

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050813.D
 Acq On : 22 Aug 2018 12:34
 Operator : MD\SY
 Sample : VN0822WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Quant Time: Aug 23 01:02:17 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	622934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	894376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	808729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	384924	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	385896	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
35) Dibromofluoromethane	7.59	113	363006	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
50) Toluene-d8	10.09	98	1367600	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	428373	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	187466	22.49	ug/l	100
3) Chloromethane	2.06	50	203914	19.83	ug/l	99
4) Vinyl Chloride	2.18	62	201008	20.64	ug/l	99
5) Bromomethane	2.56	94	113449	19.85	ug/l	98
6) Chloroethane	2.70	64	114344	20.32	ug/l	99
7) Trichlorofluoromethane	3.01	101	257282	20.63	ug/l	98
8) Diethyl Ether	3.41	74	85468	20.15	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160649	20.62	ug/l	99
10) Methyl Iodide	3.95	142	111992	20.64	ug/l	98
11) Tert butyl alcohol	4.80	59	50704	106.18	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	143228	20.47	ug/l	98
13) Acrolein	3.61	56	26089	104.77	ug/l	99
14) Allyl chloride	4.32	41	215297	19.75	ug/l	97
15) Acrylonitrile	4.99	53	260857	107.49	ug/l	97
16) Acetone	3.82	43	181656	98.00	ug/l	99
17) Carbon Disulfide	4.05	76	447271	19.07	ug/l	99
18) Methyl Acetate	4.33	43	144262	20.37	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	369886	21.02	ug/l	99
20) Methylene Chloride	4.55	84	165361	19.56	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	152039	20.09	ug/l	99
22) Diisopropyl ether	5.95	45	468375	21.56	ug/l	95
23) Vinyl Acetate	5.90	43	1478999	105.70	ug/l	99
24) 1,1-Dichloroethane	5.85	63	283354	20.31	ug/l	99
25) 2-Butanone	6.84	43	278336	92.10	ug/l	99
26) 2,2-Dichloropropane	6.83	77	223206	19.91	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	166539	20.41	ug/l	100
28) Bromochloromethane	7.20	49	123301	20.80	ug/l	99
29) Tetrahydrofuran	7.21	42	188737	108.92	ug/l	99
30) Chloroform	7.37	83	283543	20.53	ug/l	99
31) Cyclohexane	7.66	56	245599	19.66	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	240913	20.31	ug/l	100
36) 1,1-Dichloropropene	7.80	75	211168	20.01	ug/l	99
37) Ethyl Acetate	6.93	43	126761	20.91	ug/l	99
38) Carbon Tetrachloride	7.78	117	214971	20.15	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	222158	19.46	ug/l	99
40) Benzene	8.04	78	658002	20.68	ug/l	99
41) Methacrylonitrile	7.18	41	62245	18.97	ug/l	94
42) 1,2-Dichloroethane	8.13	62	198616	20.87	ug/l	100
43) Isopropyl Acetate	8.17	43	225355	21.62	ug/l #	90
44) Trichloroethene	8.84	130	169335	20.17	ug/l	99
45) 1,2-Dichloropropane	9.12	63	172188	20.59	ug/l	100
46) Dibromomethane	9.21	93	101778	20.71	ug/l	99
47) Bromodichloromethane	9.40	83	211599	20.56	ug/l	100
48) Methyl methacrylate	9.20	41	113203	21.31	ug/l	99
49) 1,4-Dioxane	9.20	88	31765	438.62	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	642229	103.24	ug/l	100
52) Toluene	10.16	92	400893	21.26	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	202757	19.79	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	240489	20.50	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144305	20.62	ug/l	98
56) Ethyl methacrylate	10.43	69	164795	19.60	ug/l	98
57) 1,3-Dichloropropane	10.71	76	241029	20.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	359209	98.24	ug/l	99
59) 2-Hexanone	10.75	43	404372	97.65	ug/l	99
60) Dibromochloromethane	10.90	129	161291	20.59	ug/l	100
61) 1,2-Dibromoethane	11.01	107	140951	20.83	ug/l	100
64) Tetrachloroethene	10.63	164	154804	20.15	ug/l	99
65) Chlorobenzene	11.43	112	427198	20.21	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	160364	20.73	ug/l	99
67) Ethyl Benzene	11.51	91	694254	20.20	ug/l	100
68) m/p-Xylenes	11.62	106	547184	41.95	ug/l	99
69) o-Xylene	11.95	106	256830	20.48	ug/l	99
70) Styrene	11.97	104	410401	19.37	ug/l	99
71) Bromoform	12.13	173	110375	20.75	ug/l #	100
73) Isopropylbenzene	12.25	105	681647	21.39	ug/l	100
74) N-amyl acetate	12.07	43	170175	21.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	180226	22.83	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	207436	30.77	ug/l #	100
77) Bromobenzene	12.53	156	176401	20.36	ug/l	99
78) n-propylbenzene	12.59	91	770128	21.63	ug/l	100
79) 2-Chlorotoluene	12.68	91	468828	21.14	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	562883	21.89	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40602	20.36	ug/l	94
82) 4-Chlorotoluene	12.77	91	470155	21.47	ug/l	99
83) tert-Butylbenzene	12.99	119	471049	21.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	570652	22.06	ug/l	100
85) sec-Butylbenzene	13.17	105	626278	21.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	529833	21.31	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297622	20.25	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	285803	19.76	ug/l	99
89) n-Butylbenzene	13.62	91	388482	19.53	ug/l	99
90) Hexachloroethane	13.88	117	98731	20.94	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	291554	20.56	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24215	21.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115989	18.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	88499	20.39	ug/l	98
95) Naphthalene	15.13	128	224148	18.40	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	118209	19.26	ug/l	98

(#) = 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: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

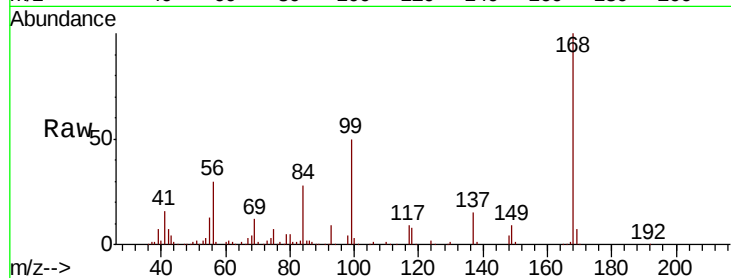
VN0822WBS01

Tot Ion:168 Resp: 622934

Ion Ratio Lower Upper

168 100

99 49.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

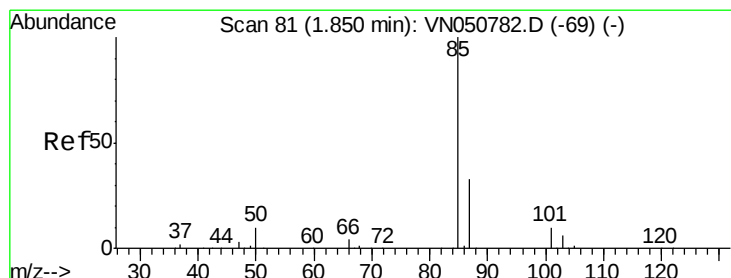
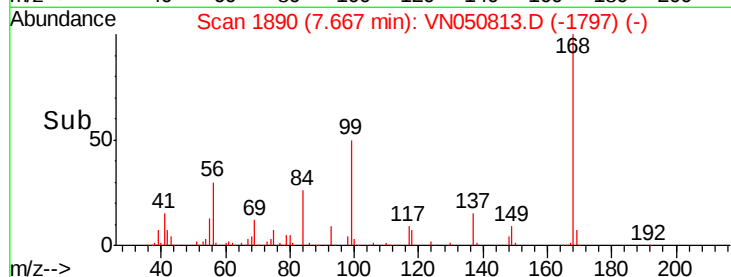
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.49 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050813.D

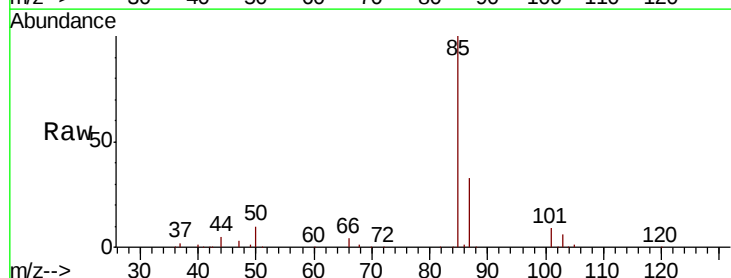
Acq: 22 Aug 2018 12:34

Tgt Ion: 85 Resp: 187466

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

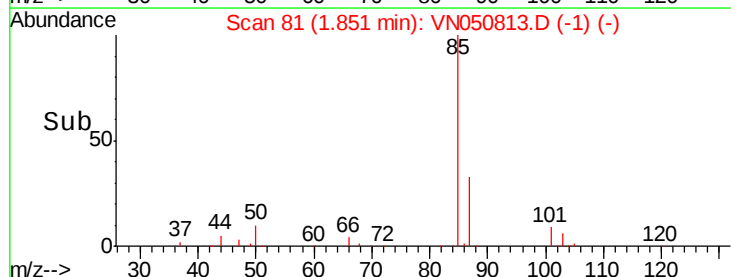
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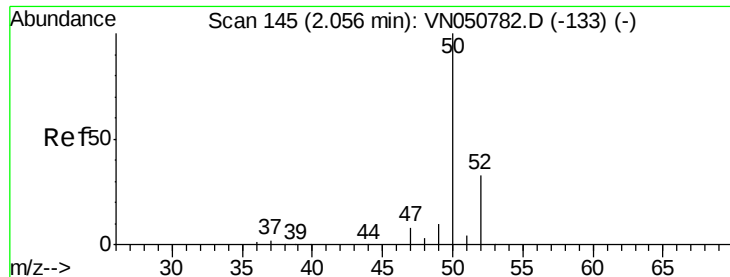
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.83 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

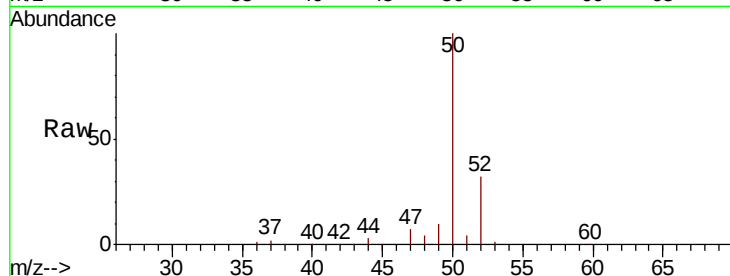
VN0822WBS01

Tot Ion: 50 Resp: 203914

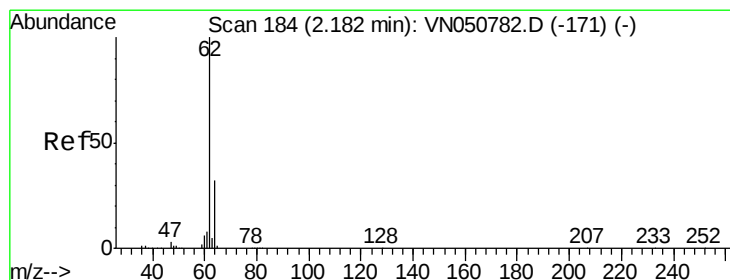
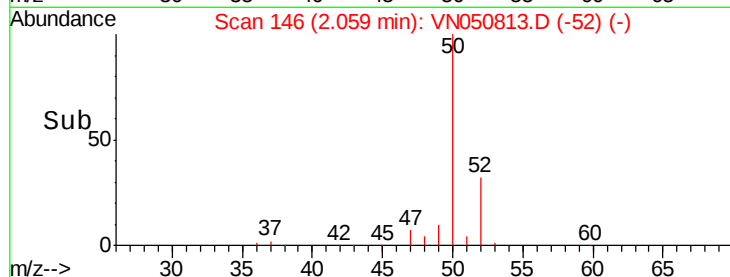
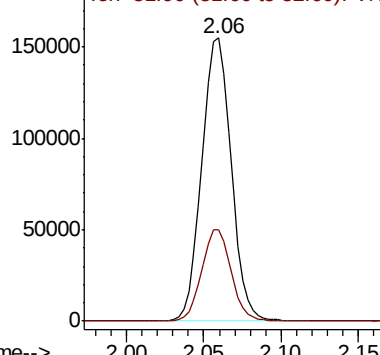
Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5



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



#4

Vinyl Chloride

Concen: 20.64 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050813.D

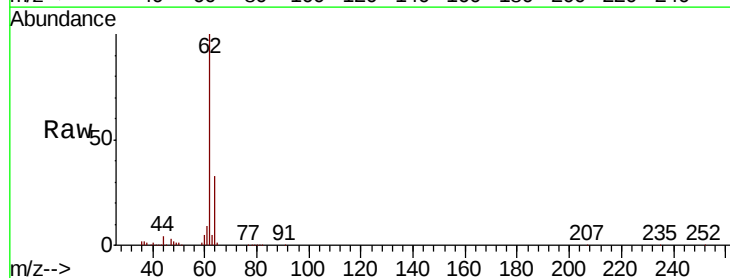
Acq: 22 Aug 2018 12:34

Tgt Ion: 62 Resp: 201008

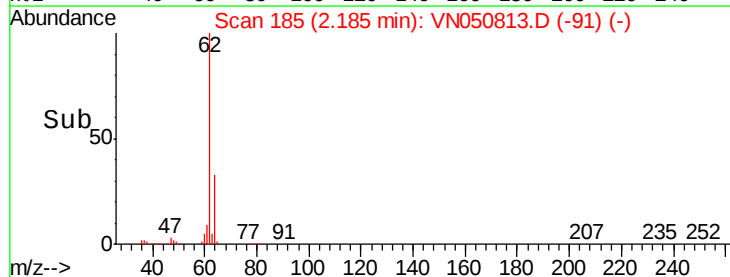
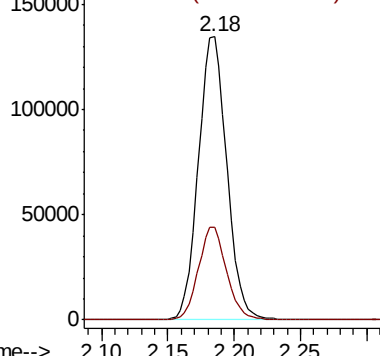
Ion Ratio Lower Upper

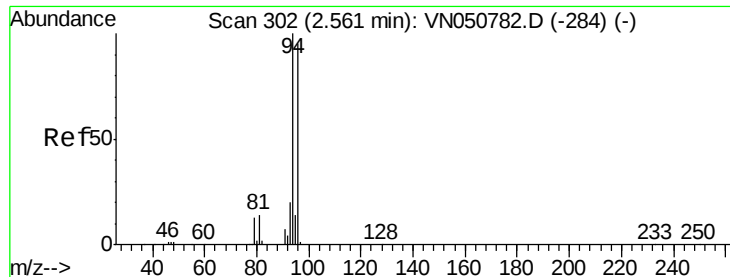
62 100

64 32.5 25.4 38.2



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





#5

Bromomethane

Concen: 19.85 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

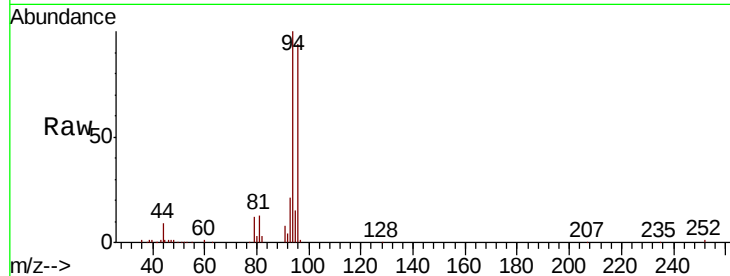
VN0822WBS01

Tot Ion: 94 Resp: 113449

Ion Ratio Lower Upper

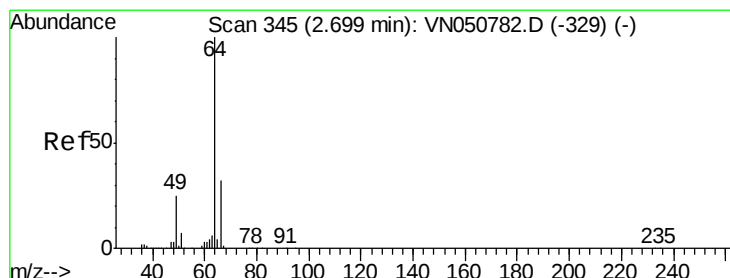
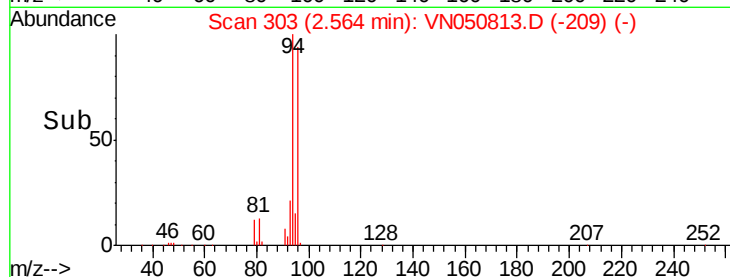
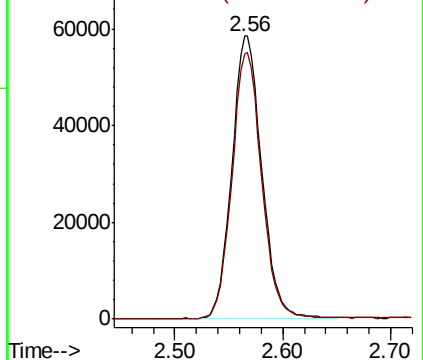
94 100

96 93.6 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.32 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050813.D

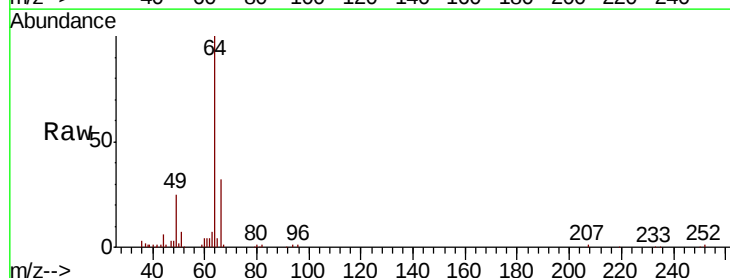
Acq: 22 Aug 2018 12:34

Tgt Ion: 64 Resp: 114344

Ion Ratio Lower Upper

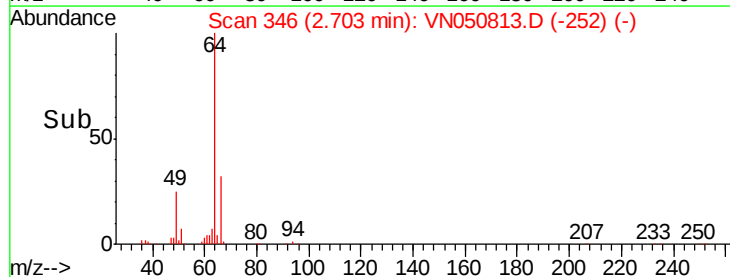
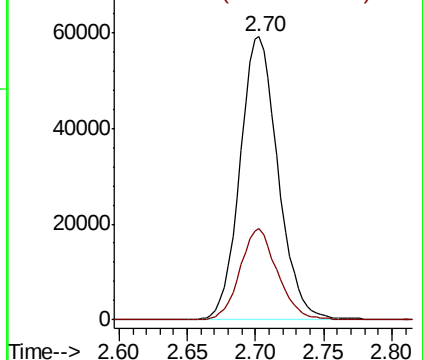
64 100

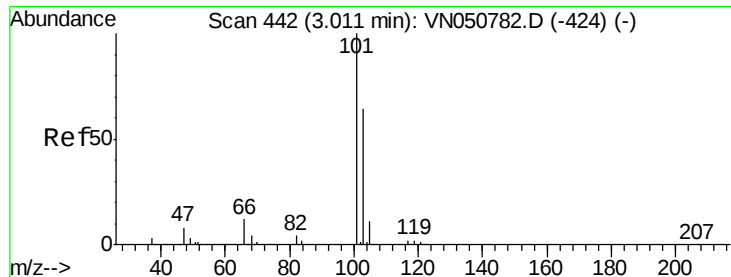
66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



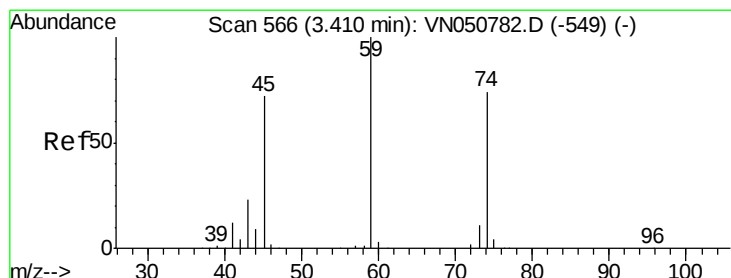
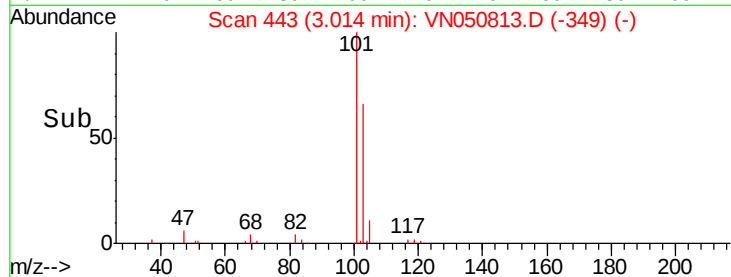
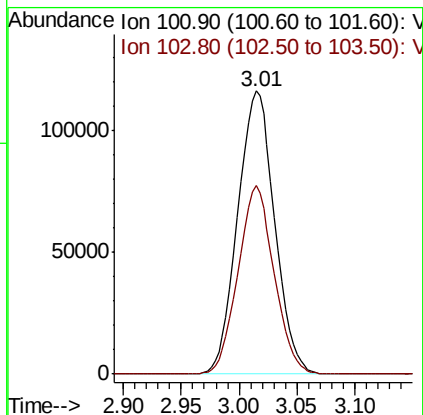
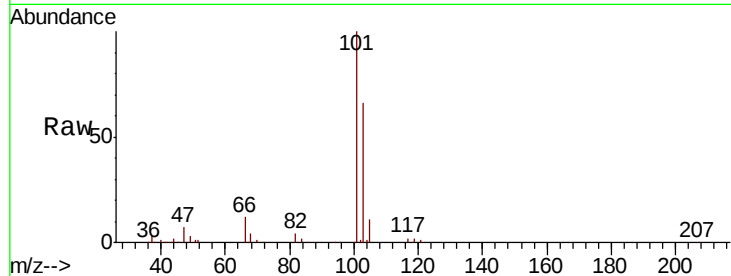


#7

Trichlorofluoromethane
 Concen: 20.63 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Instrument :
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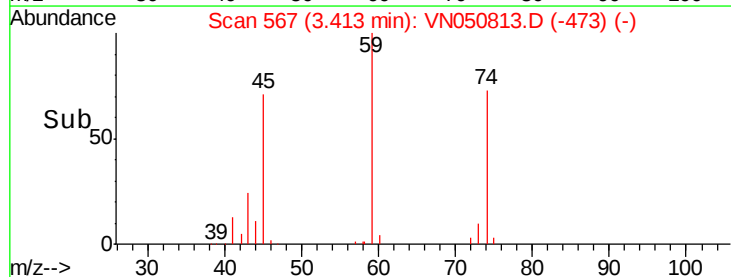
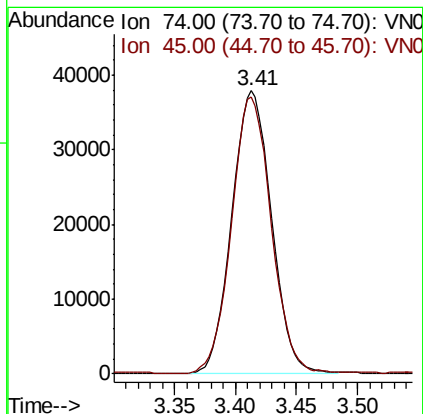
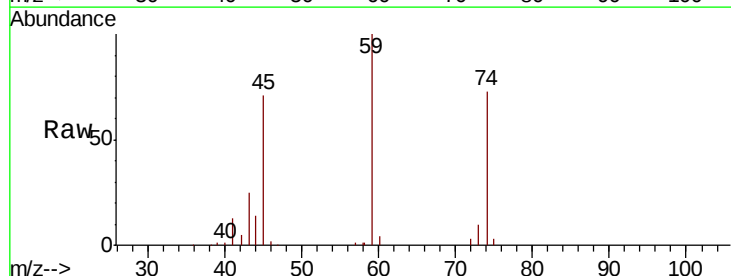
Tot Ion:101 Resp: 257282
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.6 77.4

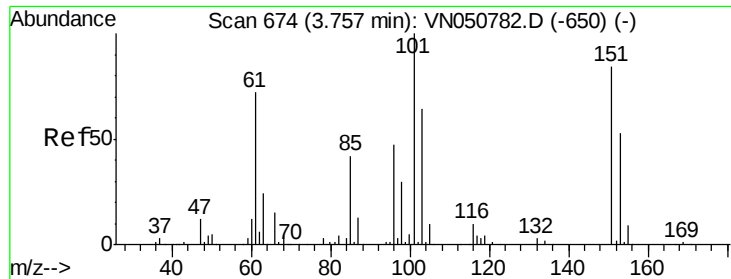


#8

Diethyl Ether
 Concen: 20.15 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion: 74 Resp: 85468
 Ion Ratio Lower Upper
 74 100
 45 98.2 48.2 144.6

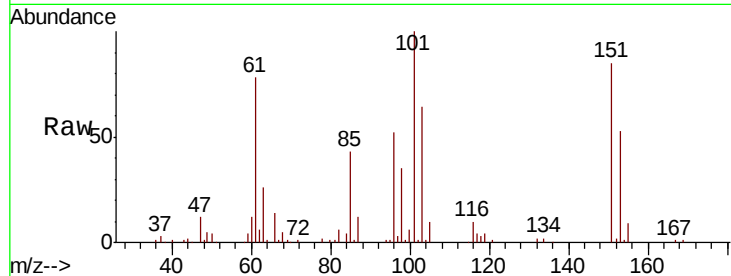




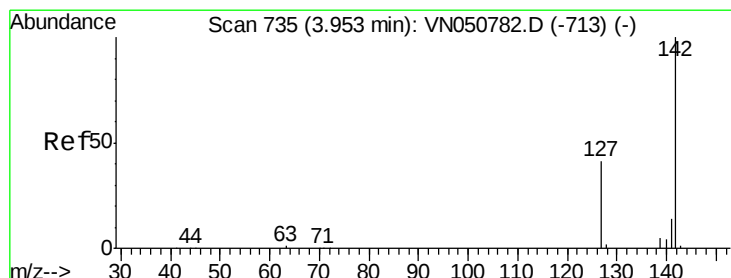
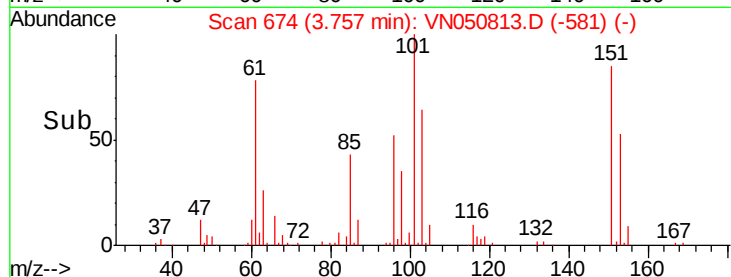
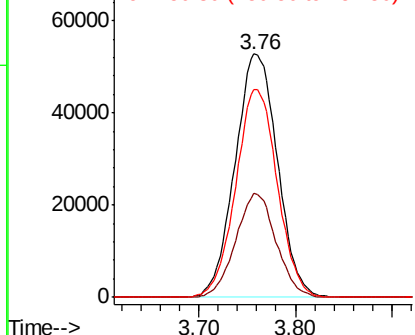
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.62 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Instrument :
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Tot Ion:101 Resp: 160649
 Ion Ratio Lower Upper
 101 100
 85 40.7 33.7 50.5
 151 83.7 67.4 101.2

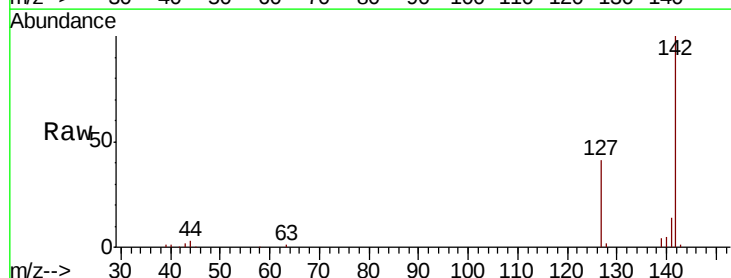


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

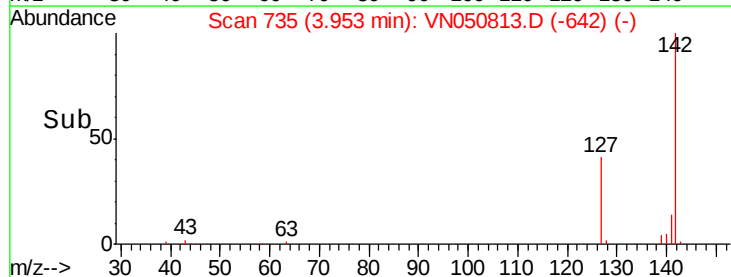
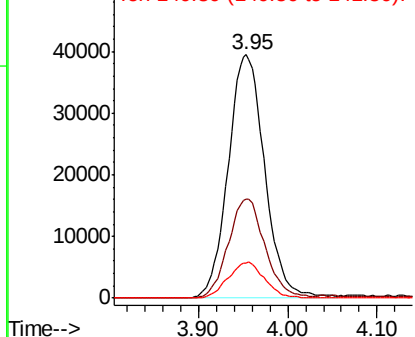


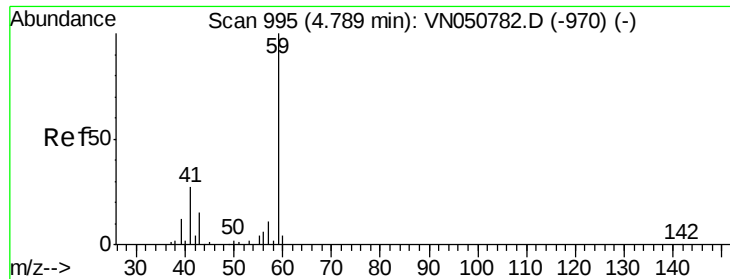
#10
 Methyl Iodide
 Concen: 20.64 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion:142 Resp: 111992
 Ion Ratio Lower Upper
 142 100
 127 40.9 31.7 47.5
 141 14.6 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

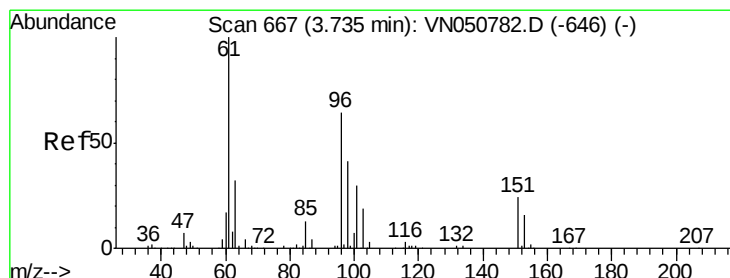
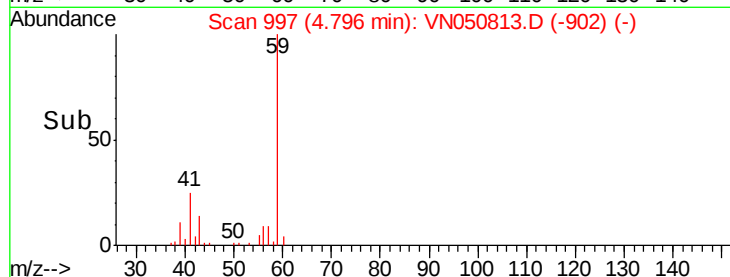
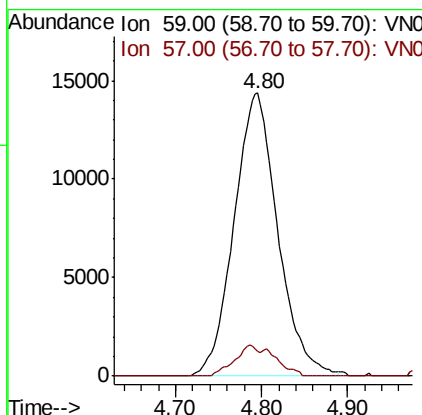
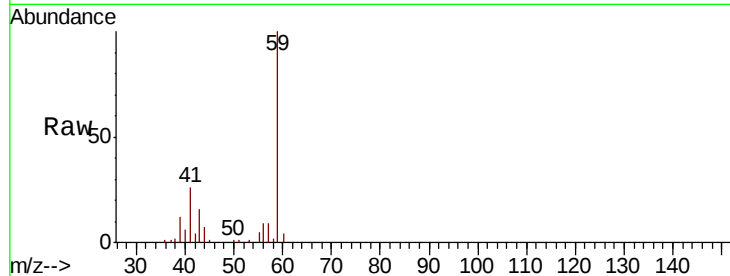




#11
Tert butyl alcohol
Concen: 106.18 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.01 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

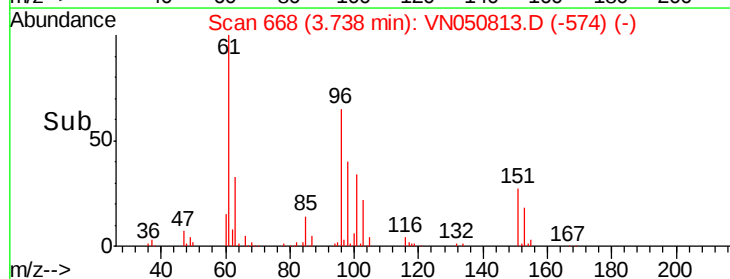
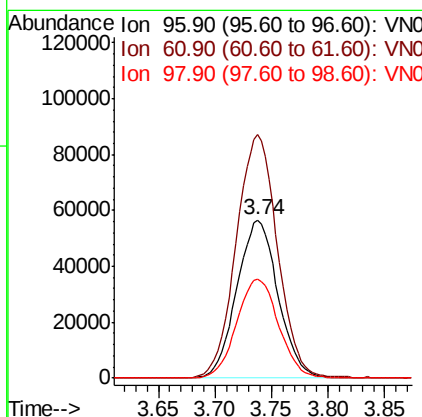
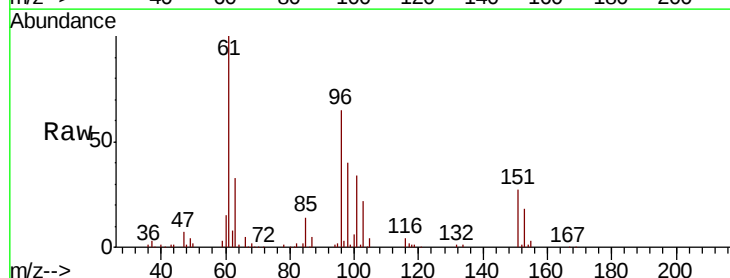
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

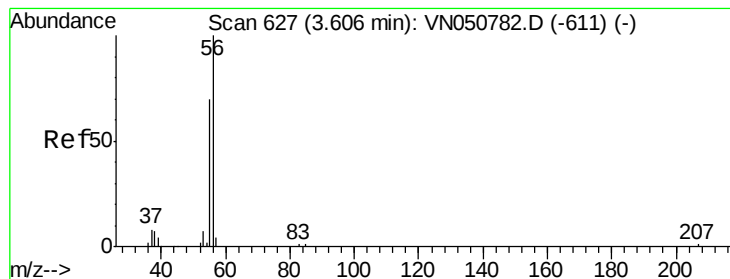
Tot Ion: 59 Resp: 50704
Ion Ratio Lower Upper
59 100
57 6.1 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 20.47 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 96 Resp: 143228
Ion Ratio Lower Upper
96 100
61 153.4 124.9 187.3
98 62.1 51.1 76.7





#13

Acrolein

Concen: 104.77 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

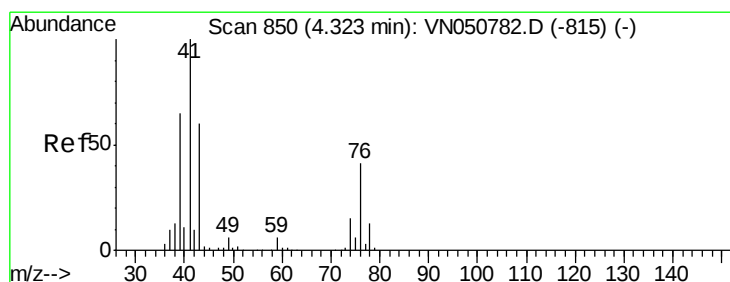
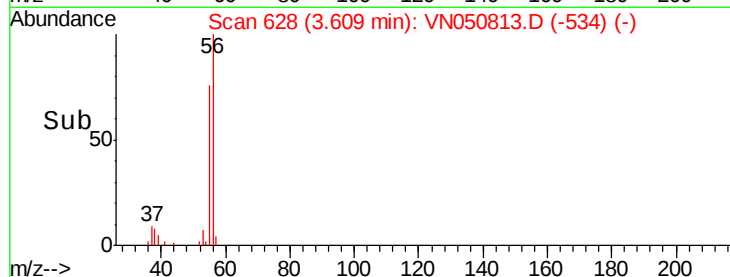
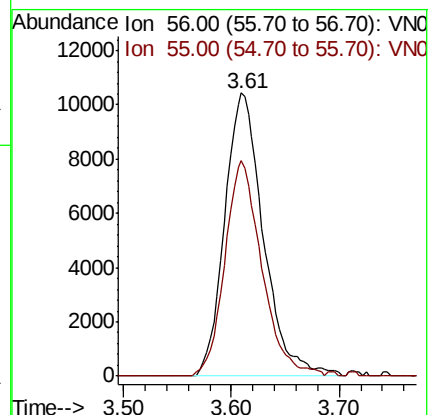
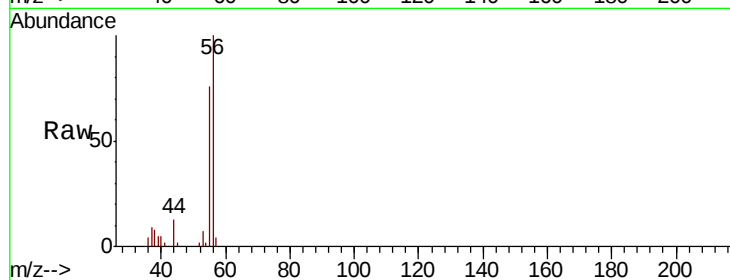
VN0822WBS01

Tot Ion: 56 Resp: 26089

Ion Ratio Lower Upper

56 100

55 72.6 57.7 86.5



#14

Allyl chloride

Concen: 19.75 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

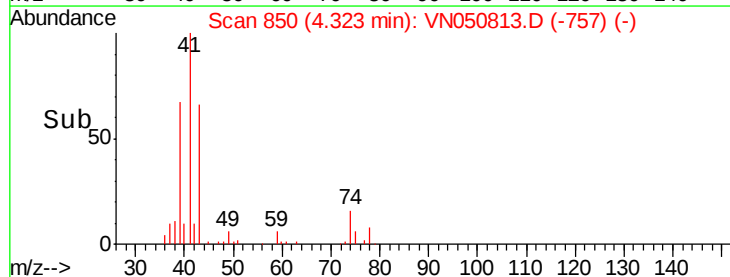
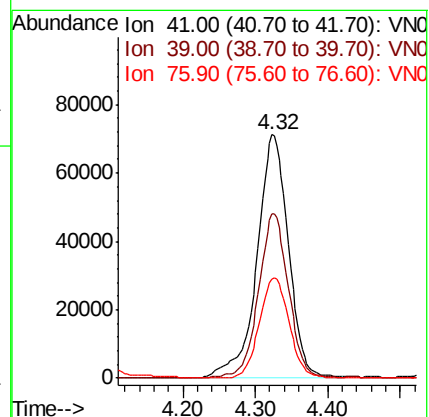
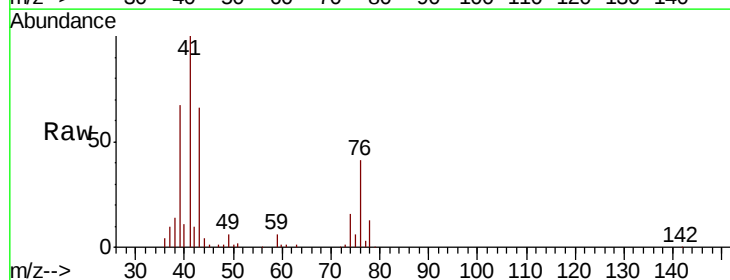
Tgt Ion: 41 Resp: 215297

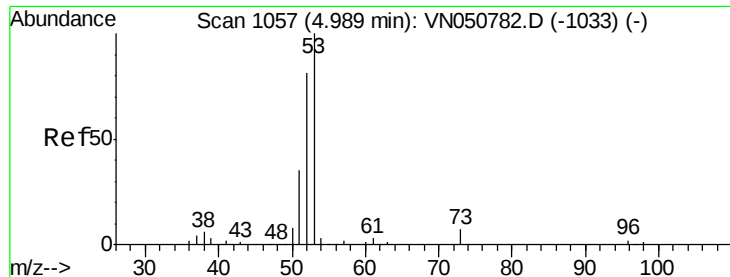
Ion Ratio Lower Upper

41 100

39 64.4 50.2 75.2

76 39.2 29.8 44.8

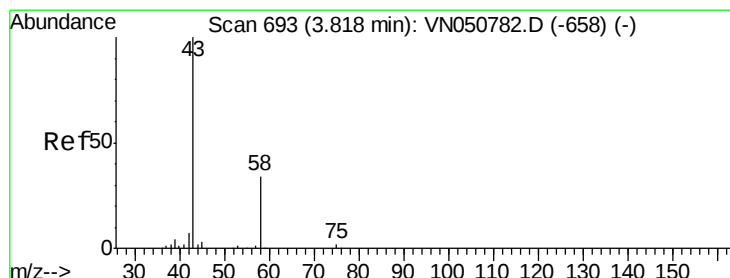
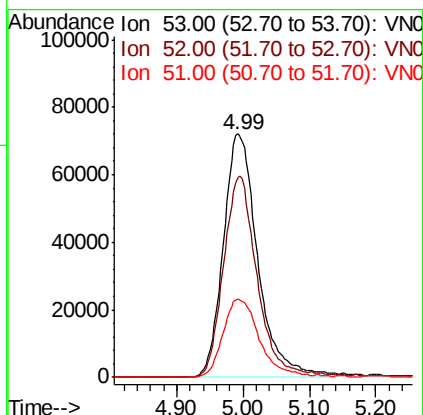
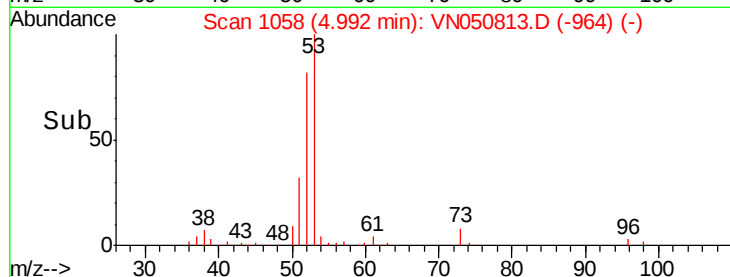
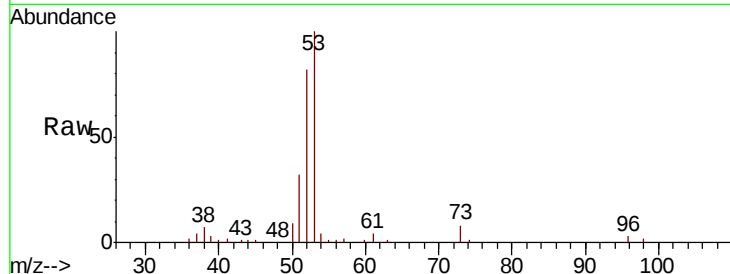




#15
 Acrylonitrile
 Concen: 107.49 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

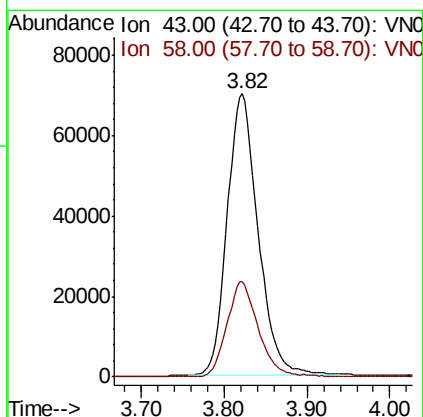
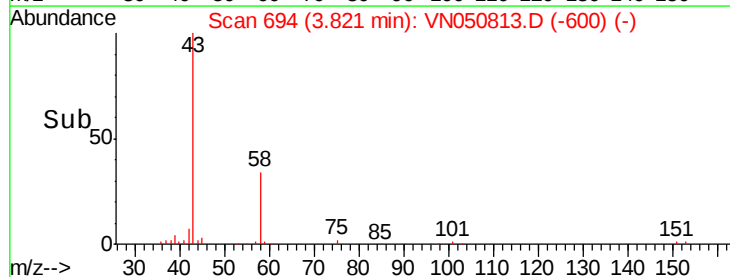
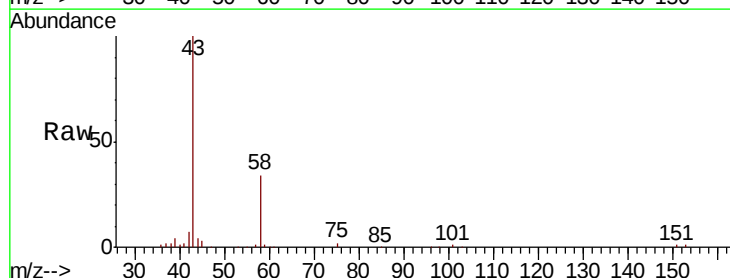
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

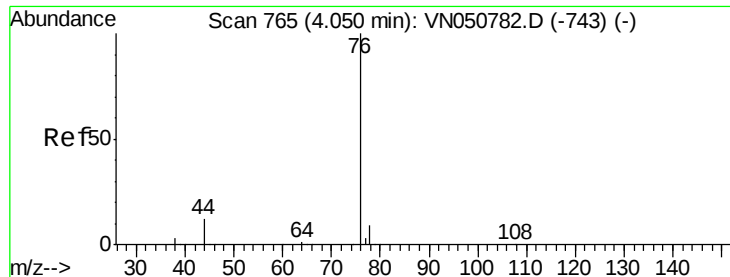
Tot Ion	53	Resp	260857
Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.9	98.9
51	34.1	28.6	43.0



#16
 Acetone
 Concen: 98.00 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	43	Resp	181656
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.2	40.8





#17

Carbon Disulfide

Concen: 19.07 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

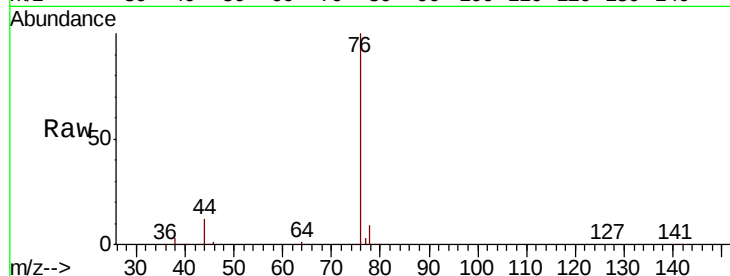
VN0822WBS01

Tot Ion: 76 Resp: 447271

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050813.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050813.D (-743) (-)

4.05

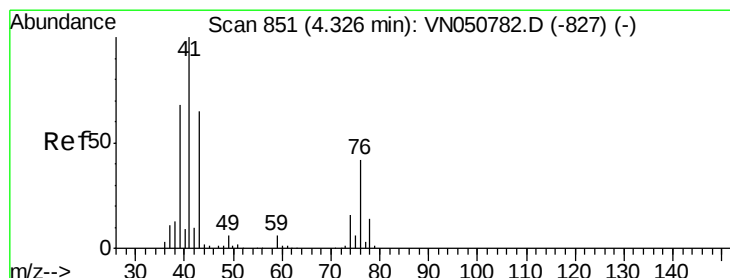
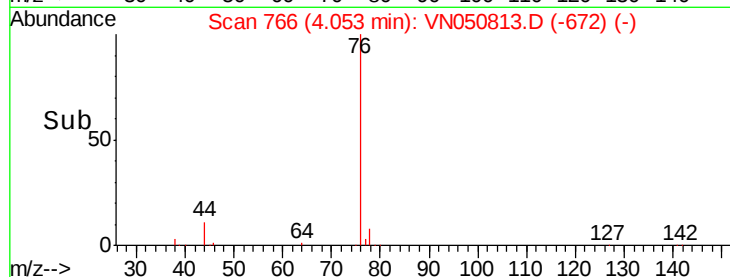
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.37 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050813.D

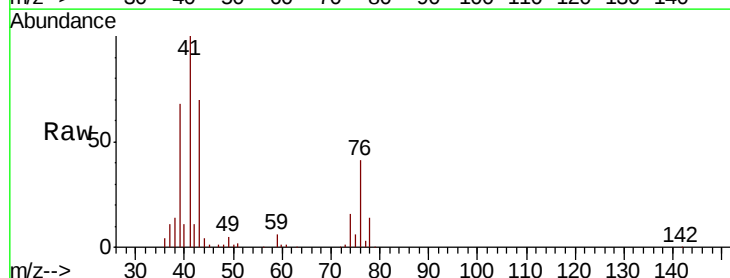
Acq: 22 Aug 2018 12:34

Tgt Ion: 43 Resp: 144262

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050813.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050813.D (-758) (-)

4.33

50000

40000

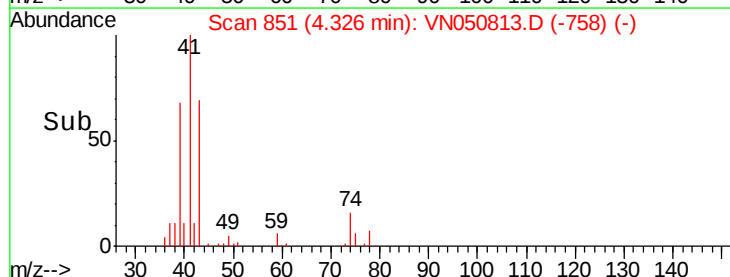
30000

20000

10000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 21.02 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

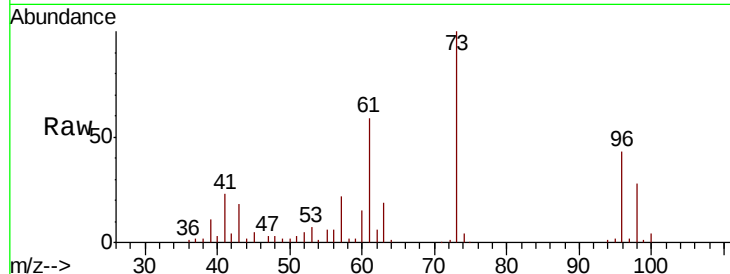
VN0822WBS01

Tot Ion: 73 Resp: 369886

Ion Ratio Lower Upper

73 100

57 21.8 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VN050782.D (-1046) (-)

Ion 57.00 (56.70 to 57.70): VN050782.D (-1046) (-)

120000

100000

80000

60000

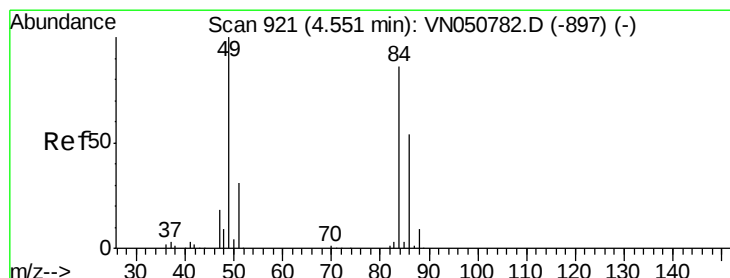
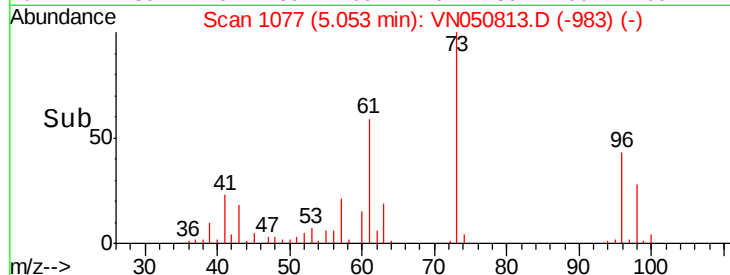
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 19.56 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Tgt Ion: 84 Resp: 165361

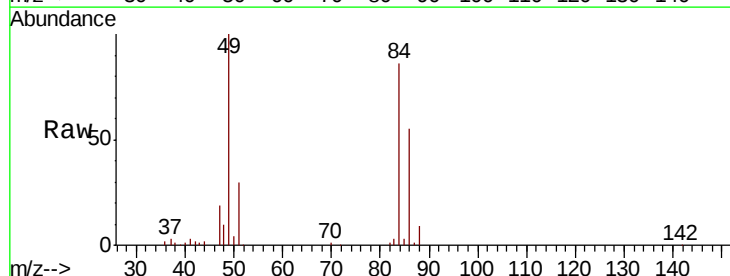
Ion Ratio Lower Upper

84 100

49 116.2 93.2 139.8

51 35.2 29.0 43.6

86 64.0 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VN050782.D (-897) (-)

Ion 48.90 (48.60 to 49.60): VN050782.D (-897) (-)

Ion 50.90 (50.60 to 51.60): VN050782.D (-897) (-)

Ion 85.90 (85.60 to 86.60): VN050782.D (-897) (-)

80000

60000

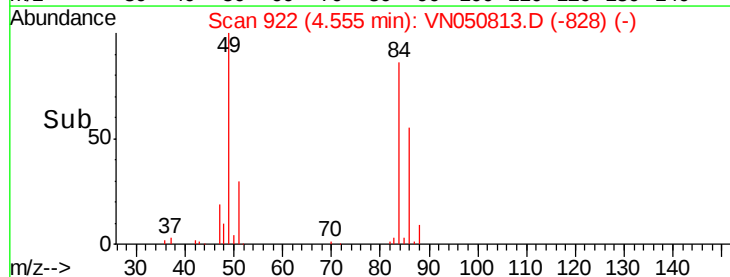
40000

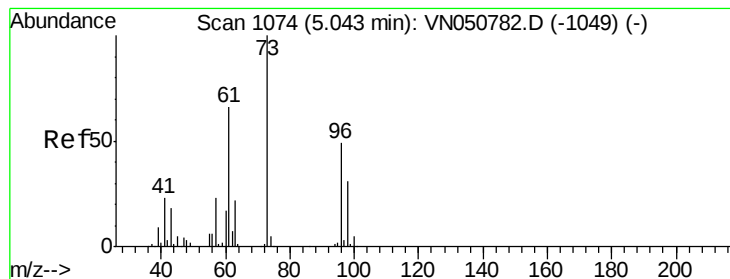
20000

0

Time-->

4.40 4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 20.09 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

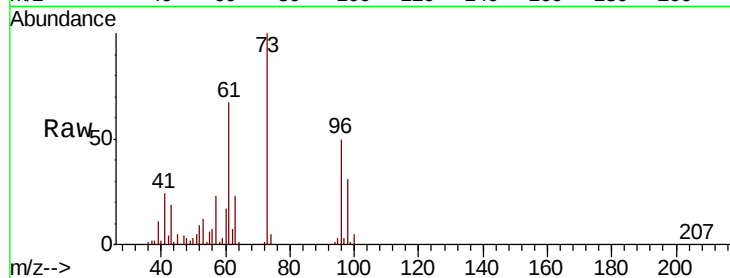
Tot Ion: 96 Resp: 152039

Ion Ratio Lower Upper

96 100

61 135.2 107.4 161.0

98 62.8 50.7 76.1

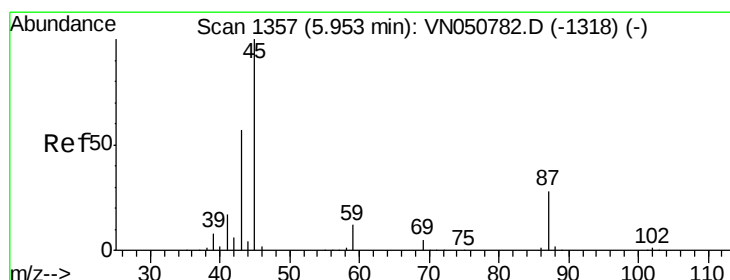
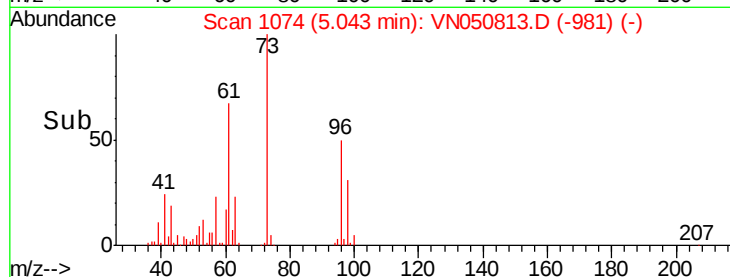
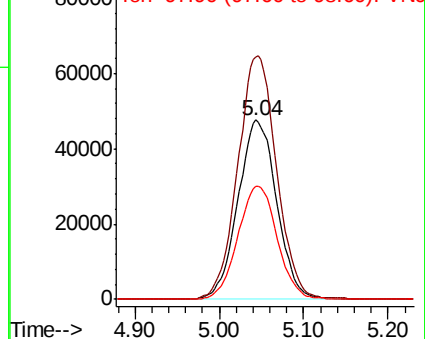


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.56 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Tgt Ion: 45 Resp: 468375

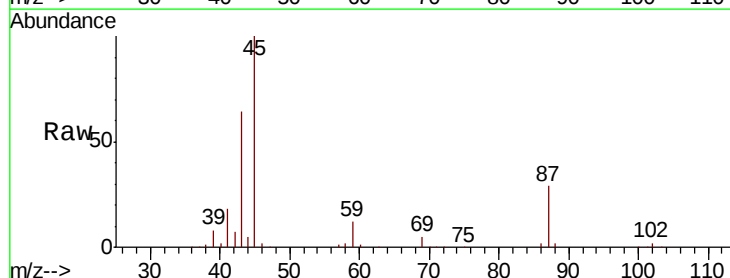
Ion Ratio Lower Upper

45 100

43 63.0 45.9 68.9

87 29.5 22.7 34.1

59 12.2 9.3 13.9



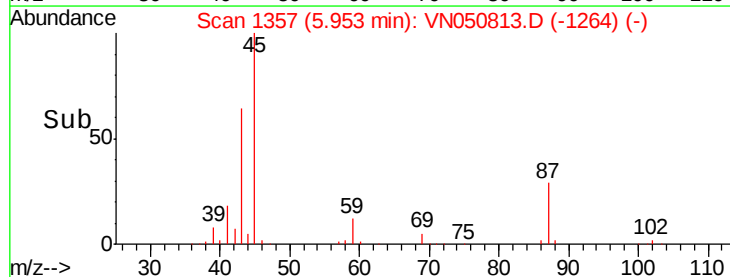
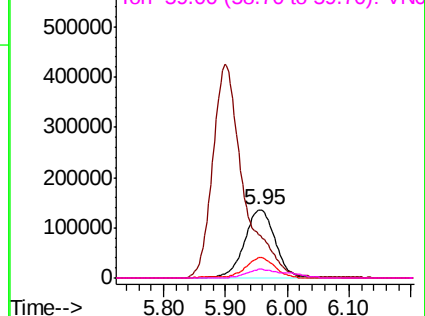
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

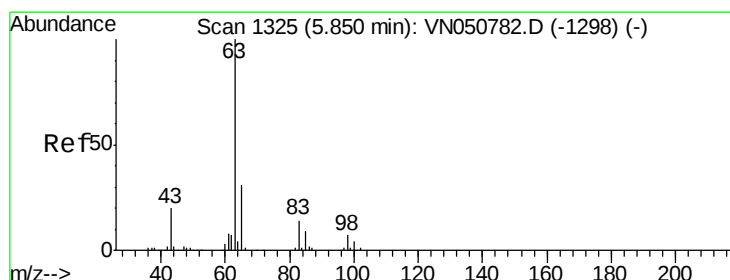
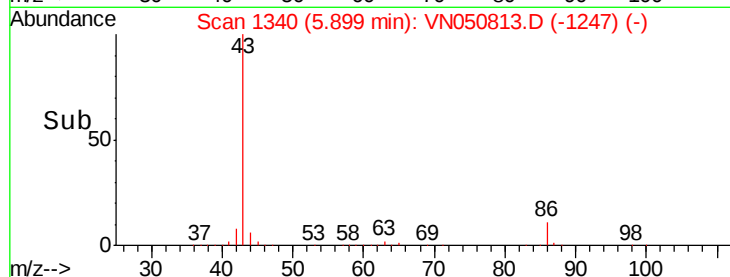
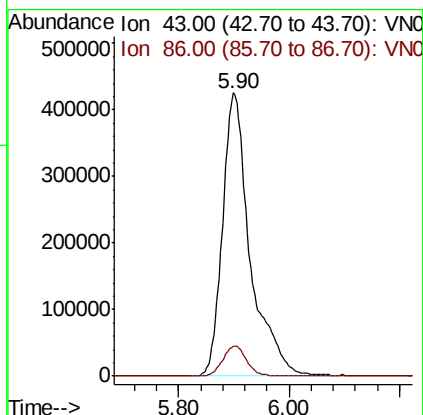
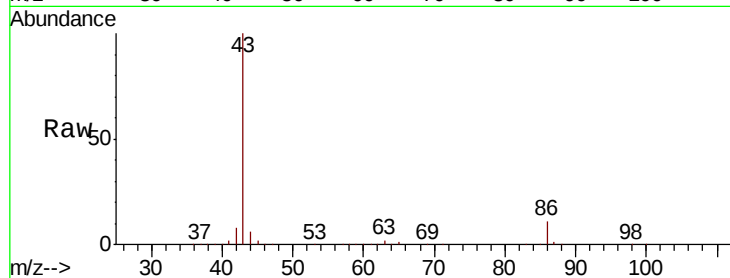




#23
 Vinyl Acetate
 Concen: 105.70 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

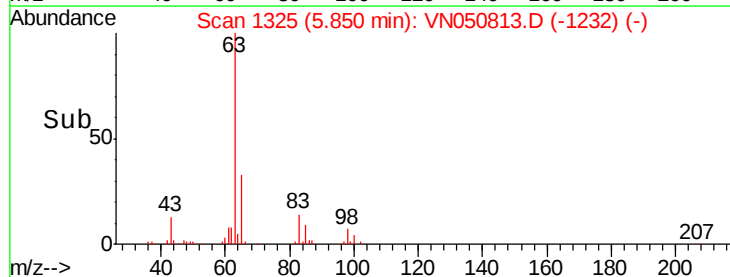
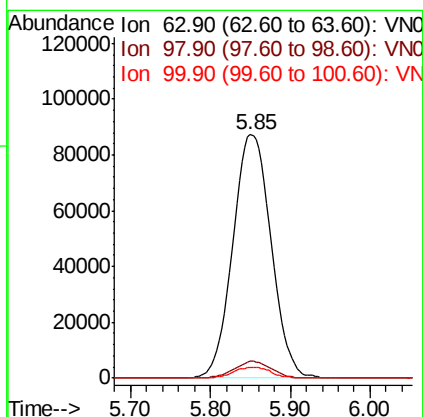
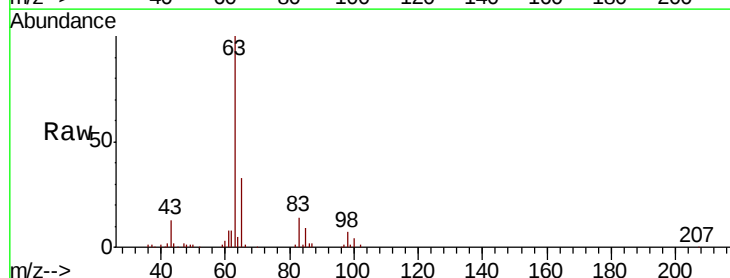
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

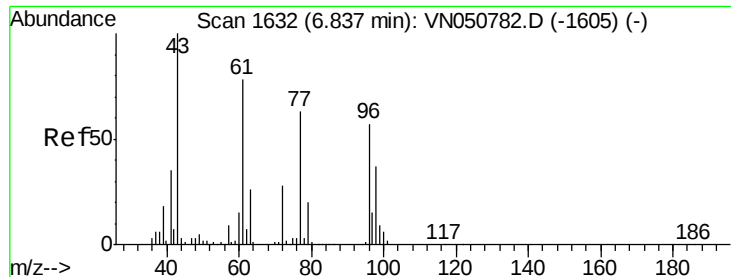
Tot Ion: 43 Resp: 1478999
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 20.31 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion: 63 Resp: 283354
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 92.10 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

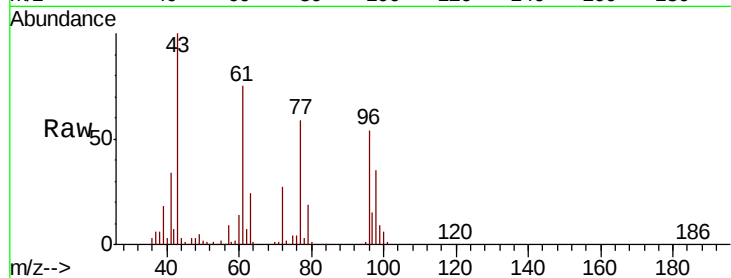
VN0822WBS01

Tot Ion: 43 Resp: 278336

Ion Ratio Lower Upper

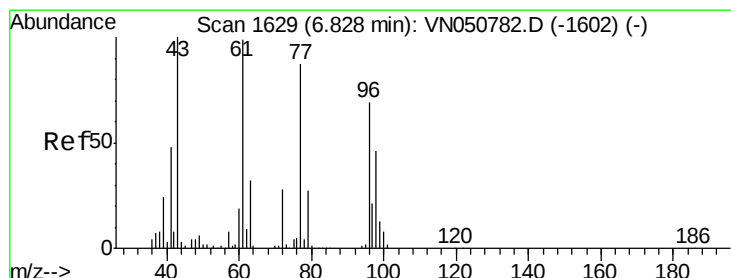
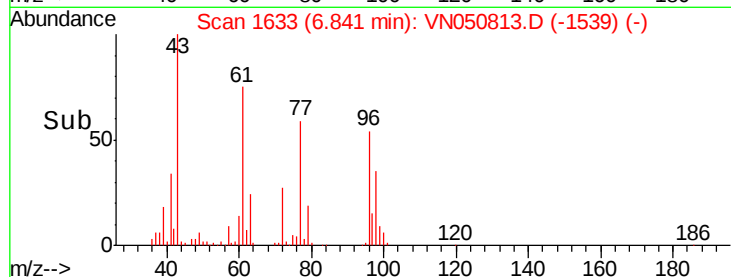
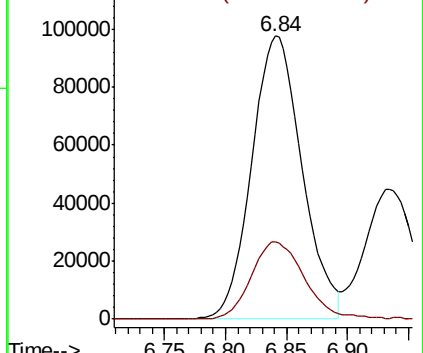
43 100

72 27.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.91 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050813.D

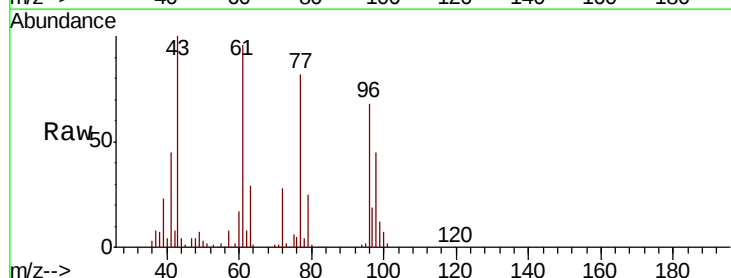
Acq: 22 Aug 2018 12:34

Tgt Ion: 77 Resp: 223206

Ion Ratio Lower Upper

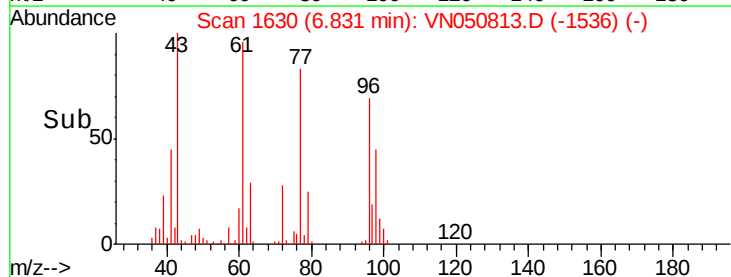
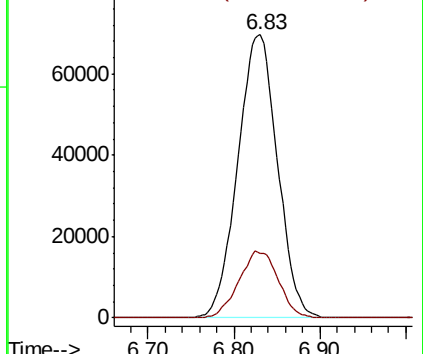
77 100

97 23.5 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.41 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

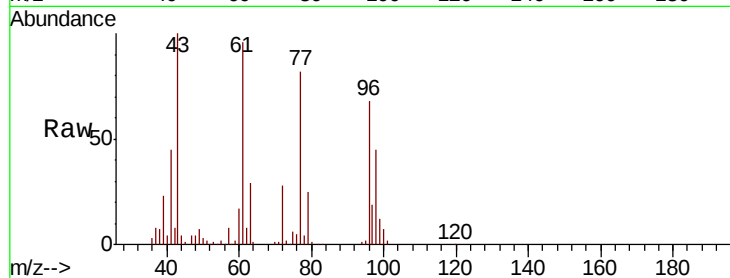
Tot Ion: 96 Resp: 166539

Ion Ratio Lower Upper

96 100

61 141.9 0.0 283.4

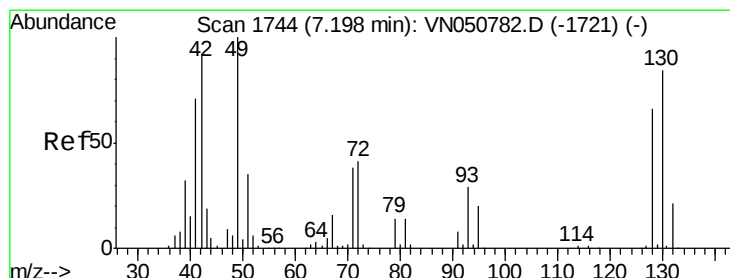
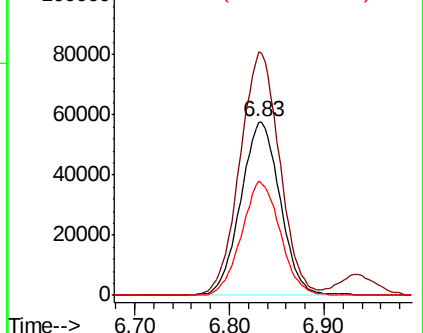
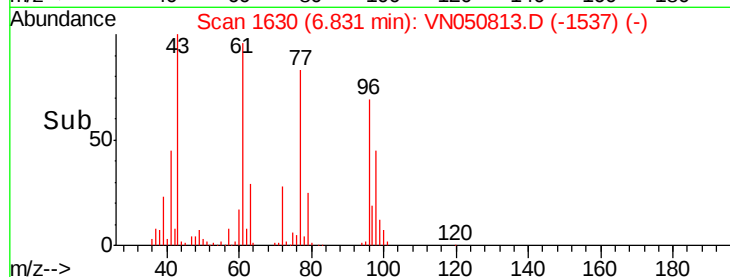
98 64.6 0.0 129.8



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: 20.80 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

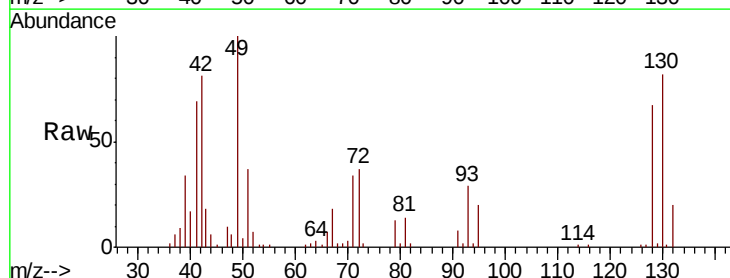
Tgt Ion: 49 Resp: 123301

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.2

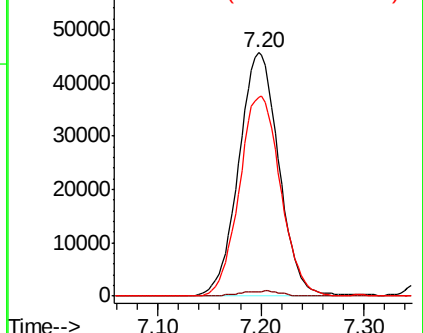
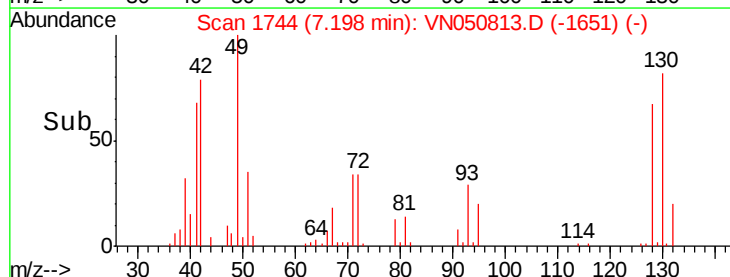
130 84.5 67.1 100.7

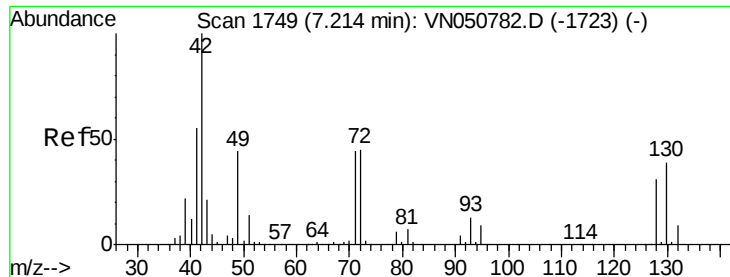


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

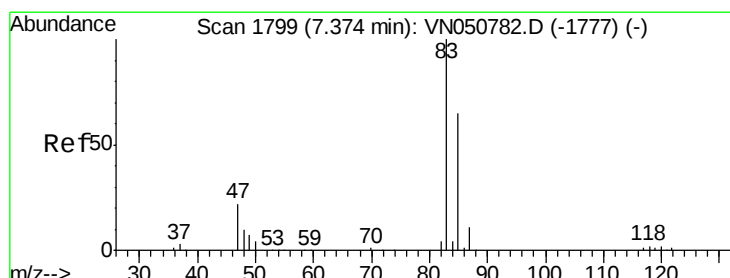
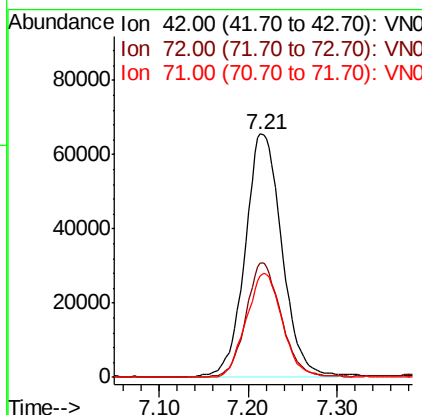
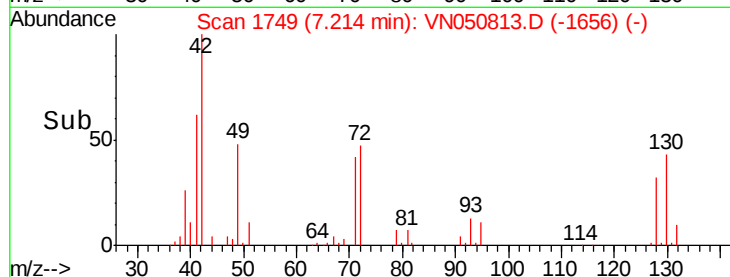
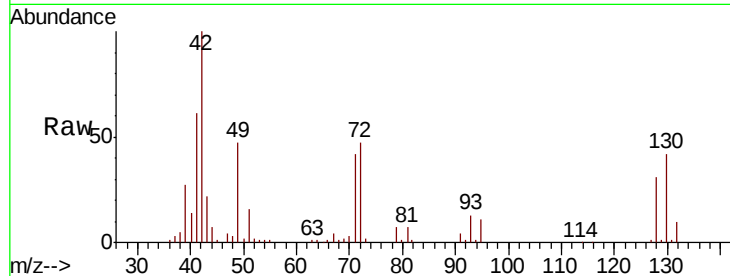




#29
Tetrahydrofuran
Concen: 108.92 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

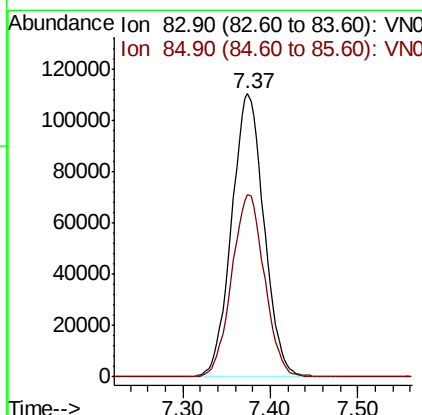
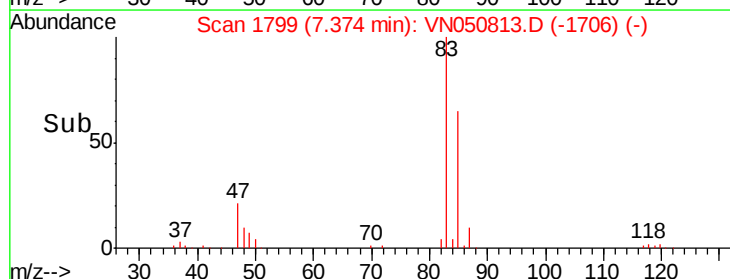
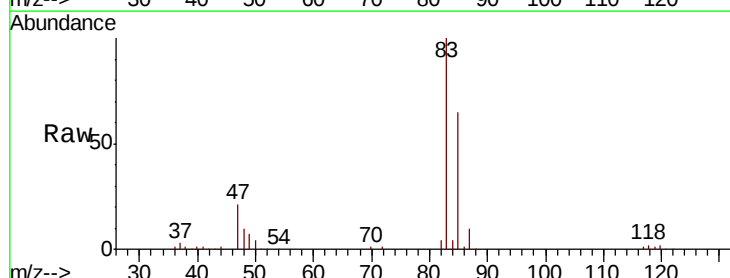
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

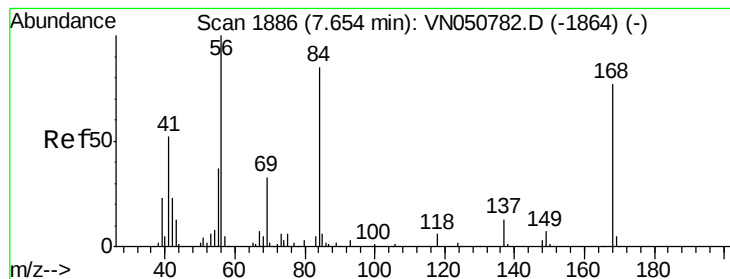
Tot Ion: 42 Resp: 188737
Ion Ratio Lower Upper
42 100
72 44.8 35.5 53.3
71 41.6 33.7 50.5



#30
Chloroform
Concen: 20.53 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 83 Resp: 283543
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4





#31

Cyclohexane

Concen: 19.66 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

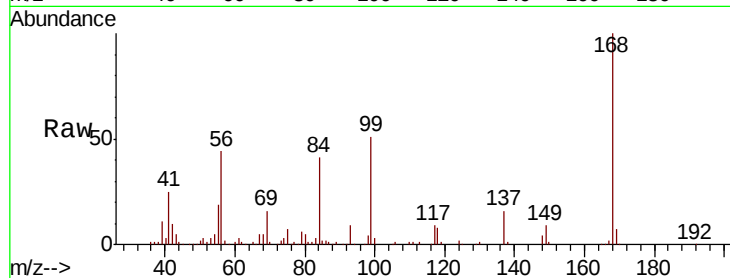
Tot Ion: 56 Resp: 245599

Ion Ratio Lower Upper

56 100

69 36.7 26.2 39.4

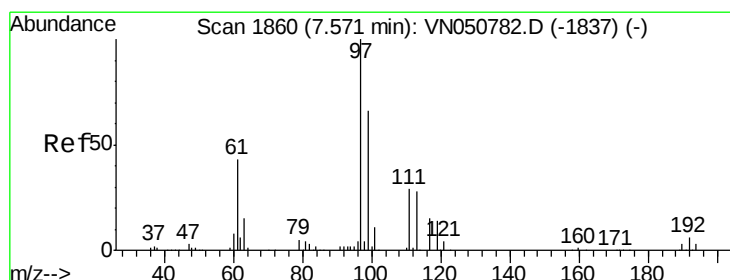
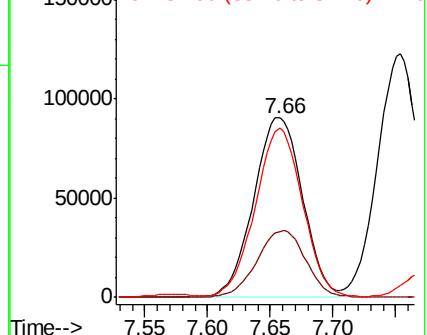
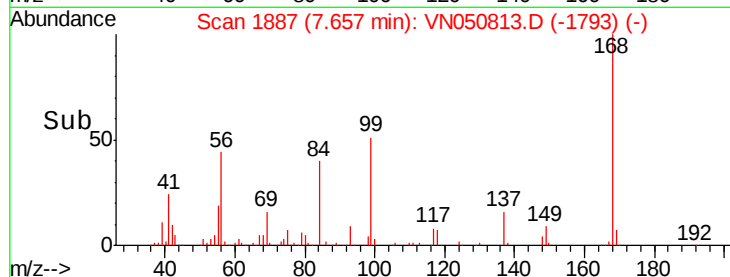
84 92.9 68.3 102.5



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: 20.31 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

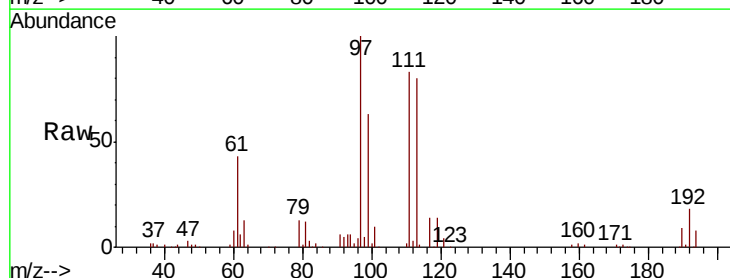
Tgt Ion: 97 Resp: 240913

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

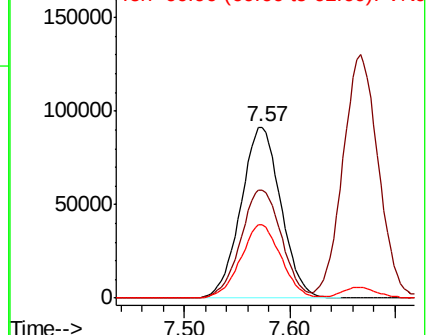
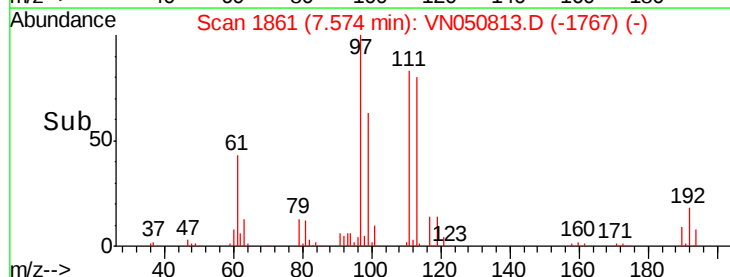
61 43.2 34.9 52.3



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

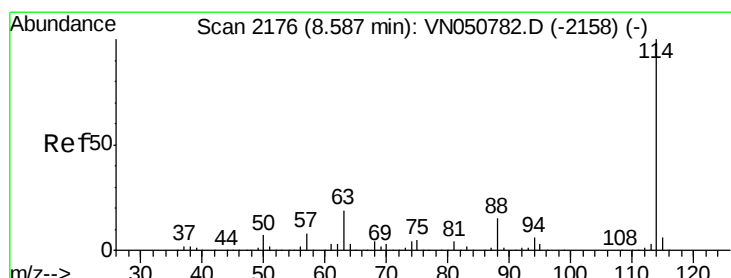
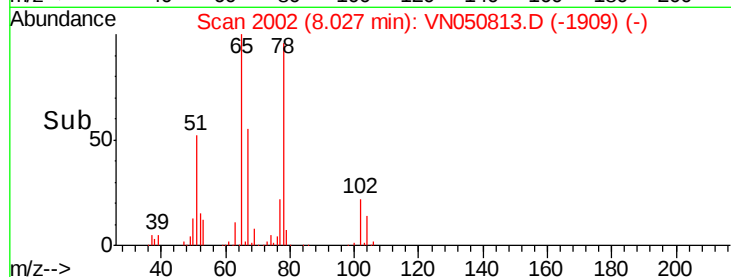
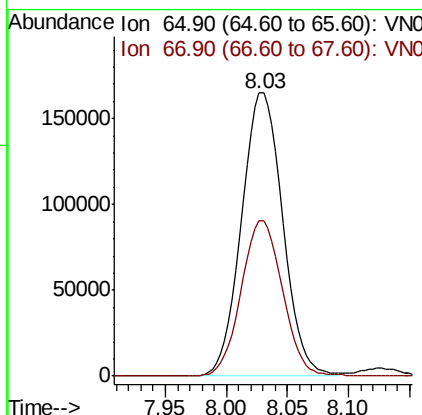
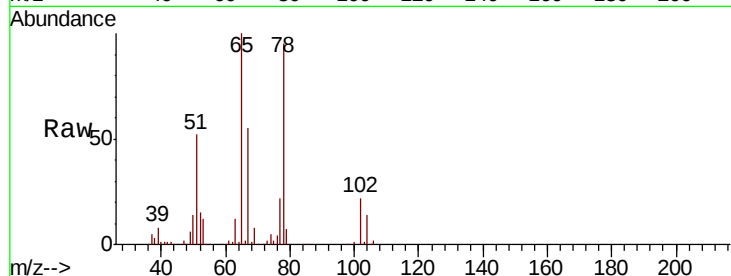




#33
 1,2-Dichloroethane-d4
 Concen: 51.46 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

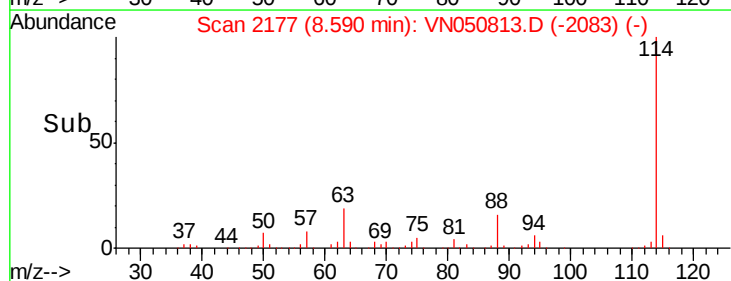
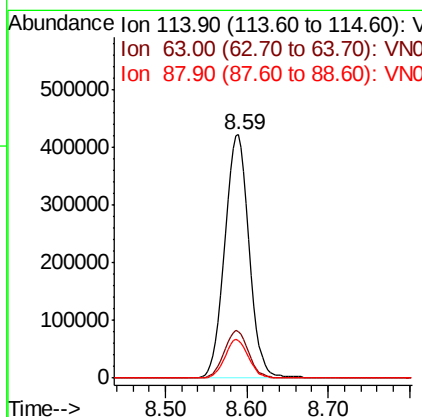
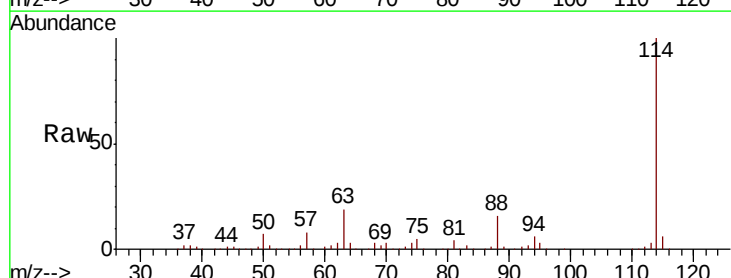
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion: 65 Resp: 385896
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion: 114 Resp: 894376
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.6 0.0 30.6

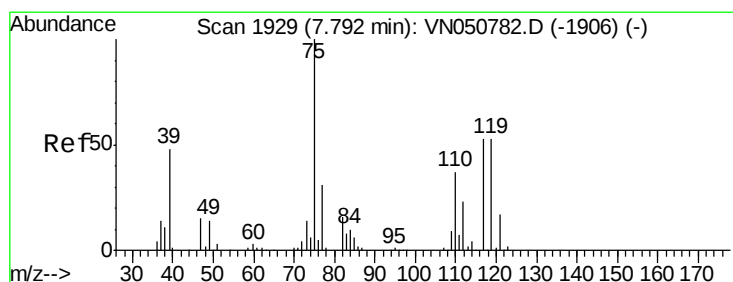
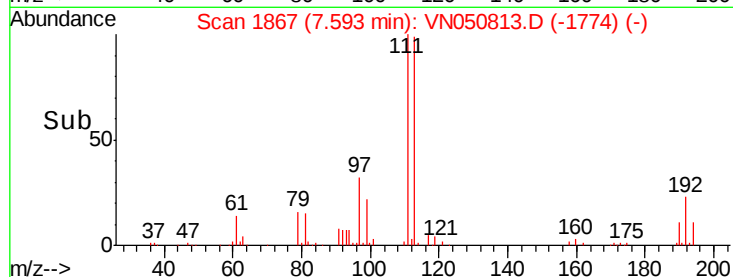
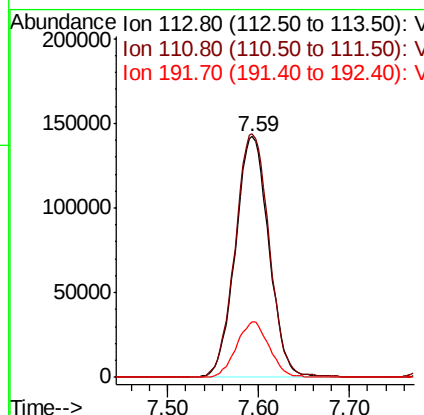
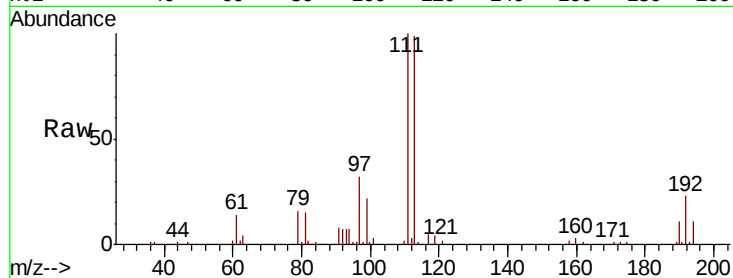




#35
 Dibromofluoromethane
 Concen: 51.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

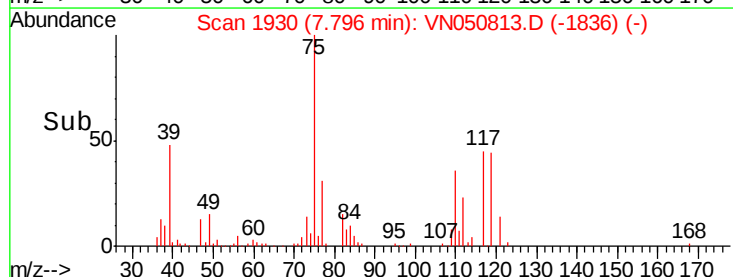
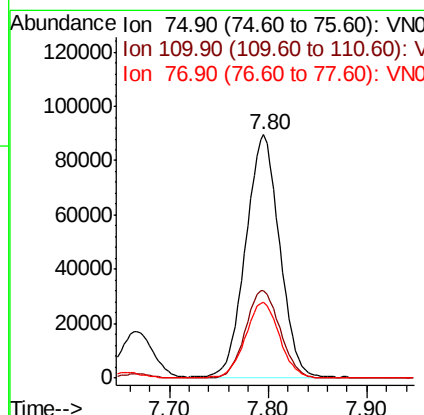
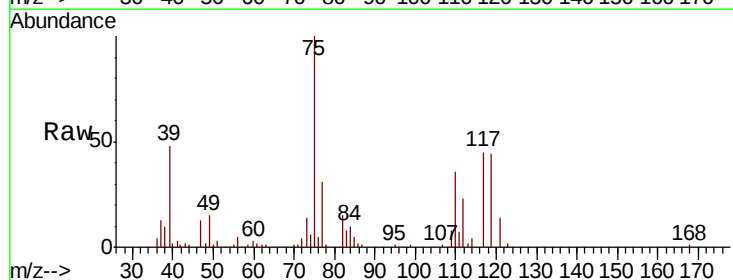
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

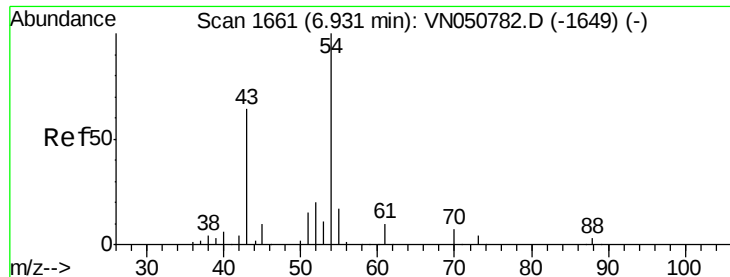
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	22.6	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 20.01 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.4
77	31.9	24.8	37.2

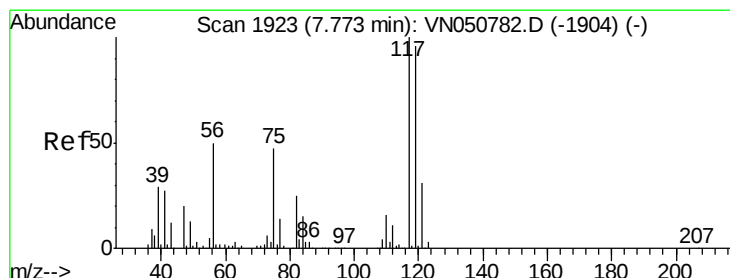
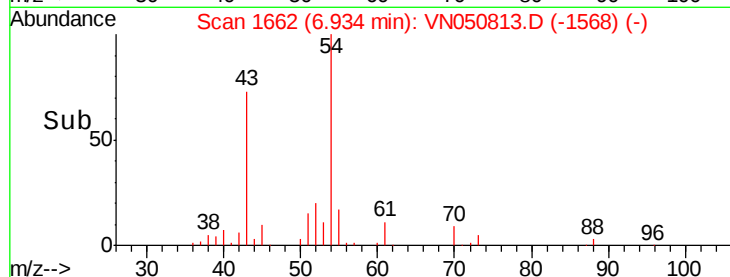
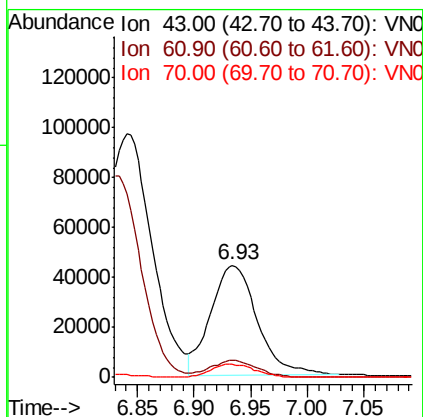
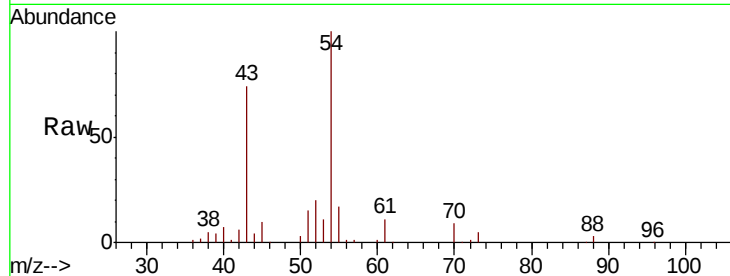




#37
Ethyl Acetate
Concen: 20.91 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

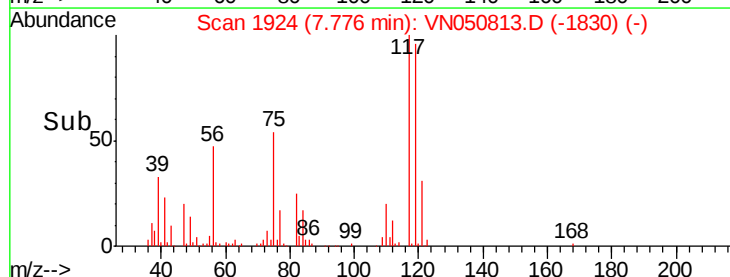
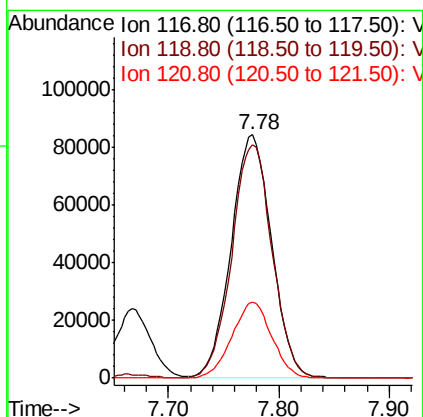
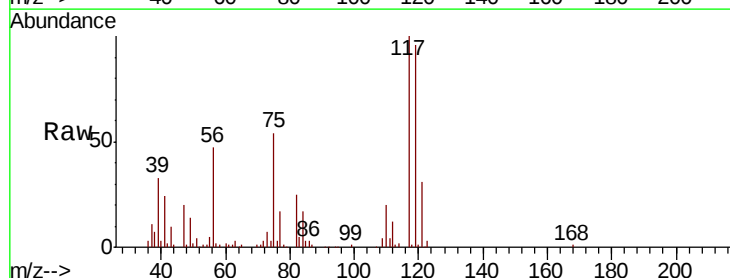
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

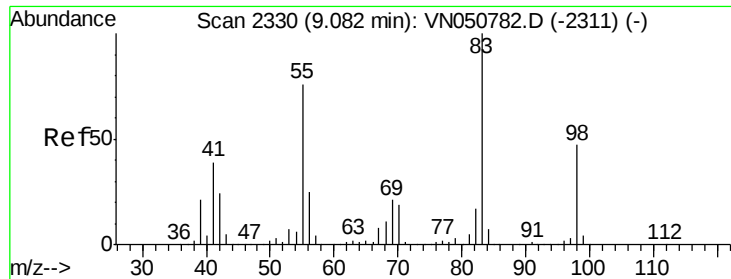
Tot Ion: 43 Resp: 126761
Ion Ratio Lower Upper
43 100
61 14.8 12.0 18.0
70 11.5 8.6 13.0



#38
Carbon Tetrachloride
Concen: 20.15 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 117 Resp: 214971
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5
121 31.3 24.6 36.8

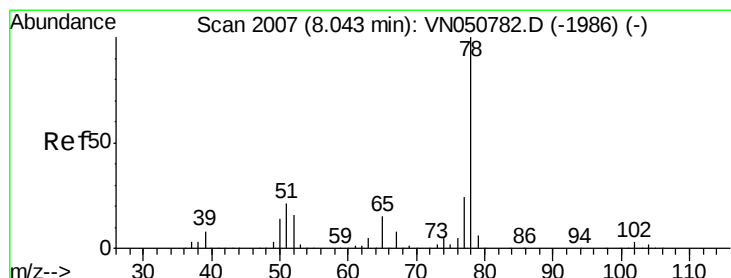
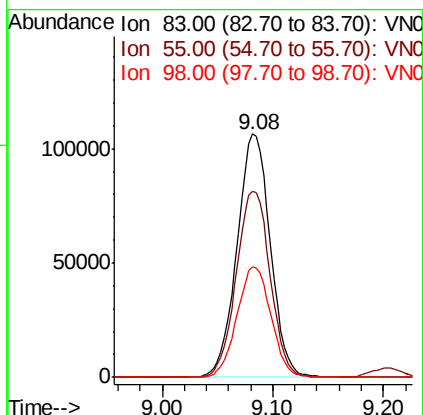
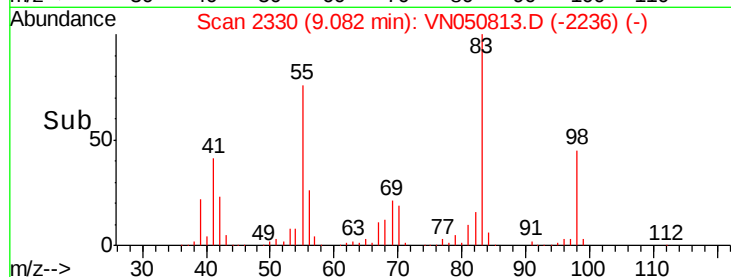
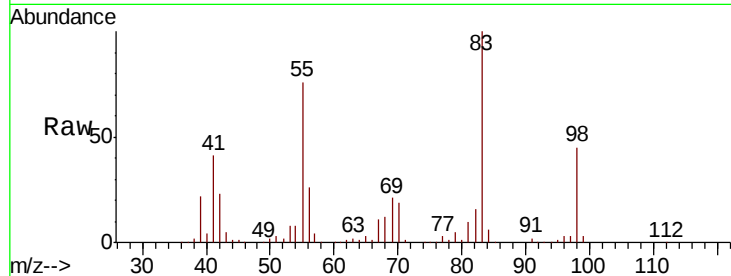




#39
Methvlcvclohexane
Concen: 19.46 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

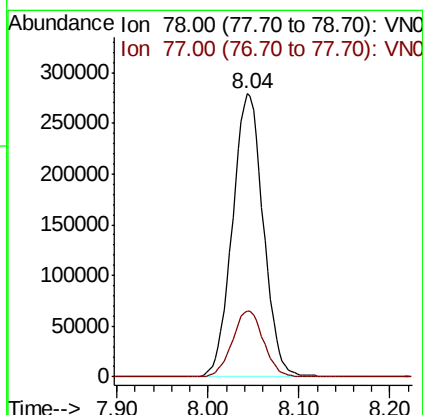
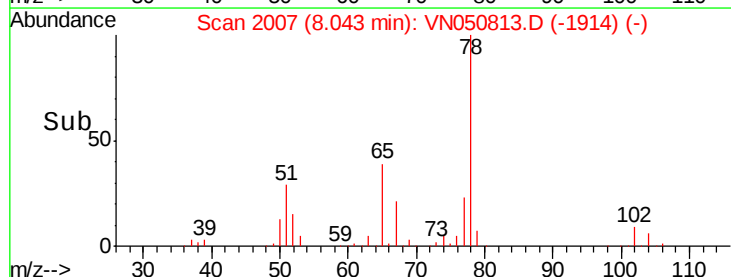
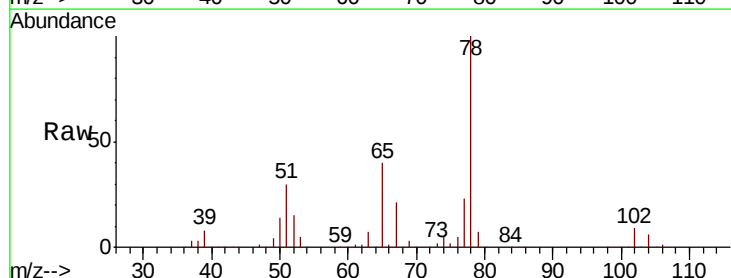
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

Tot Ion: 83 Resp: 222158
Ion Ratio Lower Upper
83 100
55 76.4 61.0 91.4
98 45.4 37.5 56.3



#40
Benzene
Concen: 20.68 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 78 Resp: 658002
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

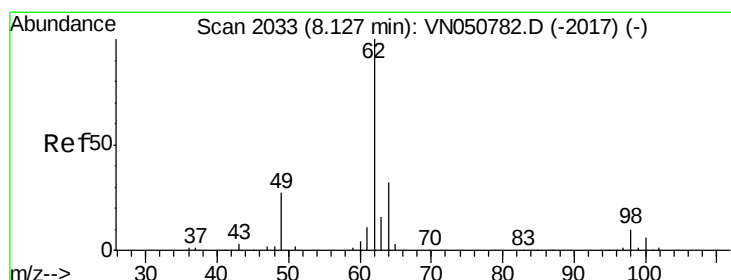
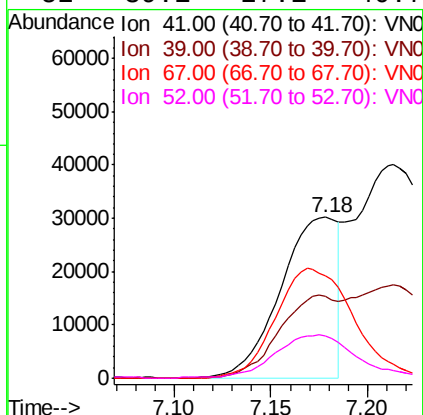
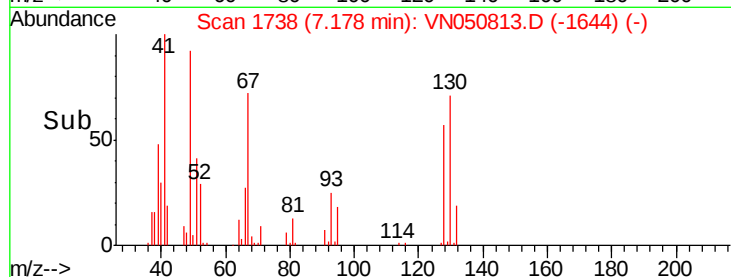
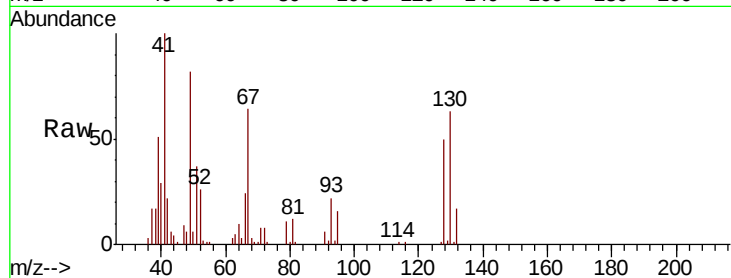




#41
Methacrylonitrile
Concen: 18.97 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

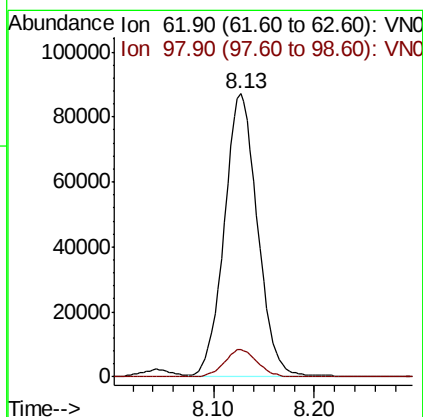
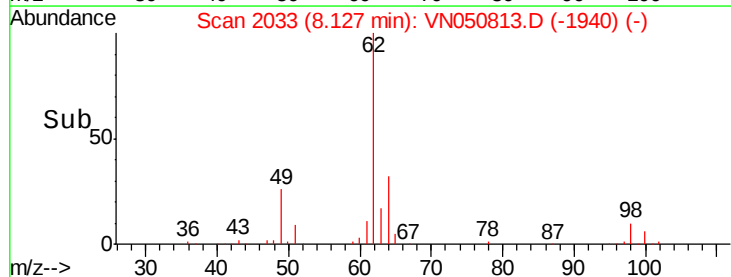
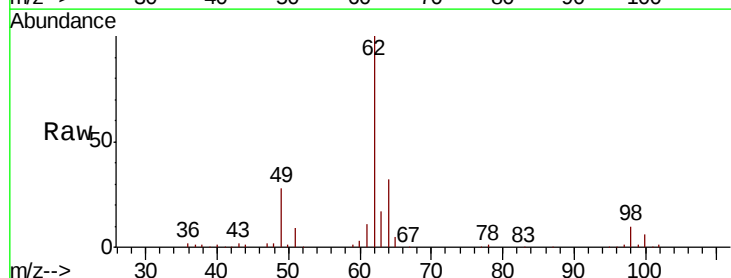
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

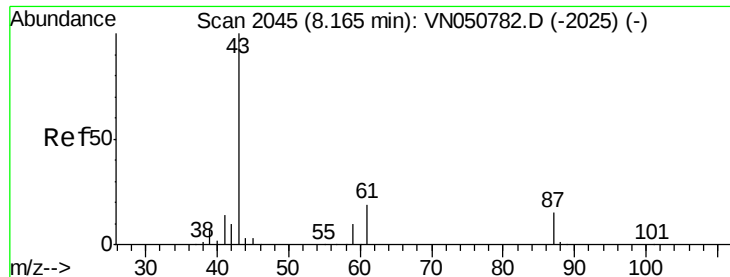
Tot Ion: 41 Resp: 62245
Ion Ratio Lower Upper
41 100
39 51.8 45.4 68.0
67 92.9 70.6 106.0
52 39.1 27.1 40.7



#42
1,2-Dichloroethane
Concen: 20.87 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 62 Resp: 198616
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.6





#43

Isopropyl Acetate

Concen: 21.62 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

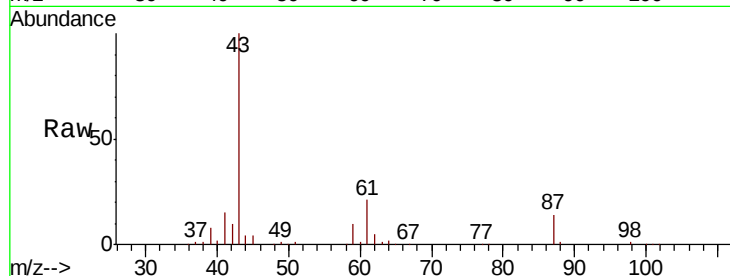
Tot Ion: 43 Resp: 225355

Ion Ratio Lower Upper

43 100

61 30.0 17.5 26.3#

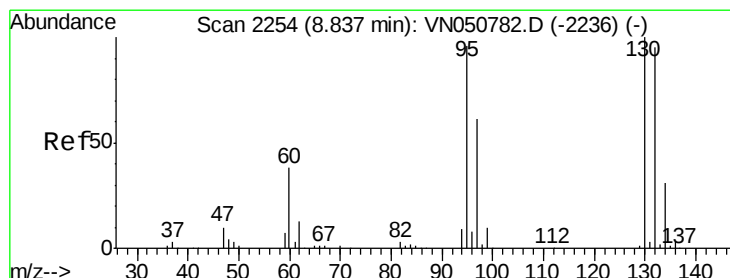
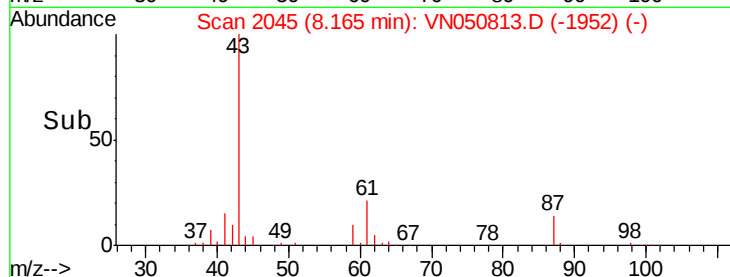
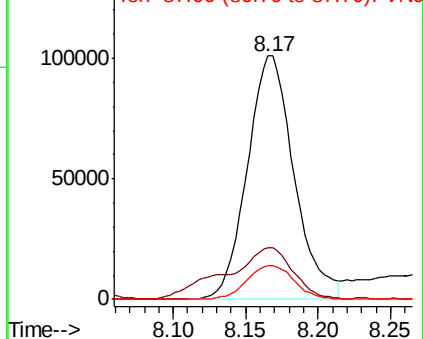
87 14.1 11.3 16.9



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: 20.17 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050813.D

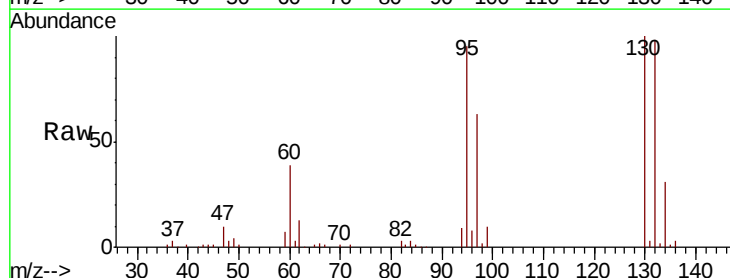
Acq: 22 Aug 2018 12:34

Tgt Ion:130 Resp: 169335

Ion Ratio Lower Upper

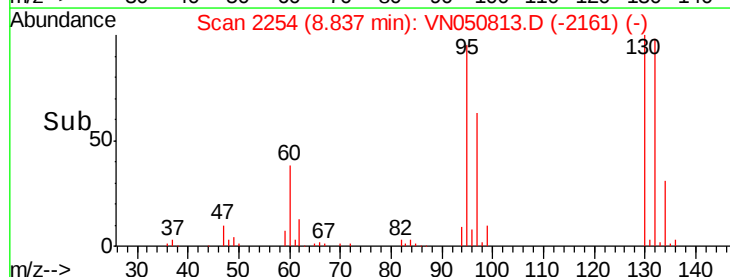
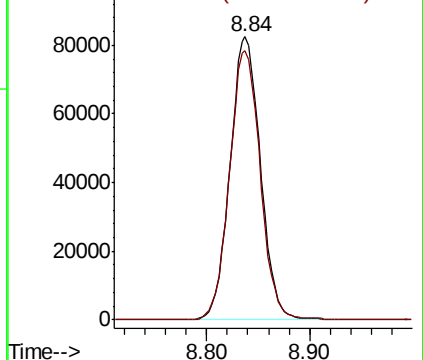
130 100

95 95.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

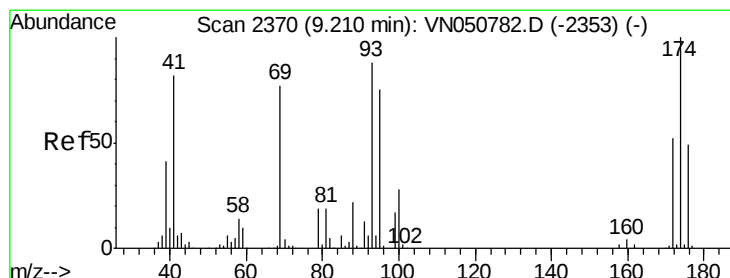
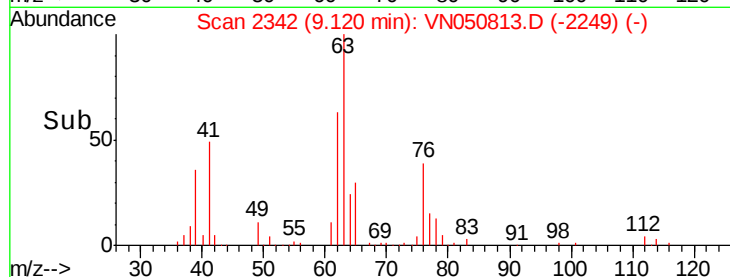
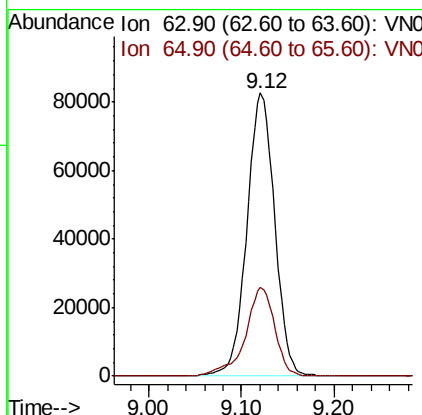
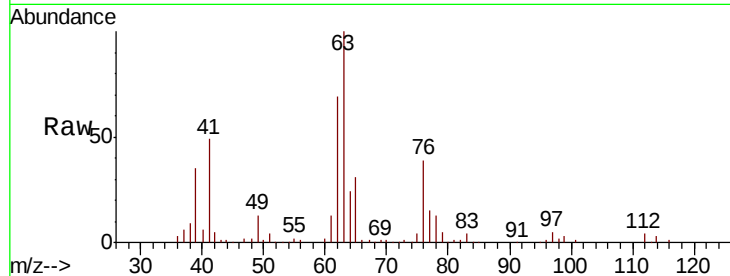




#45
 1,2-Dichloropropane
 Concen: 20.59 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

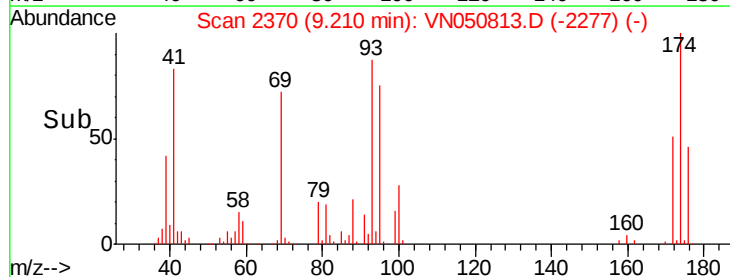
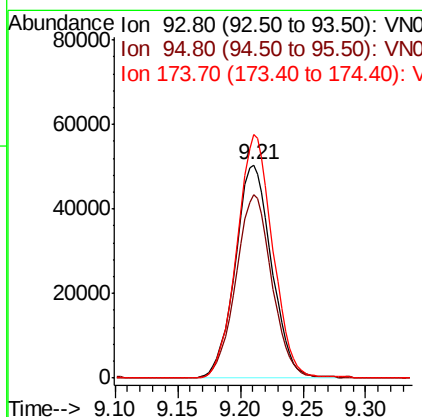
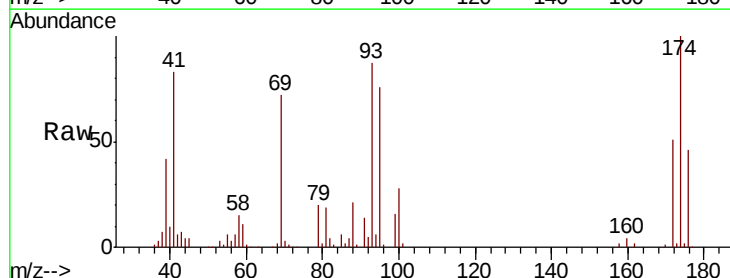
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion: 63 Resp: 172188
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 20.71 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion: 93 Resp: 101778
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.7 100.1
 174 112.4 89.8 134.6





#47

Bromodichloromethane

Concen: 20.56 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

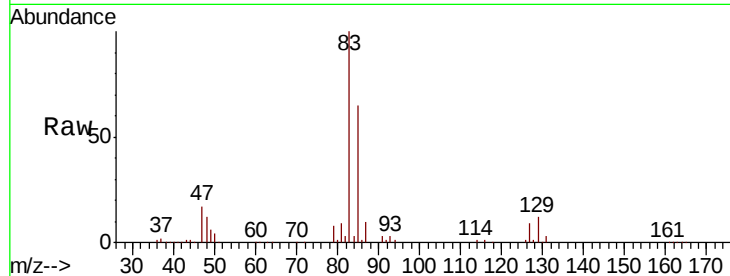
Tot Ion: 83 Resp: 211599

Ion Ratio Lower Upper

83 100

85 65.5 52.6 78.8

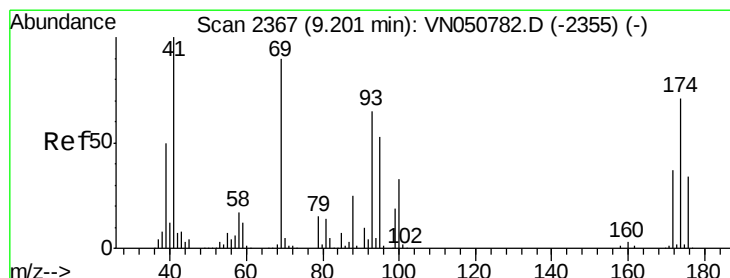
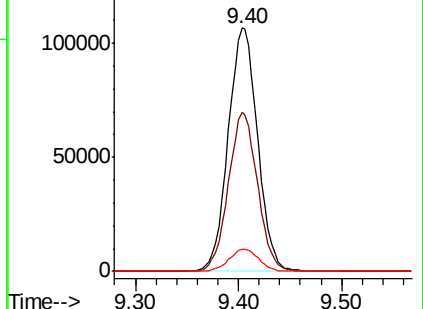
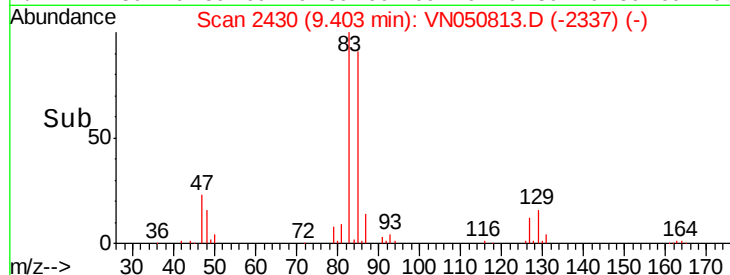
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050813.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050813.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050813.D (-2337) (-)



#48

Methyl methacrylate

Concen: 21.31 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

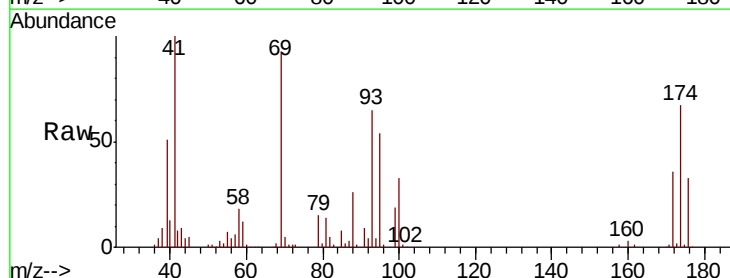
Tgt Ion: 41 Resp: 113203

Ion Ratio Lower Upper

41 100

69 92.0 74.7 112.1

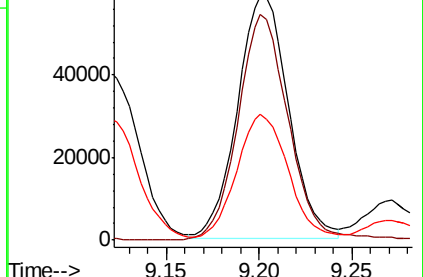
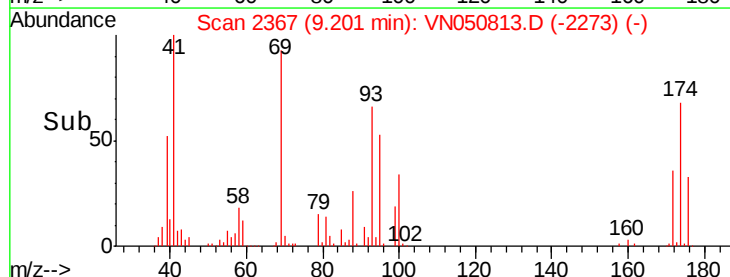
39 51.8 42.2 63.2

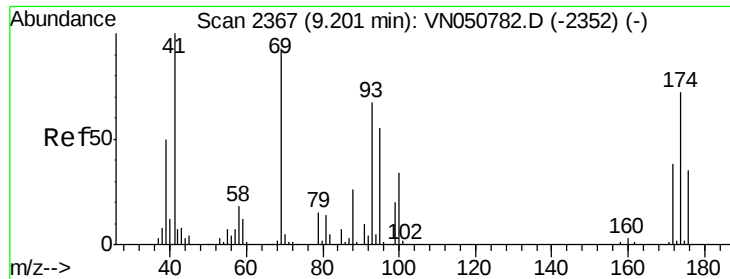


Abundance Ion 41.00 (40.70 to 41.70): VN050813.D (-2273) (-)

Ion 69.00 (68.70 to 69.70): VN050813.D (-2273) (-)

Ion 39.00 (38.70 to 39.70): VN050813.D (-2273) (-)





#49

1,4-Dioxane

Concen: 438.62 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

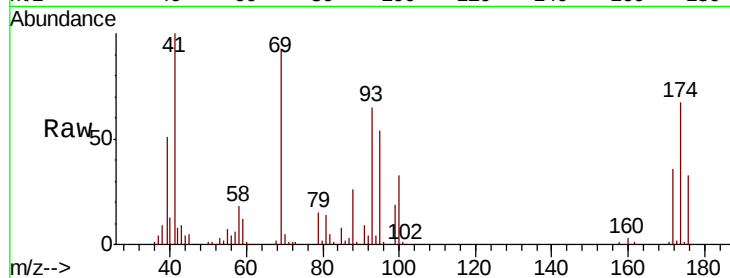
Tot Ion: 88 Resp: 31765

Ion Ratio Lower Upper

88 100

43 29.6 25.9 38.9

58 69.1 55.0 82.4

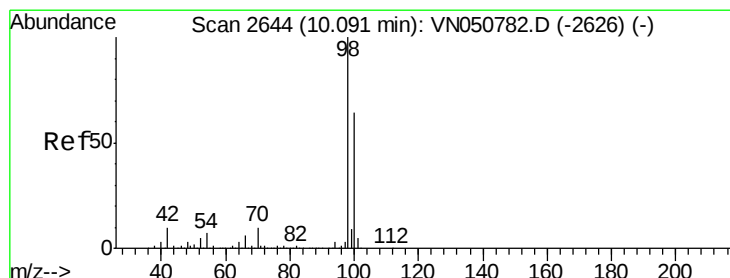
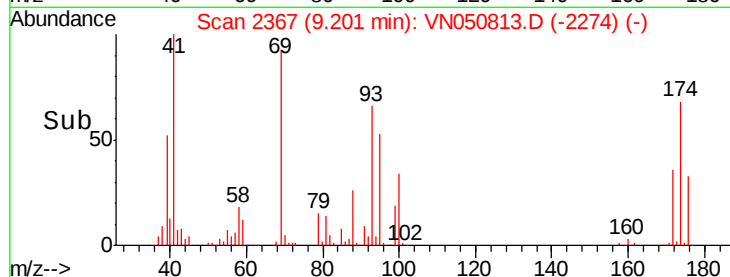
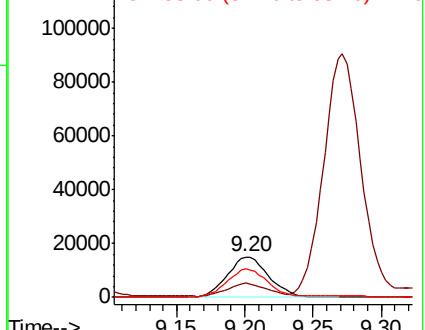


Abundance

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: 51.41 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050813.D

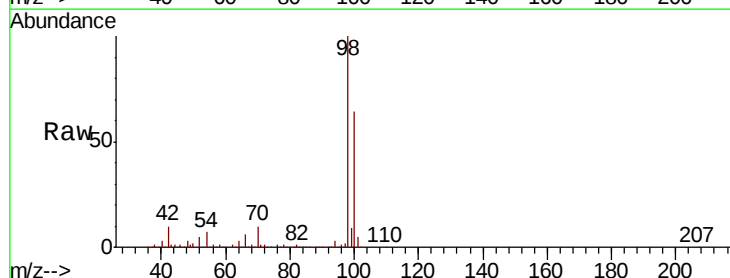
Acq: 22 Aug 2018 12:34

Tgt Ion: 98 Resp: 1367600

Ion Ratio Lower Upper

98 100

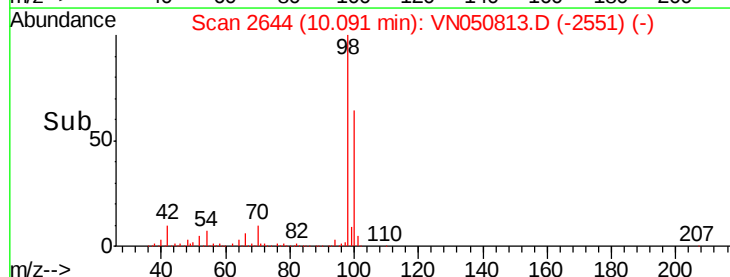
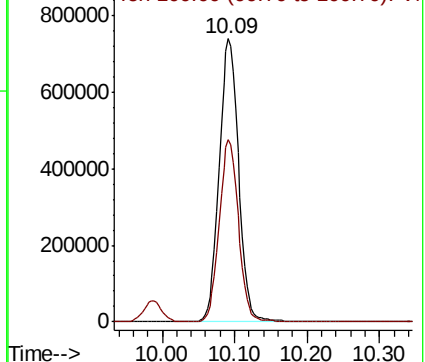
100 64.1 51.5 77.3

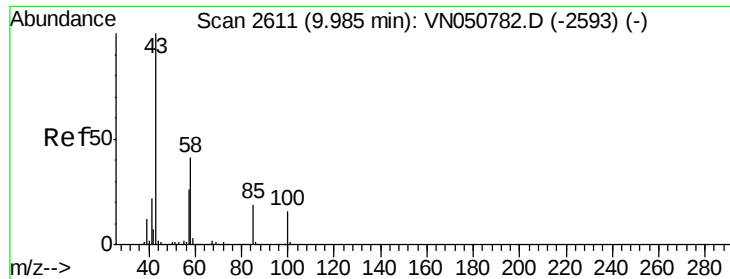


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

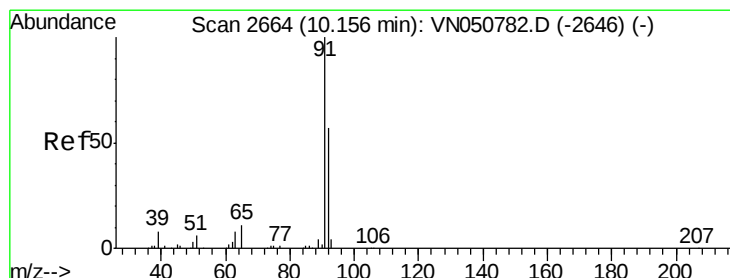
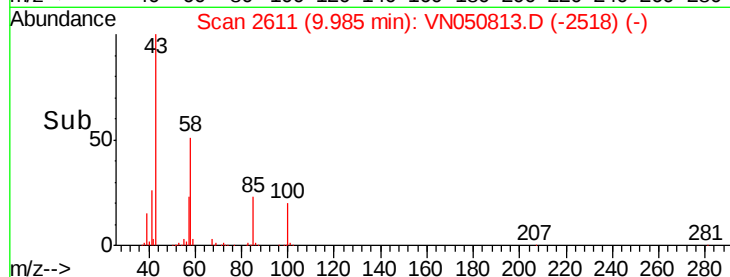
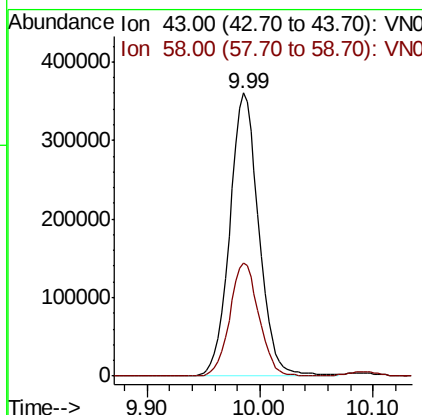
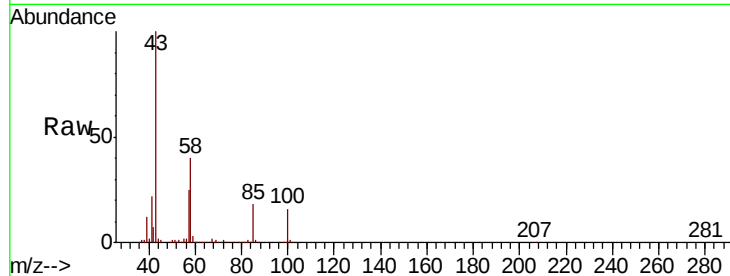




#51
 4-Methyl-2-Pentanone
 Concen: 103.24 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

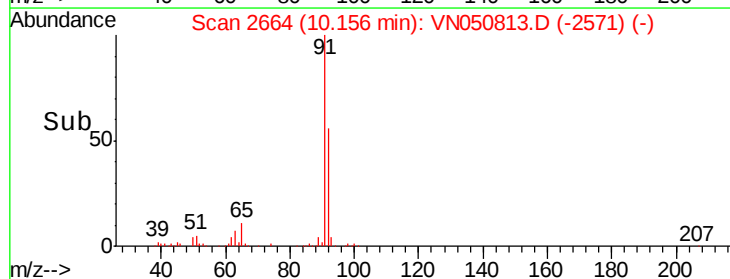
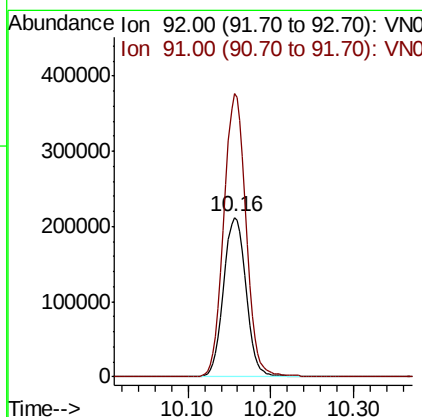
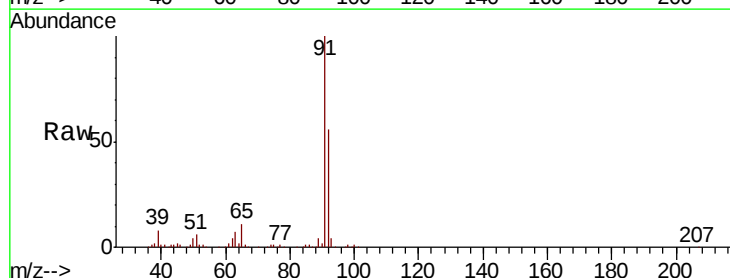
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

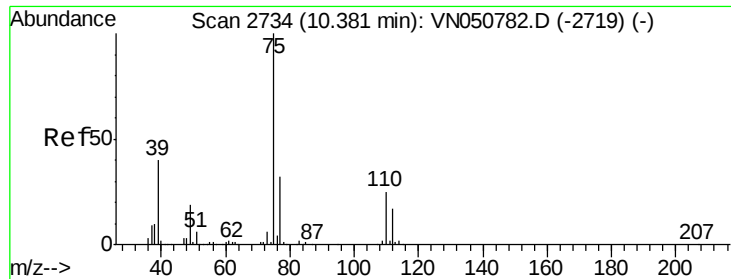
Tot Ion: 43 Resp: 642229
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.4 48.6



#52
 Toluene
 Concen: 21.26 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion: 92 Resp: 400893
 Ion Ratio Lower Upper
 92 100
 91 174.9 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.79 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

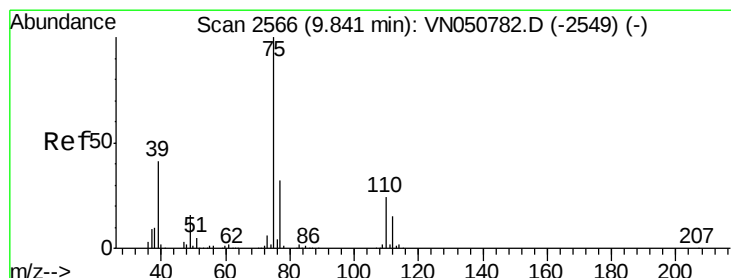
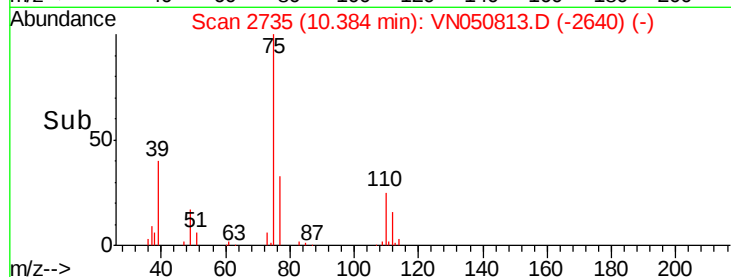
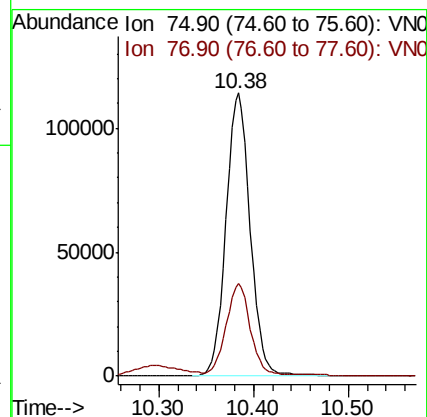
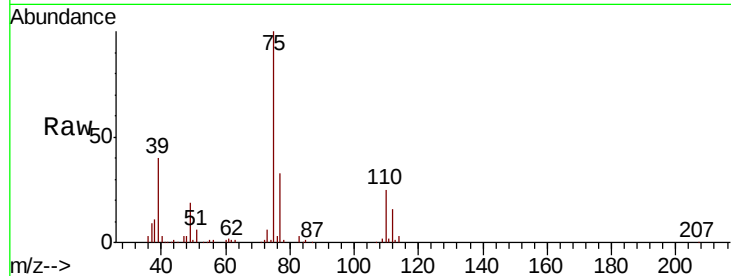
VN0822WBS01

Tot Ion: 75 Resp: 202757

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.50 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

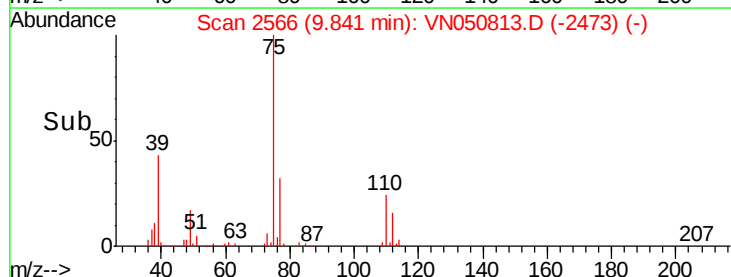
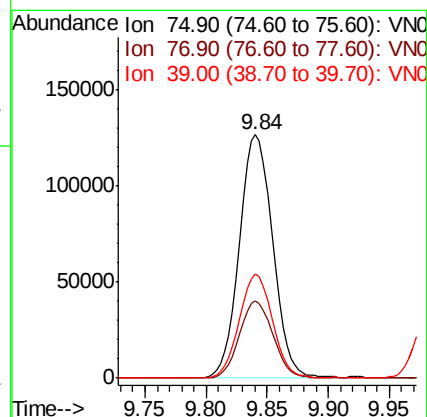
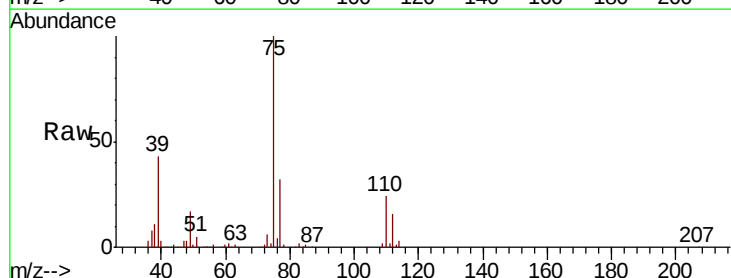
Tgt Ion: 75 Resp: 240489

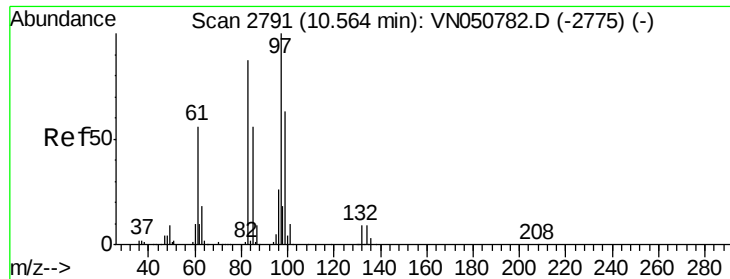
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

39 42.5 33.0 49.4

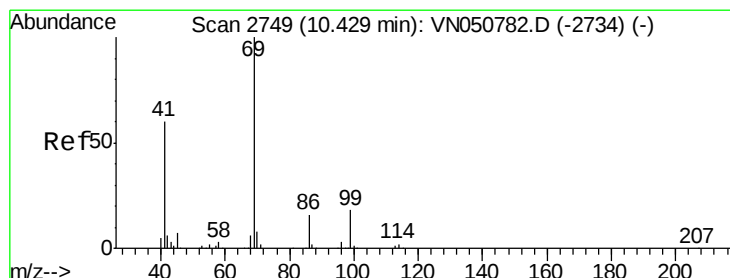
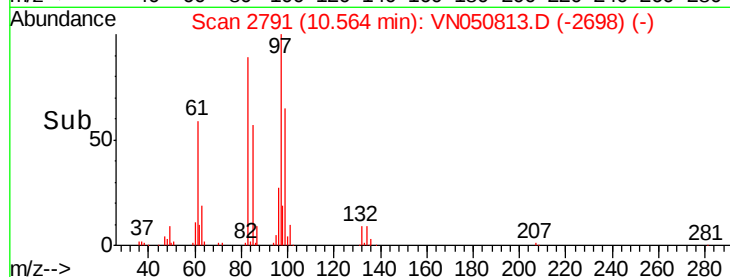
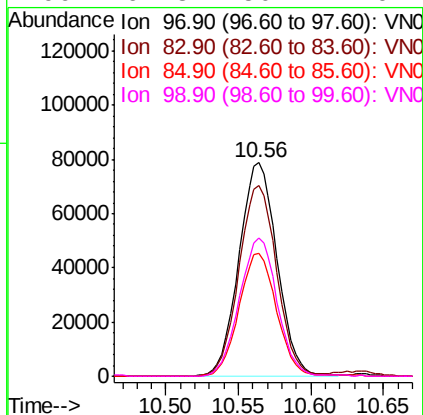
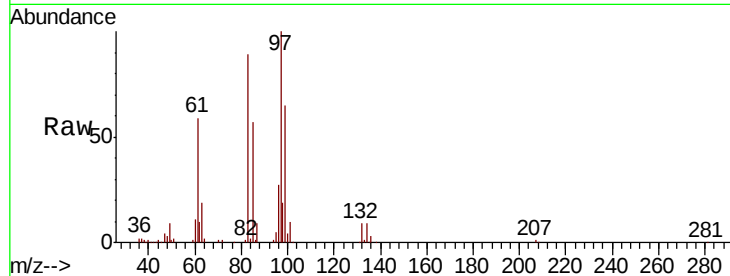




#55
 1,1,2-Trichloroethane
 Concen: 20.62 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

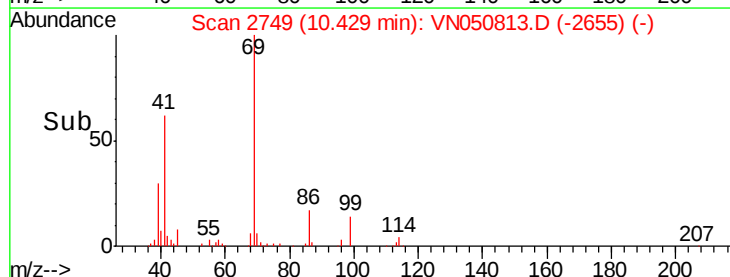
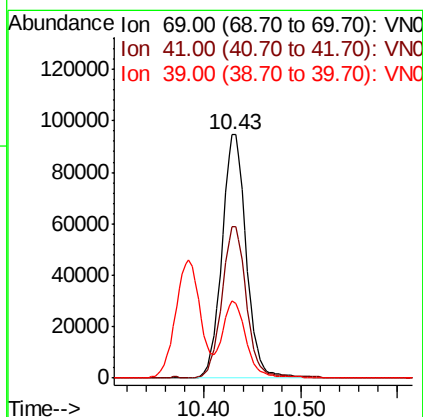
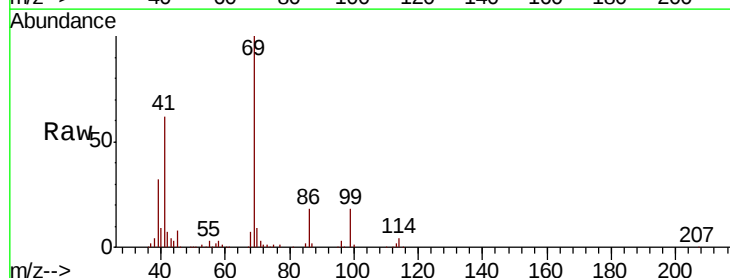
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

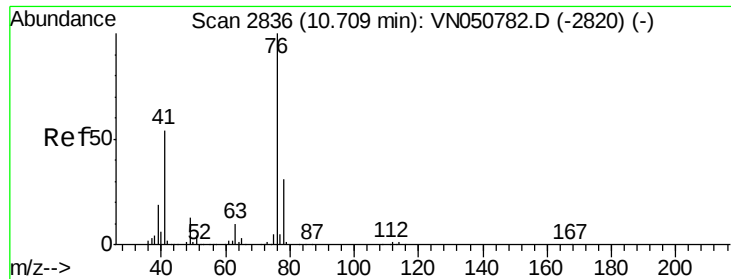
Tot Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.7	104.5
85	57.3	44.5	66.7
99	64.8	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 19.60 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	48.3	72.5
39	30.7	24.0	36.0

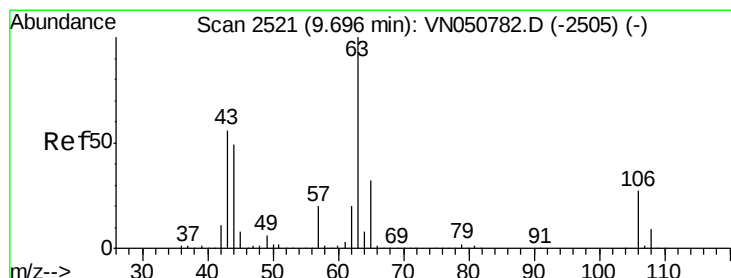
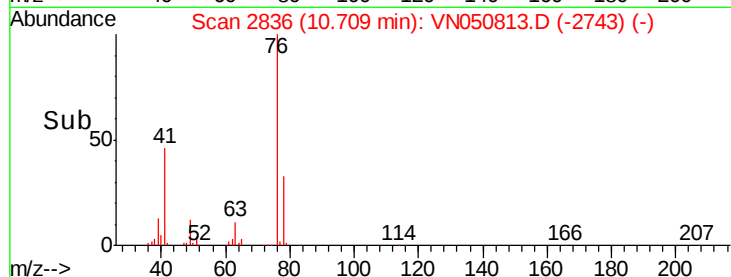
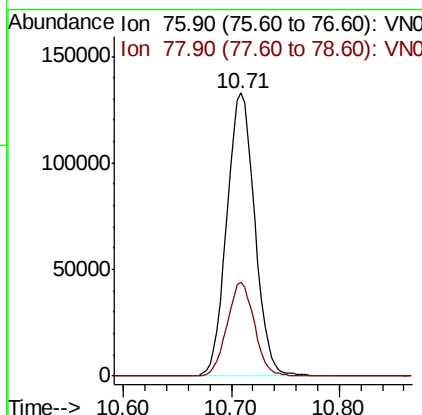
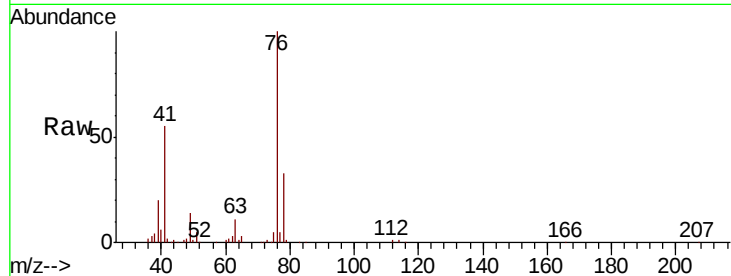




#57
 1,3-Dichloropropane
 Concen: 20.87 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

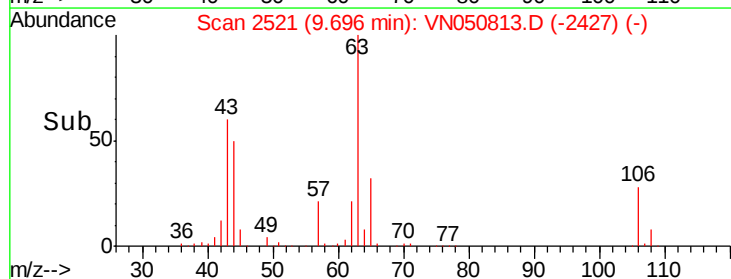
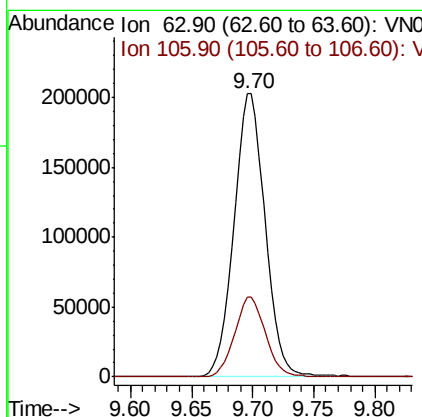
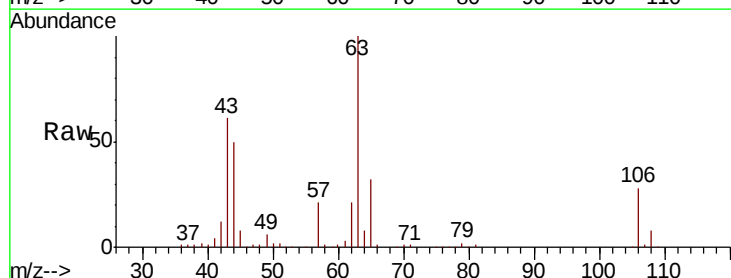
Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBS01

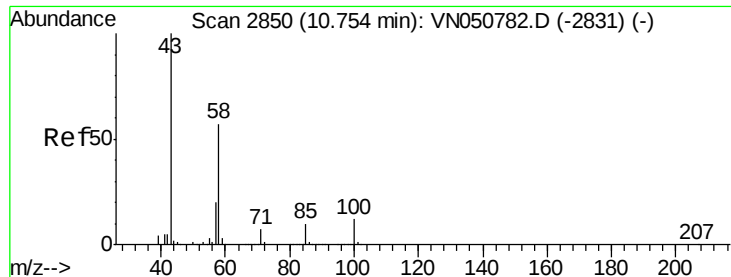
Tot Ion: 76 Resp: 241029
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.24 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion: 63 Resp: 359209
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.9 32.9

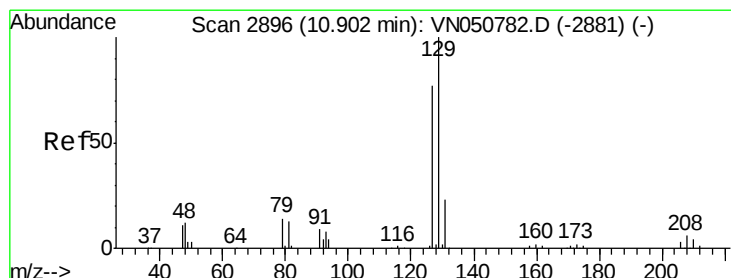
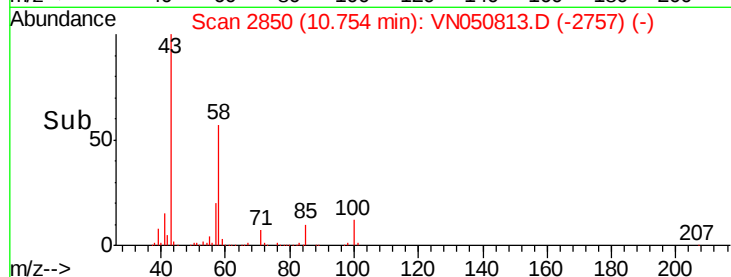
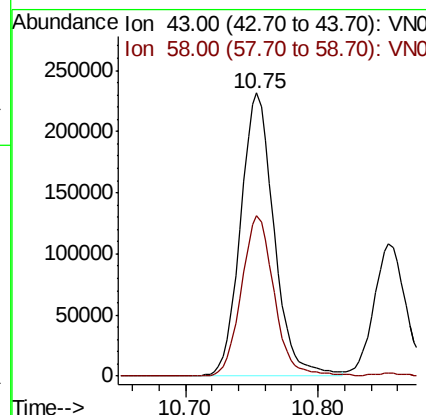
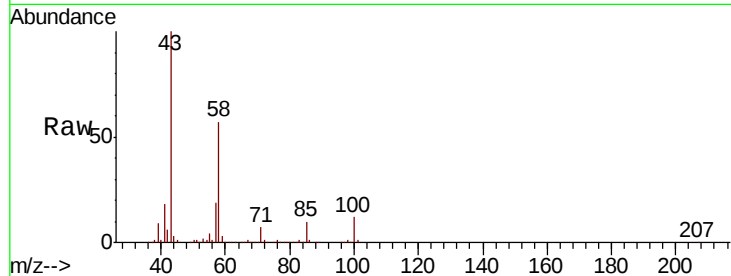




#59
2-Hexanone
Concen: 97.65 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

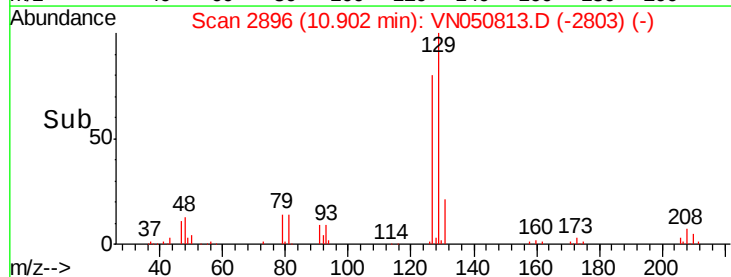
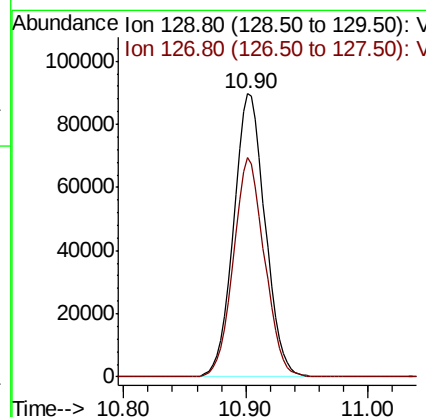
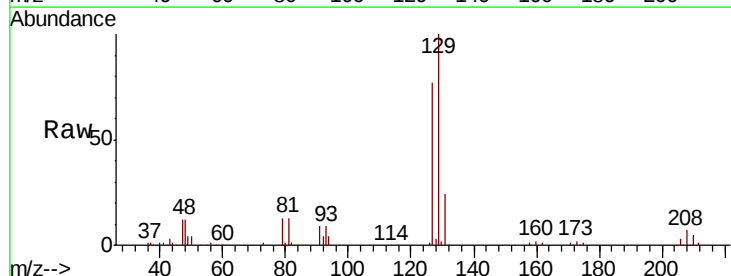
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

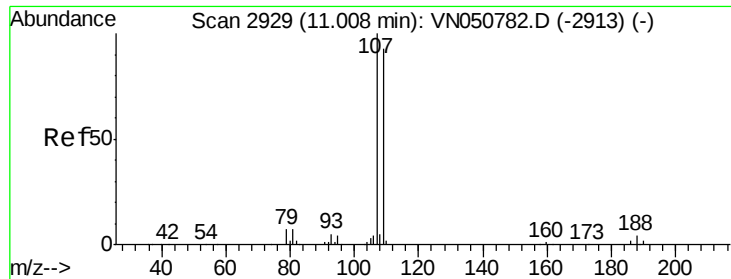
Tot Ion: 43 Resp: 404372
Ion Ratio Lower Upper
43 100
58 55.8 28.3 85.0



#60
Dibromochloromethane
Concen: 20.59 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 129 Resp: 161291
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9

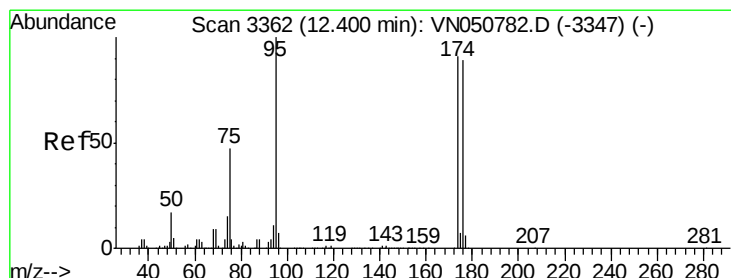
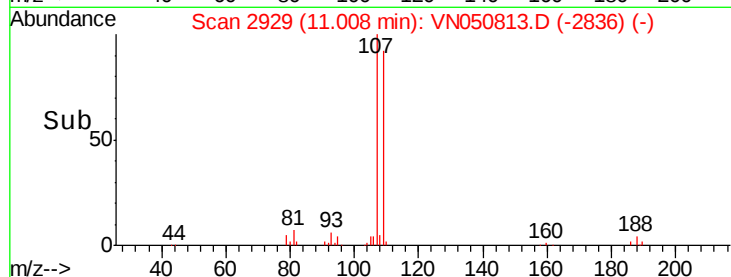
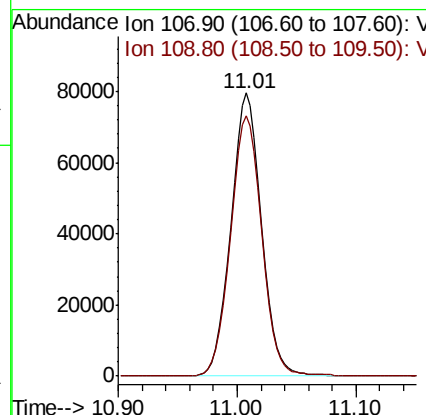
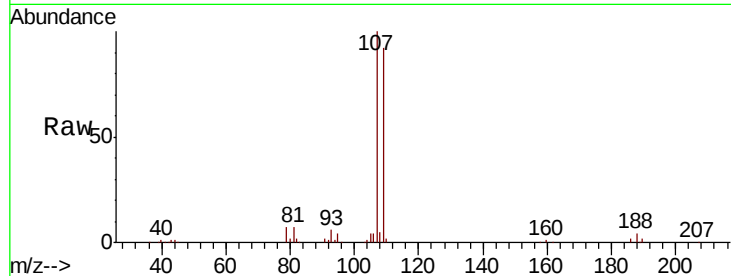




#61
 1,2-Dibromoethane
 Concen: 20.83 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

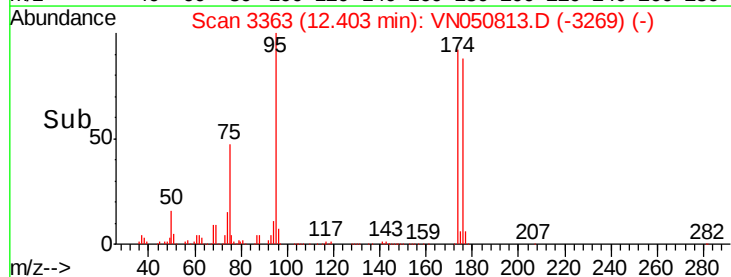
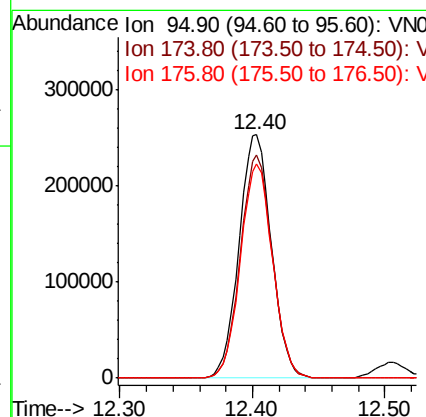
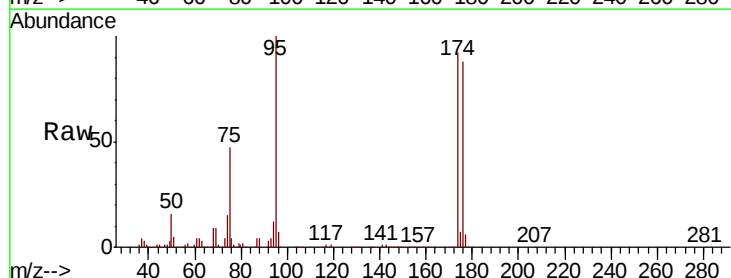
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

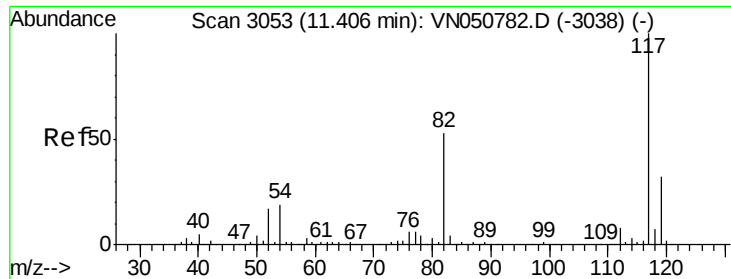
Tot Ion:107 Resp: 140951
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.46 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion: 95 Resp: 428373
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 183.0
 176 87.6 0.0 178.8

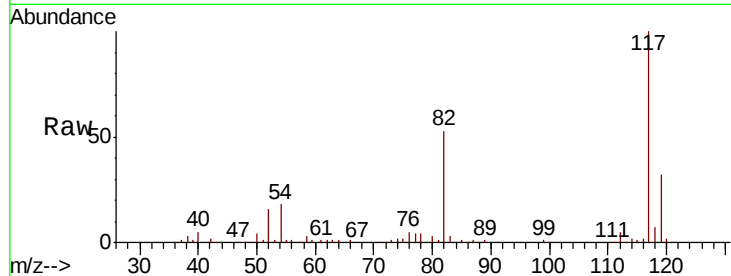




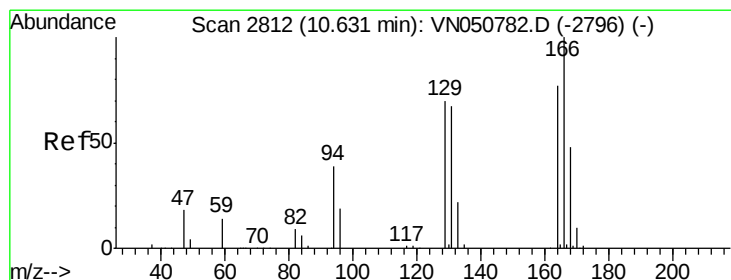
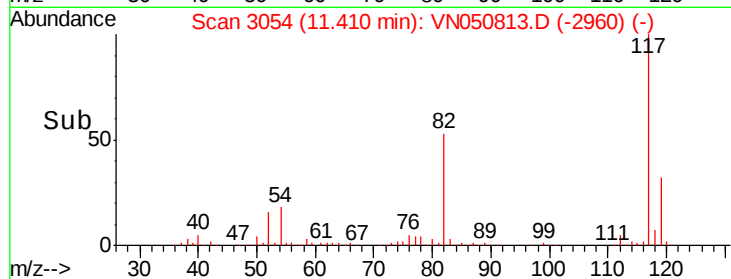
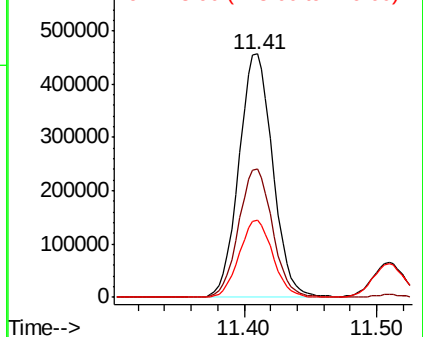
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion:117 Resp: 808729
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 31.7 25.8 38.6

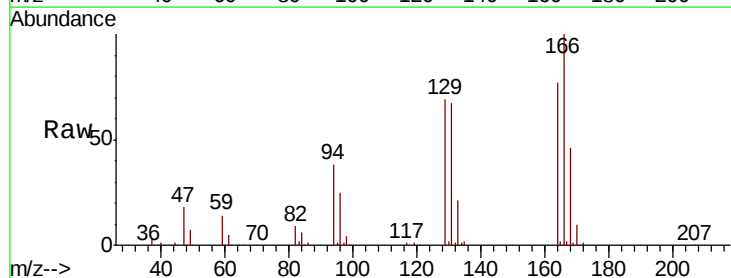


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

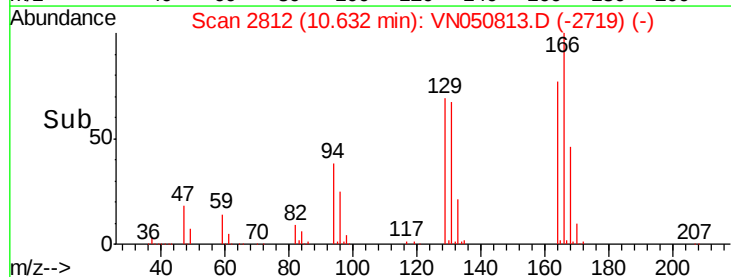
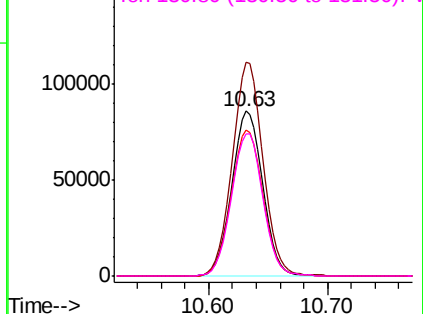


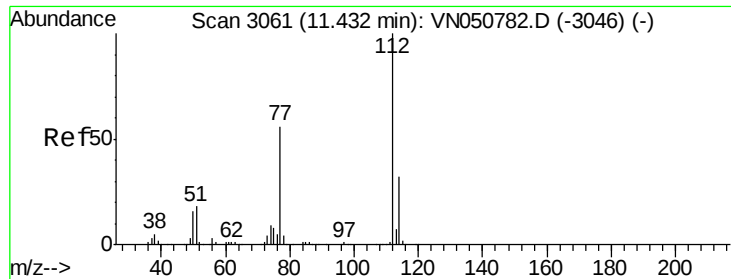
#64
Tetrachloroethene
Concen: 20.15 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion:164 Resp: 154804
Ion Ratio Lower Upper
164 100
166 129.7 103.5 155.3
129 89.0 72.7 109.1
131 86.4 69.5 104.3



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





#65

Chlorobenzene

Concen: 20.21 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

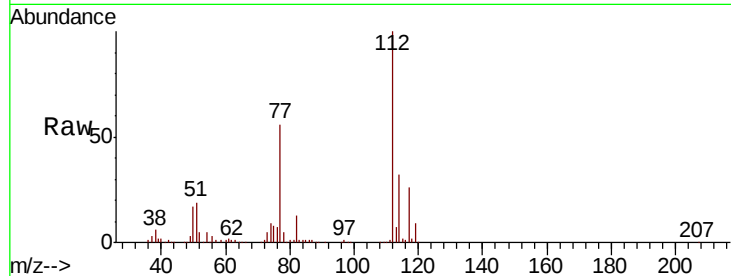
VN0822WBS01

Tot Ion:112 Resp: 427198

Ion Ratio Lower Upper

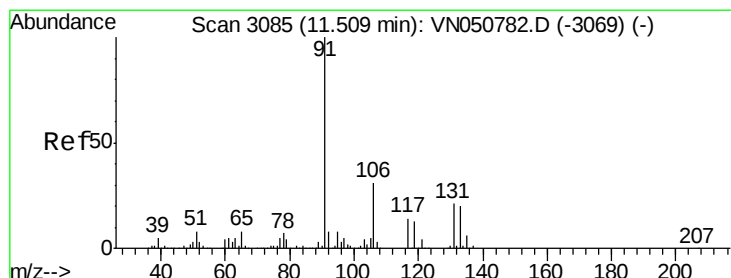
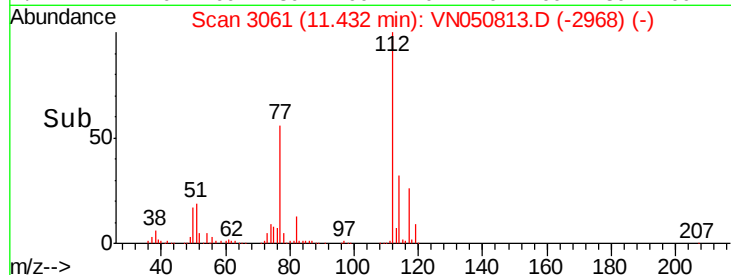
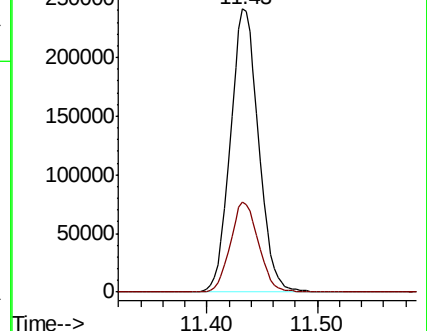
112 100

114 31.8 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.73 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

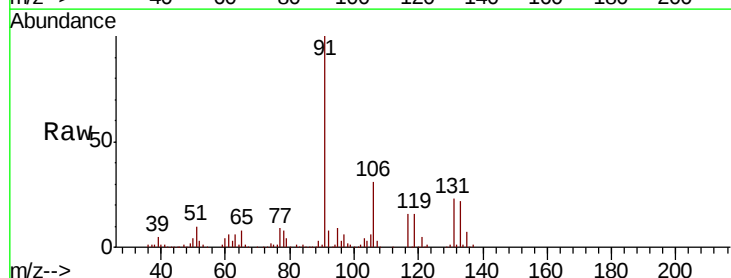
Tgt Ion:131 Resp: 160364

Ion Ratio Lower Upper

131 100

133 94.7 47.4 142.3

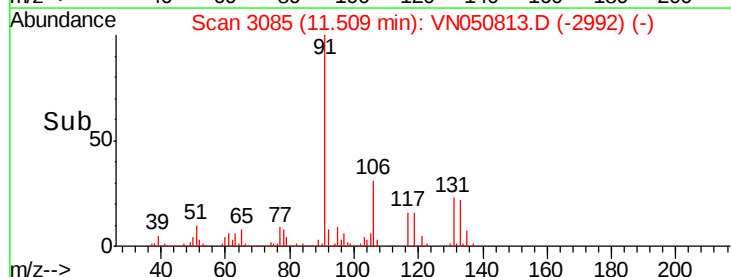
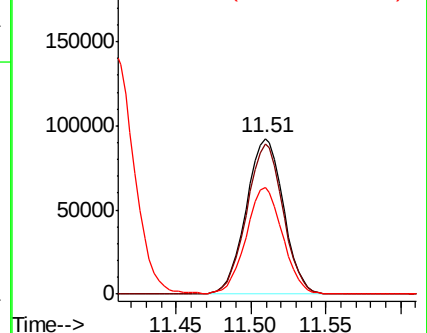
119 67.1 32.8 98.4

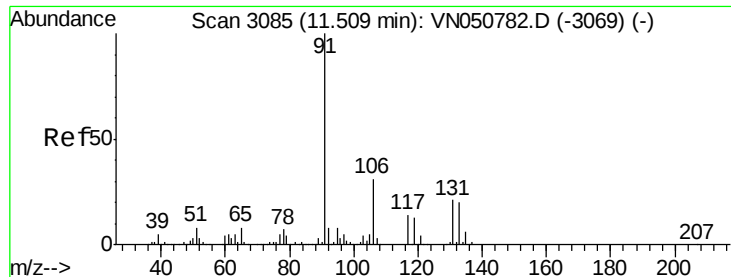


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

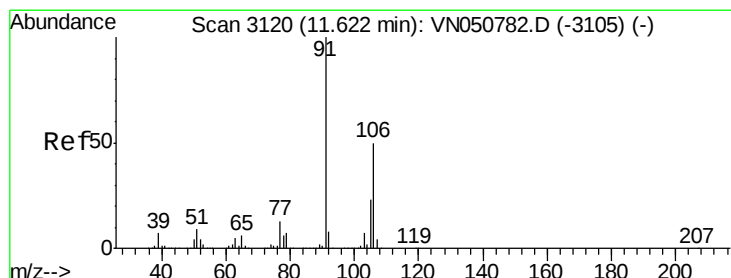
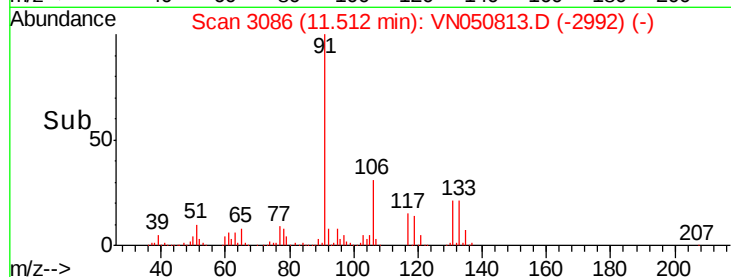
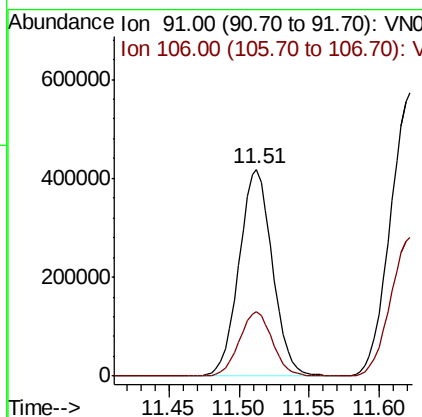
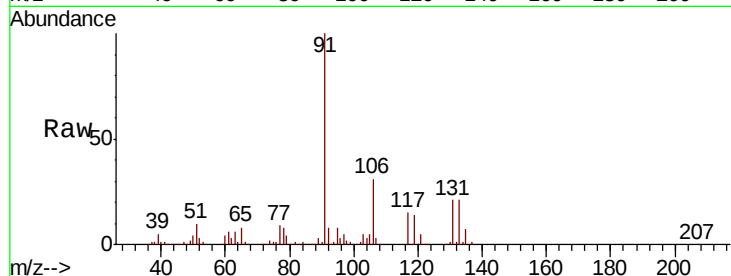




#67
Ethyl Benzene
Concen: 20.20 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

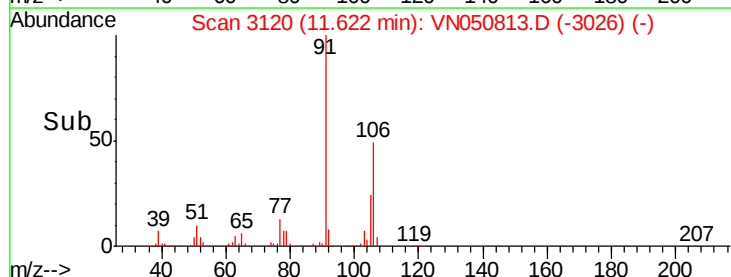
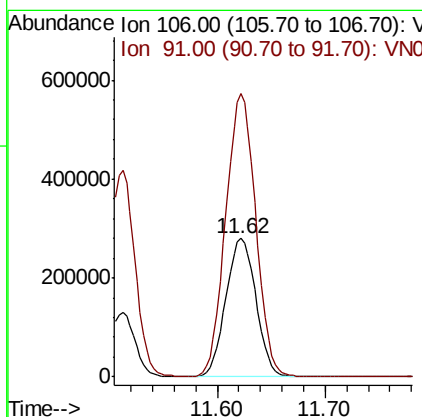
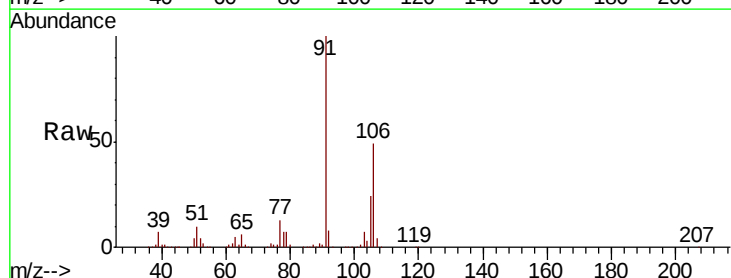
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

Tot Ion: 91 Resp: 694254
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



#68
m/p-Xylenes
Concen: 41.95 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 106 Resp: 547184
Ion Ratio Lower Upper
106 100
91 203.0 161.0 241.6

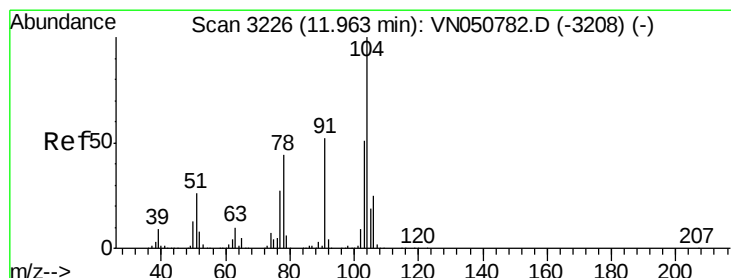
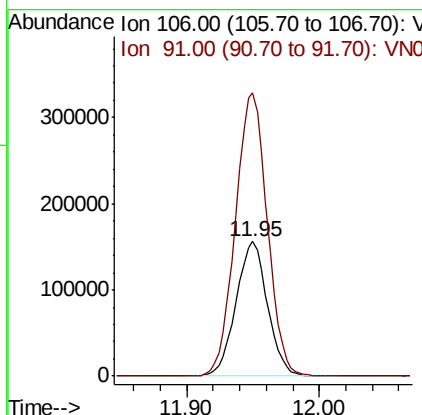
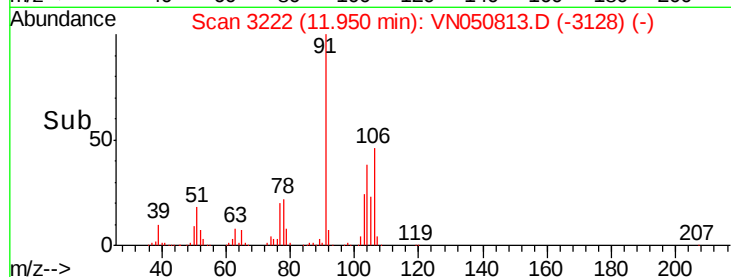
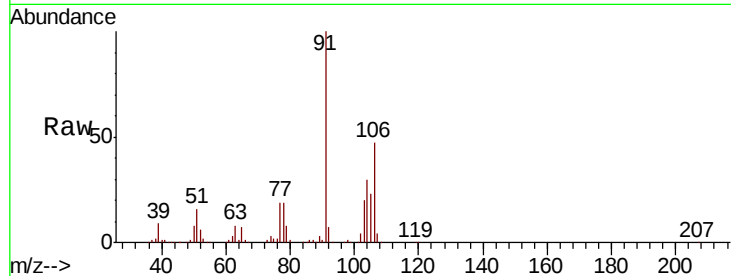




#69
o-Xylene
Concen: 20.48 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

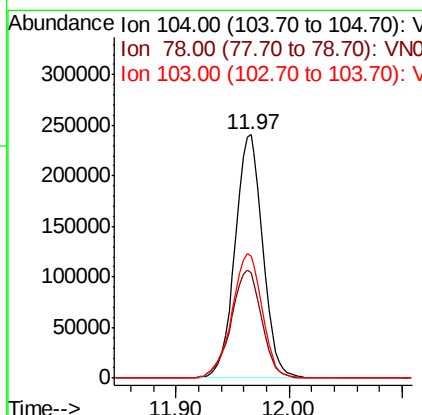
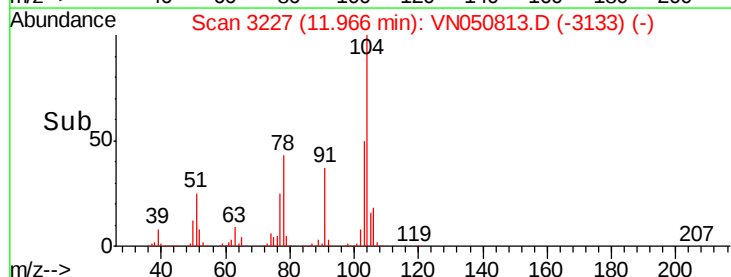
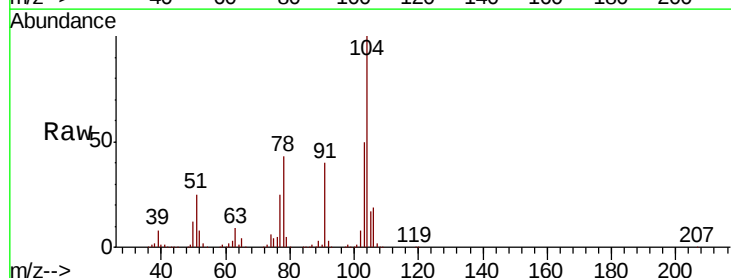
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

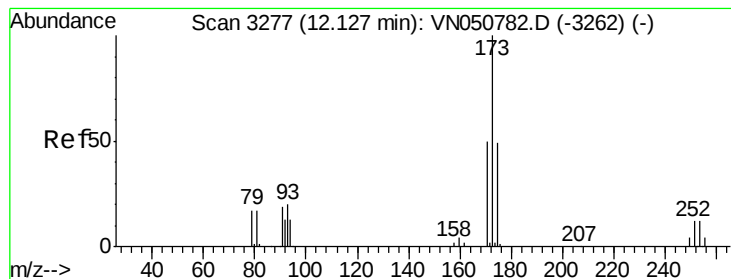
Tot Ion:106 Resp: 256830
Ion Ratio Lower Upper
106 100
91 213.9 106.5 319.5



#70
Styrene
Concen: 19.37 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion:104 Resp: 410401
Ion Ratio Lower Upper
104 100
78 48.9 38.2 57.4
103 55.9 44.4 66.6





#71

Bromoform

Concen: 20.75 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

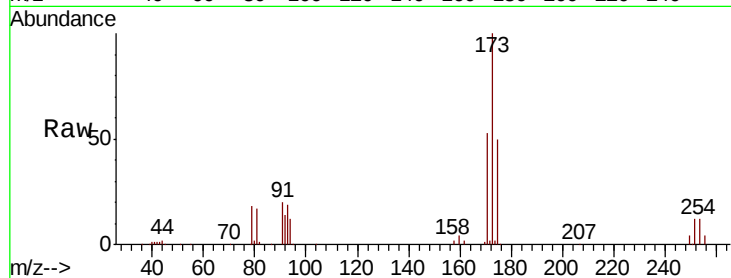
Tot Ion:173 Resp: 110375

Ion Ratio Lower Upper

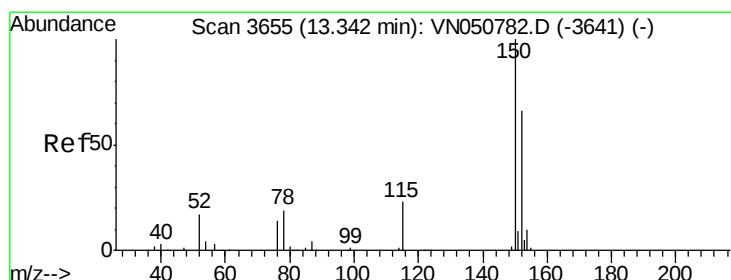
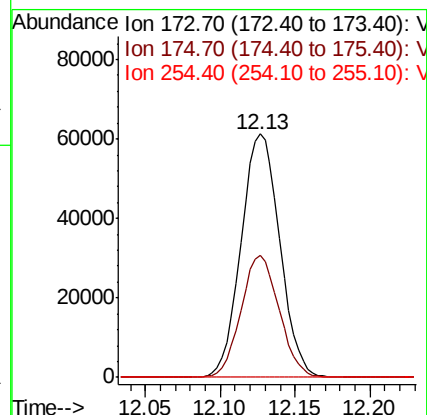
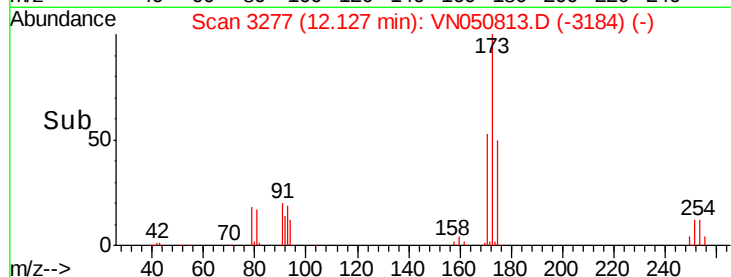
173 100

175 49.2 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: VN050813.D

Acq: 22 Aug 2018 12:34

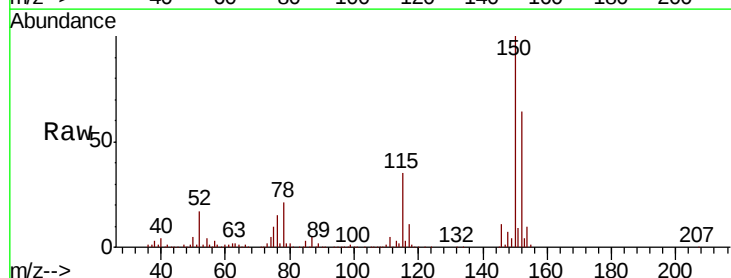
Tgt Ion:152 Resp: 384924

Ion Ratio Lower Upper

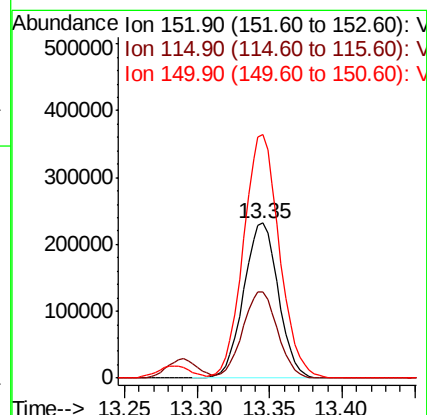
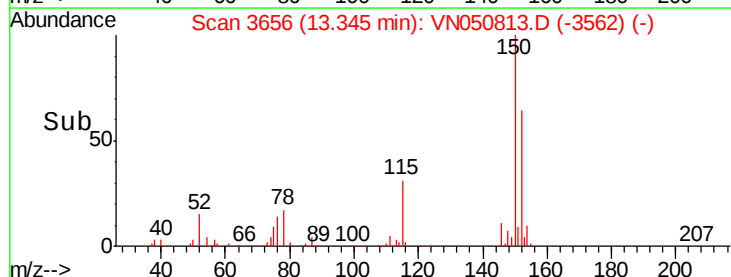
152 100

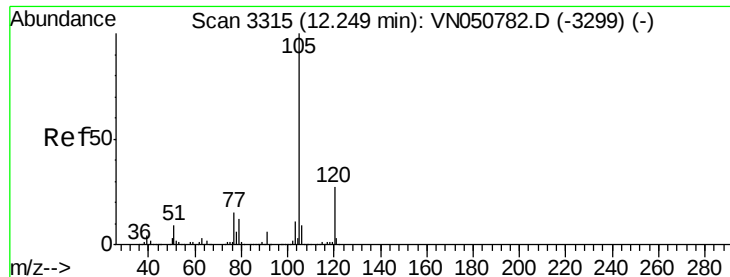
115 56.1 27.8 83.4

150 163.2 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: 21.39 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

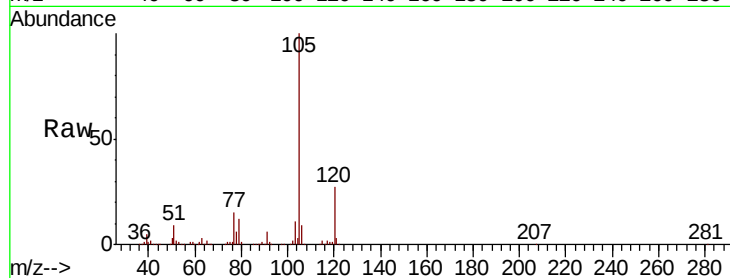
VN0822WBS01

Tot Ion:105 Resp: 681647

Ion Ratio Lower Upper

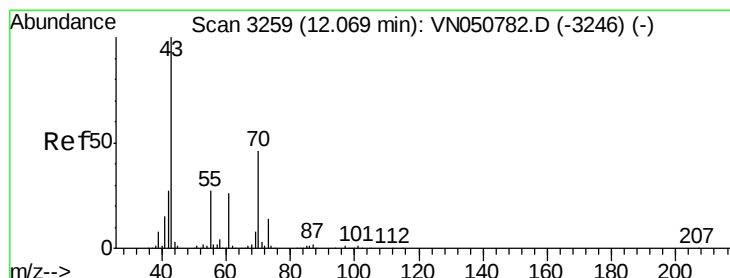
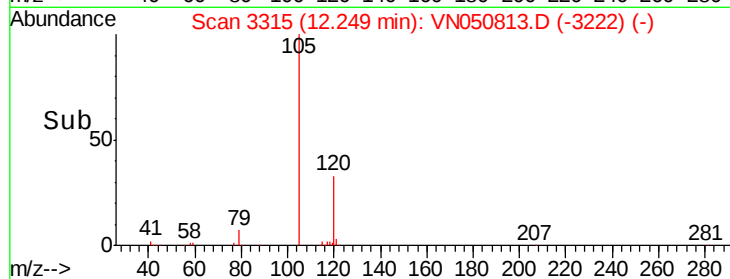
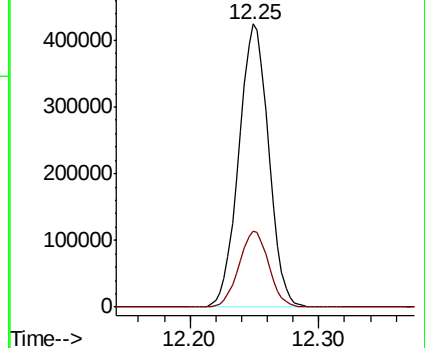
105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.25 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Tgt Ion: 43 Resp: 170175

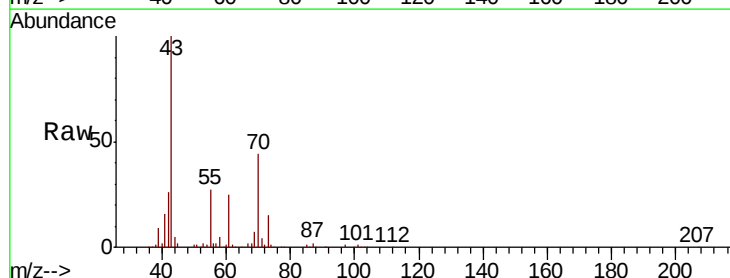
Ion Ratio Lower Upper

43 100

70 44.1 36.2 54.2

55 28.0 21.8 32.8

61 24.8 20.5 30.7

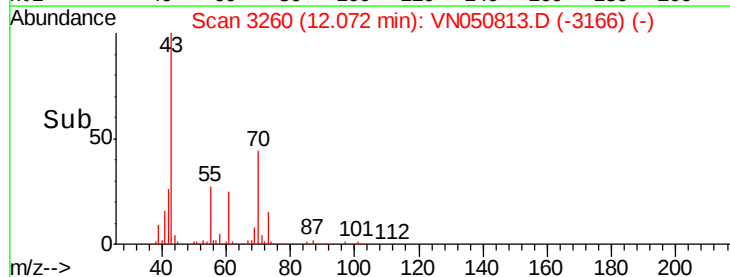
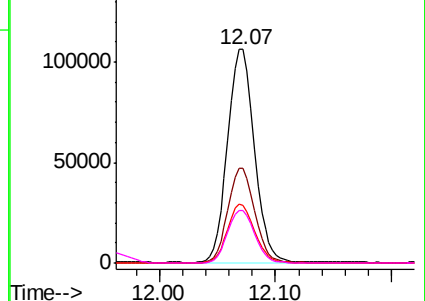


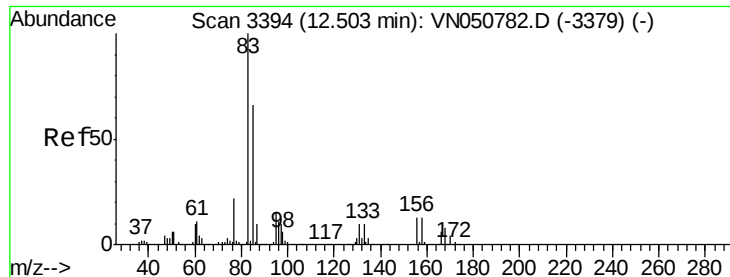
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.83 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

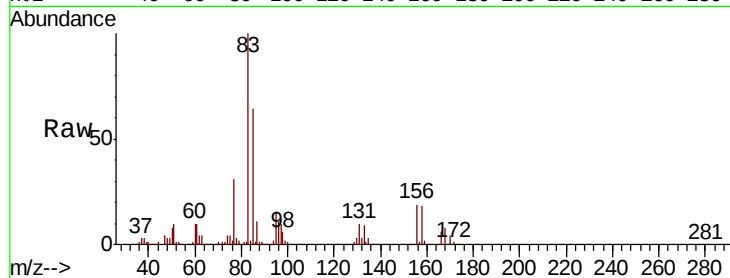
Tot Ion: 83 Resp: 180226

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

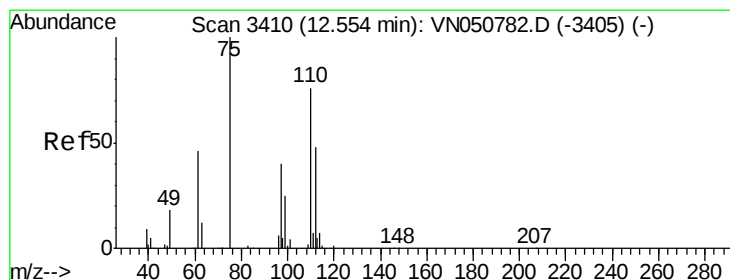
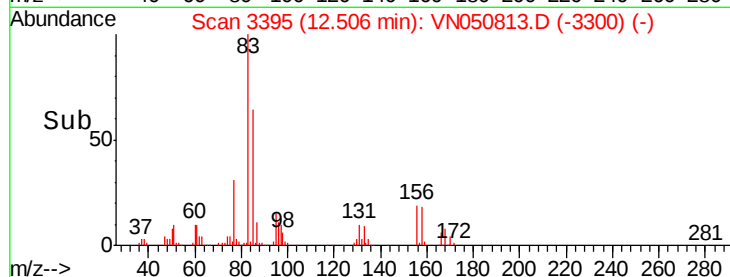
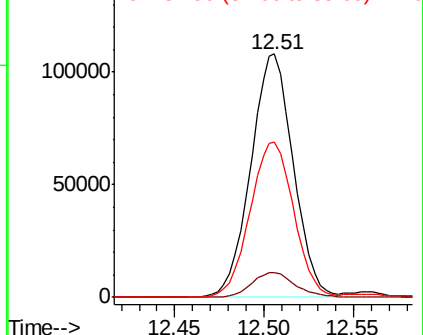
85 65.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.77 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050813.D

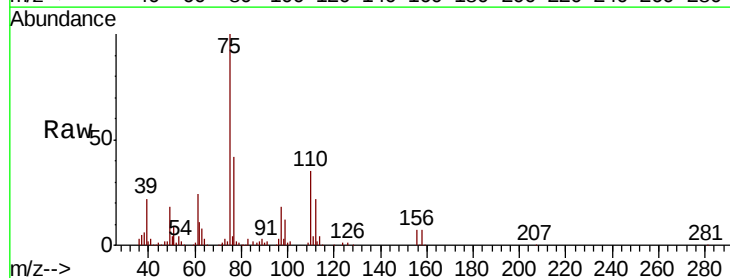
Acq: 22 Aug 2018 12:34

Tgt Ion: 75 Resp: 207436

Ion Ratio Lower Upper

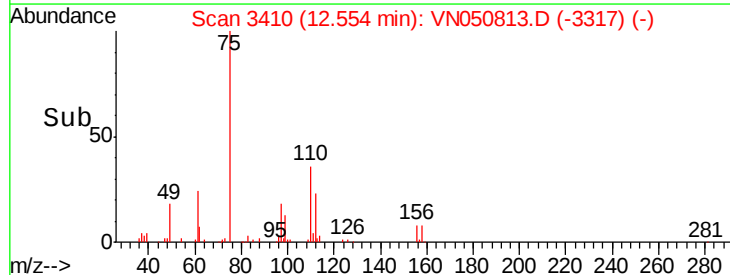
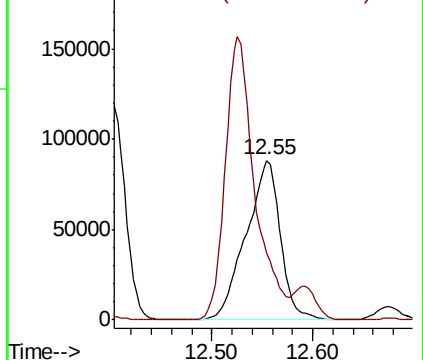
75 100

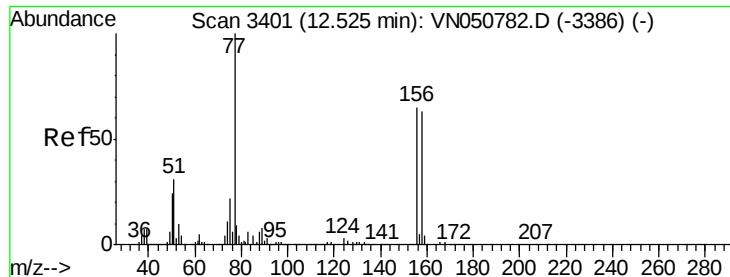
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.36 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

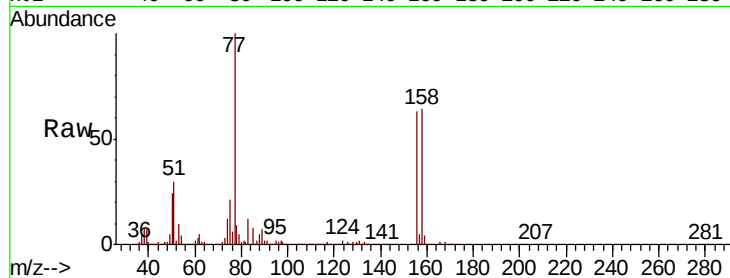
Tot Ion:156 Resp: 176401

Ion Ratio Lower Upper

156 100

77 181.9 89.9 269.7

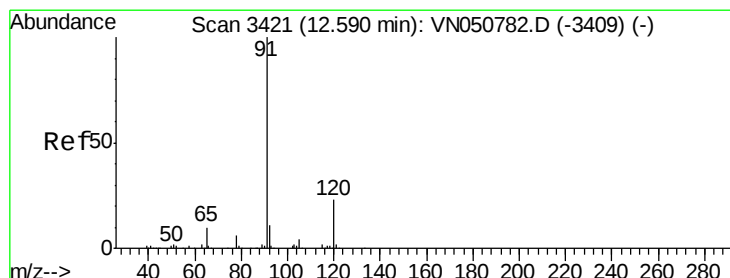
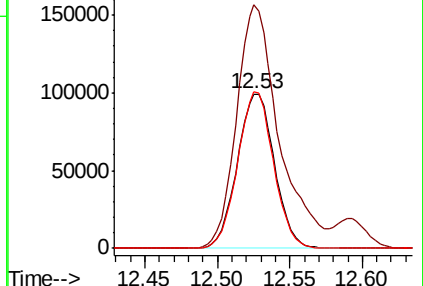
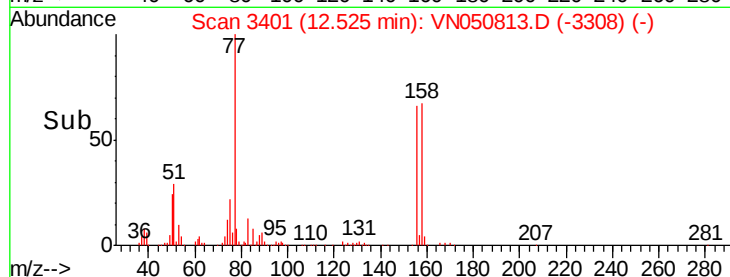
158 97.9 49.3 147.9



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: 21.63 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050813.D

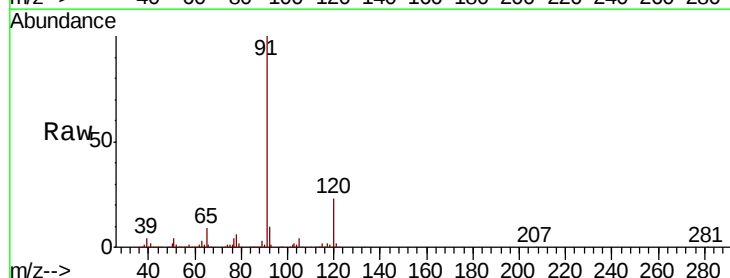
Acq: 22 Aug 2018 12:34

Tgt Ion: 91 Resp: 770128

Ion Ratio Lower Upper

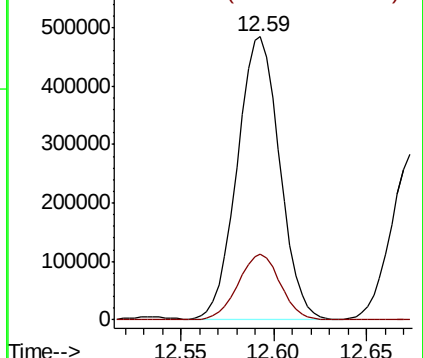
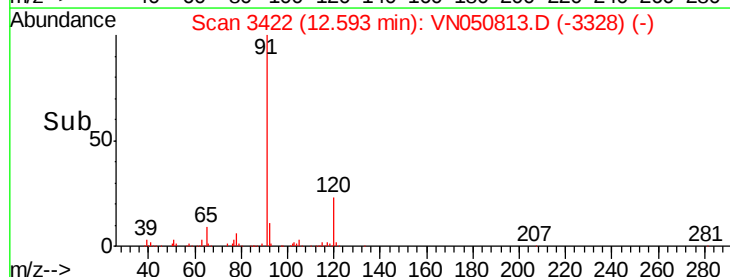
91 100

120 23.2 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: 21.14 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

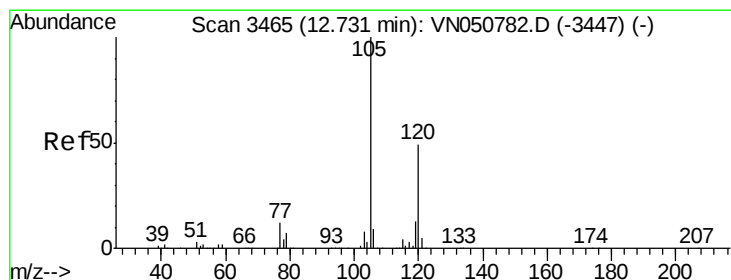
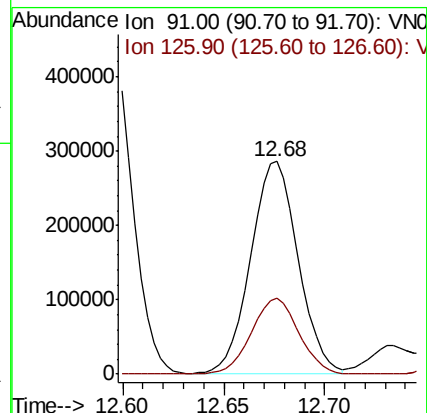
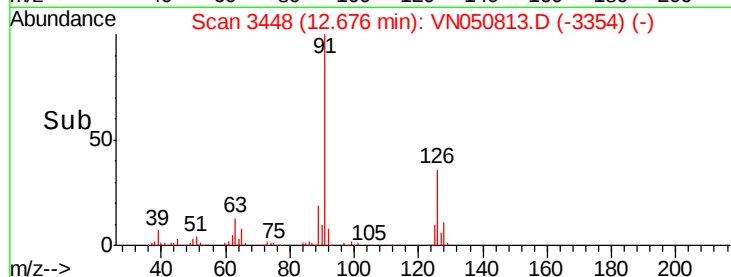
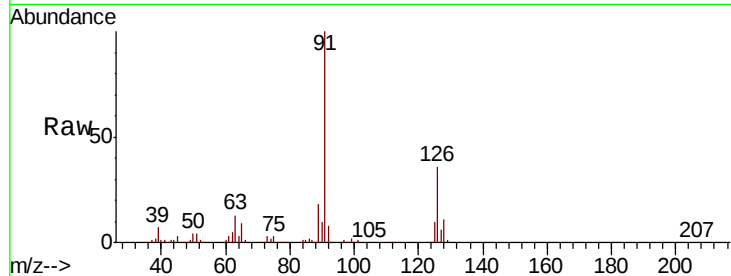
VN0822WBS01

Tot Ion: 91 Resp: 468828

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.89 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050813.D

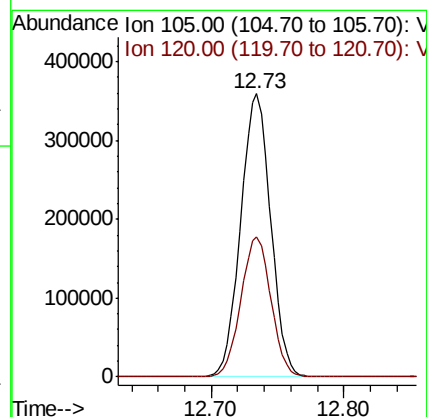
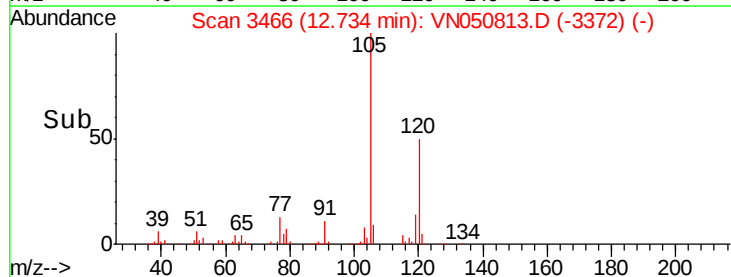
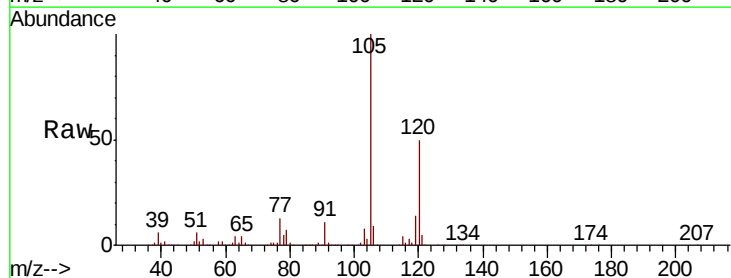
Acq: 22 Aug 2018 12:34

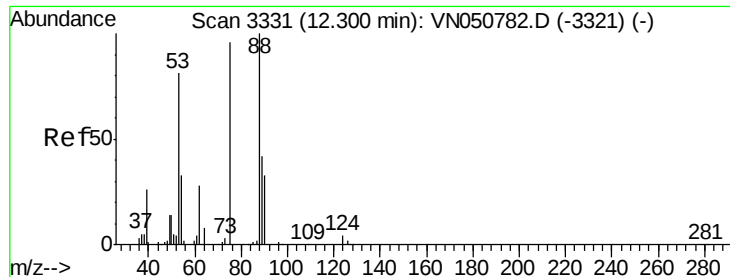
Tgt Ion: 105 Resp: 562883

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.36 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

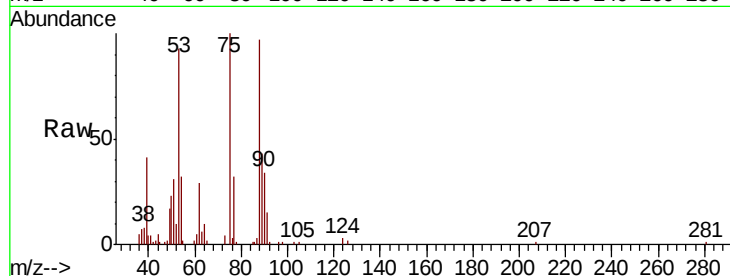
Tot Ion: 75 Resp: 40602

Ion Ratio Lower Upper

75 100

53 94.4 68.9 103.3

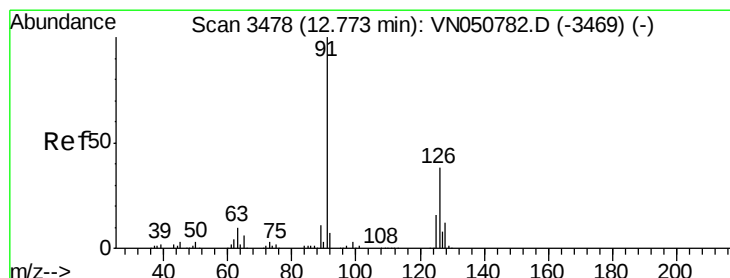
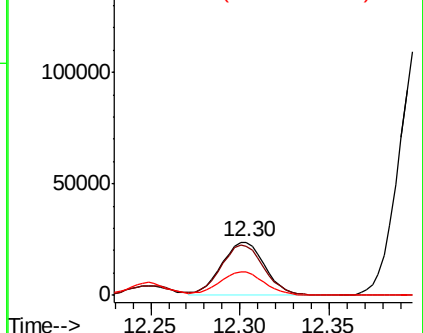
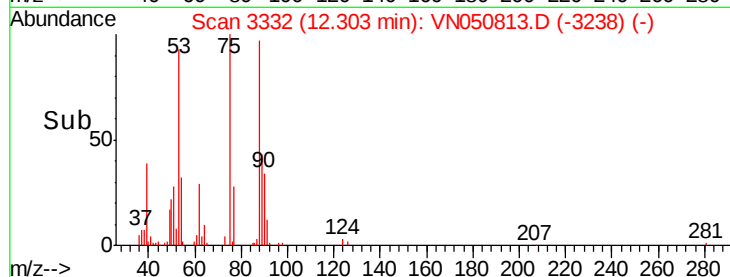
89 45.1 36.1 54.1



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: 21.47 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050813.D

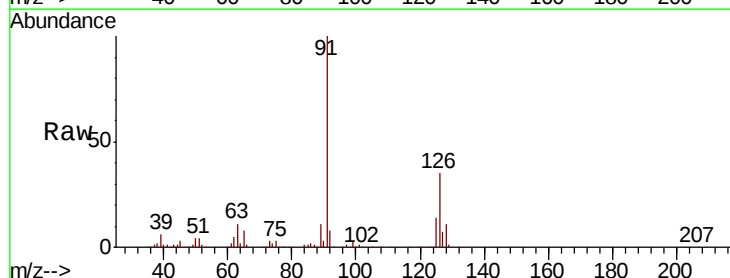
Acq: 22 Aug 2018 12:34

Tgt Ion: 91 Resp: 470155

Ion Ratio Lower Upper

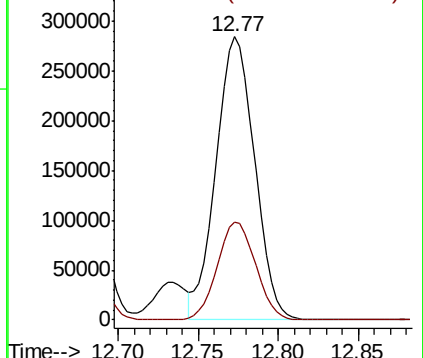
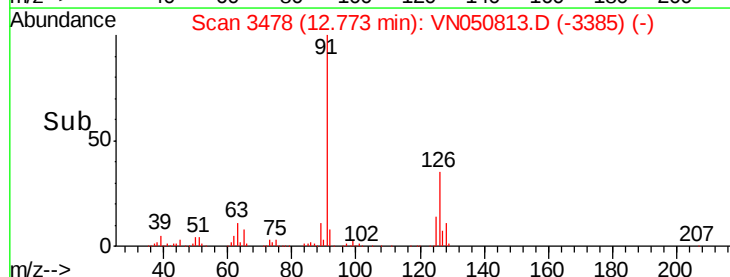
91 100

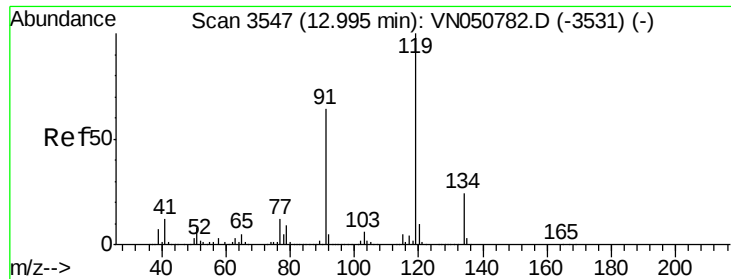
126 34.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

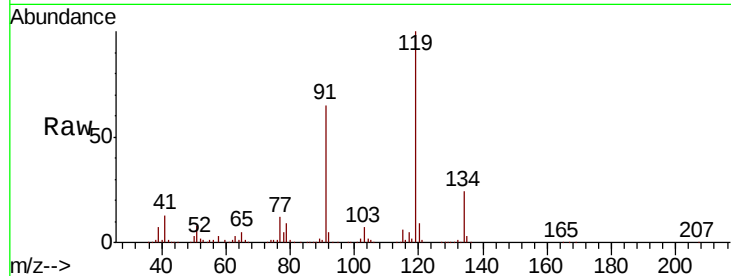




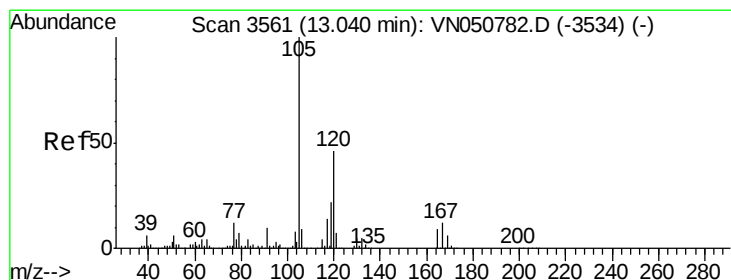
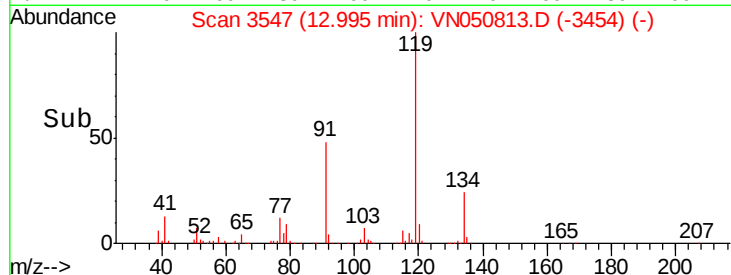
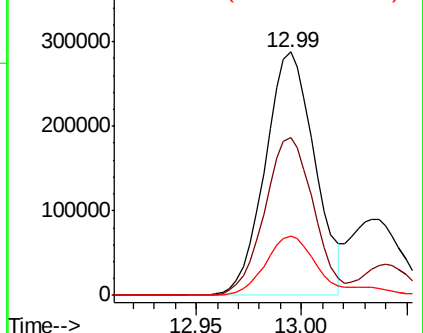
#83
 tert-Butylbenzene
 Concen: 21.15 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBS01

Tot Ion:119 Resp: 471049
 Ion Ratio Lower Upper
 119 100
 91 64.1 31.6 94.7
 134 24.6 13.4 40.1

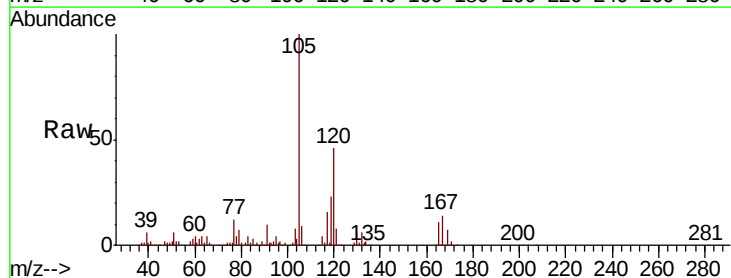


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

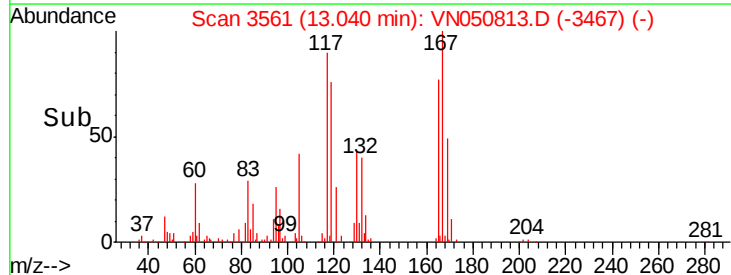
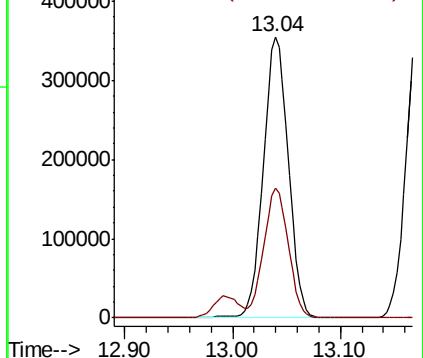


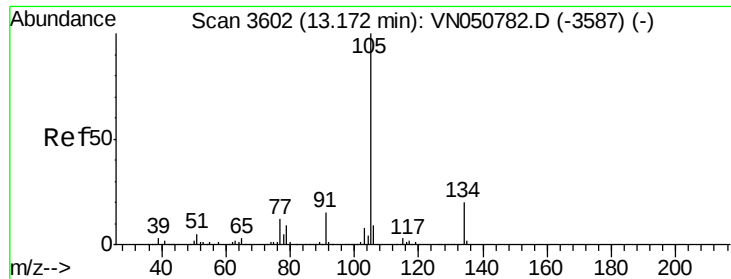
#84
 1,2,4-Trimethylbenzene
 Concen: 22.06 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion:105 Resp: 570652
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.46 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

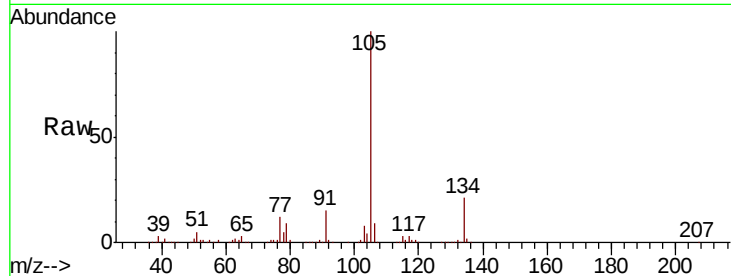
VN0822WBS01

Tot Ion:105 Resp: 626278

Ion Ratio Lower Upper

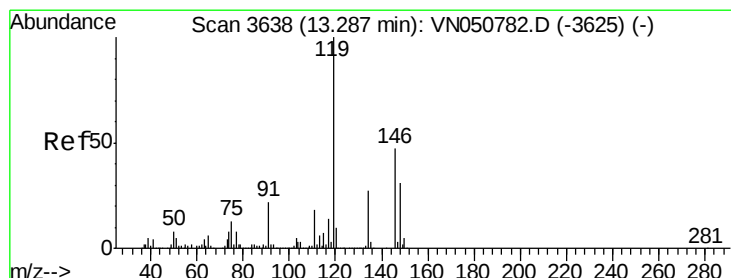
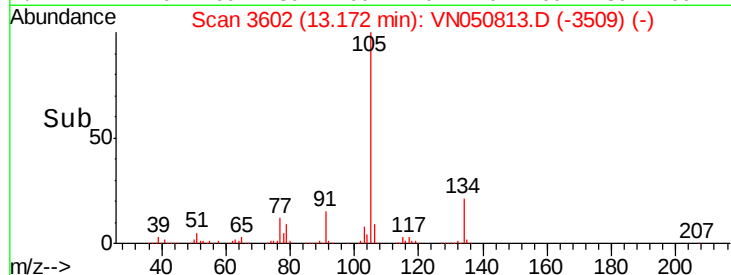
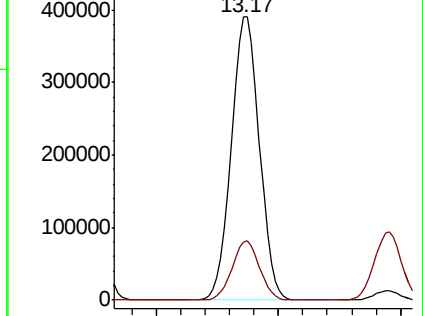
105 100

134 20.4 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.31 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

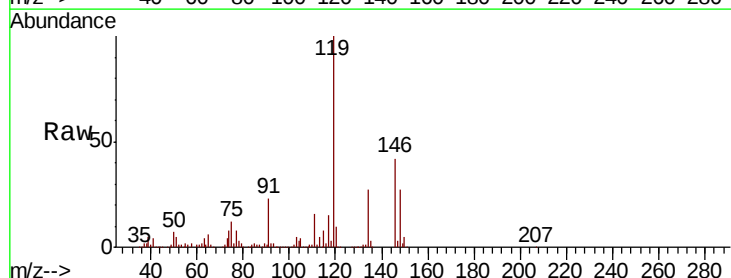
Tgt Ion:119 Resp: 529833

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

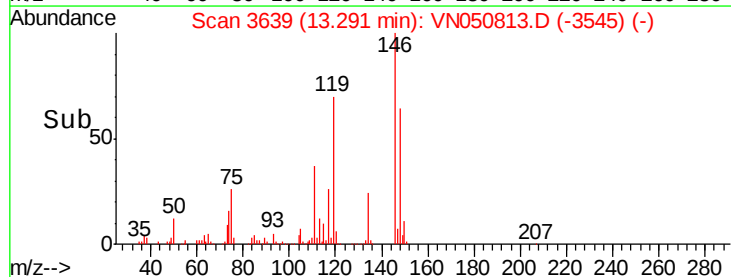
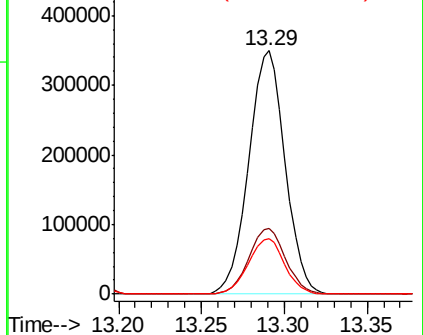
91 22.8 11.2 33.5



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





#87

1,3-Dichlorobenzene

Concen: 20.25 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

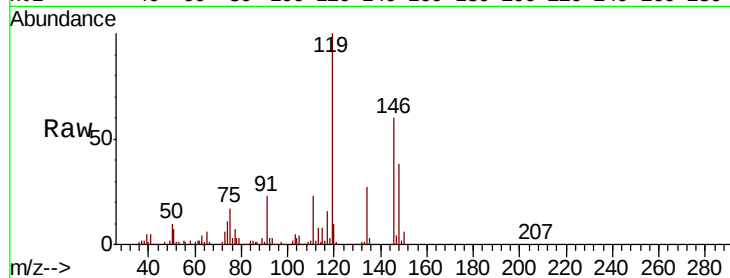
Tot Ion:146 Resp: 297622

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.3

148 63.9 32.2 96.6

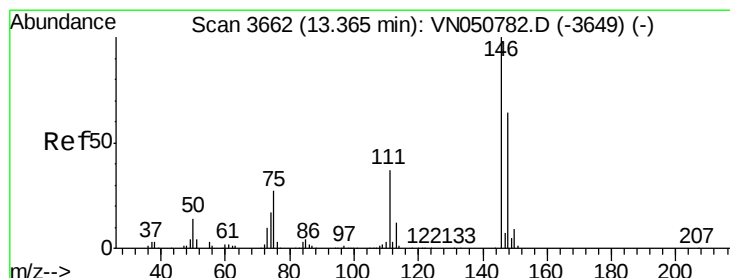
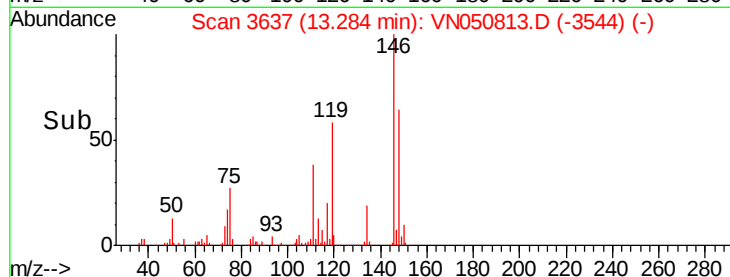
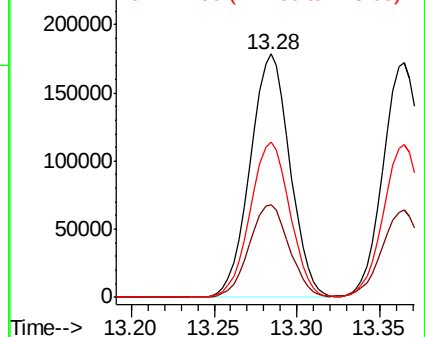


Abundance

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: 19.76 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

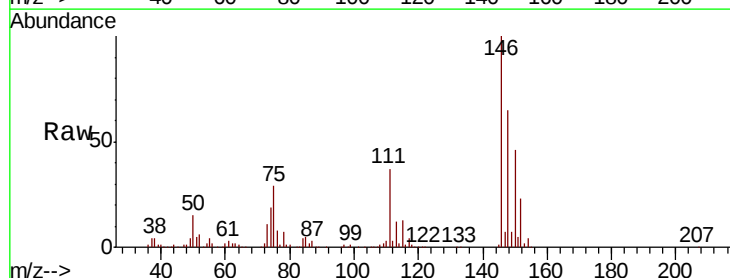
Tgt Ion:146 Resp: 285803

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.3

148 64.9 32.2 96.6

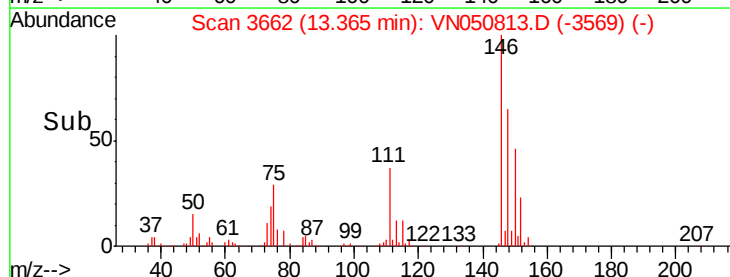
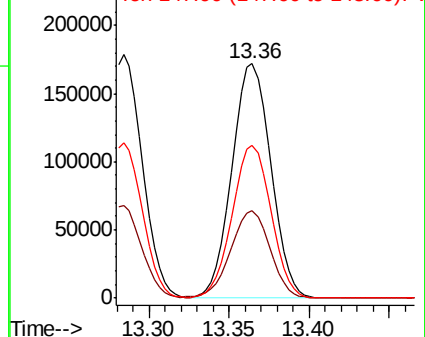


Abundance

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

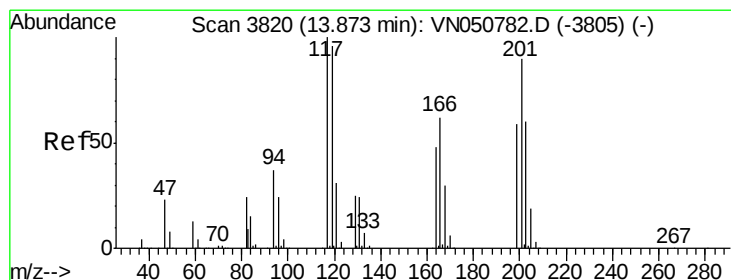
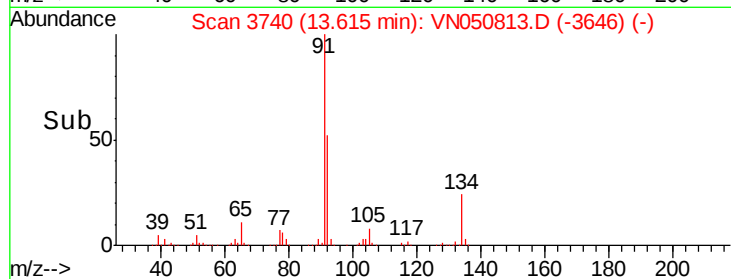
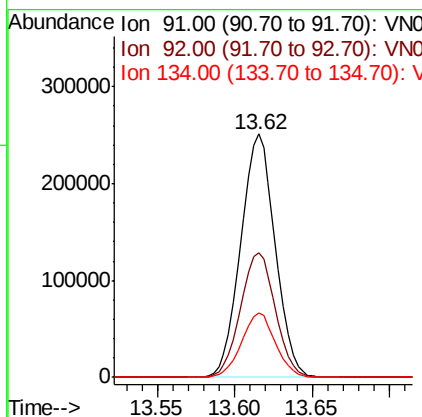
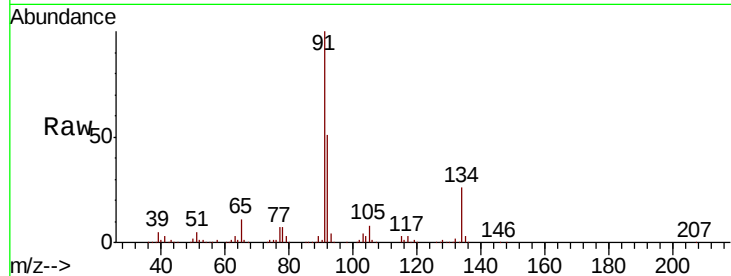




#89
n-Butylbenzene
Concen: 19.53 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

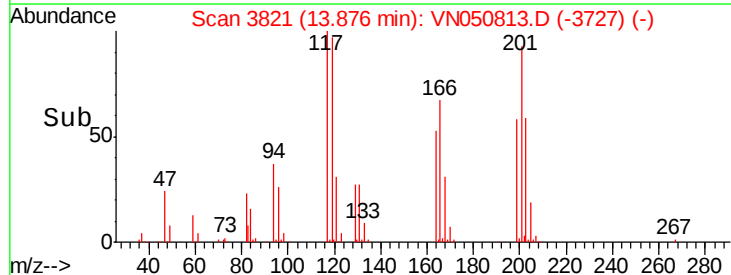
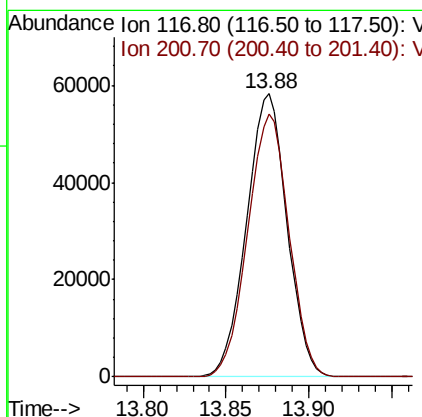
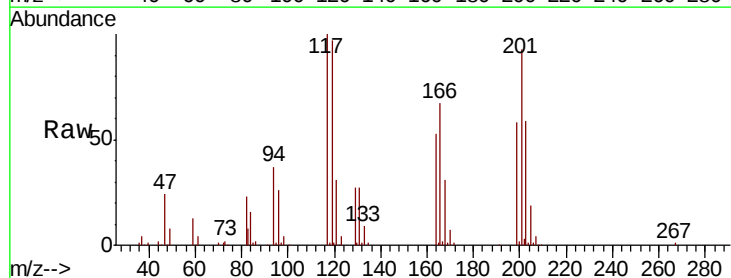
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

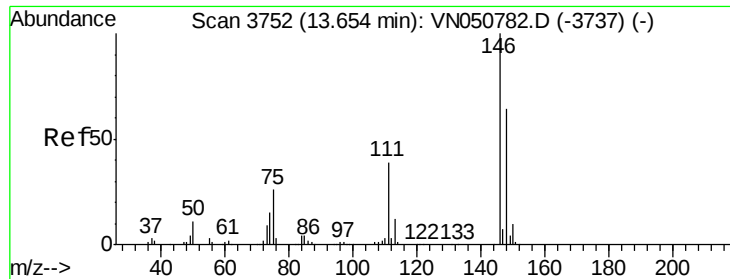
Tot Ion: 91 Resp: 388482
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.9 13.2 39.6



#90
Hexachloroethane
Concen: 20.94 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050813.D
Acq: 22 Aug 2018 12:34

Tgt Ion: 117 Resp: 98731
Ion Ratio Lower Upper
117 100
201 94.5 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 20.56 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

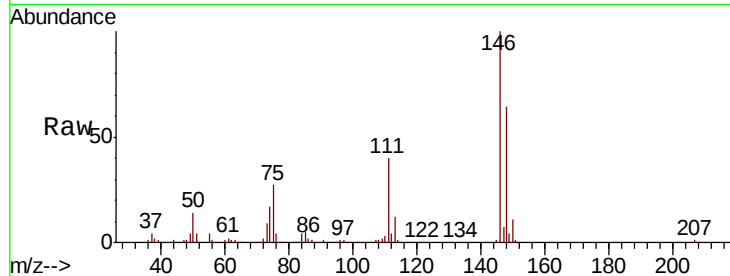
Tot Ion:146 Resp: 291554

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.3

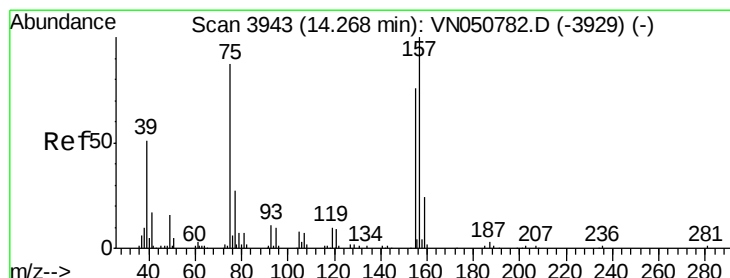
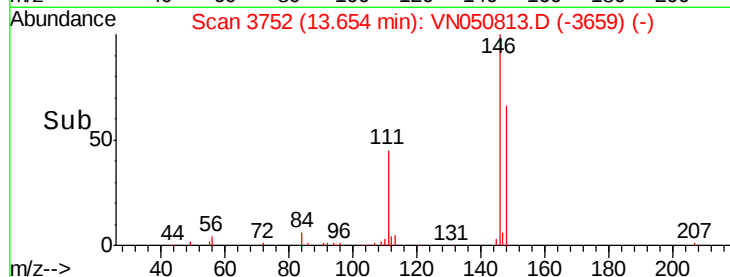
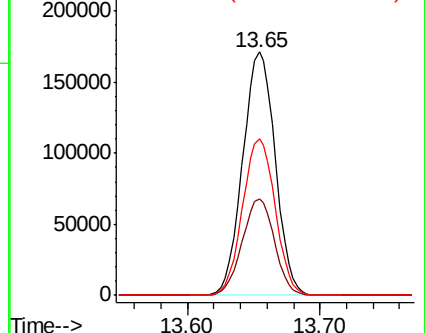
148 64.6 32.3 96.8



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: 21.15 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

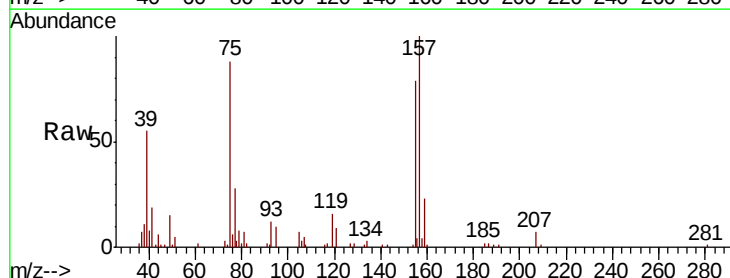
Tgt Ion: 75 Resp: 24215

Ion Ratio Lower Upper

75 100

155 90.9 46.4 139.1

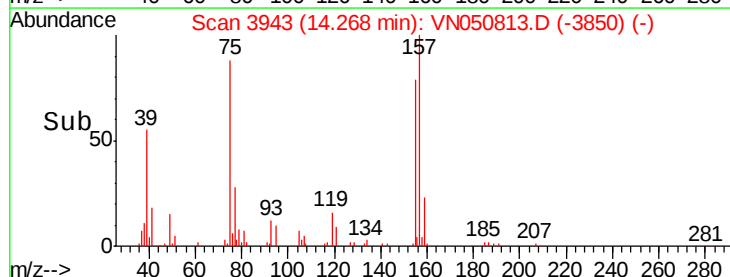
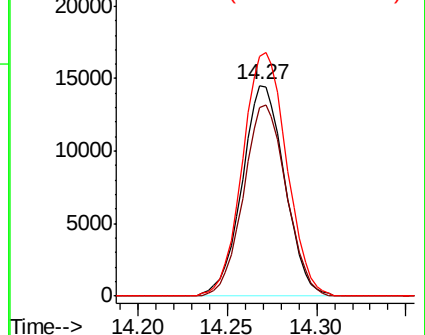
157 119.5 60.7 182.0

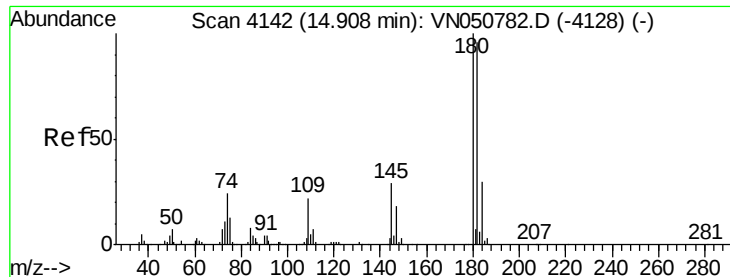


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

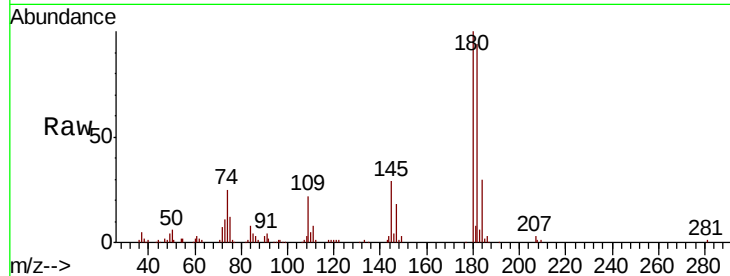




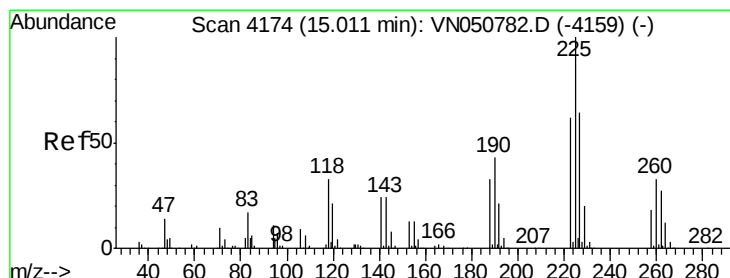
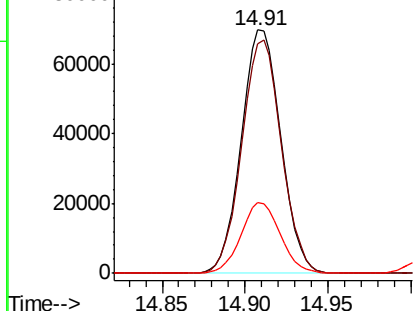
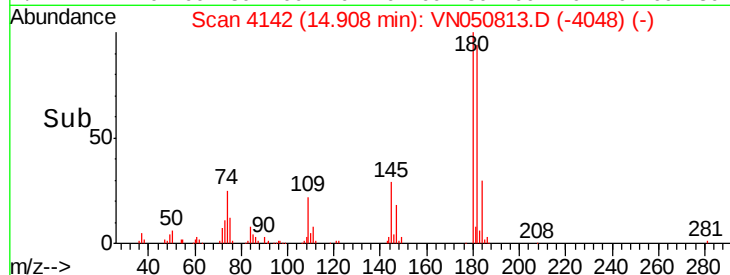
#93
 1,2,4-Trichlorobenzene
 Concen: 18.52 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.2	144.6
145	28.8	14.1	42.2

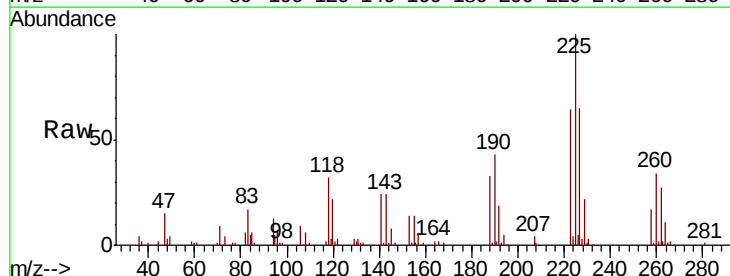


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

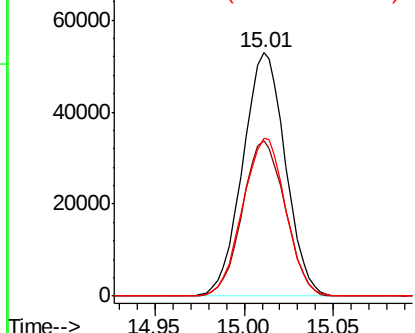
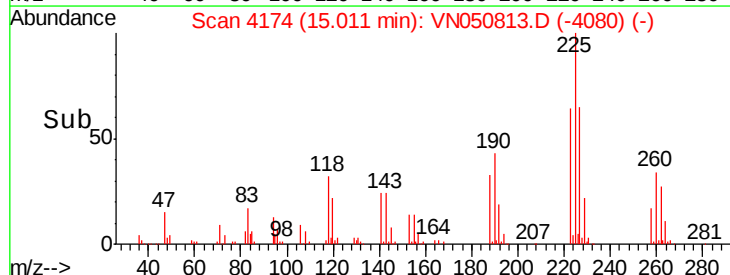


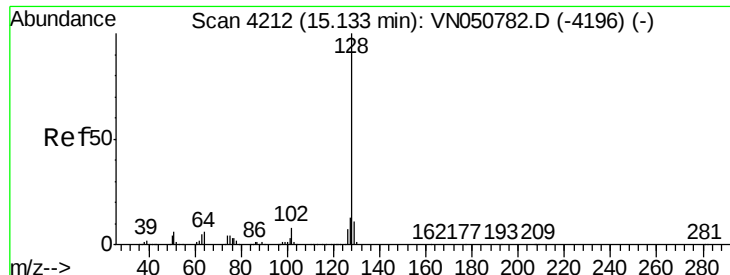
#94
 Hexachlorobutadiene
 Concen: 20.39 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050813.D
 Acq: 22 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.3	93.8
227	65.5	32.0	96.2



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





#95

Naphthalene

Concen: 18.40 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

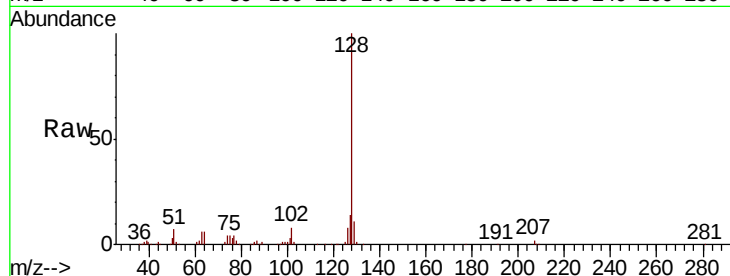
Tot Ion:128 Resp: 224148

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

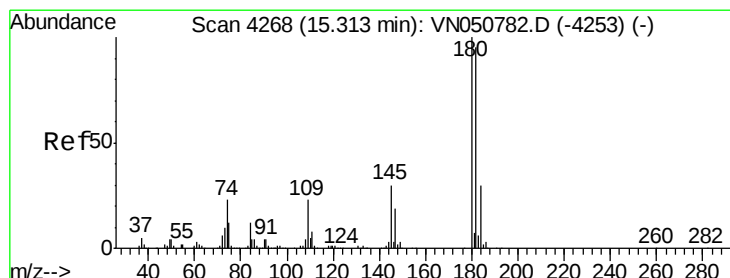
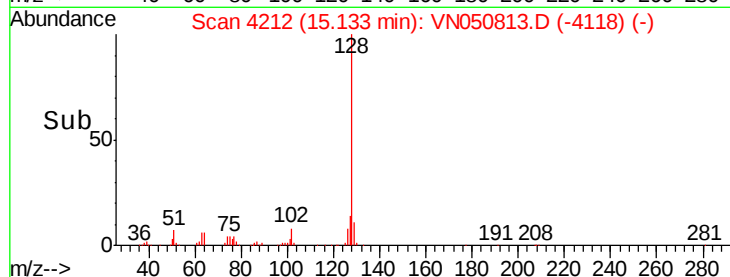
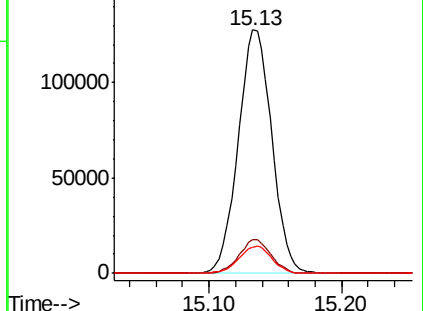
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.26 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050813.D

Acq: 22 Aug 2018 12:34

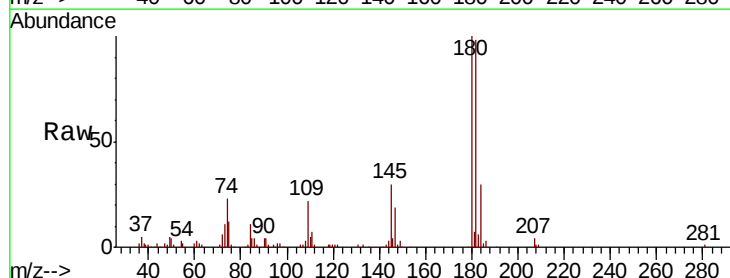
Tgt Ion:180 Resp: 118209

Ion Ratio Lower Upper

180 100

182 98.6 48.0 144.2

145 30.4 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

