

Data File : VN050909.D
Acq On : 28 Aug 2018 12:50
Operator : MD\SY
Sample : VSTDIC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Quant Time: Aug 29 01:20:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	122418	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	646943	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	578435	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	229207	29.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%
60) 4-Bromofluorobenzene	12.40	95	265943	30.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.07%
63) Toluene-d8	10.09	98	808685	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	398986	52.482	ug/l 100
3) Chloromethane	2.06	50	450447	50.177	ug/l 100
4) Vinyl Chloride	2.18	62	446369	50.324	ug/l 99
5) Bromomethane	2.56	94	263940	48.818	ug/l 98
6) Chloroethane	2.70	64	258543	49.417	ug/l 99
7) Trichlorofluoromethane	3.01	101	581000	49.409	ug/l 99
8) Diethyl Ether	3.41	74	207605	50.075	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	359820	49.413	ug/l 100
10) 1,1-Dichloroethene	3.73	96	328602	49.677	ug/l 99
11) Methyl Iodide	3.95	142	313852	50.853	ug/l 100
12) Methyl Acetate	4.33	43	382149	49.961	ug/l 99
13) Acrolein	3.61	56	37966	224.159	ug/l 93
14) Acrylonitrile	4.99	53	646229	249.882	ug/l 98
15) Acetone	3.82	58	149990	226.649	ug/l 92
16) Carbon Disulfide	4.05	76	982153	49.381	ug/l 99
17) Allyl chloride	4.32	41	518109	49.780	ug/l 99
18) Methylene Chloride	4.55	84	381222	49.100	ug/l 100
19) trans-1,2-Dichloroethene	5.04	96	351109	49.819	ug/l 98
20) Diisopropyl ether	5.96	45	1102607	51.036	ug/l 98
21) 1,1-Dichloroethane	5.85	63	650924	49.140	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	392095	49.252	ug/l 98
23) tert-Butyl Alcohol	4.79	59	131403	238.918	ug/l 100
24) Methyl tert-Butyl Ether	5.05	73	915344	50.594	ug/l 99
25) Chloroform	7.37	83	655022	49.544	ug/l 98
26) Cyclohexane	7.66	56	559094	50.944	ug/l 99
29) 1,1-Dichloropropene	7.80	75	496701	51.283	ug/l 99
30) 2-Butanone	6.84	43	722633	242.533	ug/l 99
31) 2,2-Dichloropropane	6.83	77	463224	49.152	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	553216	50.370	ug/l 100
33) Carbon Tetrachloride	7.78	117	497102	50.259	ug/l 97
34) Benzene	8.04	78	1509396	50.377	ug/l # 93
35) Methacrylonitrile	7.17	41	156458	47.929	ug/l 98
36) 1,2-Dichloroethane	8.13	62	454087	50.111	ug/l 100
37) Trichloroethene	8.84	130	390546	49.870	ug/l 99
38) Methylcyclohexane	9.08	83	530009	50.951	ug/l 98
39) 1,2-Dichloropropane	9.12	63	392313	50.133	ug/l 99
40) Dibromomethane	9.21	93	237550	50.394	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	501196	50.438	ug/l	100
42) Vinyl Acetate	5.90	43	3580926	260.925	ug/l	99
43) Ethyl Acetate	6.93	43	310810	50.921	ug/l	94
44) Isopropyl Acetate	8.17	43	550377	51.100	ug/l	100
45) 1,4-Dioxane	9.20	88	82534	1031.573	ug/l	96
46) Methyl methacrylate	9.20	41	277546	51.453	ug/l	98
47) n-amyl Acetate	12.07	43	460031	53.126	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	497481	51.073	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	572751	51.188	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	347186	50.690	ug/l	99
51) Ethyl methacrylate	10.43	69	438265	52.298	ug/l	99
52) 1,3-Dichloropropane	10.71	76	572110	50.428	ug/l	99
53) Dibromochloromethane	10.90	129	390961	50.199	ug/l	99
54) 1,2-Dibromoethane	11.01	107	343333	50.695	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	911305	261.357	ug/l	100
56) Bromoform	12.13	173	280344	50.612	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	1627581	245.925	ug/l	99
59) 2-Hexanone	10.75	43	1069808	247.301	ug/l	99
61) Tetrachloroethene	10.63	164	363420	50.419	ug/l	99
62) Toluene	10.16	91	1626750	50.410	ug/l	100
64) Chlorobenzene	11.44	112	1005613	50.281	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	380168	50.345	ug/l	99
66) Ethyl Benzene	11.51	91	1737039	51.966	ug/l	99
67) m/p-Xylenes	11.62	106	1341998	104.345	ug/l	100
68) o-Xylene	11.95	106	646729	52.627	ug/l	100
69) Styrene	11.97	104	1040574	53.258	ug/l	99
70) Isopropylbenzene	12.25	105	1704825	52.208	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	447189	50.579	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	521305	68.557	ug/l	100
73) Bromobenzene	12.53	156	437311	50.900	ug/l	99
74) n-propylbenzene	12.59	91	1940583	52.564	ug/l	100
75) 2-Chlorotoluene	12.68	91	1161632	51.793	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1408228	52.771	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	110787	50.981	ug/l	98
78) 4-Chlorotoluene	12.77	91	1166350	52.814	ug/l	100
79) tert-butylbenzene	12.99	119	1210057	52.213	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1423545	53.505	ug/l	99
81) sec-Butylbenzene	13.17	105	1592930	52.533	ug/l	100
82) p-Isopropyltoluene	13.29	119	1393311	53.234	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	769462	52.973	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	735262	53.422	ug/l	99
85) n-Butylbenzene	13.62	91	1087942	54.476	ug/l	99
86) Hexachloroethane	13.88	117	251413	50.045	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	752626	52.640	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	65357	52.839	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	352496	55.380	ug/l	98
90) Hexachlorobutadiene	15.01	225	226059	52.274	ug/l	99
91) Naphthalene	15.14	128	747028	54.758	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	347466	54.402	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082818\
Quantitation Report (Not Reviewed)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
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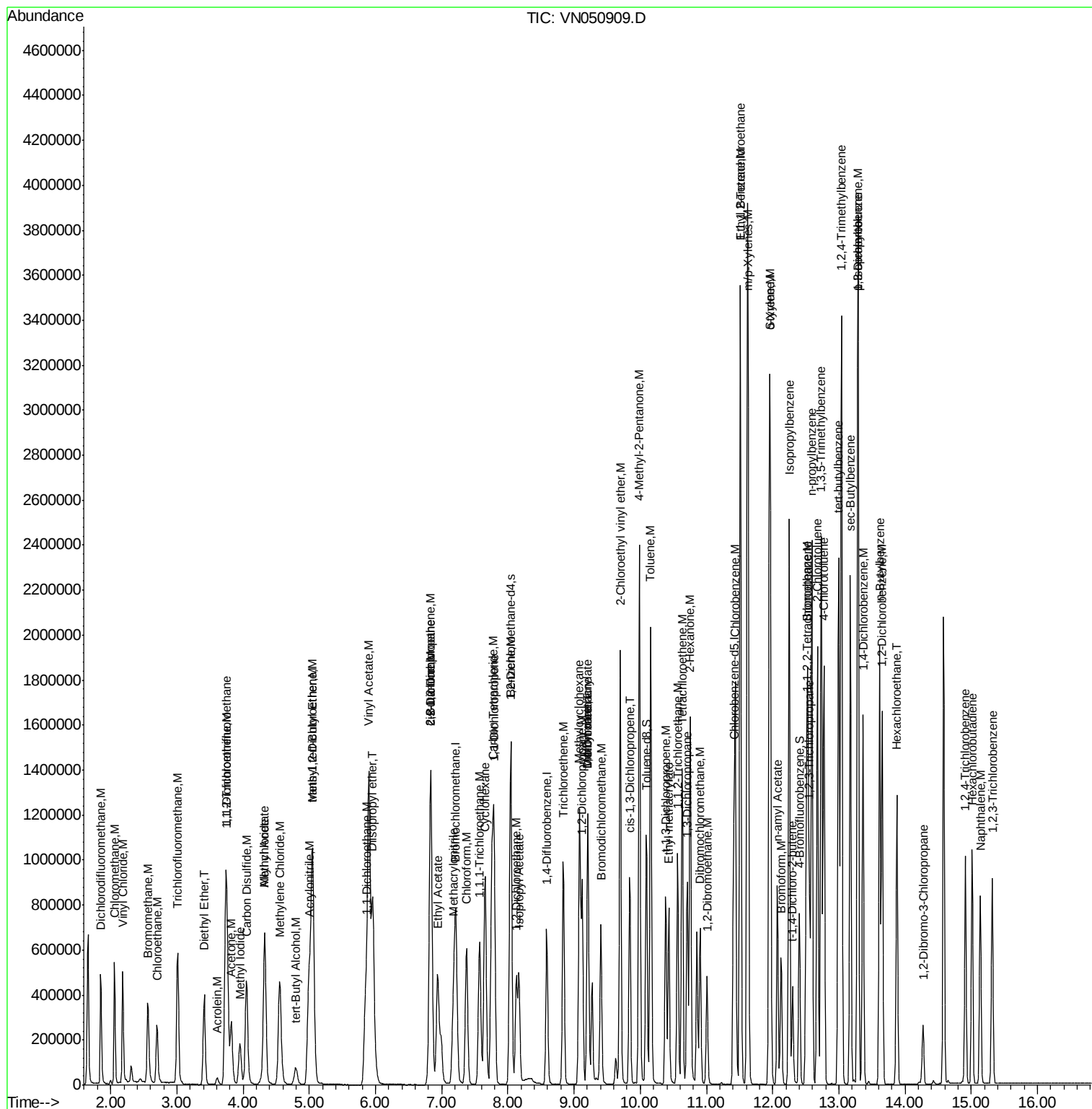
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

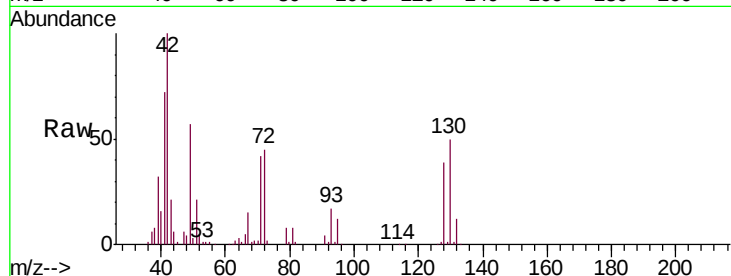
Tgt Ion:128 Resp: 122418

Ion Ratio Lower Upper

128 100

49 152.7 0.0 380.3

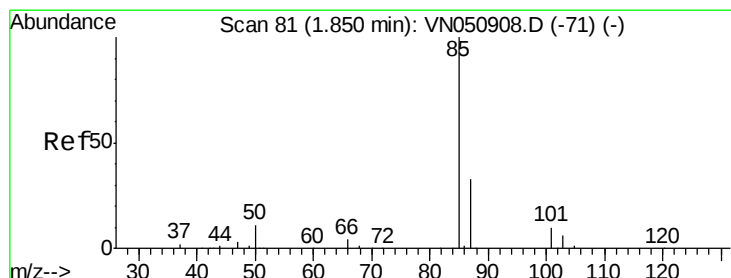
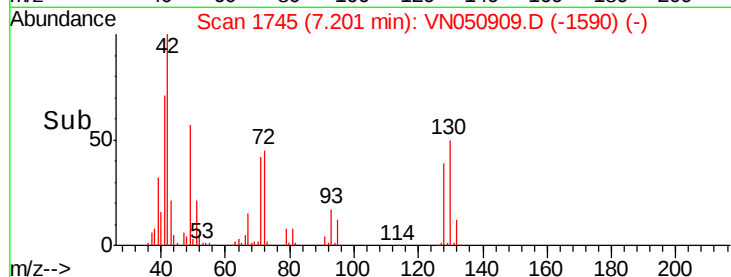
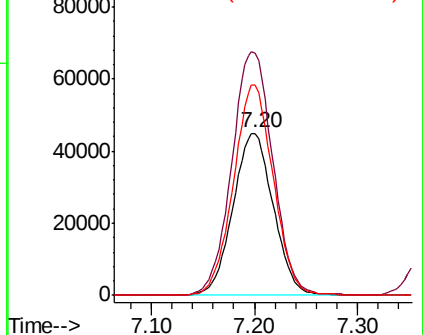
130 127.8 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 52.482 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050909.D

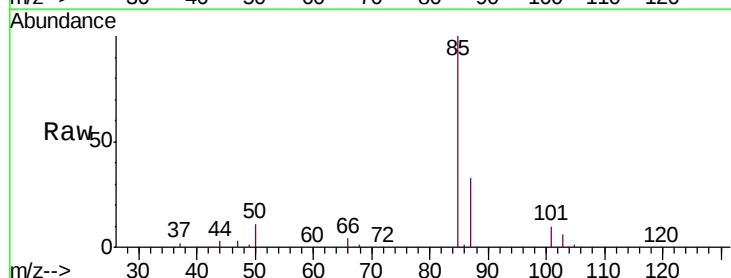
Acq: 28 Aug 2018 12:50

Tgt Ion: 85 Resp: 398986

Ion Ratio Lower Upper

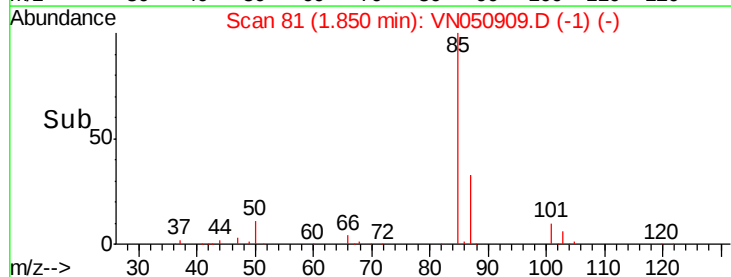
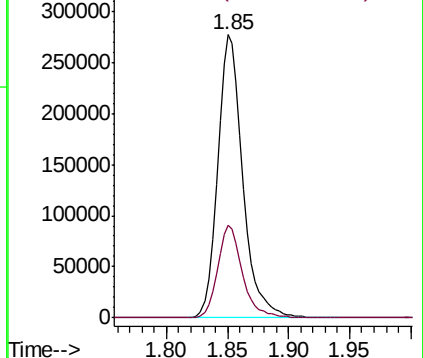
85 100

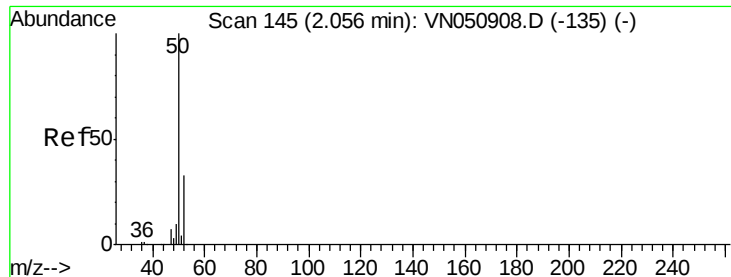
87 32.6 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 50.177 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

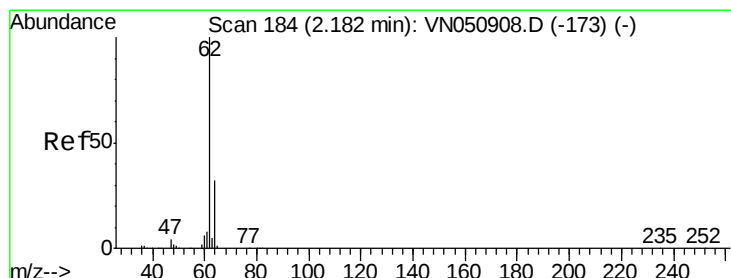
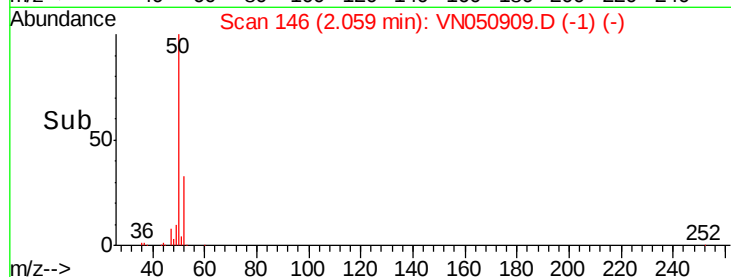
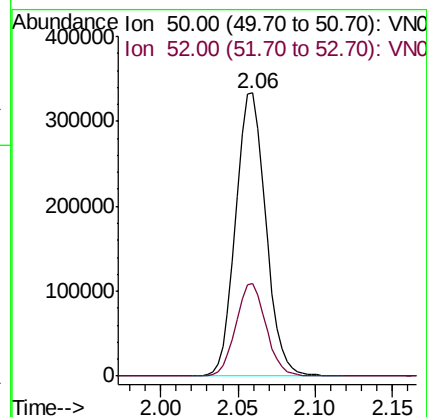
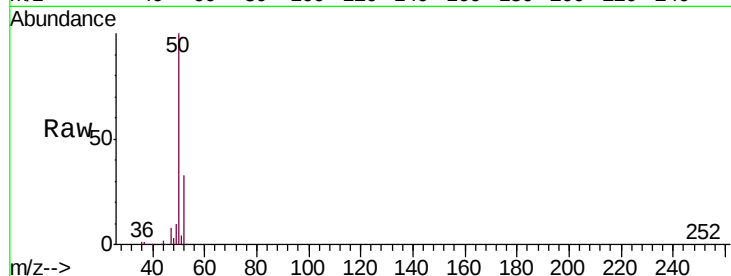
VSTDIC050

Tgt Ion: 50 Resp: 450447

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 50.324 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050909.D

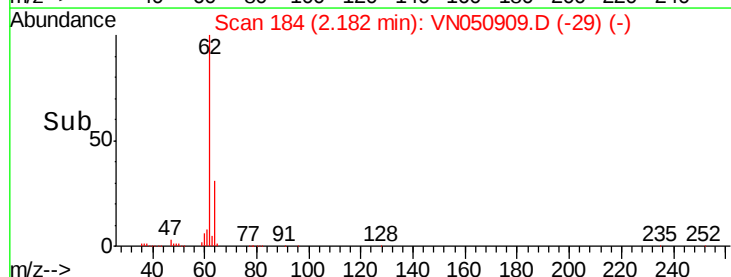
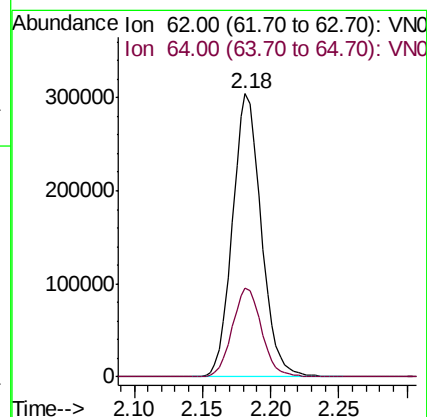
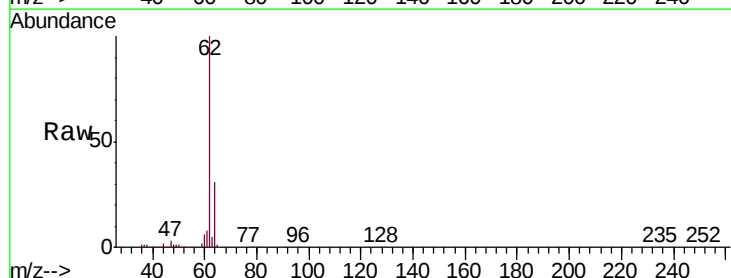
Acq: 28 Aug 2018 12:50

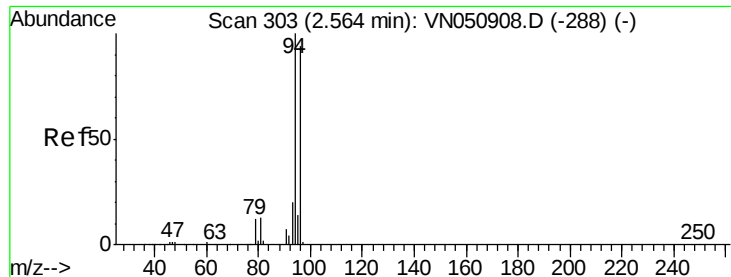
Tgt Ion: 62 Resp: 446369

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 48.818 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

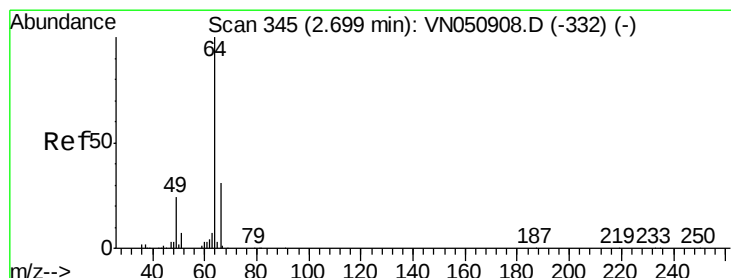
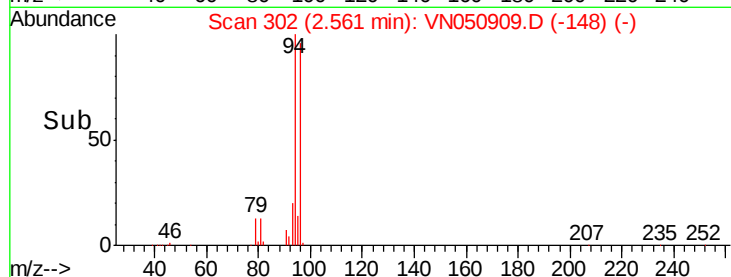
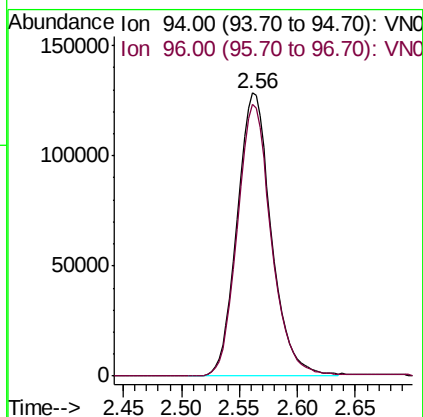
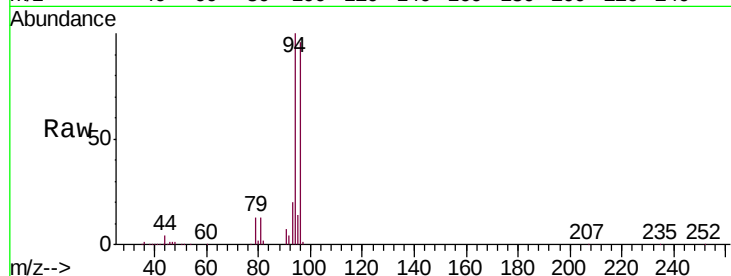
VSTDIC050

Tgt Ion: 94 Resp: 263940

Ion Ratio Lower Upper

94 100

96 95.8 74.9 112.3



#6

Chloroethane

Concen: 49.417 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050909.D

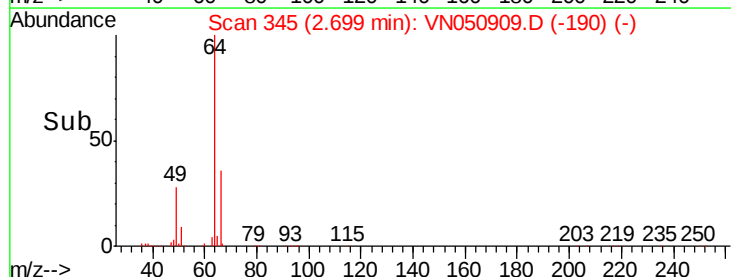
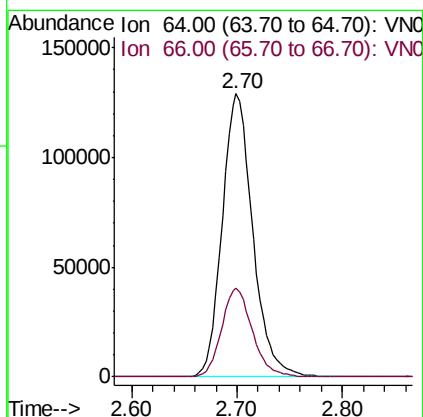
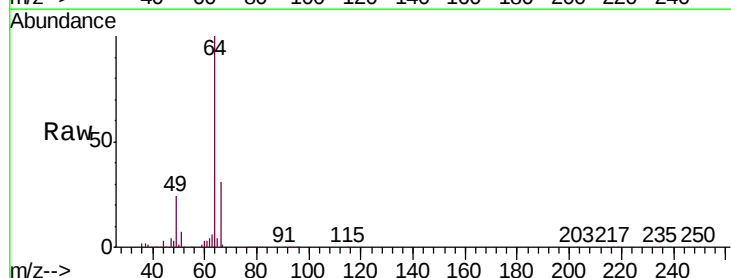
Acq: 28 Aug 2018 12:50

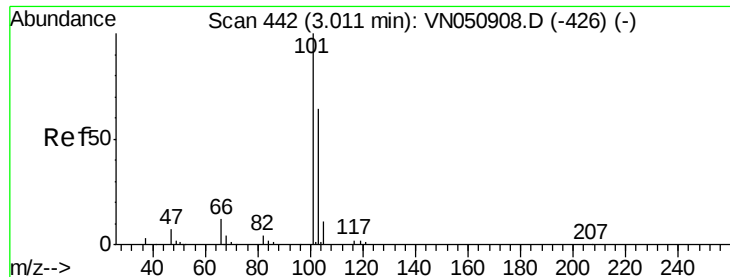
Tgt Ion: 64 Resp: 258543

Ion Ratio Lower Upper

64 100

66 31.2 24.5 36.7



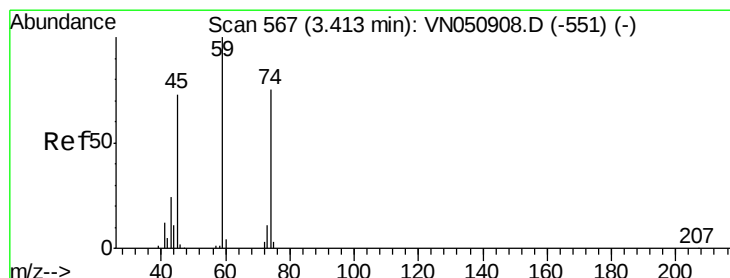
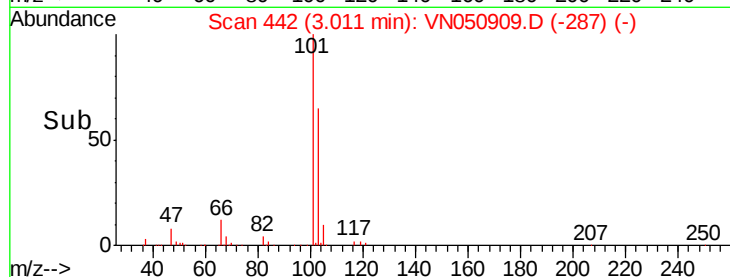
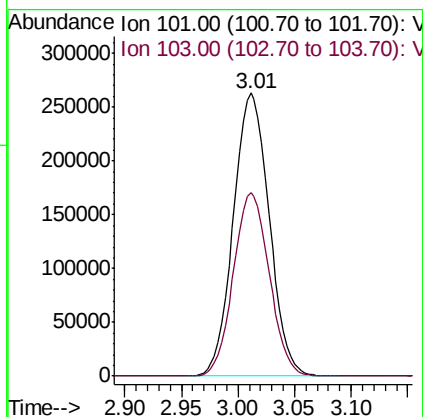
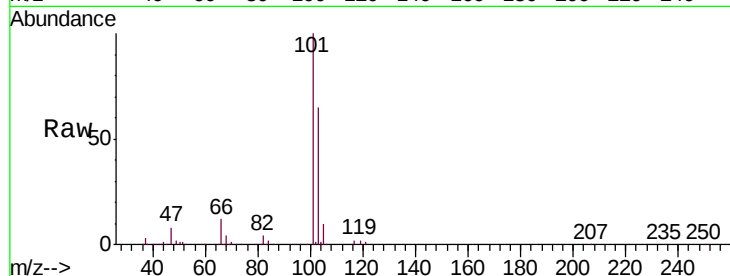


#7

Trichlorofluoromethane
 Concen: 49.409 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
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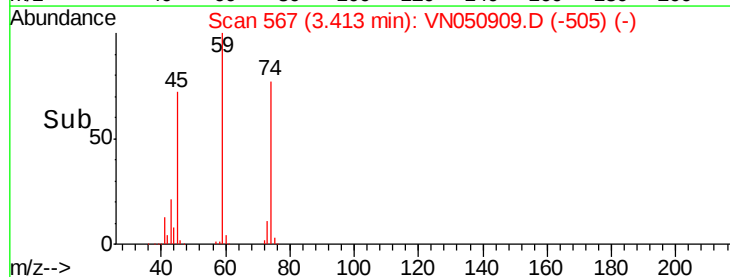
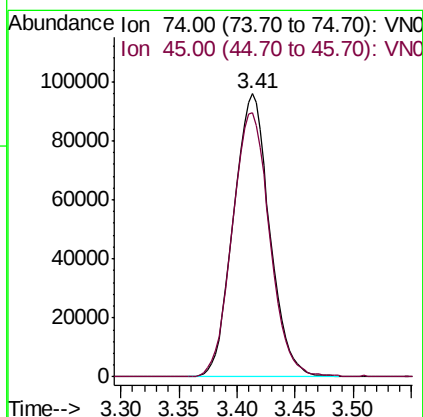
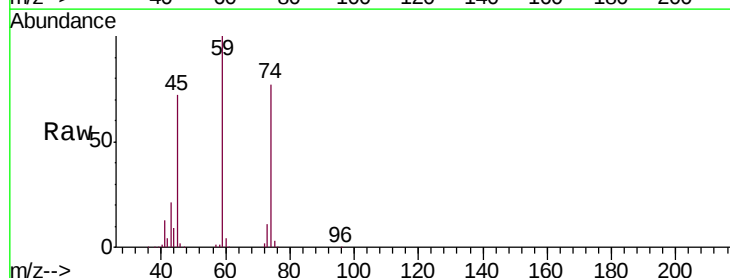
Tgt Ion:101 Resp: 581000
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.3 76.9

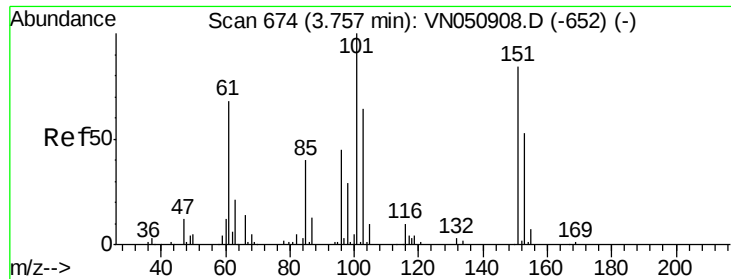


#8

Diethyl Ether
 Concen: 50.075 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 74 Resp: 207605
 Ion Ratio Lower Upper
 74 100
 45 96.7 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.413 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050909.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

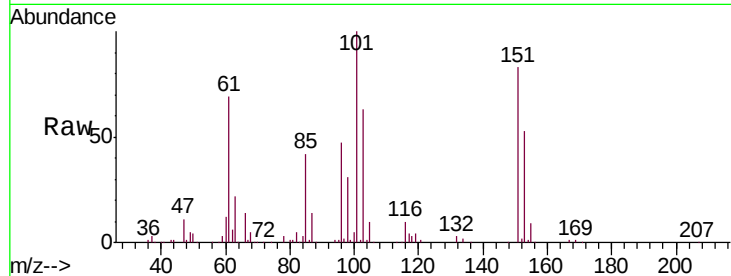
Tgt Ion:101 Resp: 359820

Ion Ratio Lower Upper

101 100

85 42.0 0.0 83.6

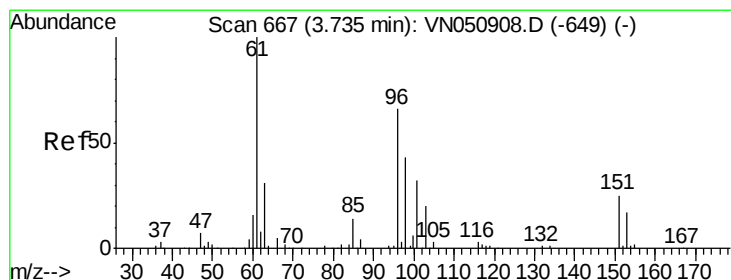
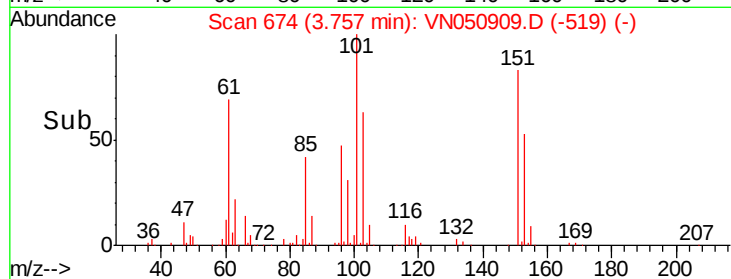
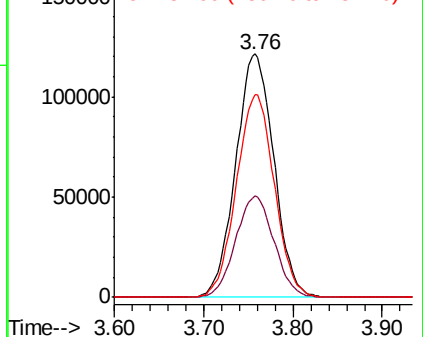
151 83.1 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 49.677 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

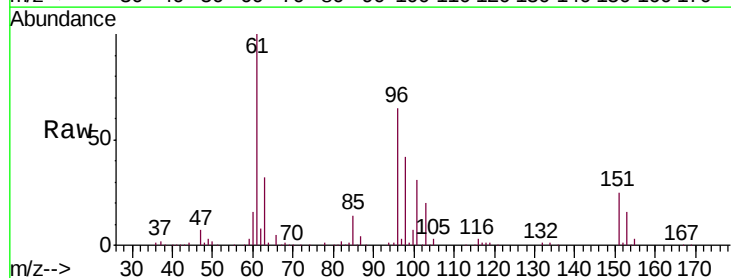
Tgt Ion: 96 Resp: 328602

Ion Ratio Lower Upper

96 100

61 154.9 121.8 182.8

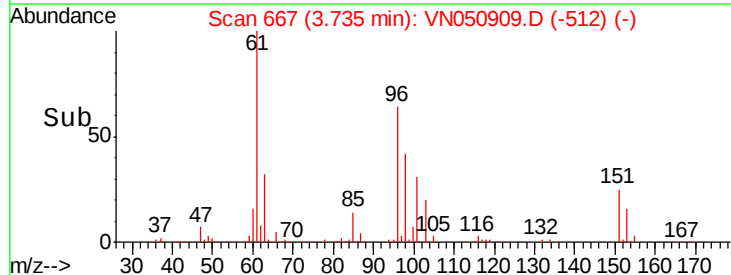
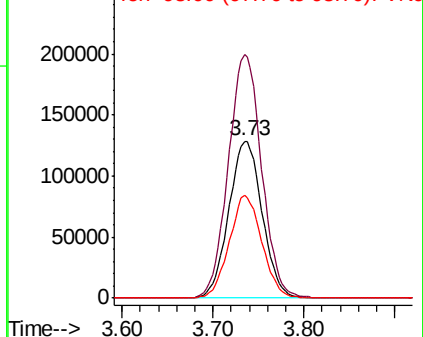
98 65.2 52.3 78.5

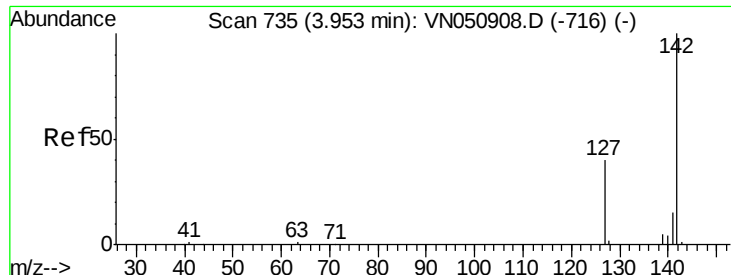


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

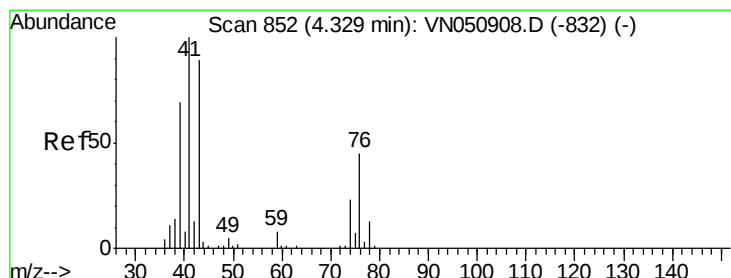
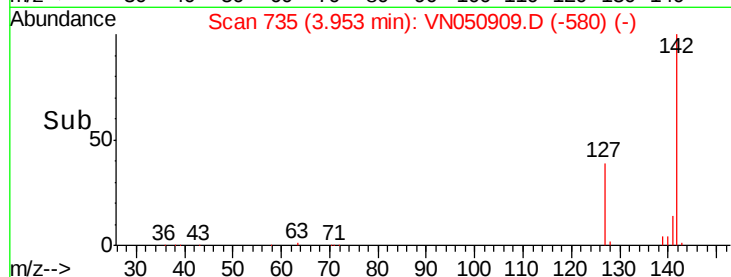
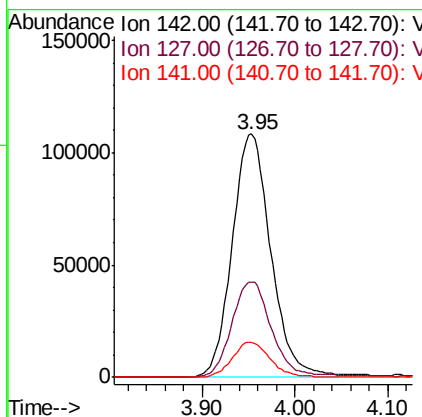
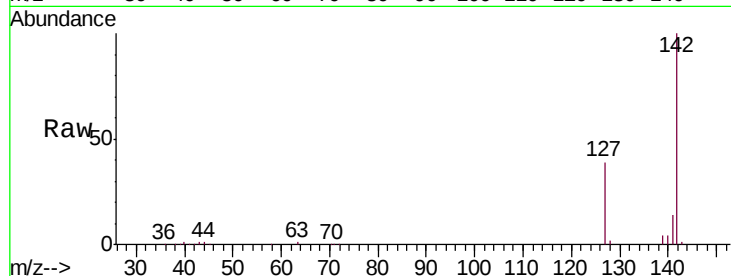




#11
Methyl Iodide
Concen: 50.853 ug/l
RT: 3.95 min Scan# 735
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

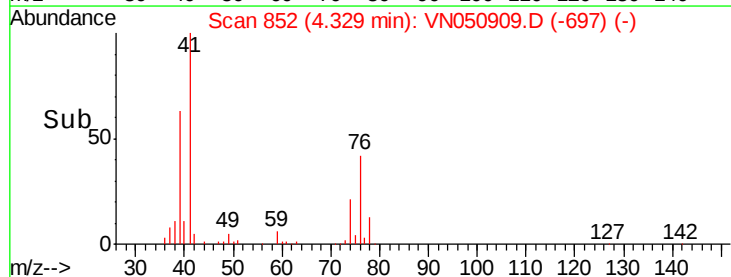
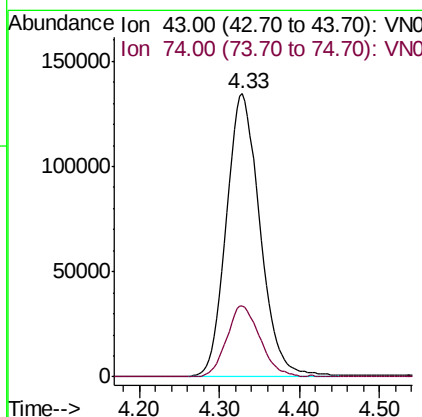
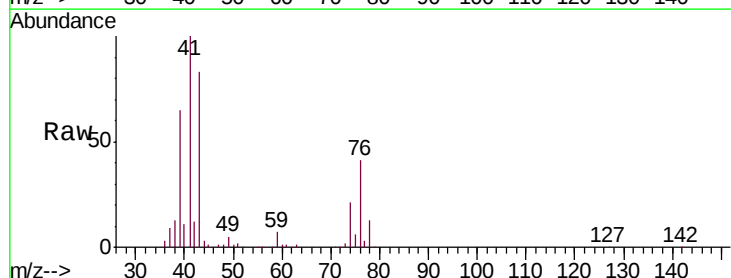
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

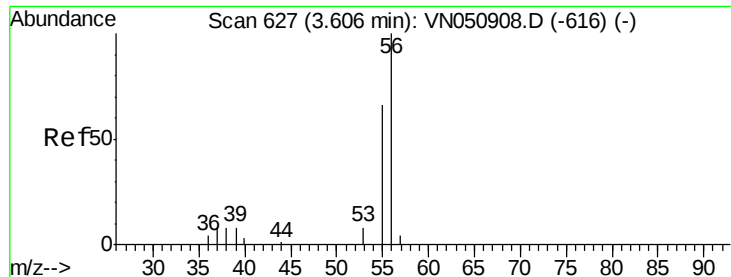
Tgt Ion:142 Resp: 313852
Ion Ratio Lower Upper
142 100
127 39.2 19.7 59.1
141 14.4 7.3 22.0



#12
Methyl Acetate
Concen: 49.961 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 43 Resp: 382149
Ion Ratio Lower Upper
43 100
74 25.2 20.6 31.0





#13

Acrolein

Concen: 224.159 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

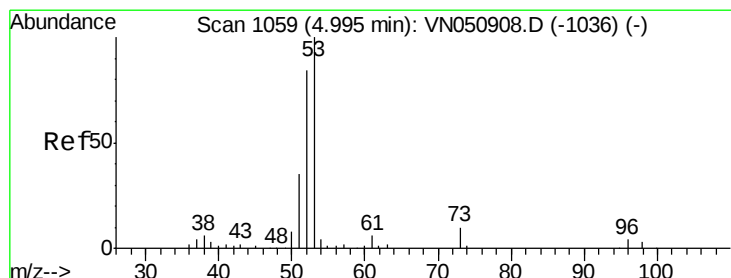
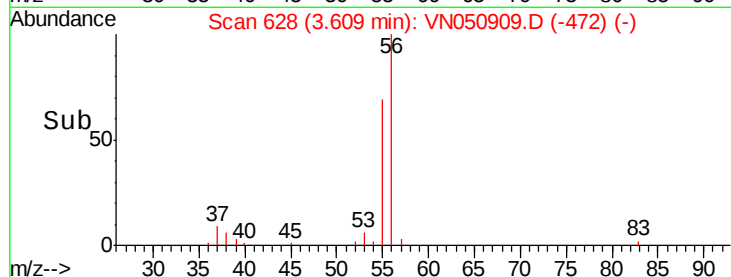
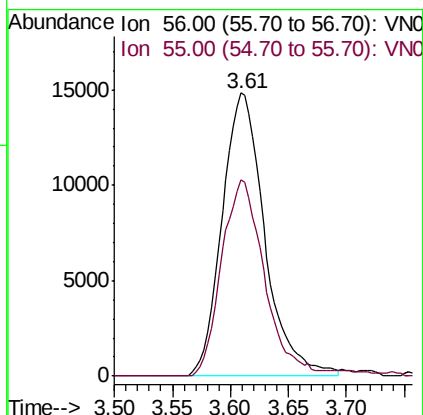
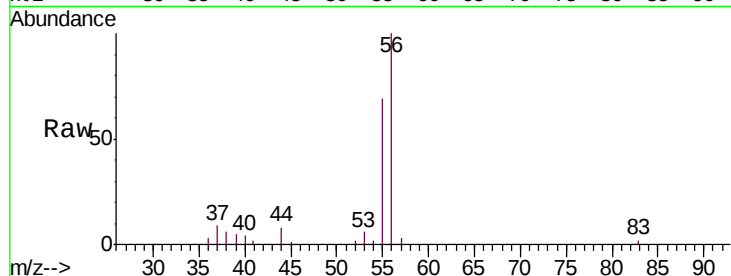
VSTDIC050

Tgt Ion: 56 Resp: 37966

Ion Ratio Lower Upper

56 100

55 68.3 59.1 88.7



#14

Acrylonitrile

Concen: 249.882 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

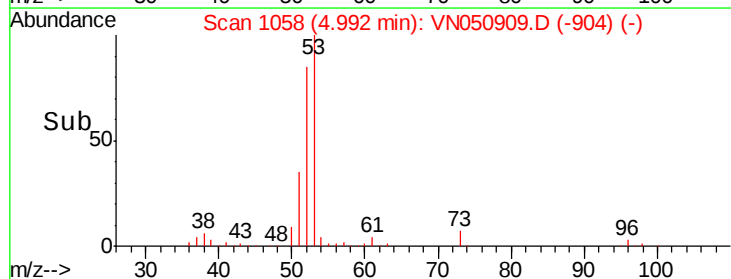
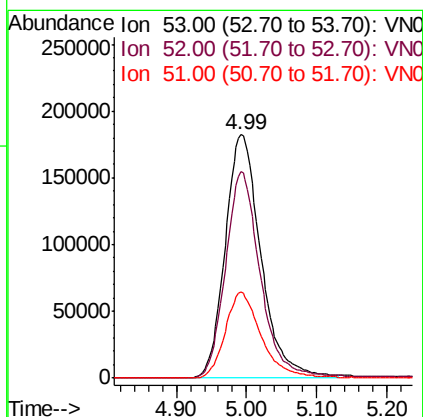
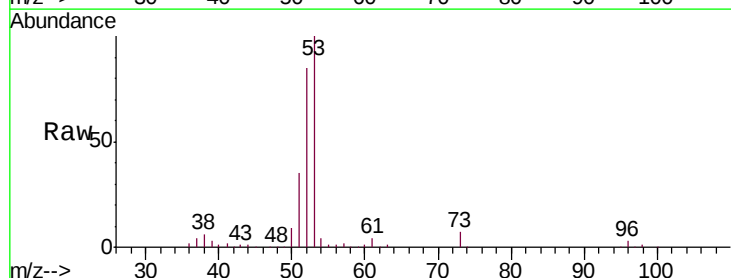
Tgt Ion: 53 Resp: 646229

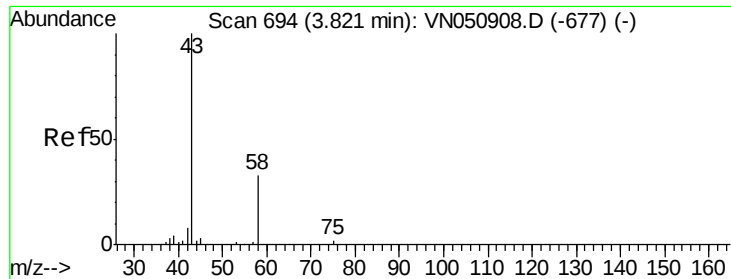
Ion Ratio Lower Upper

53 100

52 82.1 42.2 126.6

51 35.7 17.7 53.1





#15

Acetone

Concen: 226.649 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

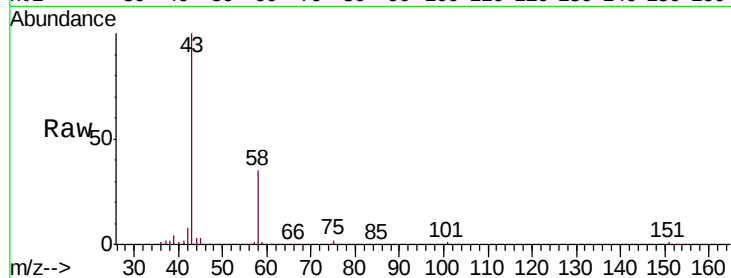
VSTDIC050

Tgt Ion: 58 Resp: 149990

Ion Ratio Lower Upper

58 100

43 283.5 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

150000

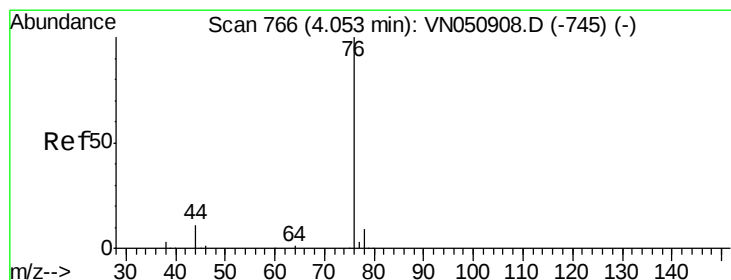
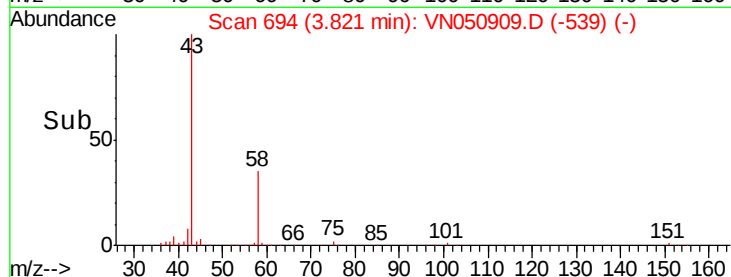
100000

50000

0

3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 49.381 ug/l

RT: 4.05 min Scan# 766

Delta R.T. -0.00 min

Lab File: VN050909.D

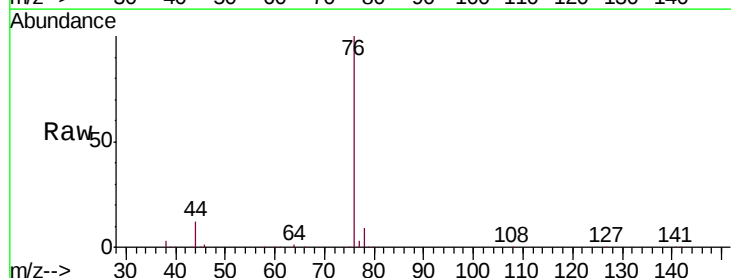
Acq: 28 Aug 2018 12:50

Tgt Ion: 76 Resp: 982153

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

400000

300000

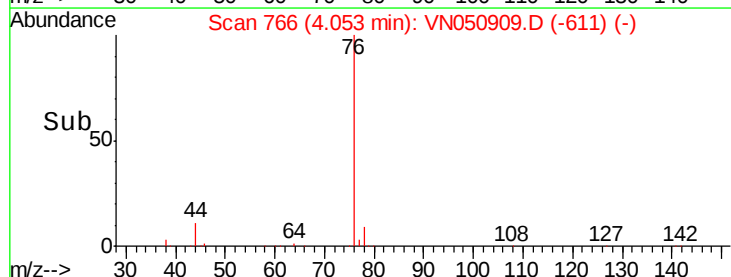
200000

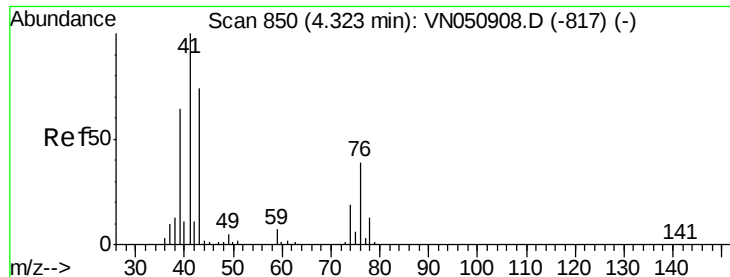
100000

0

3.90 4.00 4.10 4.20

Time-->

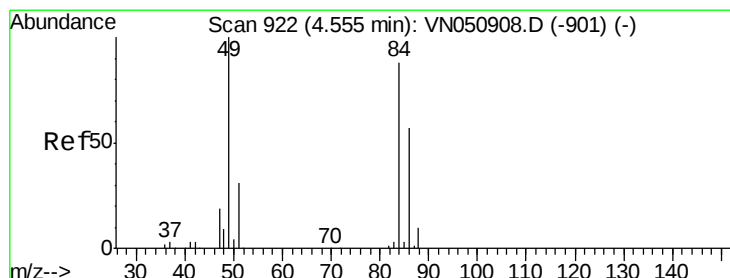
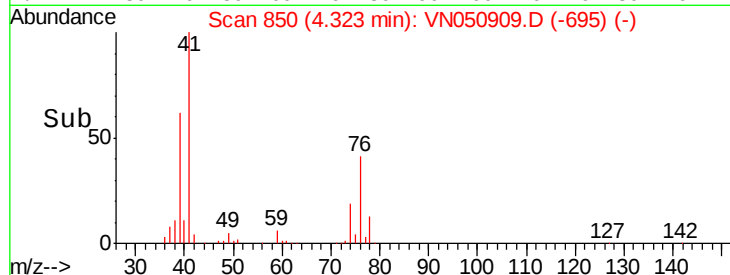
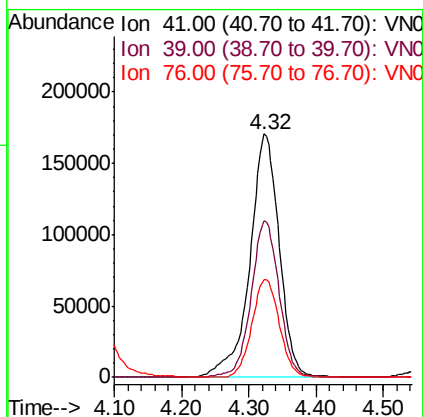
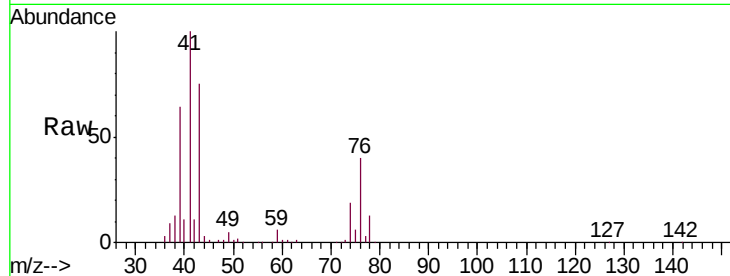




#17
 Allyl chloride
 Concen: 49.780 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

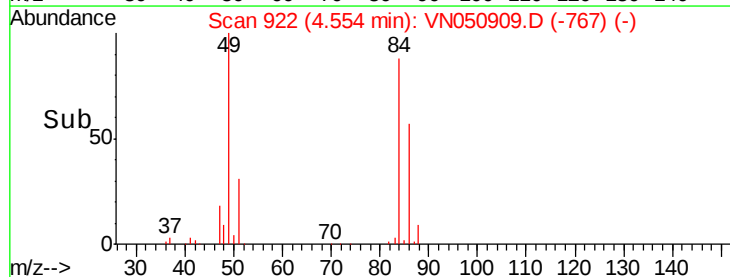
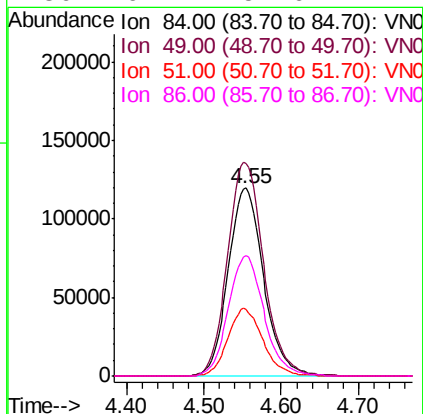
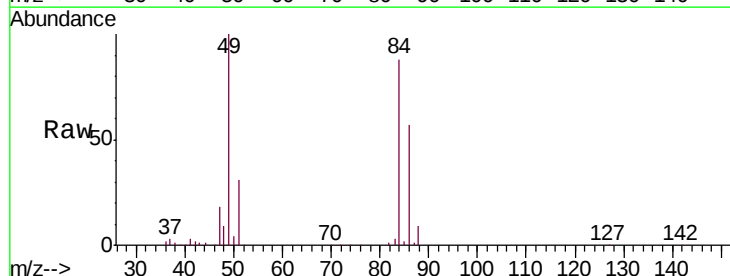
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

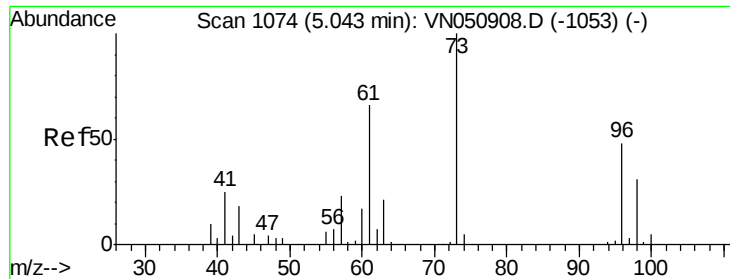
Tgt Ion:	41	Resp:	518109
Ion	Ratio	Lower	Upper
41	100		
39	64.2	32.2	96.6
76	39.8	19.6	58.7



#18
 Methylene Chloride
 Concen: 49.100 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion:	84	Resp:	381222
Ion	Ratio	Lower	Upper
84	100		
49	113.0	90.6	135.8
51	35.3	28.4	42.6
86	64.4	51.6	77.4

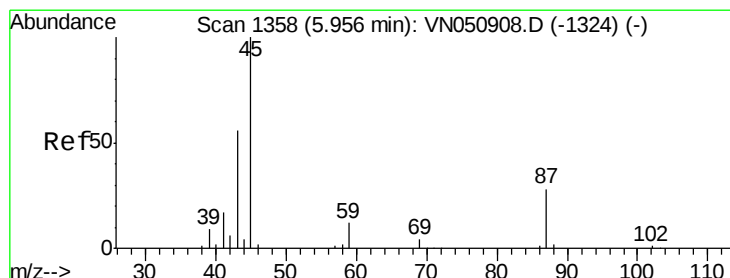
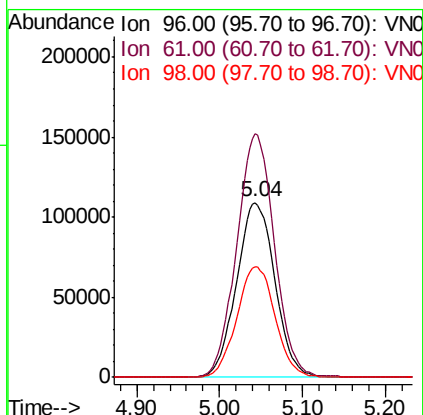
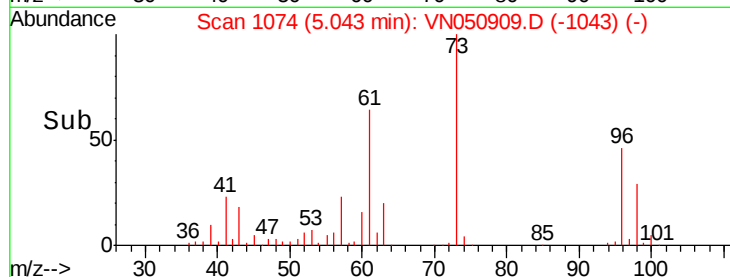
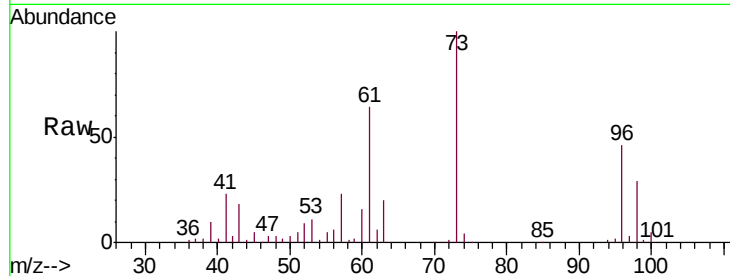




#19
trans-1,2-Dichloroethene
Concen: 49.819 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

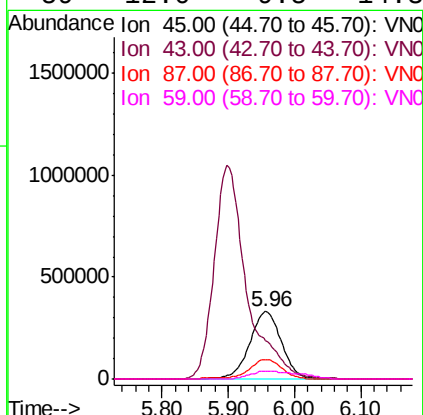
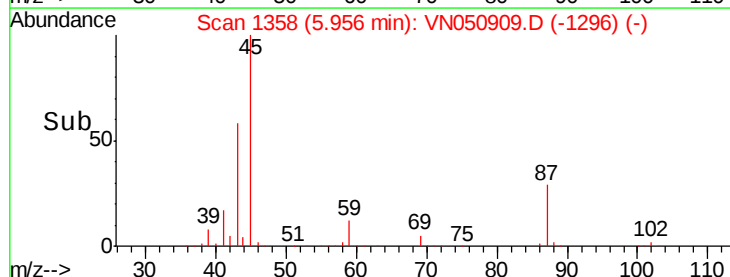
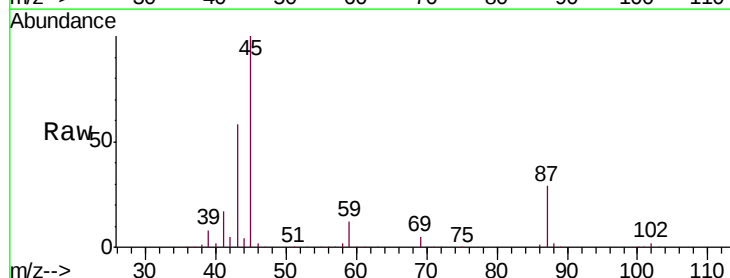
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

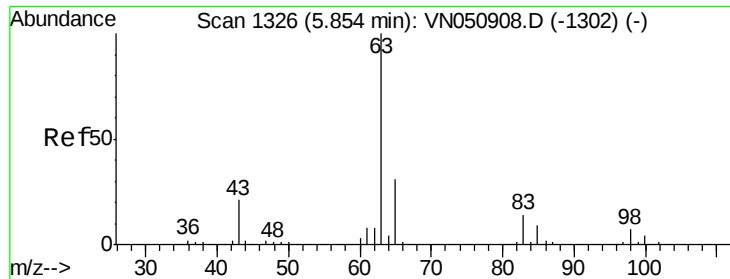
Tgt Ion: 96 Resp: 351109
Ion Ratio Lower Upper
96 100
61 139.5 109.5 164.3
98 63.7 51.9 77.9



#20
Diisopropyl ether
Concen: 51.036 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 45 Resp: 1102607
Ion Ratio Lower Upper
45 100
43 56.6 47.0 70.6
87 28.7 22.8 34.2
59 12.0 9.5 14.3

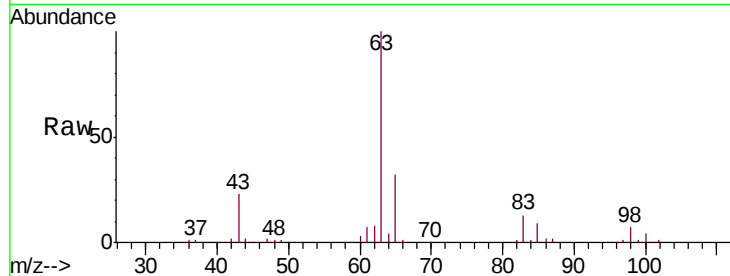




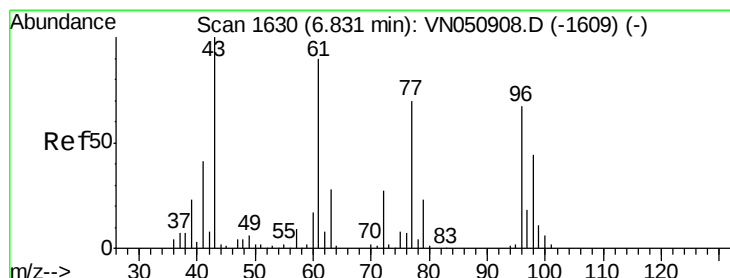
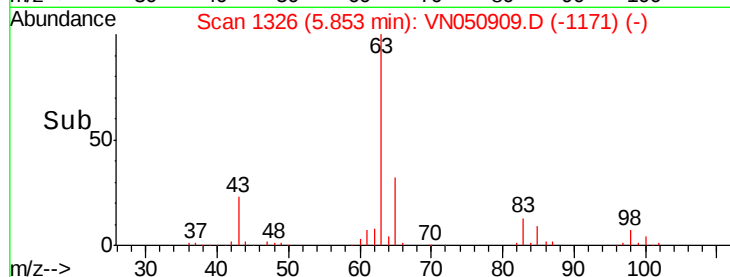
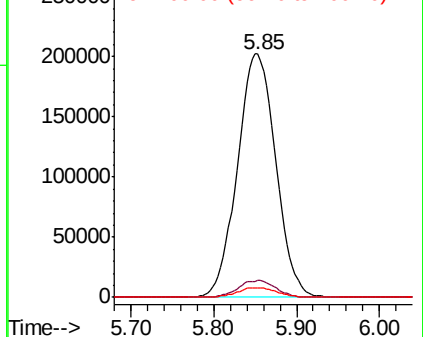
#21
 1,1-Dichloroethane
 Concen: 49.140 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 63 Resp: 650924
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.0 2.0 6.0

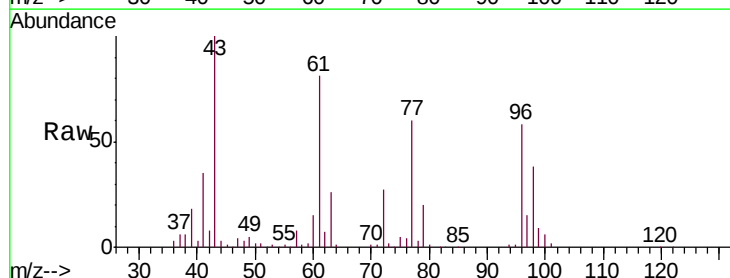


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

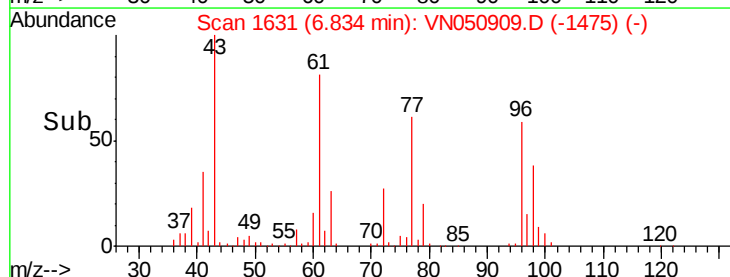
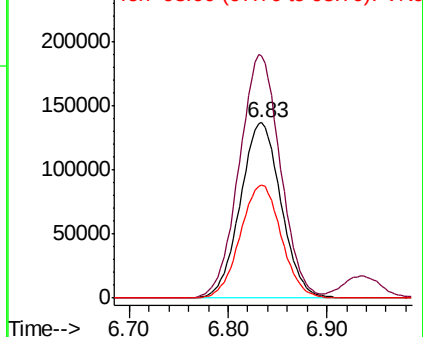


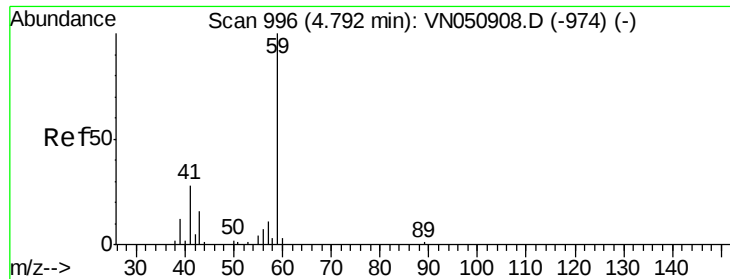
#22
 cis-1,2-Dichloroethene
 Concen: 49.252 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 96 Resp: 392095
 Ion Ratio Lower Upper
 96 100
 61 139.9 110.0 165.0
 98 65.0 51.7 77.5



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

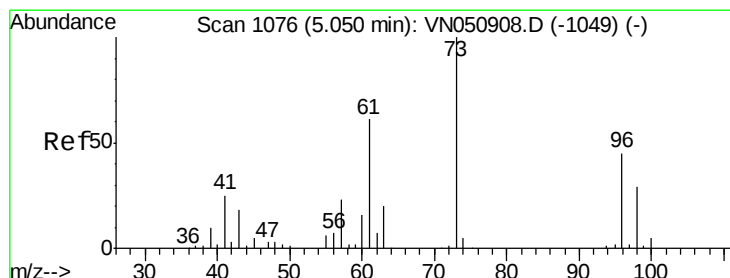
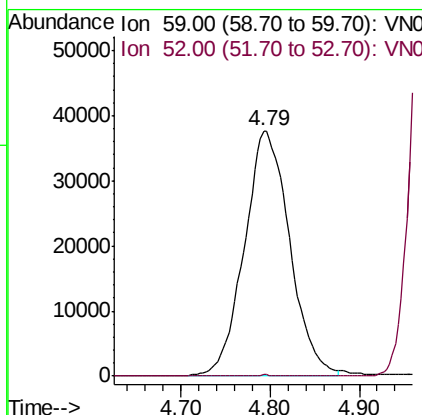
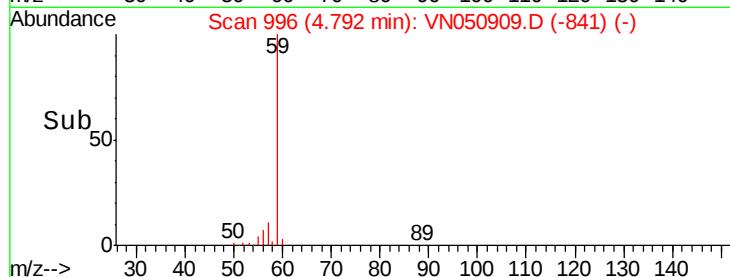
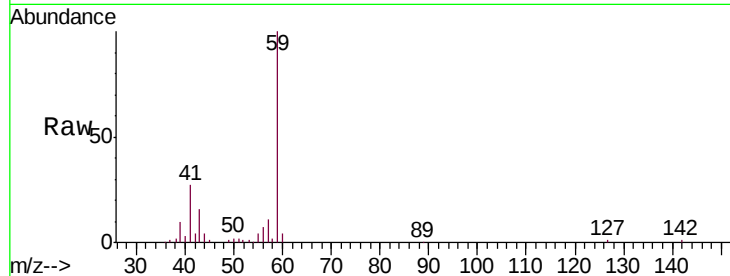




#23
 tert-Butyl Alcohol
 Concen: 238.918 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

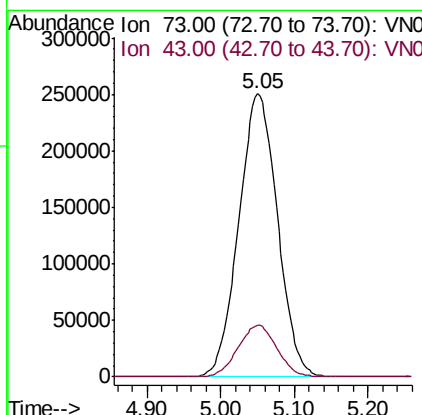
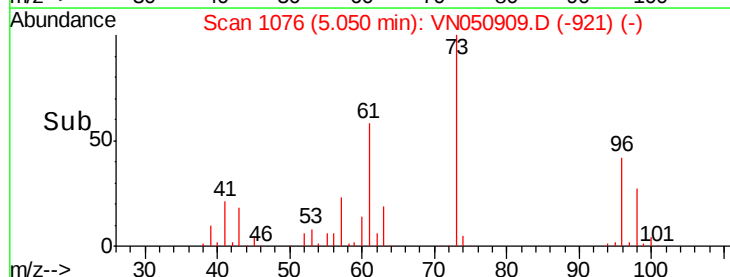
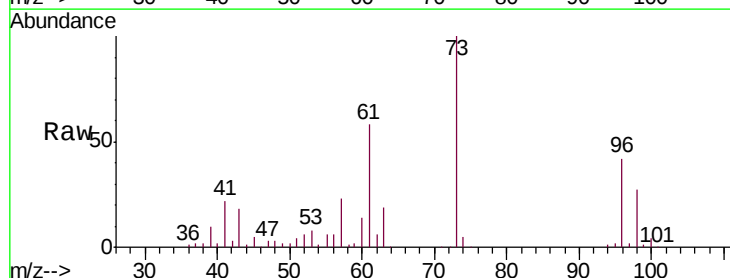
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

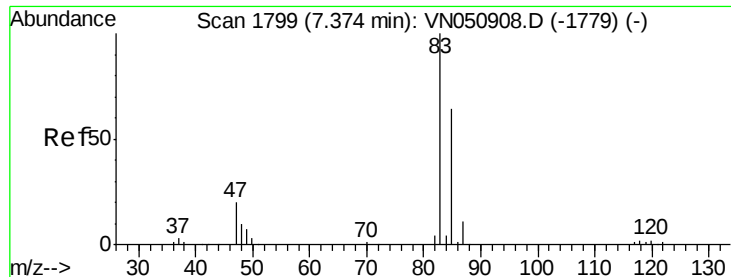
Tgt Ion: 59 Resp: 131403
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1



#24
 Methyl tert-Butyl Ether
 Concen: 50.594 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 73 Resp: 915344
 Ion Ratio Lower Upper
 73 100
 43 18.2 14.4 21.6

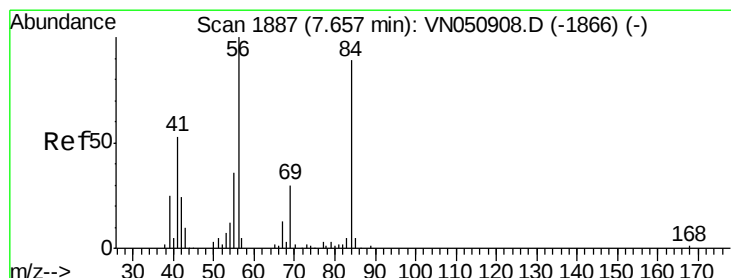
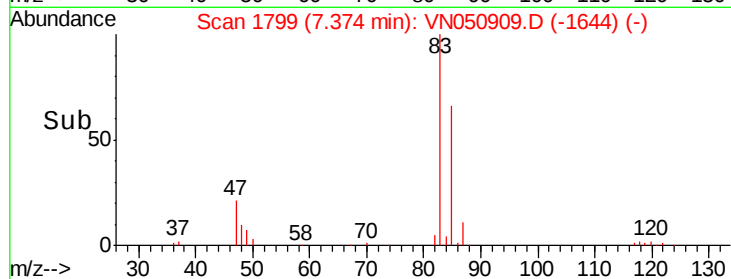
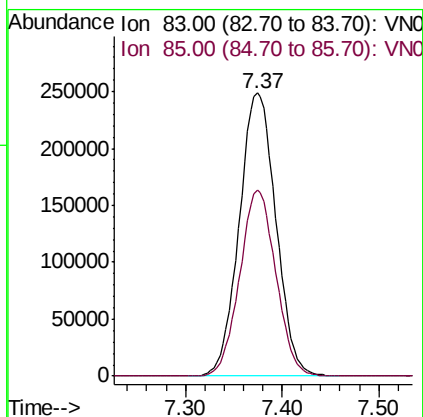
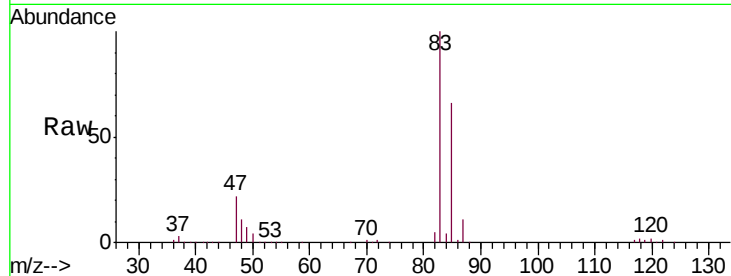




#25
Chloroform
Concen: 49.544 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

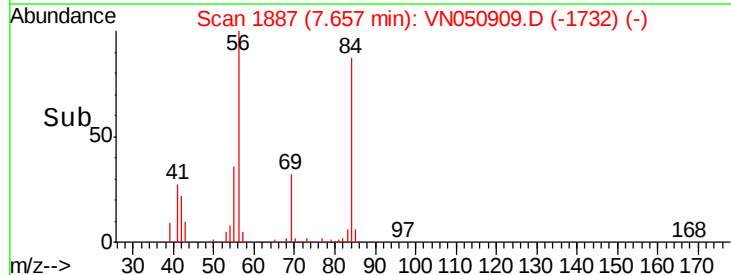
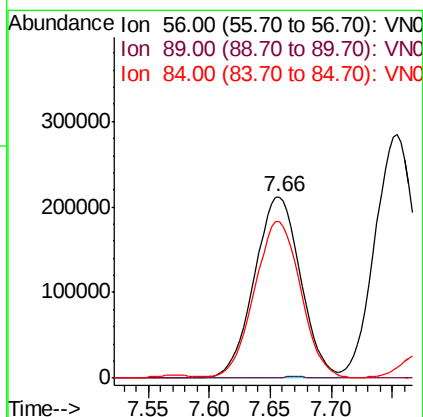
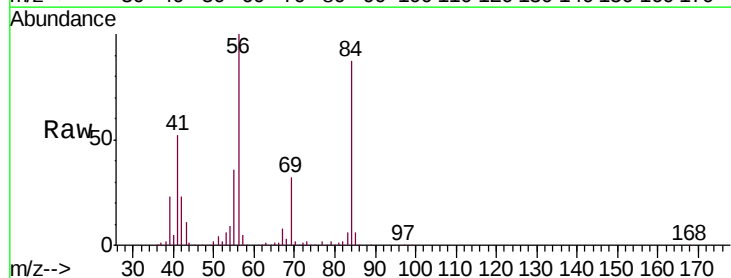
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

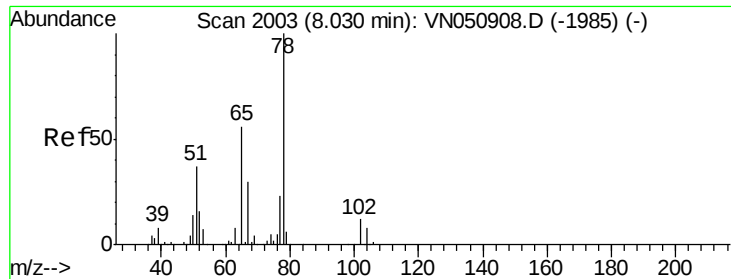
Tgt Ion: 83 Resp: 655022
Ion Ratio Lower Upper
83 100
85 65.6 51.4 77.0



#26
Cyclohexane
Concen: 50.944 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 56 Resp: 559094
Ion Ratio Lower Upper
56 100
89 0.6 0.4 0.6
84 86.7 70.4 105.6

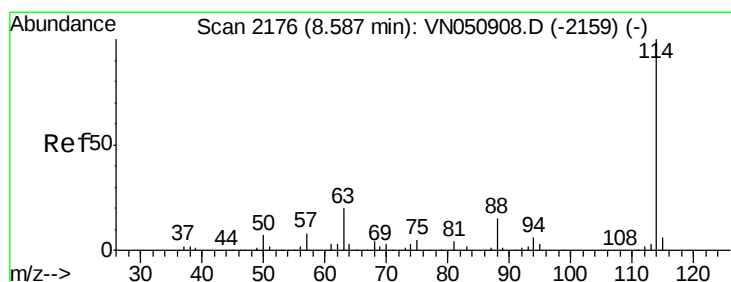
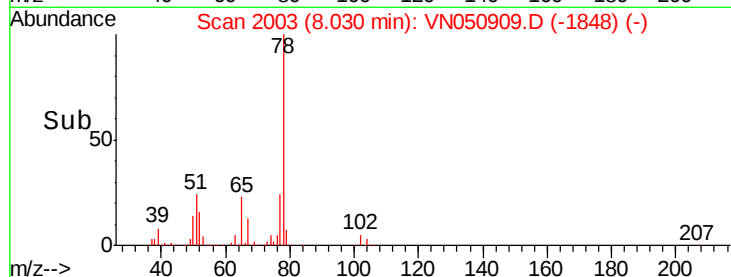
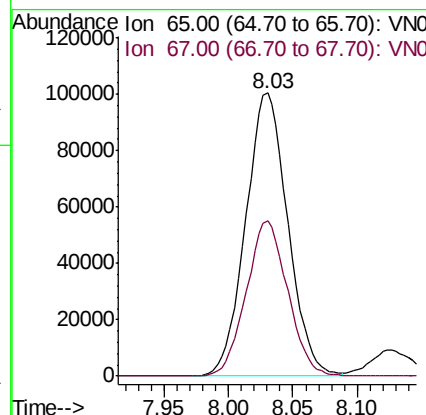
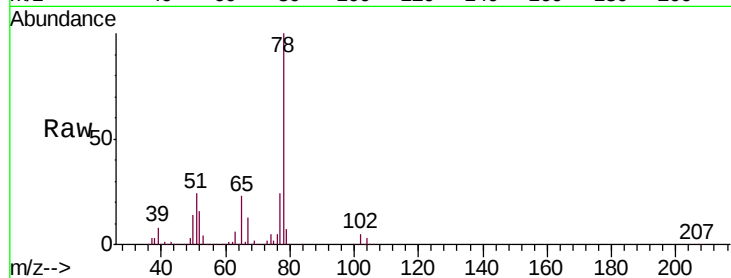




#27
 1,2-Dichloroethane-d4
 Concen: 29.340 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

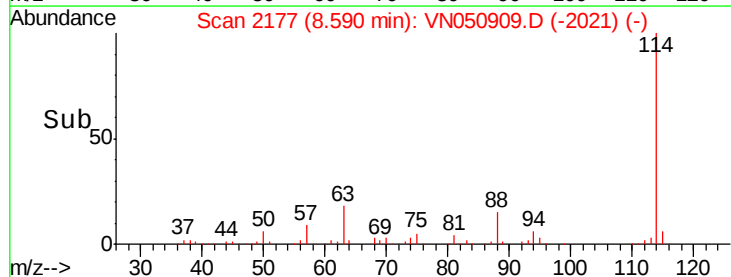
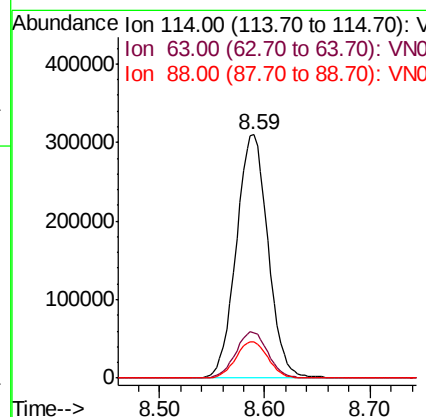
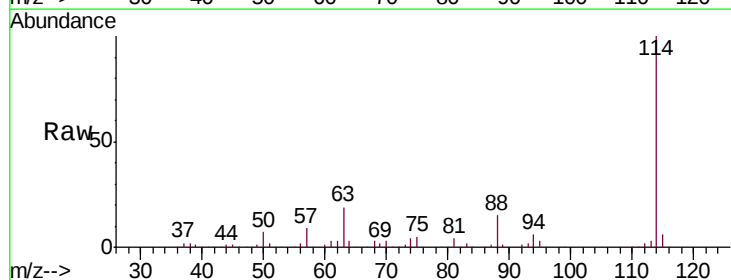
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

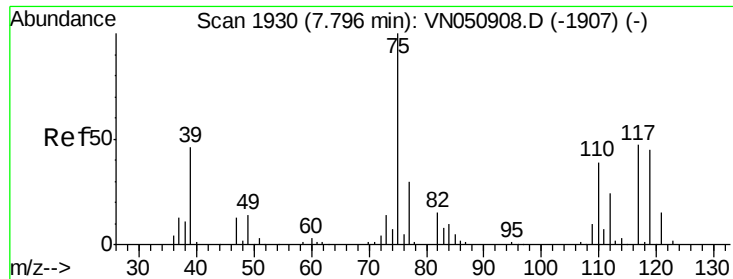
Tgt Ion: 65 Resp: 229207
 Ion Ratio Lower Upper
 65 100
 67 53.9 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 114 Resp: 646943
 Ion Ratio Lower Upper
 114 100
 63 19.4 15.6 23.4
 88 15.2 12.2 18.4

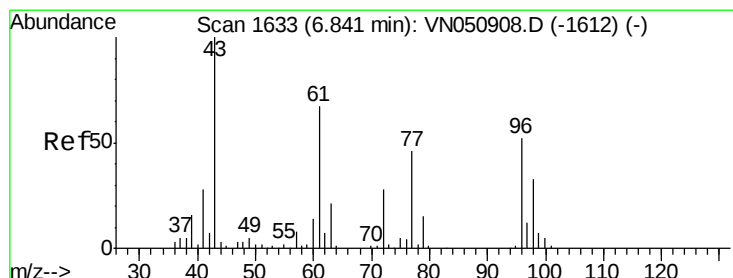
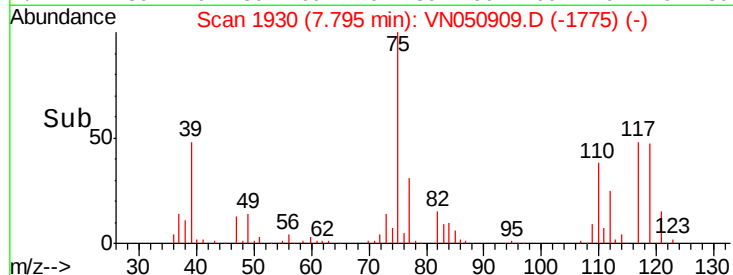
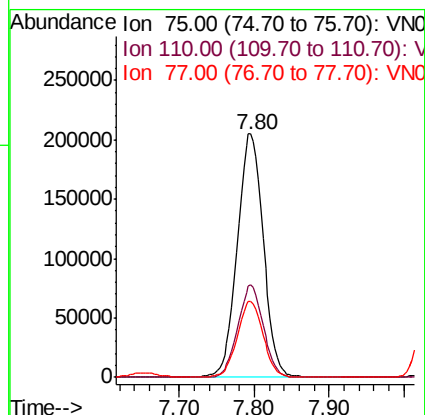
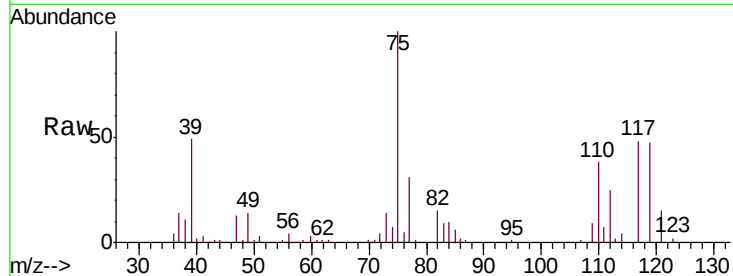




#29
 1,1-Dichloropropene
 Concen: 51.283 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

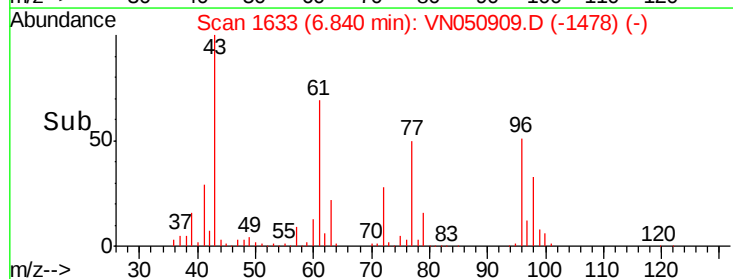
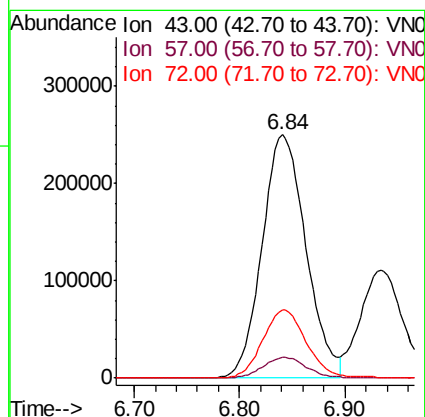
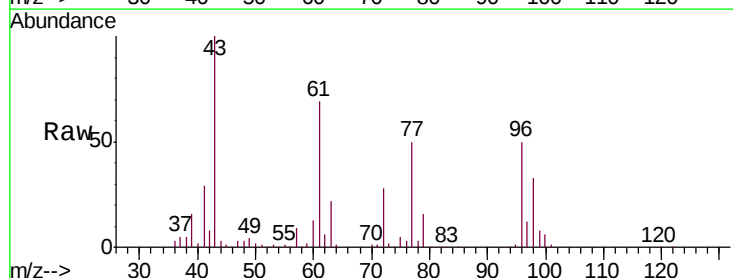
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

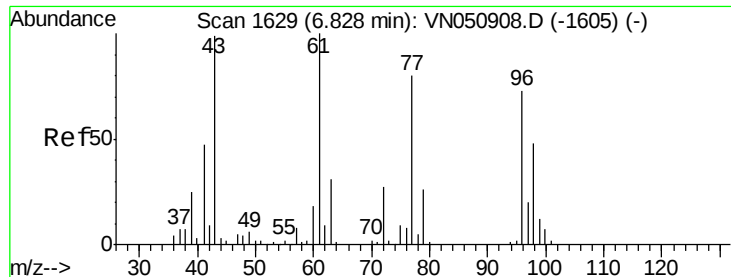
Tgt Ion: 75 Resp: 496701
 Ion Ratio Lower Upper
 75 100
 110 37.0 0.0 75.0
 77 31.1 0.0 60.6



#30
 2-Butanone
 Concen: 242.533 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 43 Resp: 722633
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.9 10.3
 72 27.9 22.8 34.2

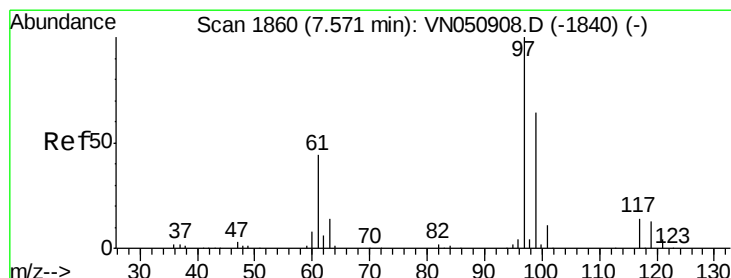
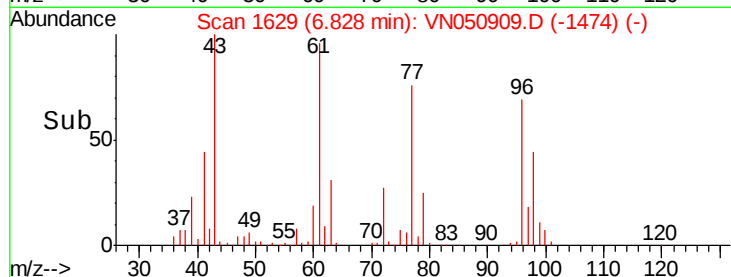
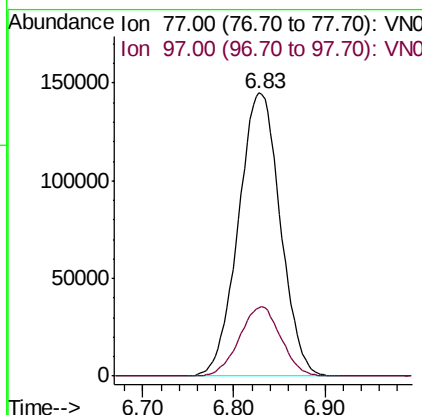
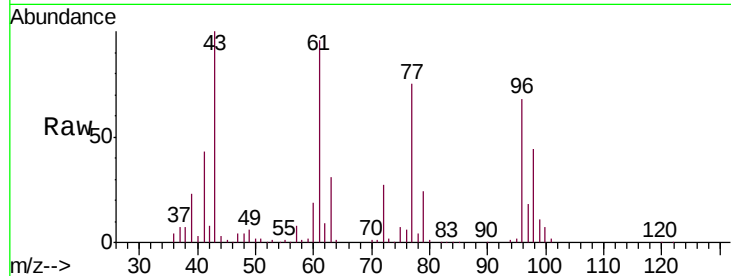




#31
 2,2-Dichloropropane
 Concen: 49.152 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

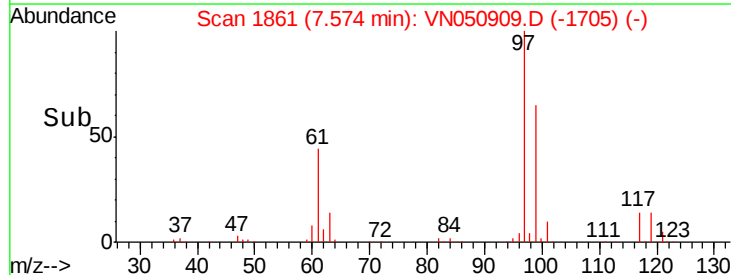
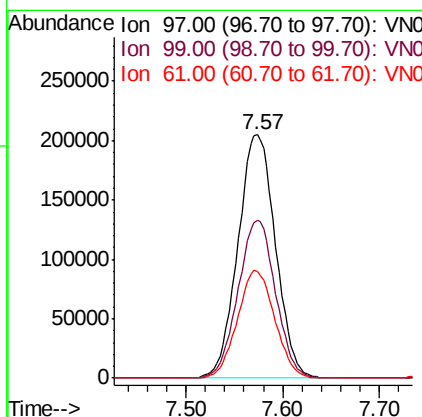
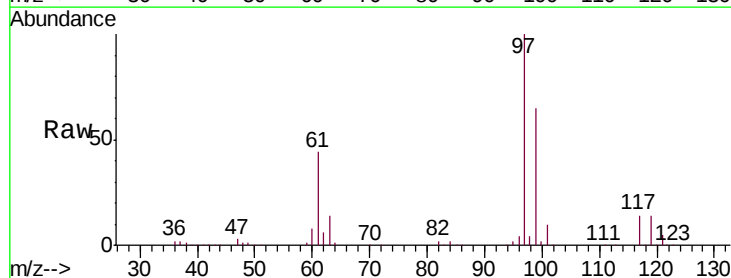
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

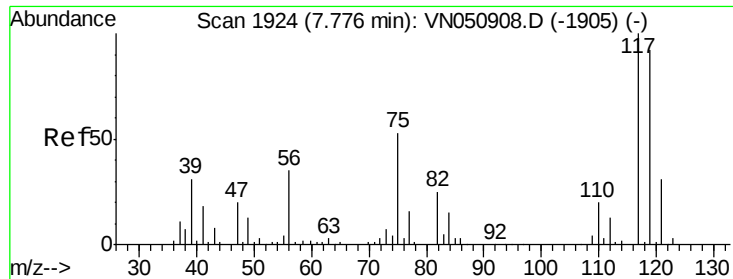
Tgt Ion: 77 Resp: 463224
 Ion Ratio Lower Upper
 77 100
 97 24.2 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 50.370 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 97 Resp: 553216
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.0 78.0
 61 43.9 35.0 52.6

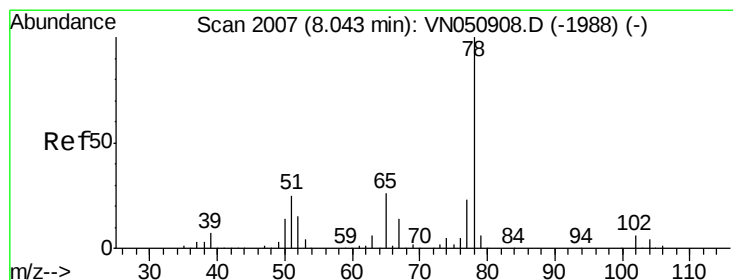
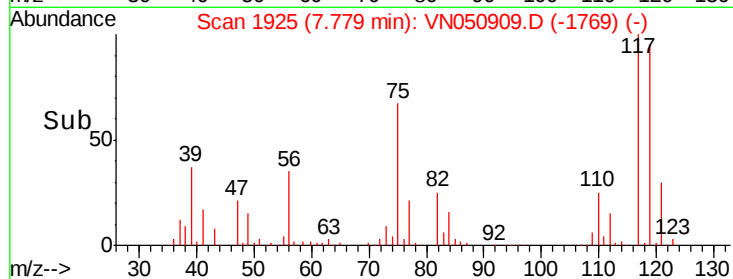
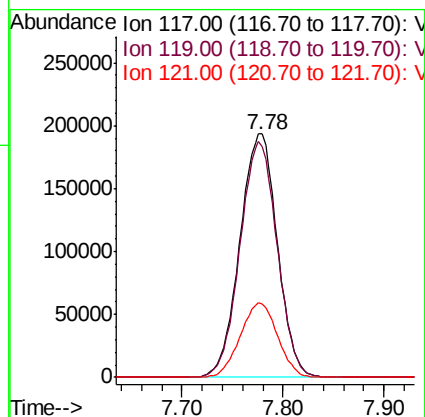
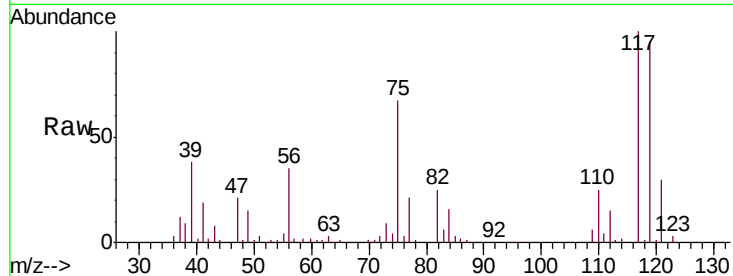




#33
Carbon Tetrachloride
Concen: 50.259 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

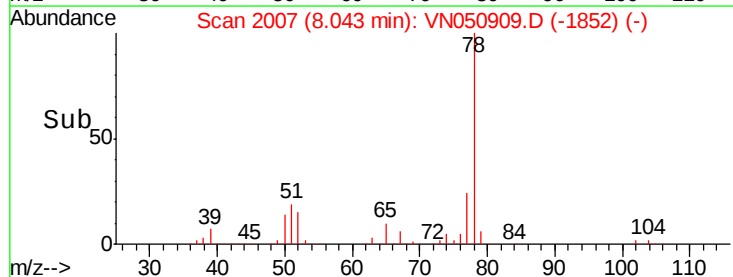
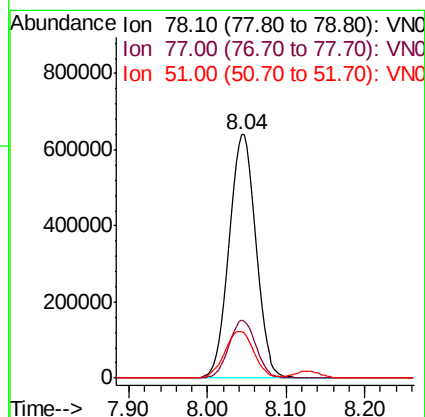
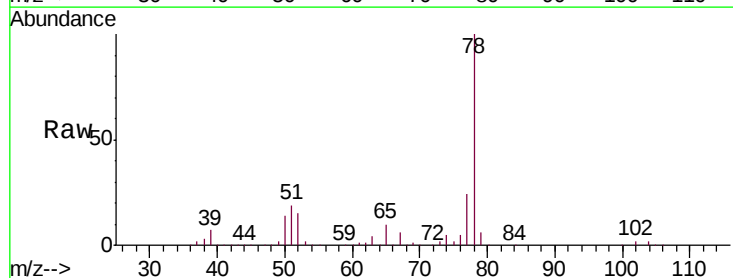
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

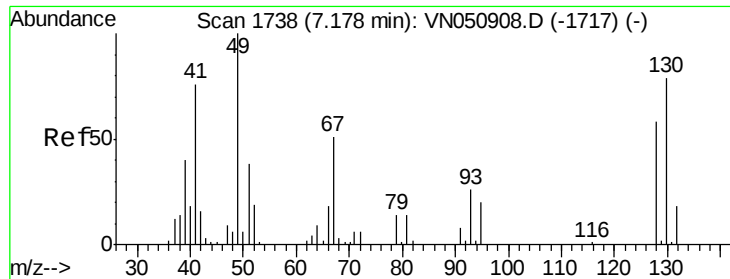
Tgt Ion:117 Resp: 497102
Ion Ratio Lower Upper
117 100
119 95.0 73.5 110.3
121 30.1 24.6 37.0



#34
Benzene
Concen: 50.377 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 78 Resp: 1509396
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0
51 19.1 20.0 30.0#

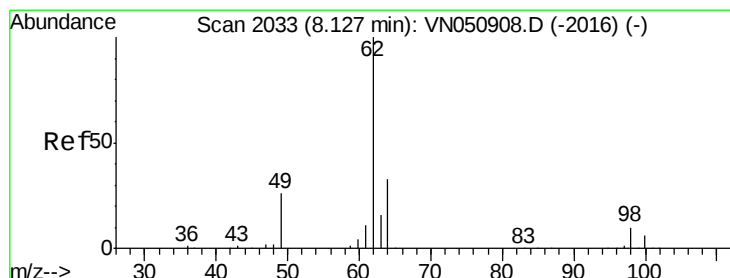
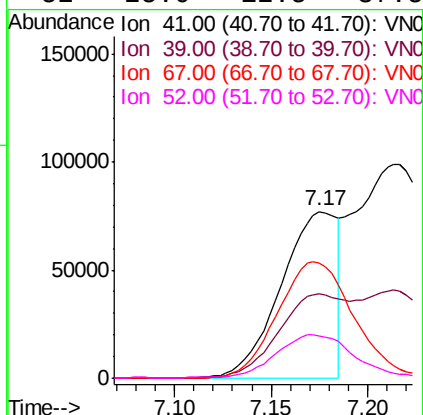
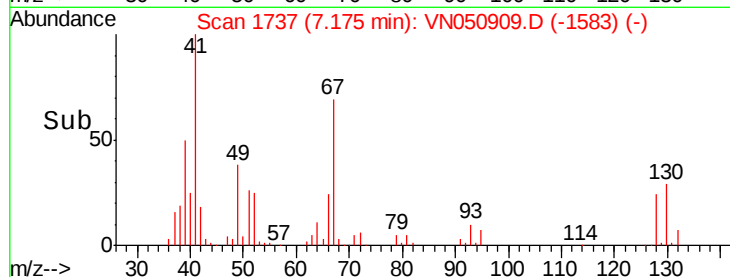
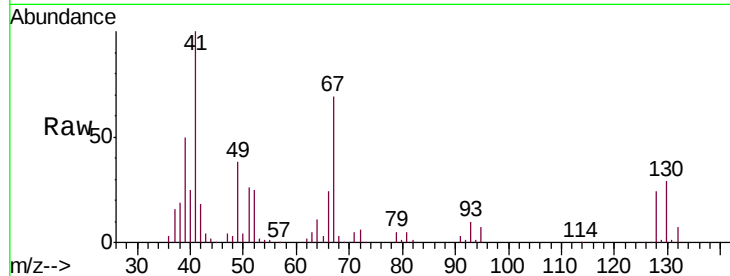




#35
Methacrylonitrile
Concen: 47.929 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

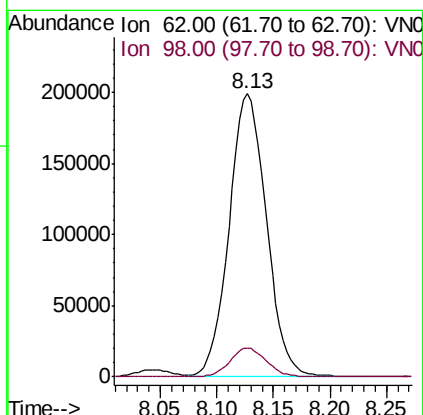
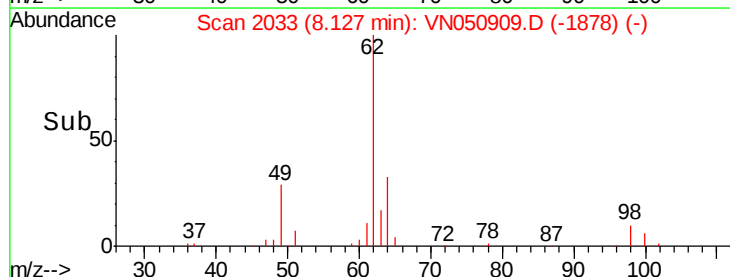
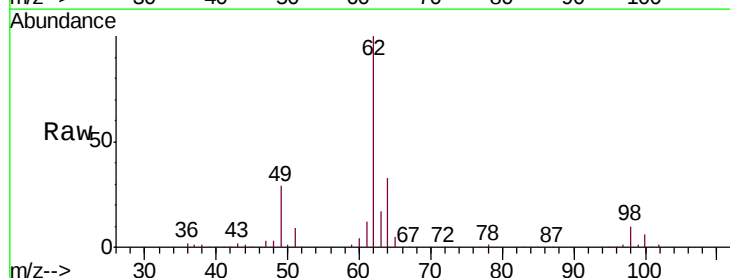
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

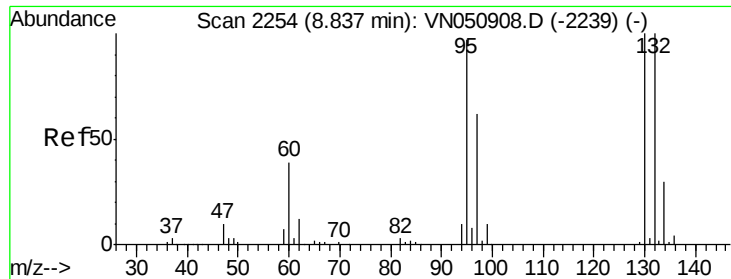
Tgt Ion:	41	Resp:	156458
Ion	Ratio	Lower	Upper
41	100		
39	50.3	26.2	78.5
67	69.0	33.9	101.6
52	25.0	12.5	37.5



#36
1,2-Dichloroethane
Concen: 50.111 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion:	62	Resp:	454087
Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.0	12.0





#37

Trichloroethene

Concen: 49.870 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

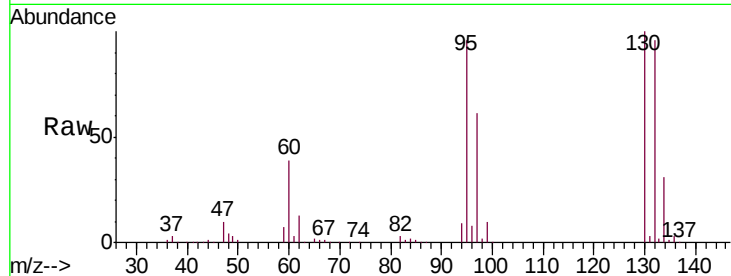
VSTDIC050

Tgt Ion:130 Resp: 390546

Ion Ratio Lower Upper

130 100

95 95.8 77.4 116.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

200000

150000

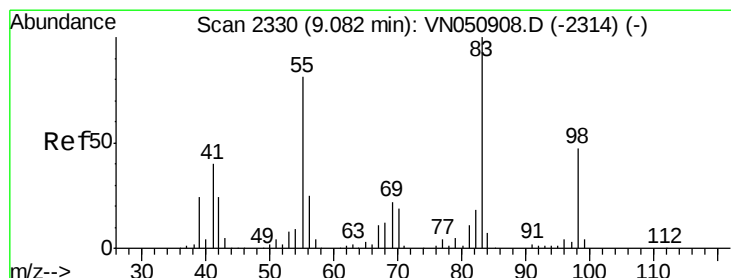
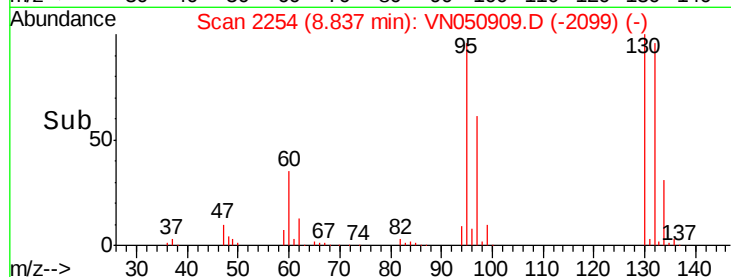
100000

50000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 50.951 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

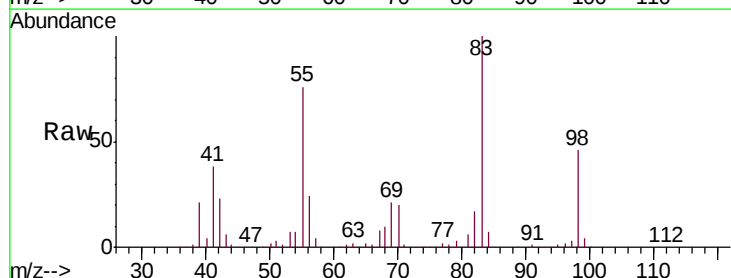
Tgt Ion: 83 Resp: 530009

Ion Ratio Lower Upper

83 100

55 75.6 38.9 116.7

98 46.2 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

300000

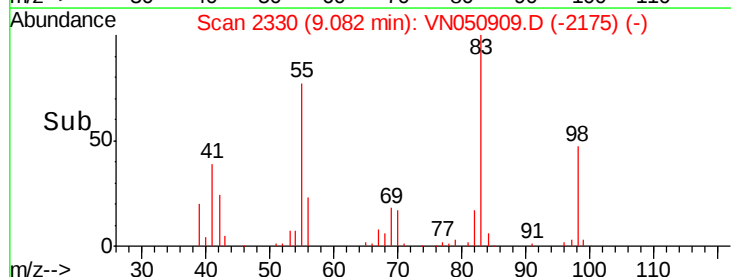
200000

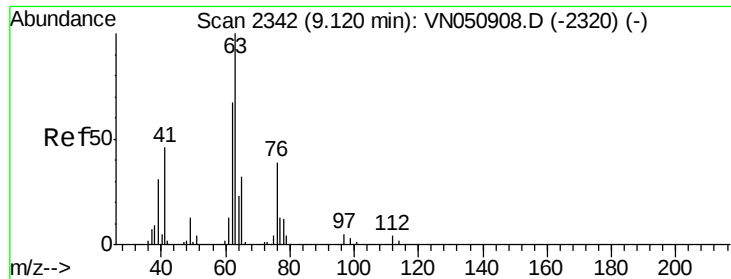
100000

0

9.00 9.10 9.20

Time-->

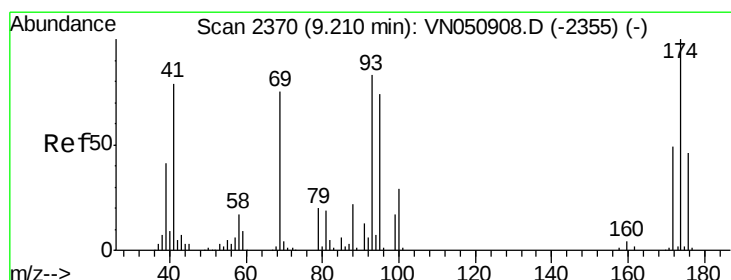
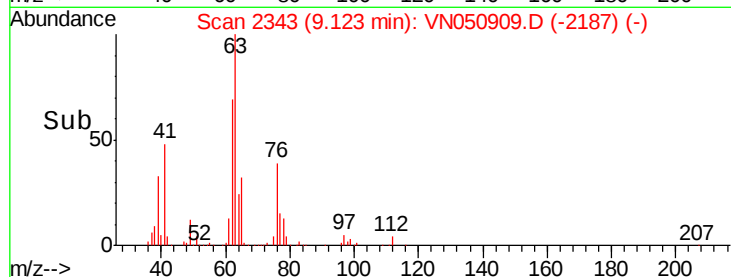
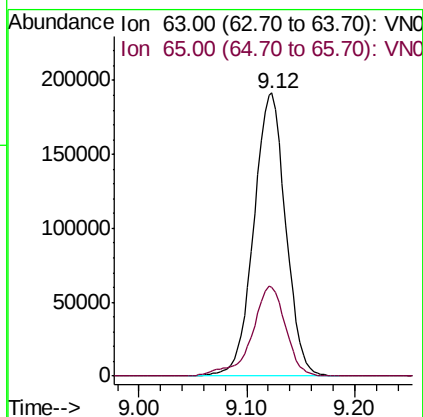
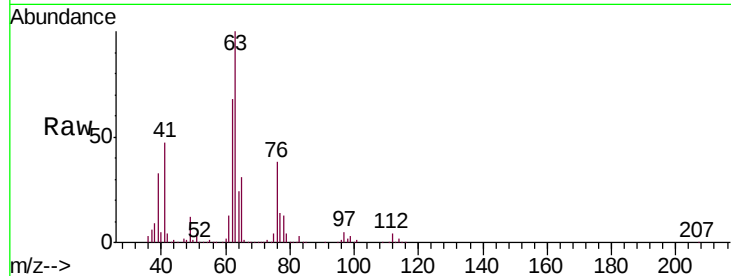




#39
 1,2-Dichloropropane
 Concen: 50.133 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

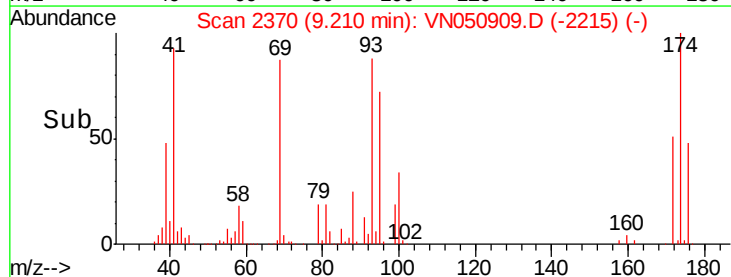
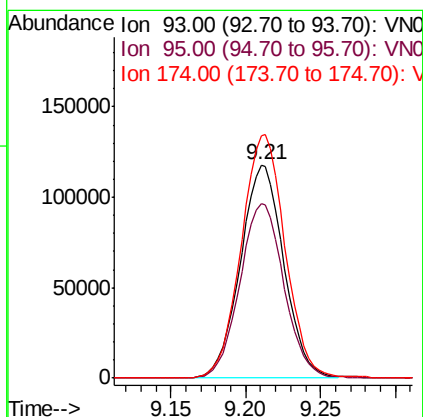
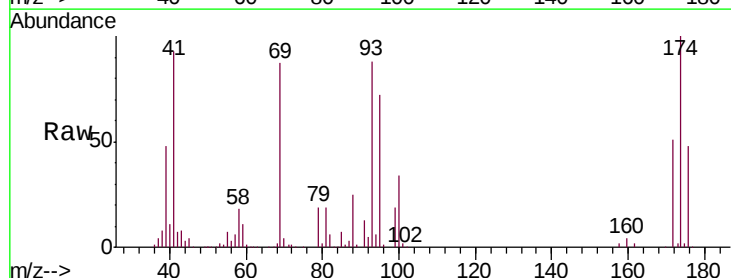
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

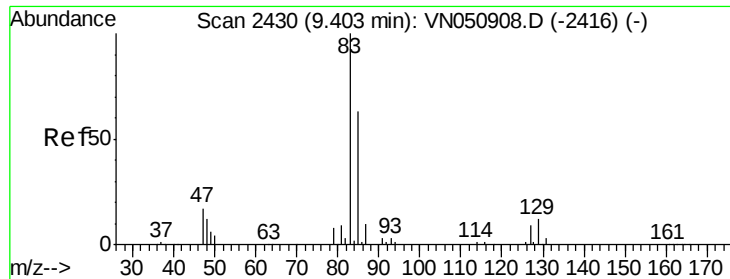
Tgt Ion: 63 Resp: 392313
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.6 38.4



#40
 Dibromomethane
 Concen: 50.394 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 93 Resp: 237550
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 173.4
 174 115.7 0.0 234.8





#41

Bromodichloromethane

Concen: 50.438 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

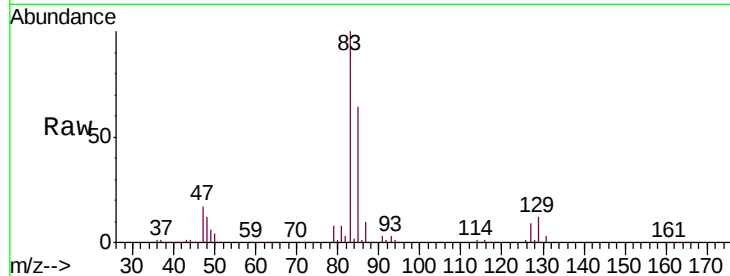
Tgt Ion: 83 Resp: 501196

Ion Ratio Lower Upper

83 100

85 63.7 50.6 76.0

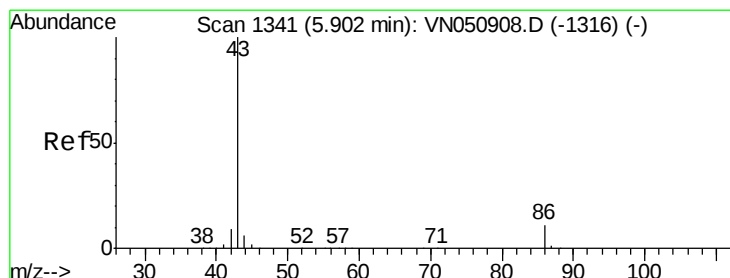
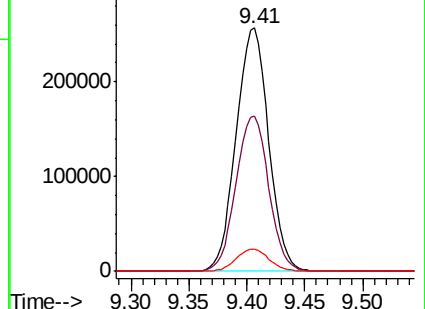
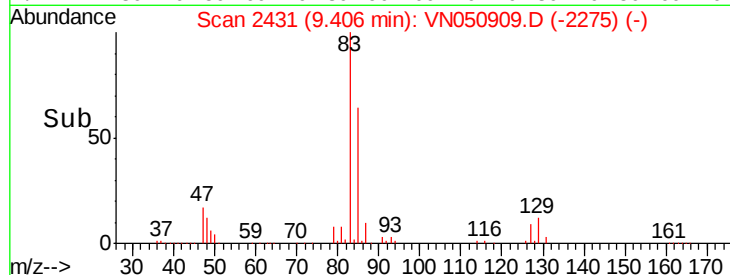
127 8.9 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN050909.D (-2275) (-)

Ion 85.00 (84.70 to 85.70): VN050909.D (-2275) (-)

Ion 127.00 (126.70 to 127.70): VN050909.D (-2275) (-)



#42

Vinyl Acetate

Concen: 260.925 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050909.D

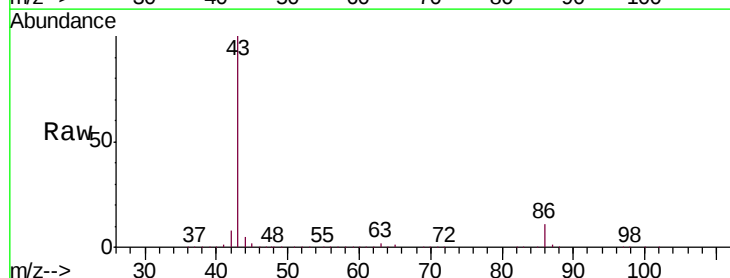
Acq: 28 Aug 2018 12:50

Tgt Ion: 43 Resp: 3580926

Ion Ratio Lower Upper

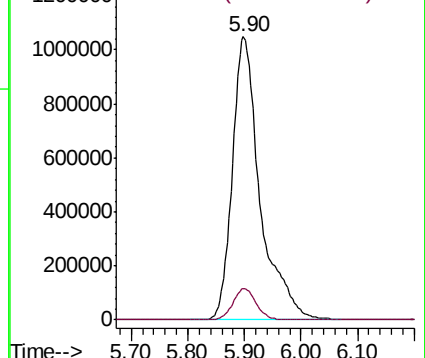
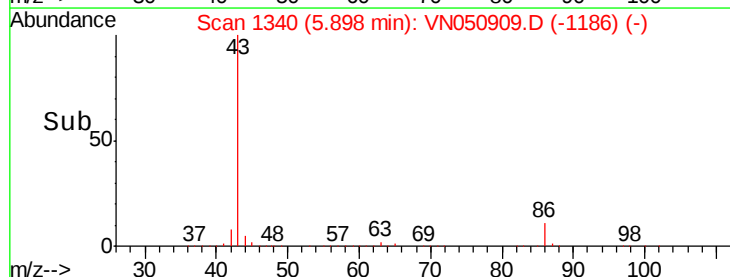
43 100

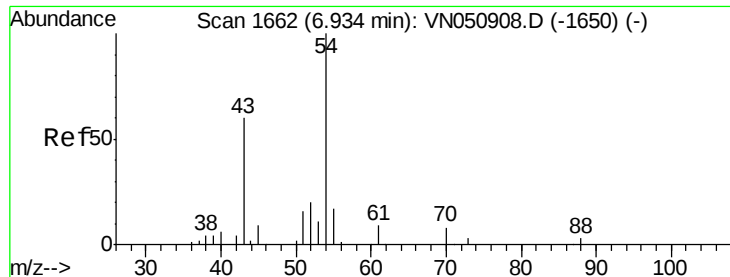
86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN050909.D (-1186) (-)

Ion 86.00 (85.70 to 86.70): VN050909.D (-1186) (-)

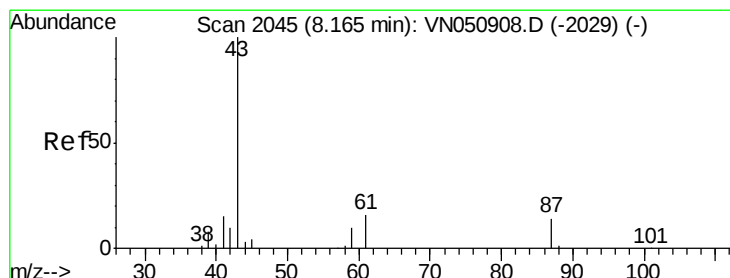
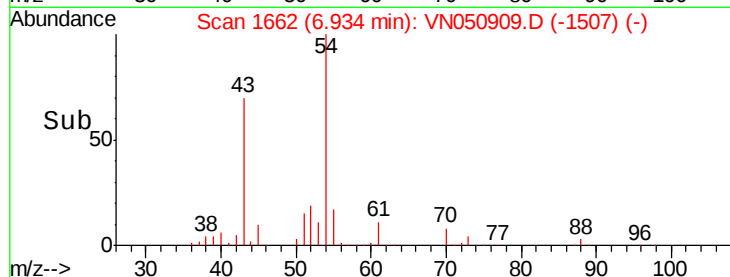
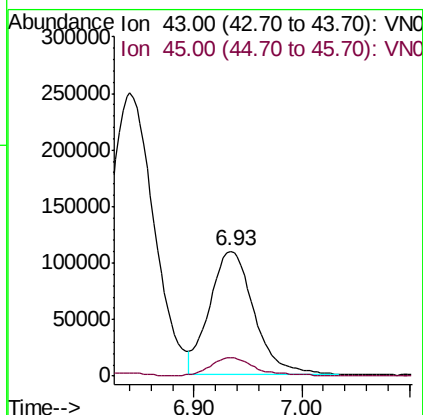
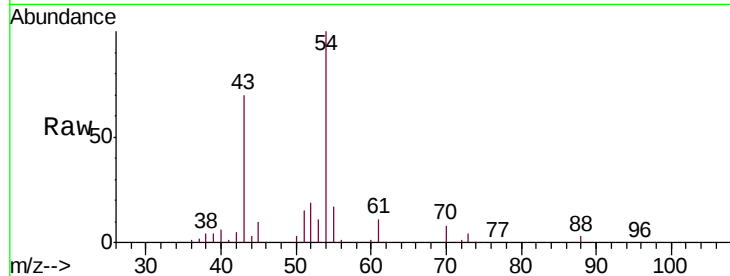




#43
Ethyl Acetate
Concen: 50.921 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

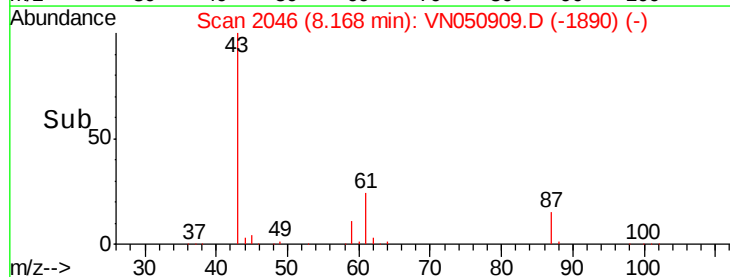
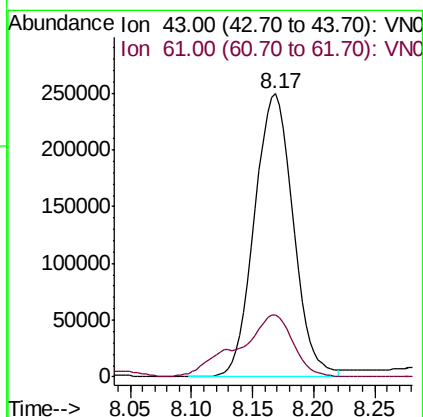
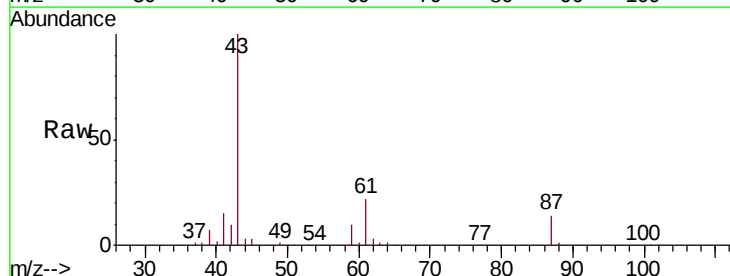
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

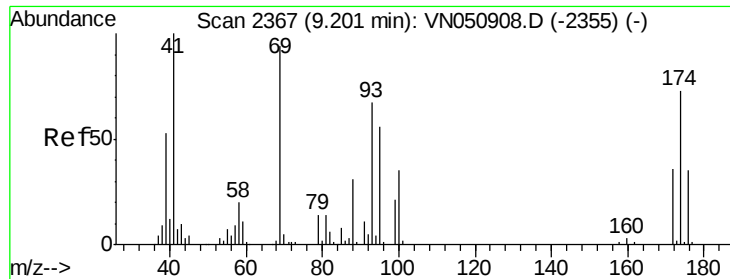
Tgt Ion: 43 Resp: 310810
Ion Ratio Lower Upper
43 100
45 15.1 10.2 15.2



#44
Isopropyl Acetate
Concen: 51.100 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 43 Resp: 550377
Ion Ratio Lower Upper
43 100
61 20.3 16.3 24.5





#45

1,4-Dioxane

Concen: 1031.573 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

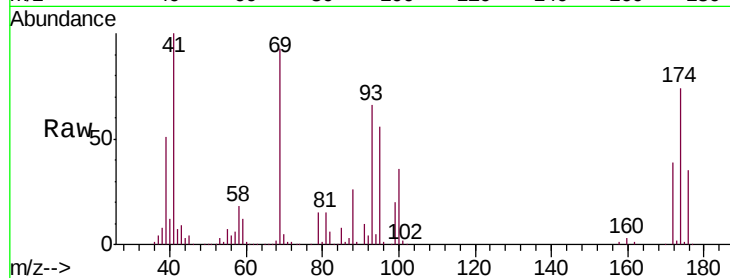
Tgt Ion: 88 Resp: 82534

Ion Ratio Lower Upper

88 100

43 32.3 23.5 35.3

58 71.3 55.2 82.8

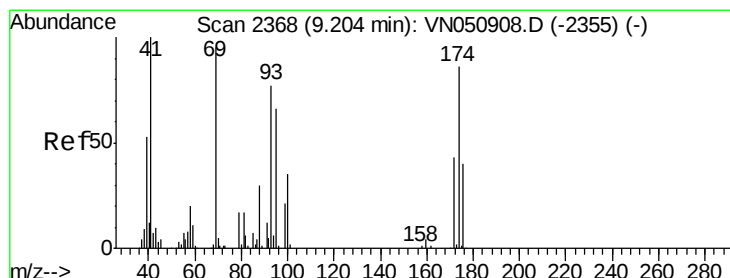
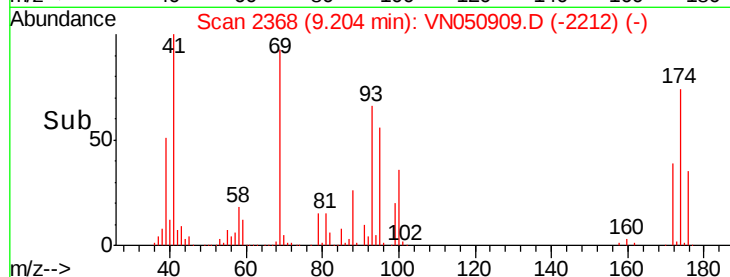
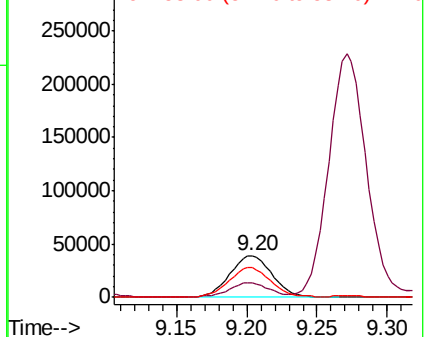


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 51.453 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

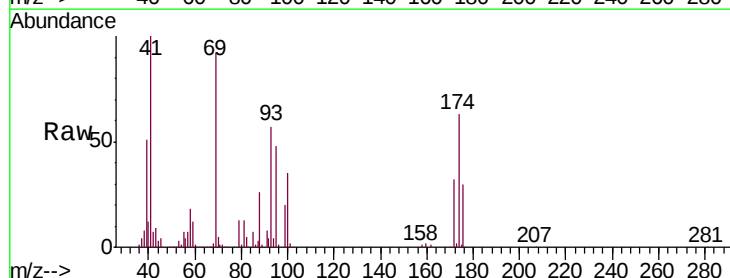
Tgt Ion: 41 Resp: 277546

Ion Ratio Lower Upper

41 100

69 93.2 47.4 142.2

39 50.6 26.6 79.7

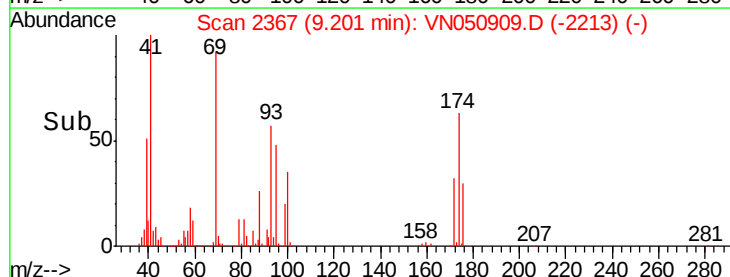
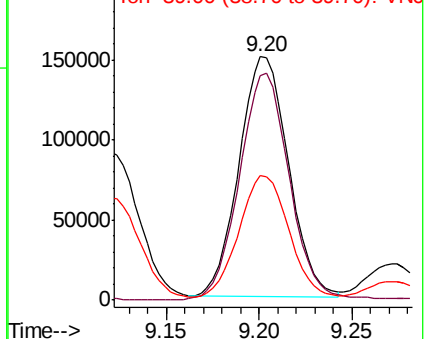


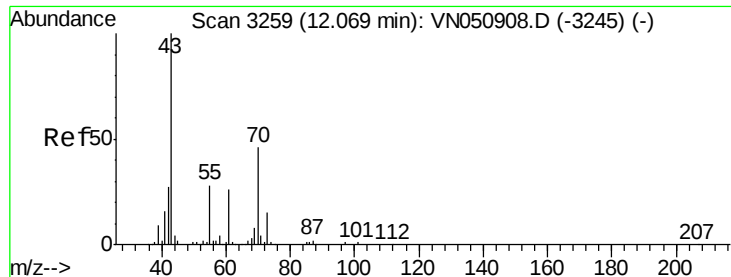
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

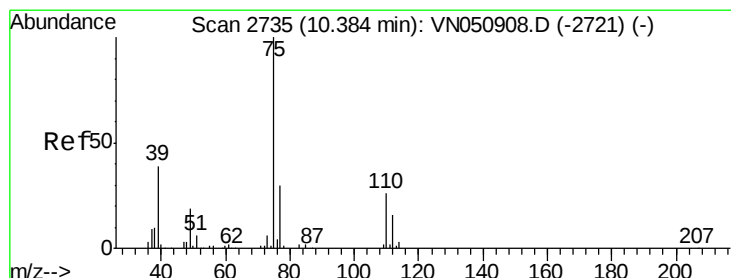
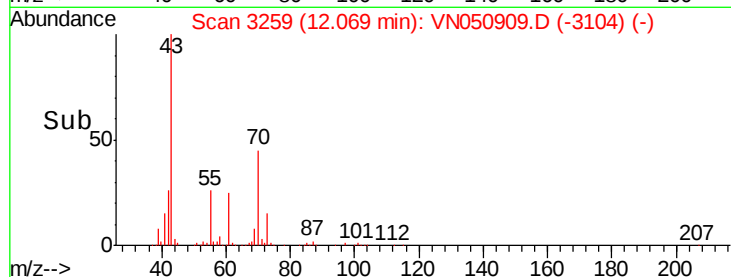
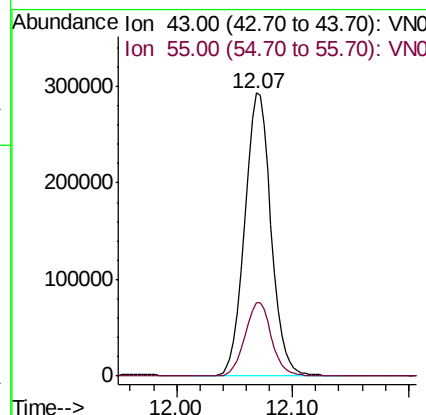
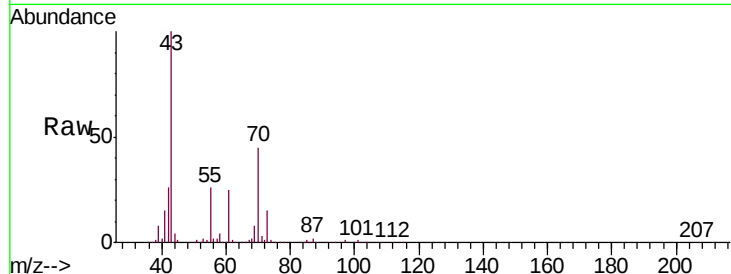




#47
n-amyl Acetate
Concen: 53.126 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

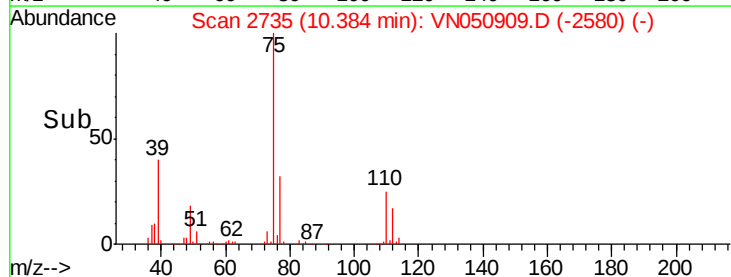
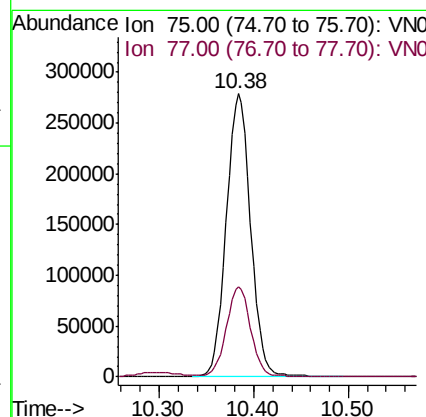
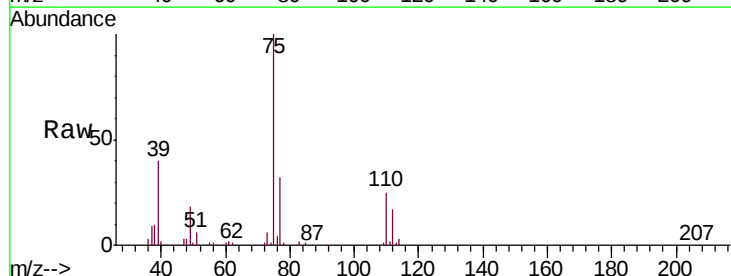
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

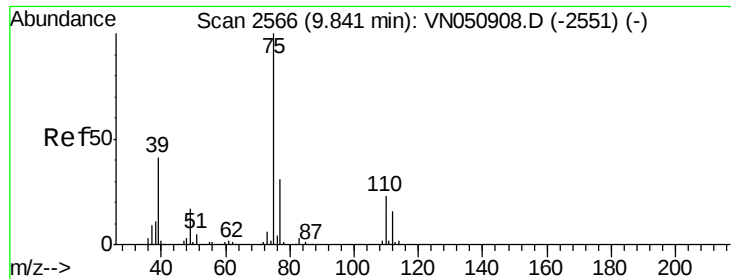
Tgt Ion: 43 Resp: 460031
Ion Ratio Lower Upper
43 100
55 26.4 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 51.073 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 75 Resp: 497481
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2

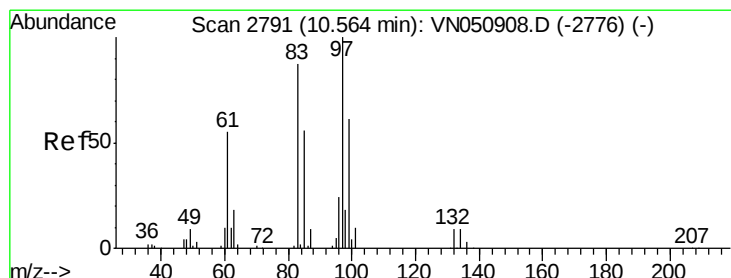
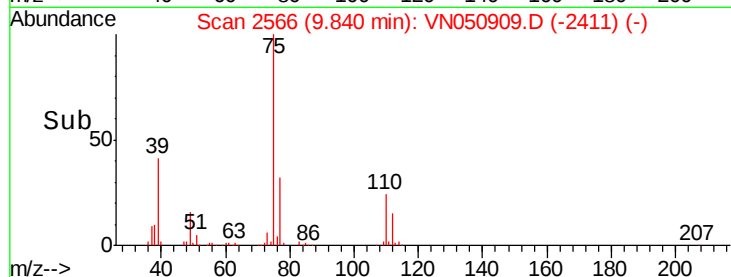
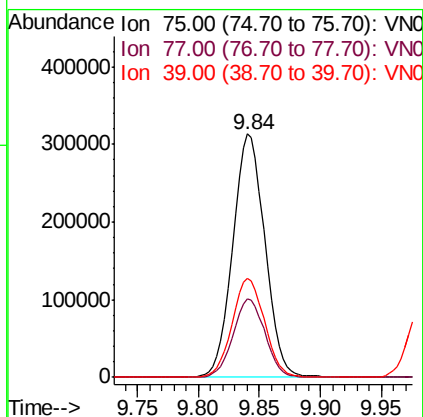
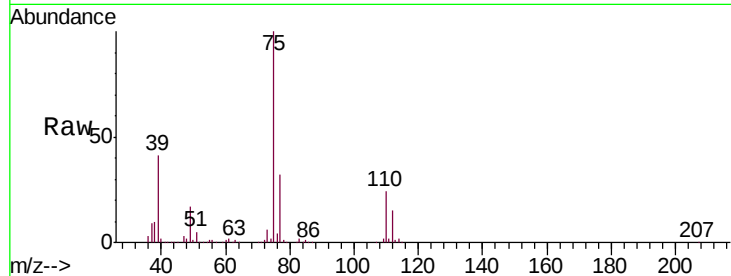




#49
 cis-1,3-Dichloropropene
 Concen: 51.188 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

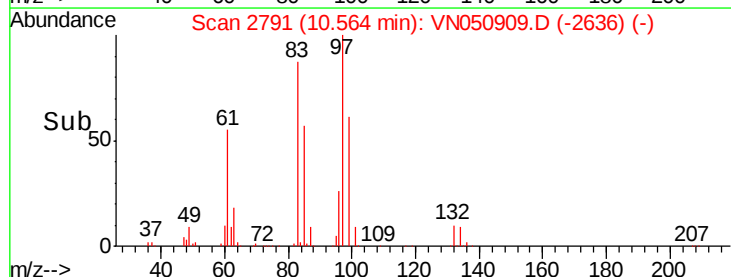
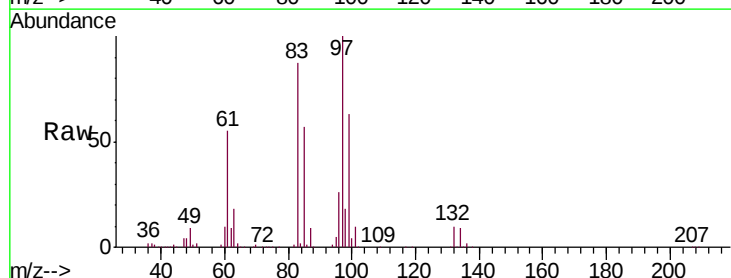
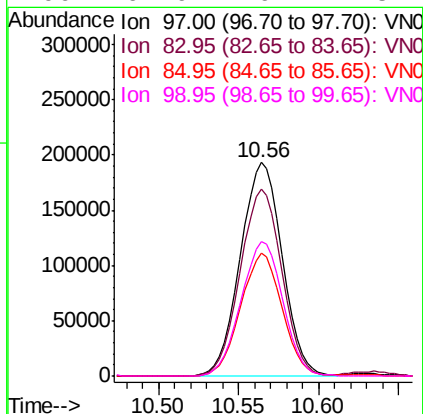
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

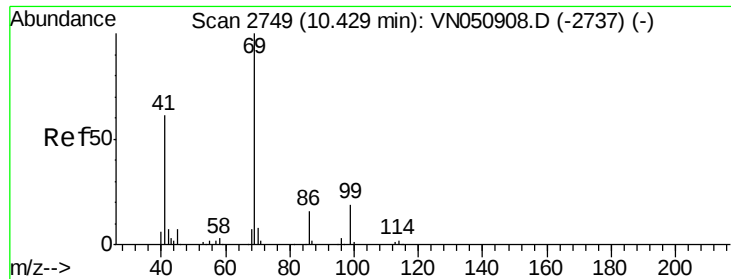
Tgt Ion: 75 Resp: 572751
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.4
 39 40.7 32.9 49.3



#50
 1,1,2-Trichloroethane
 Concen: 50.690 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 97 Resp: 347186
 Ion Ratio Lower Upper
 97 100
 83 87.3 69.8 104.6
 85 57.3 45.0 67.6
 99 62.9 49.1 73.7





#51

Ethyl methacrylate

Concen: 52.298 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

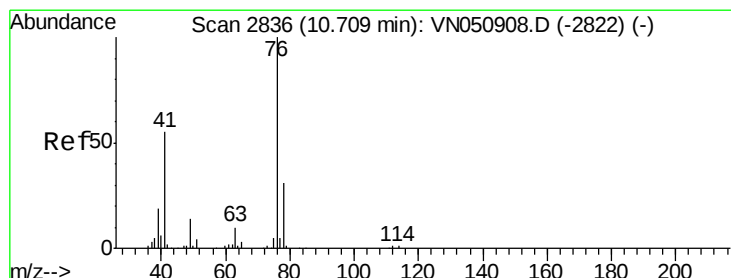
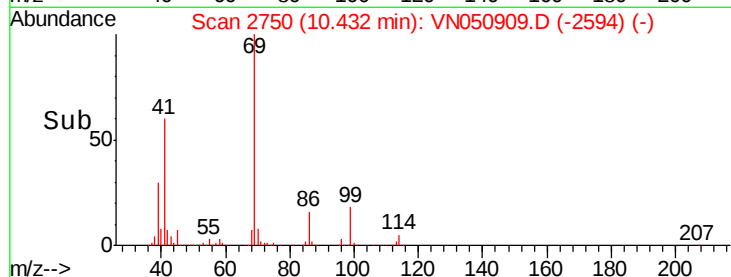
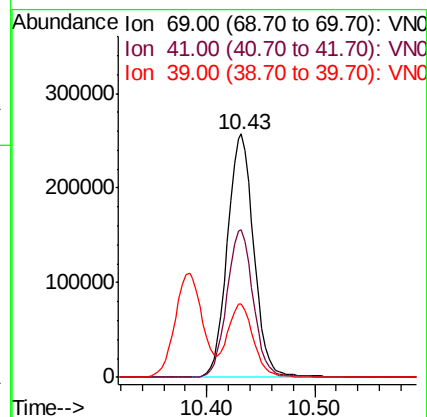
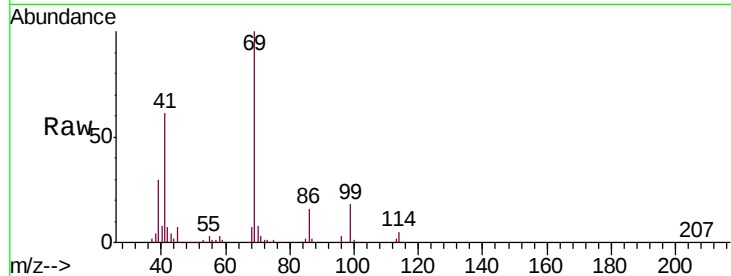
Tgt Ion: 69 Resp: 438265

Ion Ratio Lower Upper

69 100

41 60.4 30.5 91.5

39 29.8 15.3 45.8



#52

1,3-Dichloropropane

Concen: 50.428 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050909.D

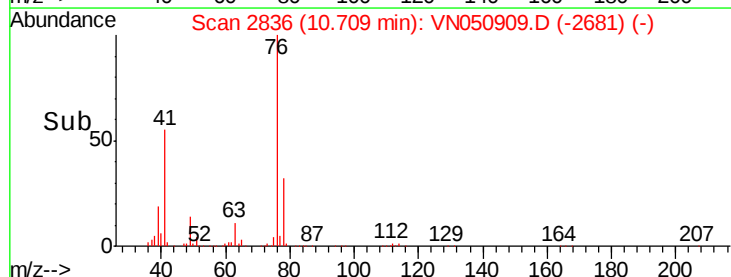
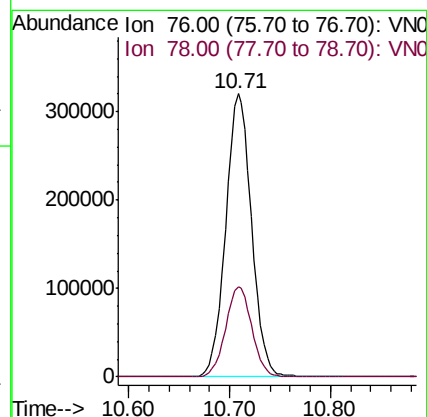
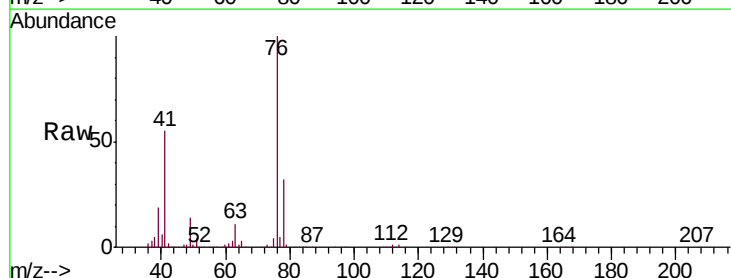
Acq: 28 Aug 2018 12:50

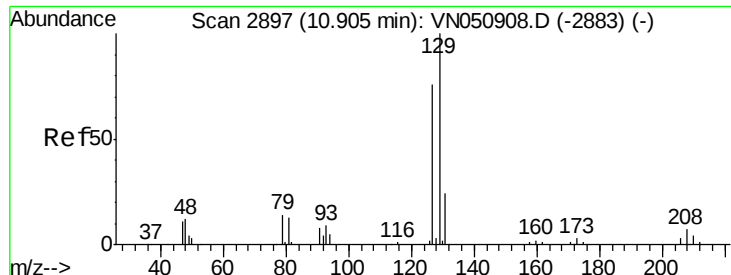
Tgt Ion: 76 Resp: 572110

Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.4

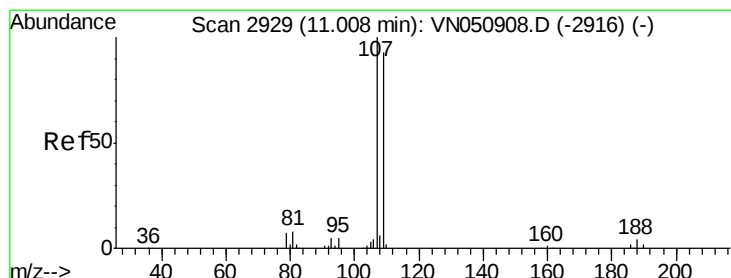
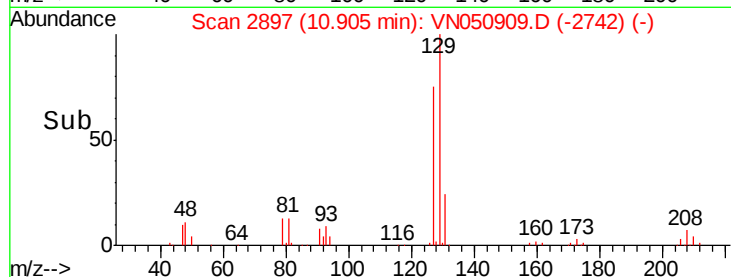
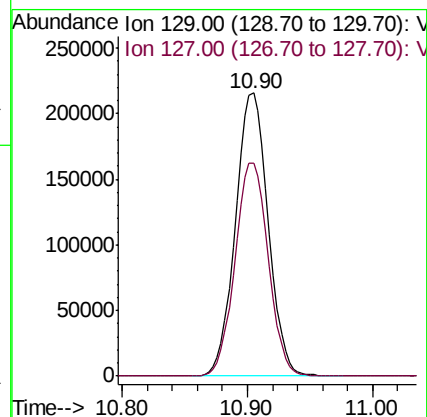
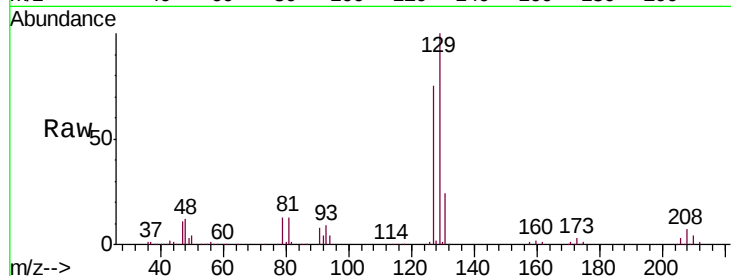




#53
Dibromochloromethane
Concen: 50.199 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

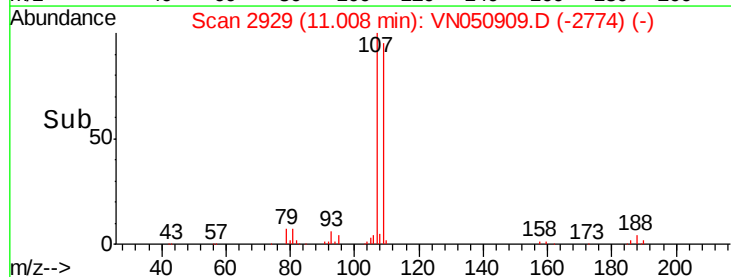
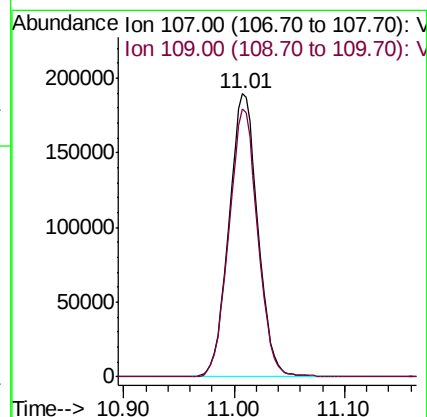
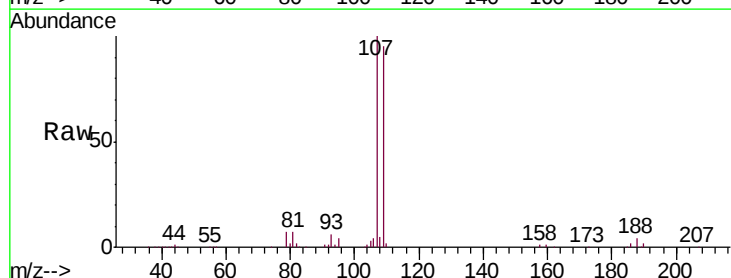
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

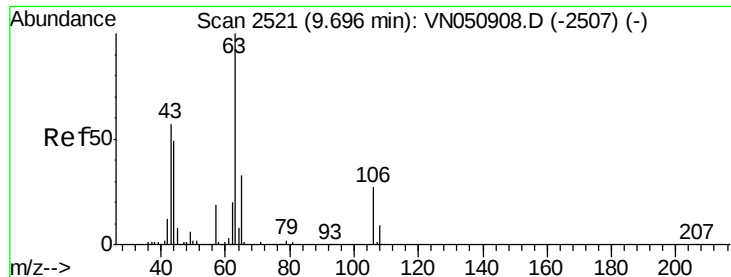
Tgt Ion:129 Resp: 390961
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9



#54
1,2-Dibromoethane
Concen: 50.695 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion:107 Resp: 343333
Ion Ratio Lower Upper
107 100
109 94.7 74.4 111.6

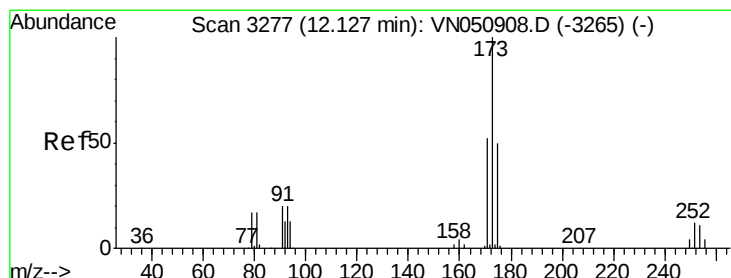
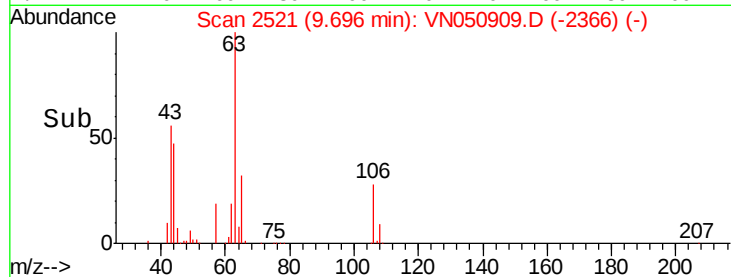
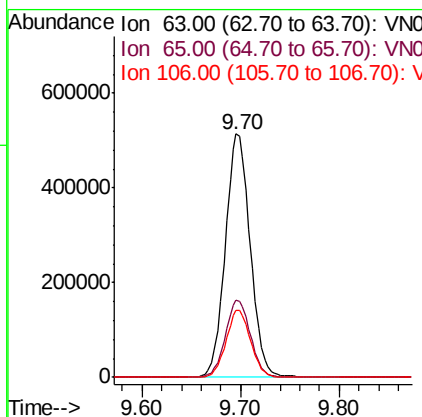
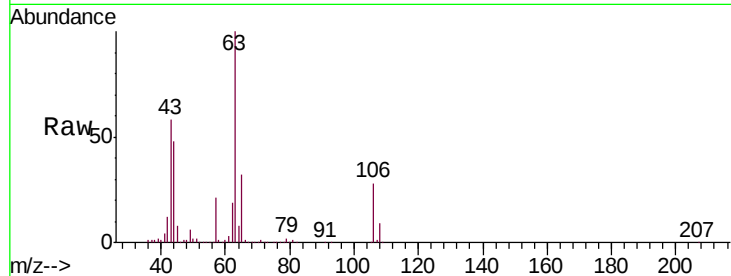




#55
 2-Chloroethyl vinyl ether
 Concen: 261.357 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

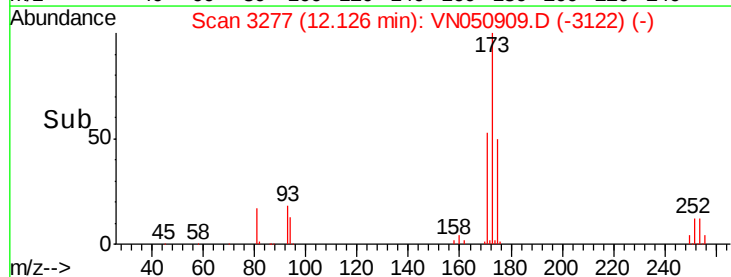
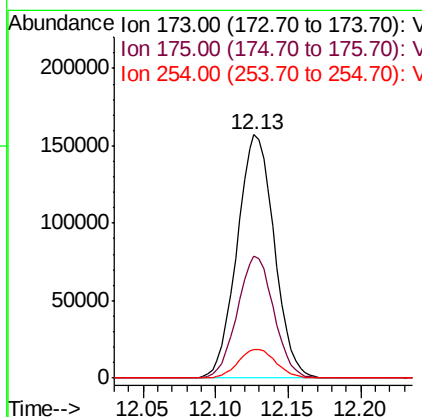
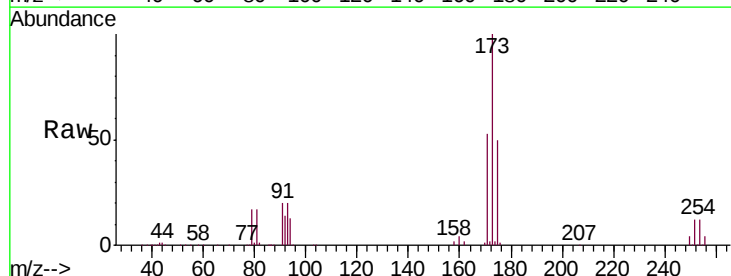
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

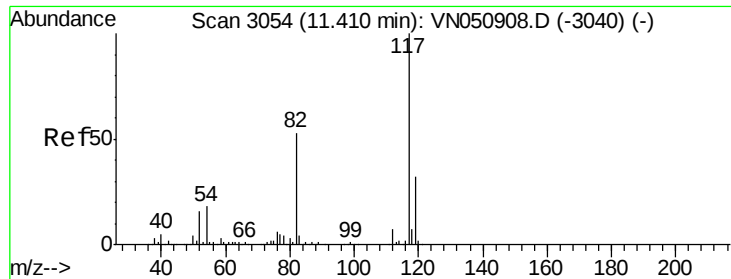
Tgt Ion: 63 Resp: 911305
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.2
 106 27.4 22.0 33.0



#56
 Bromoform
 Concen: 50.612 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 173 Resp: 280344
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.2 58.8
 254 12.0 9.0 13.6

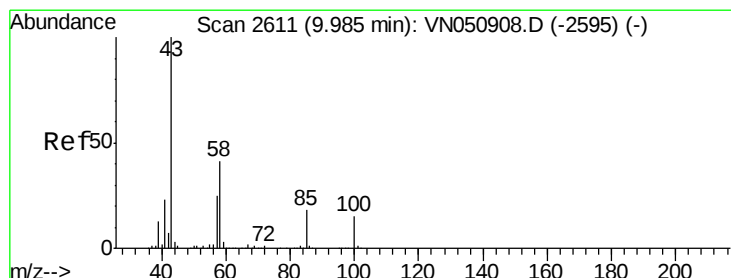
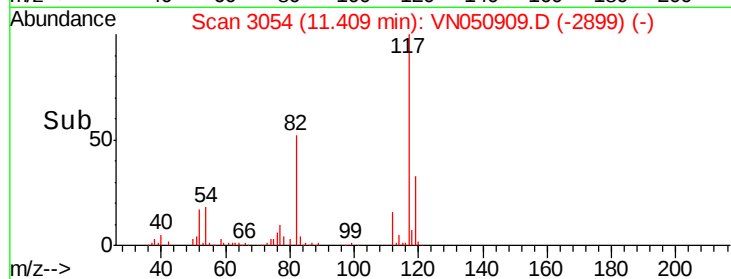
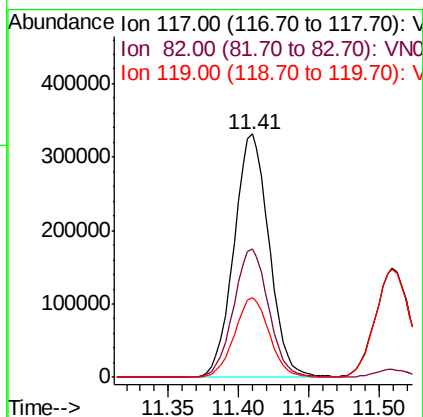
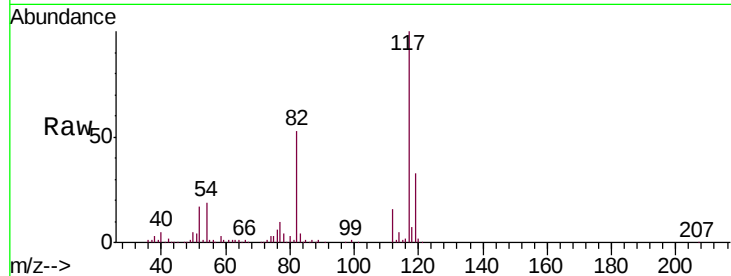




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

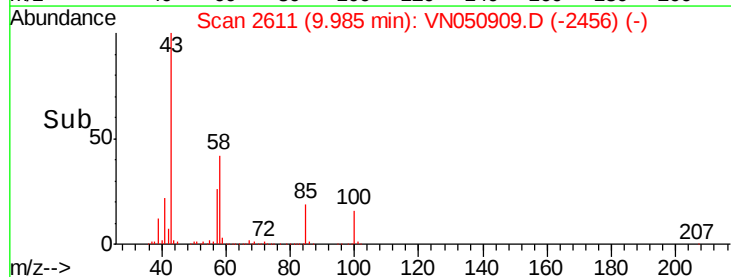
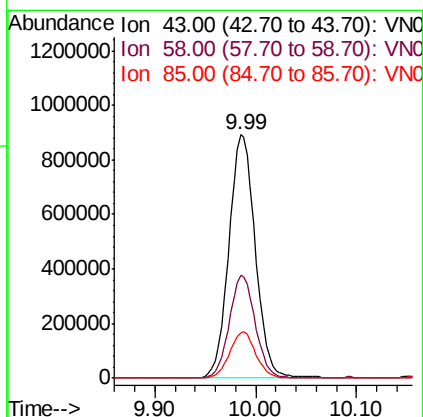
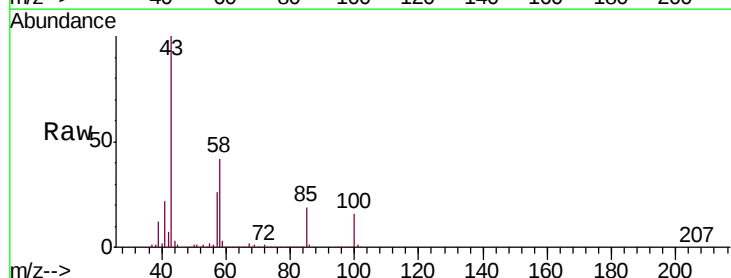
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

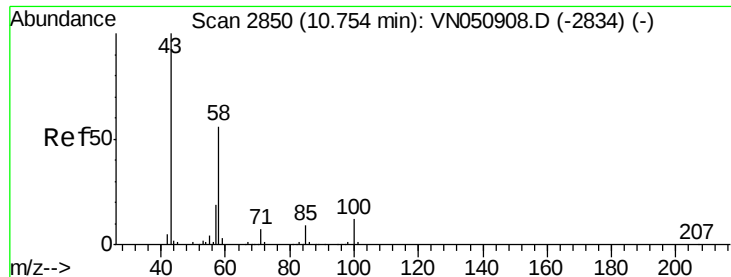
Tgt Ion:117 Resp: 578435
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.5 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 245.925 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 43 Resp: 1627581
Ion Ratio Lower Upper
43 100
58 41.6 32.3 48.5
85 18.8 14.9 22.3

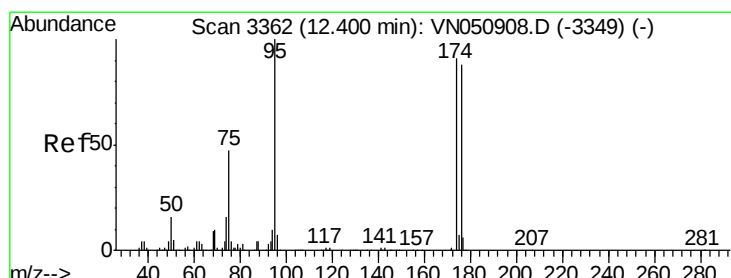
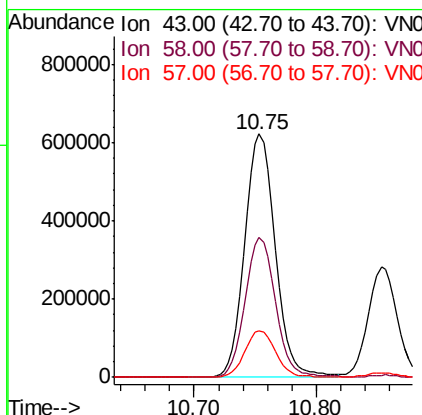
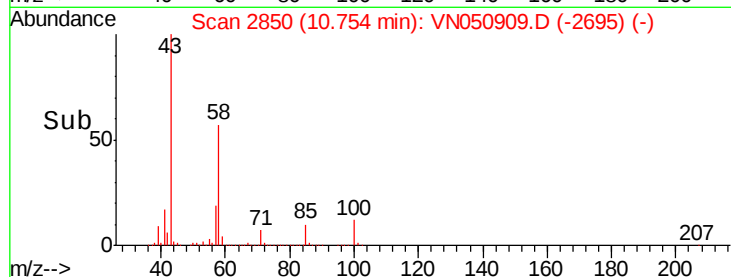
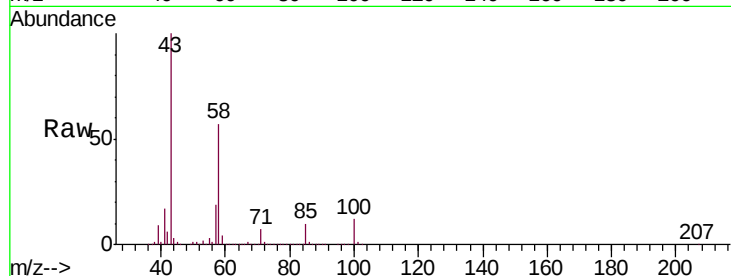




#59
2-Hexanone
Concen: 247.301 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

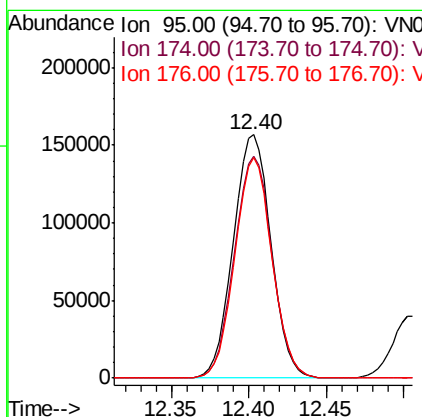
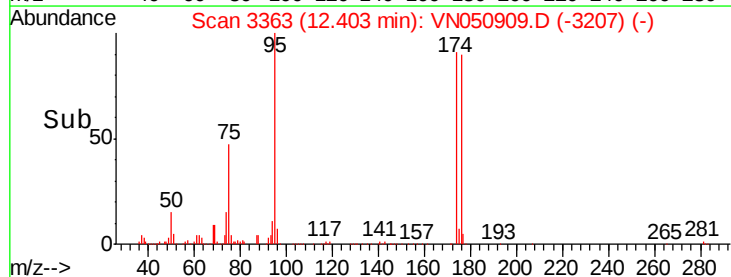
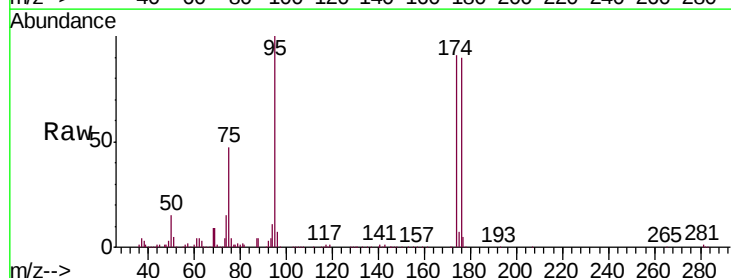
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

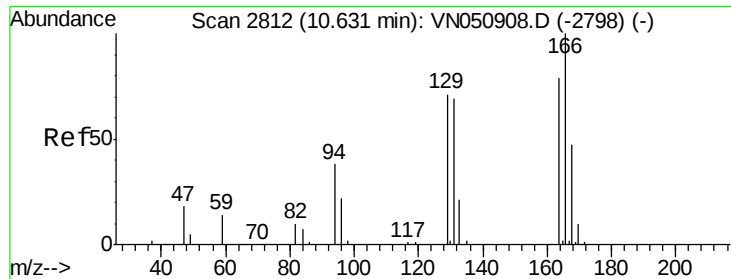
Tgt Ion: 43 Resp: 1069808
Ion Ratio Lower Upper
43 100
58 57.4 45.5 68.3
57 19.2 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 30.918 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 95 Resp: 265943
Ion Ratio Lower Upper
95 100
174 91.3 74.6 112.0
176 89.1 71.5 107.3





#61

Tetrachloroethene

Concen: 50.419 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 363420

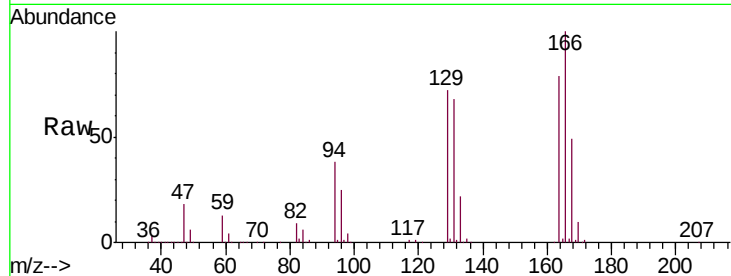
Ion Ratio Lower Upper

164 100

166 126.9 100.6 151.0

129 90.8 71.0 106.6

131 86.0 69.3 103.9

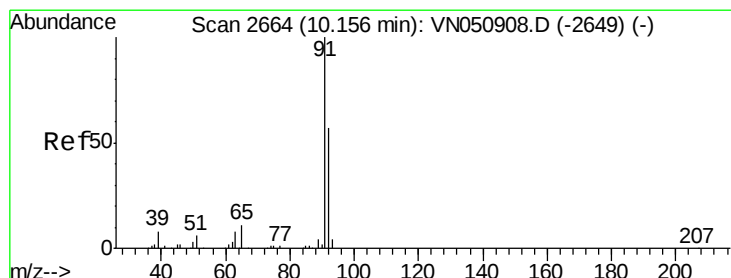
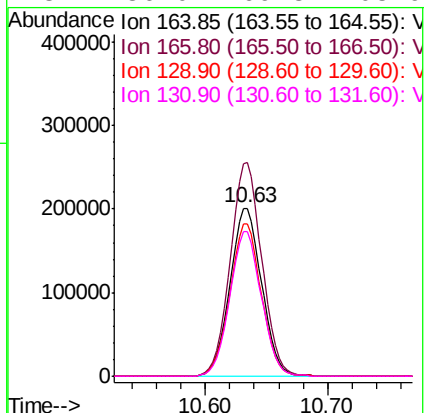
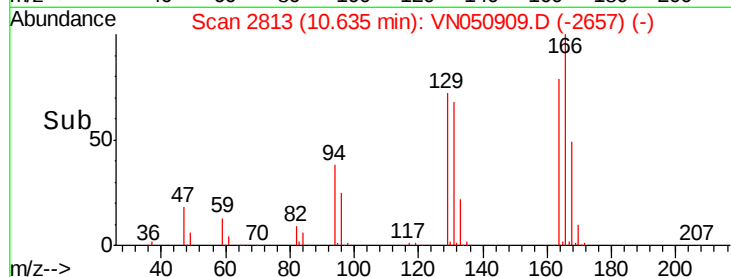


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 50.410 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050909.D

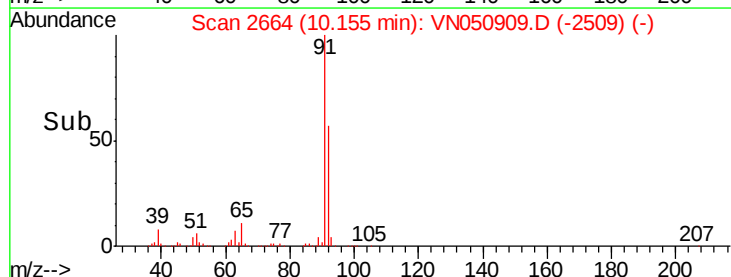
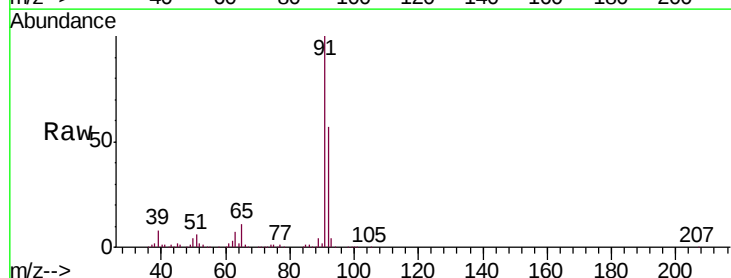
Acq: 28 Aug 2018 12:50

Tgt Ion: 91 Resp: 1626750

Ion Ratio Lower Upper

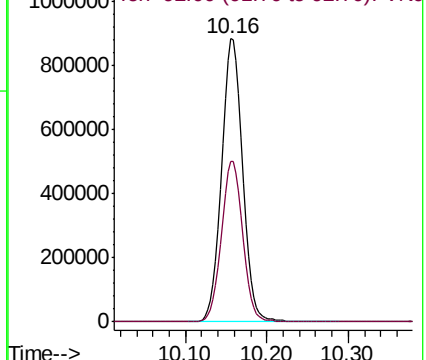
91 100

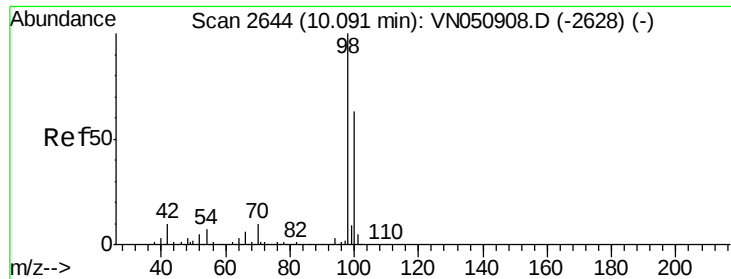
92 57.4 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.980 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

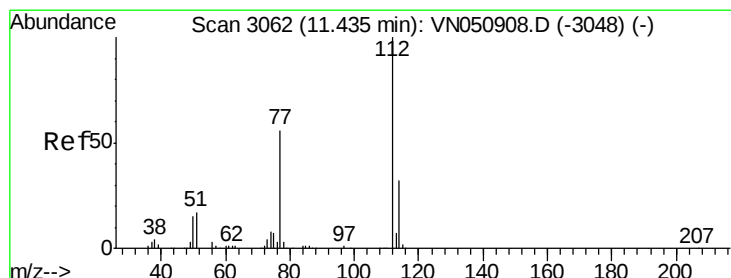
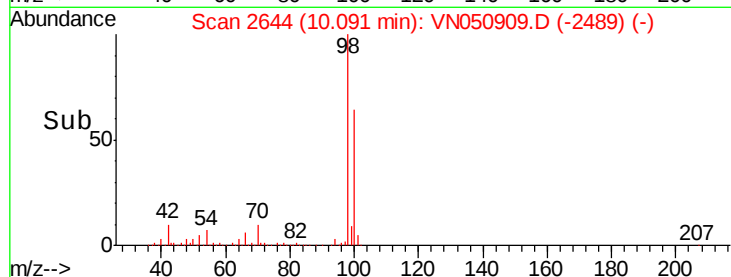
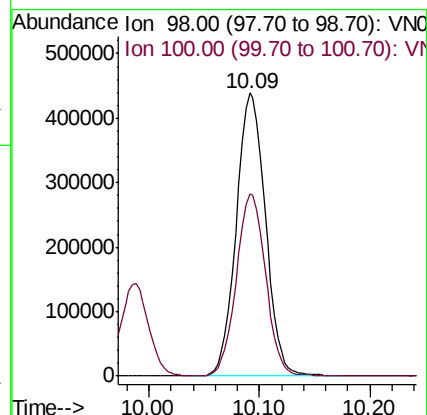
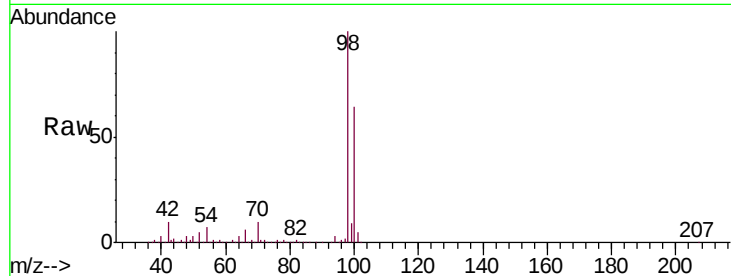
VSTDIC050

Tgt Ion: 98 Resp: 808685

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



#64

Chlorobenzene

Concen: 50.281 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050909.D

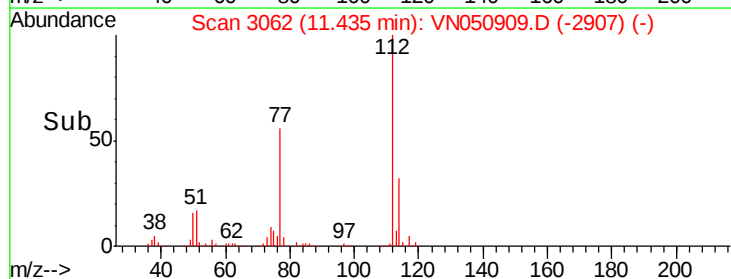
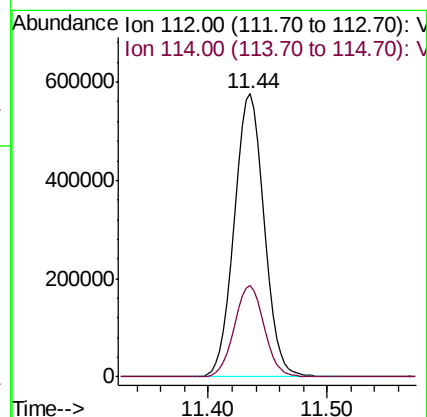
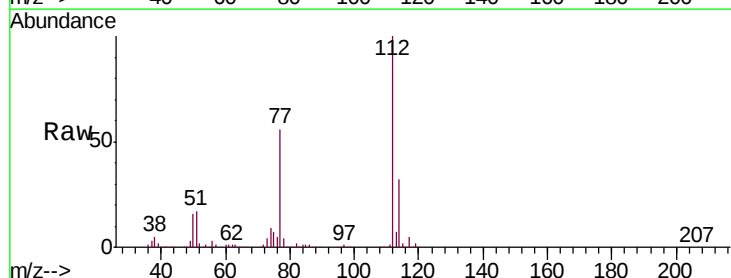
Acq: 28 Aug 2018 12:50

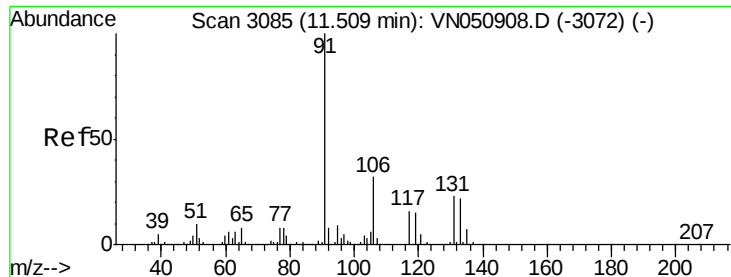
Tgt Ion: 112 Resp: 1005613

Ion Ratio Lower Upper

112 100

114 32.1 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 50.345 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

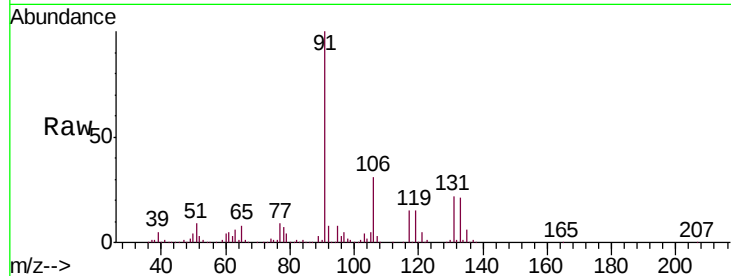
Tgt Ion: 131 Resp: 380168

Ion Ratio Lower Upper

131 100

133 95.3 0.0 189.4

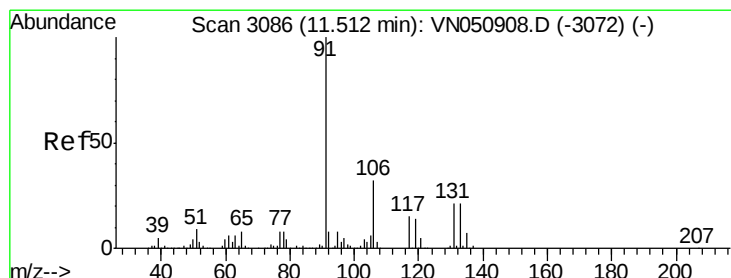
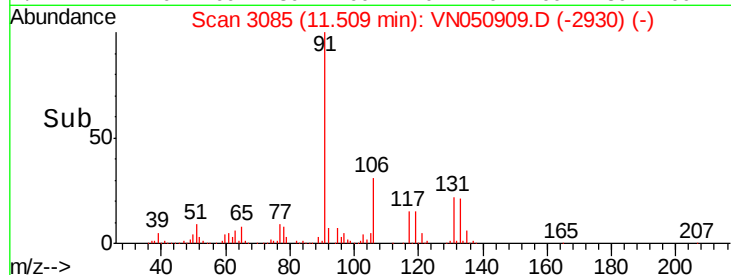
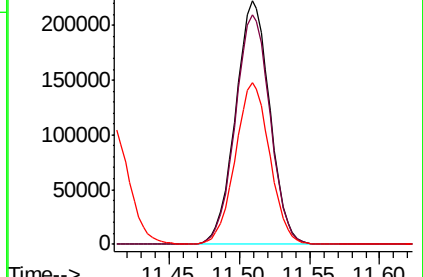
119 66.4 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 51.966 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050909.D

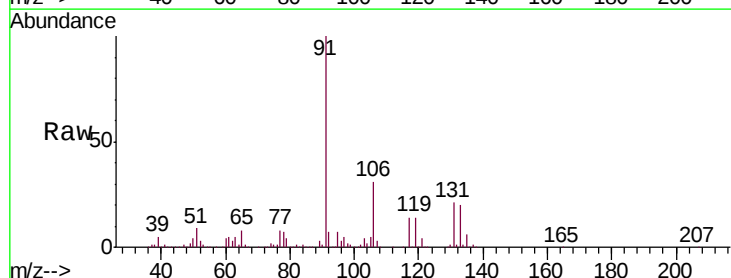
Acq: 28 Aug 2018 12:50

Tgt Ion: 91 Resp: 1737039

Ion Ratio Lower Upper

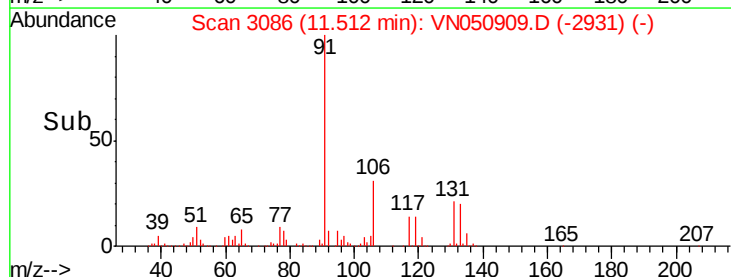
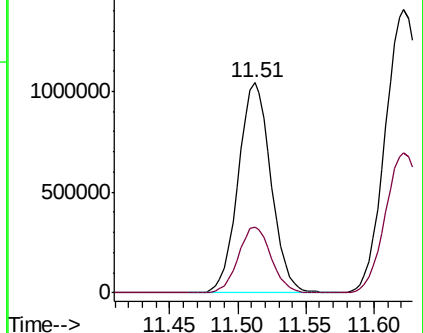
91 100

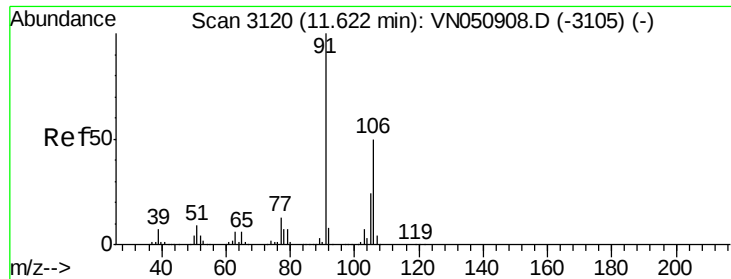
106 31.5 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

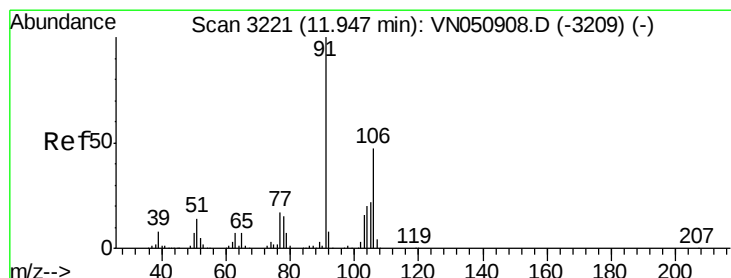
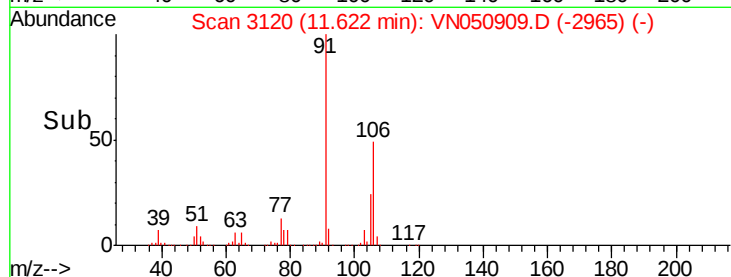
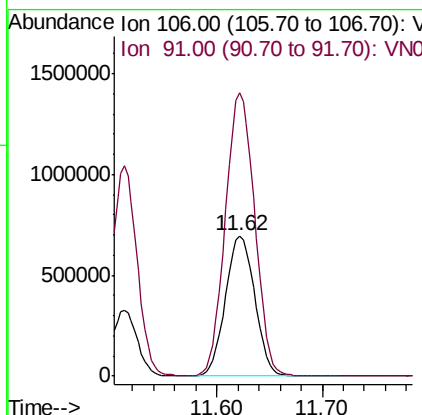
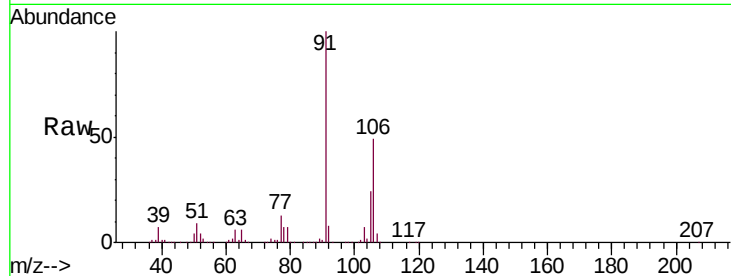




#67
m/p-Xylenes
Concen: 104.345 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

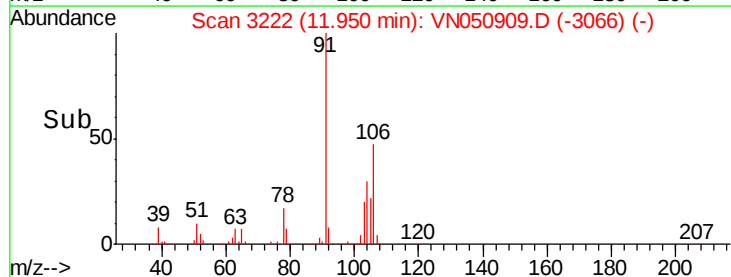
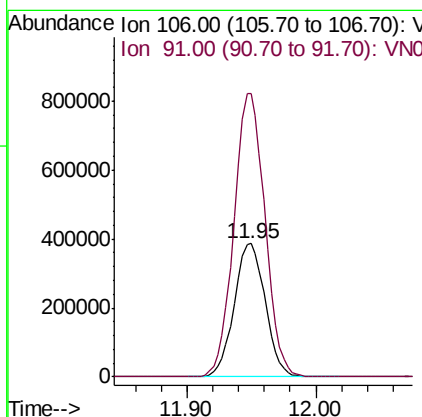
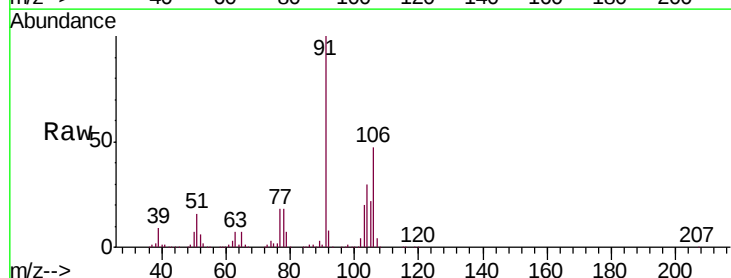
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

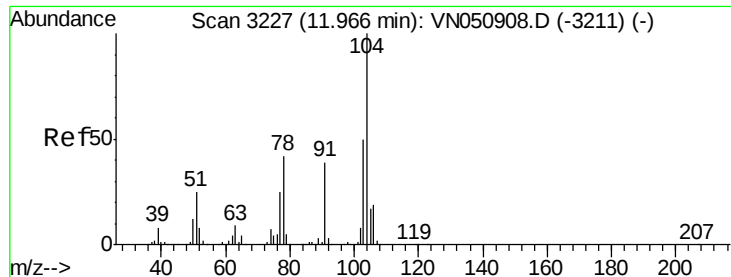
Tgt Ion:106 Resp: 1341998
Ion Ratio Lower Upper
106 100
91 201.5 160.6 241.0



#68
o-Xylene
Concen: 52.627 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion:106 Resp: 646729
Ion Ratio Lower Upper
106 100
91 212.1 106.4 319.2

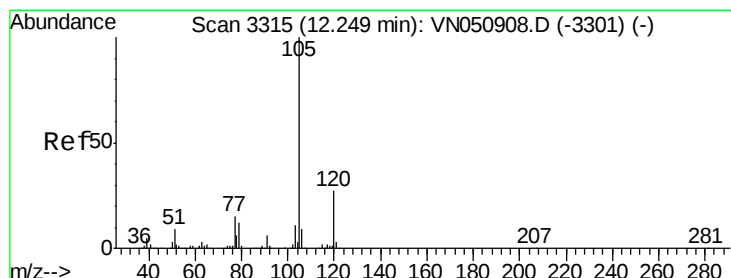
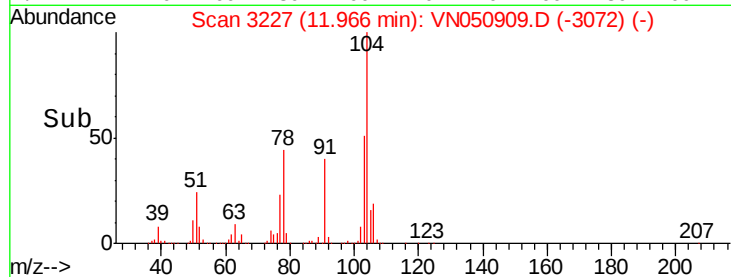
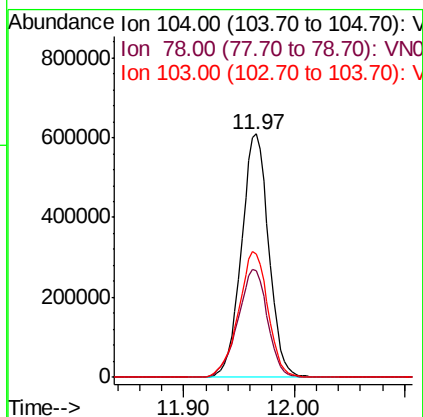
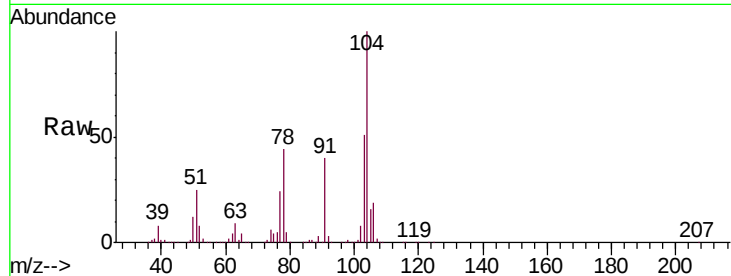




#69
 Styrene
 Concen: 53.258 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

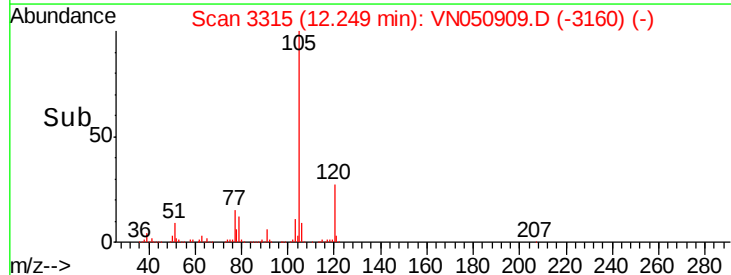
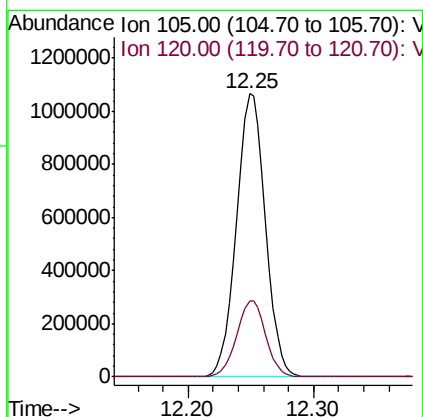
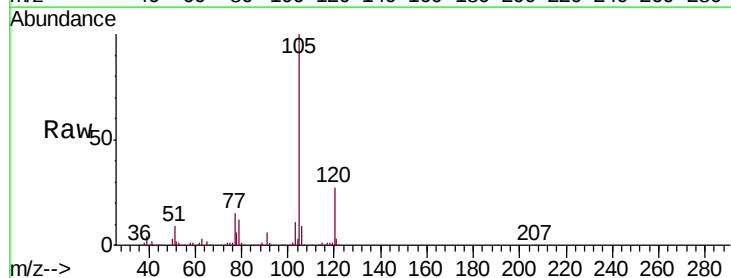
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

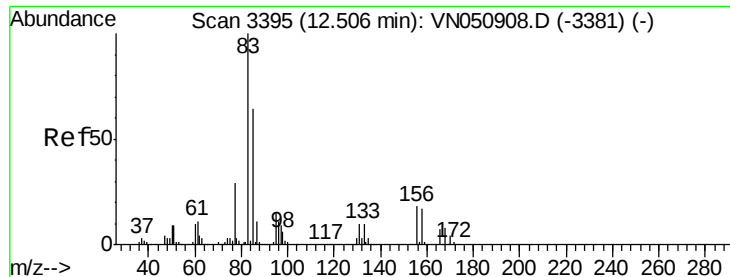
Tgt Ion:104 Resp: 1040574
 Ion Ratio Lower Upper
 104 100
 78 48.3 38.6 58.0
 103 55.9 45.4 68.2



#70
 Isopropylbenzene
 Concen: 52.208 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion:105 Resp: 1704825
 Ion Ratio Lower Upper
 105 100
 120 27.0 18.6 34.6

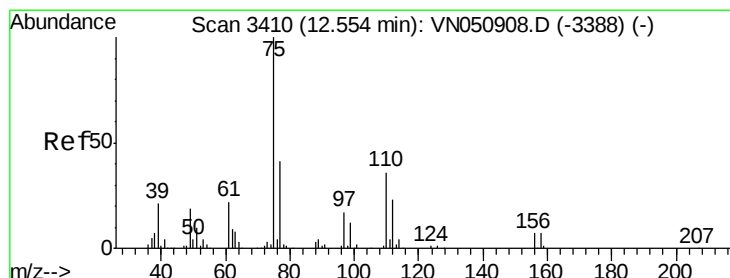
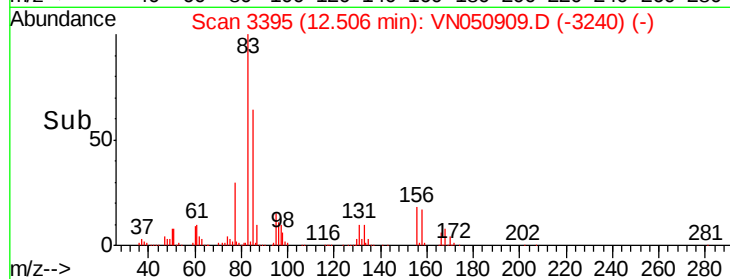
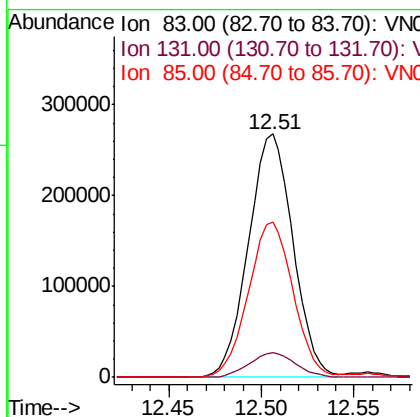
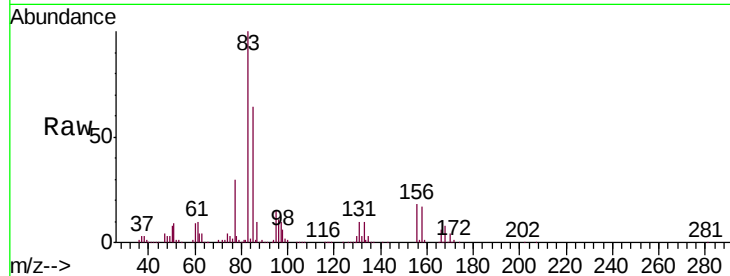




#71
 1,1,2,2-Tetrachloroethane
 Concen: 50.579 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

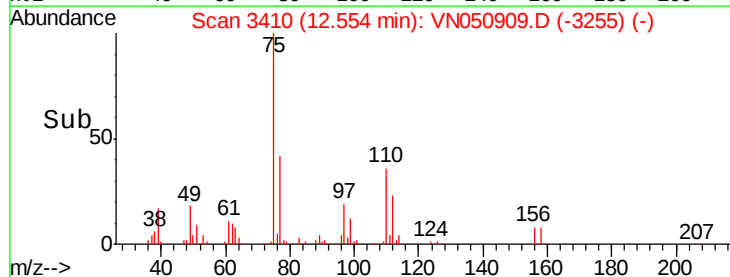
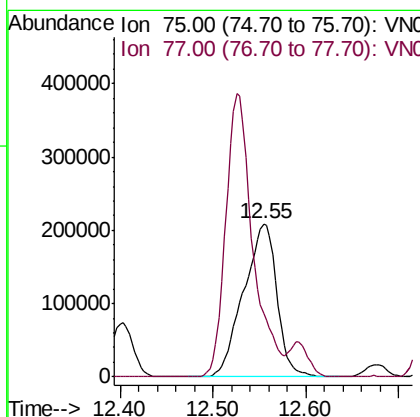
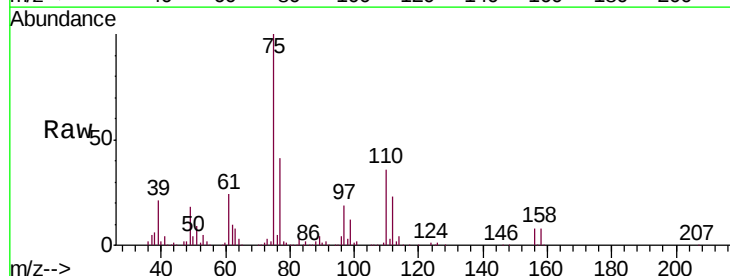
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

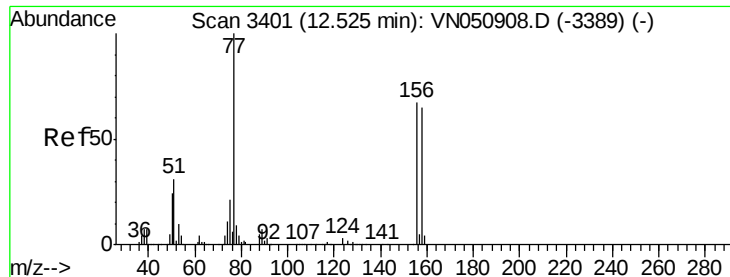
Tgt Ion: 83 Resp: 447189
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.3 15.9
 85 64.3 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 68.557 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 75 Resp: 521305
 Ion Ratio Lower Upper
 75 100
 77 151.1 0.0 301.6





#73

Bromobenzene

Concen: 50.900 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

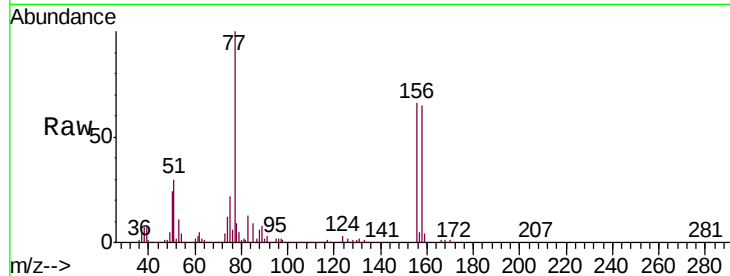
Tgt Ion:156 Resp: 437311

Ion Ratio Lower Upper

156 100

77 180.1 0.0 359.4

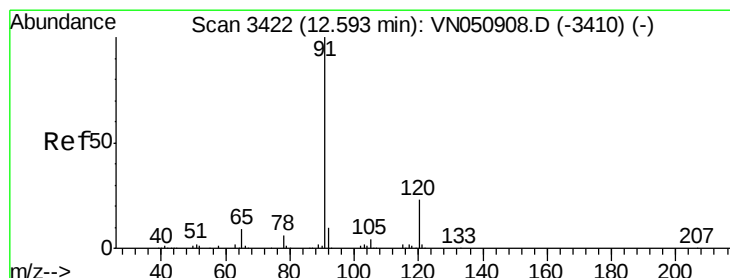
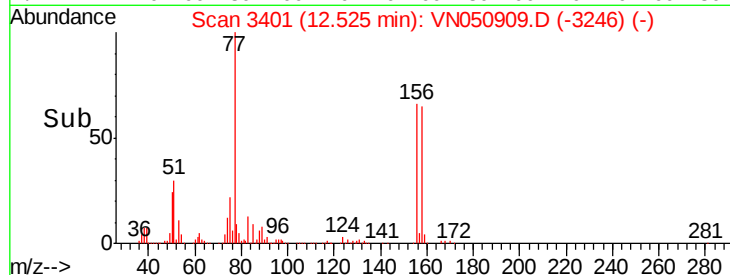
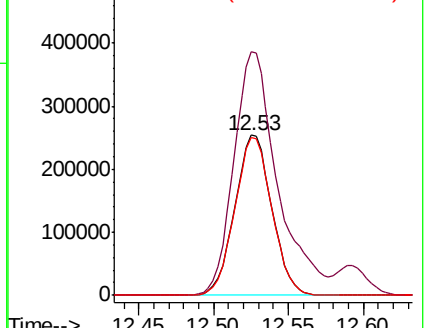
158 98.8 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 52.564 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050909.D

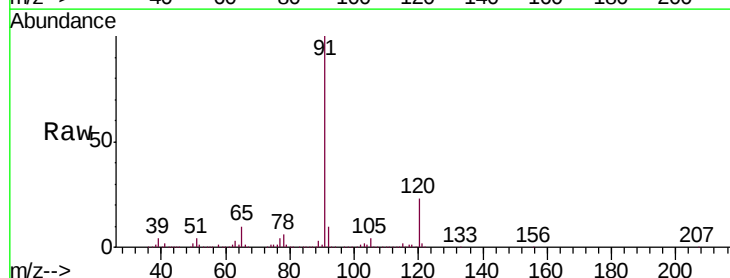
Acq: 28 Aug 2018 12:50

Tgt Ion: 91 Resp: 1940583

Ion Ratio Lower Upper

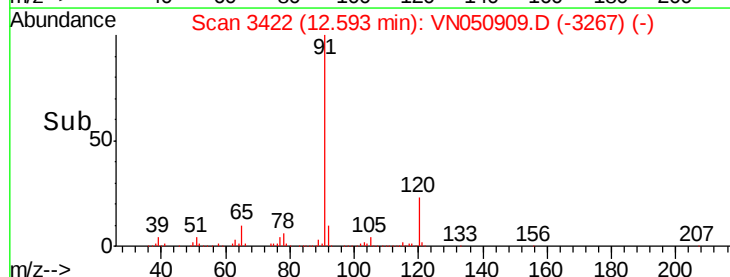
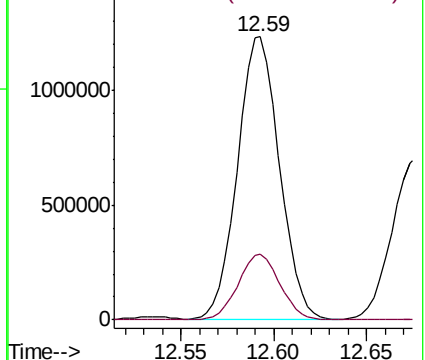
91 100

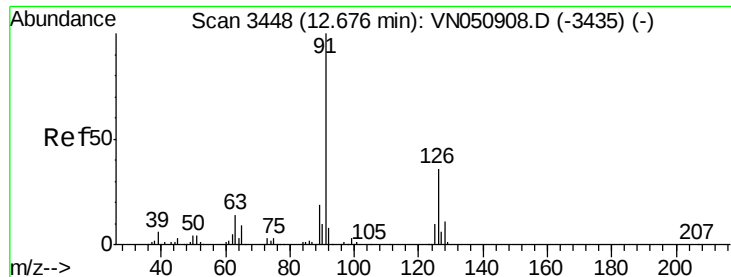
120 23.1 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 51.793 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

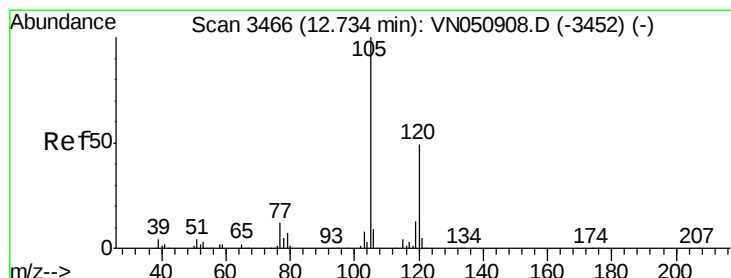
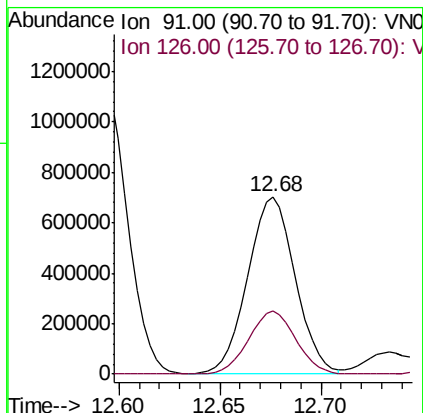
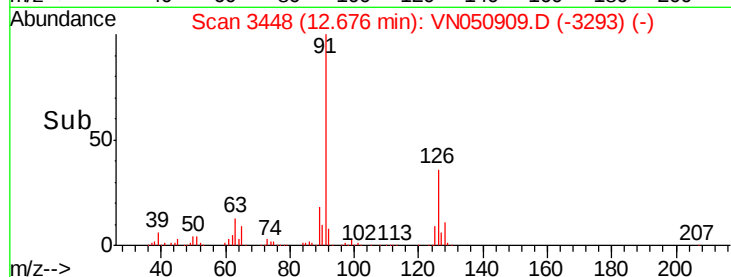
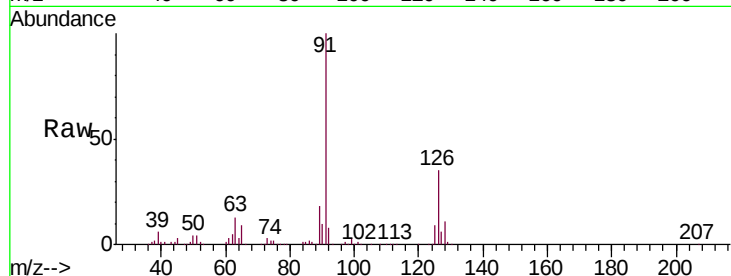
VSTDIC050

Tgt Ion: 91 Resp: 1161632

Ion Ratio Lower Upper

91 100

126 35.4 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 52.771 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050909.D

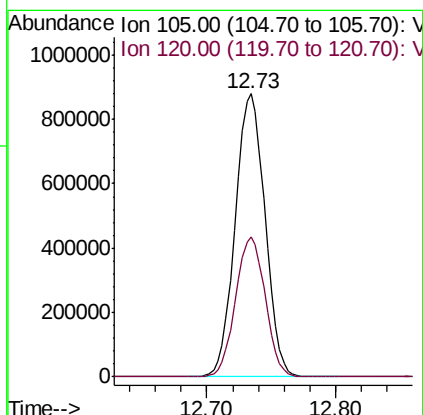
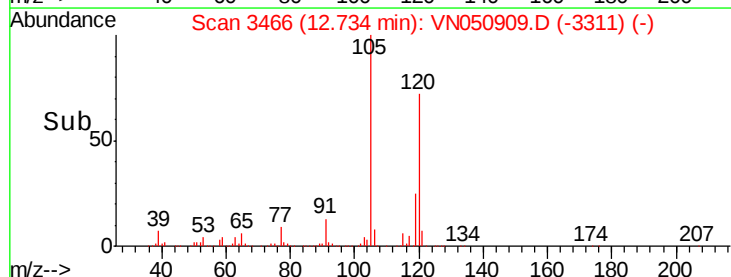
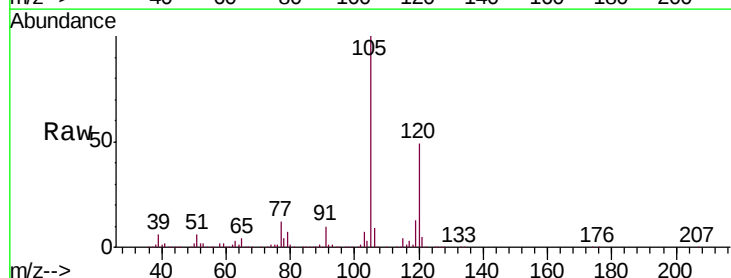
Acq: 28 Aug 2018 12:50

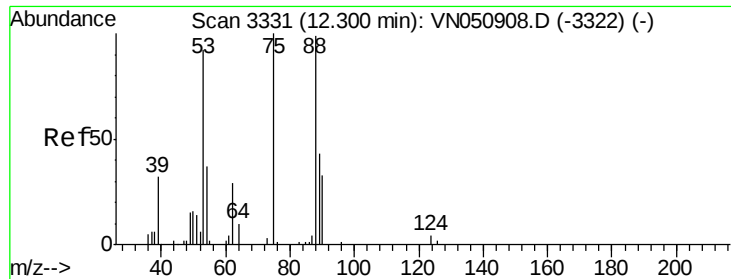
Tgt Ion: 105 Resp: 1408228

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 50.981 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

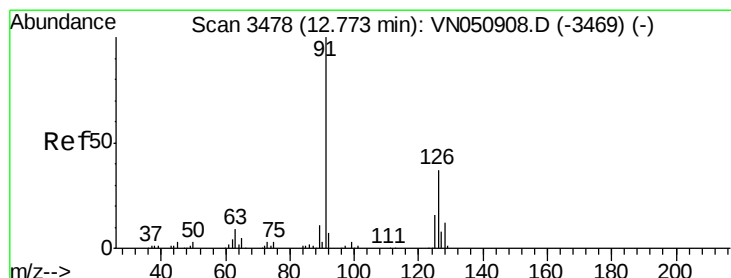
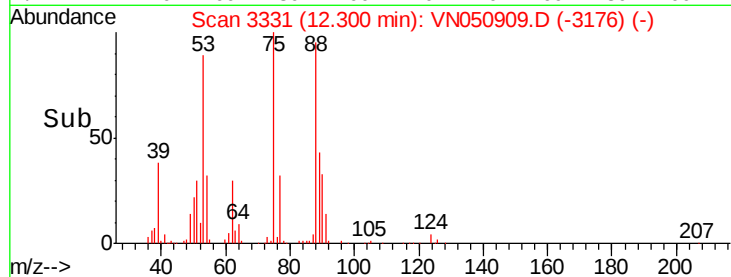
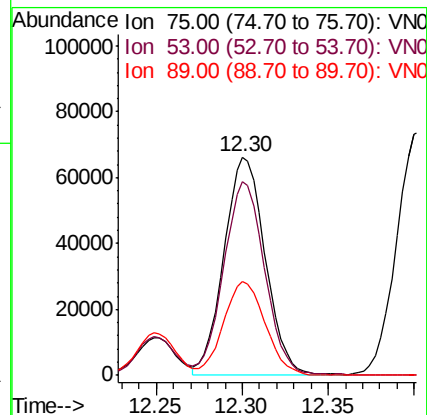
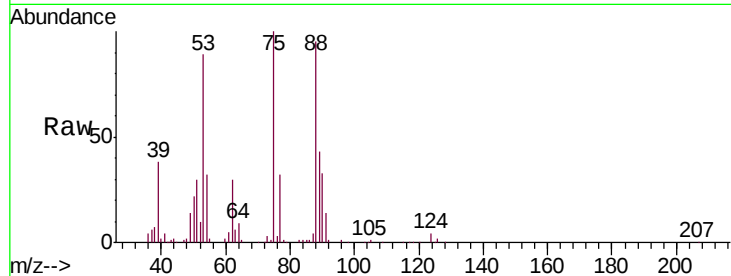
Tgt Ion: 75 Resp: 110787

Ion Ratio Lower Upper

75 100

53 88.4 45.5 136.4

89 43.0 21.9 65.8



#78

4-Chlorotoluene

Concen: 52.814 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050909.D

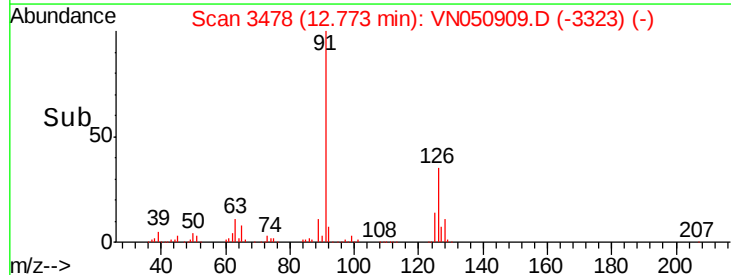
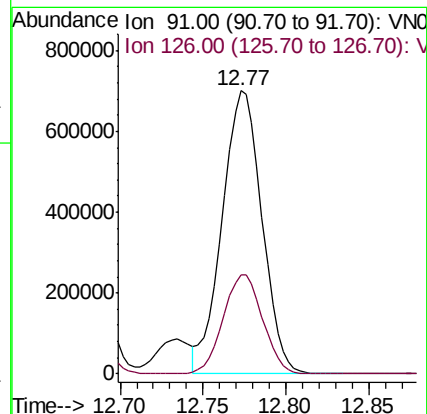
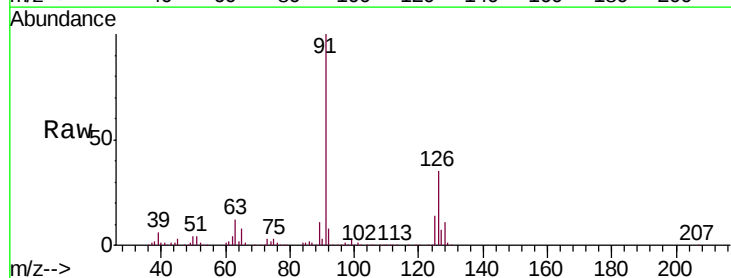
Acq: 28 Aug 2018 12:50

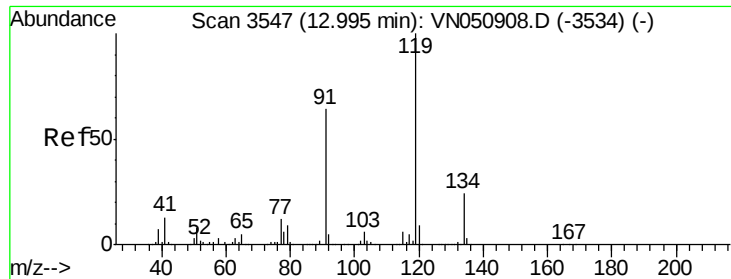
Tgt Ion: 91 Resp: 1166350

Ion Ratio Lower Upper

91 100

126 34.9 0.0 69.8

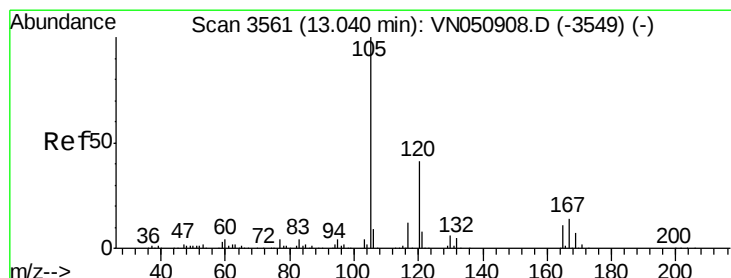
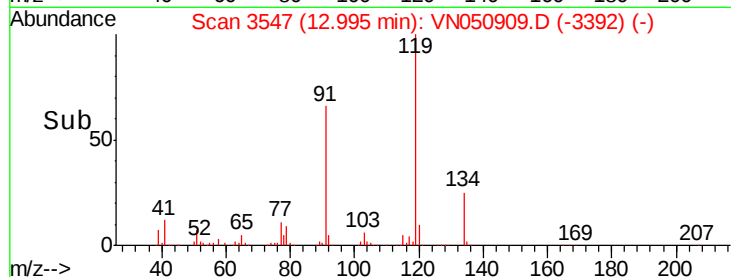
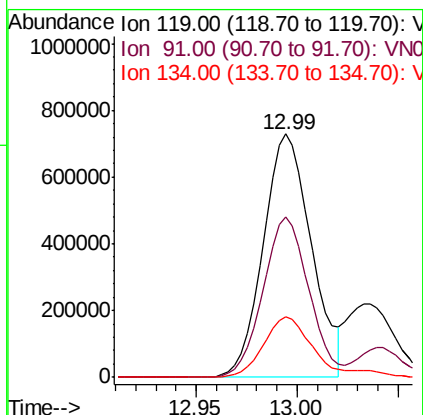
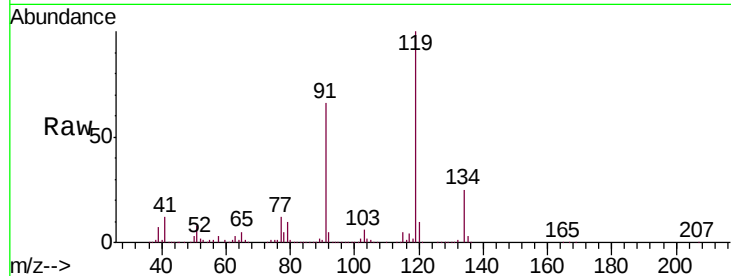




#79
tert-butylbenzene
Concen: 52.213 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

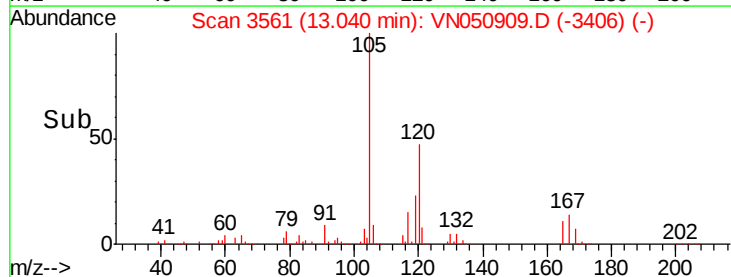
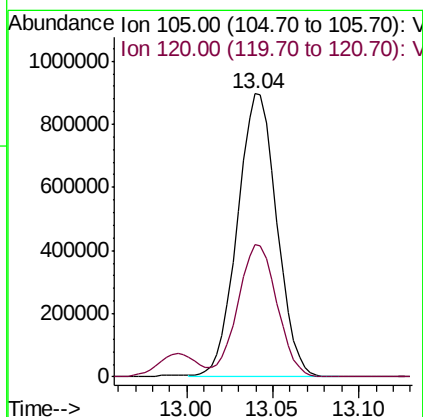
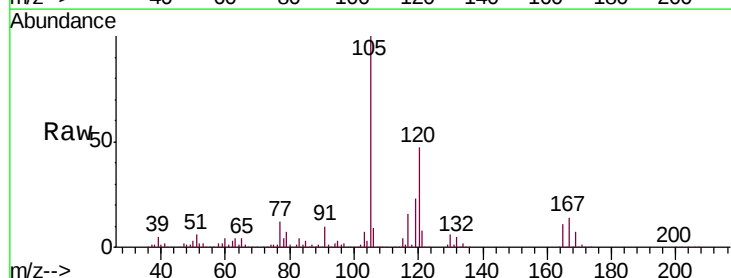
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

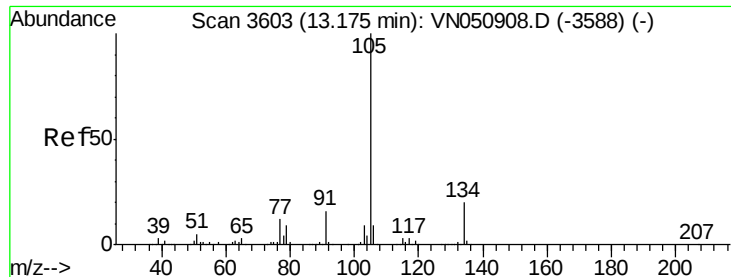
Tgt Ion:119 Resp: 1210057
Ion Ratio Lower Upper
119 100
91 62.8 0.0 125.6
134 24.7 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 53.505 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion:105 Resp: 1423545
Ion Ratio Lower Upper
105 100
120 46.4 0.0 93.6

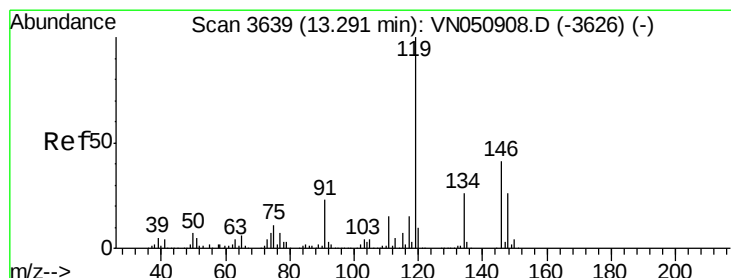
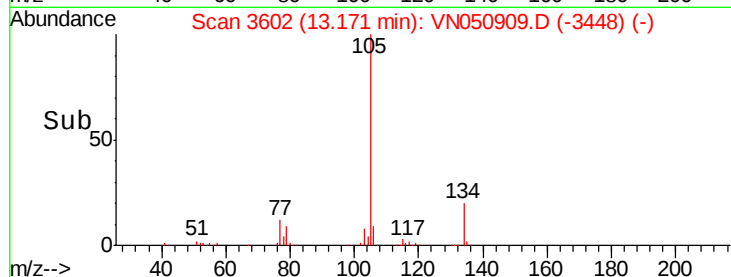
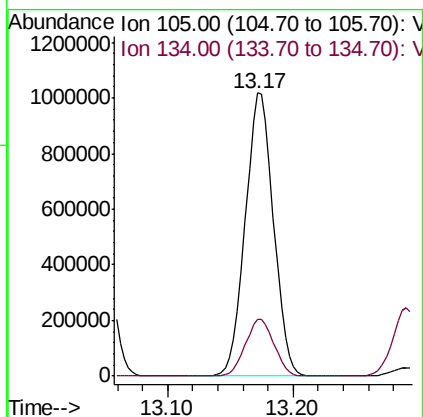
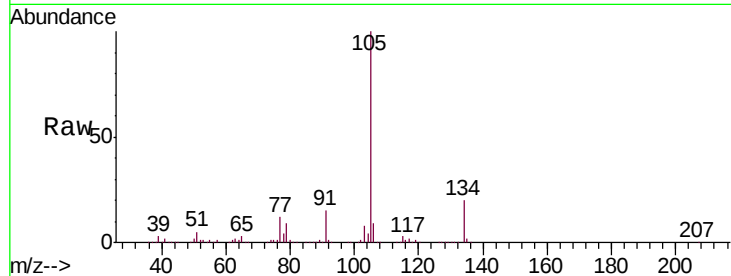




#81
 sec-Butylbenzene
 Concen: 52.533 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

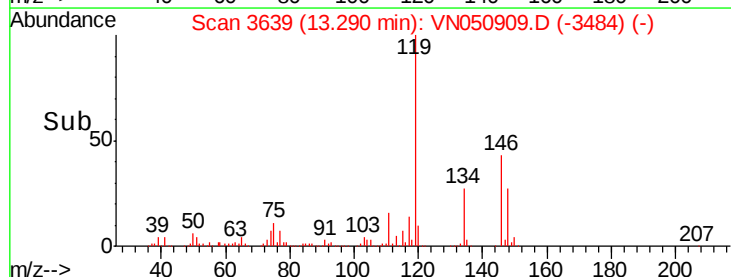
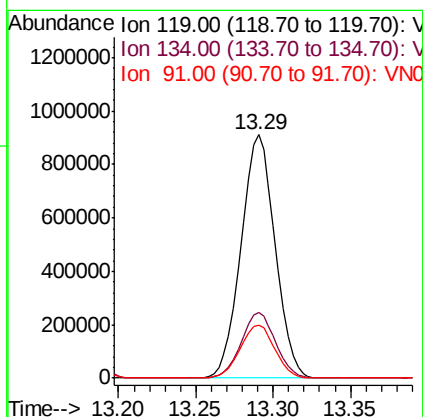
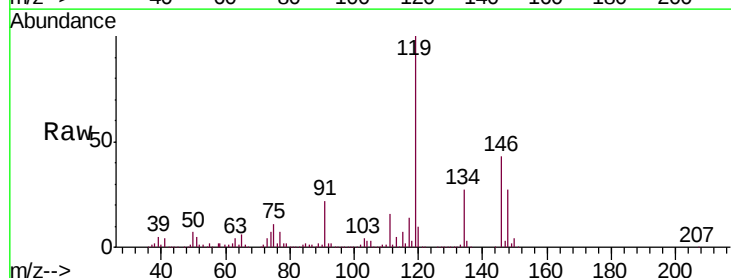
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

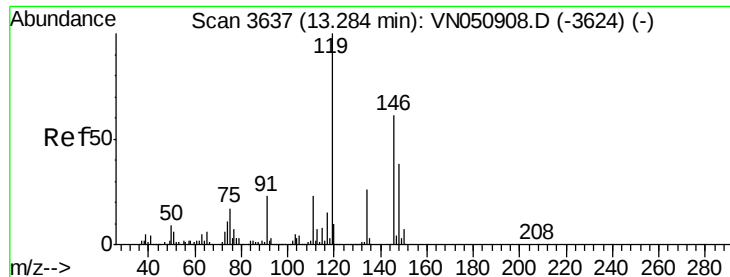
Tgt Ion:105 Resp: 1592930
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 53.234 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion:119 Resp: 1393311
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 53.2
 91 22.2 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 52.973 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

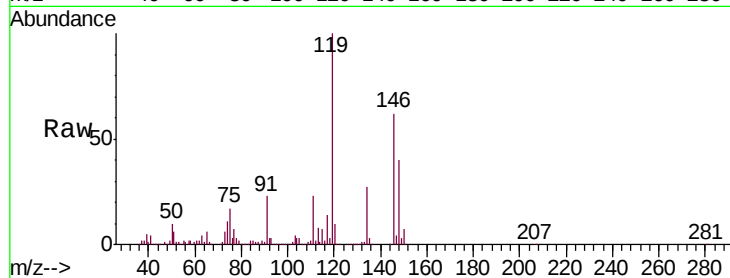
Tgt Ion:146 Resp: 769462

Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.6

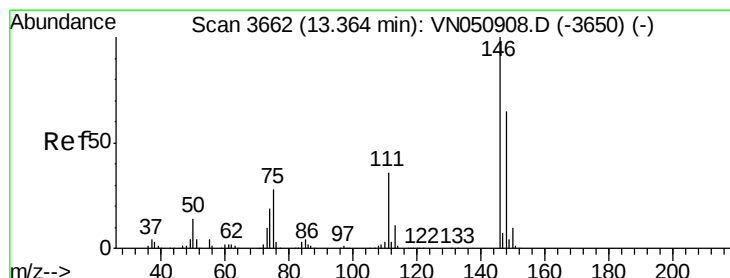
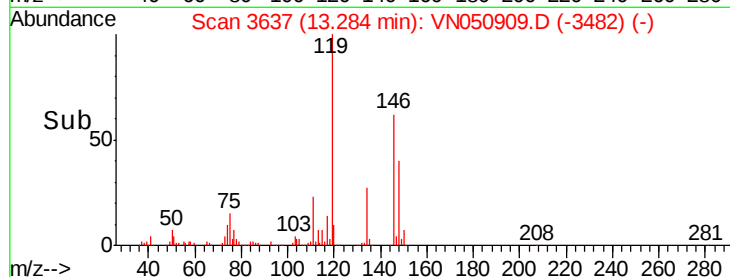
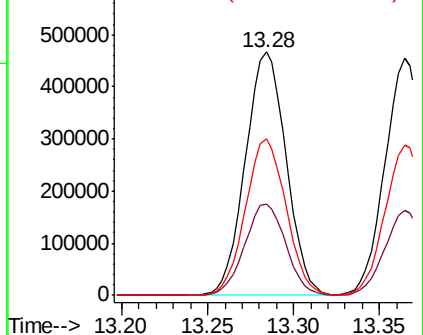
148 64.0 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 53.422 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050909.D

Acq: 28 Aug 2018 12:50

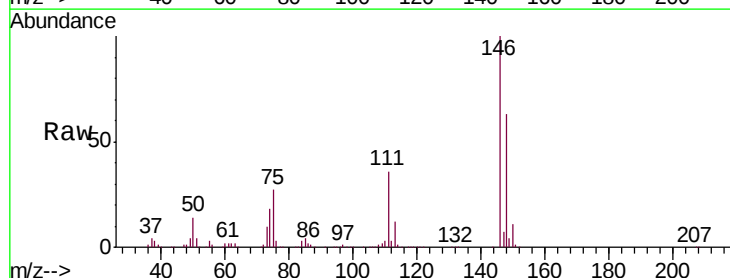
Tgt Ion:146 Resp: 735262

Ion Ratio Lower Upper

146 100

111 35.8 17.7 53.1

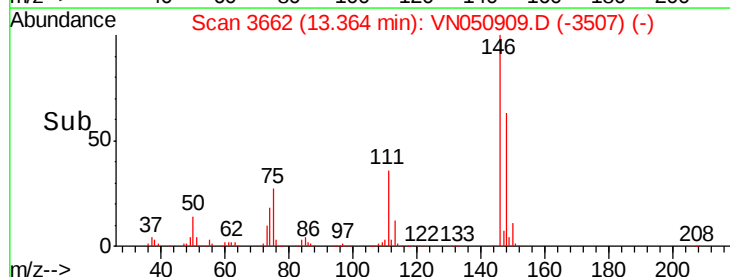
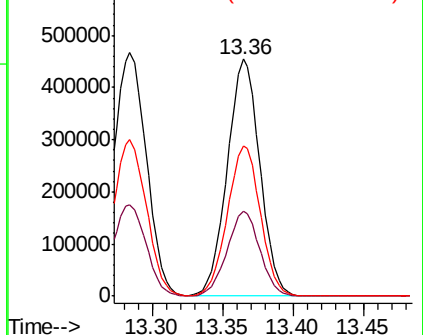
148 64.1 31.6 94.8

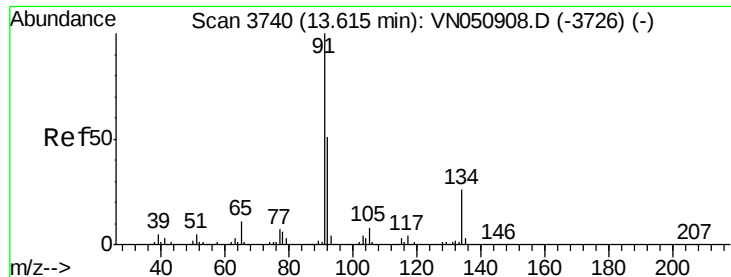


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

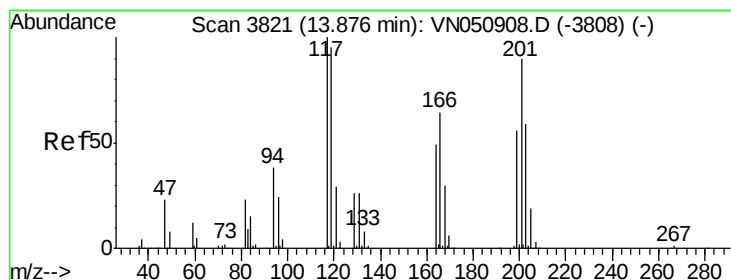
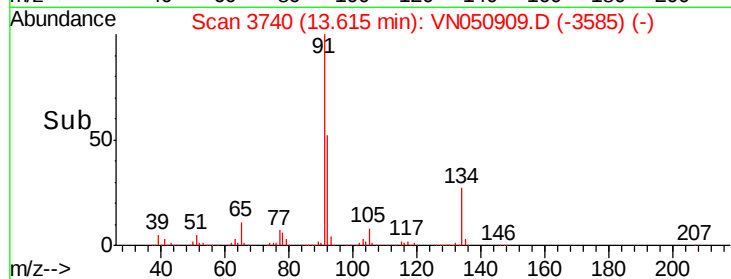
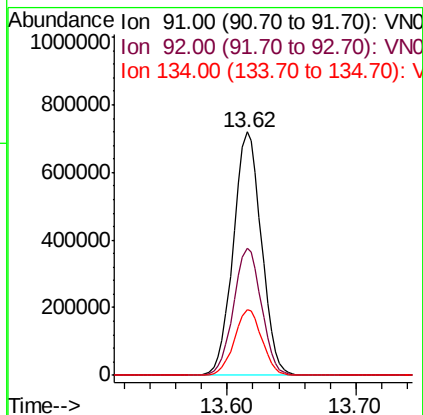
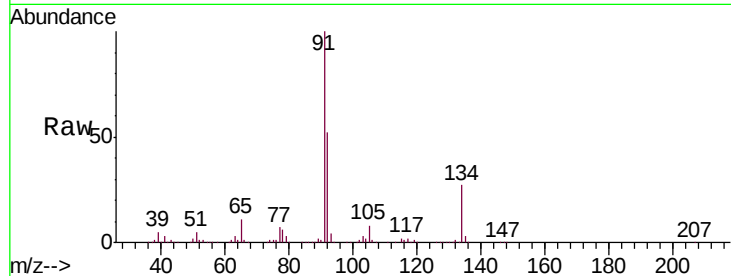




#85
n-Butylbenzene
Concen: 54.476 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

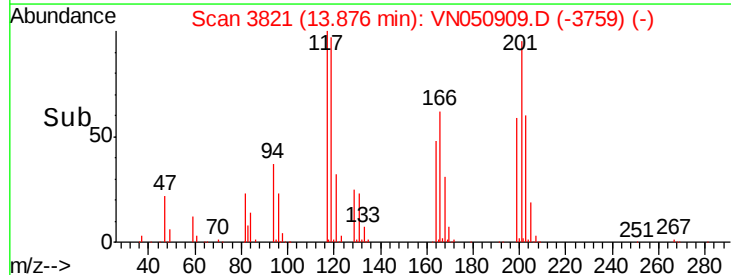
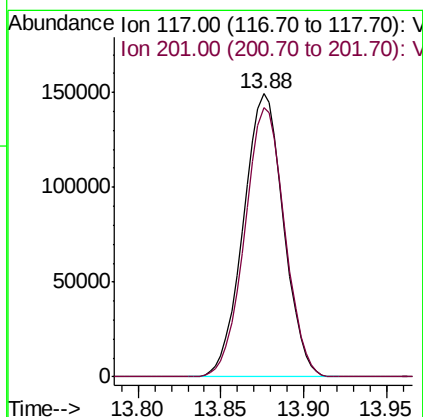
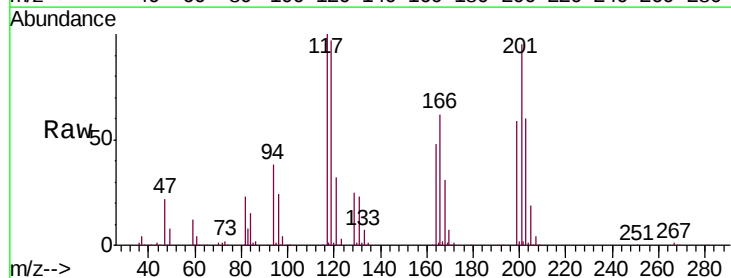
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MSVOA_N
ClientSampleId :
VSTDIC050

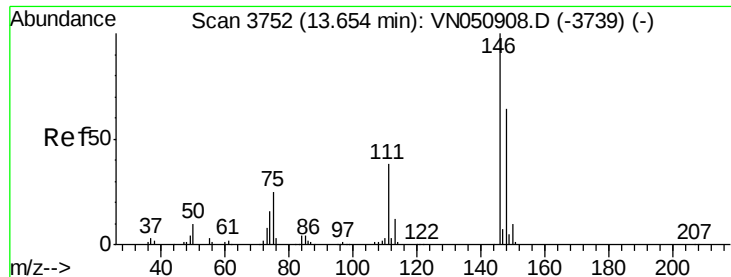
Tgt Ion: 91 Resp: 1087942
Ion Ratio Lower Upper
91 100
92 52.0 0.0 101.8
134 26.6 0.0 52.2



#86
Hexachloroethane
Concen: 50.045 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion: 117 Resp: 251413
Ion Ratio Lower Upper
117 100
201 94.7 45.8 137.4

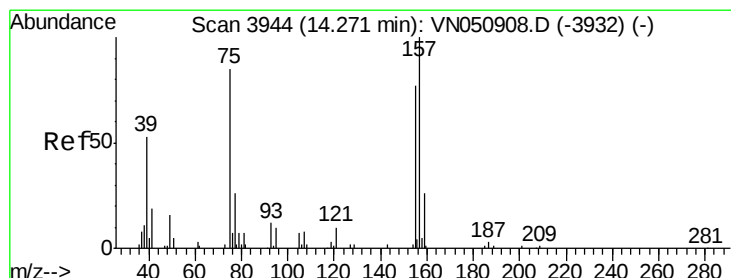
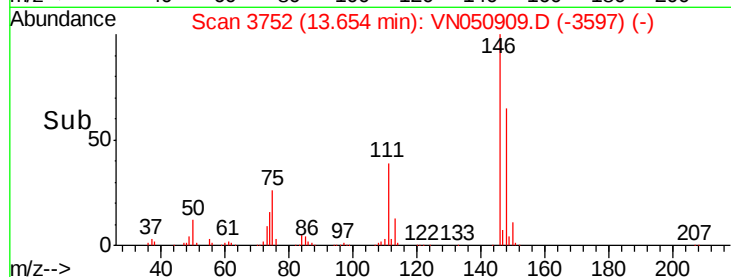
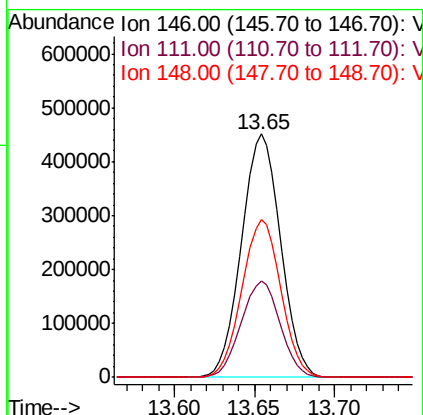
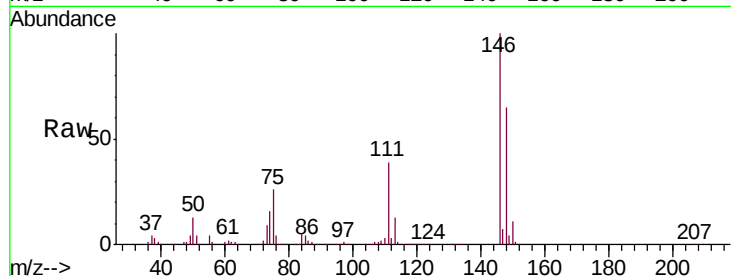




#87
 1,2-Dichlorobenzene
 Concen: 52.640 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

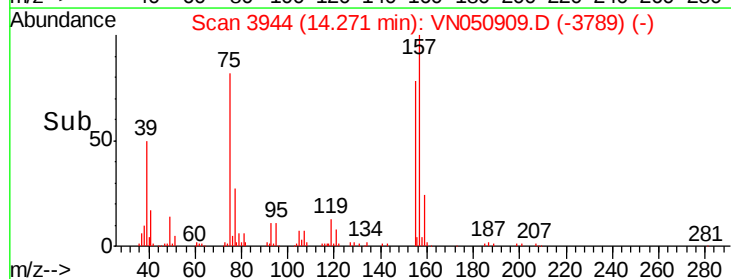
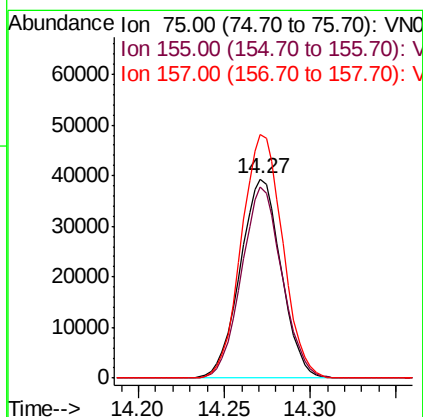
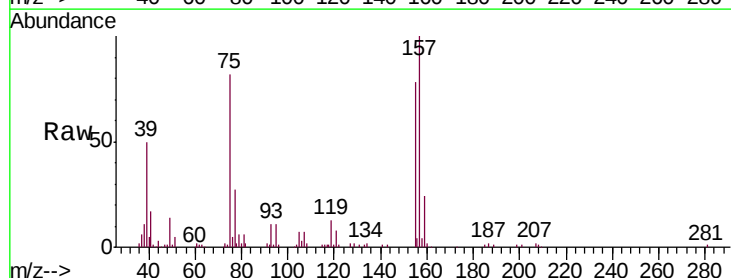
Instrument :
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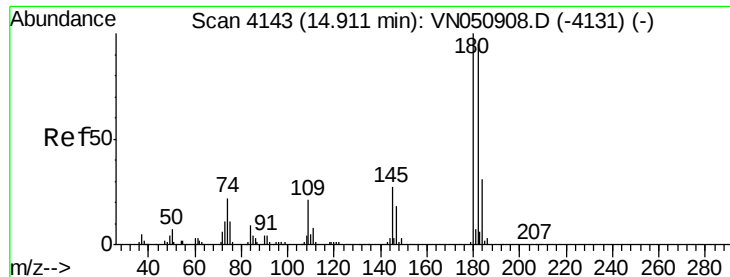
Tgt Ion:146 Resp: 752626
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.1 57.1
 148 64.6 31.9 95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 52.839 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion: 75 Resp: 65357
 Ion Ratio Lower Upper
 75 100
 155 94.2 71.8 107.6
 157 122.6 91.1 136.7

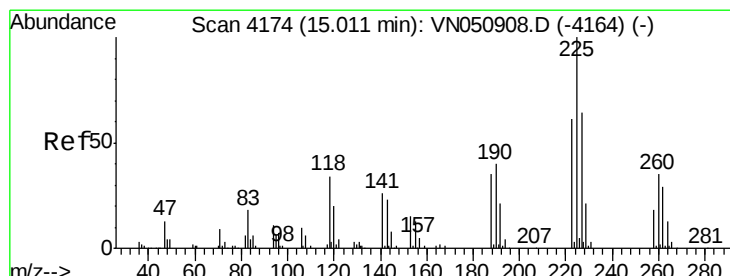
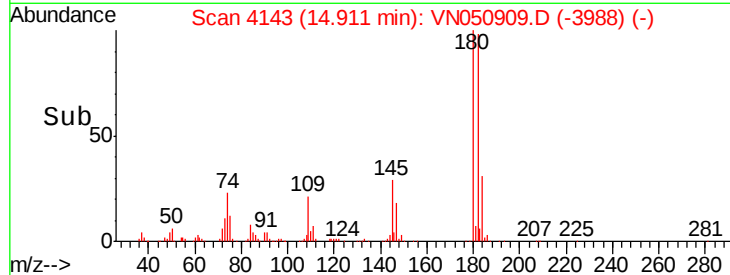
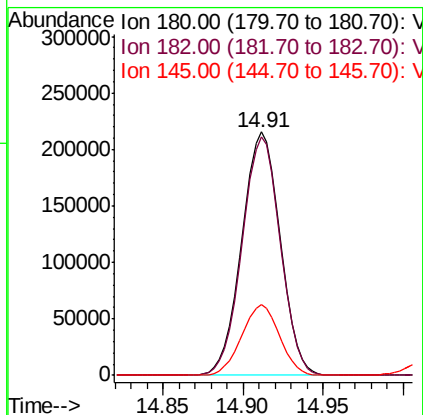
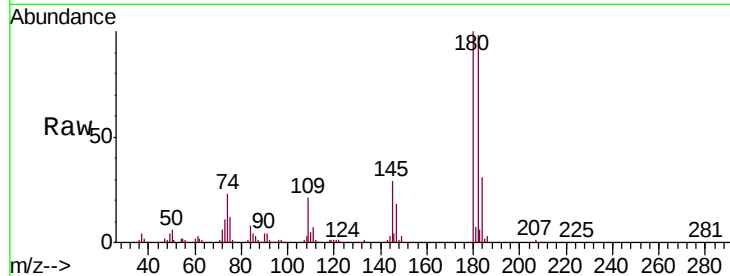




#89
 1,2,4-Trichlorobenzene
 Concen: 55.380 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

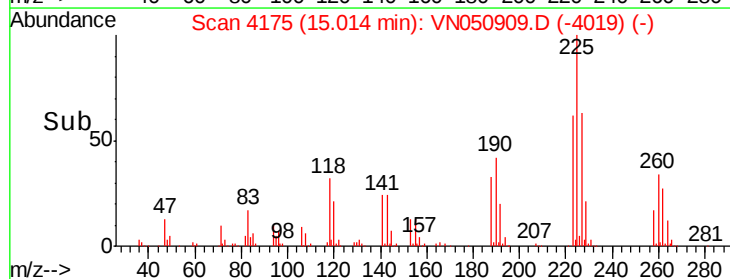
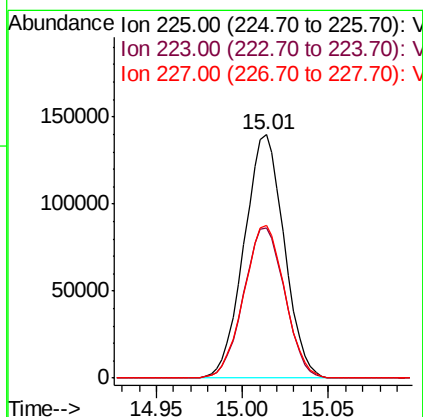
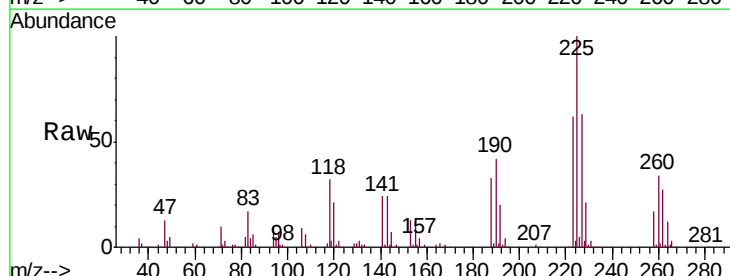
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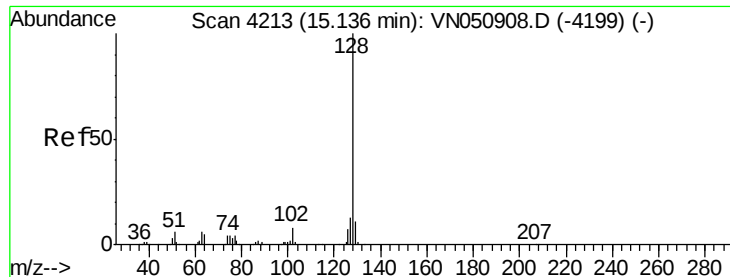
Tgt Ion:180 Resp: 352496
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.2 114.4
 145 28.7 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 52.274 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050909.D
 Acq: 28 Aug 2018 12:50

Tgt Ion:225 Resp: 226059
 Ion Ratio Lower Upper
 225 100
 223 63.1 0.0 127.8
 227 64.1 0.0 128.4

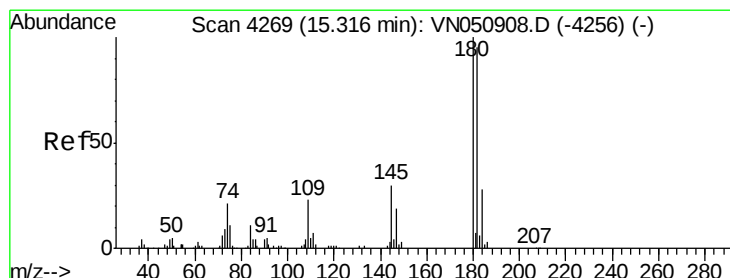
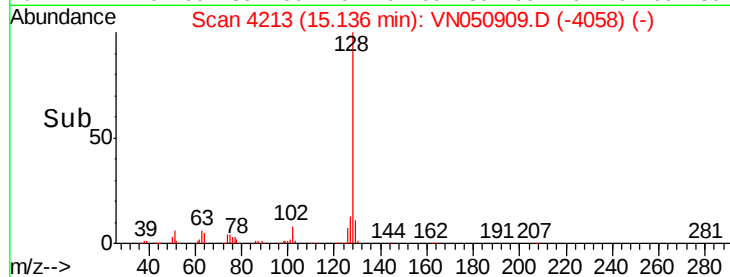
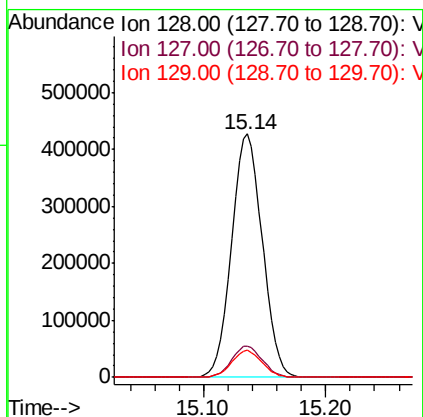
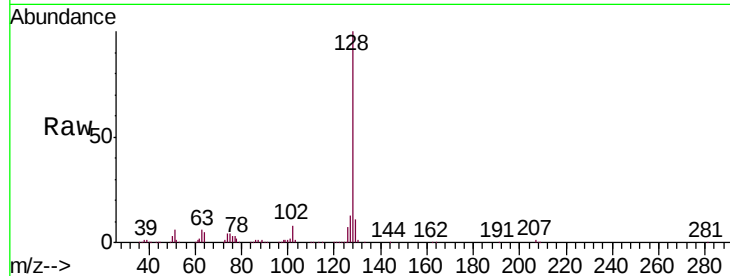




#91
Naphthalene
Concen: 54.758 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion:128 Resp: 747028
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 54.402 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050909.D
Acq: 28 Aug 2018 12:50

Tgt Ion:180 Resp: 347466
Ion Ratio Lower Upper
180 100
182 96.7 0.0 192.8
145 30.3 0.0 60.0

