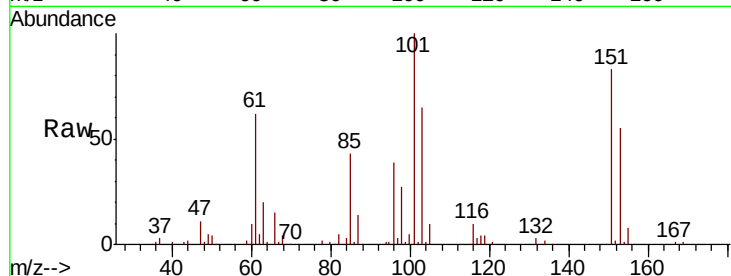
Tot Ion:101 Resp: 165024

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

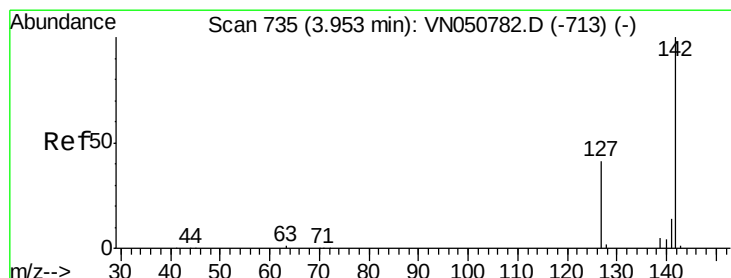
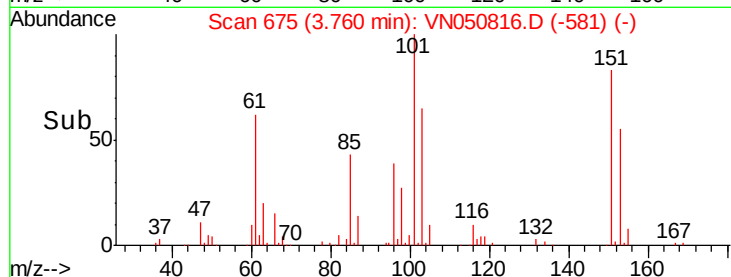
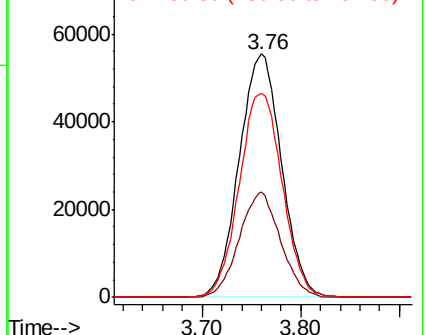
151 85.1 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.10 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

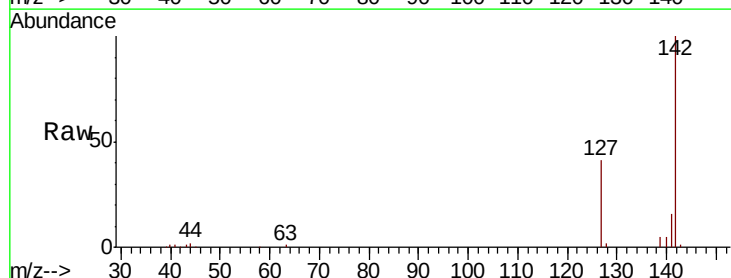
Tgt Ion:142 Resp: 124218

Ion Ratio Lower Upper

142 100

127 40.6 31.7 47.5

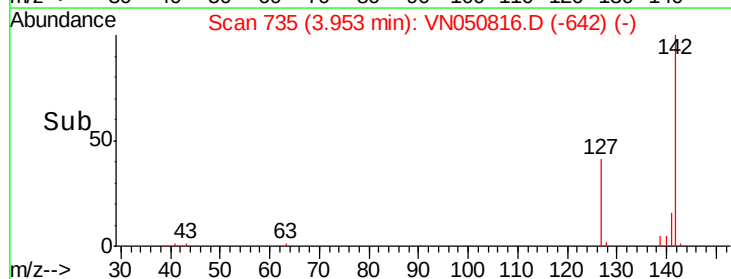
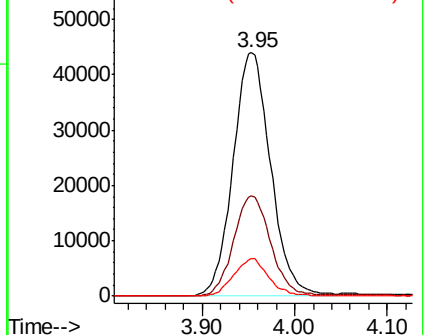
141 14.4 11.4 17.0

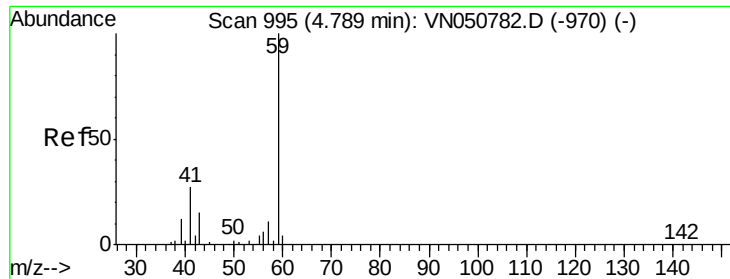


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

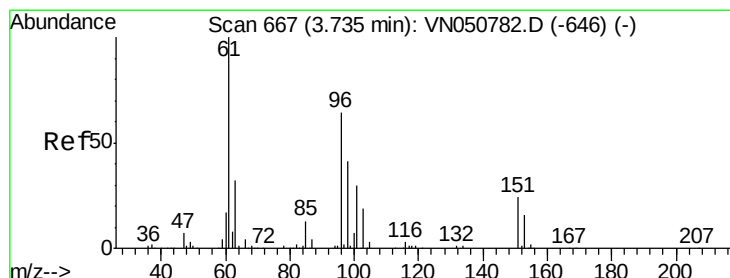
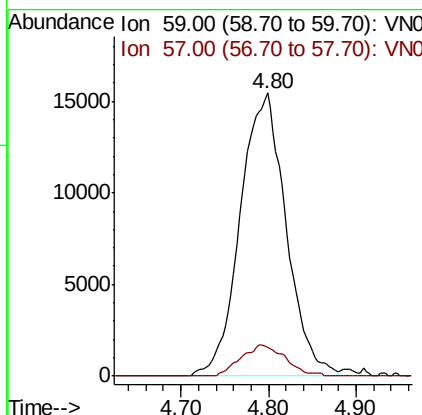
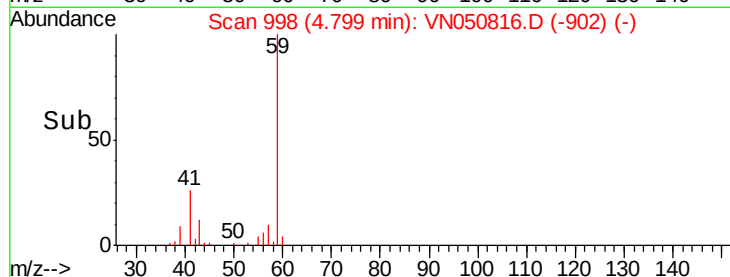
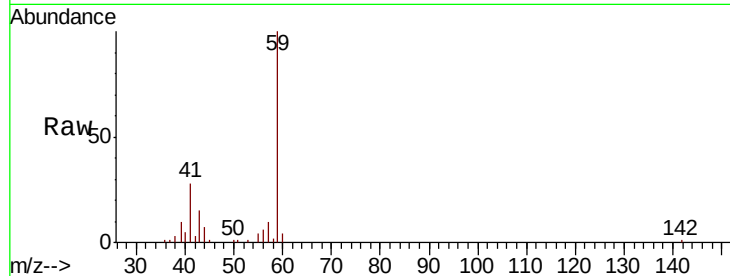




#11
Tert butyl alcohol
Concen: 109.48 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.01 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

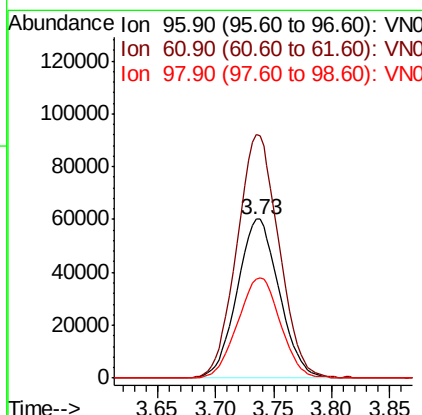
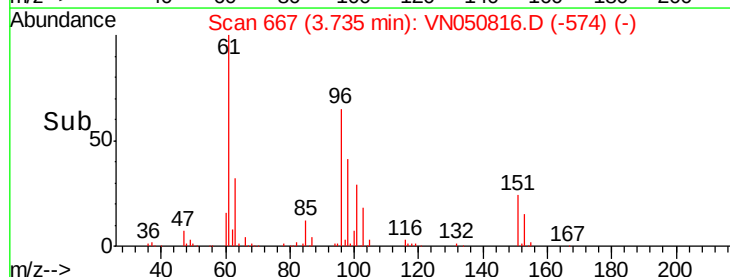
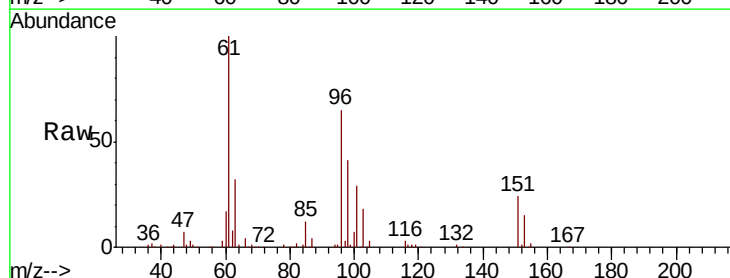
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

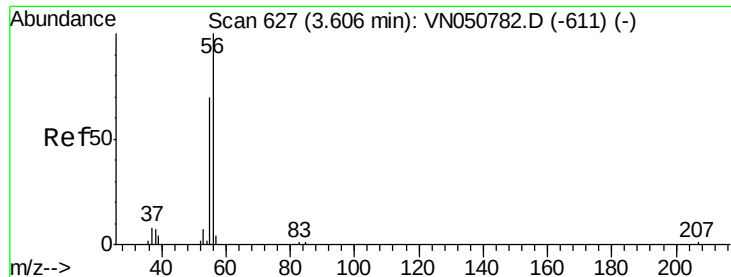
Tot Ion: 59 Resp: 56186
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5



#12
1,1-Dichloroethene
Concen: 20.17 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 96 Resp: 151654
Ion Ratio Lower Upper
96 100
61 153.4 124.9 187.3
98 62.6 51.1 76.7





#13

Acrolein

Concen: 105.07 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

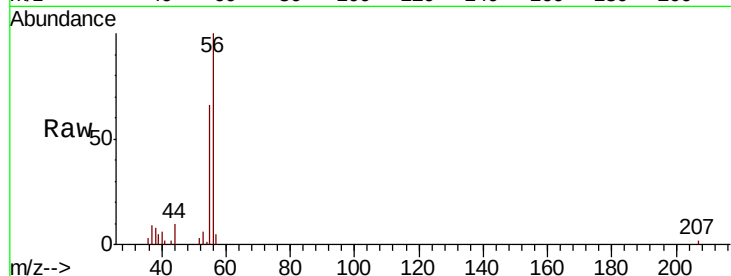
VN0822WBSD01

Tot Ion: 56 Resp: 28138

Ion Ratio Lower Upper

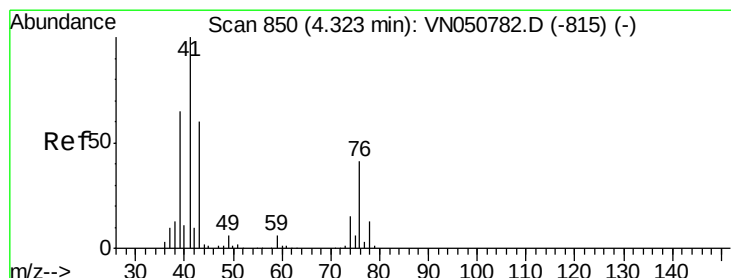
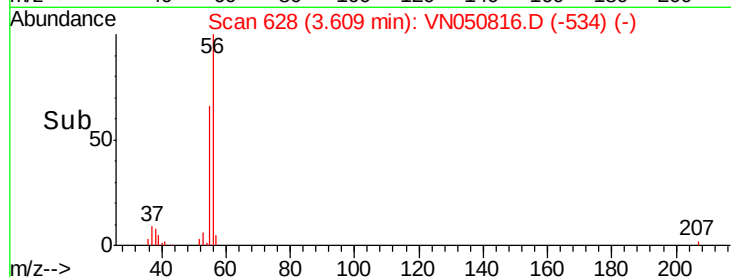
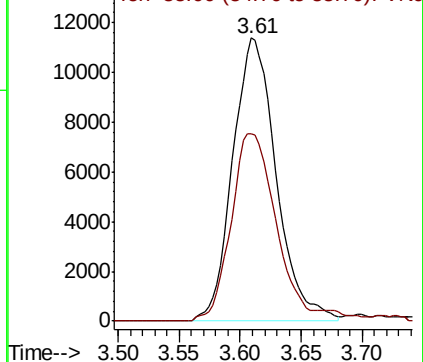
56 100

55 67.6 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.81 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

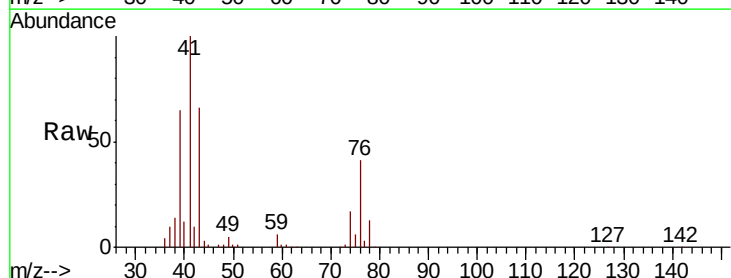
Tgt Ion: 41 Resp: 232139

Ion Ratio Lower Upper

41 100

39 62.7 50.2 75.2

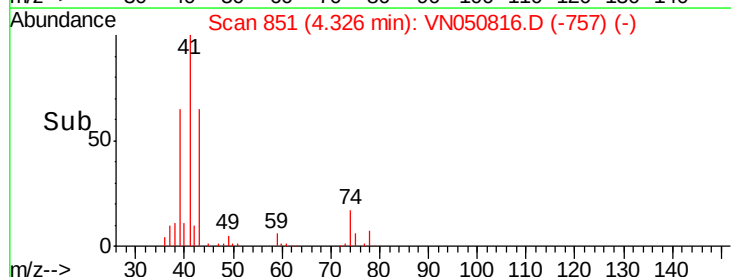
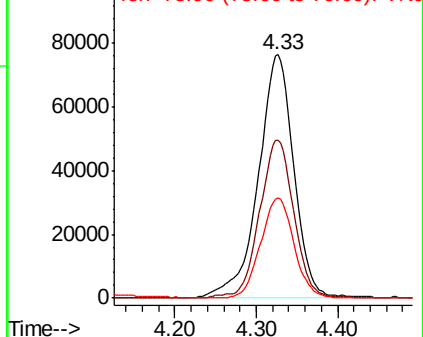
76 38.8 29.8 44.8

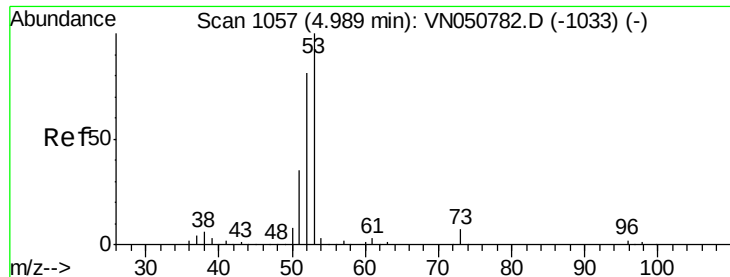


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.44 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

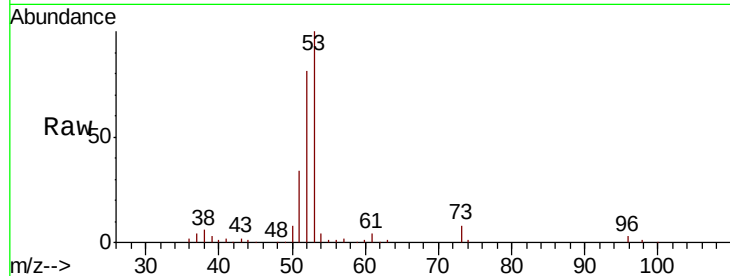
Tot Ion: 53 Resp: 272421

Ion Ratio Lower Upper

53 100

52 80.9 65.9 98.9

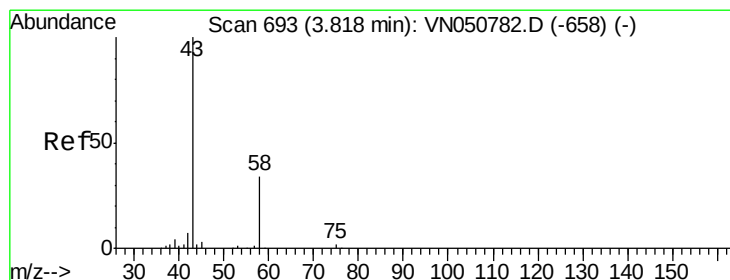
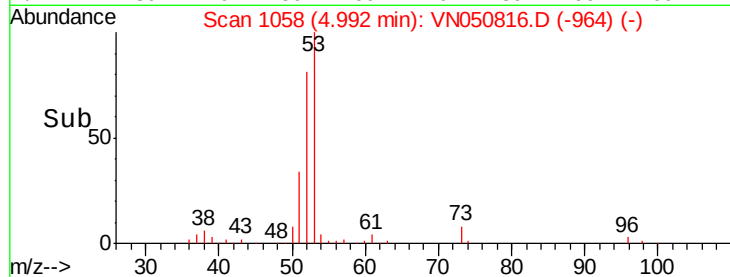
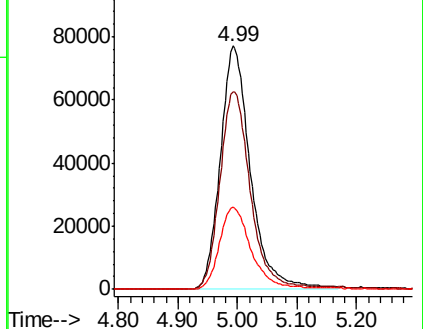
51 35.7 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 93.44 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050816.D

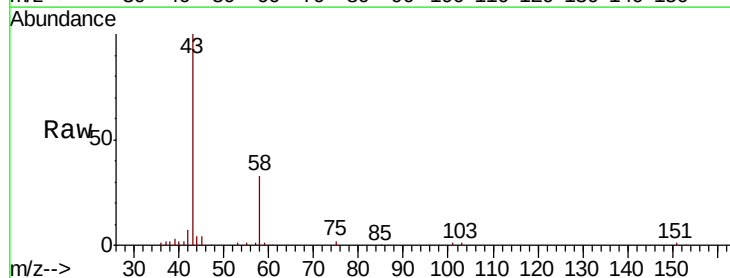
Acq: 22 Aug 2018 13:48

Tgt Ion: 43 Resp: 186778

Ion Ratio Lower Upper

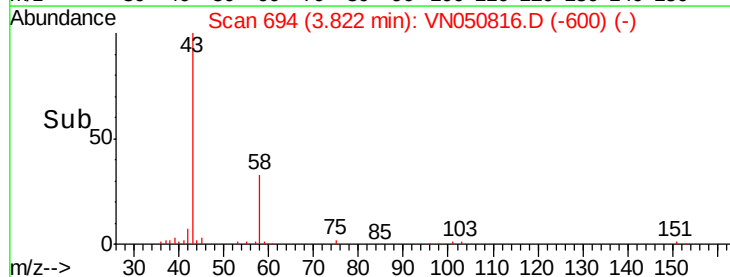
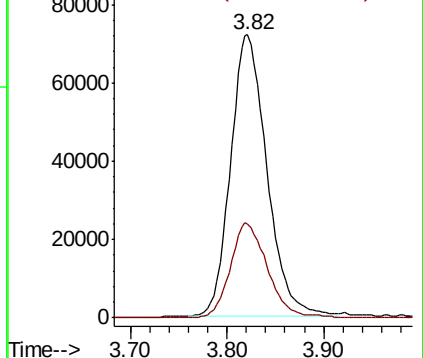
43 100

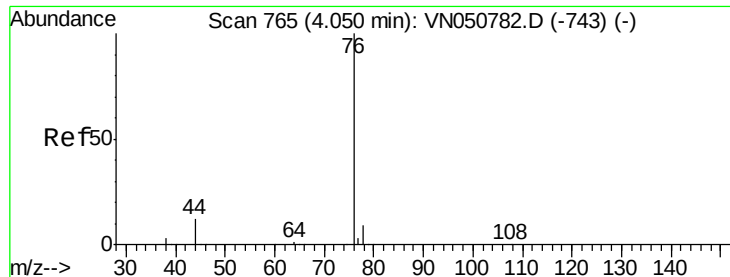
58 33.5 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

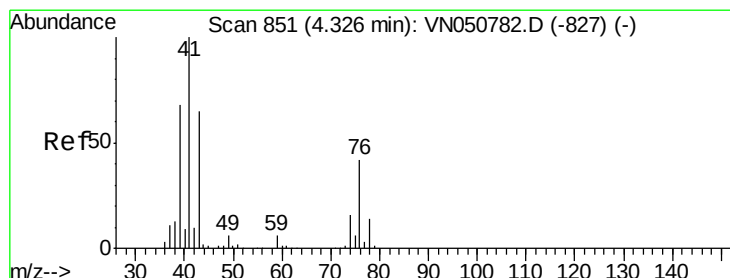
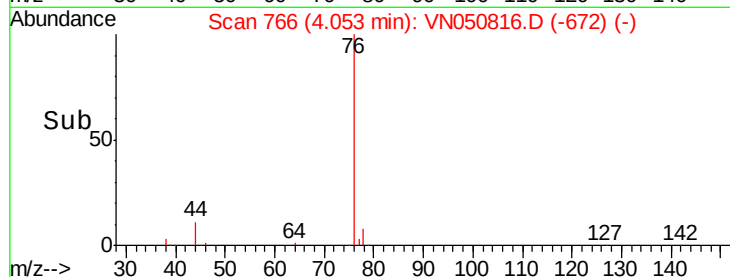
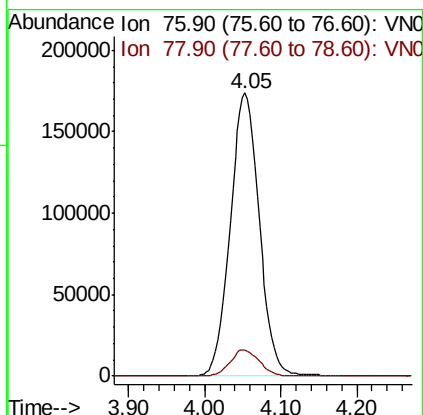
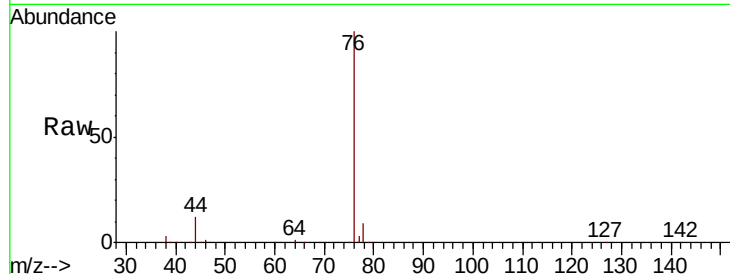




#17
Carbon Disulfide
Concen: 18.29 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

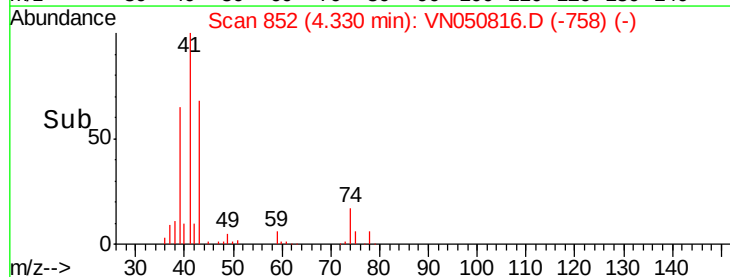
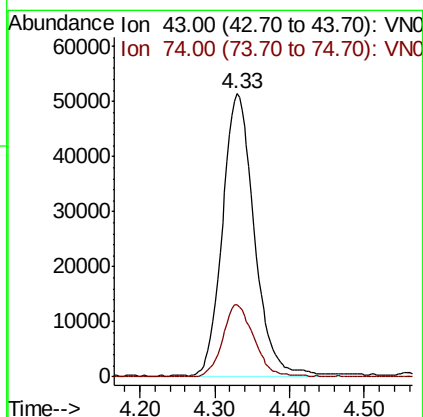
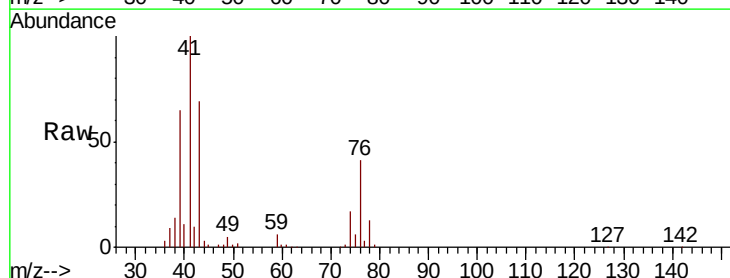
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

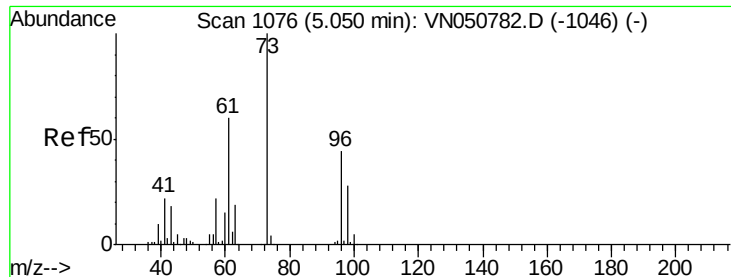
Tot Ion: 76 Resp: 460926
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 19.80 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 43 Resp: 150652
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.8

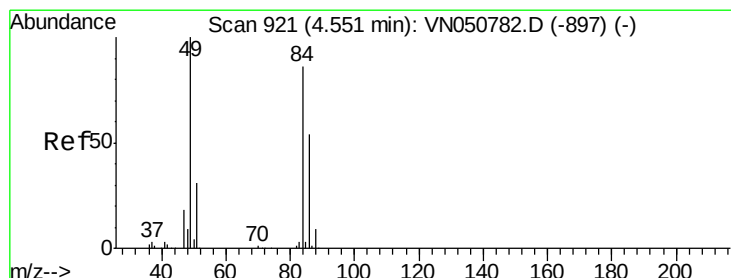
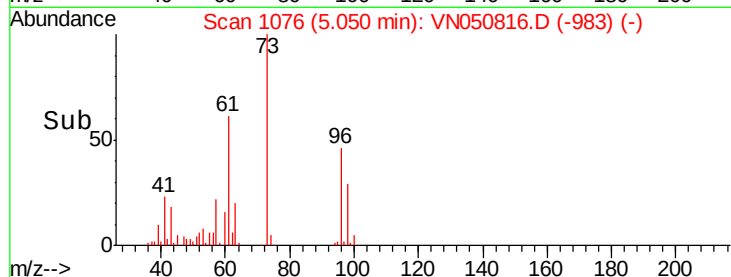
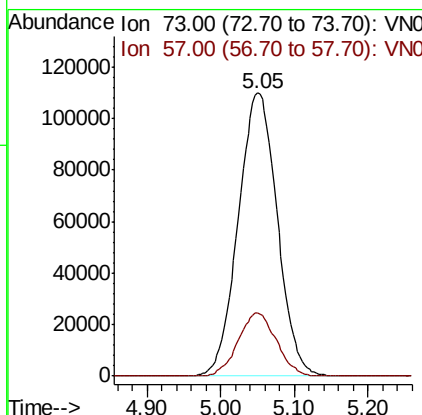
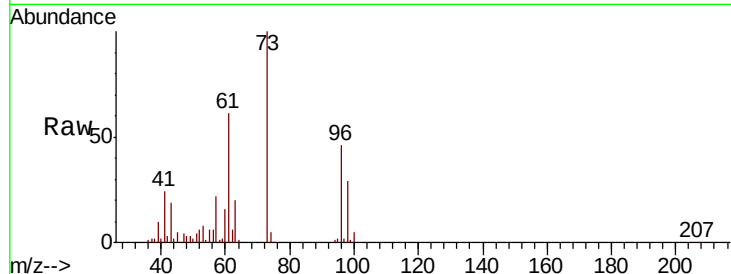




#19
Methvl tert-butyl Ether
Concen: 21.43 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

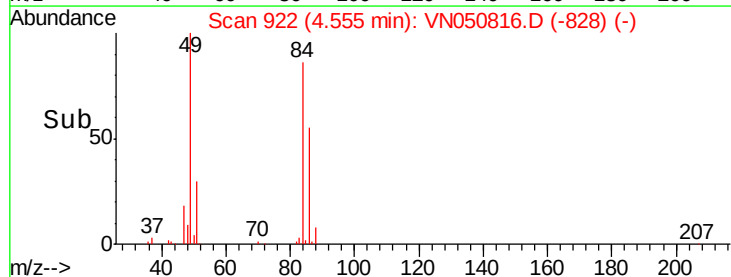
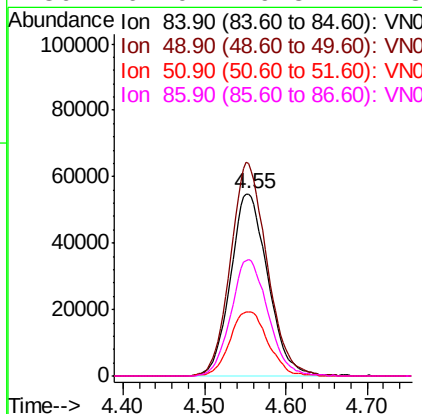
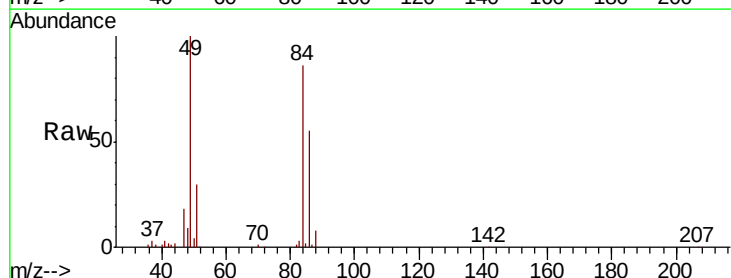
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

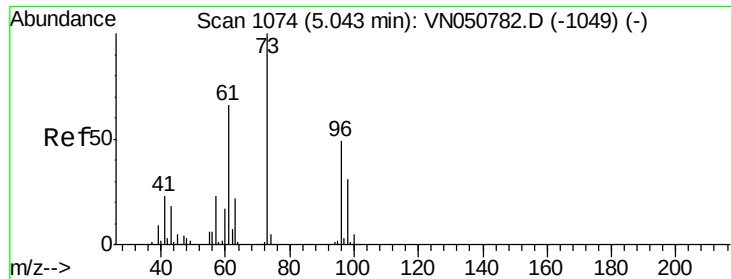
Tot Ion: 73 Resp: 405409
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8



#20
Methylene Chloride
Concen: 19.22 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 84 Resp: 174548
Ion Ratio Lower Upper
84 100
49 116.3 93.2 139.8
51 35.4 29.0 43.6
86 64.0 49.8 74.8

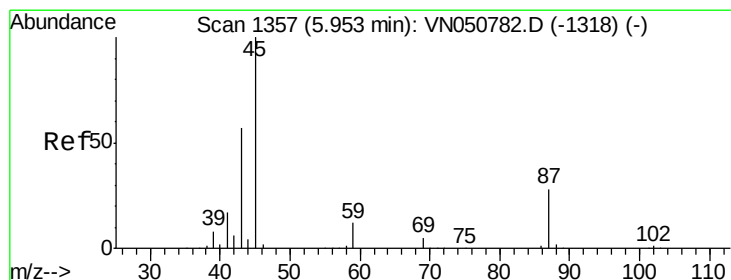
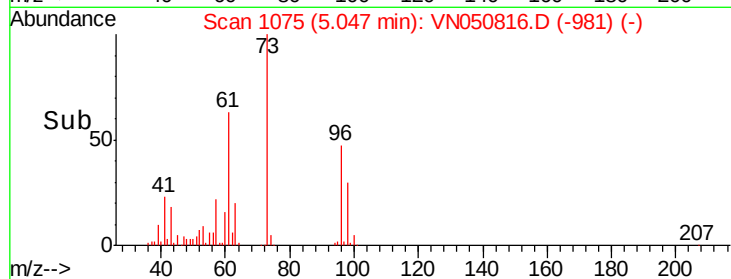
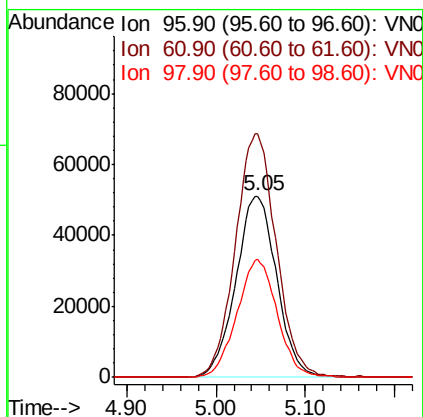
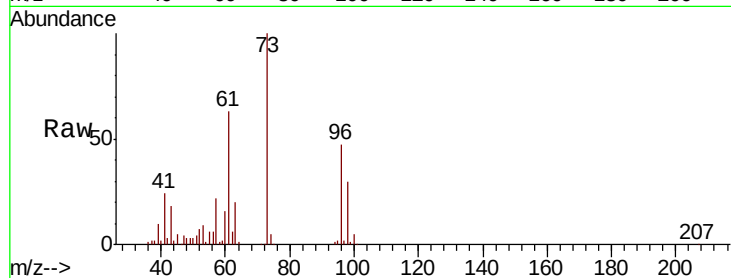




#21
trans-1,2-Dichloroethene
Concen: 19.93 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

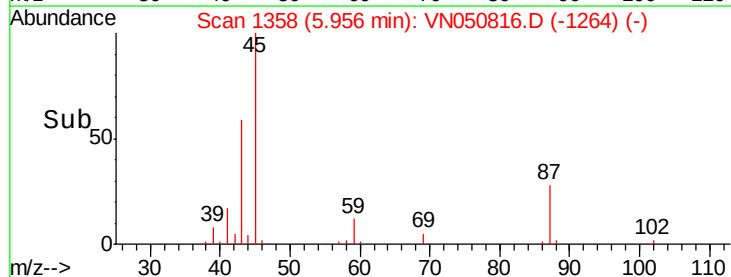
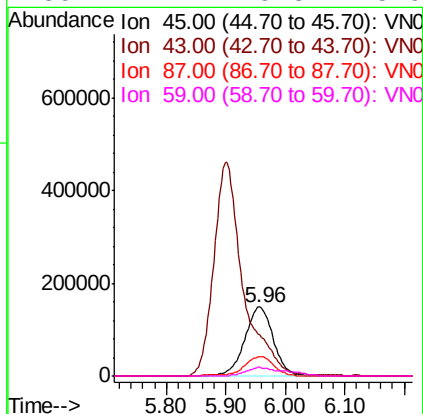
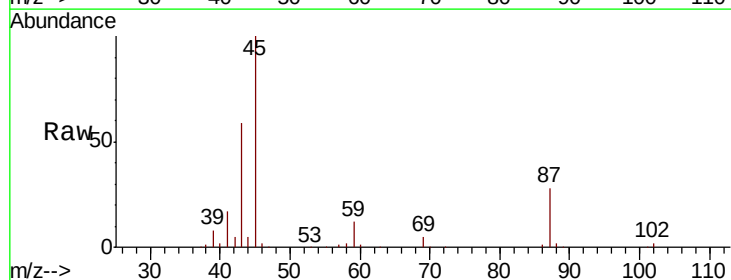
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

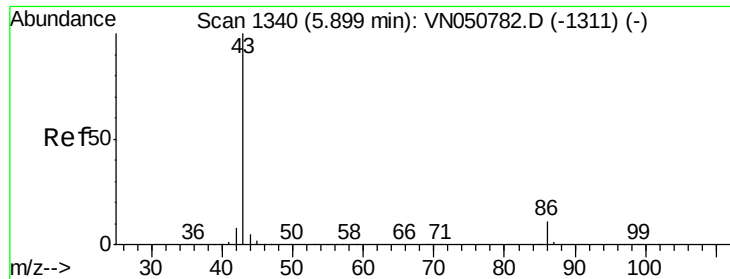
Tot Ion: 96 Resp: 162072
Ion Ratio Lower Upper
96 100
61 134.2 107.4 161.0
98 65.0 50.7 76.1



#22
Diisopropyl ether
Concen: 21.40 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 45 Resp: 499618
Ion Ratio Lower Upper
45 100
43 58.0 45.9 68.9
87 28.2 22.7 34.1
59 12.1 9.3 13.9

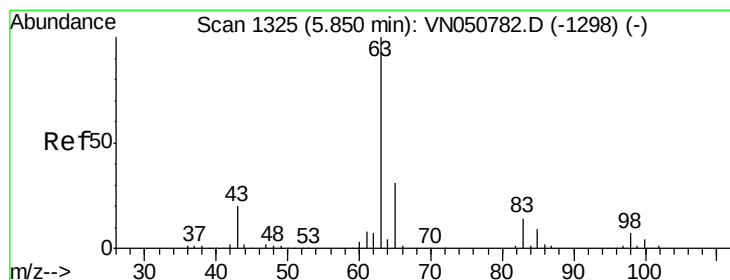
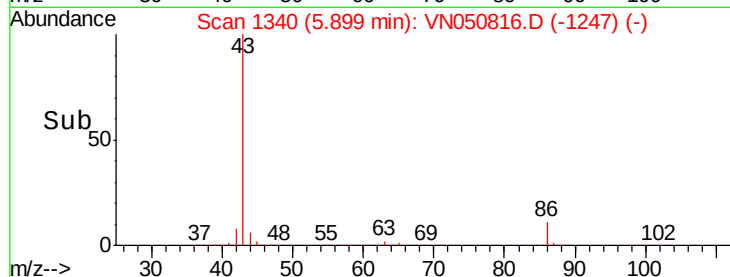
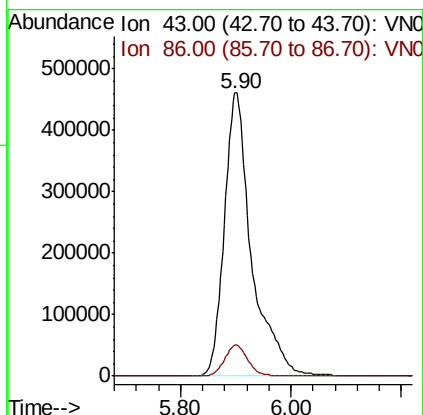
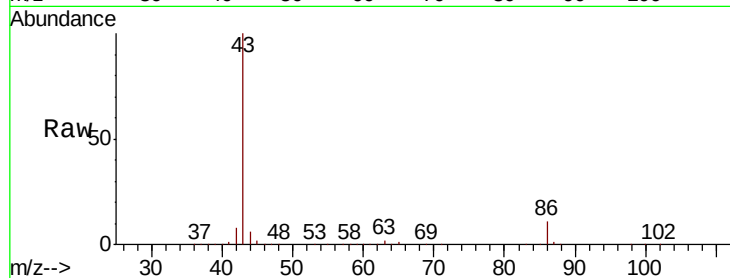




#23
 Vinyl Acetate
 Concen: 105.13 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

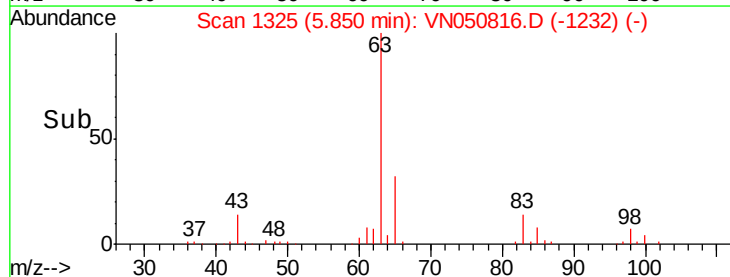
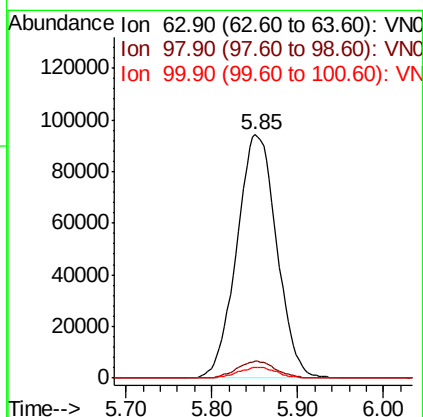
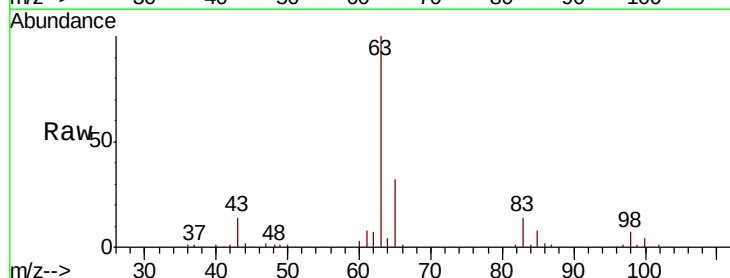
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

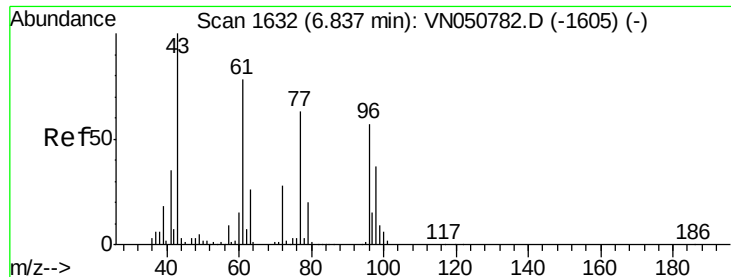
Tot Ion: 43 Resp: 1580919
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 20.31 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 63 Resp: 304424
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.4 2.1 6.5

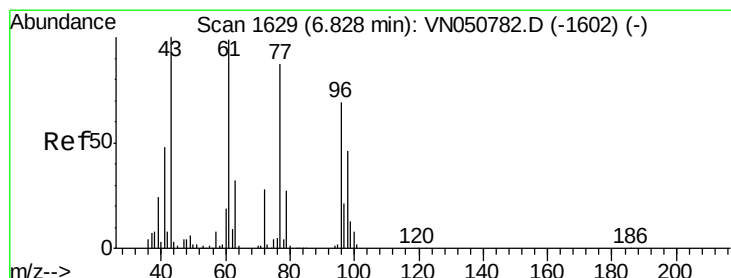
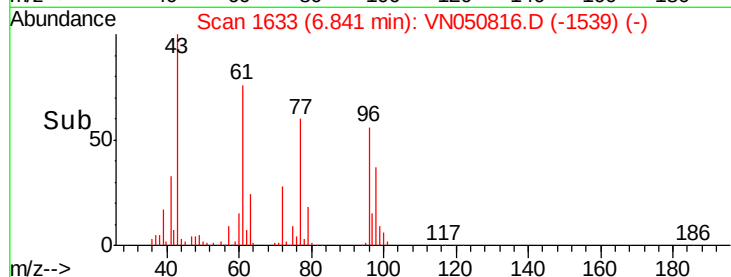
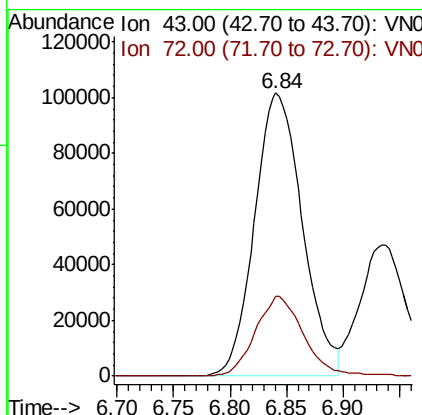
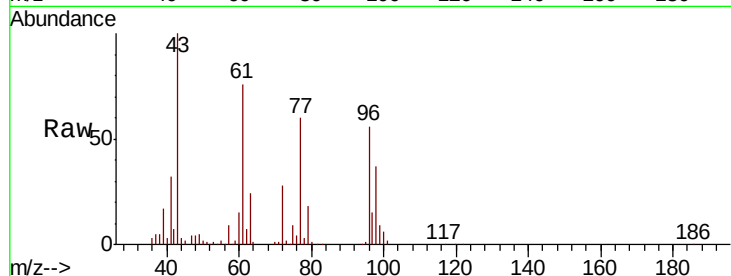




#25
2-Butanone
Concen: 91.66 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

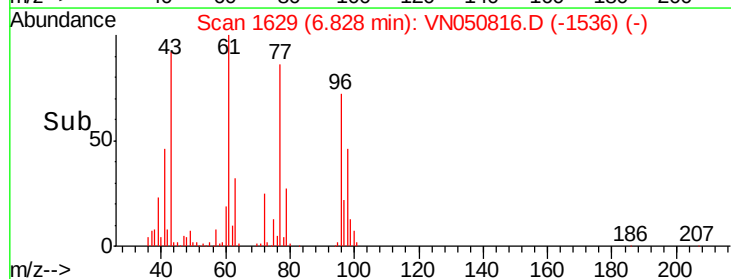
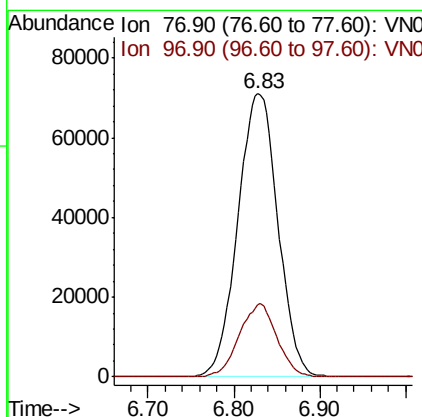
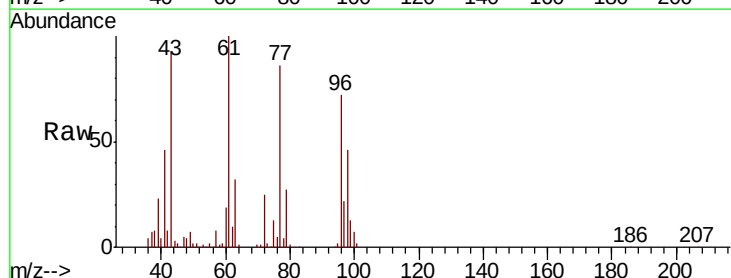
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

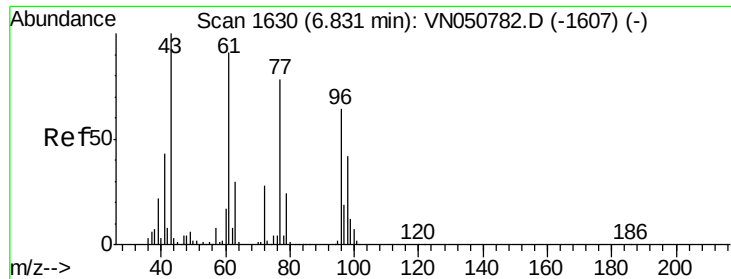
Tot Ion: 43 Resp: 297721
Ion Ratio Lower Upper
43 100
72 28.1 22.3 33.5



#26
2,2-Dichloropropane
Concen: 19.10 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 77 Resp: 230062
Ion Ratio Lower Upper
77 100
97 24.3 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.62 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

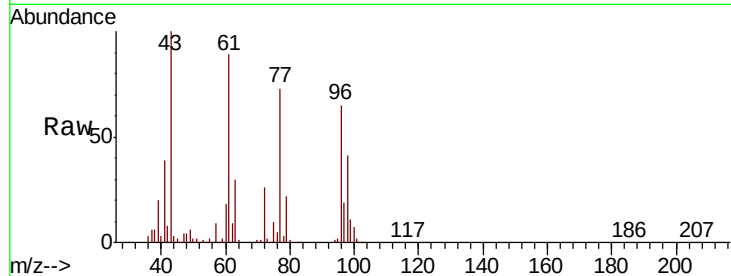
Tot Ion: 96 Resp: 180838

Ion Ratio Lower Upper

96 100

61 138.4 0.0 283.4

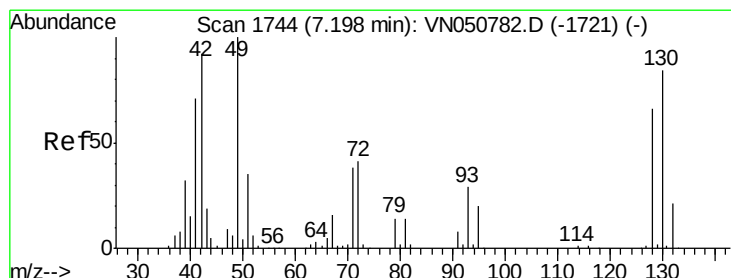
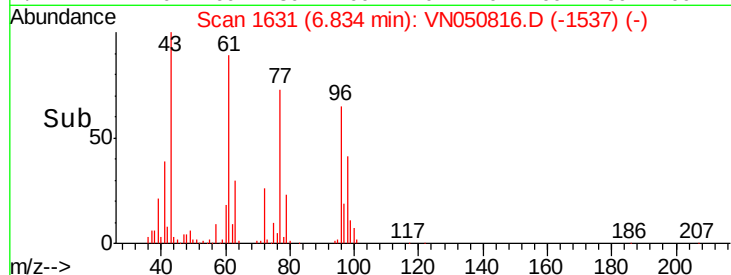
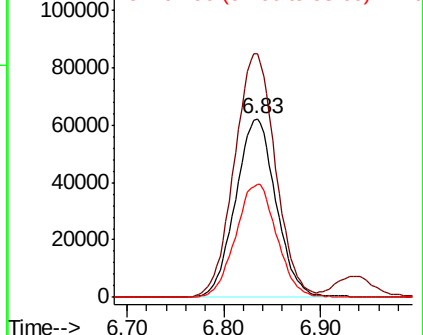
98 64.6 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.42 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

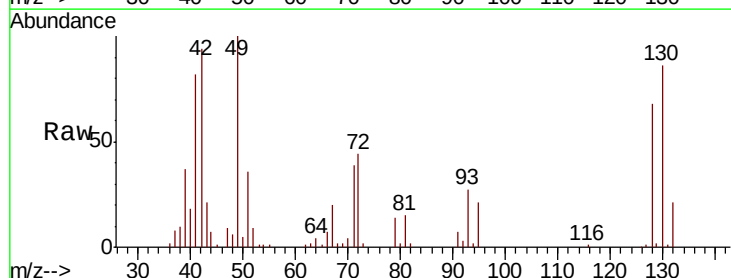
Tgt Ion: 49 Resp: 117309

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

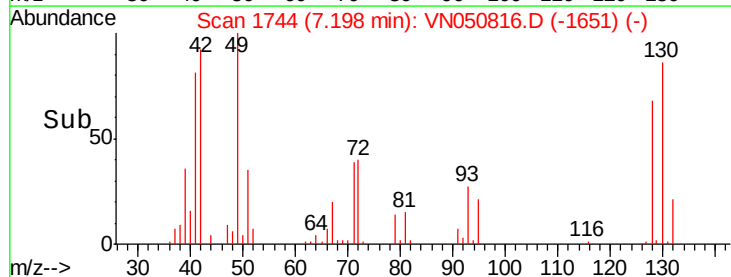
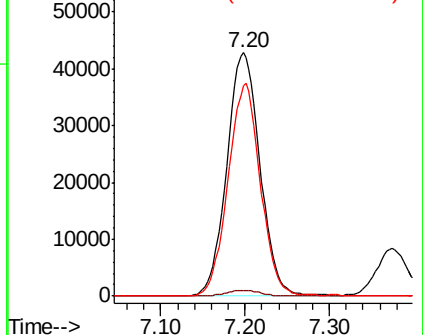
130 84.7 67.1 100.7

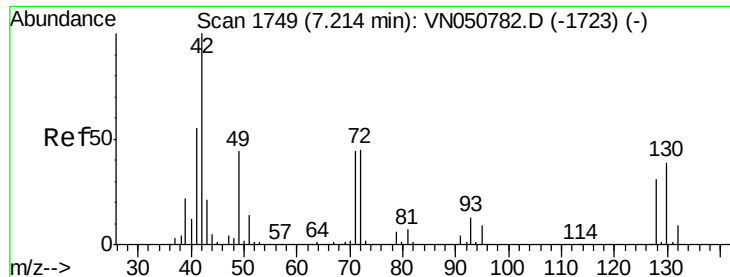


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 108.74 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

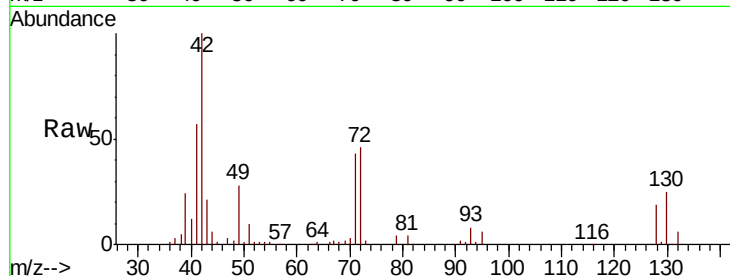
Tot Ion: 42 Resp: 202500

Ion Ratio Lower Upper

42 100

72 45.7 35.5 53.3

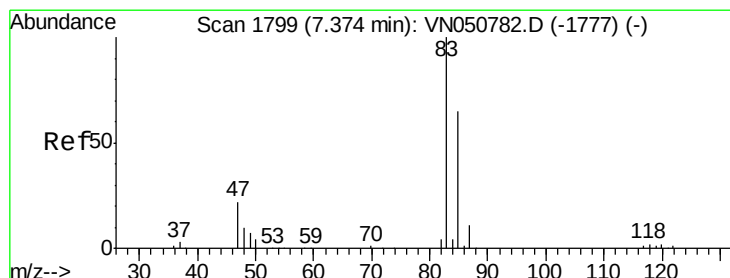
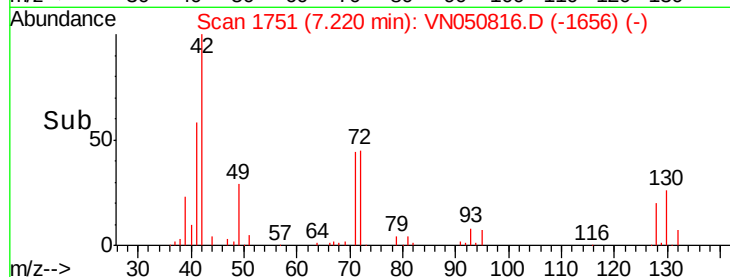
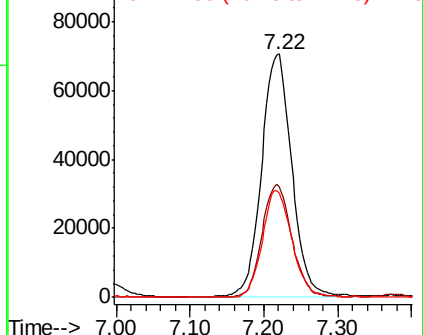
71 42.9 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.09 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050816.D

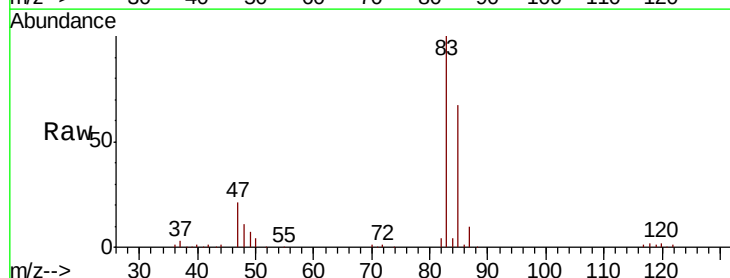
Acq: 22 Aug 2018 13:48

Tgt Ion: 83 Resp: 298170

Ion Ratio Lower Upper

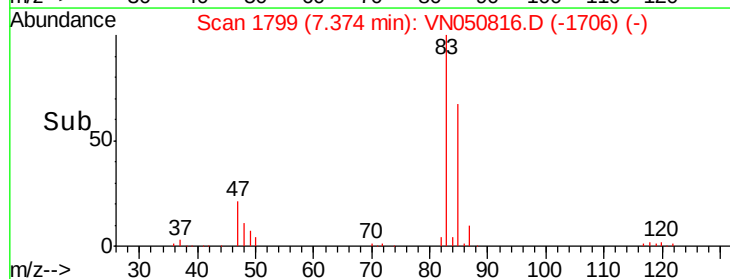
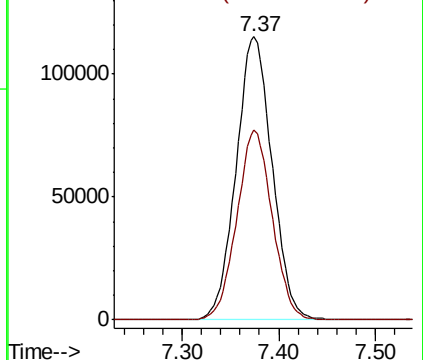
83 100

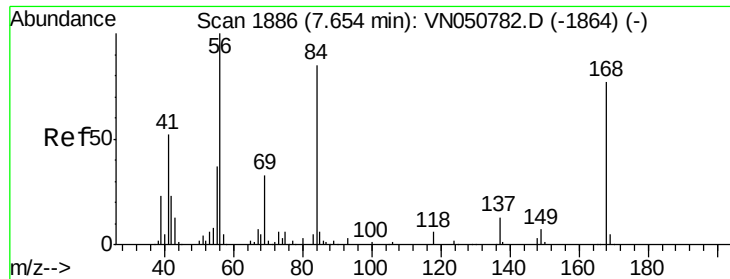
85 67.1 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.85 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

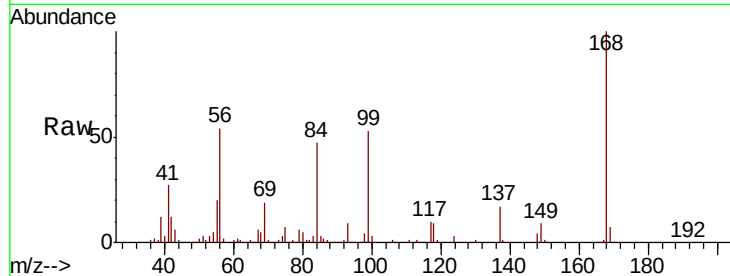
Tot Ion: 56 Resp: 266618

Ion Ratio Lower Upper

56 100

69 35.6 26.2 39.4

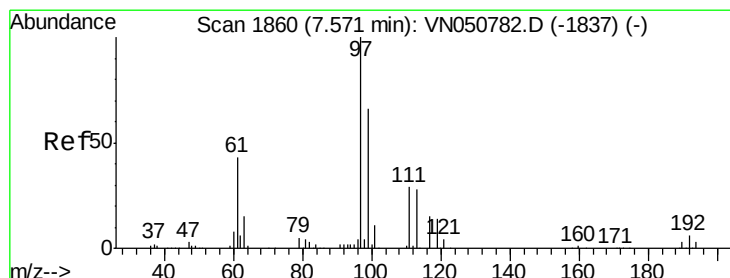
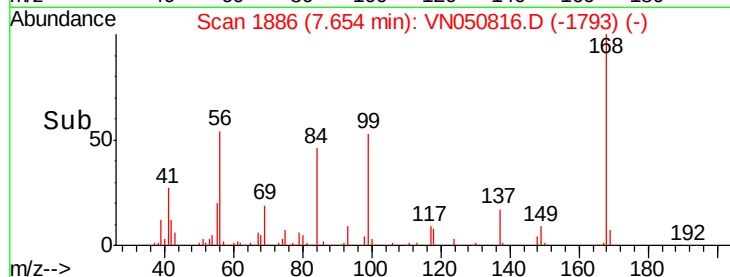
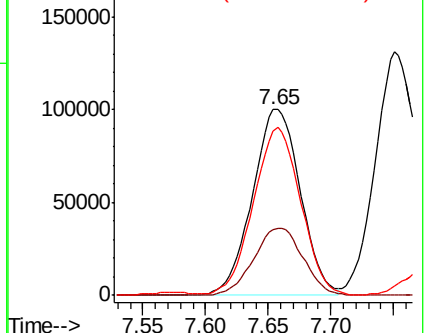
84 87.2 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.07 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

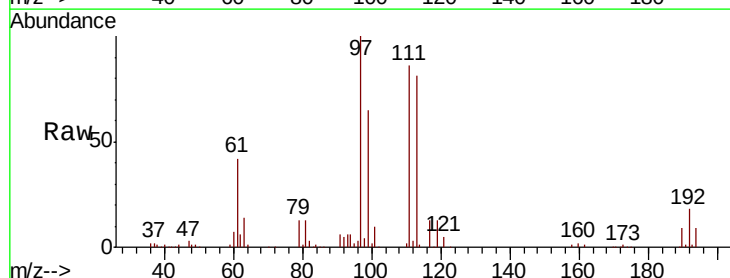
Tgt Ion: 97 Resp: 255882

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

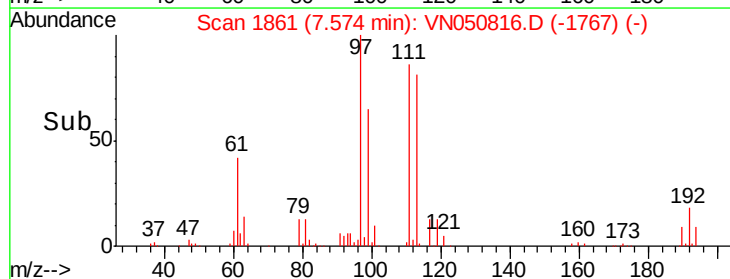
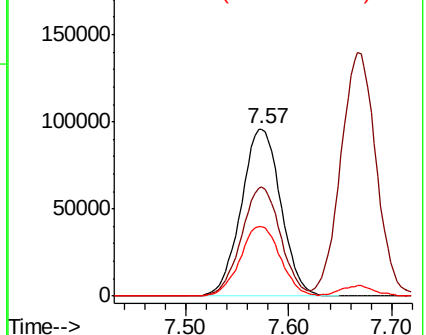
61 42.3 34.9 52.3

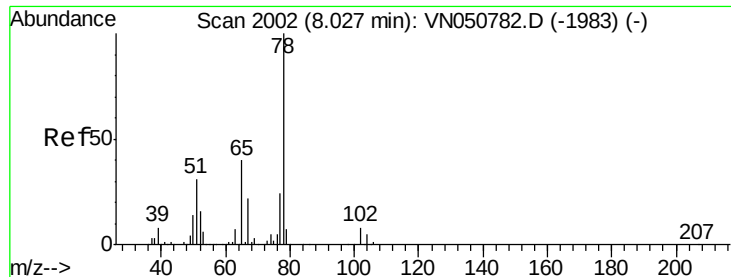


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

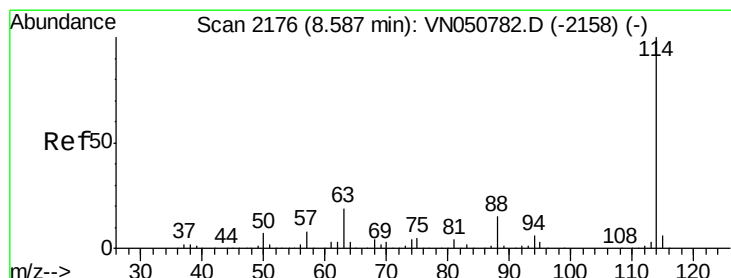
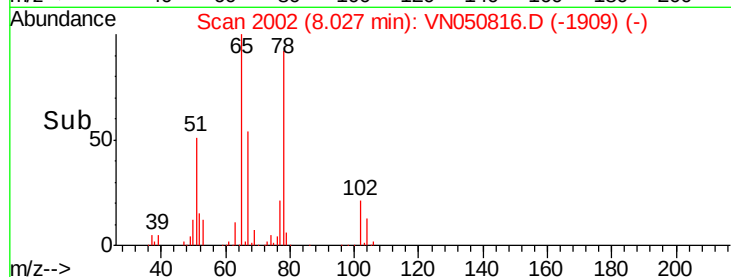
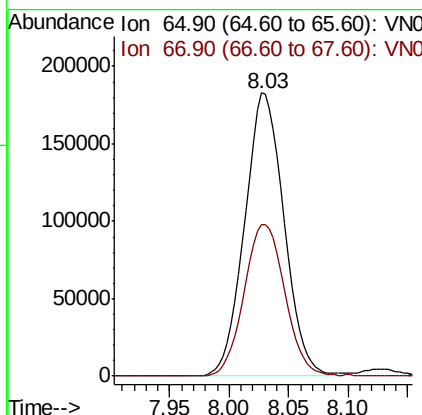
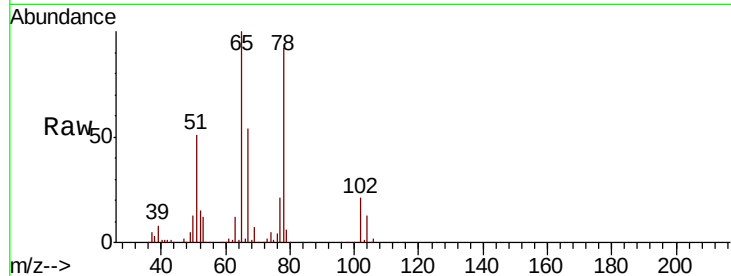




#33
 1,2-Dichloroethane-d4
 Concen: 52.12 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

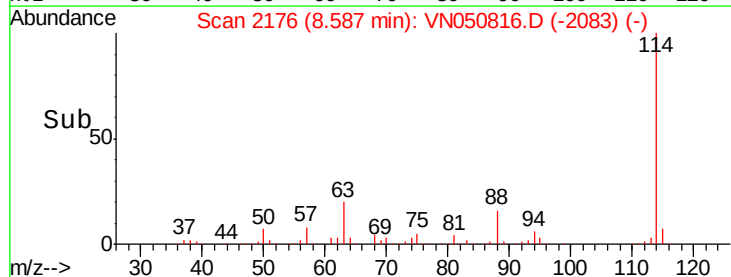
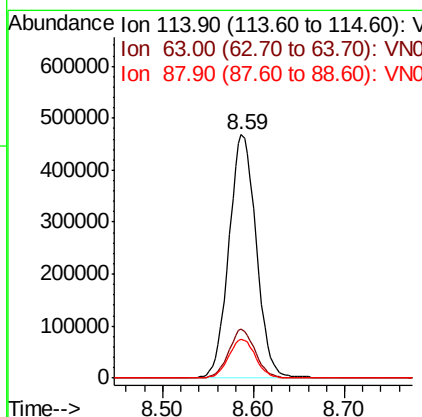
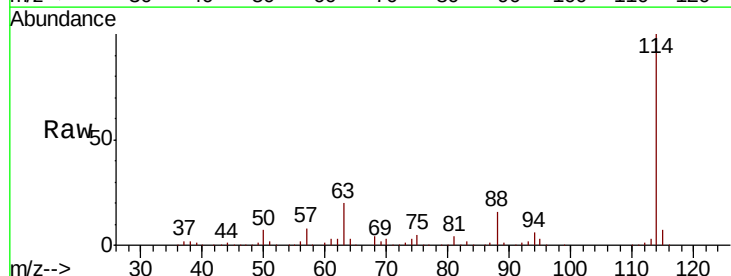
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

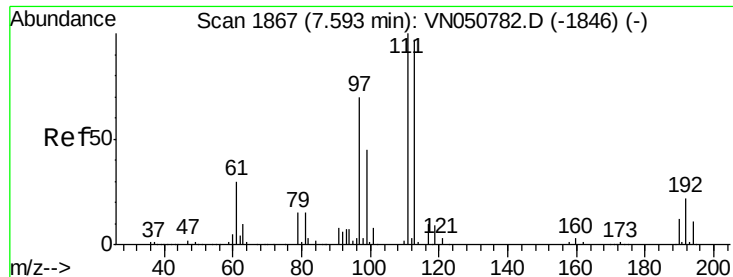
Tot Ion: 65 Resp: 420075
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 114 Resp: 978128
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.6
 88 16.0 0.0 30.6

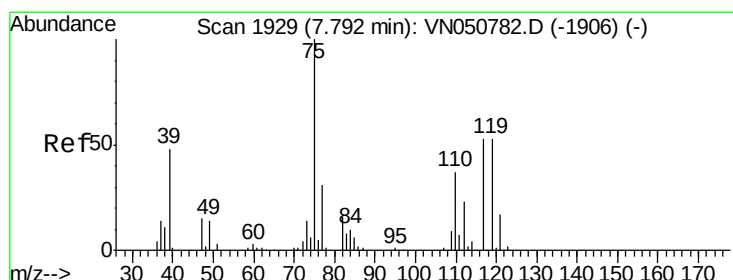
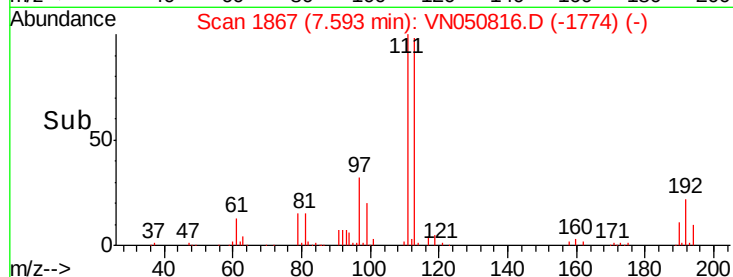
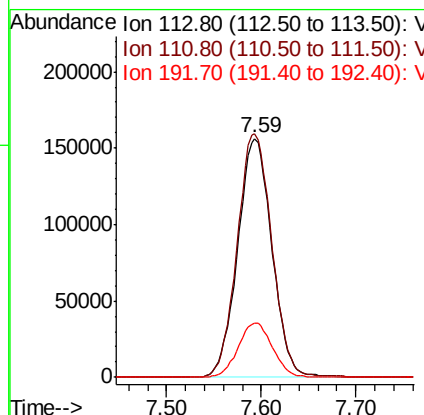
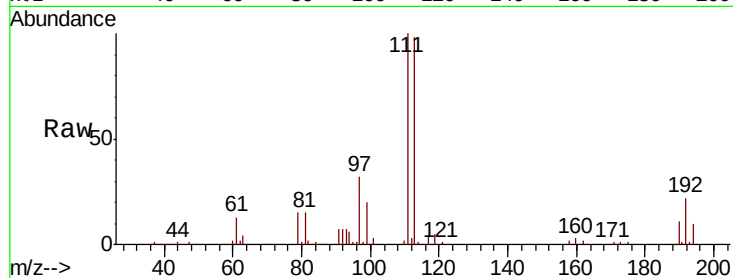




#35
 Dibromofluoromethane
 Concen: 50.51 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

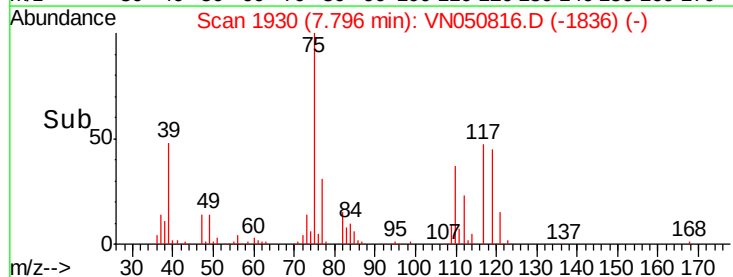
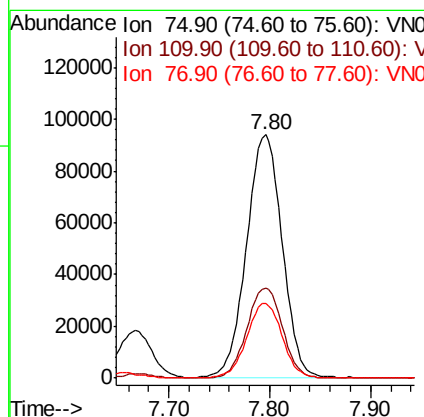
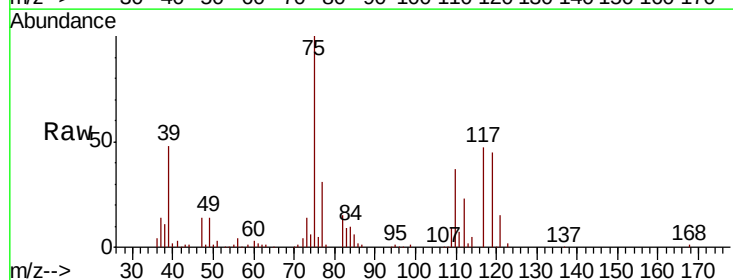
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

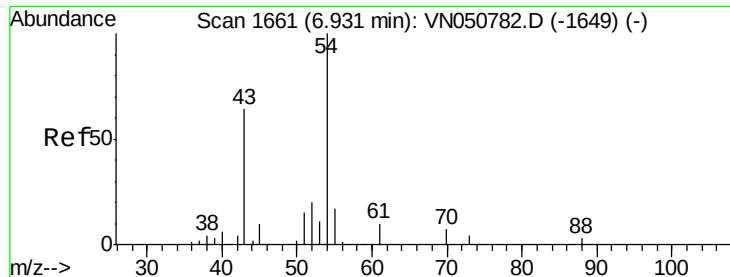
Tot Ion:113 Resp: 393079
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.6 123.8
 192 22.9 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 19.87 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 75 Resp: 229379
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.1 54.4
 77 31.0 24.8 37.2

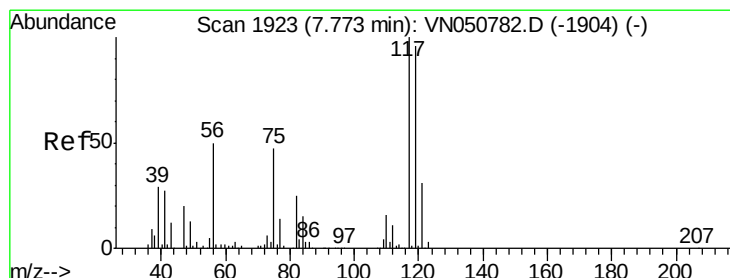
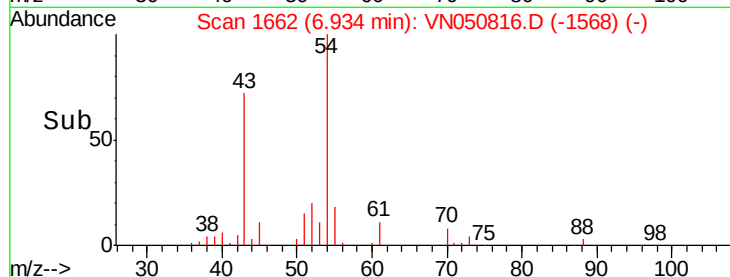
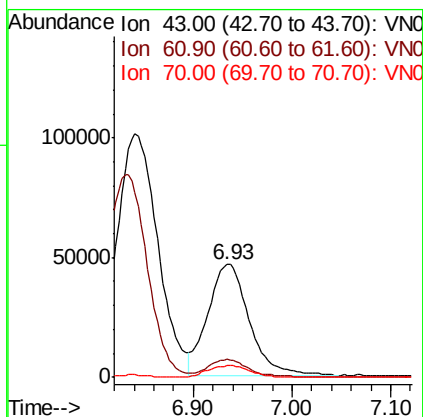
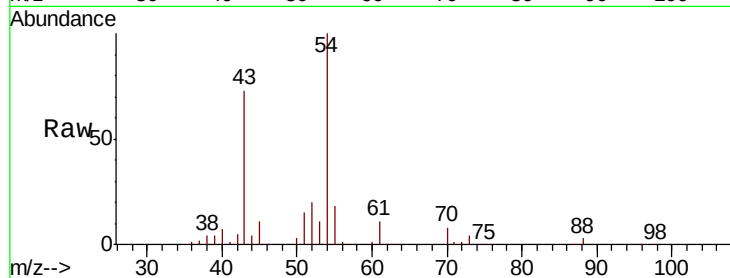




#37
Ethyl Acetate
Concen: 20.66 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

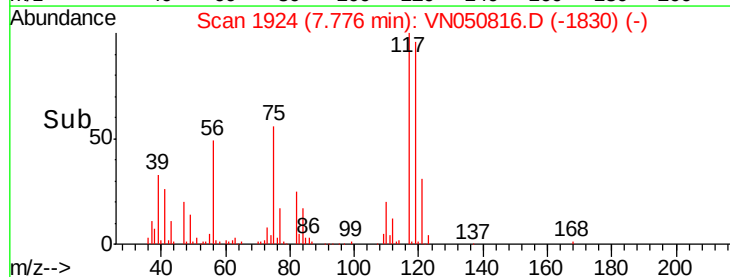
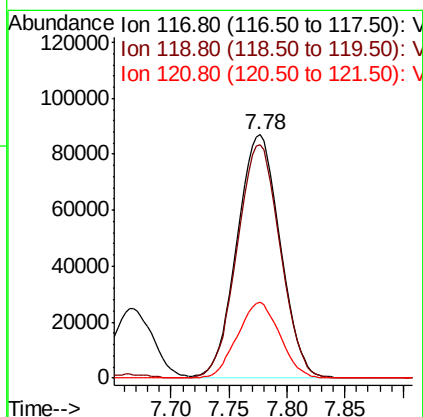
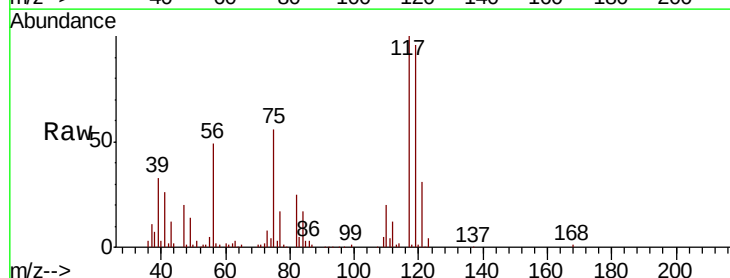
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

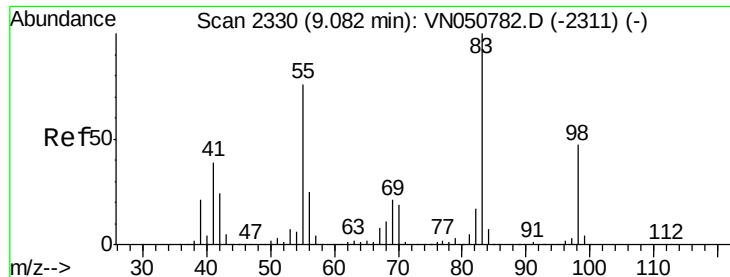
Tot Ion: 43 Resp: 136997
Ion Ratio Lower Upper
43 100
61 15.1 12.0 18.0
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.27 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 117 Resp: 224886
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5
121 31.1 24.6 36.8

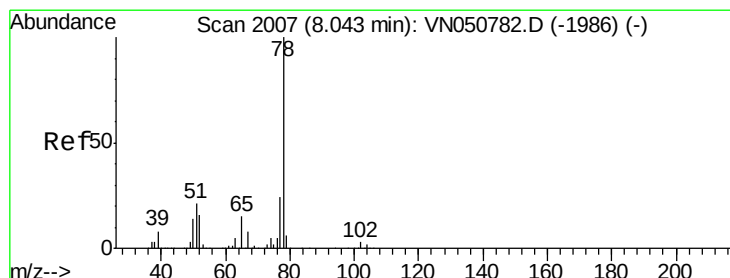
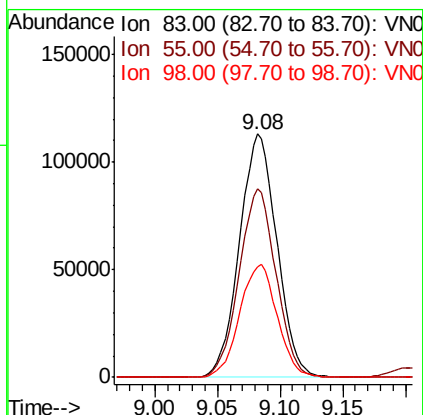
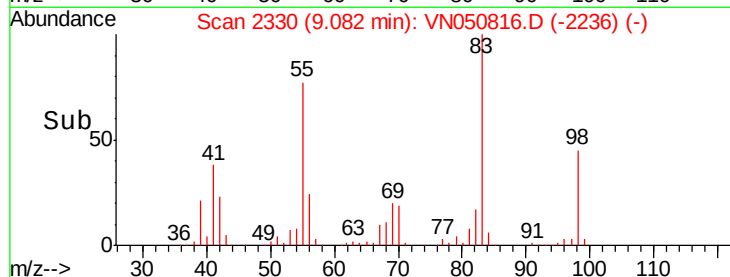
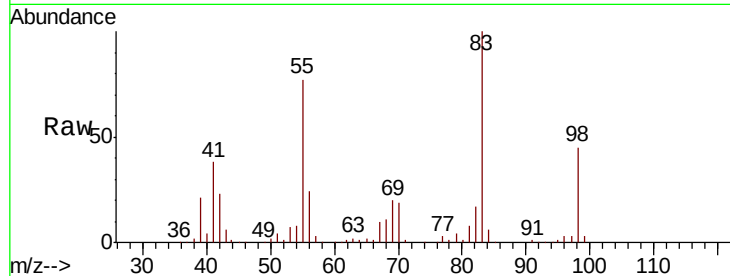




#39
Methylvlcyclohexane
Concen: 18.80 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

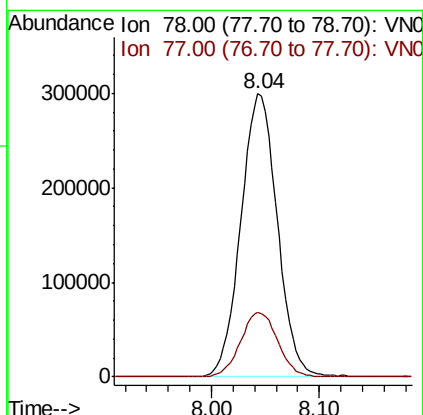
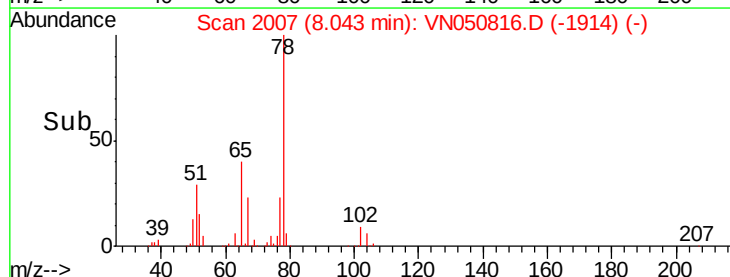
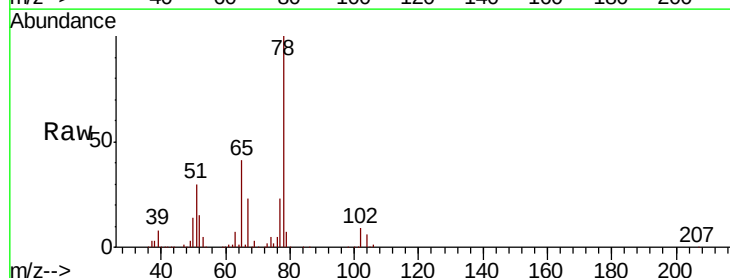
Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

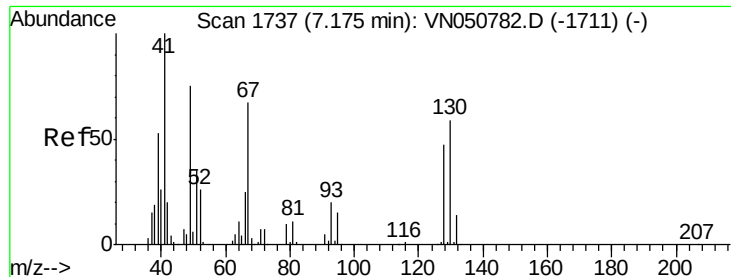
Tot Ion: 83 Resp: 234770
Ion Ratio Lower Upper
83 100
55 77.3 61.0 91.4
98 45.3 37.5 56.3



#40
Benzene
Concen: 20.20 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 78 Resp: 702925
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4

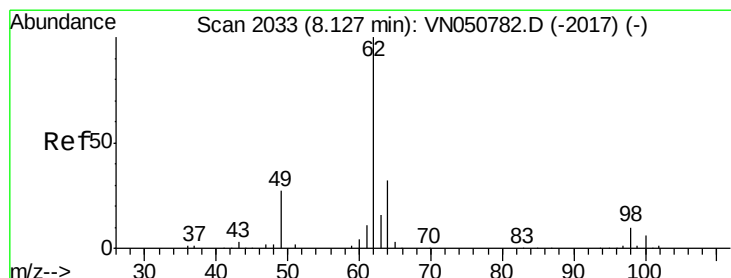
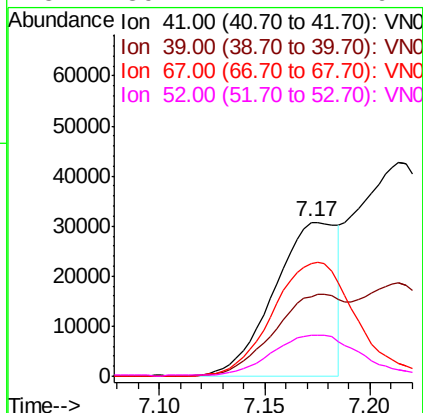
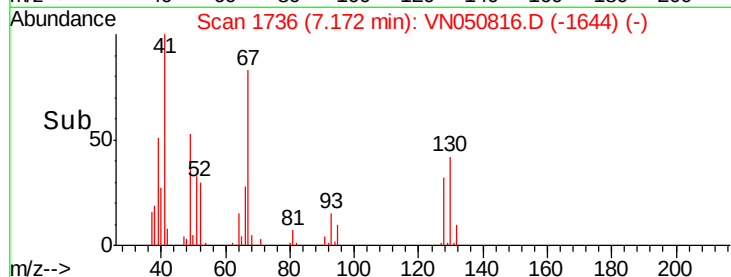
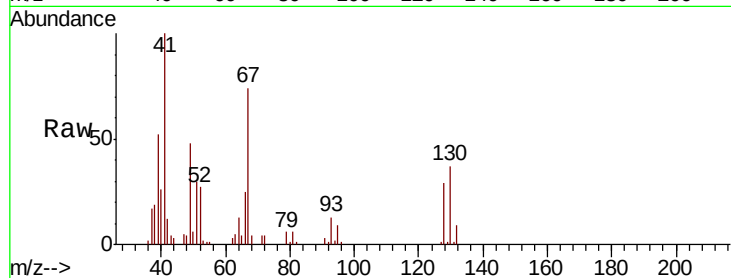




#41
Methacrylonitrile
Concen: 17.86 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

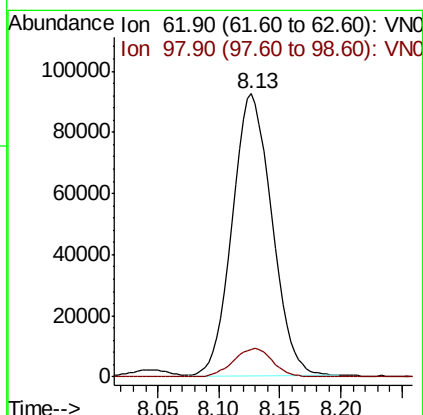
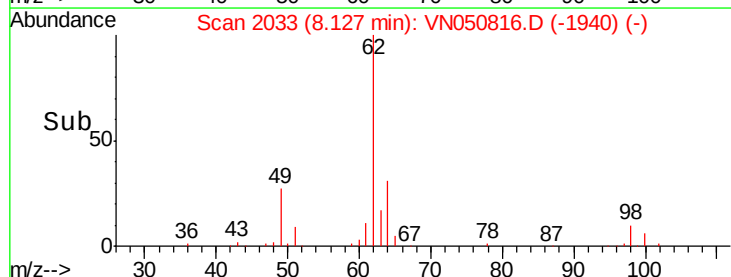
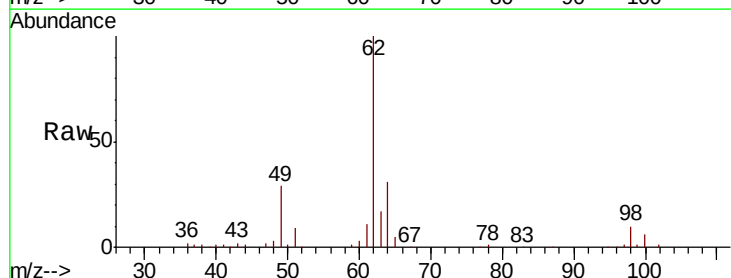
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

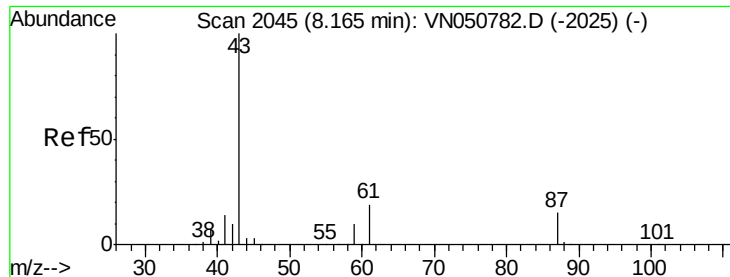
Tot Ion: 41 Resp: 64084
Ion Ratio Lower Upper
41 100
39 62.3 45.4 68.0
67 99.3 70.6 106.0
52 39.4 27.1 40.7



#42
1,2-Dichloroethane
Concen: 19.96 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 62 Resp: 207752
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 21.70 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

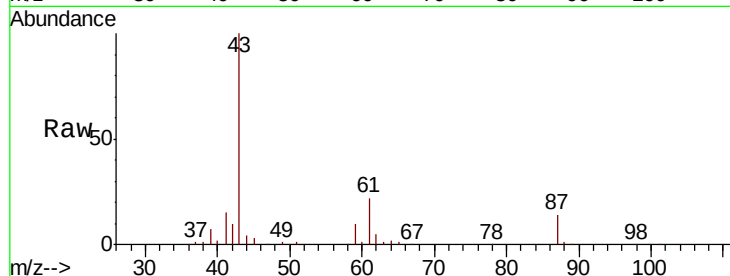
Tot Ion: 43 Resp: 247349

Ion Ratio Lower Upper

43 100

61 30.2 17.5 26.3#

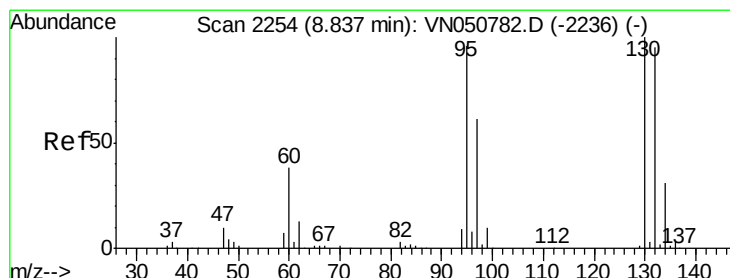
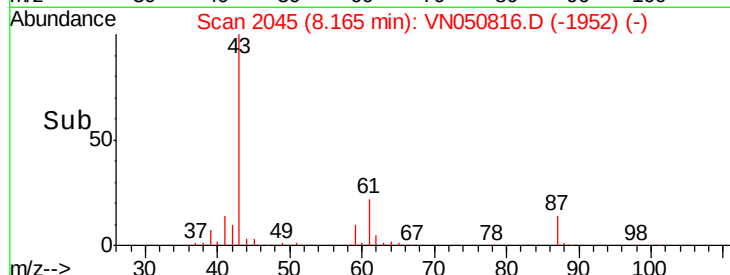
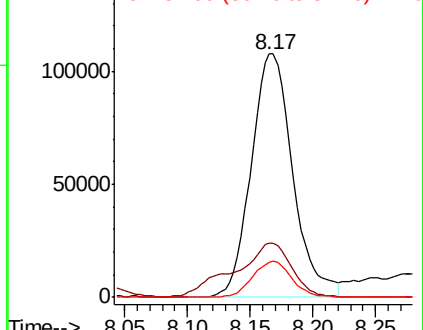
87 14.0 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.11 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050816.D

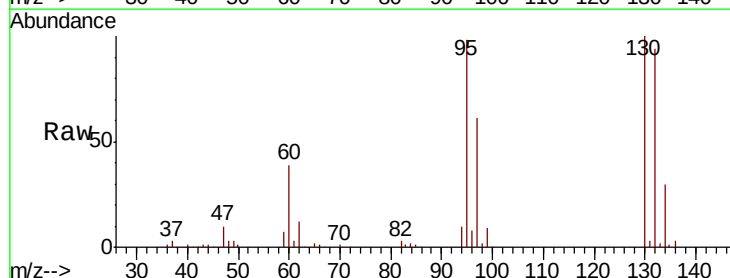
Acq: 22 Aug 2018 13:48

Tgt Ion:130 Resp: 184577

Ion Ratio Lower Upper

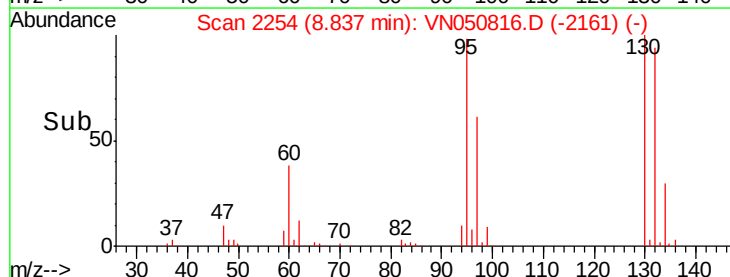
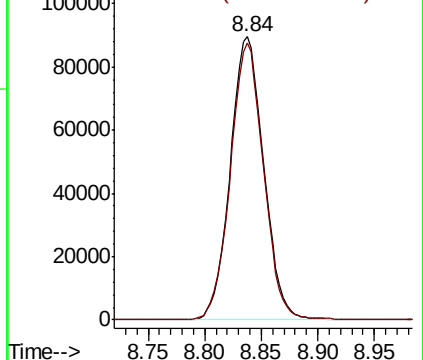
130 100

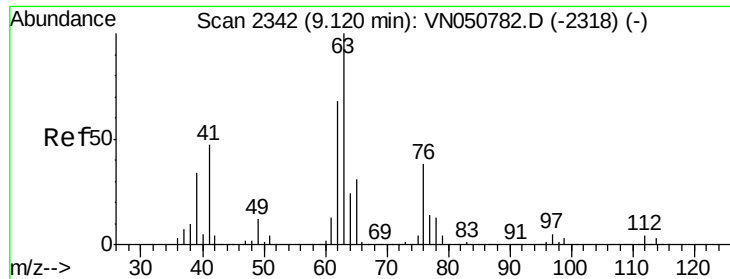
95 97.9 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

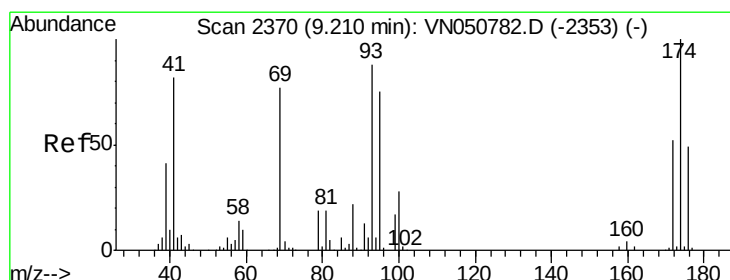
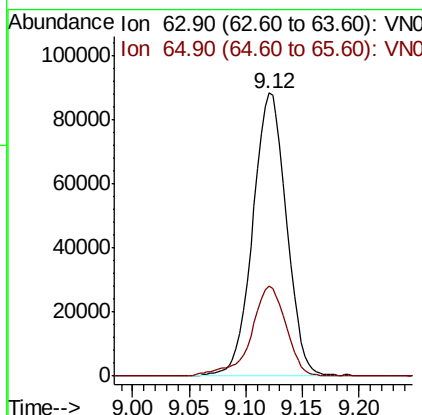
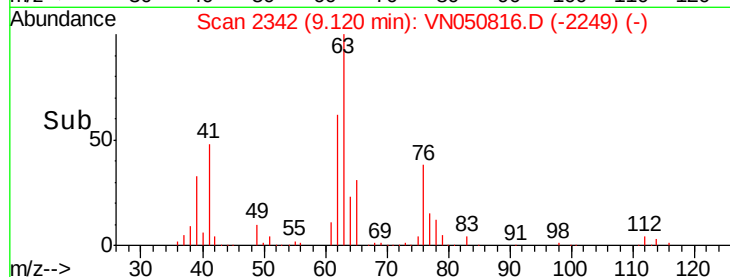
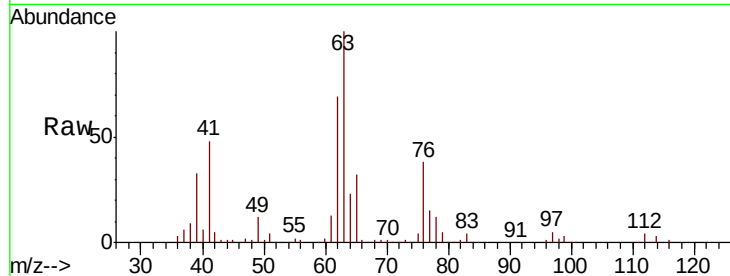




#45
 1,2-Dichloropropane
 Concen: 19.99 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

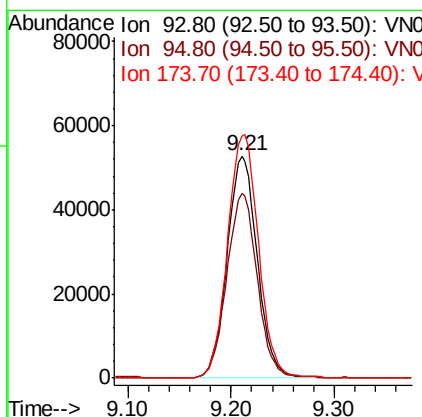
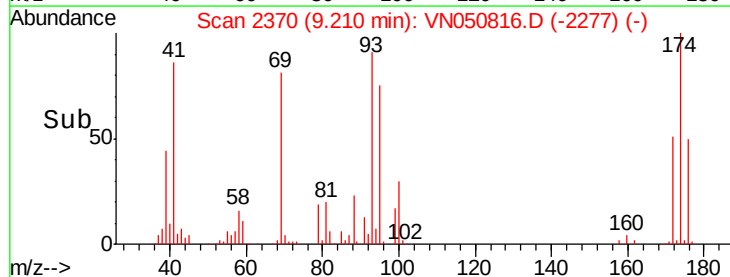
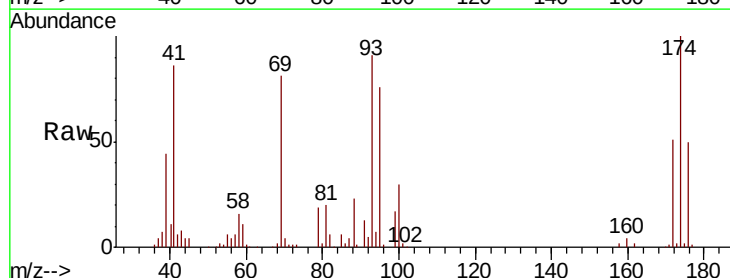
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

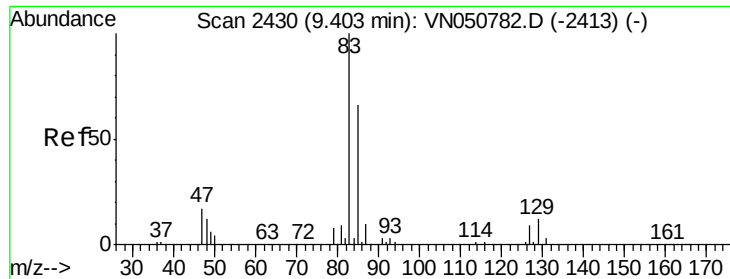
Tot Ion: 63 Resp: 182821
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.6



#46
 Dibromomethane
 Concen: 20.06 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 93 Resp: 107799
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 112.6 89.8 134.6





#47

Bromodichloromethane

Concen: 19.61 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

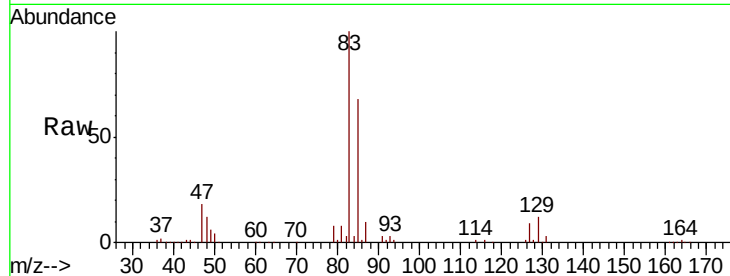
Tot Ion: 83 Resp: 220762

Ion Ratio Lower Upper

83 100

85 67.5 52.6 78.8

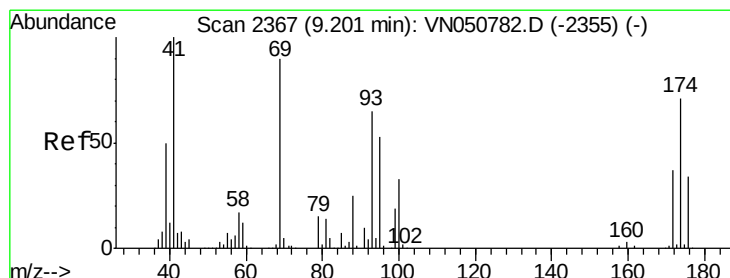
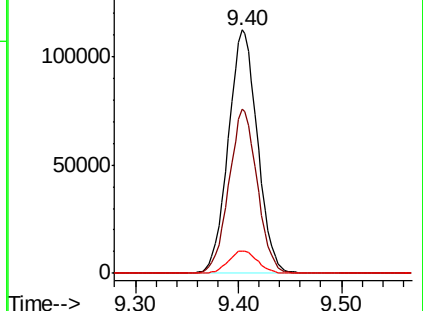
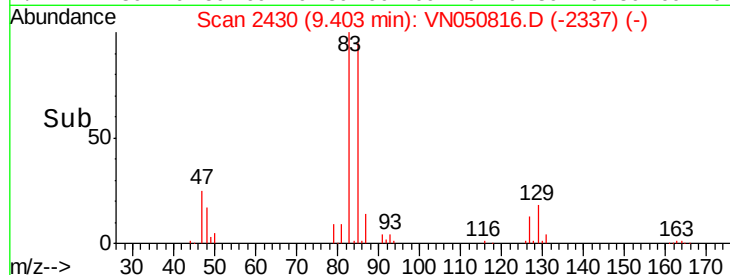
127 9.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.20 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

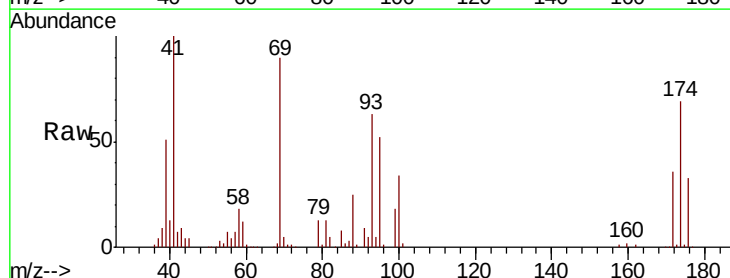
Tgt Ion: 41 Resp: 117336

Ion Ratio Lower Upper

41 100

69 96.7 74.7 112.1

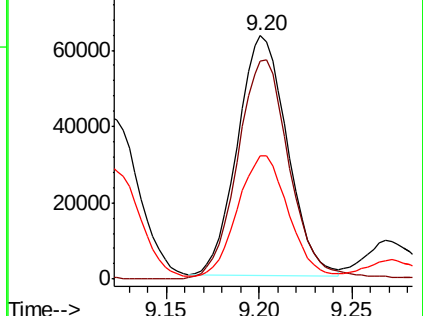
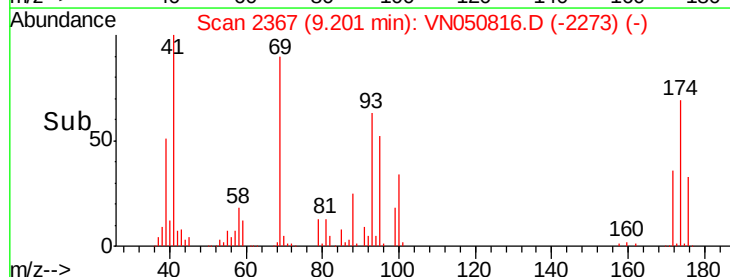
39 52.4 42.2 63.2

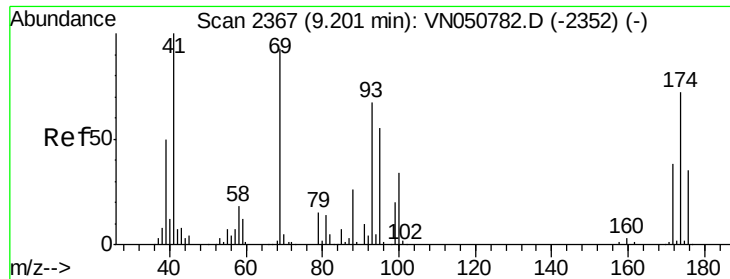


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 432.45 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

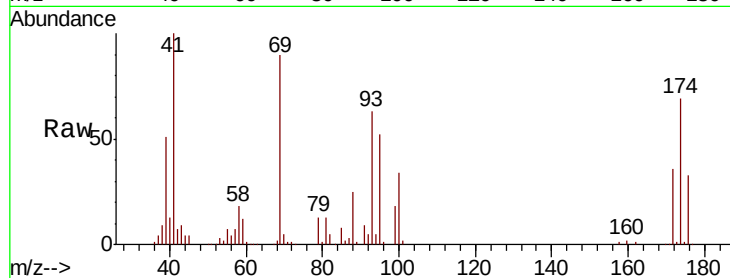
Tot Ion: 88 Resp: 34251

Ion Ratio Lower Upper

88 100

43 30.8 25.9 38.9

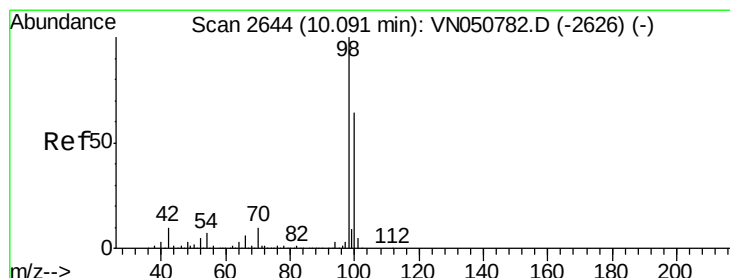
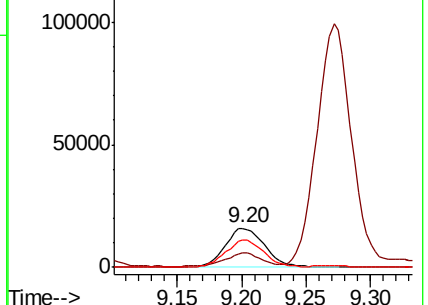
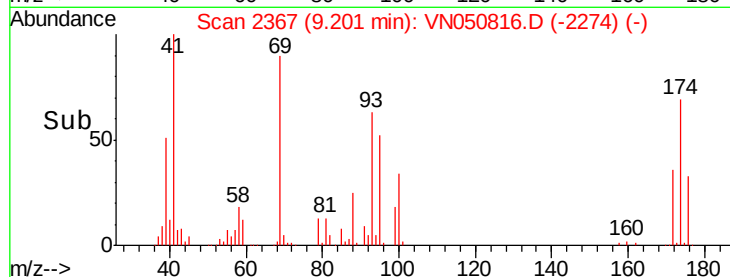
58 67.3 55.0 82.4



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



#50

Toluene-d8

Concen: 51.82 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050816.D

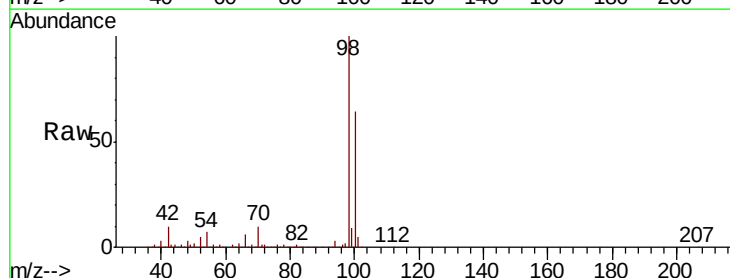
Acq: 22 Aug 2018 13:48

Tgt Ion: 98 Resp: 1507580

Ion Ratio Lower Upper

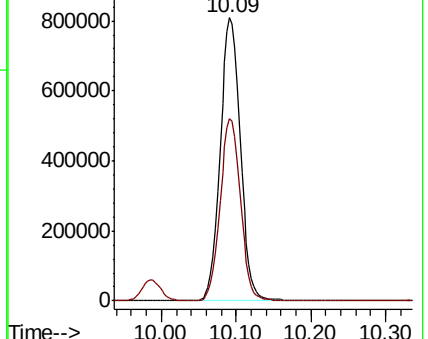
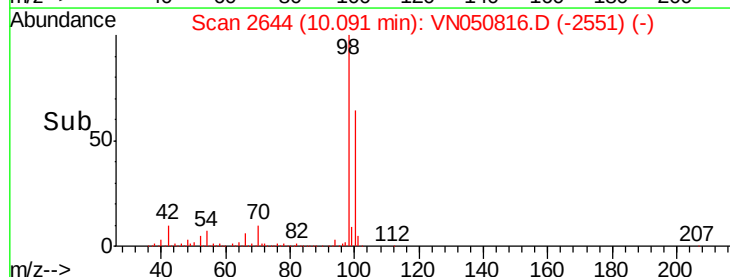
98 100

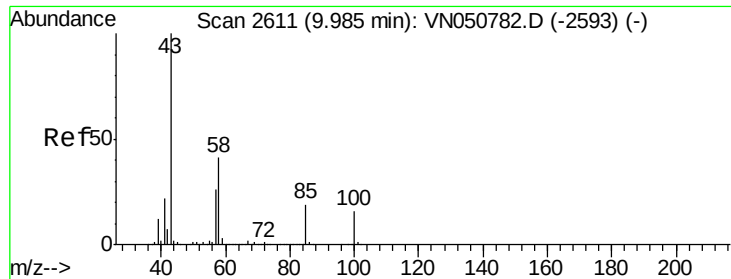
100 65.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

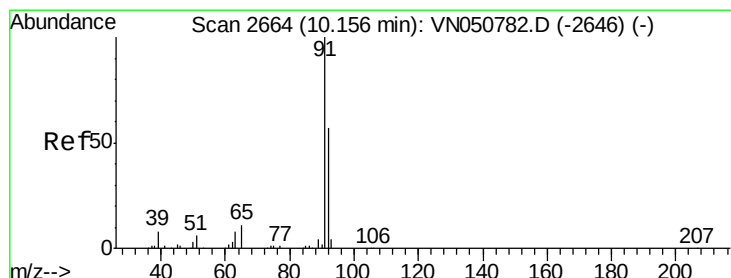
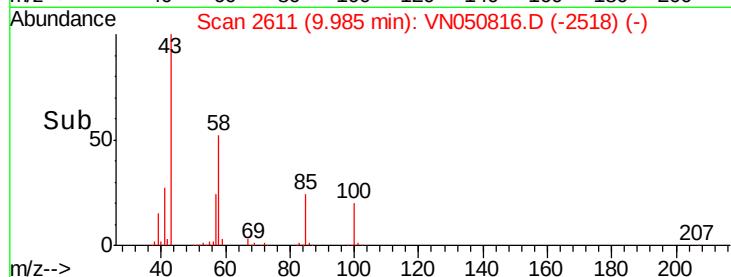
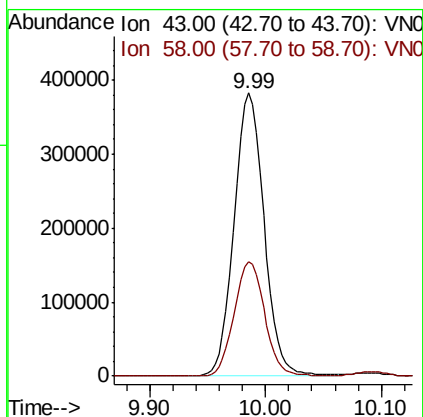
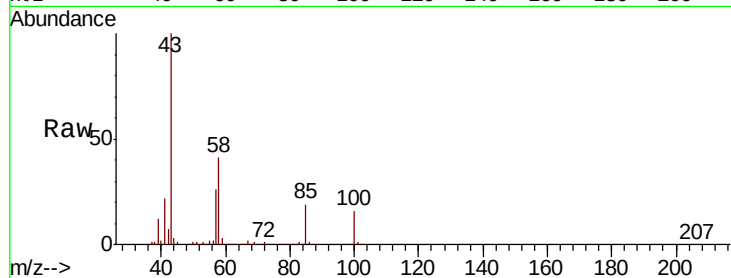




#51
 4-Methyl-2-Pentanone
 Concen: 100.64 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

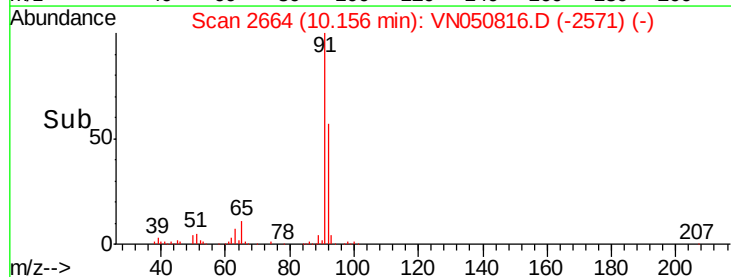
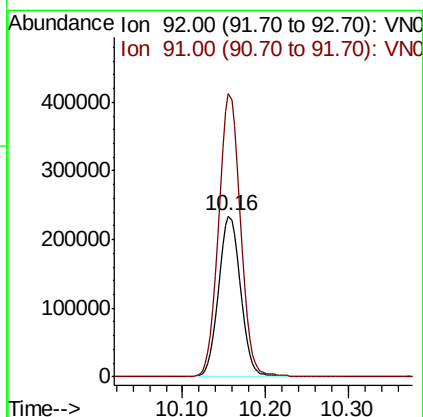
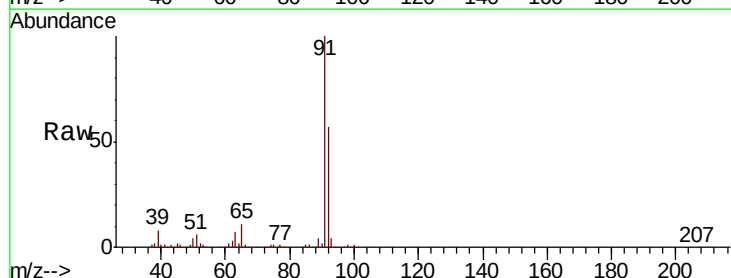
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

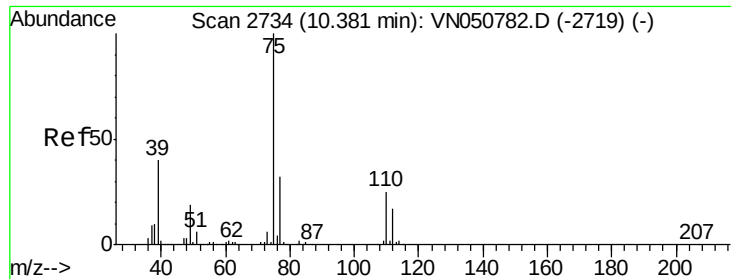
Tot Ion: 43 Resp: 684617
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6



#52
 Toluene
 Concen: 20.84 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 92 Resp: 429675
 Ion Ratio Lower Upper
 92 100
 91 174.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.78 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

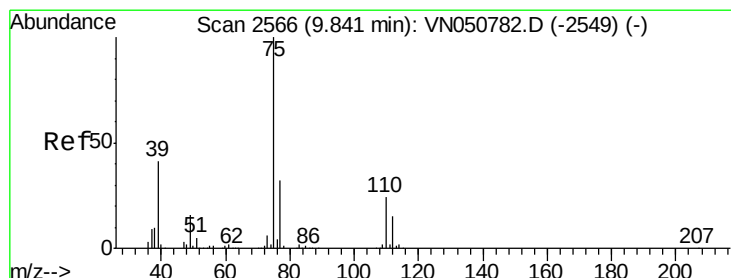
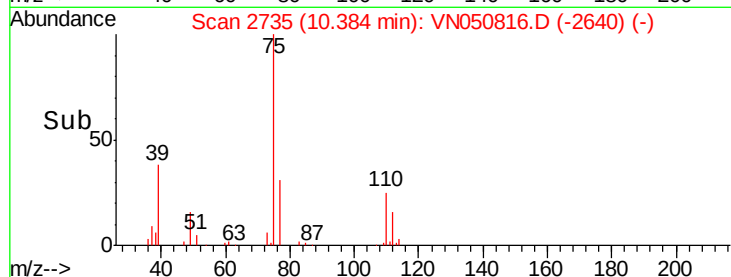
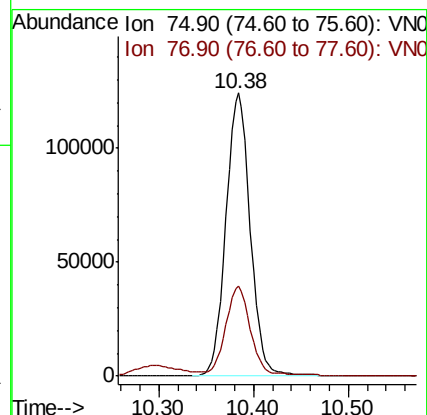
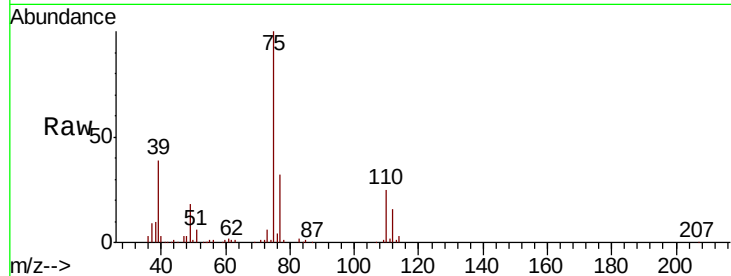
VN0822WBSD01

Tot Ion: 75 Resp: 221627

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

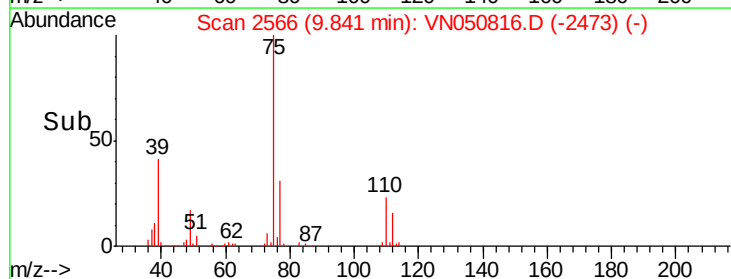
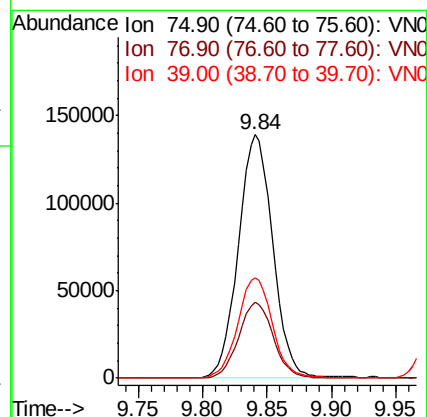
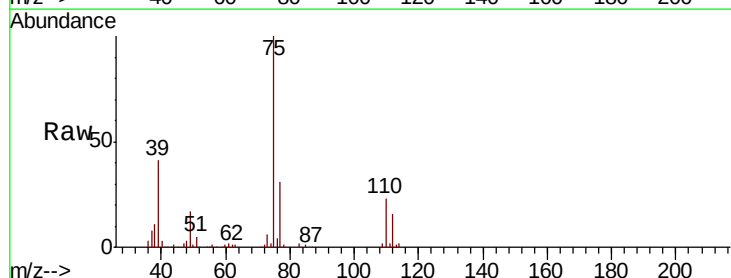
Tgt Ion: 75 Resp: 258485

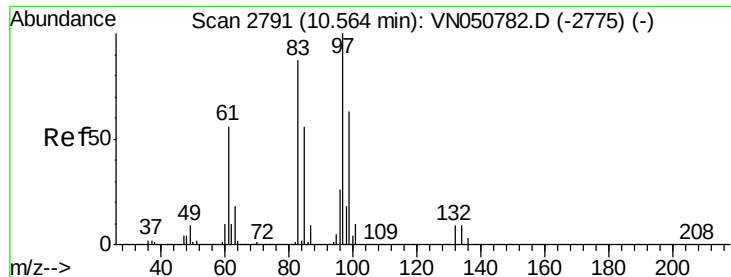
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2

39 41.3 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 20.50 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 97 Resp: 156852

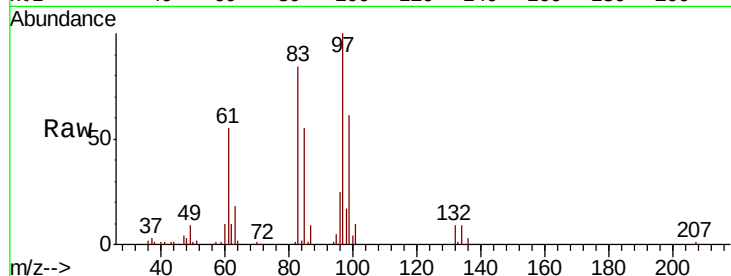
Ion Ratio Lower Upper

97 100

83 84.0 69.7 104.5

85 55.4 44.5 66.7

99 61.2 50.7 76.1

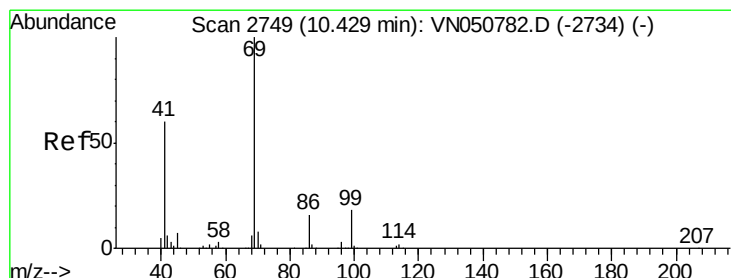
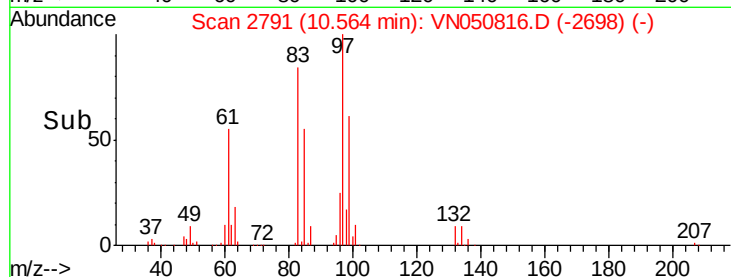
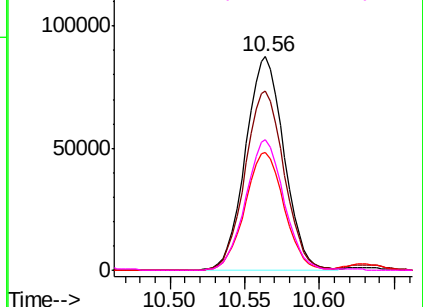


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.78 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

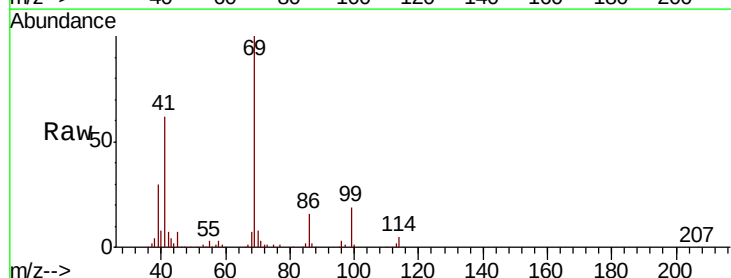
Tgt Ion: 69 Resp: 182052

Ion Ratio Lower Upper

69 100

41 60.8 48.3 72.5

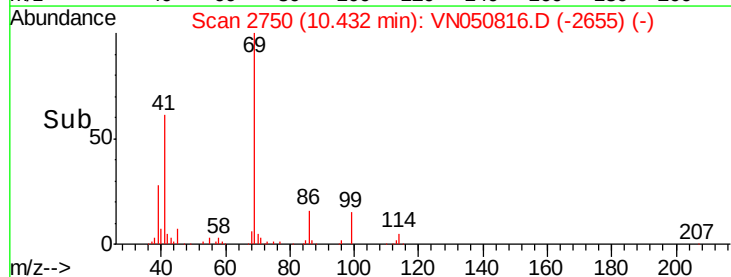
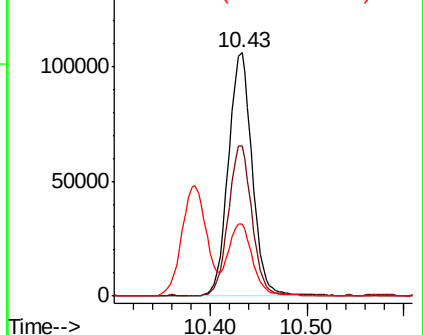
39 29.7 24.0 36.0

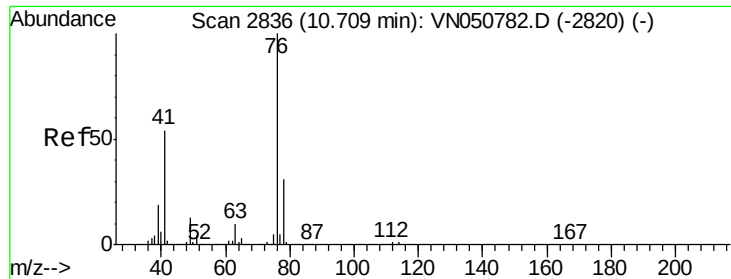


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

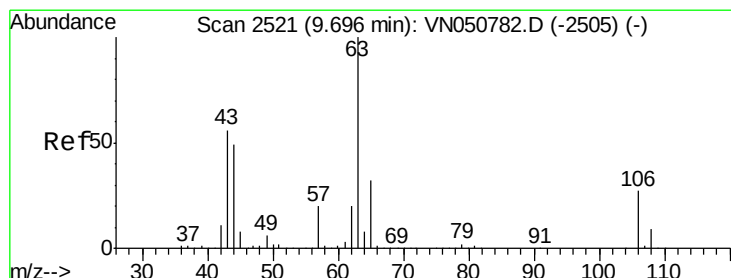
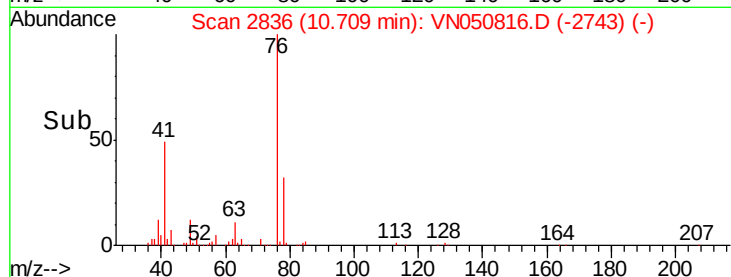
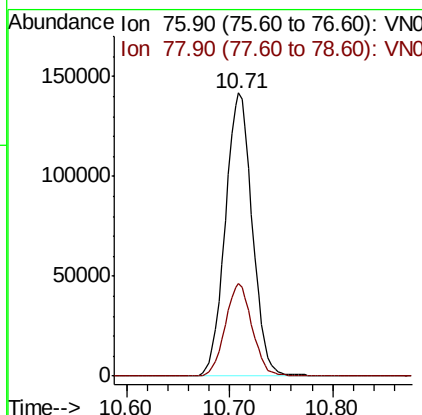
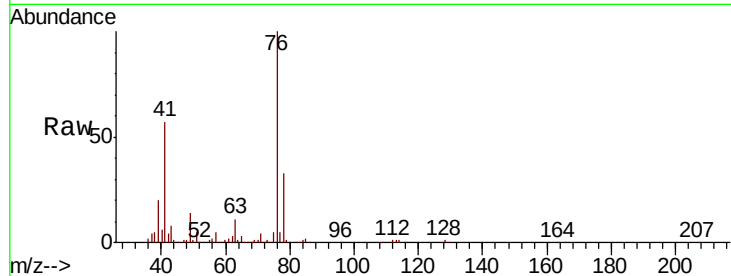




#57
 1,3-Dichloropropane
 Concen: 20.46 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

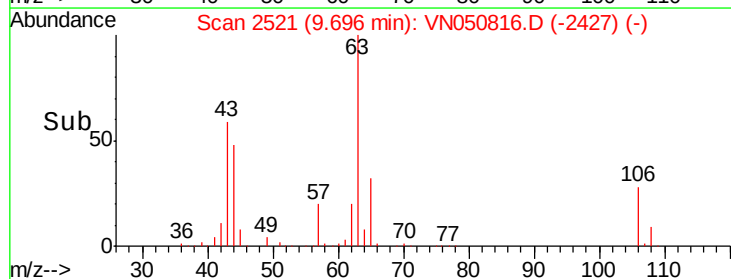
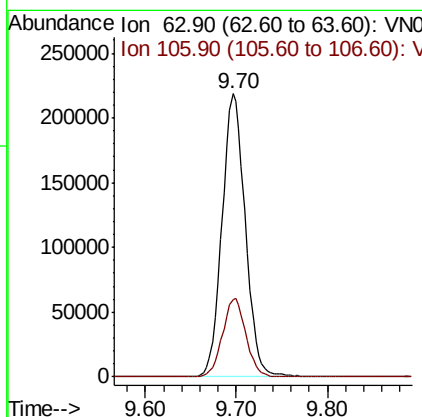
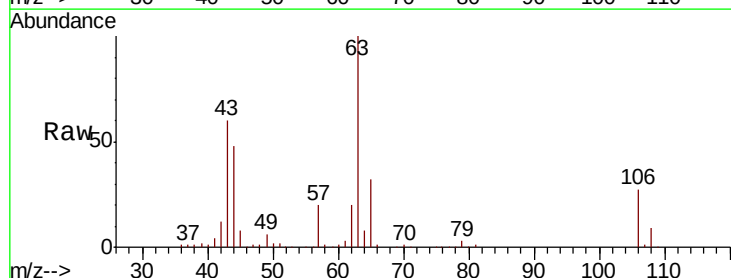
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

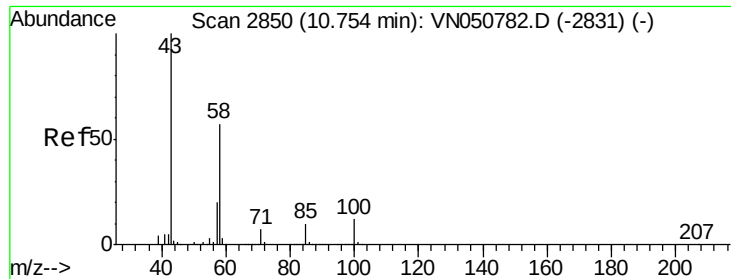
Tot Ion: 76 Resp: 258436
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.55 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 63 Resp: 389730
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.9 32.9

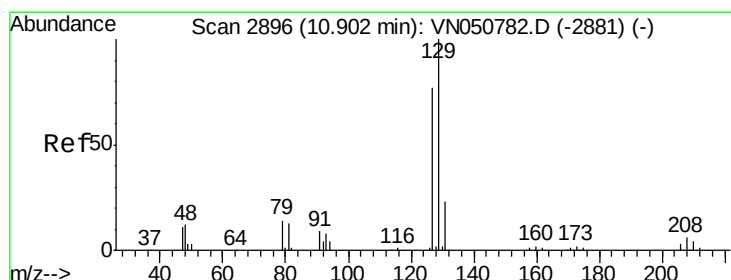
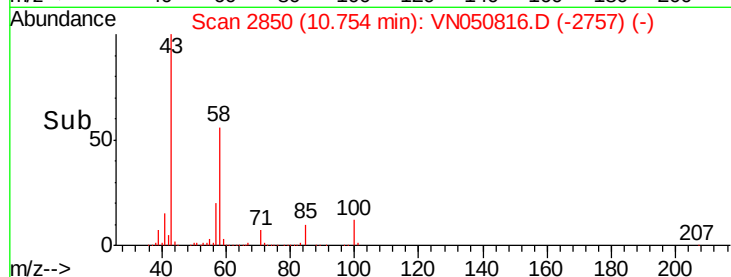
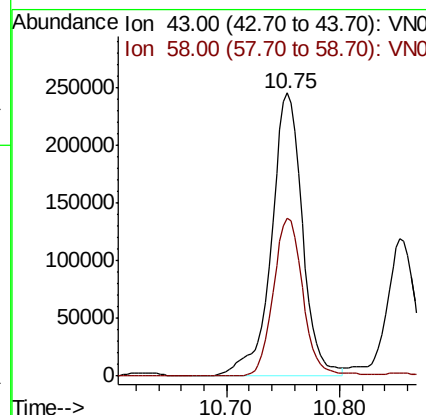
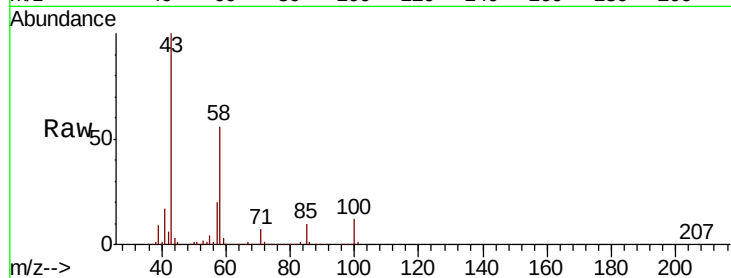




#59
2-Hexanone
Concen: 102.84 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

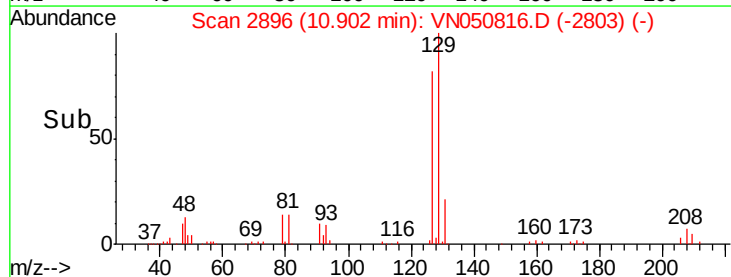
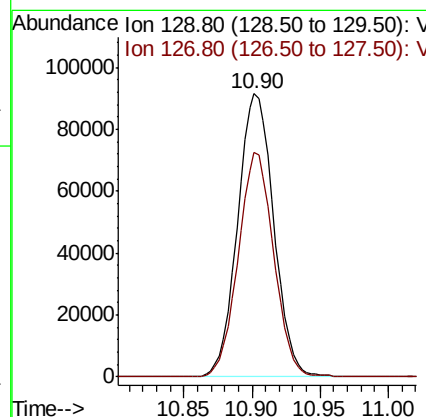
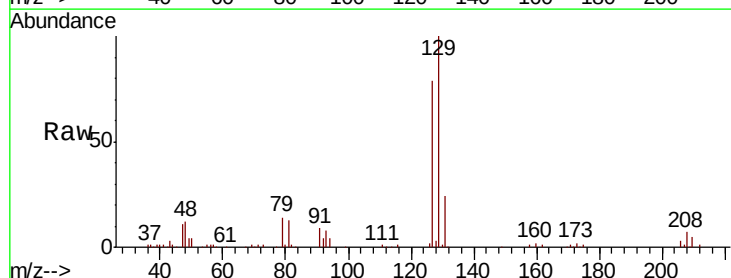
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

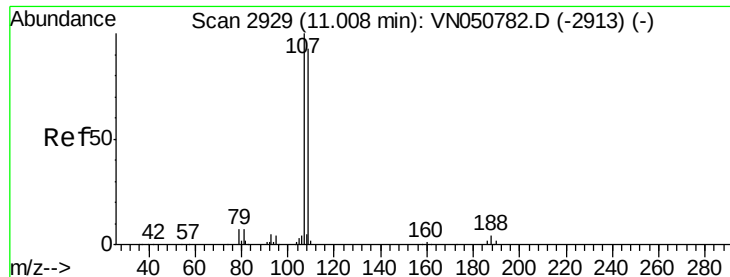
Tot Ion: 43 Resp: 465756
Ion Ratio Lower Upper
43 100
58 53.7 28.3 85.0



#60
Dibromochloromethane
Concen: 19.64 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 129 Resp: 168283
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9

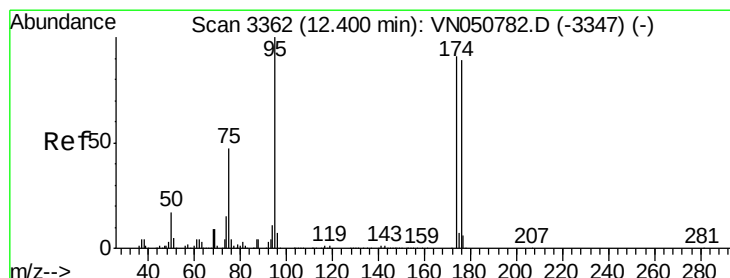
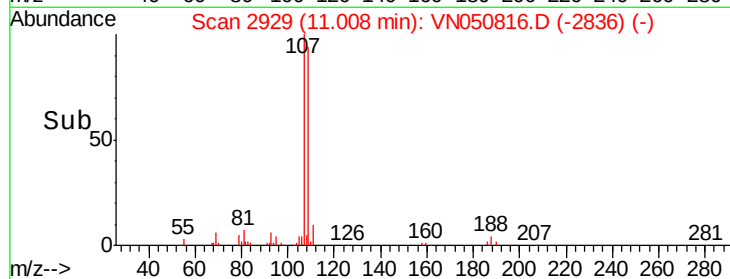
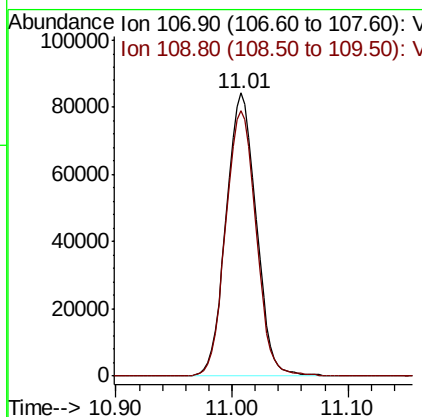
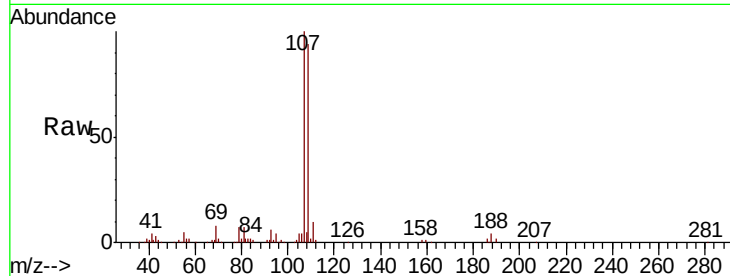




#61
 1,2-Dibromoethane
 Concen: 20.43 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

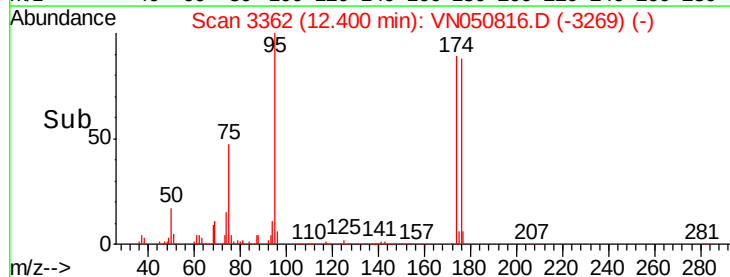
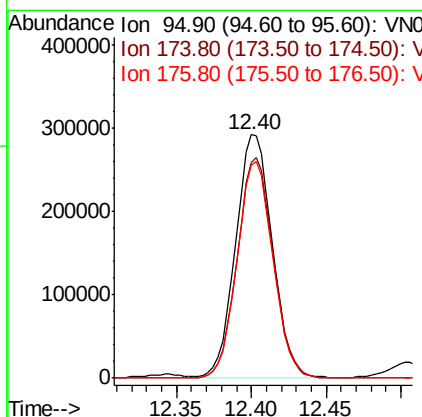
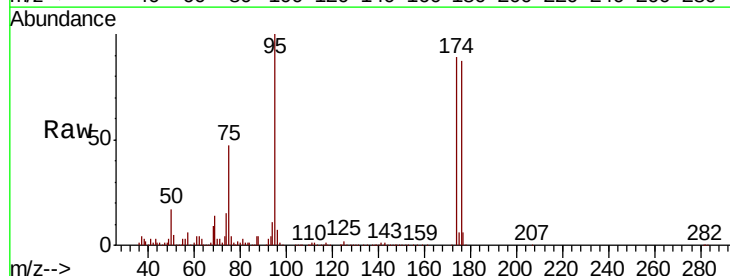
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

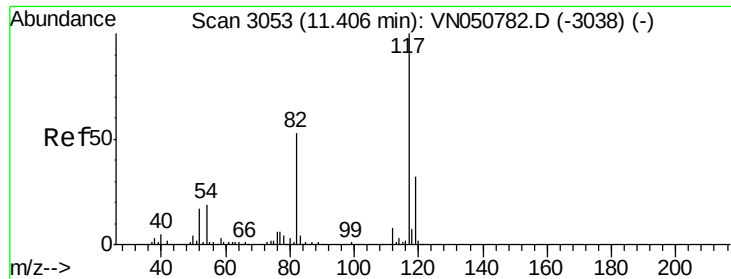
Tot Ion: 107 Resp: 151218
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.05 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 95 Resp: 493577
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 183.0
 176 87.8 0.0 178.8

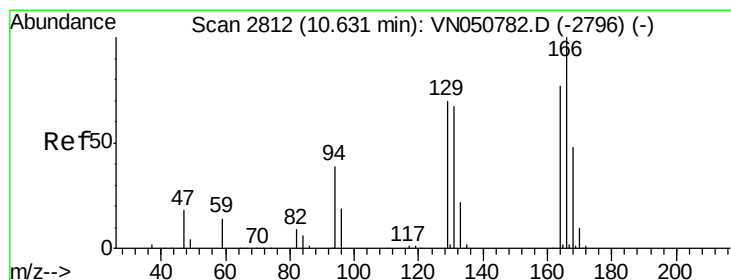
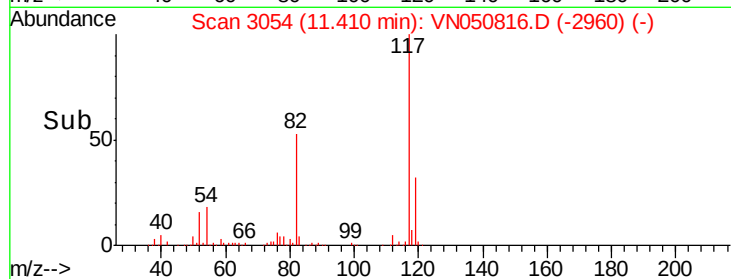
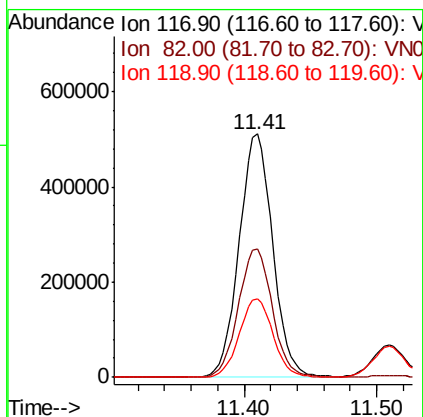
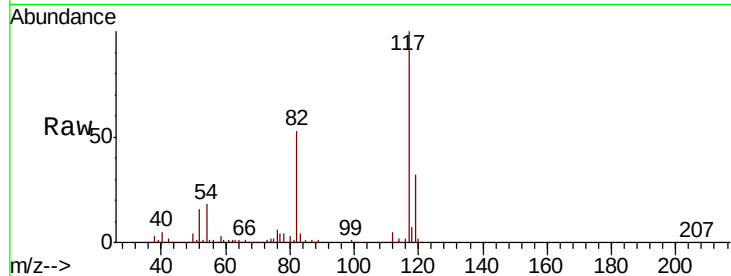




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

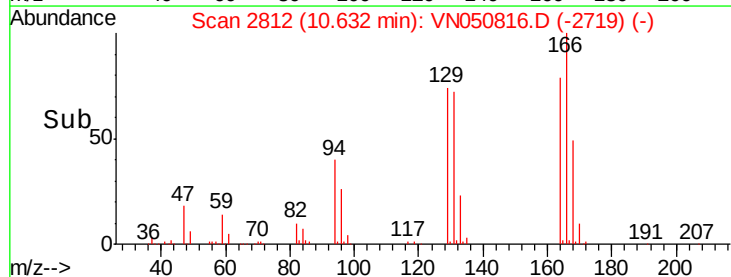
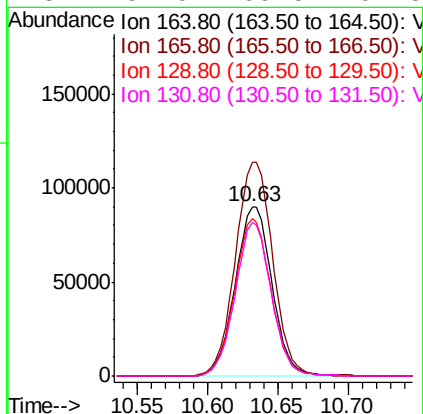
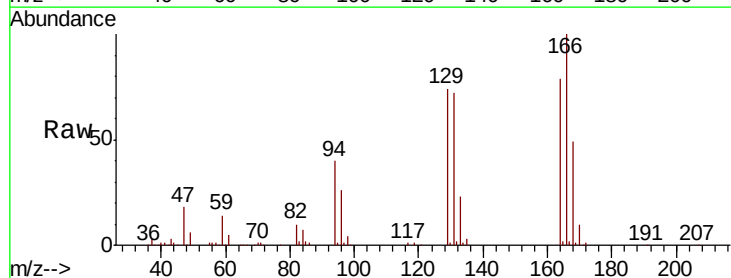
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

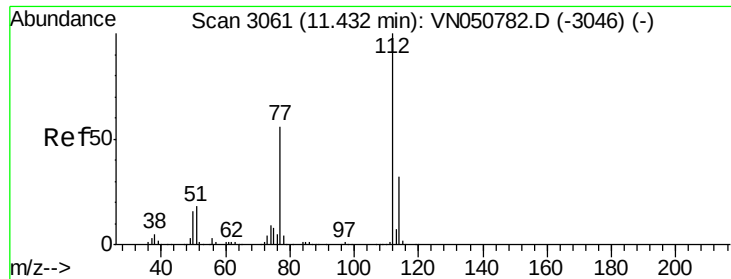
Tot Ion:117 Resp: 900378
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 19.24 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion:164 Resp: 164518
Ion Ratio Lower Upper
164 100
166 126.1 103.5 155.3
129 93.3 72.7 109.1
131 91.0 69.5 104.3





#65

Chlorobenzene

Concen: 19.70 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

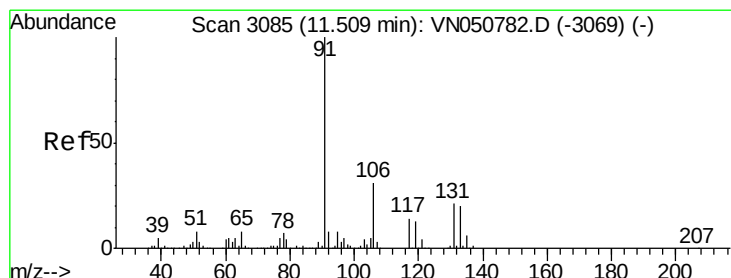
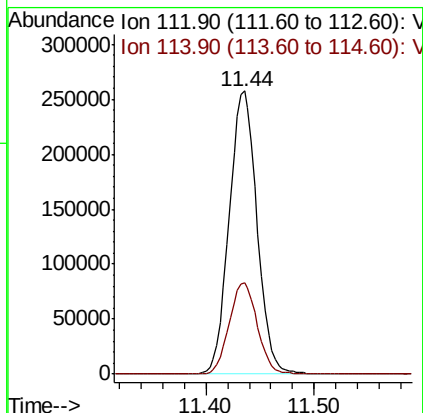
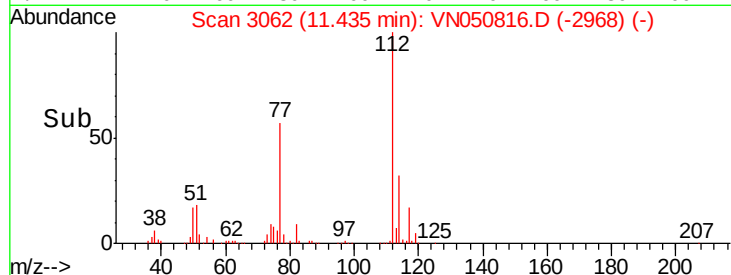
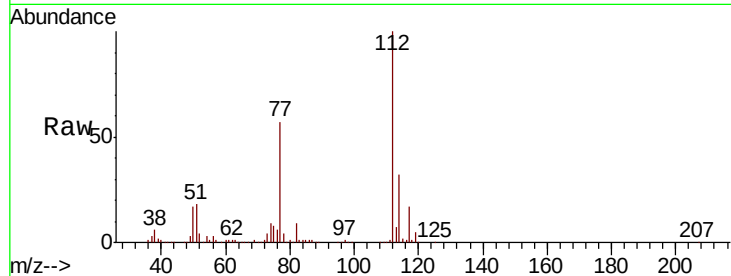
VN0822WBSD01

Tot Ion:112 Resp: 463698

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 19.96 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

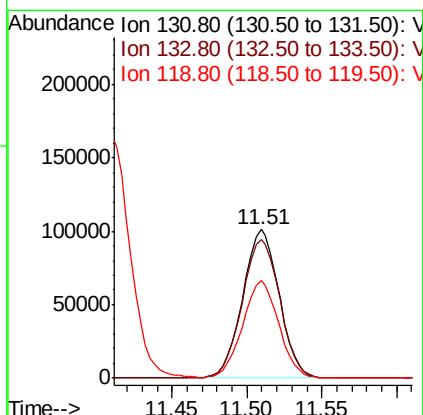
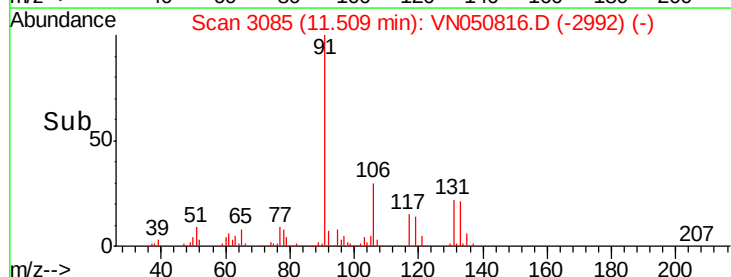
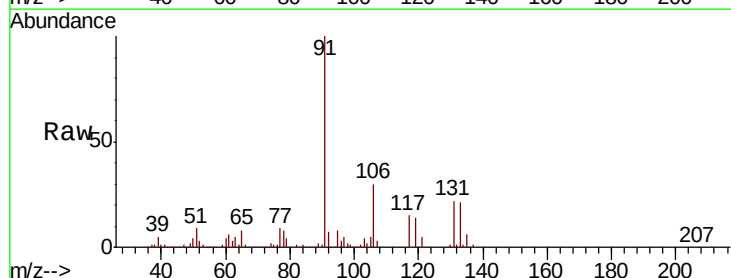
Tgt Ion:131 Resp: 171895

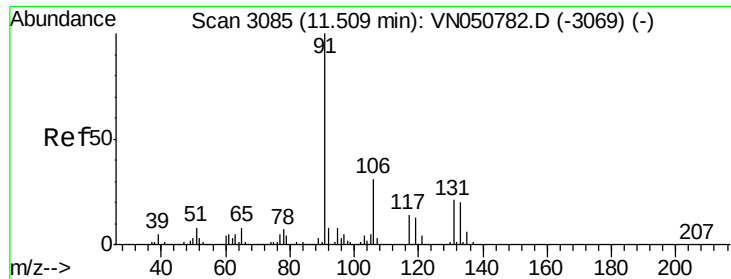
Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.3

119 64.8 32.8 98.4





#67

Ethyl Benzene

Concen: 20.36 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

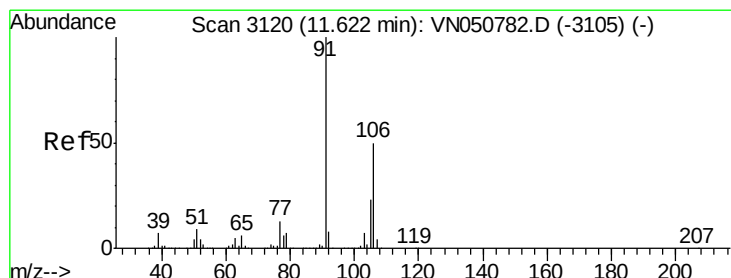
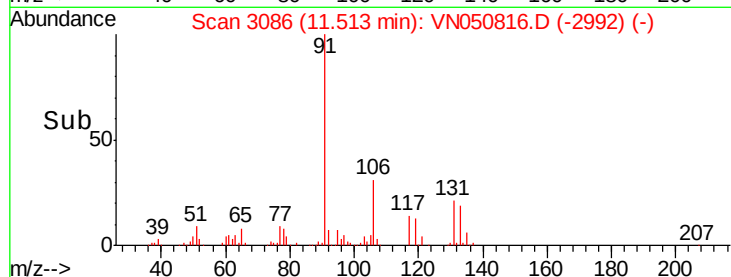
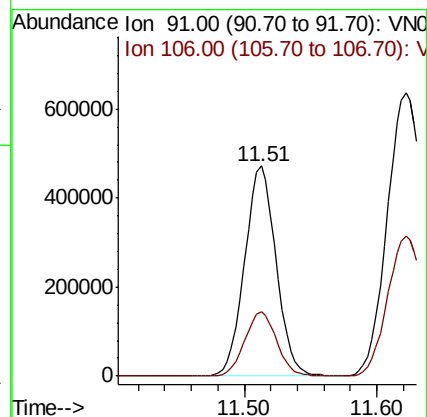
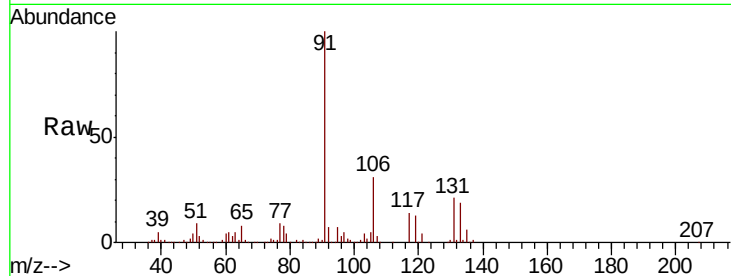
VN0822WBSD01

Tot Ion: 91 Resp: 778830

Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.4



#68

m/p-Xylenes

Concen: 41.75 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050816.D

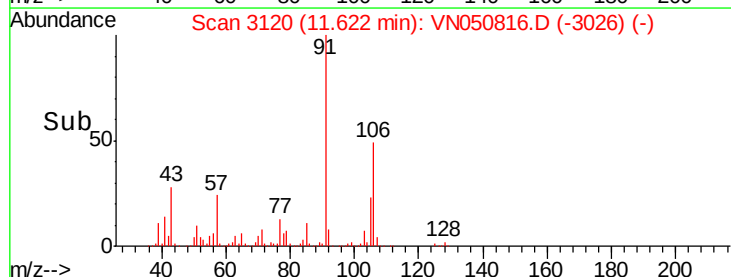
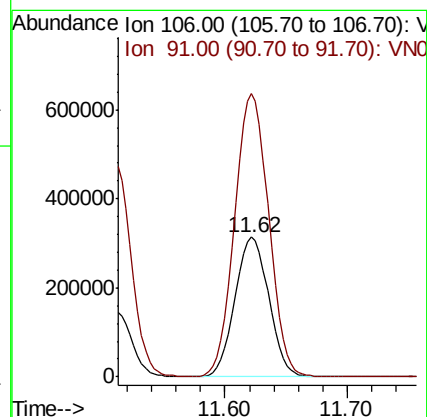
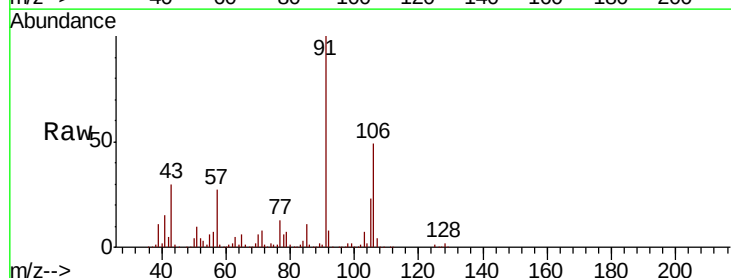
Acq: 22 Aug 2018 13:48

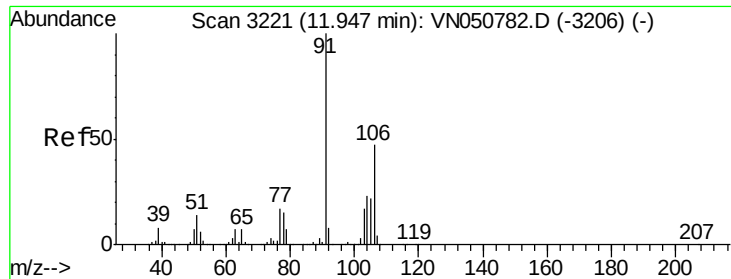
Tgt Ion: 106 Resp: 606306

Ion Ratio Lower Upper

106 100

91 203.6 161.0 241.6

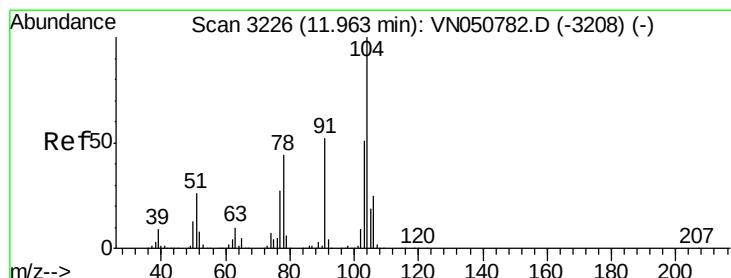
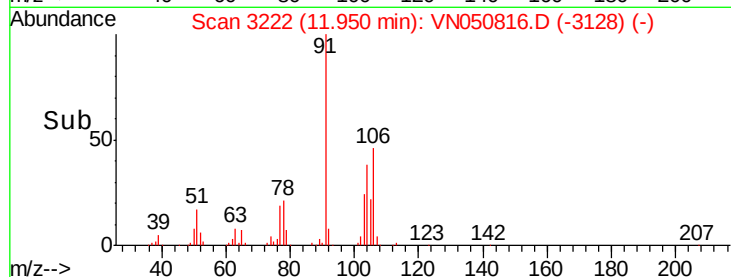
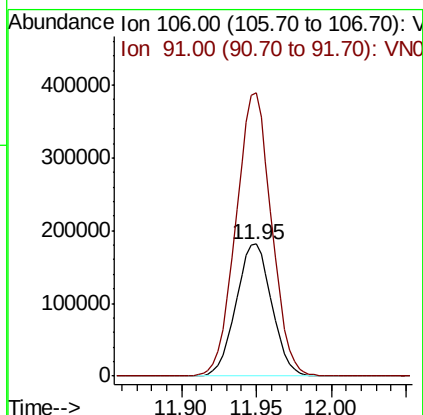
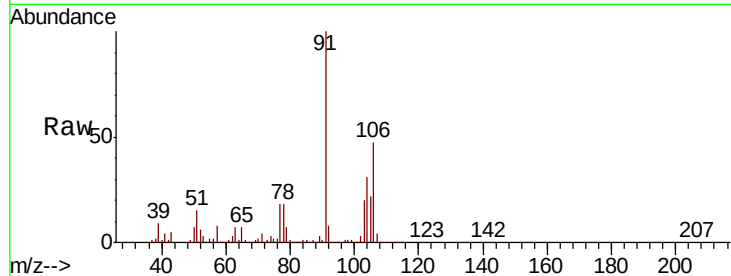




#69
o-Xylene
Concen: 21.65 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

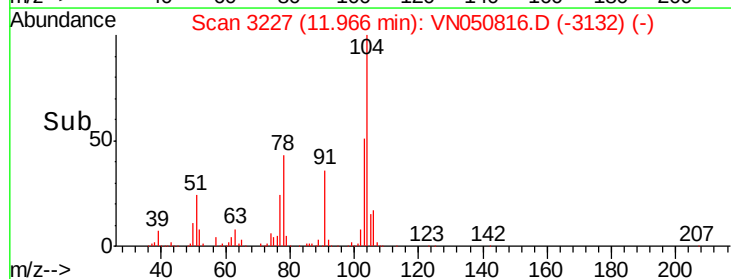
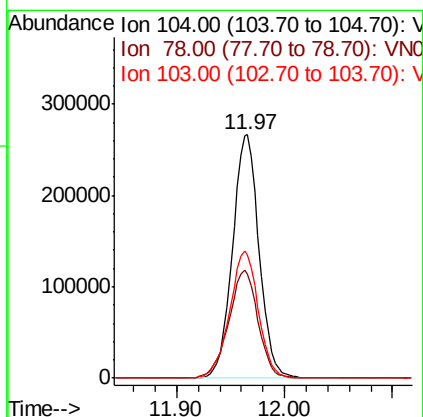
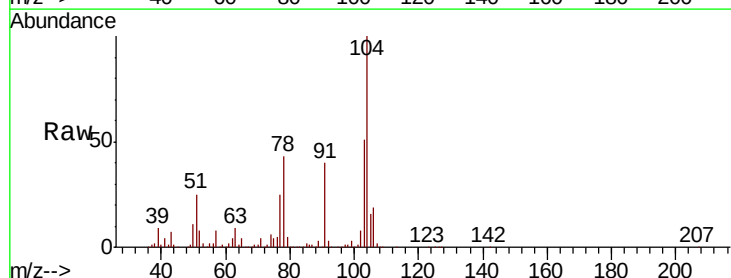
Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

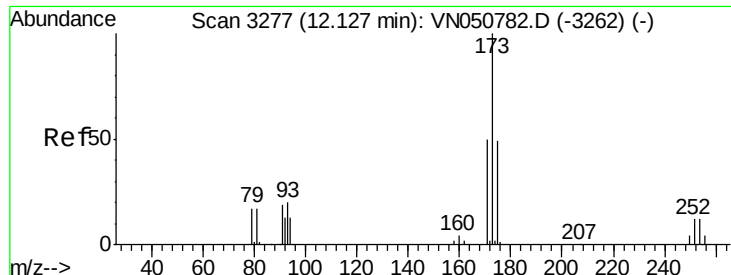
Tot Ion:106 Resp: 302210
Ion Ratio Lower Upper
106 100
91 212.7 106.5 319.5



#70
Styrene
Concen: 19.38 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion:104 Resp: 457235
Ion Ratio Lower Upper
104 100
78 49.0 38.2 57.4
103 56.4 44.4 66.6





#71

Bromoform

Concen: 19.54 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

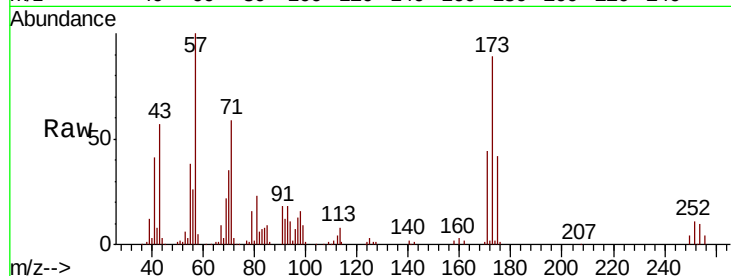
Tot Ion:173 Resp: 115724

Ion Ratio Lower Upper

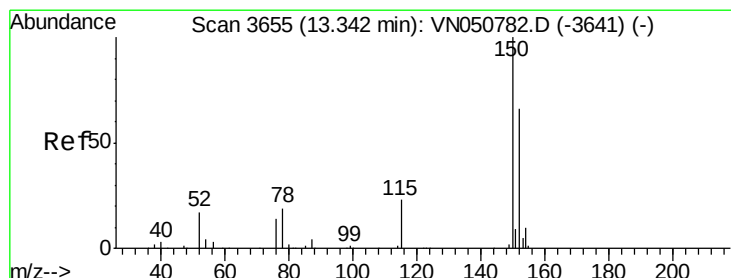
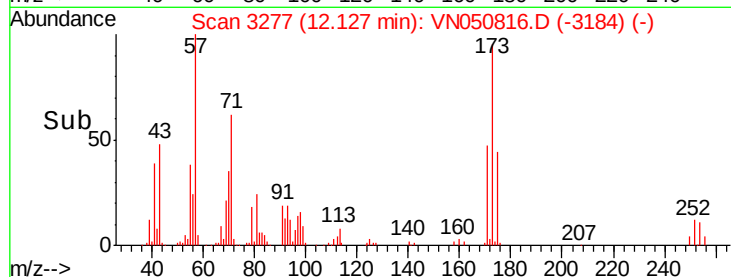
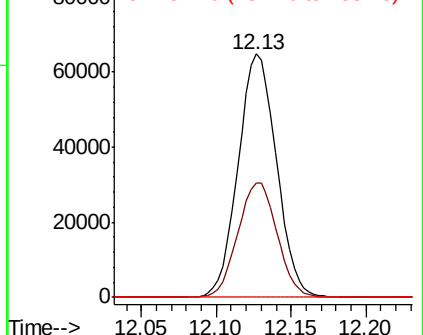
173 100

175 48.2 24.4 73.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

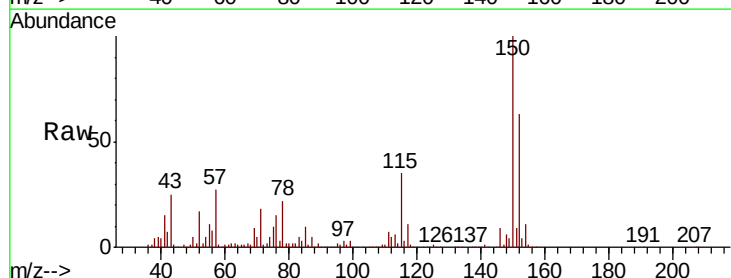
Tgt Ion:152 Resp: 423829

Ion Ratio Lower Upper

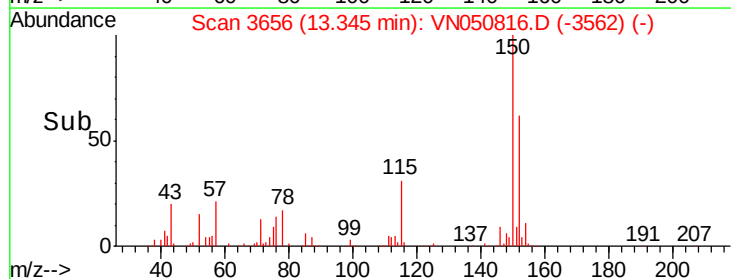
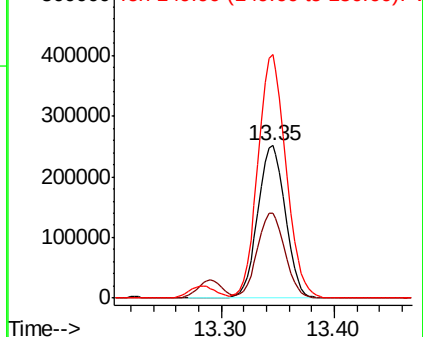
152 100

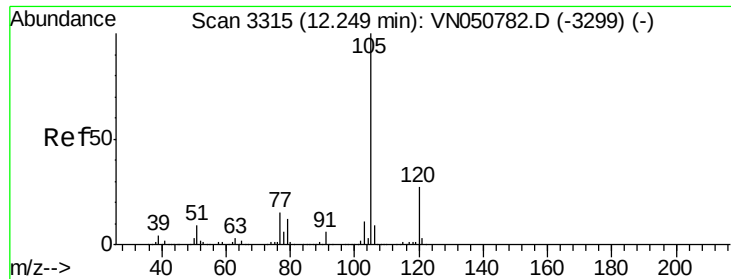
115 55.9 27.8 83.4

150 163.6 0.0 351.4



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

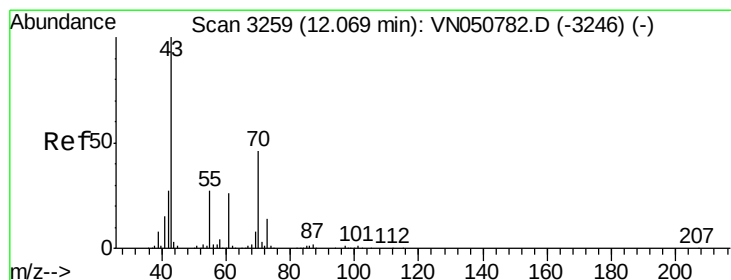
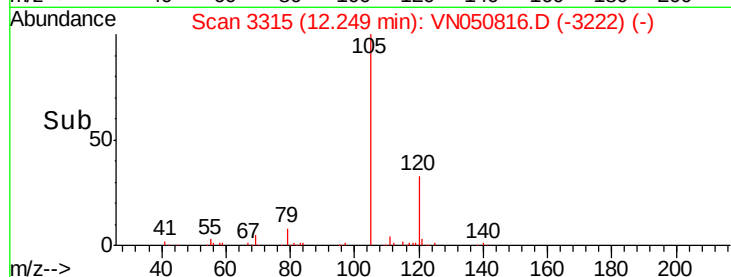
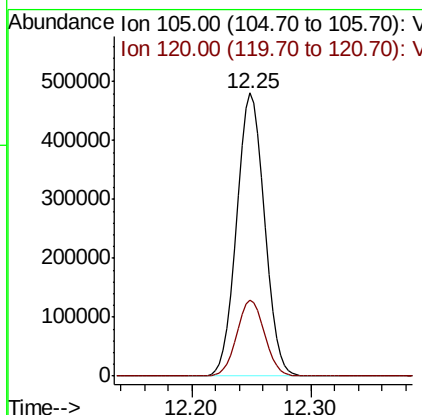
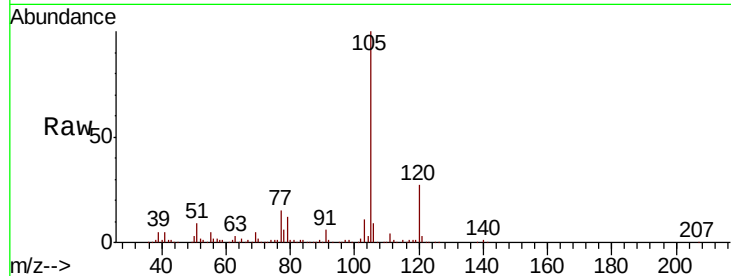




#73
Isopropylbenzene
Concen: 22.21 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

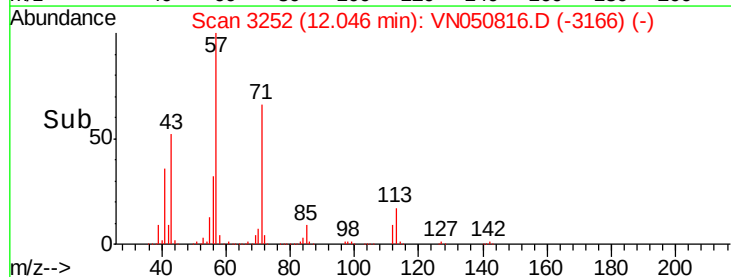
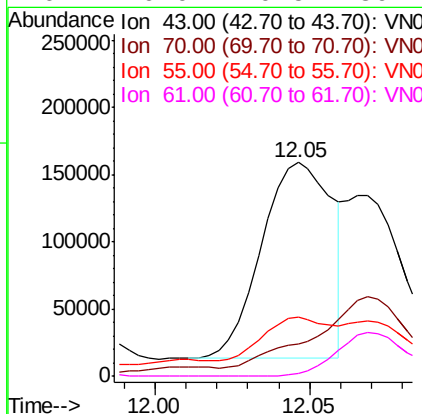
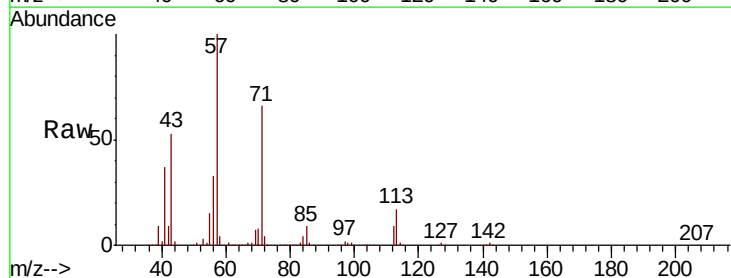
Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

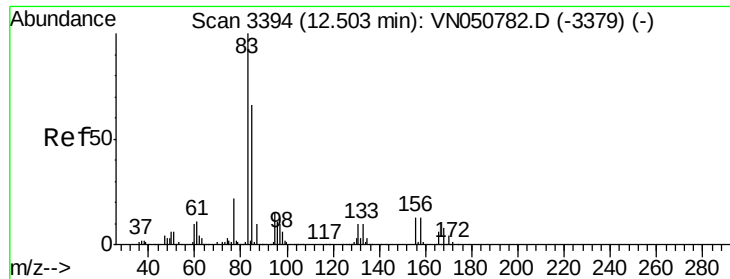
Tot Ion:105 Resp: 779359
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#74
N-ethyl acetate
Concen: 26.29 ug/l
RT: 12.05 min Scan# 3252
Delta R.T. -0.02 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 43 Resp: 231827
Ion Ratio Lower Upper
43 100
70 0.0 36.2 54.2#
55 21.3 21.8 32.8#
61 0.0 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.70 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

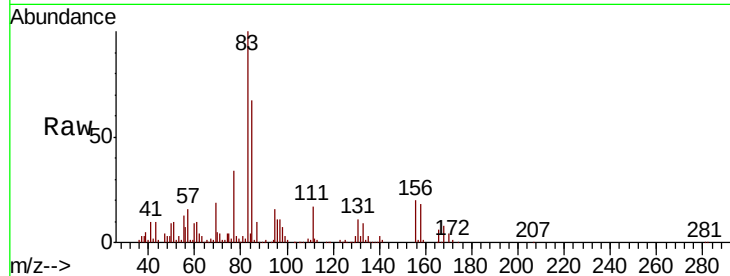
Tot Ion: 83 Resp: 181228

Ion Ratio Lower Upper

83 100

131 11.3 5.3 15.9

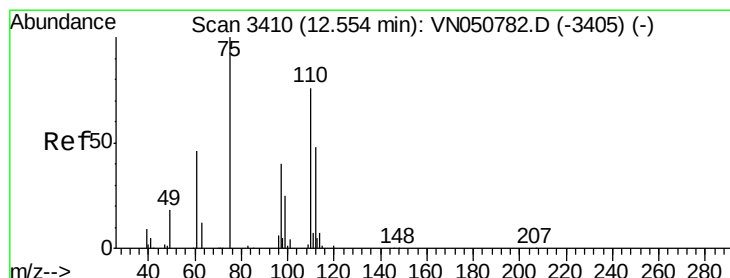
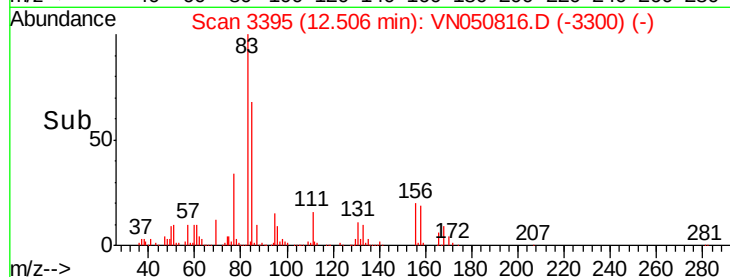
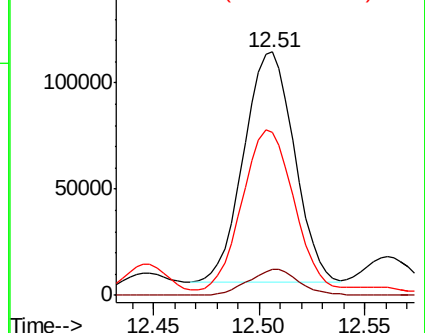
85 70.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.70 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050816.D

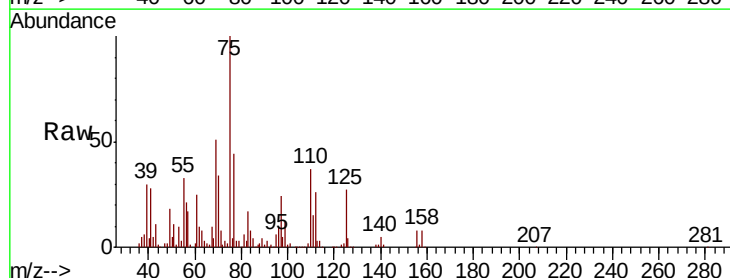
Acq: 22 Aug 2018 13:48

Tgt Ion: 75 Resp: 220448

Ion Ratio Lower Upper

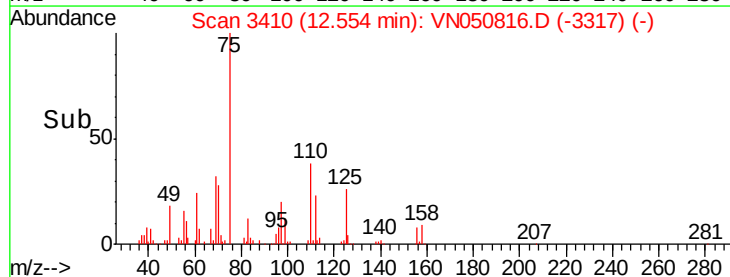
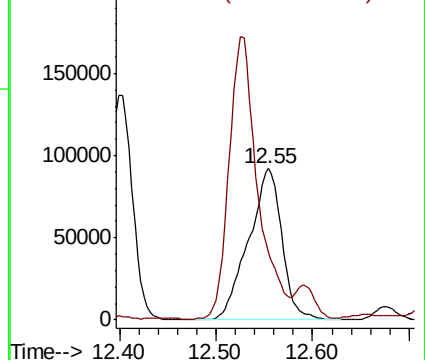
75 100

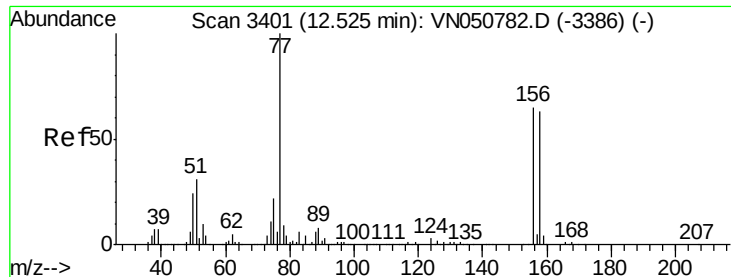
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.71 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

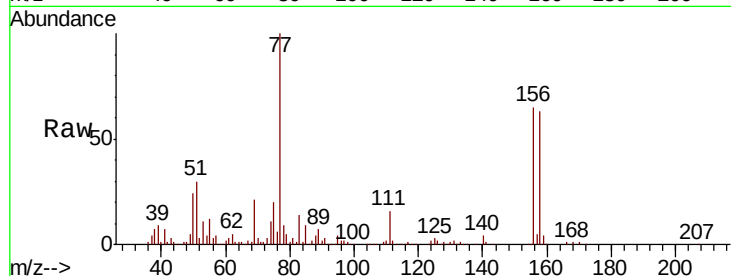
Tot Ion:156 Resp: 197564

Ion Ratio Lower Upper

156 100

77 179.1 89.9 269.7

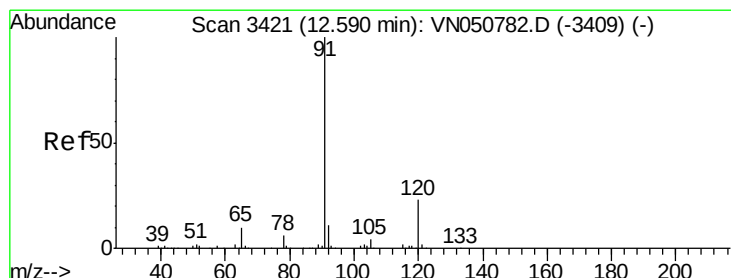
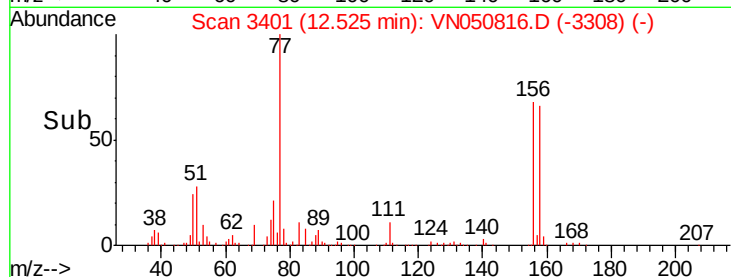
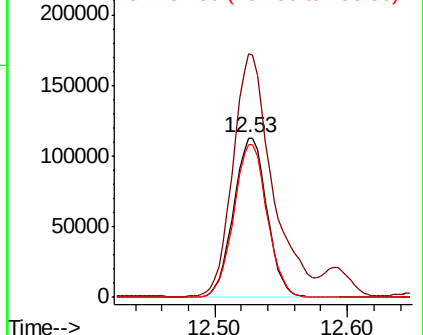
158 95.7 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.72 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050816.D

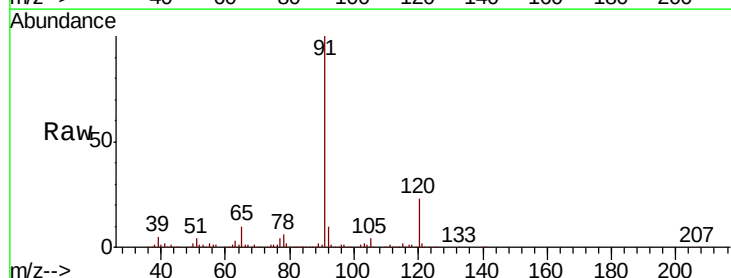
Acq: 22 Aug 2018 13:48

Tgt Ion: 91 Resp: 851633

Ion Ratio Lower Upper

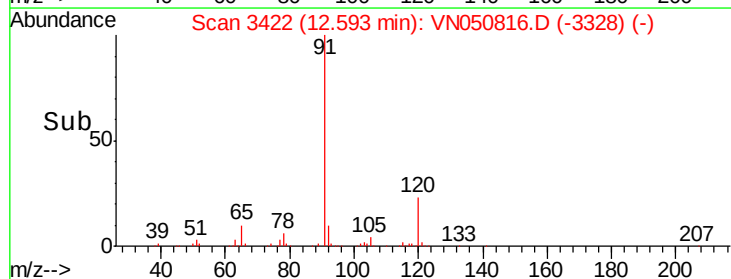
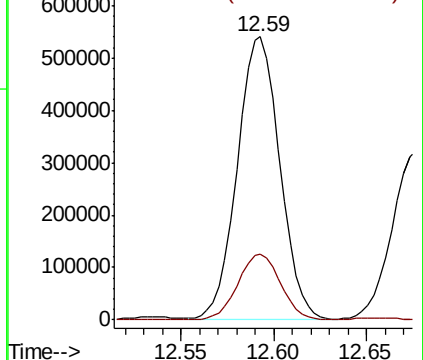
91 100

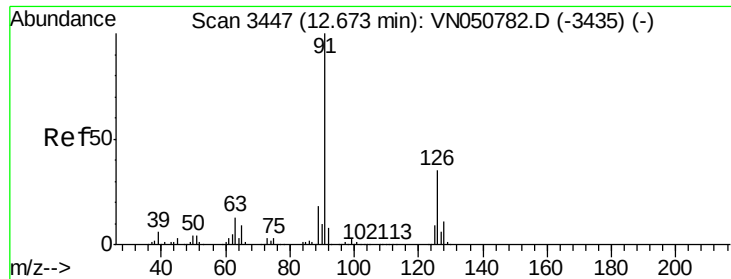
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

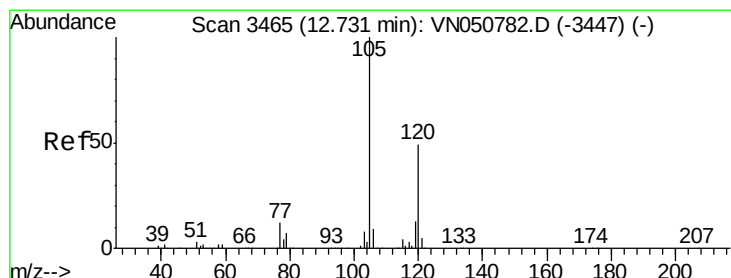
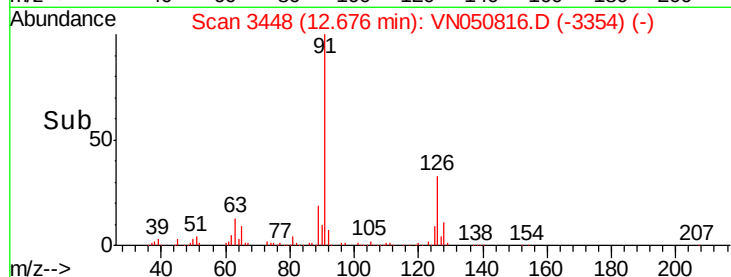
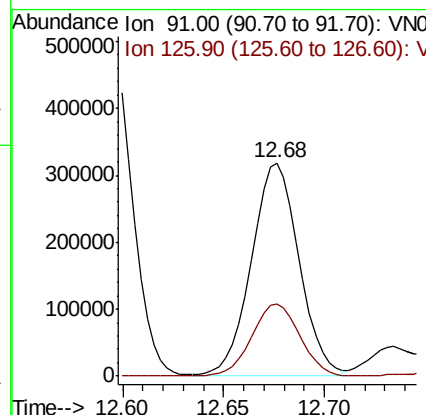
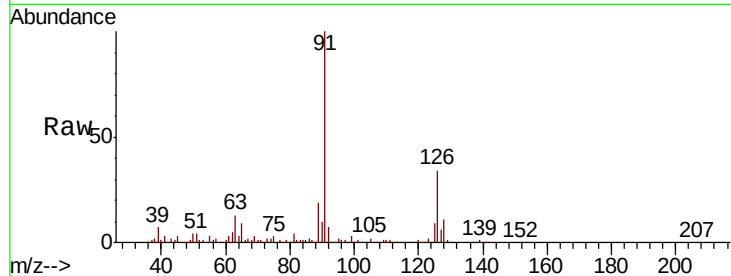




#79
 2-Chlorotoluene
 Concen: 21.31 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

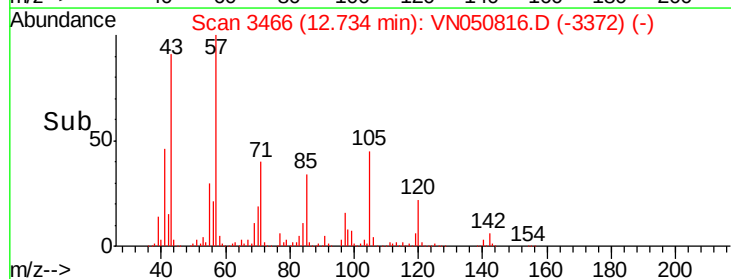
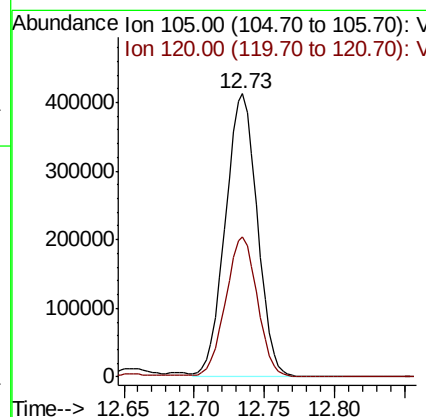
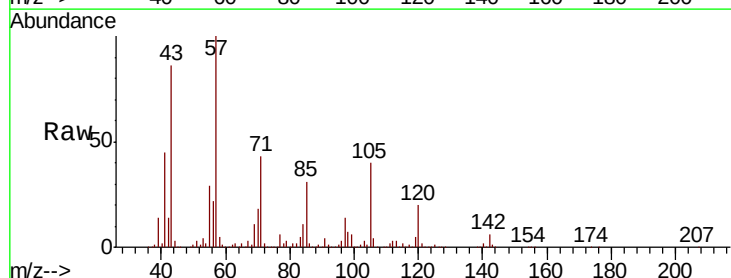
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

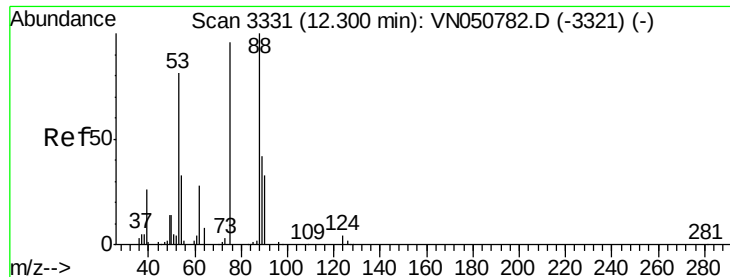
Tot Ion: 91 Resp: 520272
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.96 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 105 Resp: 650070
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.21 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

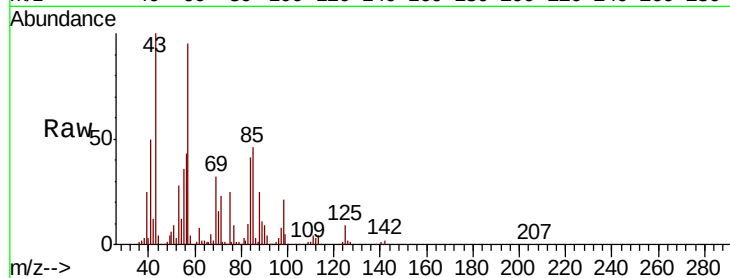
Tot Ion: 75 Resp: 44387

Ion Ratio Lower Upper

75 100

53 107.9 68.9 103.3#

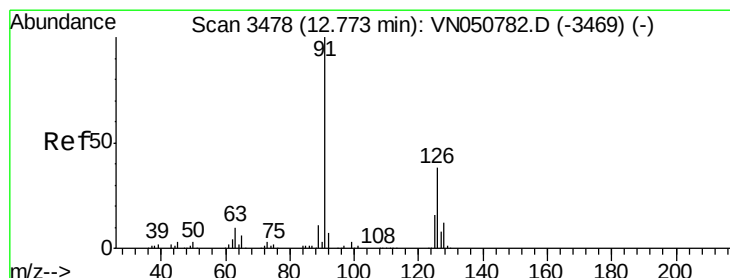
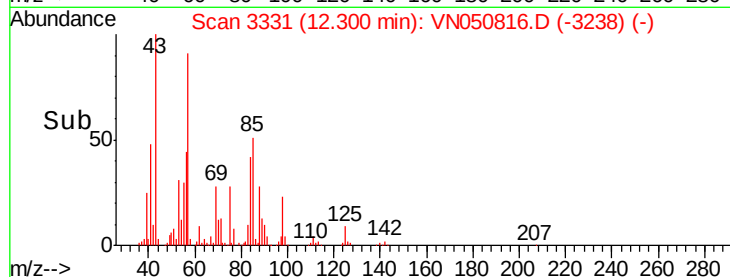
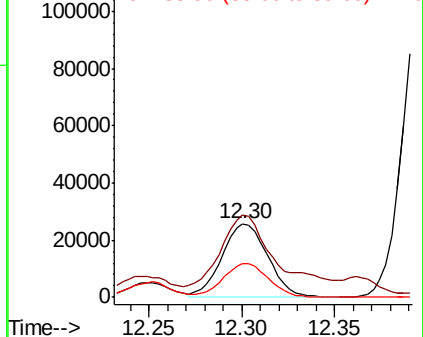
89 46.3 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.97 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050816.D

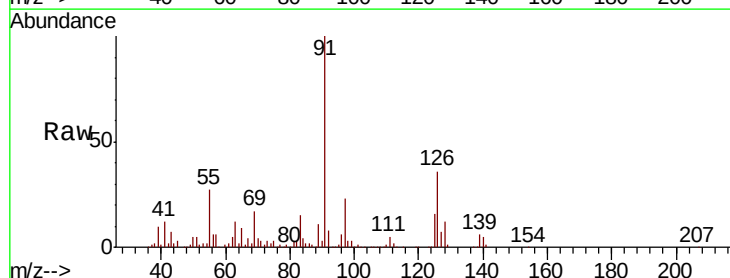
Acq: 22 Aug 2018 13:48

Tgt Ion: 91 Resp: 505499

Ion Ratio Lower Upper

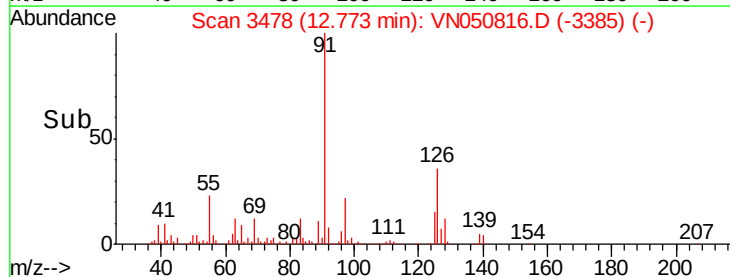
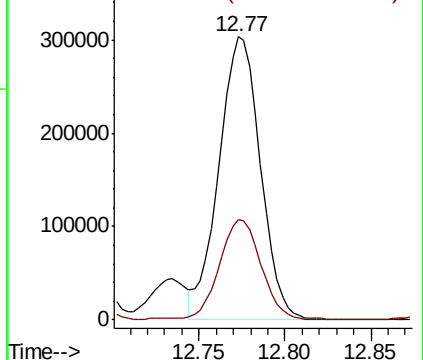
91 100

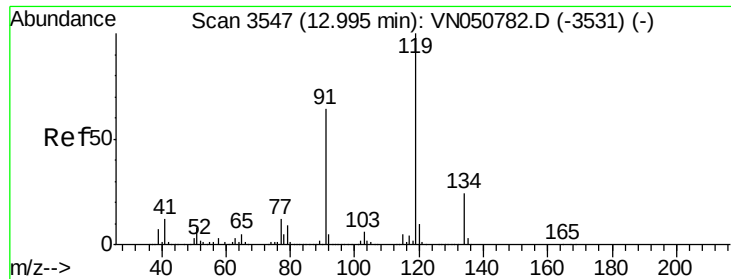
126 35.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

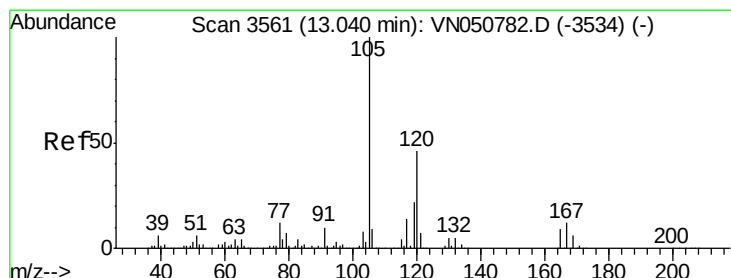
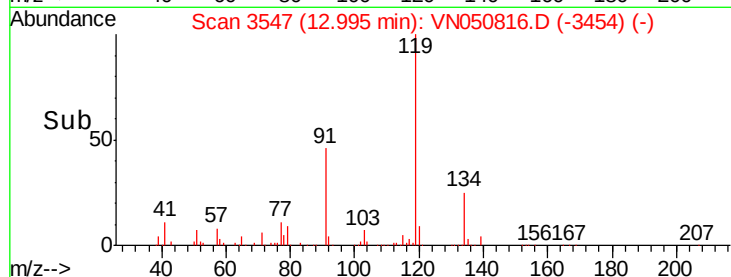
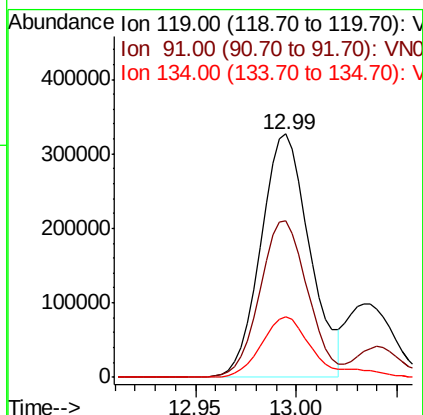
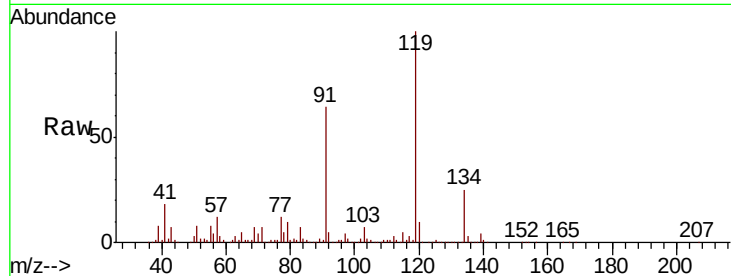




#83
 tert-Butylbenzene
 Concen: 22.47 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

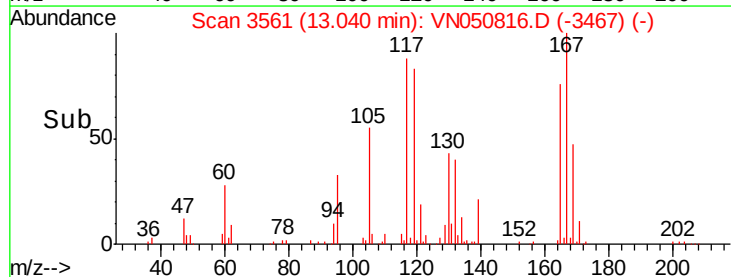
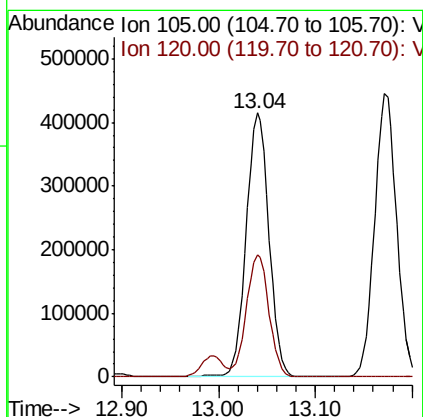
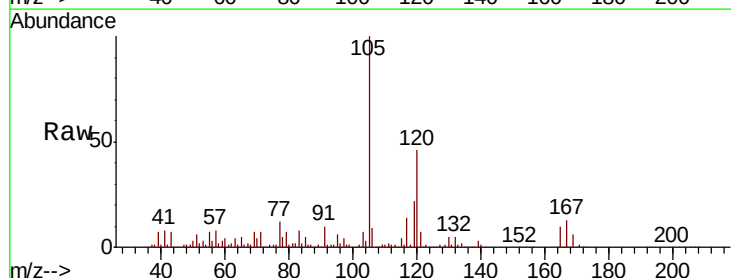
Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBSD01

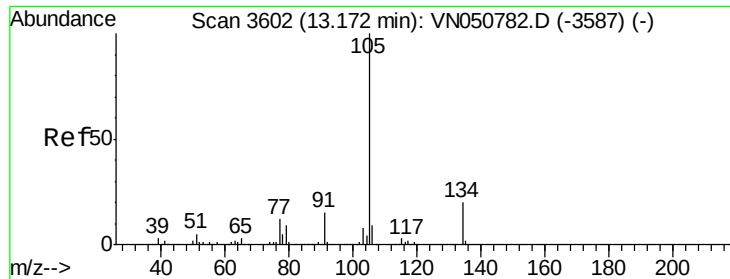
Tot Ion:119 Resp: 551138
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.6 94.7
 134 26.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.62 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion:105 Resp: 672828
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 21.80 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

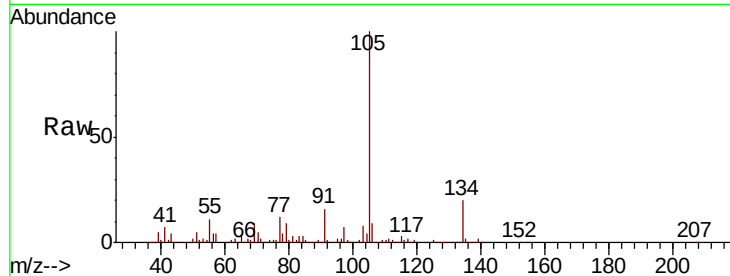
VN0822WBSD01

Tot Ion:105 Resp: 700601

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

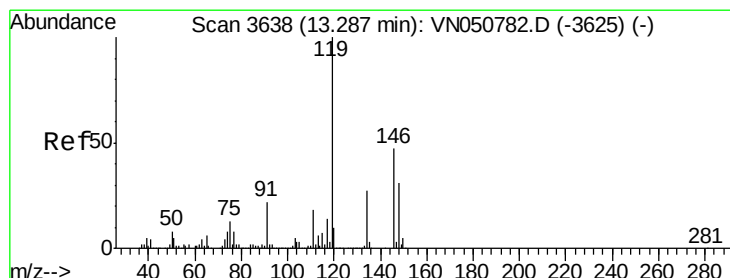
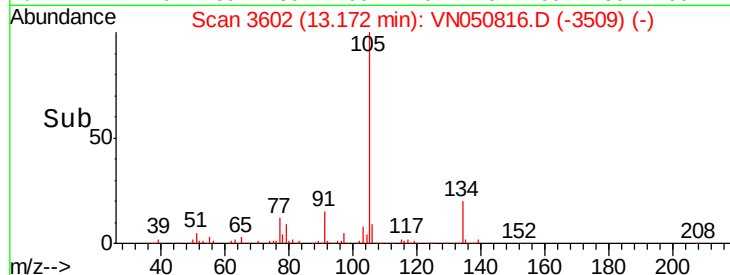
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.14 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

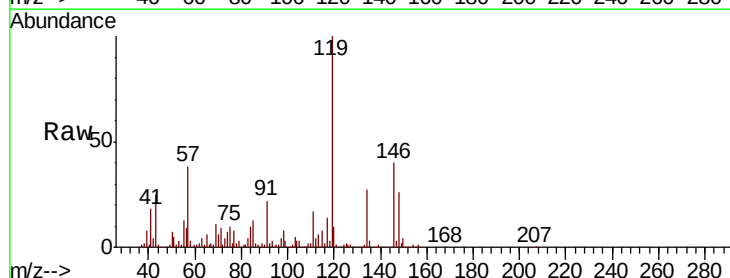
Tgt Ion:119 Resp: 606296

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 22.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

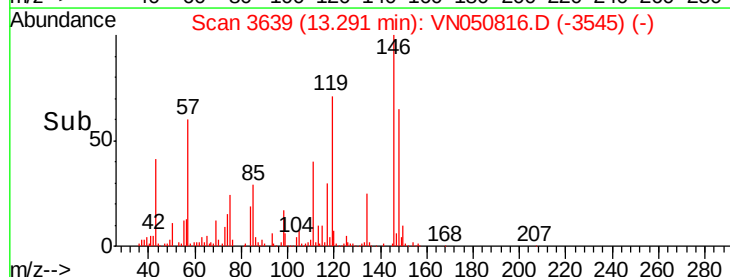
300000

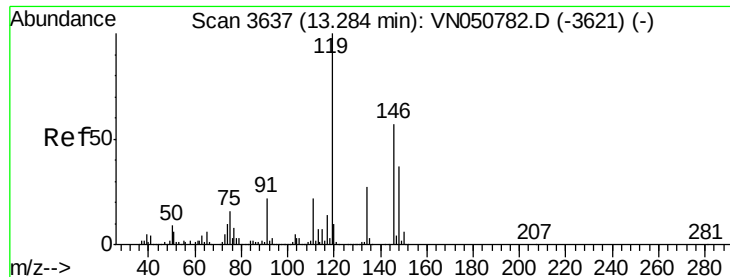
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.95 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

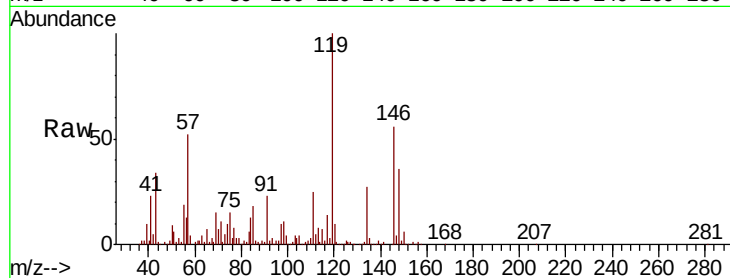
Tot Ion:146 Resp: 322979

Ion Ratio Lower Upper

146 100

111 45.2 19.1 57.3

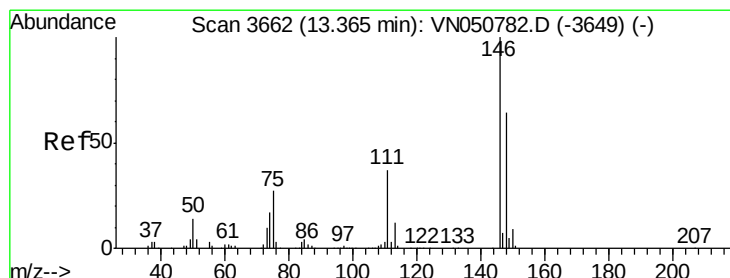
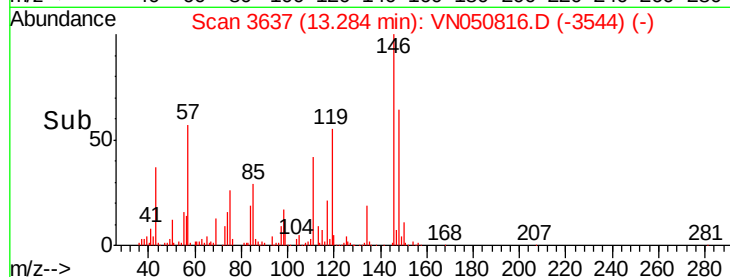
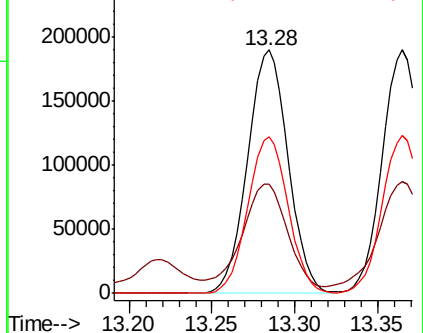
148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.54 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

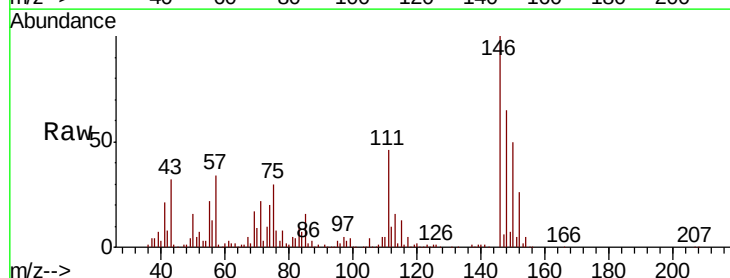
Tgt Ion:146 Resp: 311306

Ion Ratio Lower Upper

146 100

111 46.9 18.8 56.3

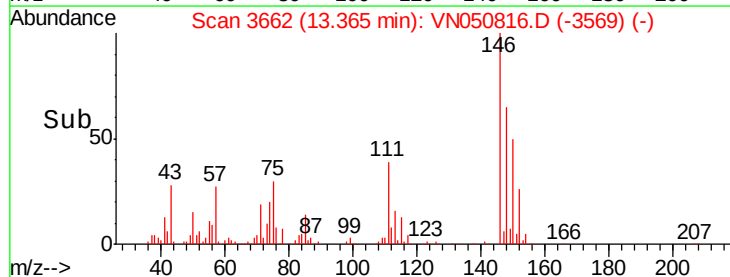
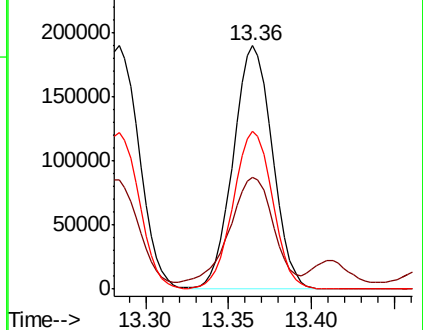
148 65.3 32.2 96.6

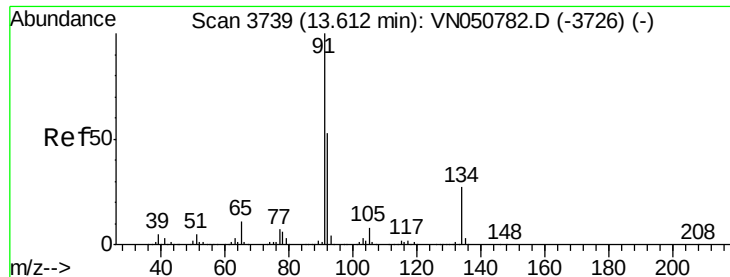


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.46 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

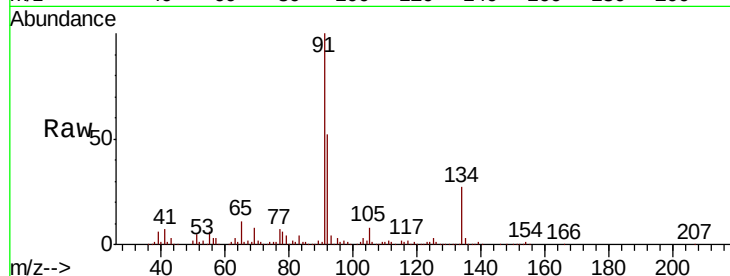
Tot Ion: 91 Resp: 470058

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.2

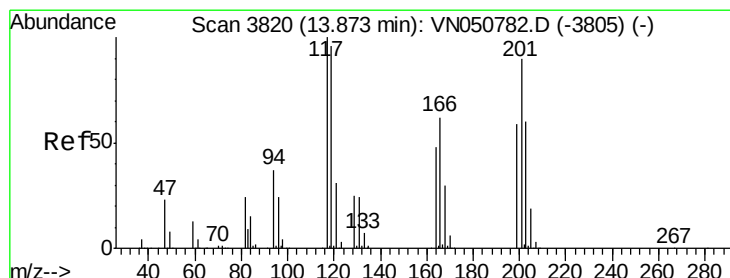
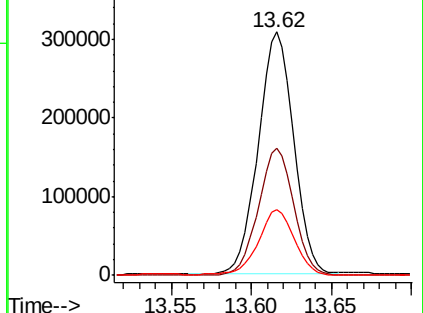
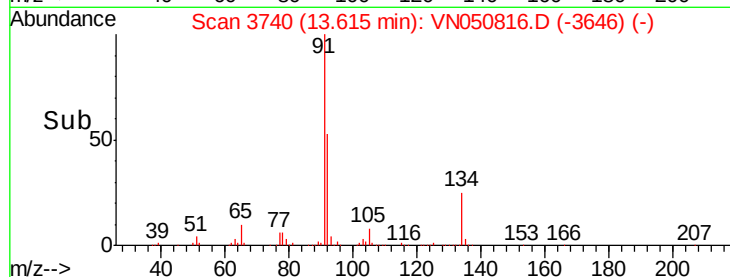
134 27.7 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)



#90

Hexachloroethane

Concen: 20.13 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050816.D

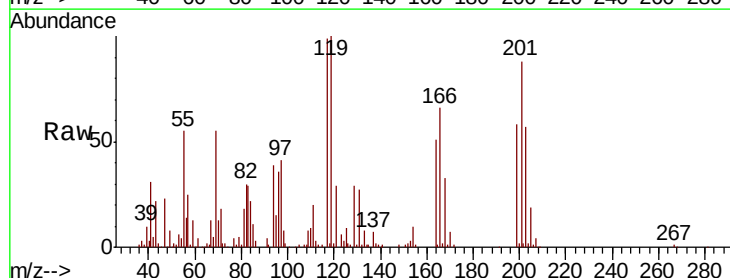
Acq: 22 Aug 2018 13:48

Tgt Ion: 117 Resp: 104470

Ion Ratio Lower Upper

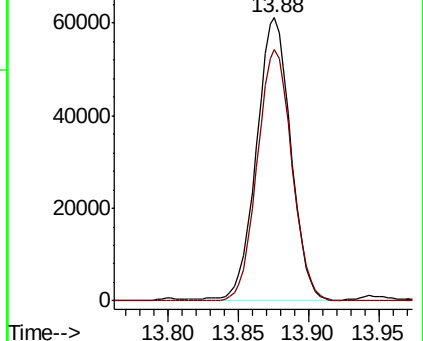
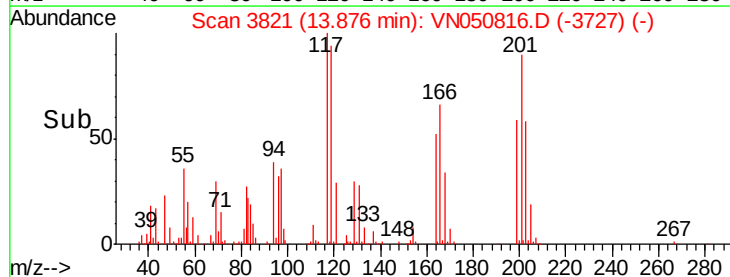
117 100

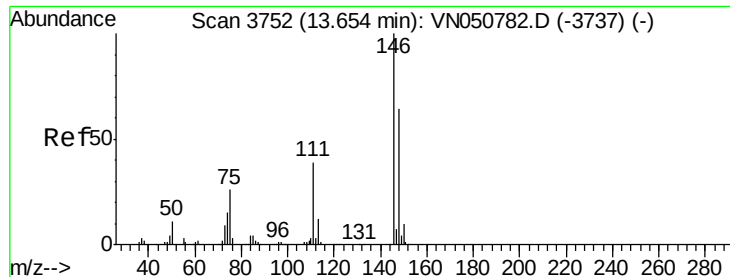
201 88.7 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)





#91

1,2-Dichlorobenzene

Concen: 20.32 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

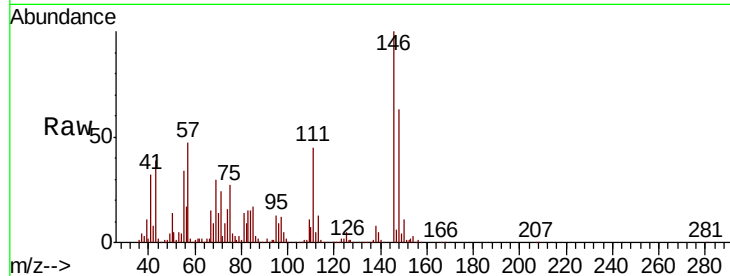
Tot Ion:146 Resp: 317275

Ion Ratio Lower Upper

146 100

111 52.2 19.8 59.3

148 63.8 32.3 96.8

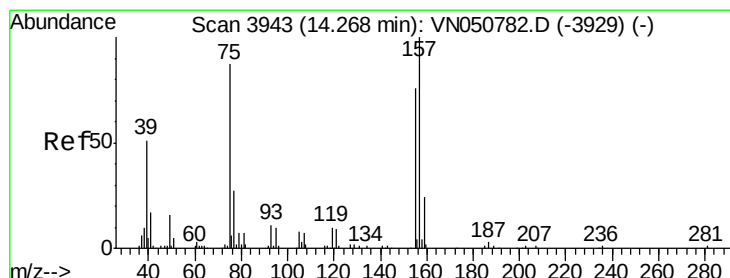
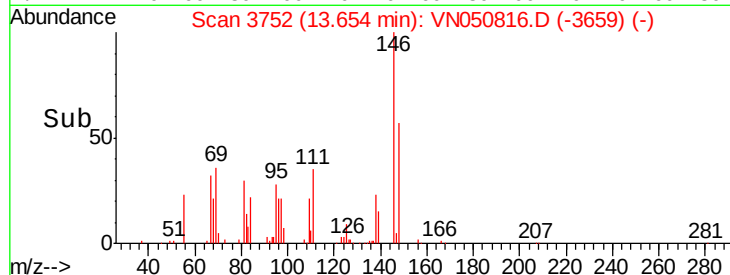
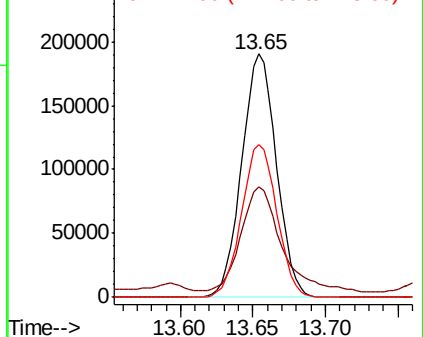


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.86 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

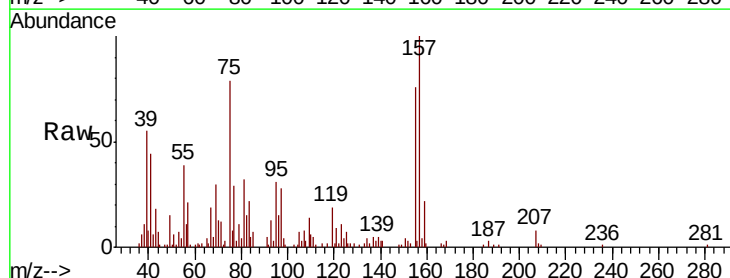
Tgt Ion: 75 Resp: 26289

Ion Ratio Lower Upper

75 100

155 97.7 46.4 139.1

157 122.5 60.7 182.0

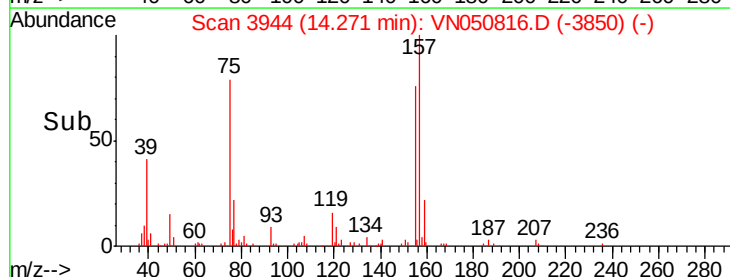
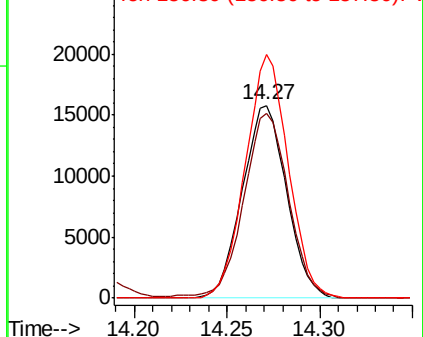


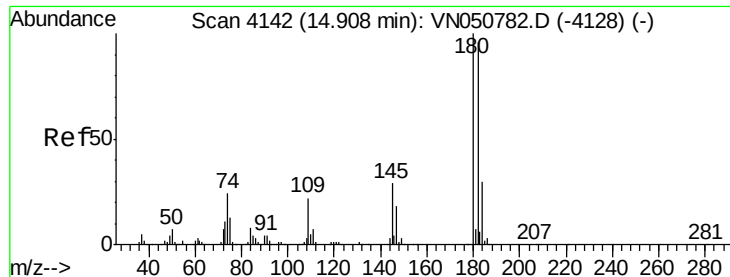
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

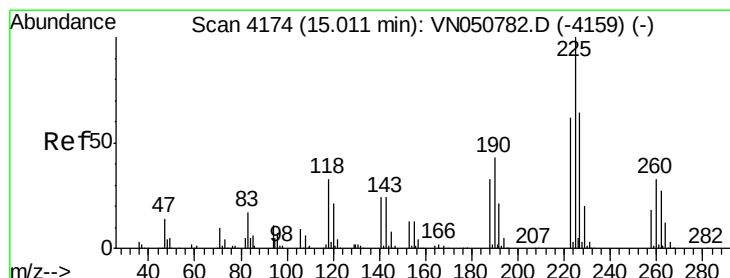
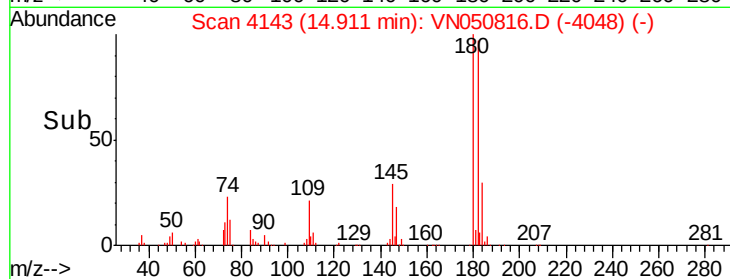
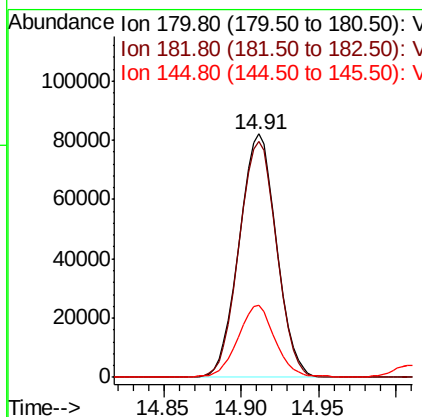
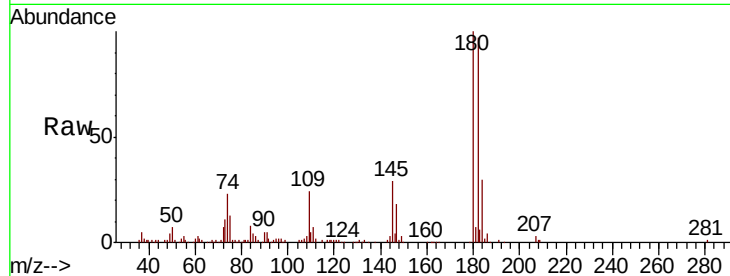




#93
 1,2,4-Trichlorobenzene
 Concen: 19.68 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

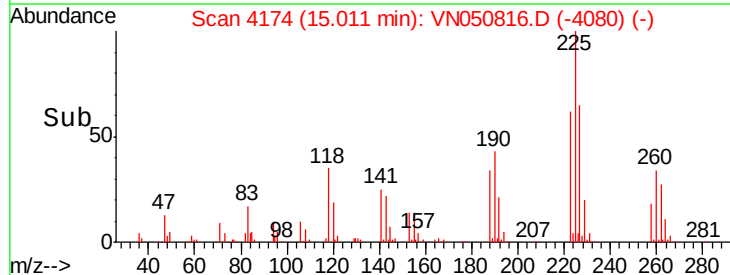
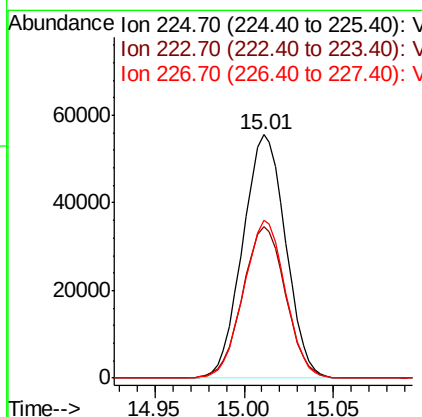
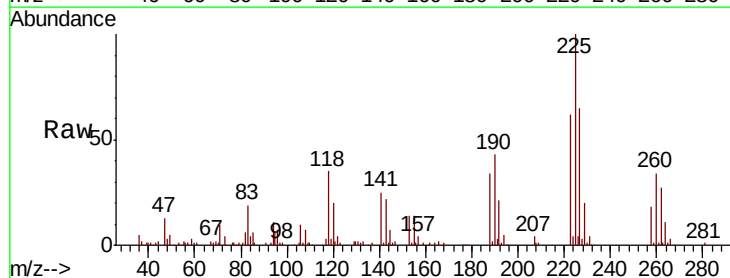
Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBSD01

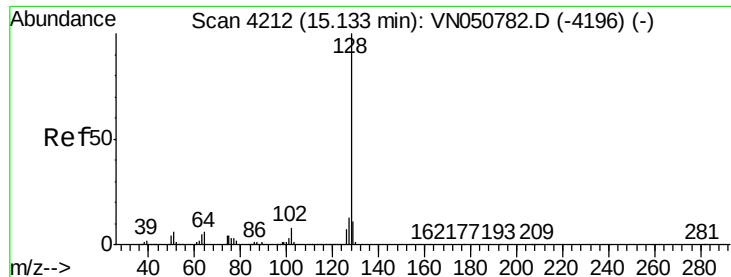
Tot Ion:180 Resp: 137934
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.2 144.6
 145 29.8 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 19.50 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion:225 Resp: 93427
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.3 93.8
 227 63.2 32.0 96.2

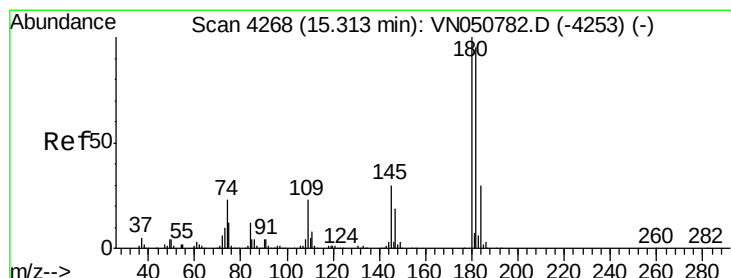
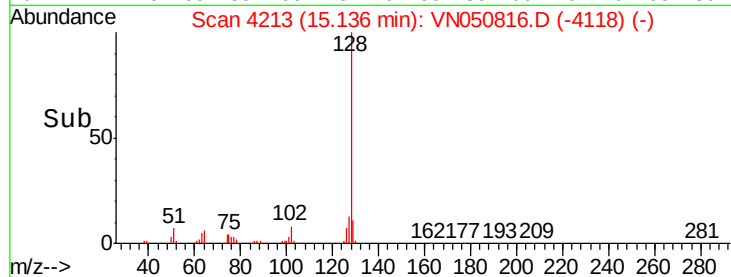
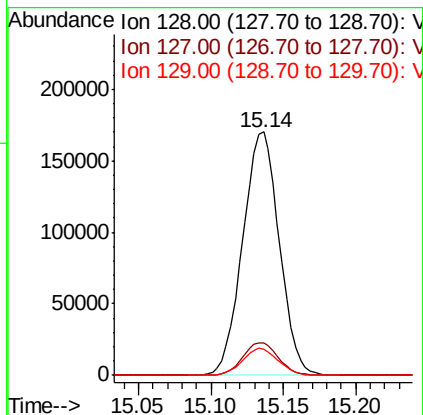
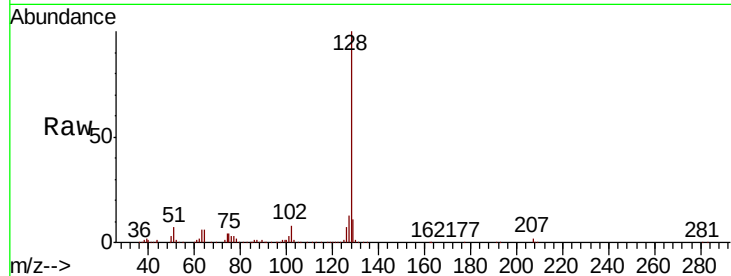




#95
Naphthalene
Concen: 21.15 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion:128 Resp: 299070
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.59 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion:180 Resp: 140950
Ion Ratio Lower Upper
180 100
182 94.4 48.0 144.2
145 30.2 15.2 45.6

