

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110618\
 Data File : VN052184.D
 Acq On : 6 Nov 2018 11:41
 Operator : MD\SY
 Sample : VN1106WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Quant Time: Nov 06 12:01:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	357092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	625212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	562246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239919	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	227562	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	7.59	113	193463	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	742741	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	241787	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	65130	20.916	ug/l	100
3) Chloromethane	2.06	50	86110	20.488	ug/l	97
4) Vinyl Chloride	2.19	62	85756	21.304	ug/l	95
5) Bromomethane	2.57	94	60396	20.069	ug/l	99
6) Chloroethane	2.71	64	55062	21.393	ug/l #	87
7) Trichlorofluoromethane	3.03	101	123908	21.191	ug/l	98
8) Diethyl Ether	3.42	74	44915	21.987	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73432	21.016	ug/l	92
10) Methyl Iodide	3.96	142	96598	19.581	ug/l	98
11) Tert butyl alcohol	4.79	59	17767	96.174	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	69034	20.985	ug/l	92
13) Acrolein	3.61	56	20879	130.650	ug/l	90
14) Allyl chloride	4.33	41	110542	20.134	ug/l	96
15) Acrylonitrile	4.99	53	130110	107.342	ug/l #	66
16) Acetone	3.82	43	95754	99.812	ug/l	93
17) Carbon Disulfide	4.06	76	186857	19.905	ug/l	99
18) Methyl Acetate	4.33	43	65049	21.910	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	199315	21.995	ug/l	97
20) Methylene Chloride	4.56	84	81521	20.451	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	76012	22.219	ug/l	95
22) Diisopropyl ether	5.96	45	259394	21.431	ug/l	98
23) Vinyl Acetate	5.90	43	889740	111.759	ug/l	98
24) 1,1-Dichloroethane	5.85	63	148959	21.755	ug/l	99
25) 2-Butanone	6.84	43	157434	105.832	ug/l	97
26) 2,2-Dichloropropane	6.83	77	107189	20.015	ug/l	92
27) cis-1,2-Dichloroethene	6.83	96	88215	21.256	ug/l	95
28) Bromochloromethane	7.20	49	68919	21.261	ug/l	89
29) Tetrahydrofuran	7.21	42	100600	109.299	ug/l	97
30) Chloroform	7.37	83	148862	21.831	ug/l	97
31) Cyclohexane	7.66	56	137616	20.618	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	128807	21.296	ug/l	94
36) 1,1-Dichloropropene	7.80	75	111581	20.174	ug/l	96
37) Ethyl Acetate	6.93	43	74825	21.485	ug/l #	90
38) Carbon Tetrachloride	7.78	117	108073	19.558	ug/l	95

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Quant Time: Nov 06 12:01:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	134798	20.579	ug/l	96
40) Benzene	8.04	78	340212	20.925	ug/l	98
41) Methacrylonitrile	7.17	41	41325	23.085	ug/l	93
42) 1,2-Dichloroethane	8.13	62	105763	20.235	ug/l	94
43) Isopropyl Acetate	8.17	43	136410	21.616	ug/l	97
44) Trichloroethene	8.84	130	87593	20.349	ug/l	82
45) 1,2-Dichloropropane	9.12	63	90494	21.016	ug/l	99
46) Dibromomethane	9.21	93	56672	20.695	ug/l	90
47) Bromodichloromethane	9.40	83	109875	20.574	ug/l #	96
48) Methyl methacrylate	9.20	41	66396	21.860	ug/l	99
49) 1,4-Dioxane	9.20	88	9934	374.218	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	355693	106.688	ug/l	100
52) Toluene	10.16	92	203167	20.722	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	106219	20.274	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	125733	20.509	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	74463	21.541	ug/l	93
56) Ethyl methacrylate	10.43	69	94577	20.990	ug/l	97
57) 1,3-Dichloropropane	10.71	76	127487	20.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	255463	105.351	ug/l	95
59) 2-Hexanone	10.75	43	241125	103.895	ug/l	100
60) Dibromochloromethane	10.90	129	78507	19.971	ug/l	98
61) 1,2-Dibromoethane	11.01	107	76965	21.934	ug/l	97
64) Tetrachloroethene	10.63	164	74963	20.580	ug/l	94
65) Chlorobenzene	11.43	112	229139	19.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81123	21.079	ug/l	97
67) Ethyl Benzene	11.51	91	380799	20.006	ug/l	96
68) m/p-Xylenes	11.62	106	292570	39.835	ug/l	93
69) o-Xylene	11.95	106	147075	20.649	ug/l	93
70) Styrene	11.96	104	224913	19.947	ug/l	98
71) Bromoform	12.13	173	43676	18.863	ug/l #	93
73) Isopropylbenzene	12.25	105	380798	20.992	ug/l	99
74) N-amyl acetate	12.07	43	115018	20.984	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	86905	21.886	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	107723	33.970	ug/l #	100
77) Bromobenzene	12.53	156	89793	20.758	ug/l	79
78) n-propylbenzene	12.59	91	422091	20.360	ug/l	95
79) 2-Chlorotoluene	12.67	91	247564	20.364	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	301846	20.557	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	19905	18.877	ug/l	92
82) 4-Chlorotoluene	12.77	91	250228	20.479	ug/l	95
83) tert-Butylbenzene	12.99	119	260738	20.110	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	303387	20.756	ug/l	96
85) sec-Butylbenzene	13.17	105	352406	20.101	ug/l	96
86) p-Isopropyltoluene	13.29	119	307220	20.819	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	153151	20.034	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	152106	19.907	ug/l	97
89) n-Butylbenzene	13.62	91	249535	19.529	ug/l	97
90) Hexachloroethane	13.87	117	49240	19.800	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	147673	20.584	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11913	22.728	ug/l	83

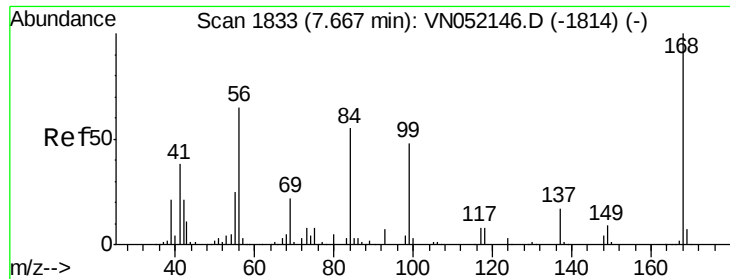
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110618\
Data File : VN052184.D
Acq On : 6 Nov 2018 11:41
Operator : MD\SY
Sample : VN1106WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Quant Time: Nov 06 12:01:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 05 15:24:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56392	18.158	ug/l	99
94) Hexachlorobutadiene	15.01	225	34234	20.102	ug/l	97
95) Naphthalene	15.13	128	135200	18.402	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	54017	19.627	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

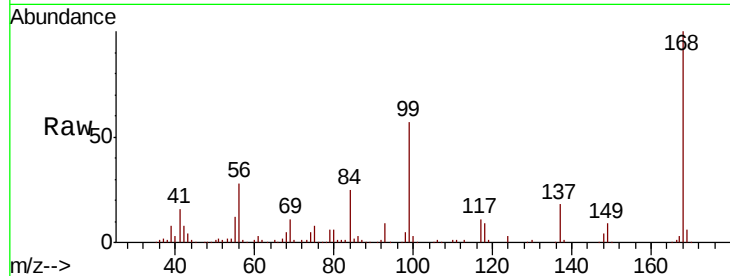
VN1106WBSD02

Tgt Ion:168 Resp: 357092

Ion Ratio Lower Upper

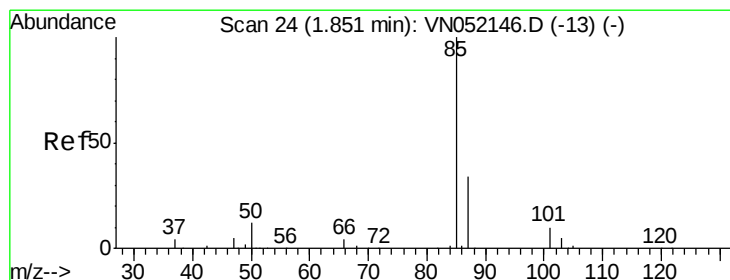
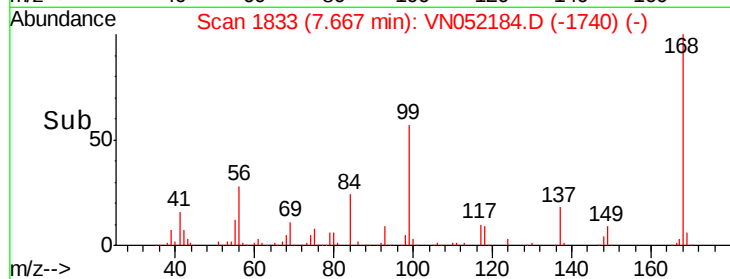
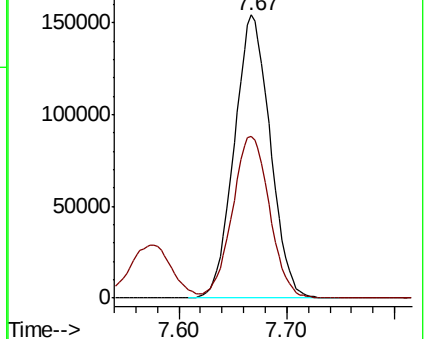
168 100

99 56.8 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.916 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052184.D

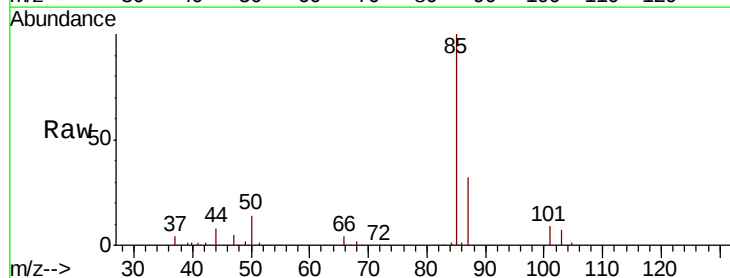
Acq: 6 Nov 2018 11:41

Tgt Ion: 85 Resp: 65130

Ion Ratio Lower Upper

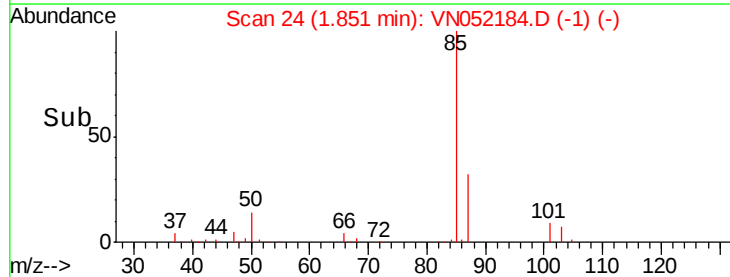
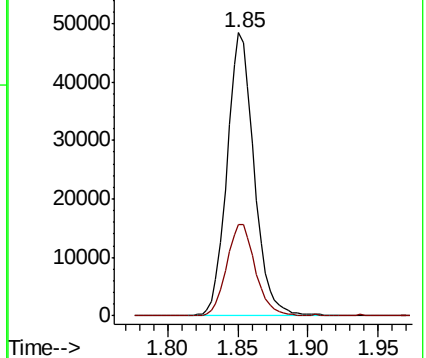
85 100

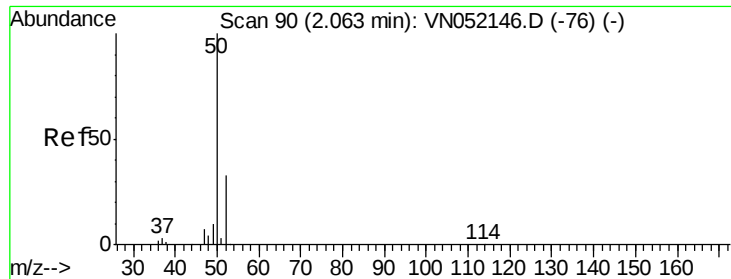
87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.488 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

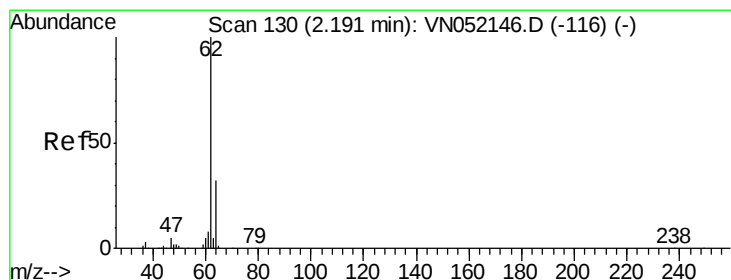
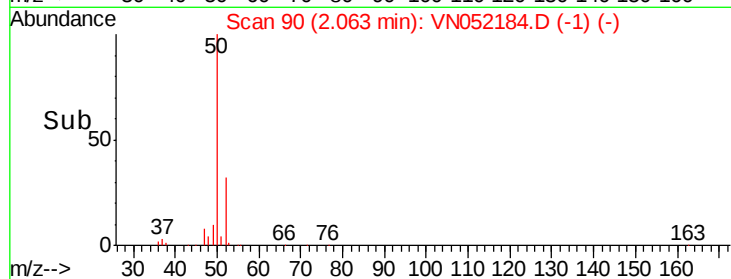
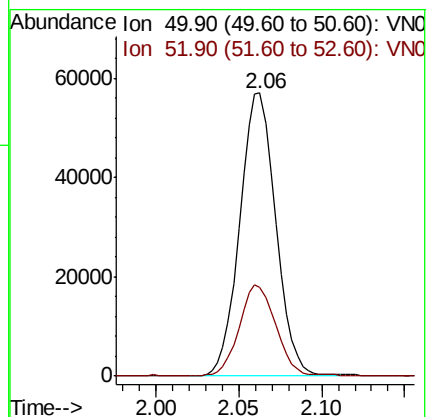
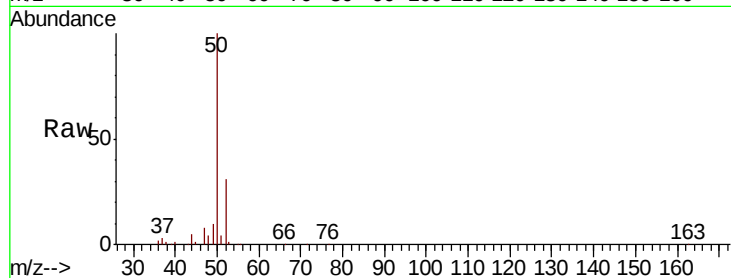
VN1106WBSD02

Tgt Ion: 50 Resp: 86110

Ion Ratio Lower Upper

50 100

52 31.5 26.6 39.8



#4

Vinyl Chloride

Concen: 21.304 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052184.D

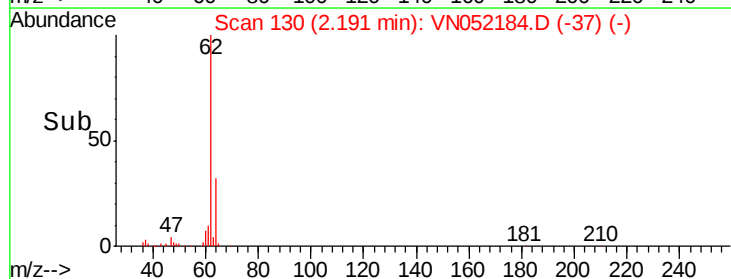
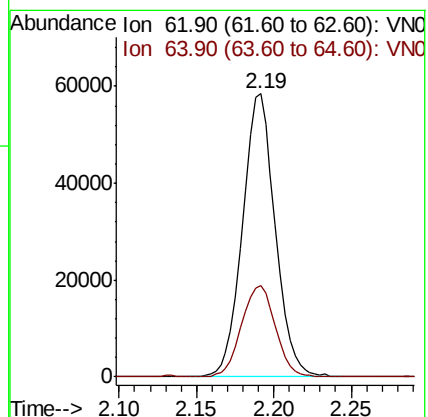
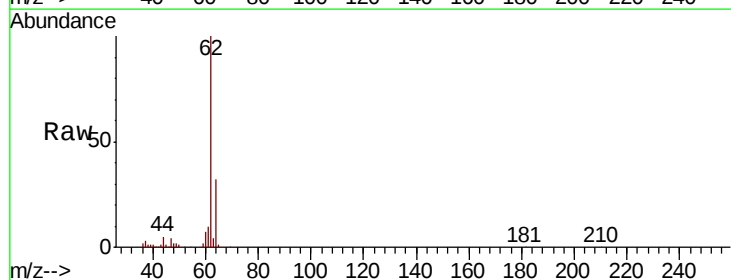
Acq: 6 Nov 2018 11:41

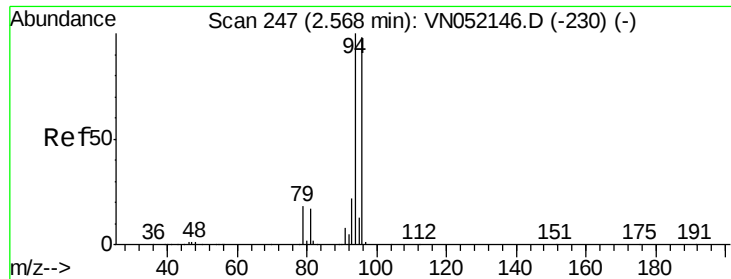
Tgt Ion: 62 Resp: 85756

Ion Ratio Lower Upper

62 100

64 32.1 23.7 35.5





#5

Bromomethane

Concen: 20.069 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

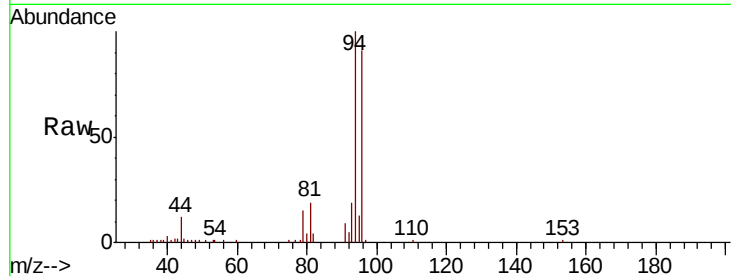
VN1106WBSD02

Tgt Ion: 94 Resp: 60396

Ion Ratio Lower Upper

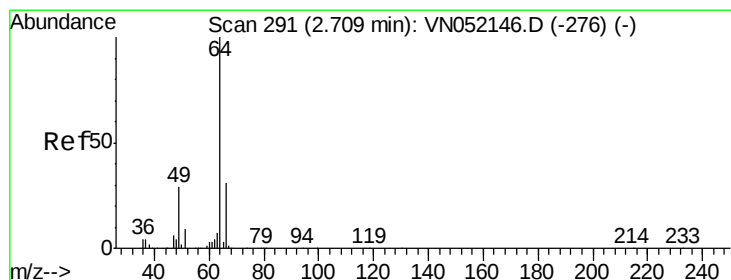
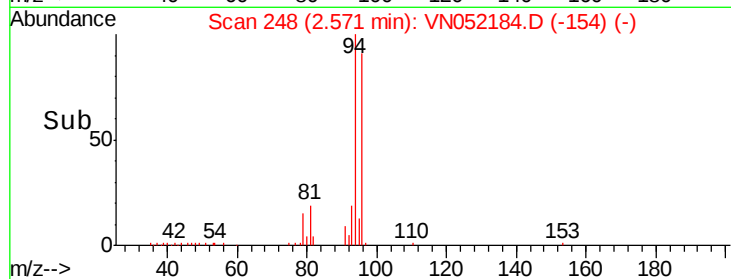
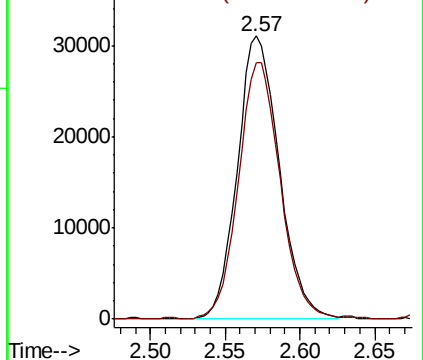
94 100

96 90.6 71.8 107.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.393 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052184.D

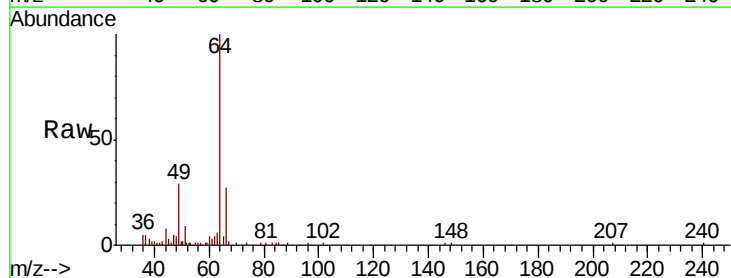
Acq: 6 Nov 2018 11:41

Tgt Ion: 64 Resp: 55062

Ion Ratio Lower Upper

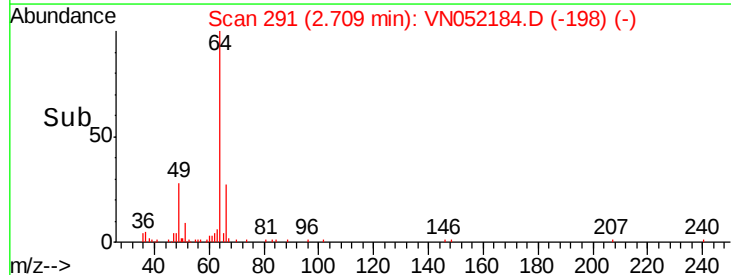
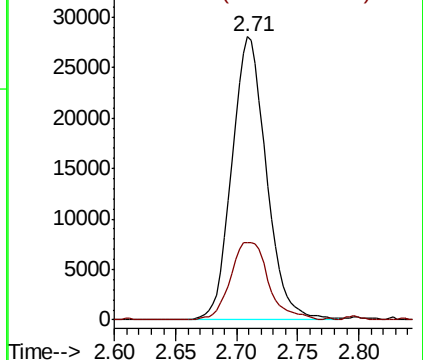
64 100

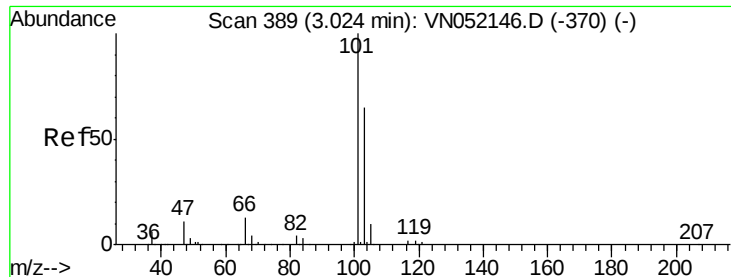
66 27.4 27.9 41.9#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



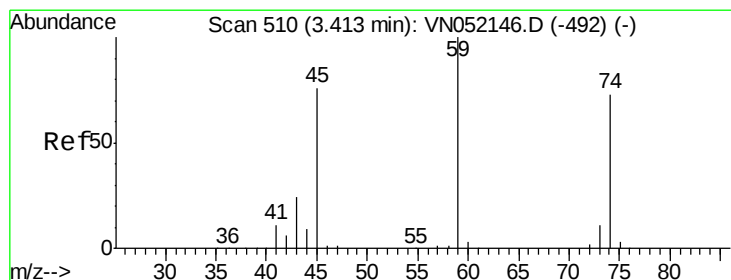
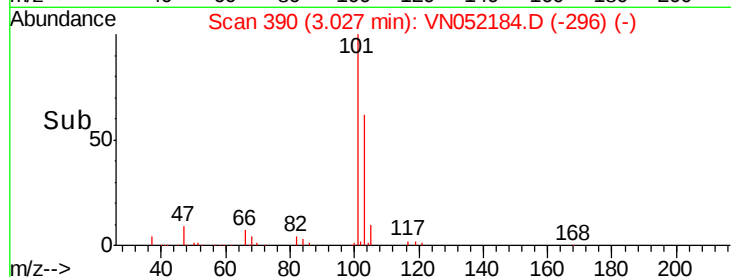
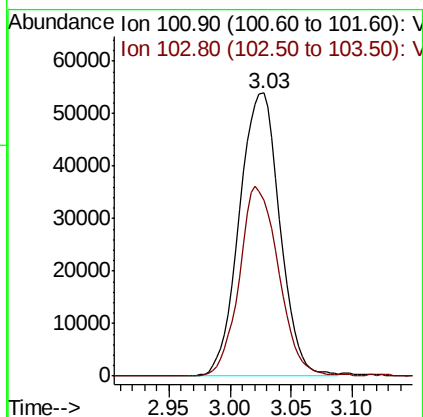
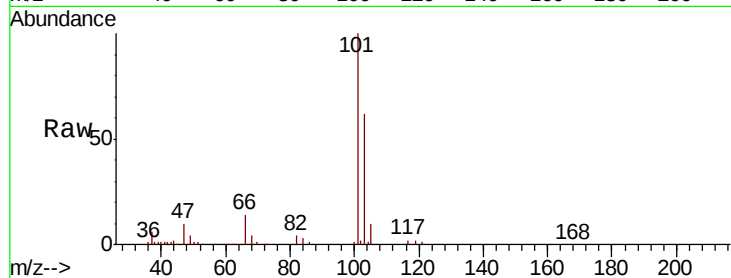


#7

Trichlorofluoromethane
 Concen: 21.191 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

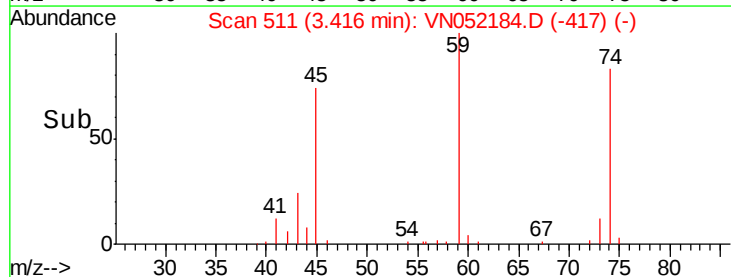
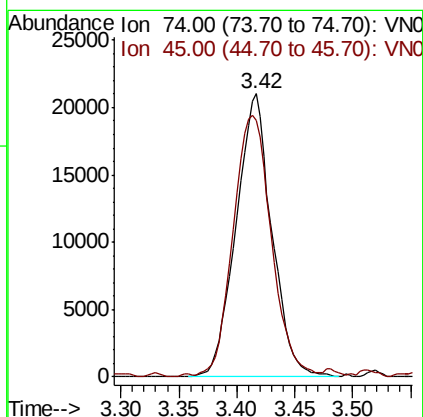
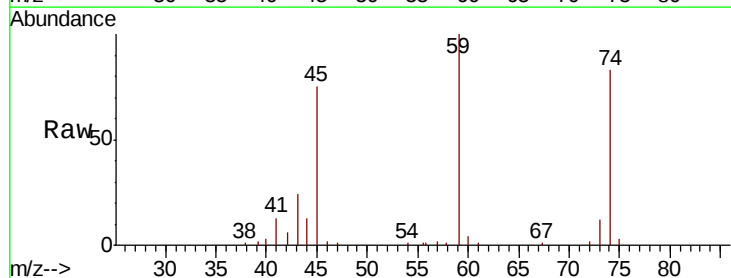
Tgt Ion: 101 Resp: 123908
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.0 76.4

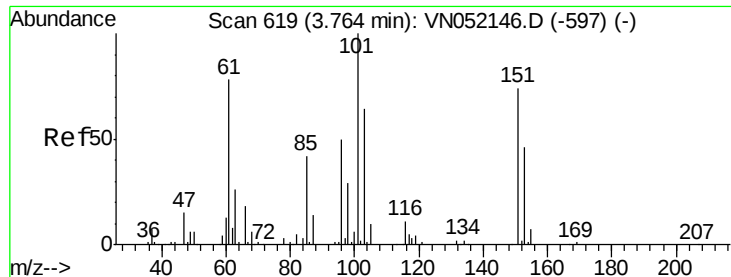


#8

Diethyl Ether
 Concen: 21.987 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 74 Resp: 44915
 Ion Ratio Lower Upper
 74 100
 45 96.7 55.6 166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.016 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

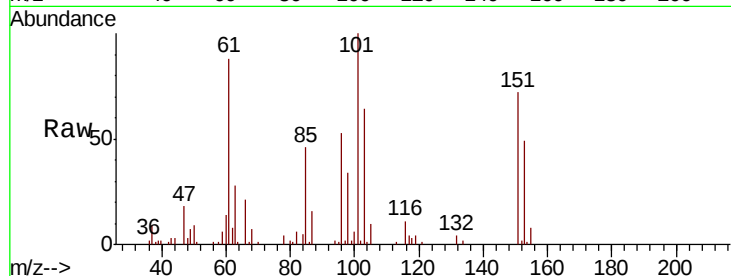
Tgt Ion:101 Resp: 73432

Ion Ratio Lower Upper

101 100

85 45.2 38.6 58.0

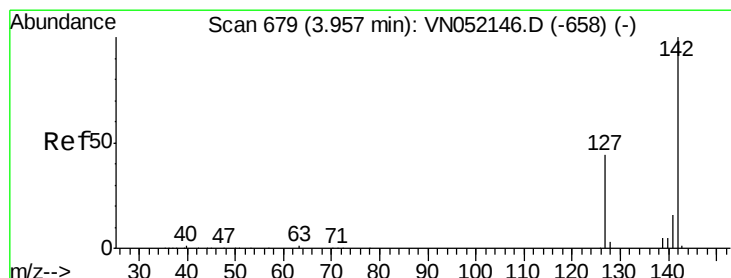
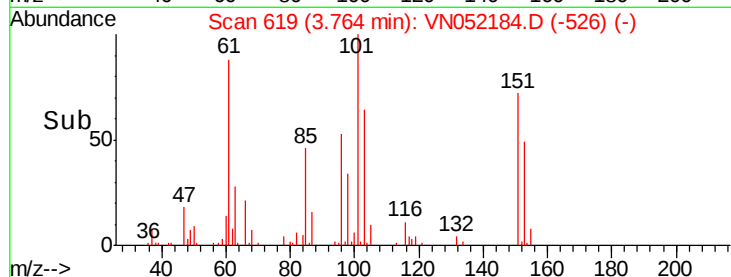
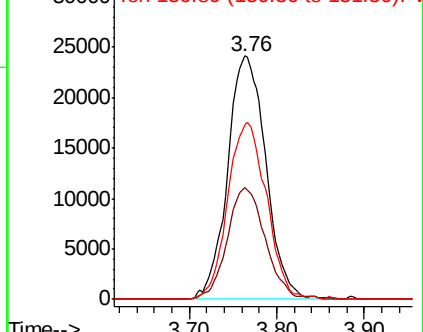
151 73.4 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.581 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

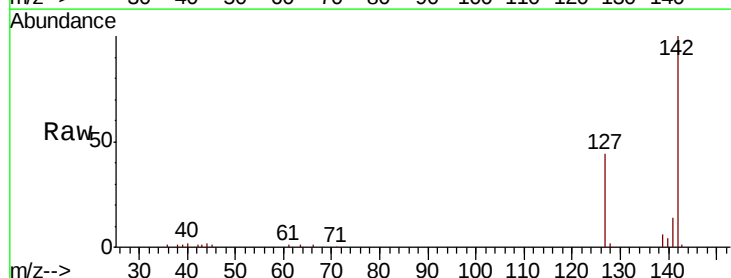
Tgt Ion:142 Resp: 96598

Ion Ratio Lower Upper

142 100

127 44.6 37.3 55.9

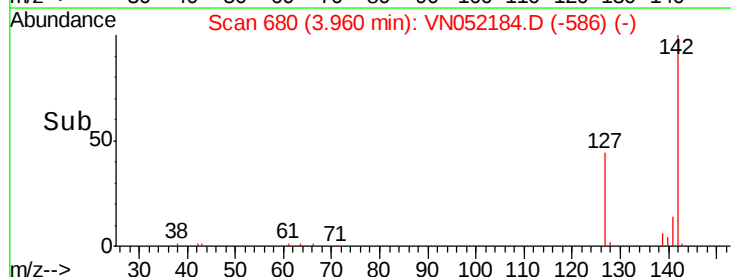
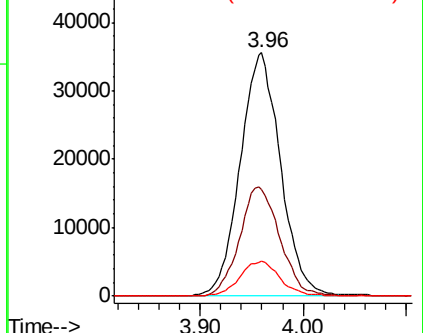
141 14.3 11.4 17.2

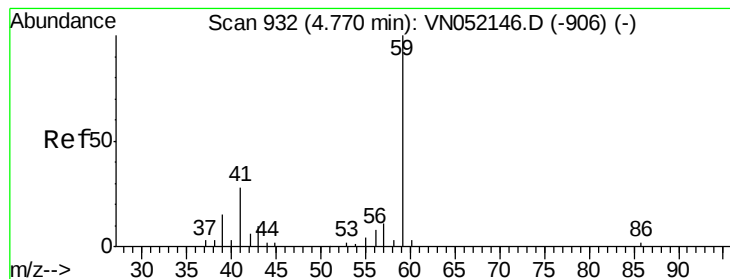


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



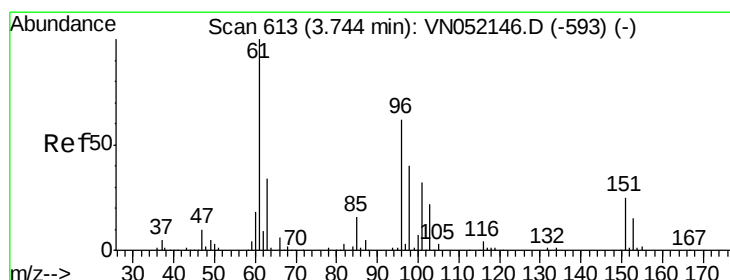
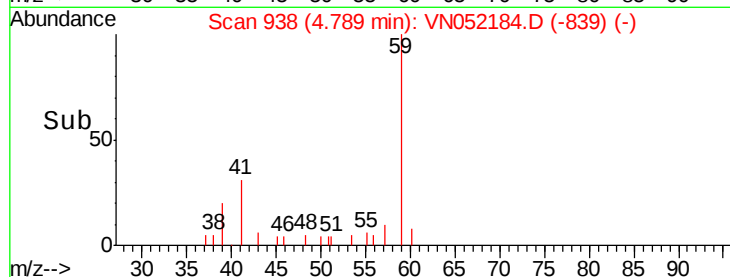
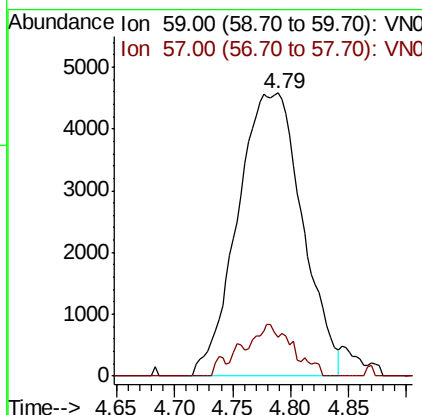
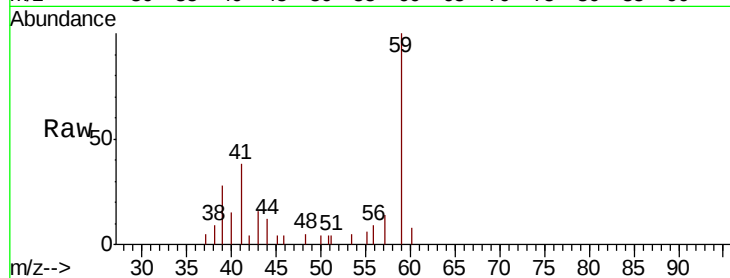


#11

Tert butyl alcohol
 Concen: 96.174 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.02 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

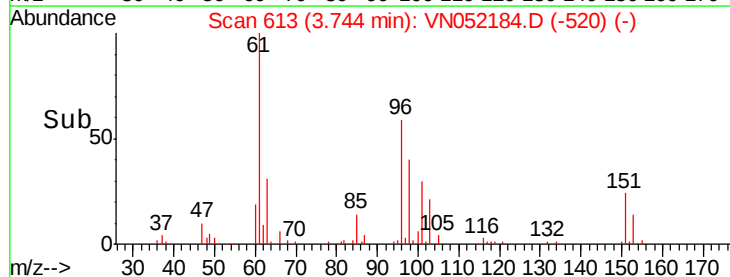
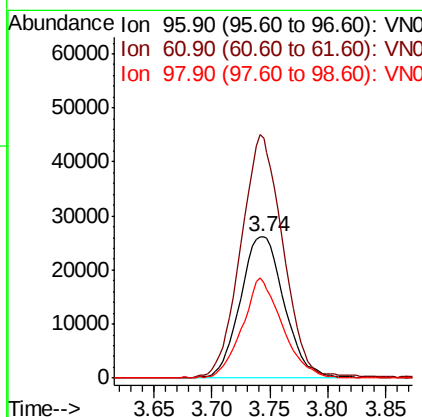
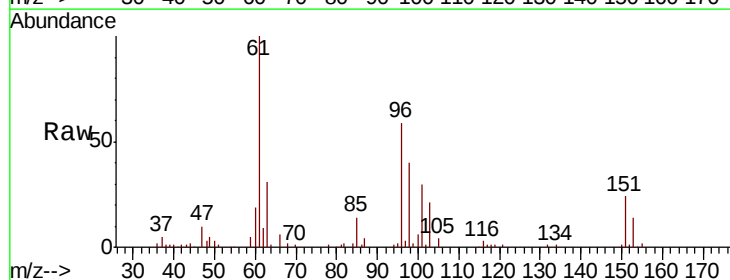
Tgt Ion: 59 Resp: 17767
 Ion Ratio Lower Upper
 59 100
 57 5.8 7.0 10.6#

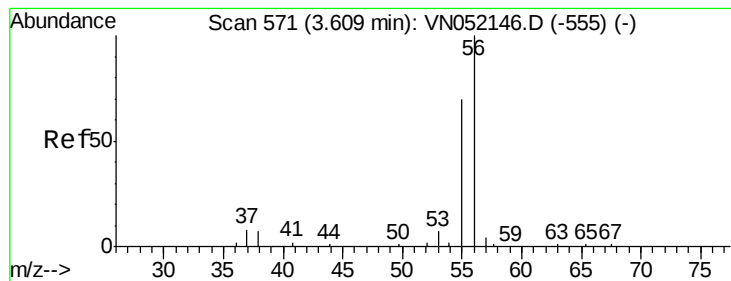


#12

1,1-Dichloroethene
 Concen: 20.985 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 96 Resp: 69034
 Ion Ratio Lower Upper
 96 100
 61 169.3 145.7 218.5
 98 67.2 49.8 74.8





#13

Acrolein

Concen: 130.650 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

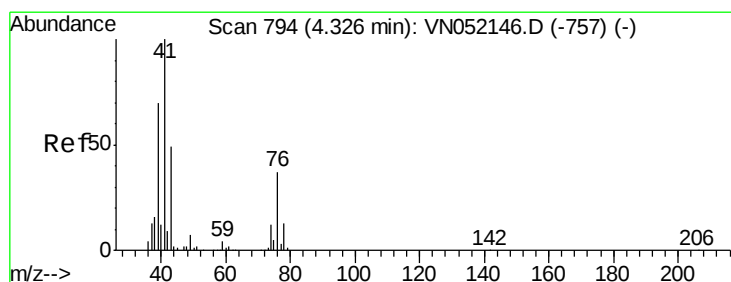
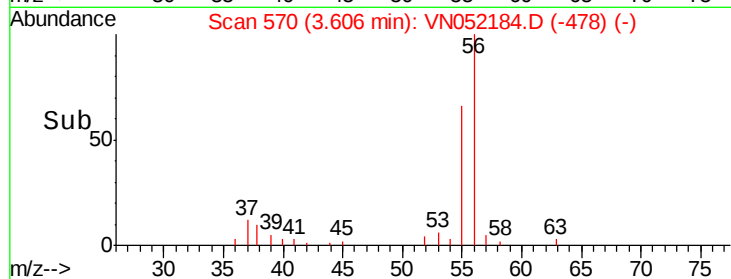
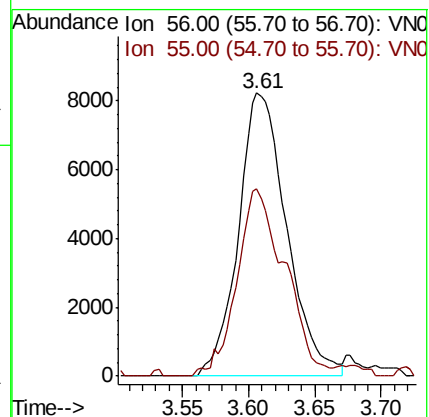
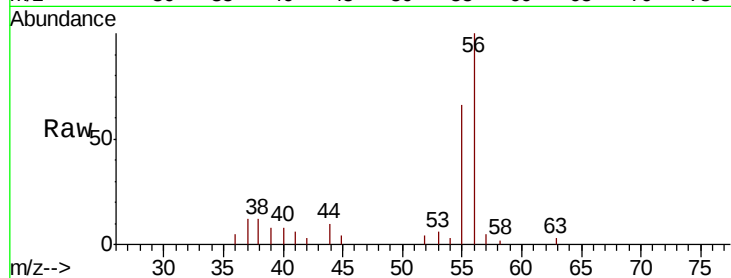
VN1106WBSD02

Tgt Ion: 56 Resp: 20879

Ion Ratio Lower Upper

56 100

55 66.1 59.9 89.9



#14

Allyl chloride

Concen: 20.134 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

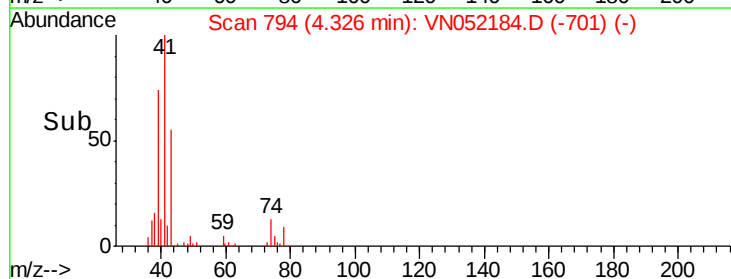
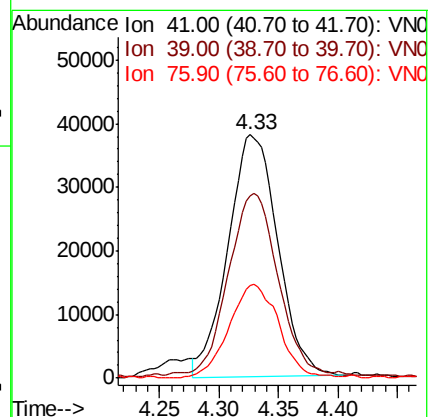
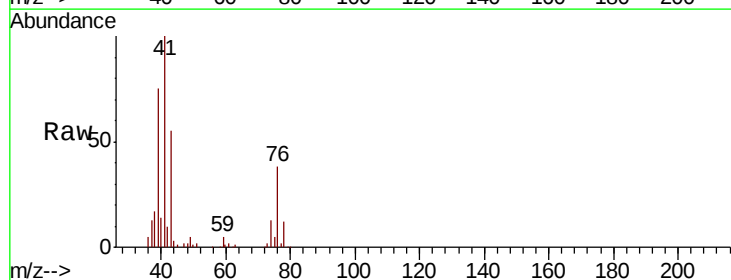
Tgt Ion: 41 Resp: 110542

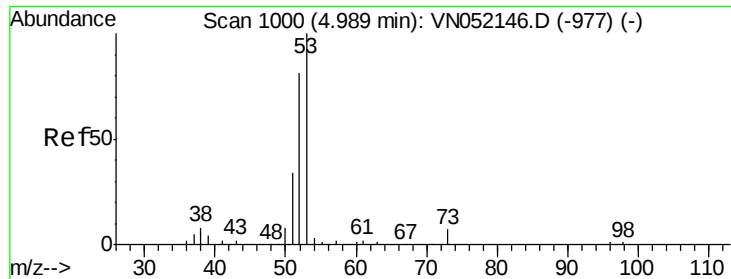
Ion Ratio Lower Upper

41 100

39 73.8 58.1 87.1

76 38.6 26.0 39.0

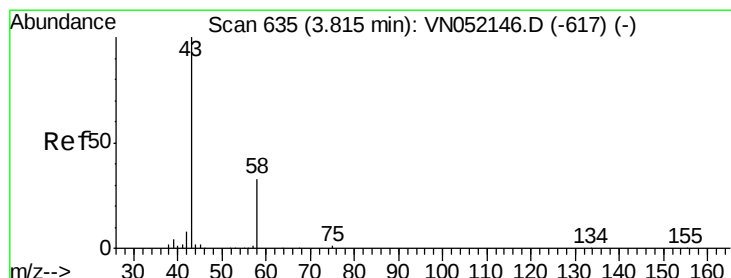
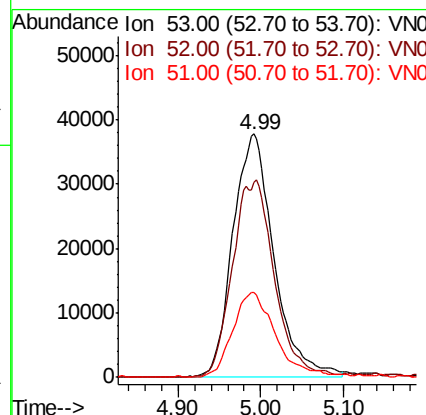
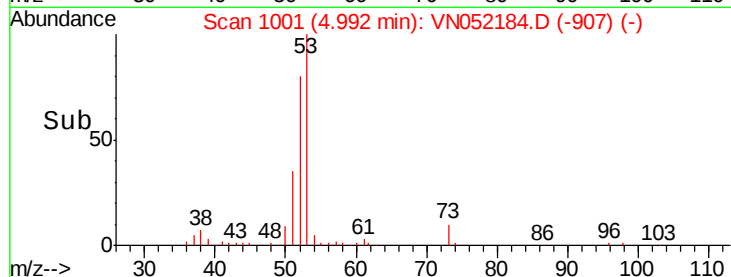
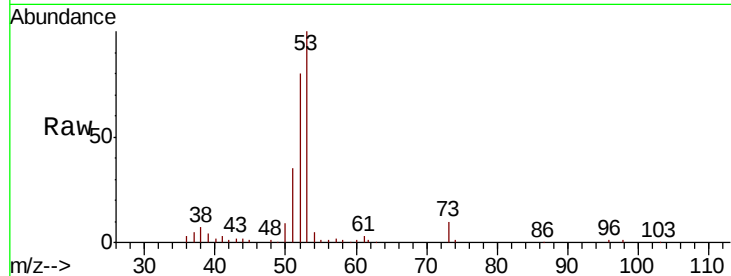




#15
 Acrylonitrile
 Concen: 107.342 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

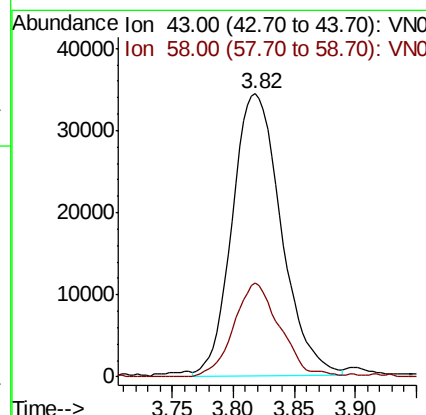
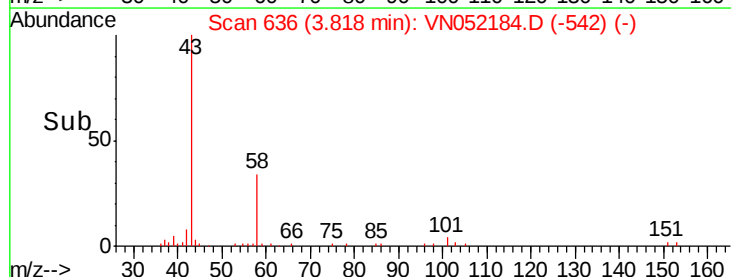
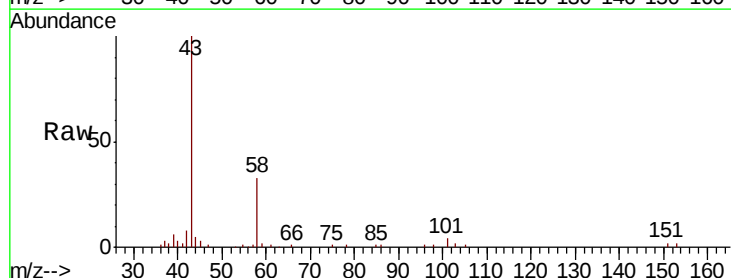
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

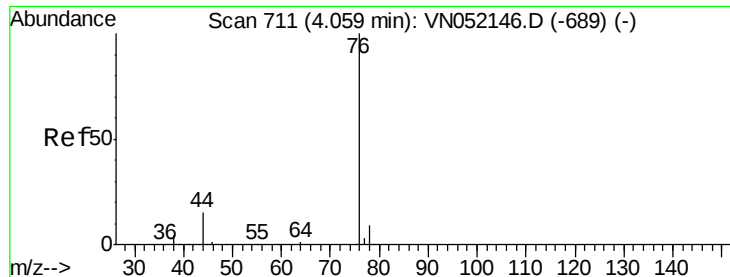
Tgt Ion: 53 Resp: 130110
 Ion Ratio Lower Upper
 53 100
 52 39.4 66.6 100.0#
 51 36.5 29.0 43.6



#16
 Acetone
 Concen: 99.812 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 43 Resp: 95754
 Ion Ratio Lower Upper
 43 100
 58 33.9 24.2 36.2

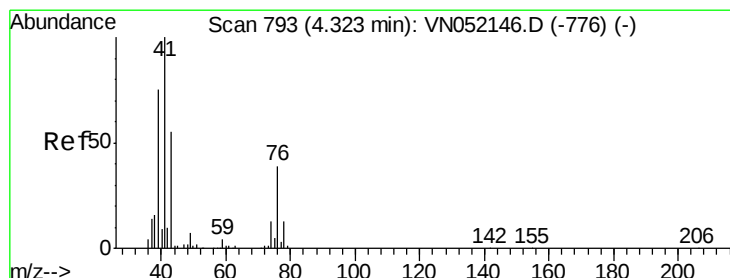
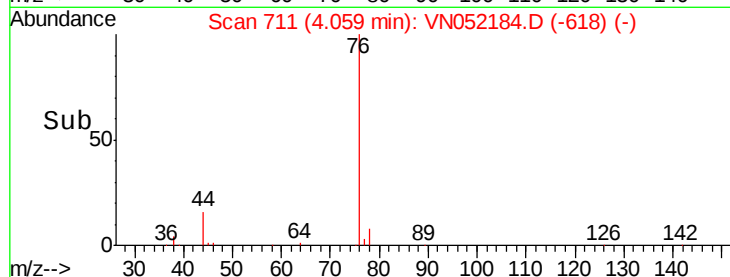
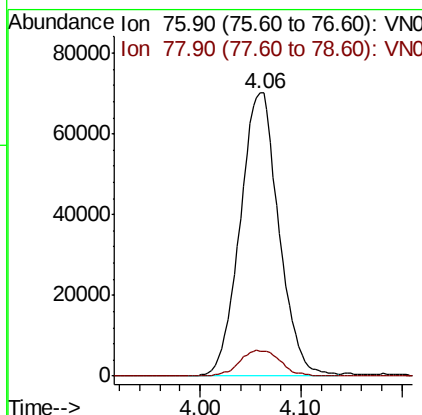
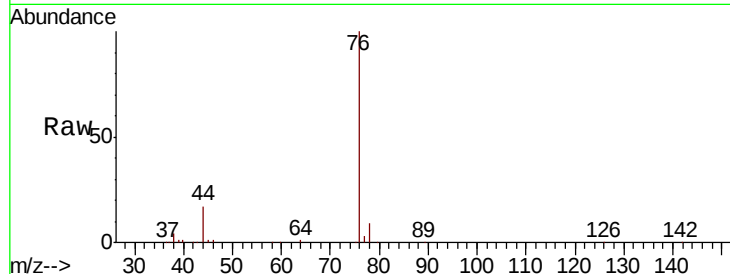




#17
Carbon Disulfide
Concen: 19.905 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

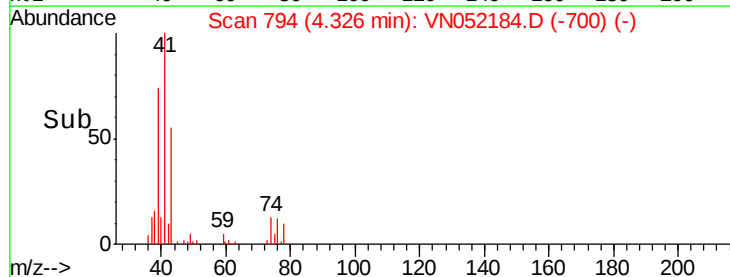
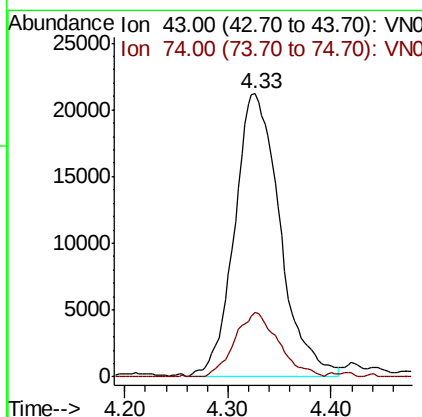
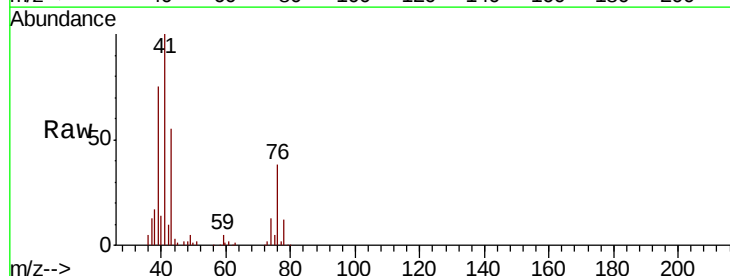
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

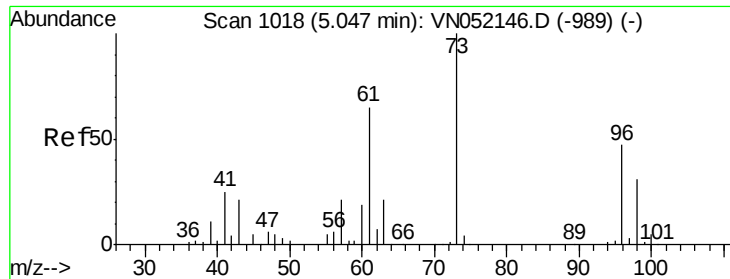
Tgt Ion: 76 Resp: 186857
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 21.910 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 43 Resp: 65049
Ion Ratio Lower Upper
43 100
74 21.9 17.9 26.9

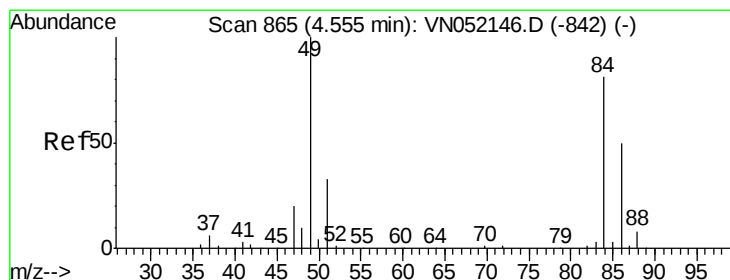
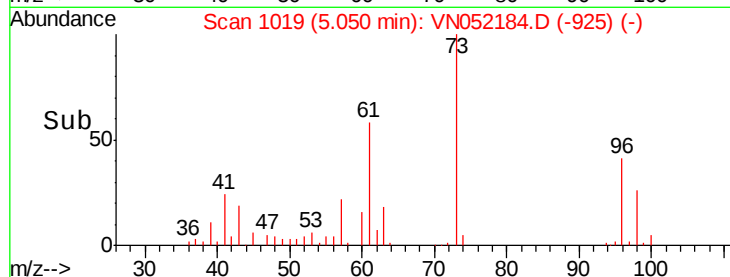
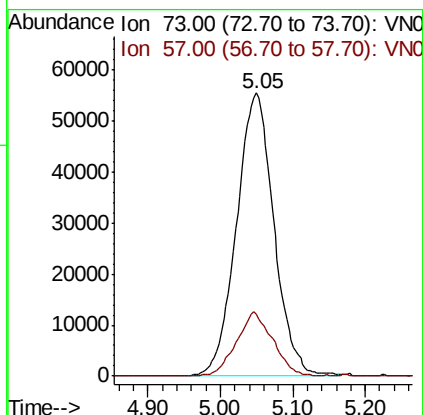
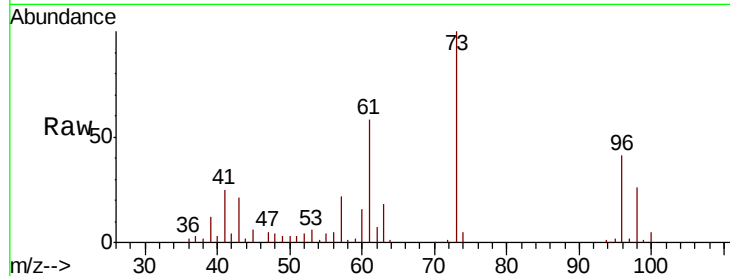




#19
Methyl tert-butyl Ether
Concen: 21.995 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

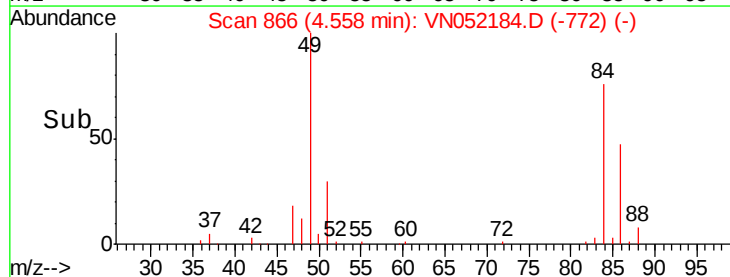
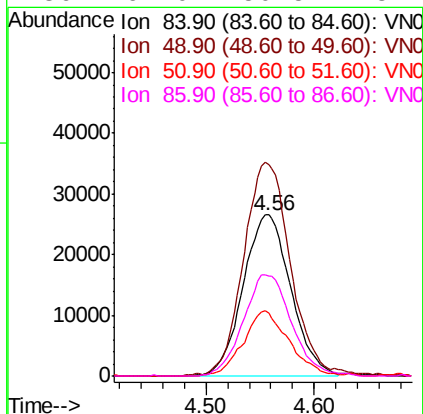
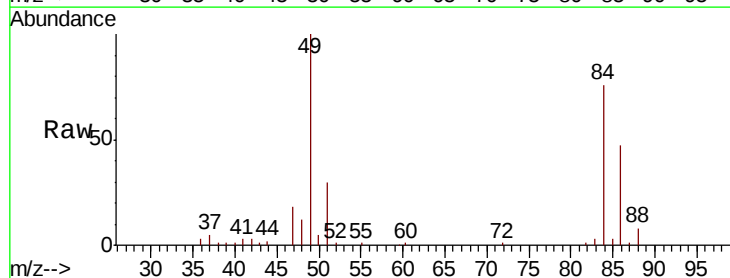
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

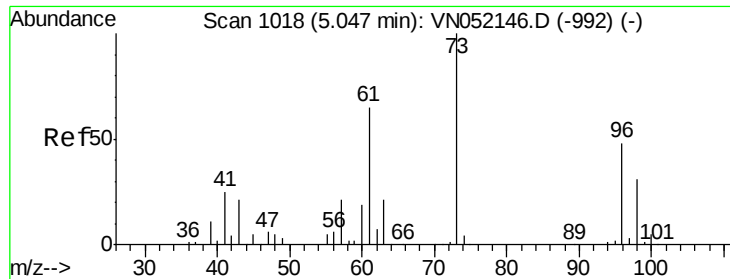
Tgt Ion: 73 Resp: 199315
Ion Ratio Lower Upper
73 100
57 21.9 18.7 28.1



#20
Methylene Chloride
Concen: 20.451 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 84 Resp: 81521
Ion Ratio Lower Upper
84 100
49 130.2 110.6 165.8
51 39.1 33.7 50.5
86 62.0 50.5 75.7

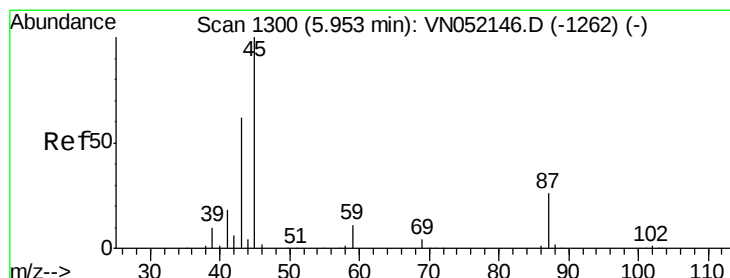
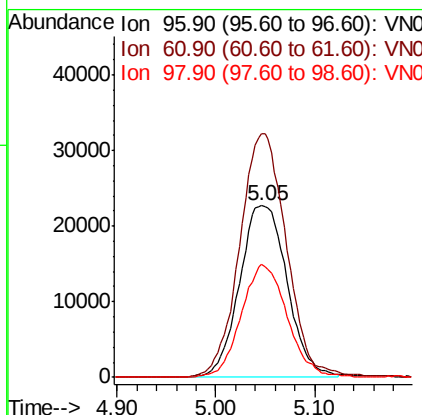
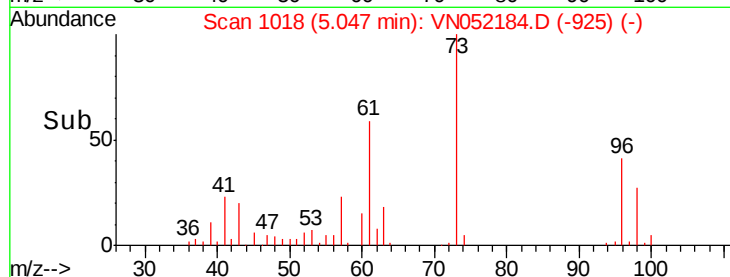
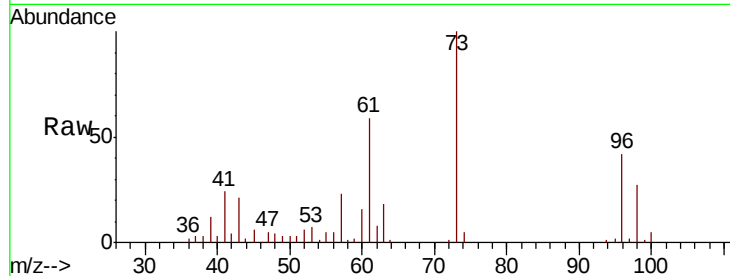




#21
trans-1,2-Dichloroethene
Concen: 22.219 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

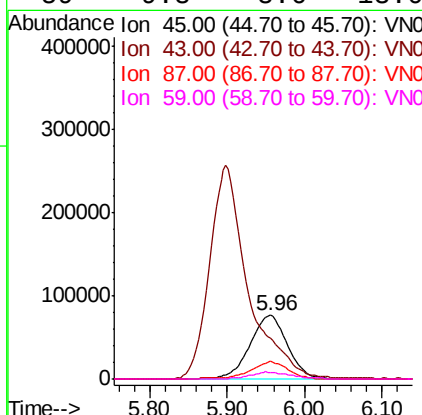
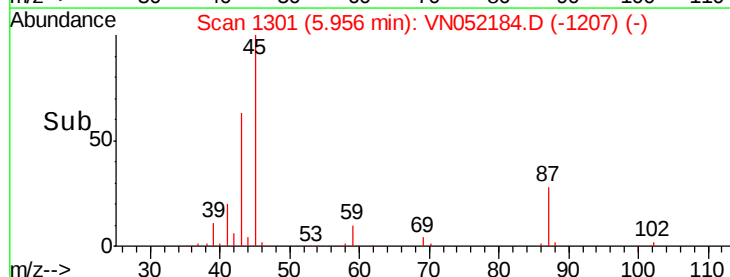
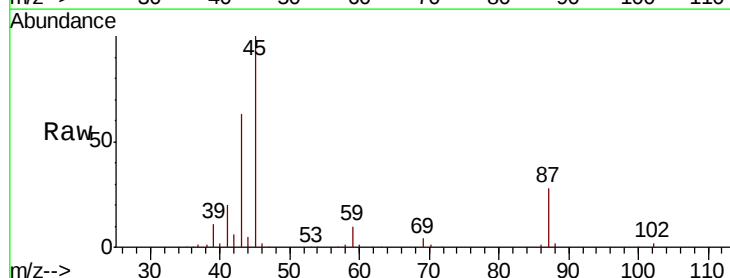
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

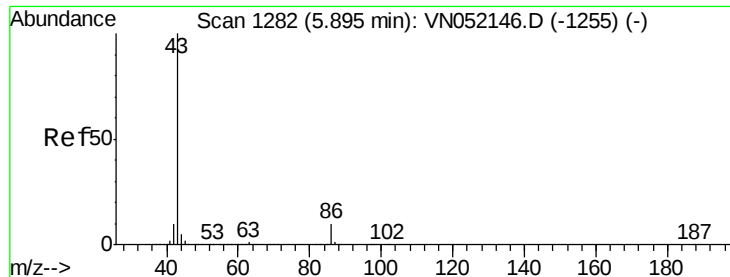
Tgt Ion: 96 Resp: 76012
Ion Ratio Lower Upper
96 100
61 141.6 118.6 178.0
98 65.6 49.7 74.5



#22
Diisopropyl ether
Concen: 21.431 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 45 Resp: 259394
Ion Ratio Lower Upper
45 100
43 61.0 50.5 75.7
87 27.6 21.5 32.3
59 9.8 8.6 13.0





#23

Vinyl Acetate

Concen: 111.759 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

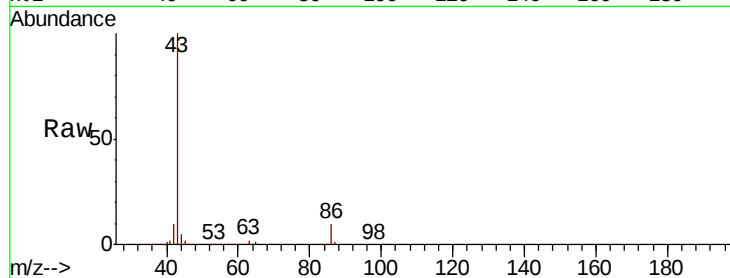
VN1106WBSD02

Tgt Ion: 43 Resp: 889740

Ion Ratio Lower Upper

43 100

86 10.0 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN052184.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN052184.D (-1255) (-)

5.90

250000

200000

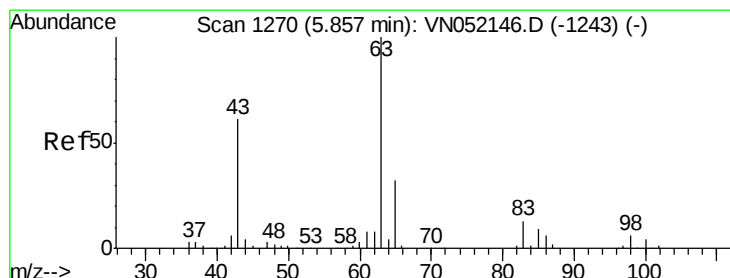
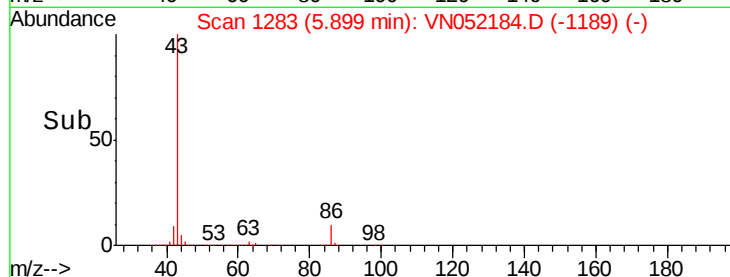
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.755 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

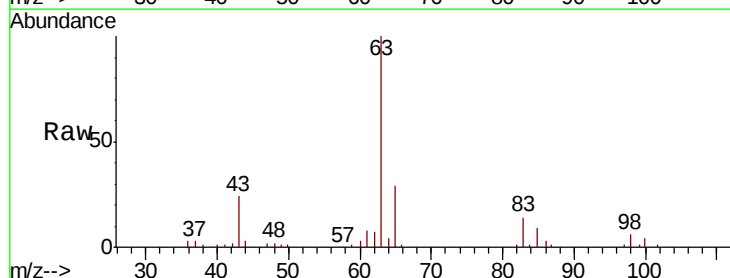
Tgt Ion: 63 Resp: 148959

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052184.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052184.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052184.D (-1243) (-)

5.85

60000

50000

40000

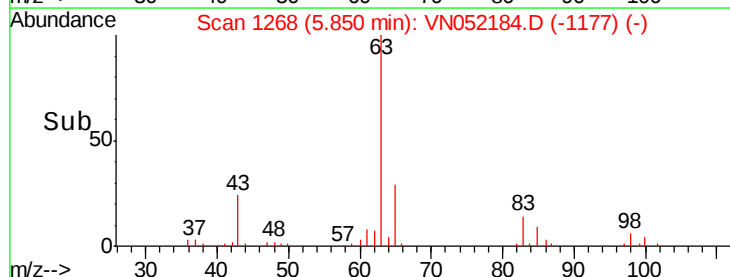
30000

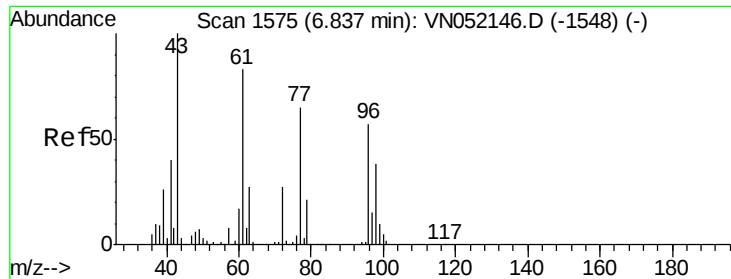
20000

10000

0

Time--> 5.70 5.80 5.90

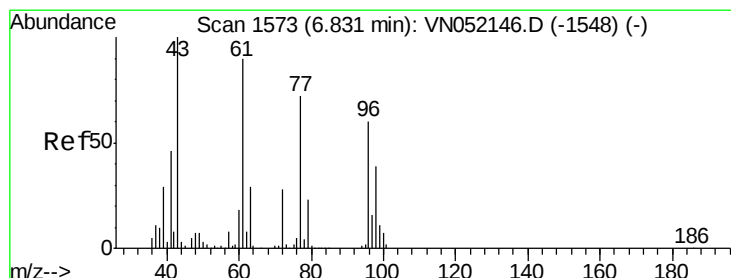
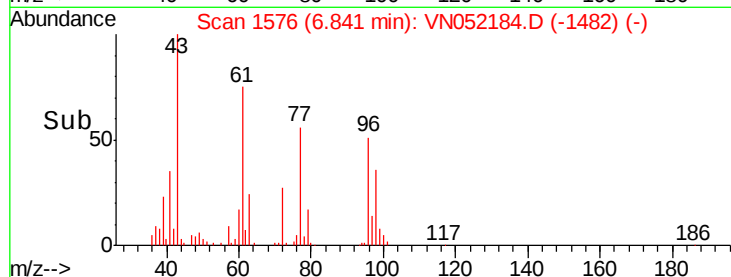
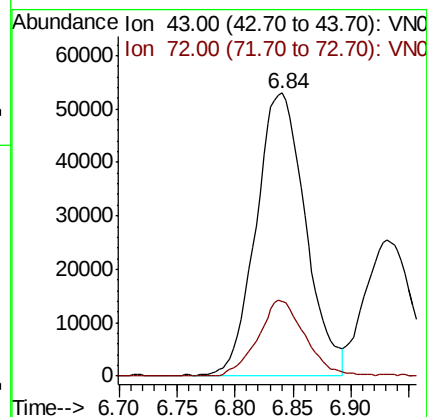
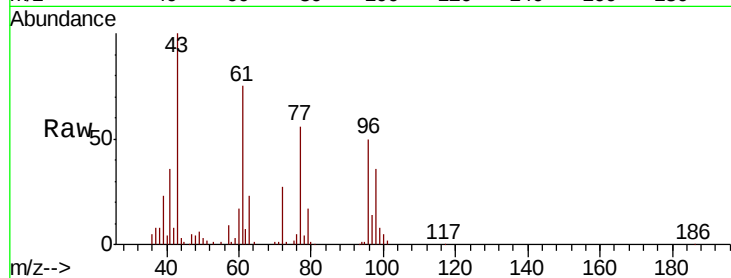




#25
2-Butanone
Concen: 105.832 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

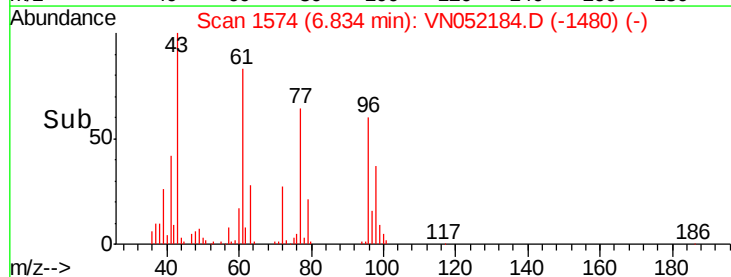
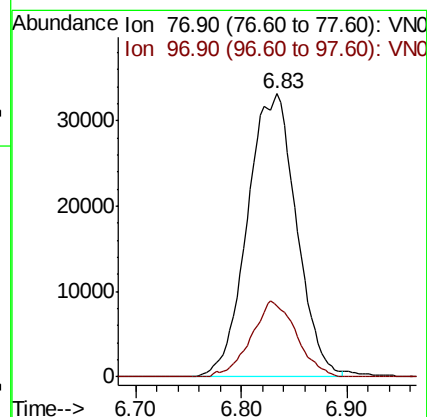
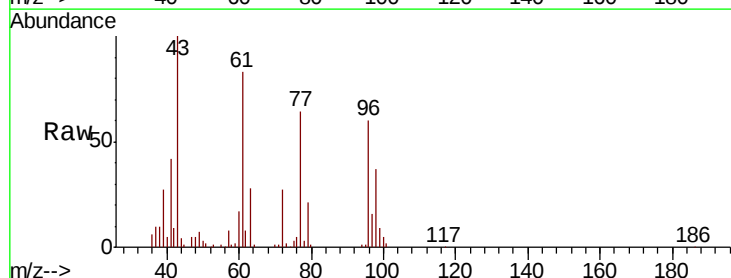
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

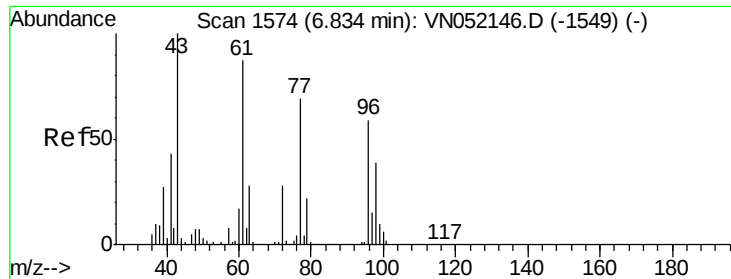
Tgt Ion: 43 Resp: 157434
Ion Ratio Lower Upper
43 100
72 26.6 20.2 30.2



#26
2,2-Dichloropropane
Concen: 20.015 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 77 Resp: 107189
Ion Ratio Lower Upper
77 100
97 24.8 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 21.256 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

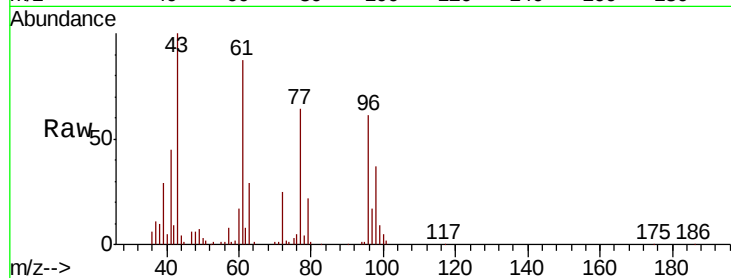
Tgt Ion: 96 Resp: 88215

Ion Ratio Lower Upper

96 100

61 147.4 0.0 312.8

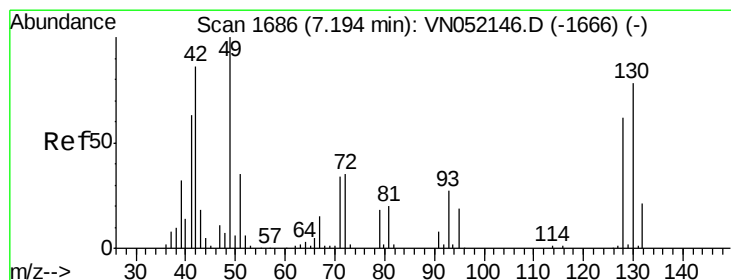
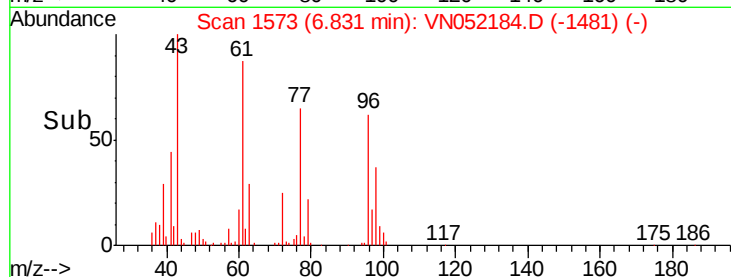
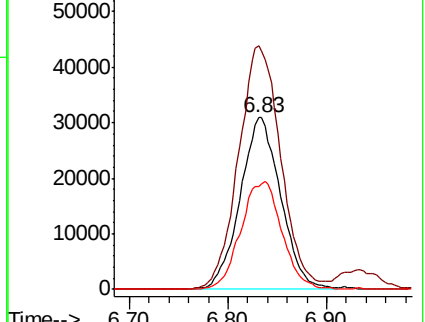
98 63.7 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN052184.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN052184.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN052184.D (-1549) (-)



#28

Bromochloromethane

Concen: 21.261 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

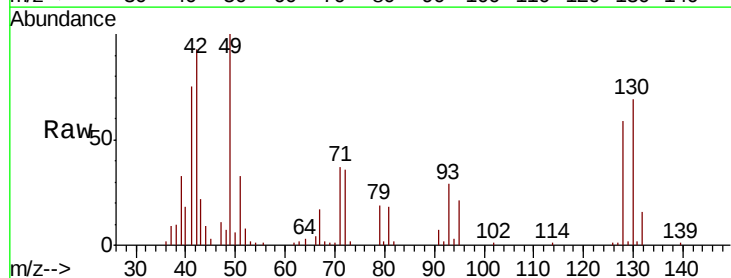
Tgt Ion: 49 Resp: 68919

Ion Ratio Lower Upper

49 100

129 1.0 0.0 2.4

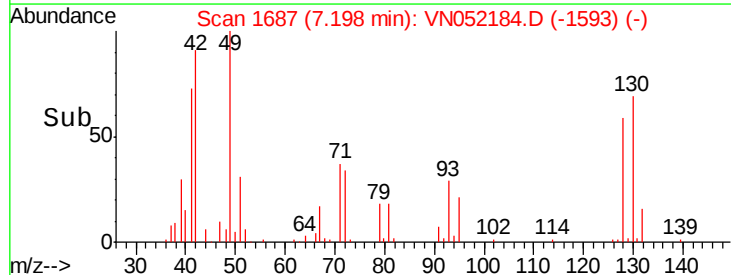
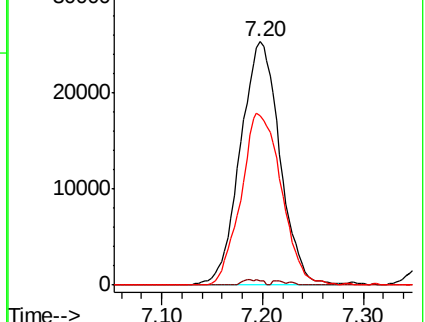
130 72.0 50.8 76.2

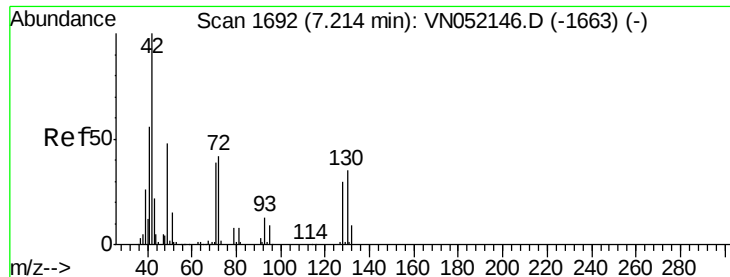


Abundance Ion 48.90 (48.60 to 49.60): VN052184.D (-1666) (-)

Ion 128.80 (128.50 to 129.50): VN052184.D (-1666) (-)

Ion 129.80 (129.50 to 130.50): VN052184.D (-1666) (-)

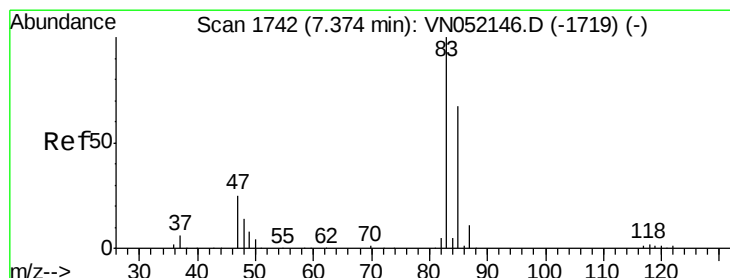
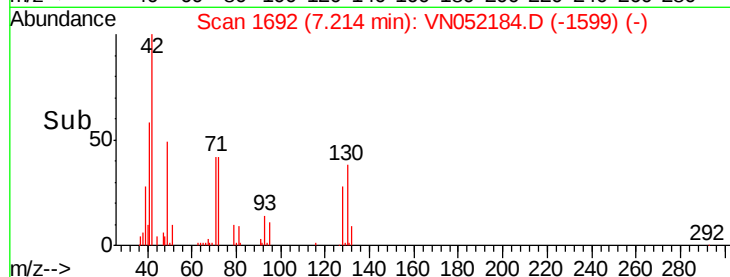
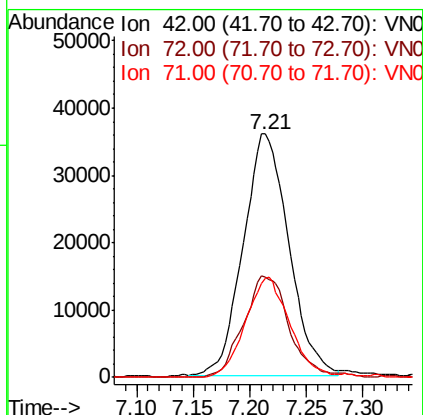
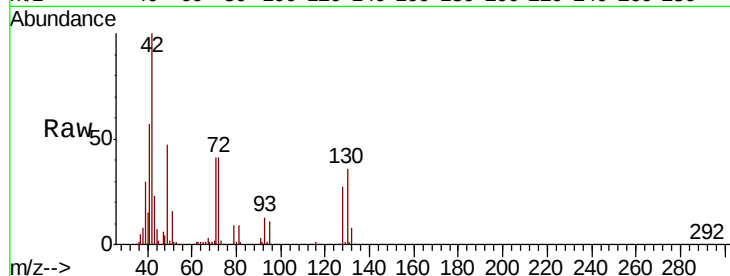




#29
Tetrahydrofuran
Concen: 109.299 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

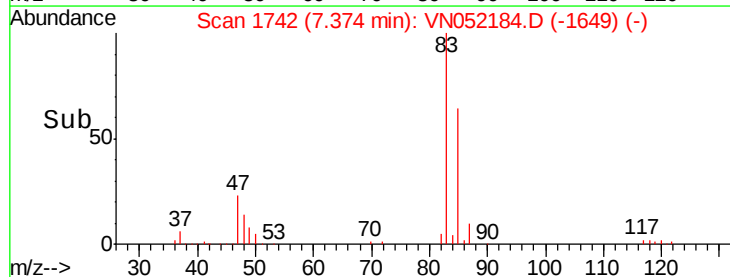
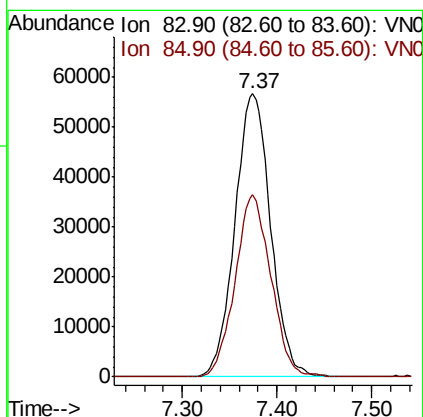
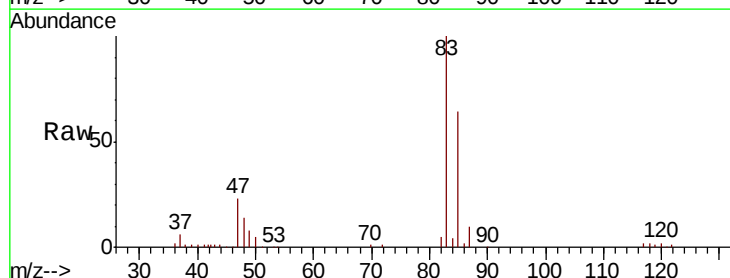
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

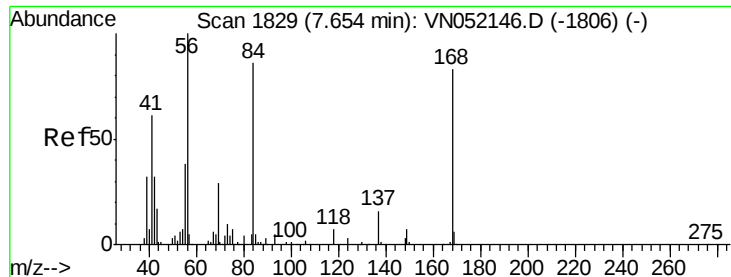
Tgt Ion: 42 Resp: 100600
Ion Ratio Lower Upper
42 100
72 42.1 32.5 48.7
71 40.0 30.6 46.0



#30
Chloroform
Concen: 21.831 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 83 Resp: 148862
Ion Ratio Lower Upper
83 100
85 64.0 49.6 74.4

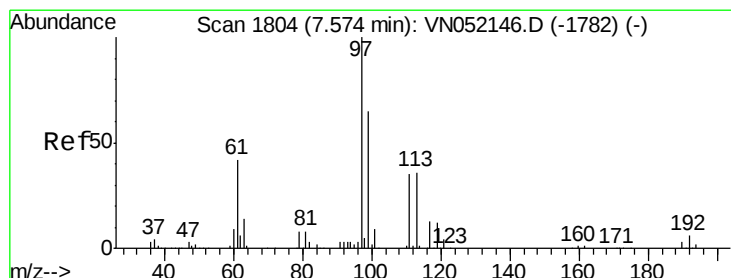
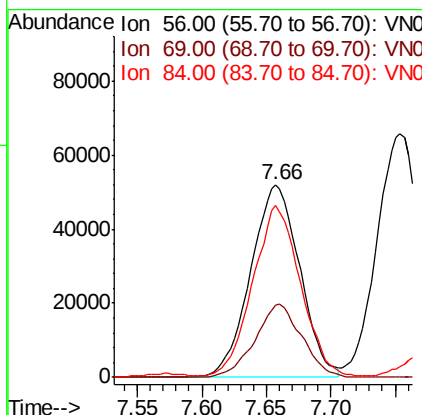
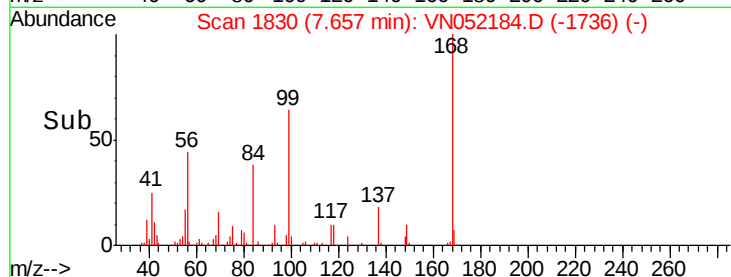
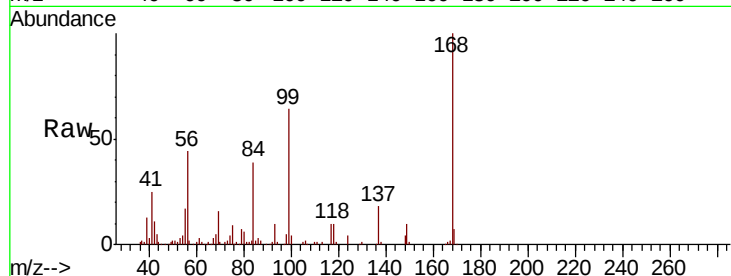




#31
Cyclohexane
Concen: 20.618 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

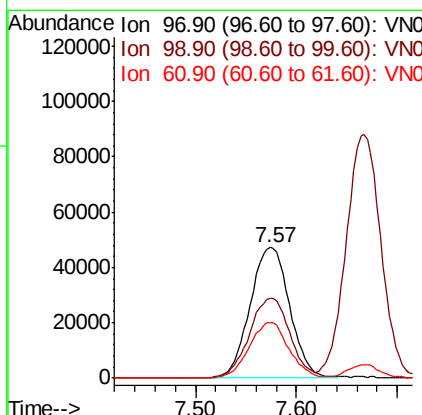
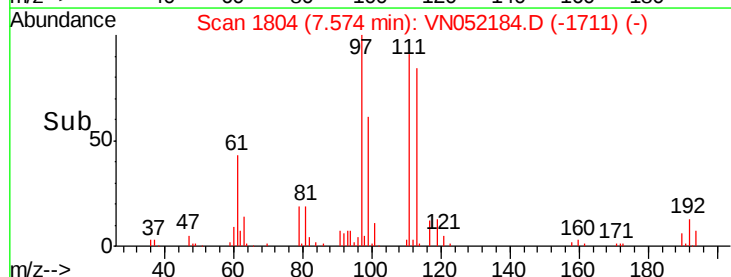
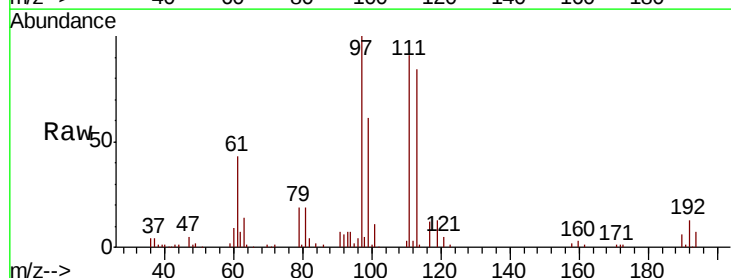
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

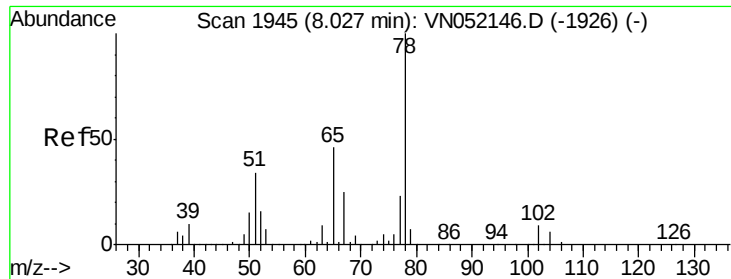
Tgt Ion: 56 Resp: 137616
Ion Ratio Lower Upper
56 100
69 37.3 25.8 38.6
84 87.8 63.5 95.3



#32
1,1,1-Trichloroethane
Concen: 21.296 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 97 Resp: 128807
Ion Ratio Lower Upper
97 100
99 62.4 51.4 77.2
61 42.7 40.3 60.5

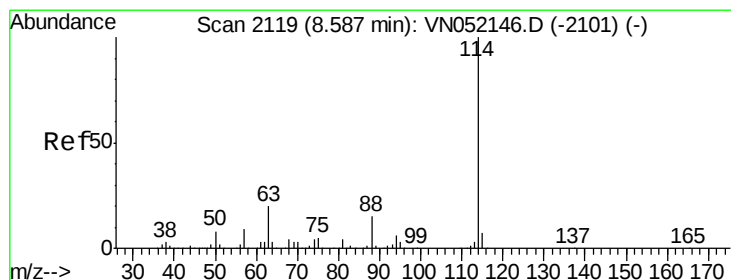
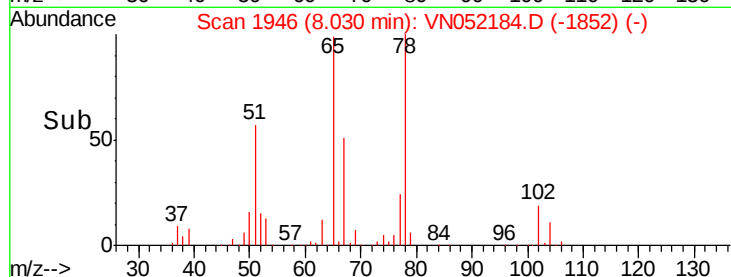
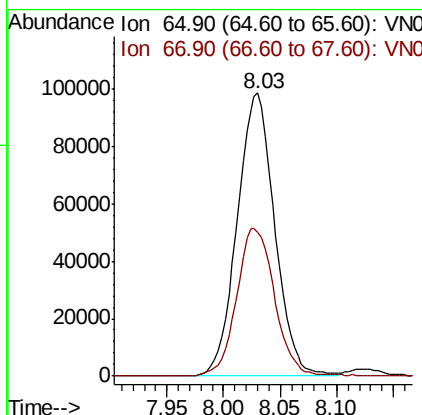
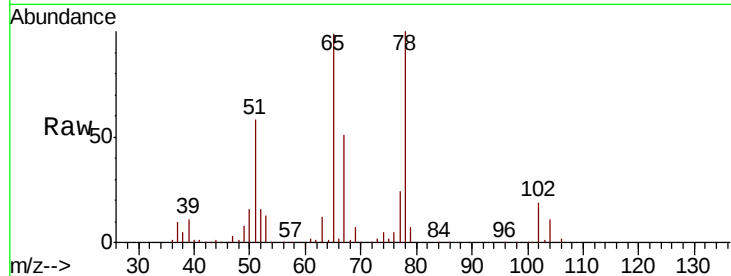




#33
 1,2-Dichloroethane-d4
 Concen: 21.296 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

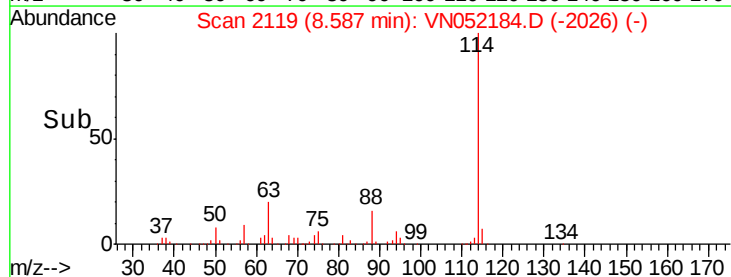
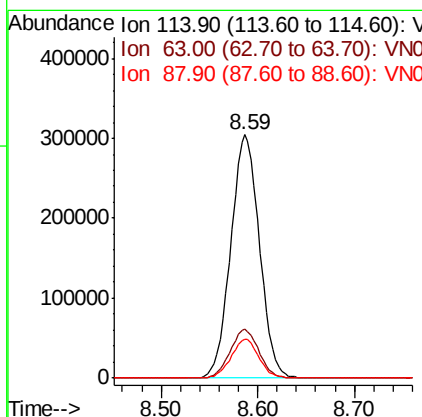
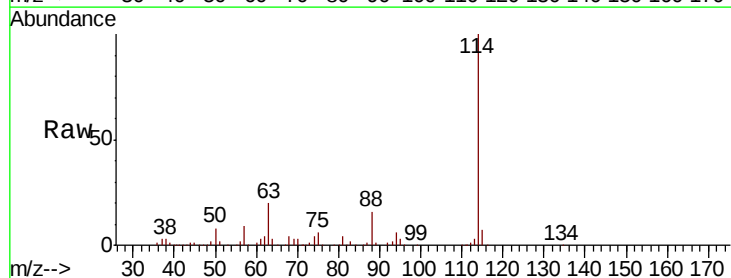
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

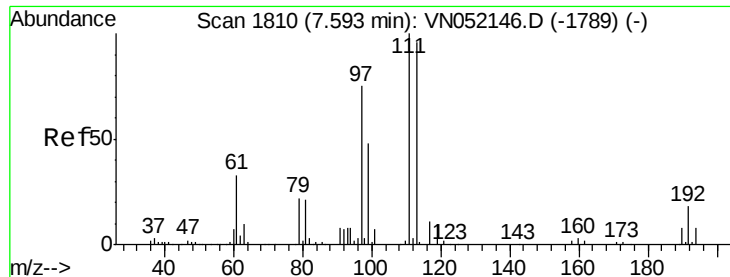
Tgt Ion: 65 Resp: 227562
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 114 Resp: 625212
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 46.0
 88 16.1 0.0 35.4

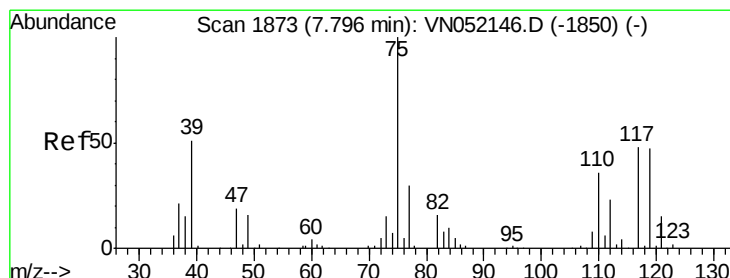
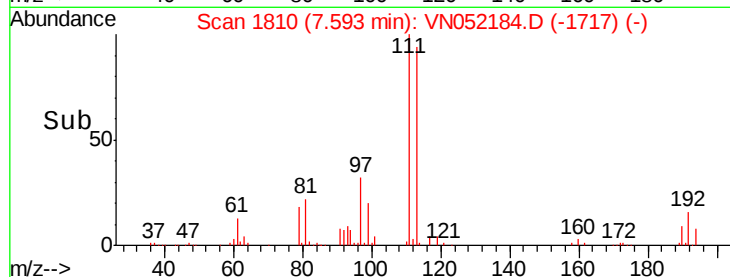
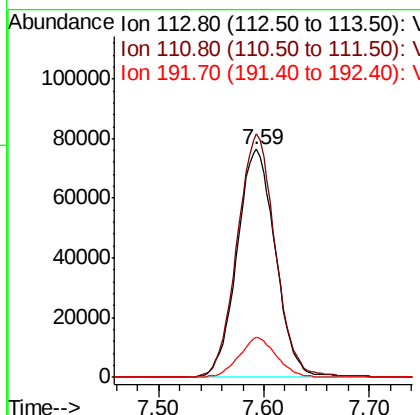
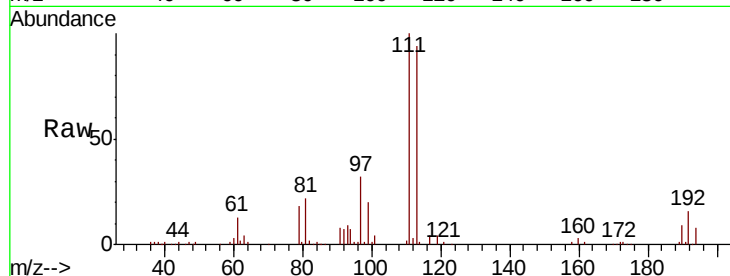




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

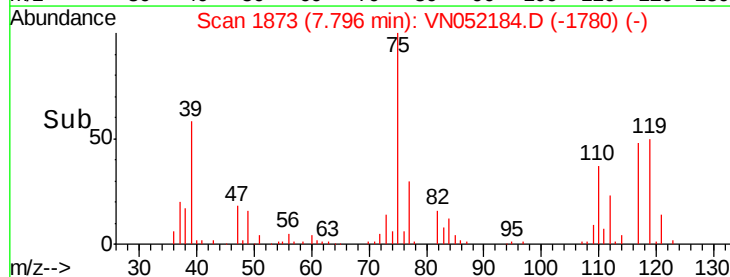
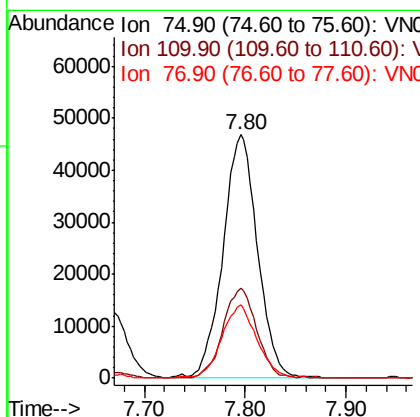
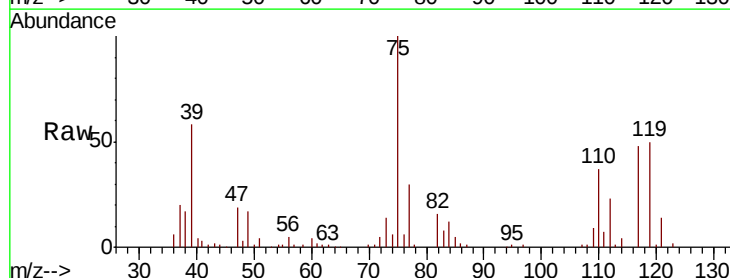
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

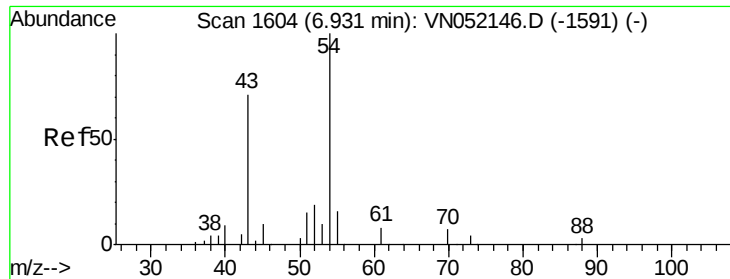
Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.1	83.1	124.7
192	17.1	12.7	19.1



#36
 1,1-Dichloropropene
 Concen: 20.174 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	16.0	48.0
77	30.7	24.5	36.7

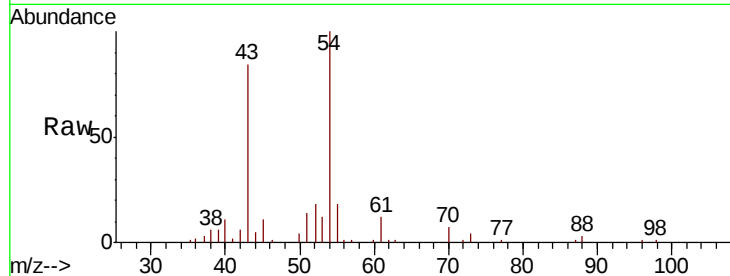




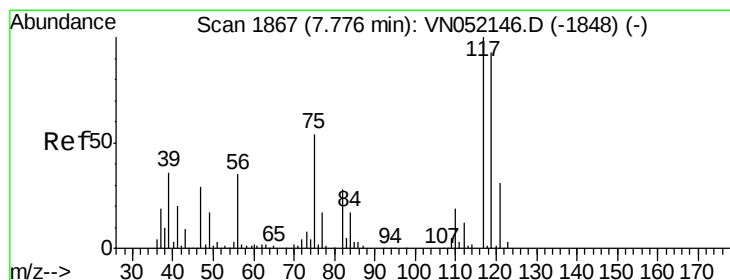
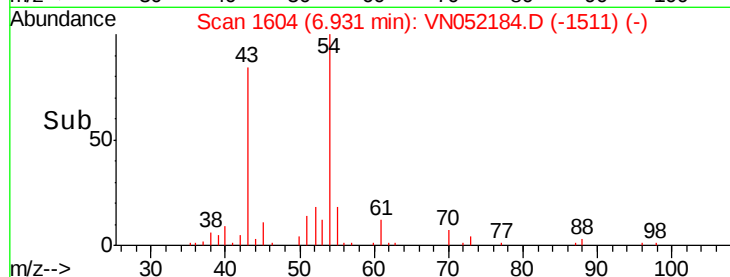
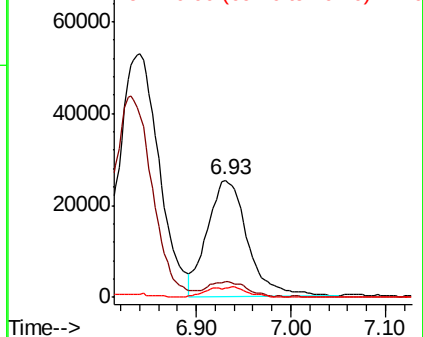
#37
 Ethyl Acetate
 Concen: 21.485 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tgt Ion: 43 Resp: 74825
 Ion Ratio Lower Upper
 43 100
 61 12.2 10.9 16.3
 70 4.0 8.6 12.8#

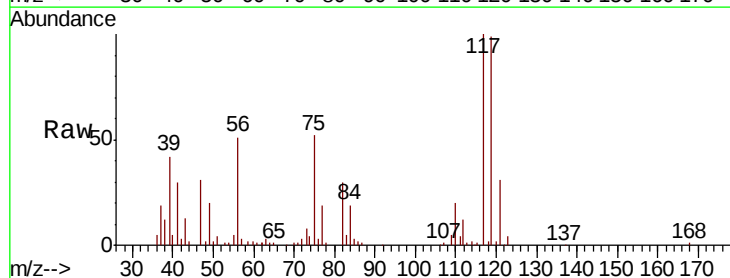


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

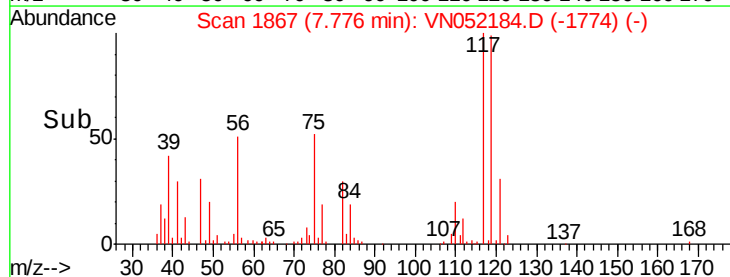
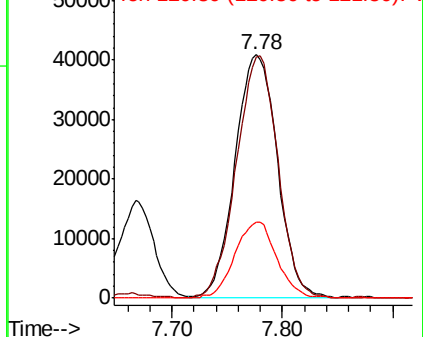


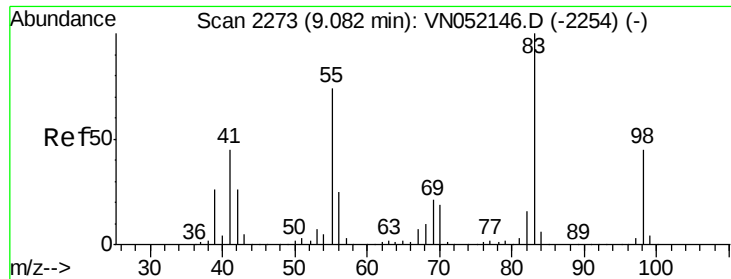
#38
 Carbon Tetrachloride
 Concen: 19.558 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 117 Resp: 108073
 Ion Ratio Lower Upper
 117 100
 119 99.5 74.8 112.2
 121 31.1 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

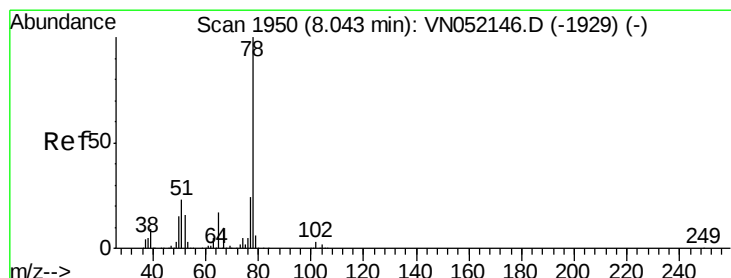
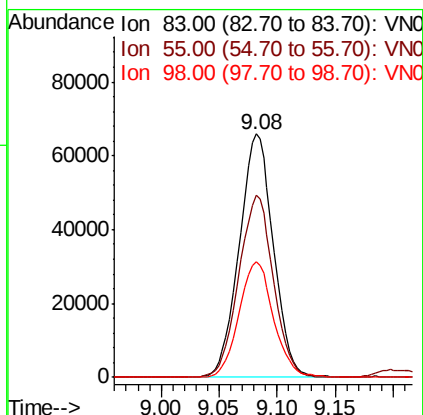
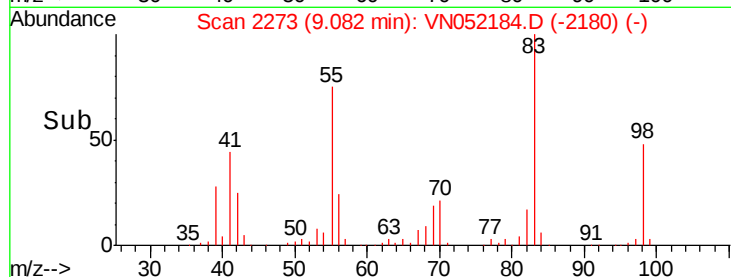
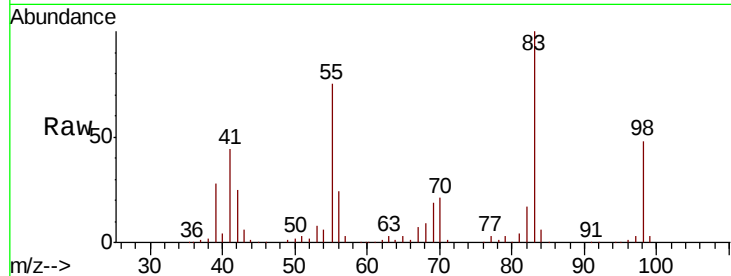




#39
Methylcyclohexane
Concen: 20.579 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

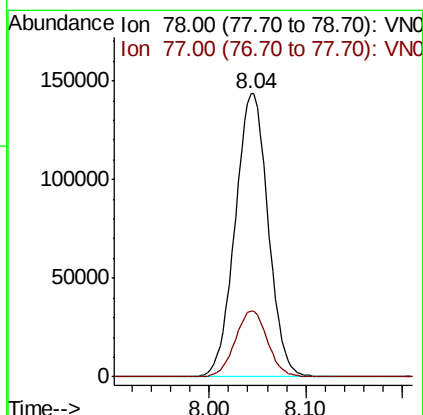
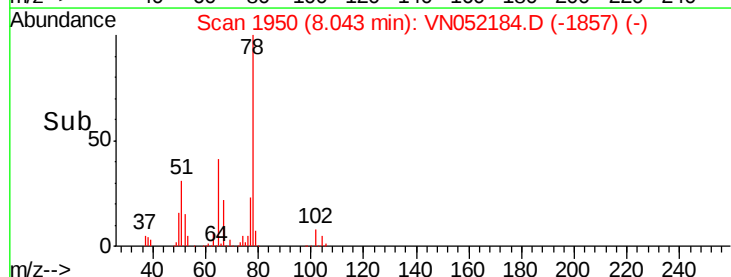
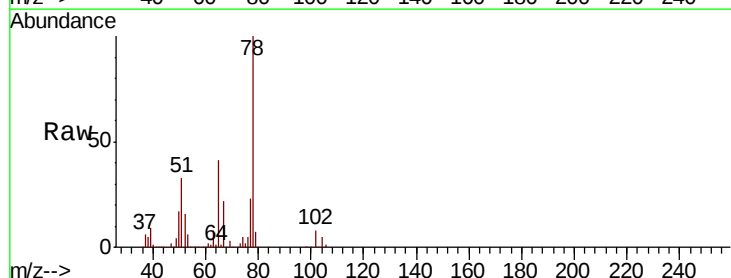
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

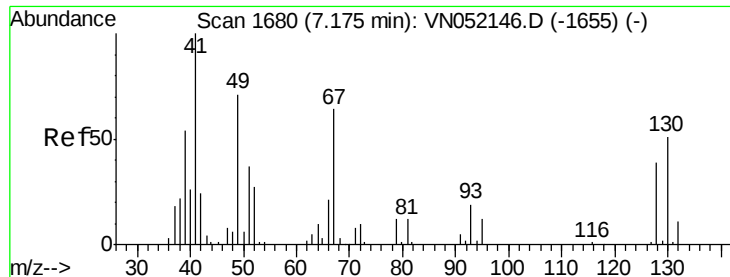
Tgt Ion: 83 Resp: 134798
Ion Ratio Lower Upper
83 100
55 74.8 62.0 93.0
98 47.5 34.7 52.1



#40
Benzene
Concen: 20.925 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 78 Resp: 340212
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.6

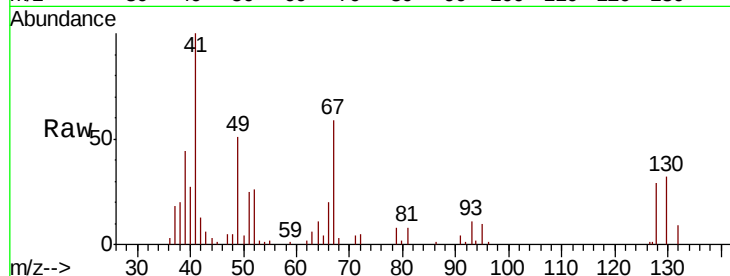




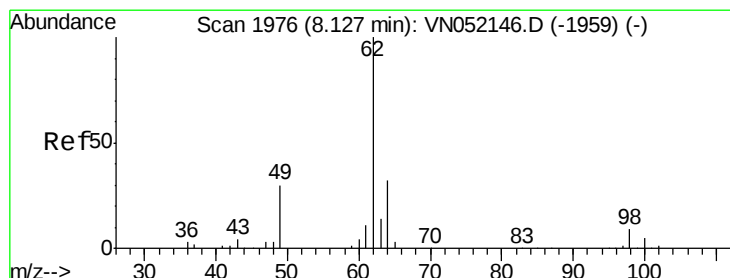
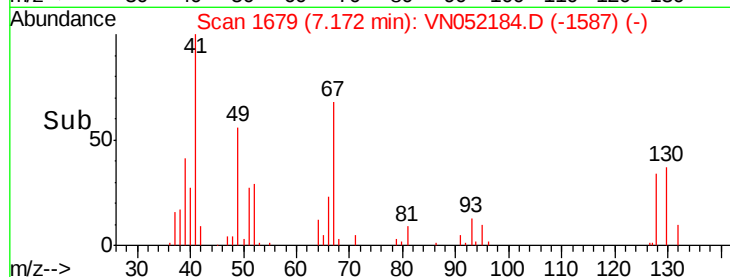
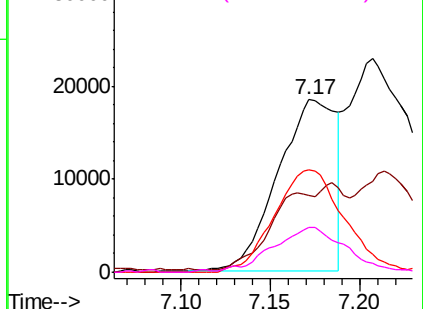
#41
Methacrylonitrile
Concen: 23.085 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :
VN1106WBSD02

Tgt Ion:	41	Resp:	41325
Ion	Ratio	Lower	Upper
41	100		
39	35.4	33.2	49.8
67	72.6	63.5	95.3
52	31.8	25.6	38.4

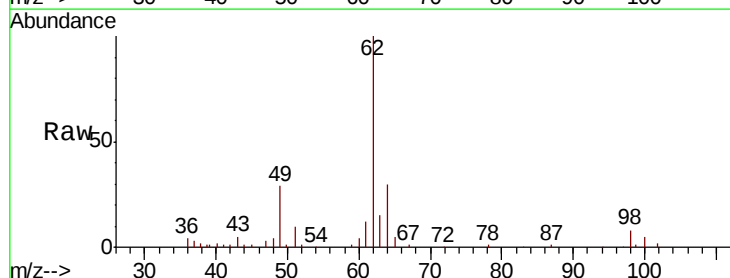


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

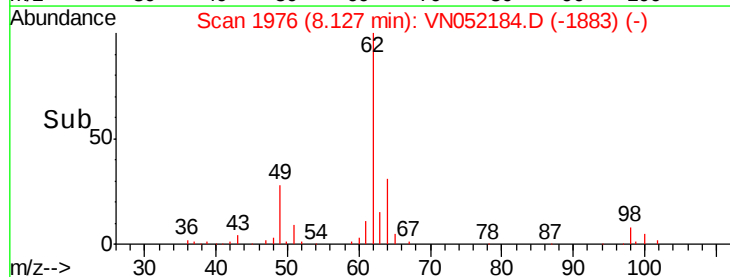
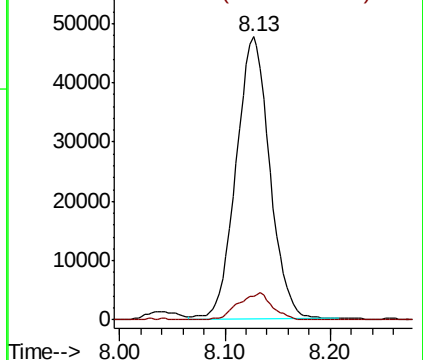


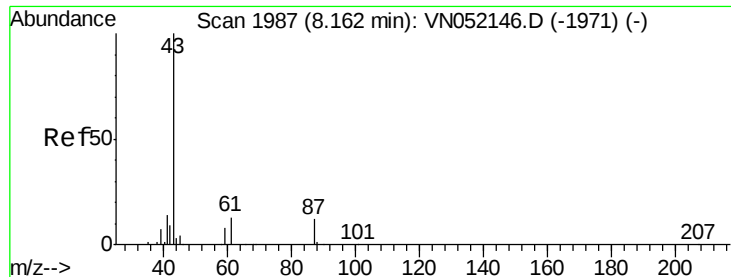
#42
1,2-Dichloroethane
Concen: 20.235 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion:	62	Resp:	105763
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	15.2



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

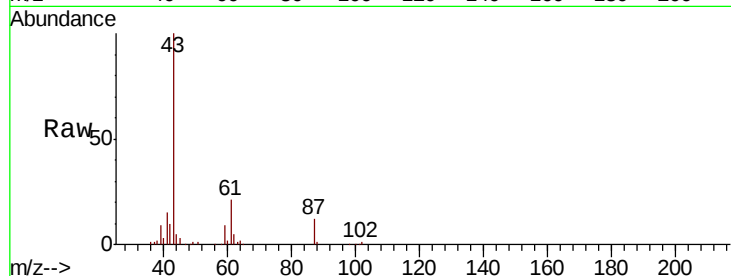




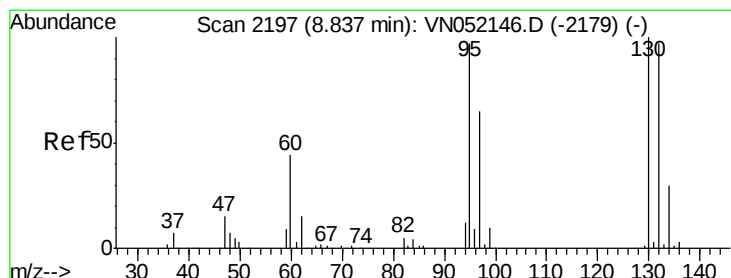
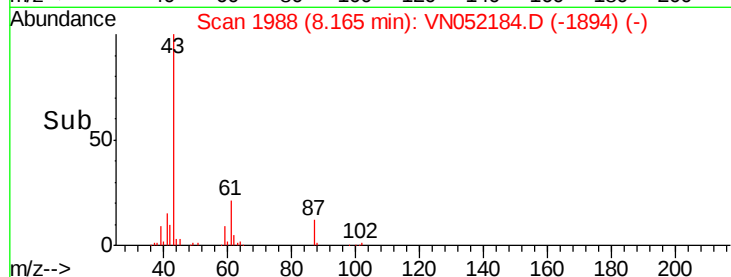
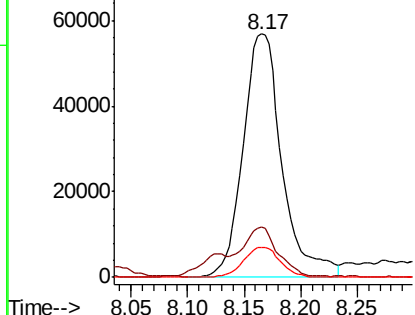
#43
Isopropyl Acetate
Concen: 21.616 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tgt Ion: 43 Resp: 136410
Ion Ratio Lower Upper
43 100
61 17.6 15.4 23.0
87 11.7 9.8 14.8

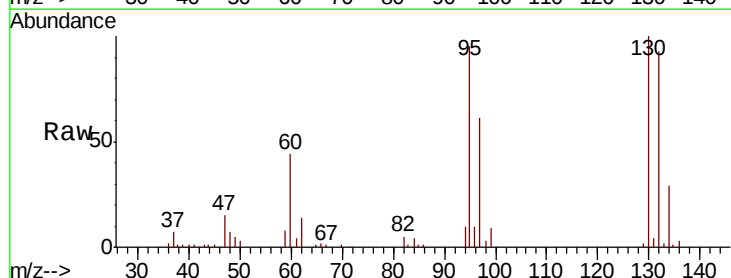


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

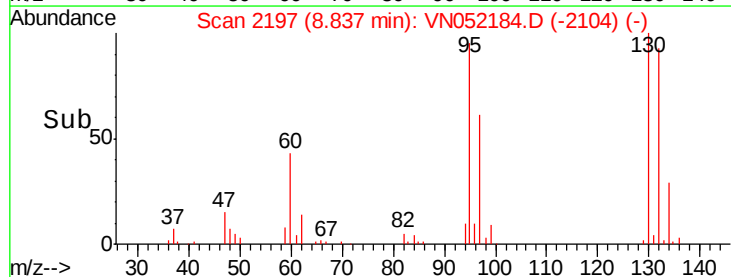
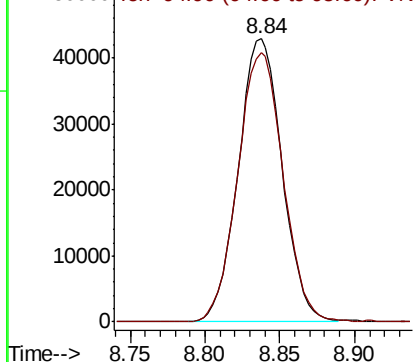


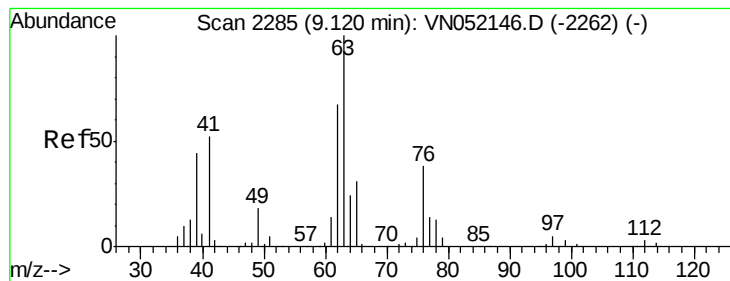
#44
Trichloroethene
Concen: 20.349 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 130 Resp: 87593
Ion Ratio Lower Upper
130 100
95 95.0 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.016 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

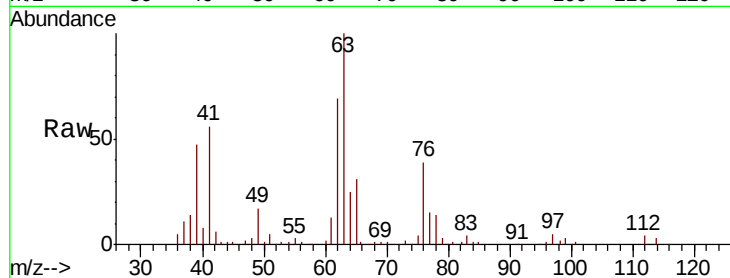
VN1106WBSD02

Tgt Ion: 63 Resp: 90494

Ion Ratio Lower Upper

63 100

65 31.4 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN052184.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN052184.D (-2262) (-)

9.12

40000

30000

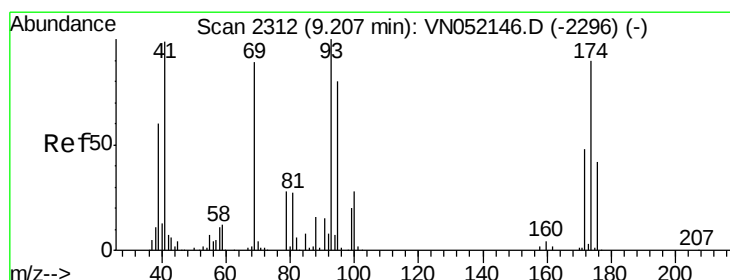
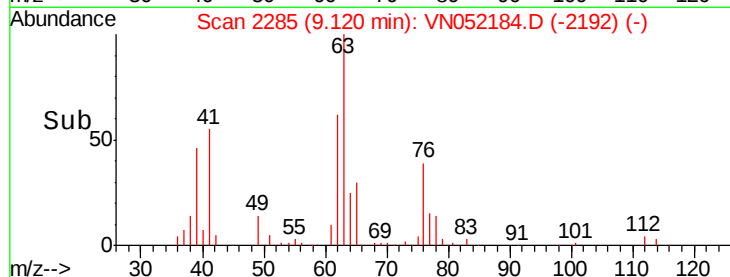
20000

10000

0

9.05 9.10 9.15 9.20

Time-->



#46

Dibromomethane

Concen: 20.695 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

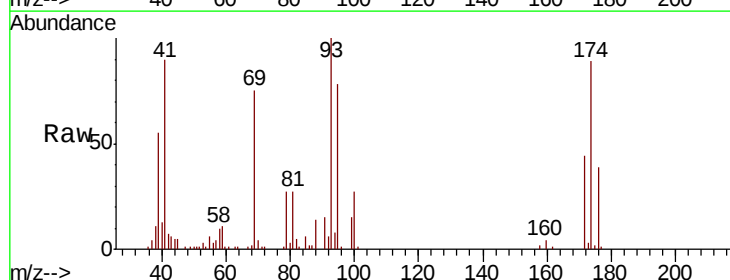
Tgt Ion: 93 Resp: 56672

Ion Ratio Lower Upper

93 100

95 80.3 67.2 100.8

174 88.4 59.7 89.5



Abundance Ion 92.80 (92.50 to 93.50): VN052184.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN052184.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN052184.D (-2296) (-)

9.21

30000

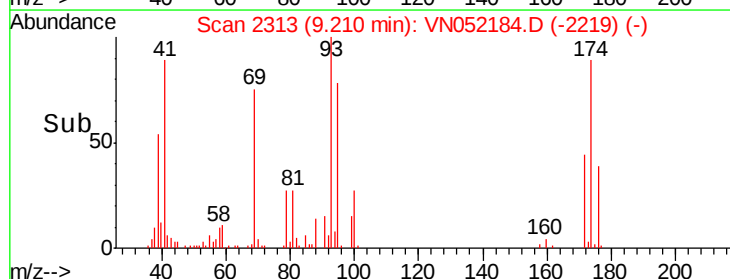
20000

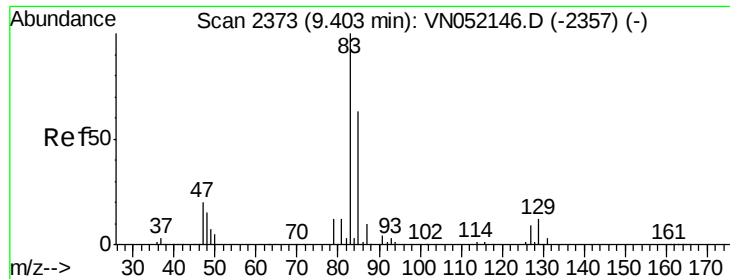
10000

0

9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 20.574 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

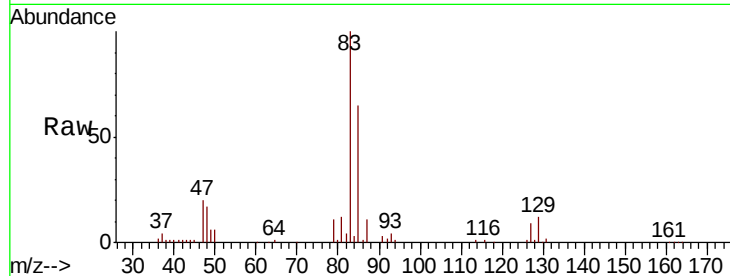
Tgt Ion: 83 Resp: 109875

Ion Ratio Lower Upper

83 100

85 64.5 49.4 74.2

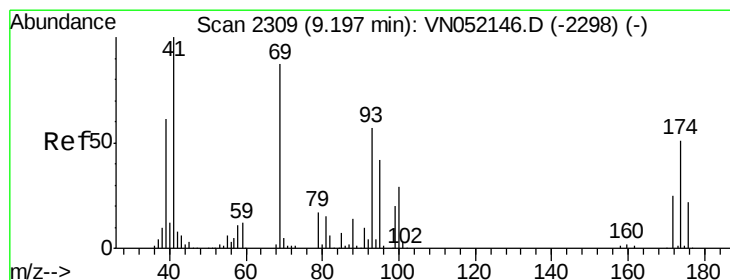
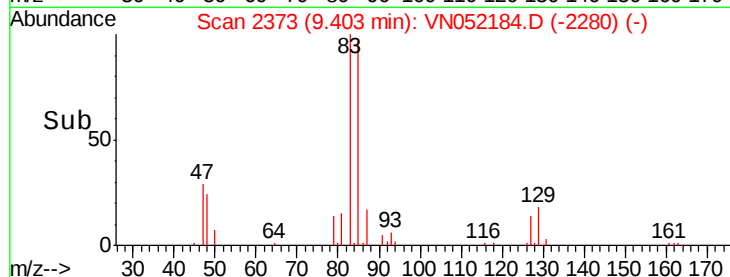
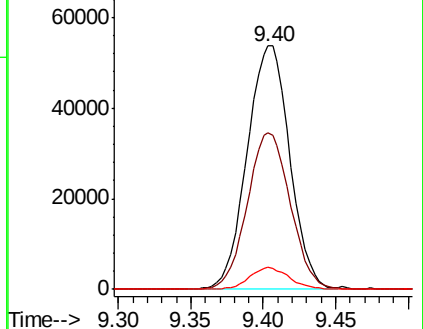
127 8.9 5.8 8.8#



Abundance Ion 82.90 (82.60 to 83.60): VN052184.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN052184.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN052184.D (-2357) (-)



#48

Methyl methacrylate

Concen: 21.860 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

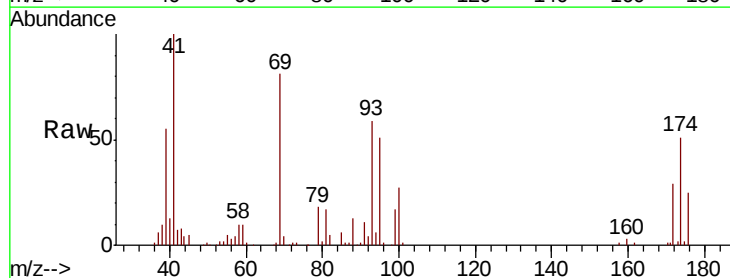
Tgt Ion: 41 Resp: 66396

Ion Ratio Lower Upper

41 100

69 84.1 67.1 100.7

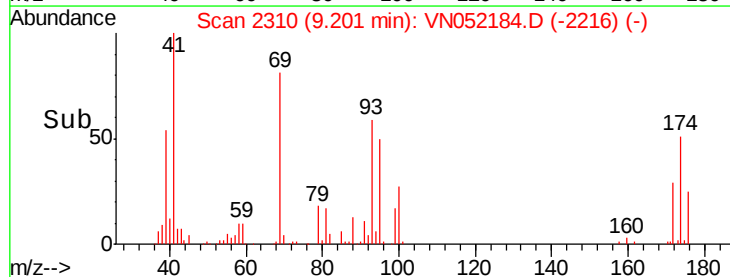
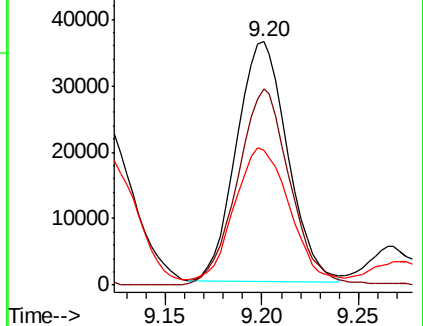
39 61.2 50.5 75.7

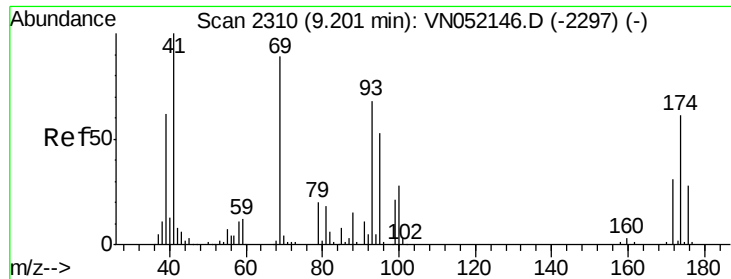


Abundance Ion 41.00 (40.70 to 41.70): VN052184.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052184.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052184.D (-2298) (-)

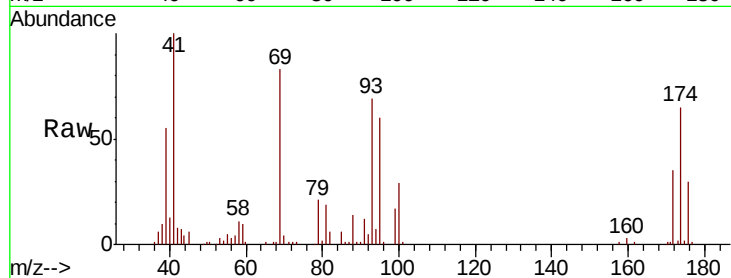




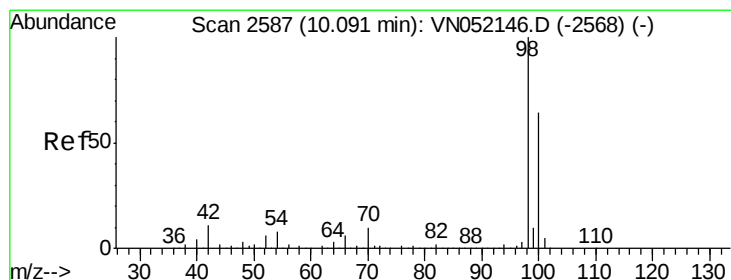
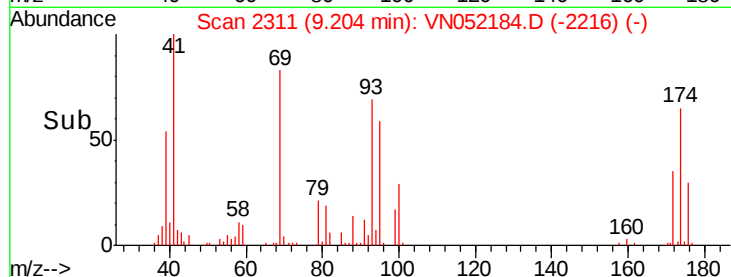
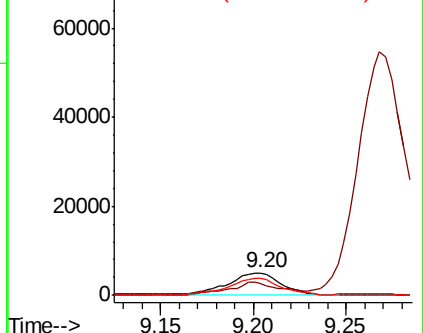
#49
 1,4-Dioxane
 Concen: 374.218 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tgt Ion: 88 Resp: 9934
 Ion Ratio Lower Upper
 88 100
 43 47.7 34.1 51.1
 58 75.4 62.8 94.2

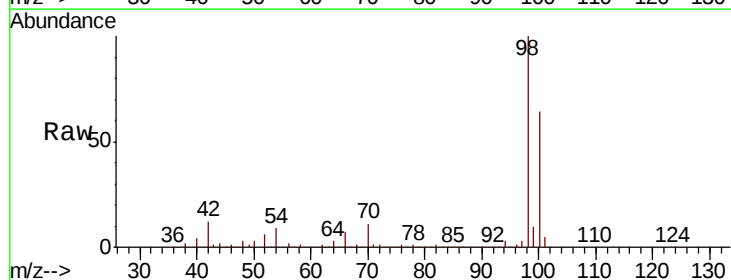


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

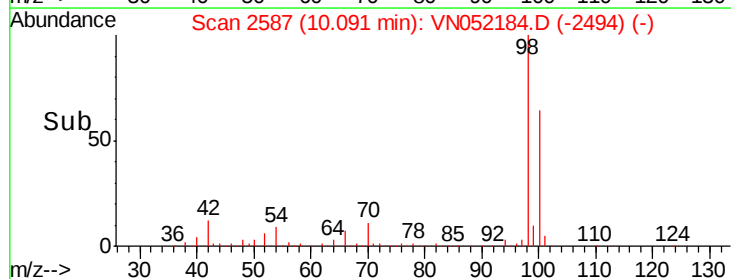
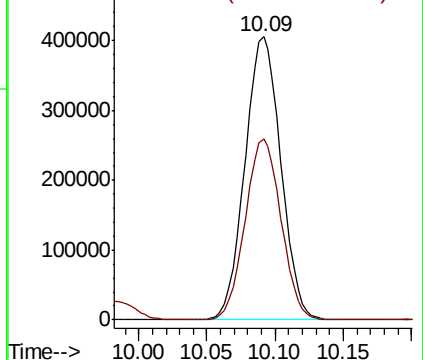


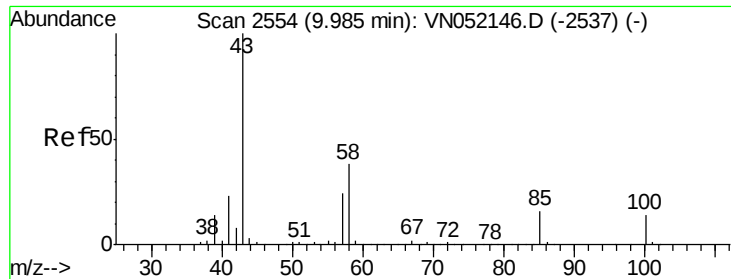
#50
 Toluene-d8
 Concen: 374.218 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 98 Resp: 742741
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.4 77.2



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

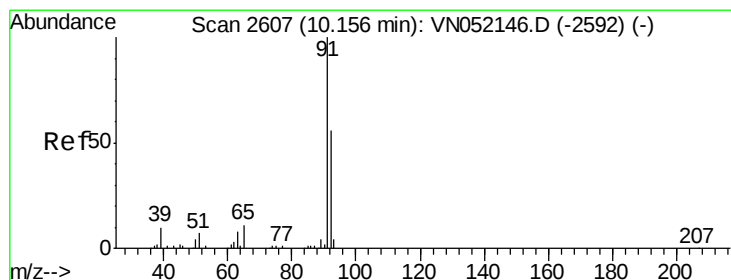
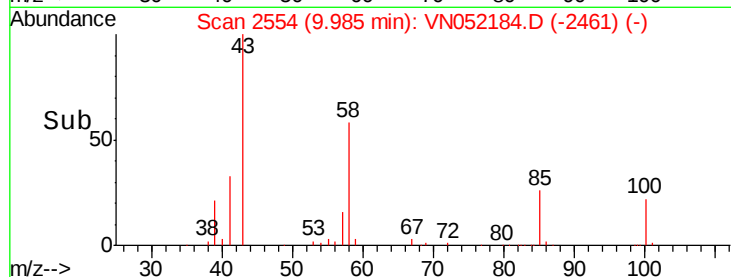
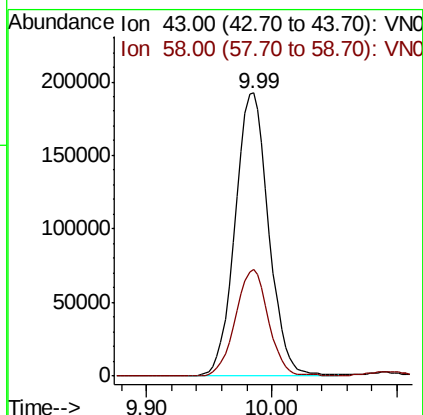
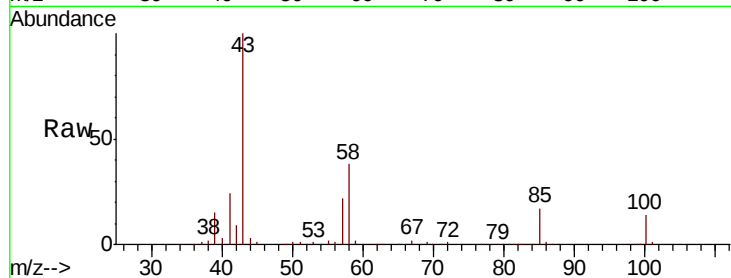




#51
4-Methyl-2-Pentanone
Concen: 106.688 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

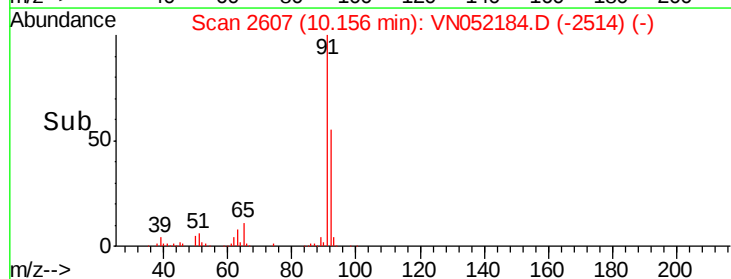
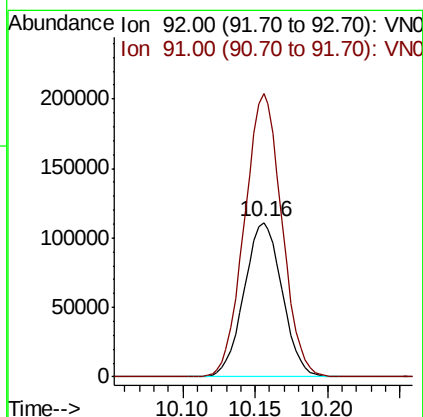
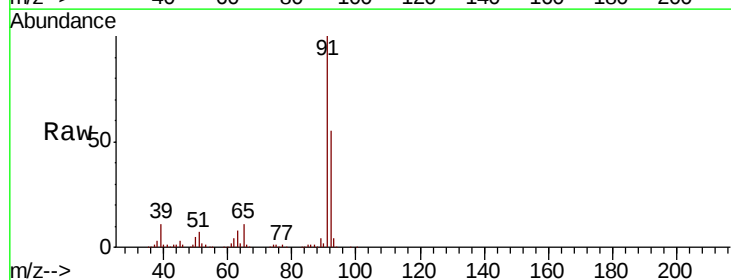
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

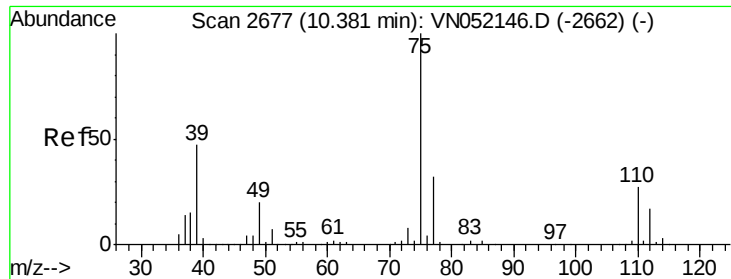
Tgt Ion: 43 Resp: 355693
Ion Ratio Lower Upper
43 100
58 37.3 29.7 44.5



#52
Toluene
Concen: 20.722 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 92 Resp: 203167
Ion Ratio Lower Upper
92 100
91 180.2 143.9 215.9





#53

t-1,3-Dichloropropene

Concen: 20.274 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

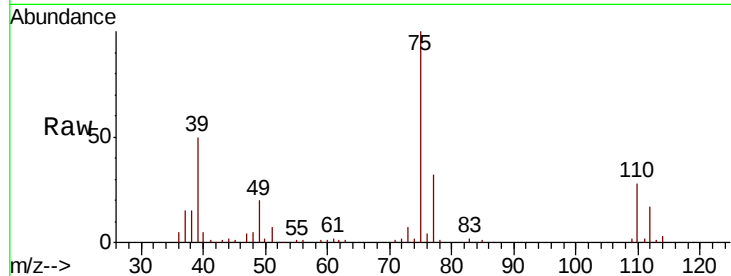
VN1106WBSD02

Tgt Ion: 75 Resp: 106219

Ion Ratio Lower Upper

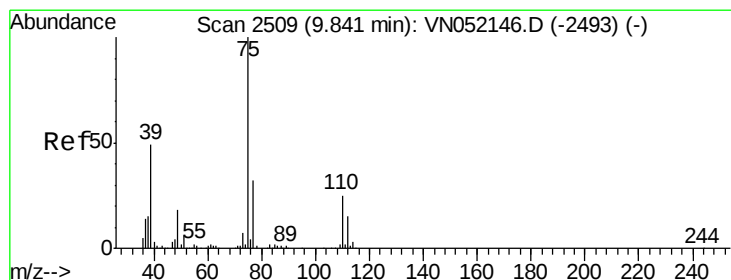
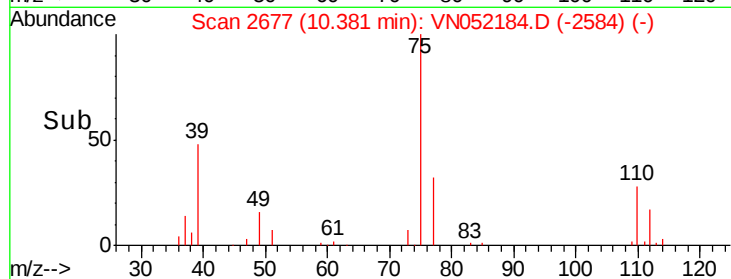
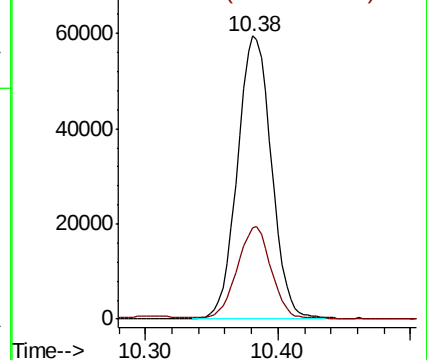
75 100

77 32.4 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.509 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

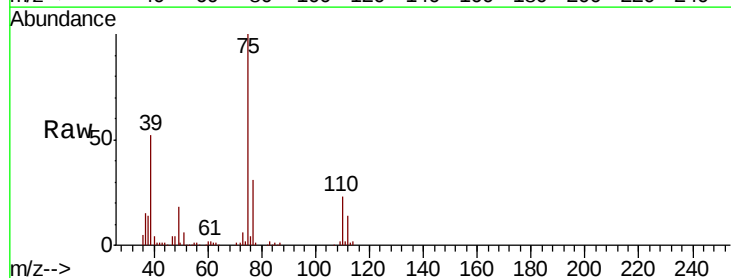
Tgt Ion: 75 Resp: 125733

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4

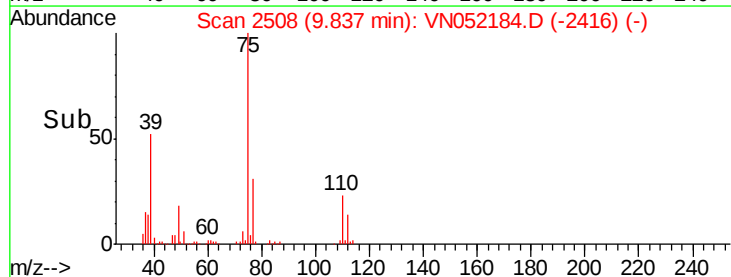
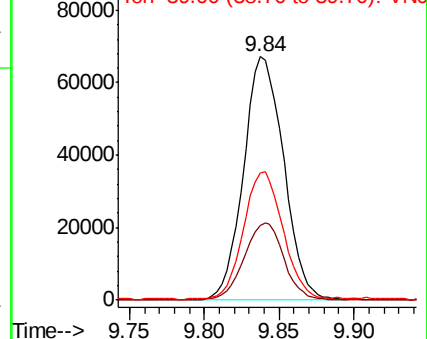
39 51.5 42.3 63.5

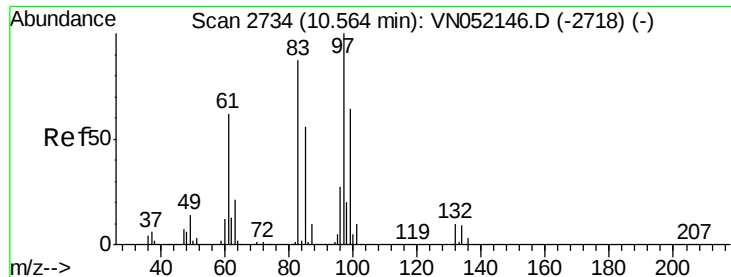


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.541 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tgt Ion: 97 Resp: 74463

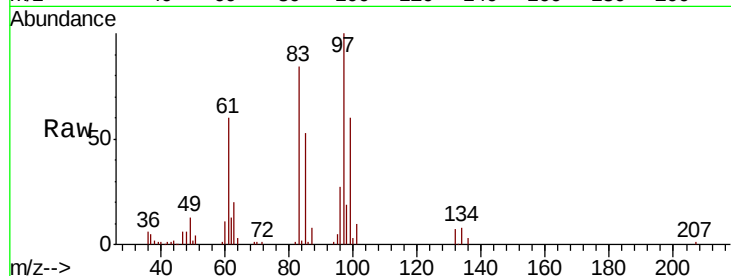
Ion Ratio Lower Upper

97 100

83 84.2 73.8 110.8

85 53.0 48.4 72.6

99 59.5 48.6 72.8

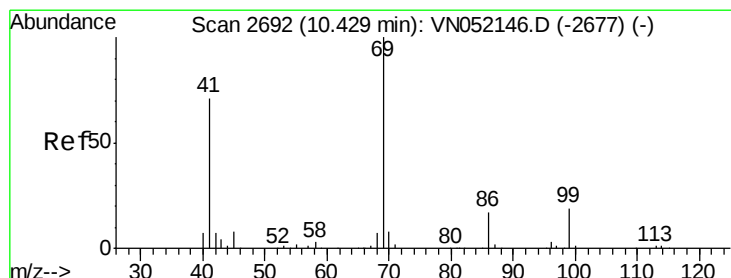
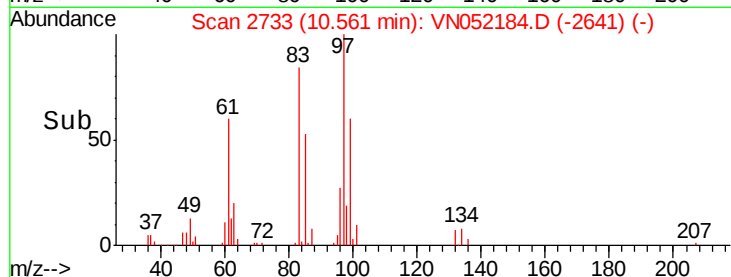
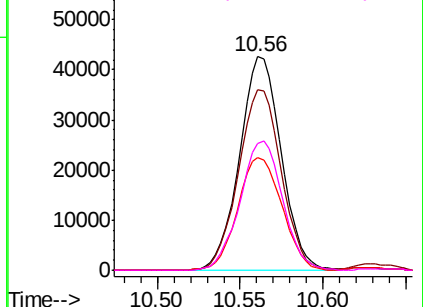


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.990 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

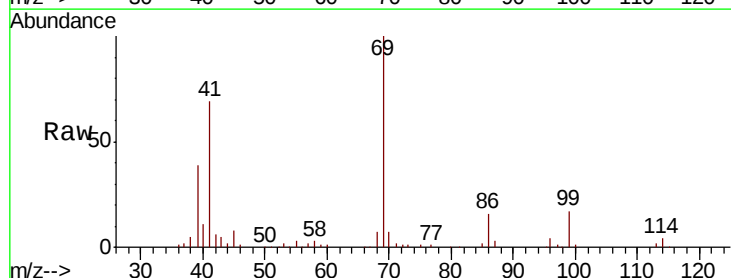
Tgt Ion: 69 Resp: 94577

Ion Ratio Lower Upper

69 100

41 66.5 55.5 83.3

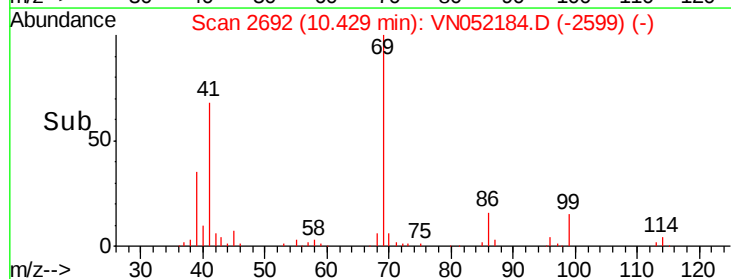
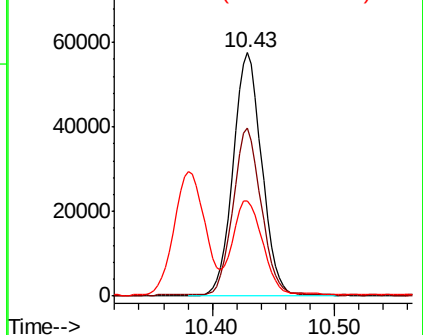
39 39.5 33.0 49.4

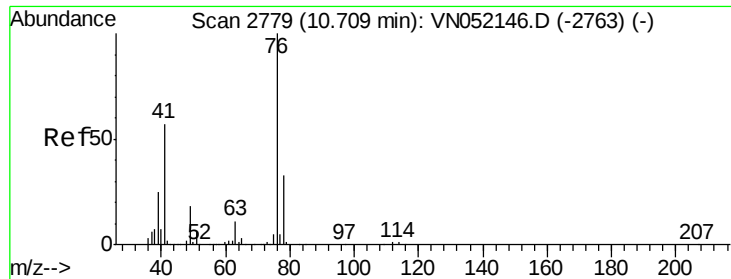


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

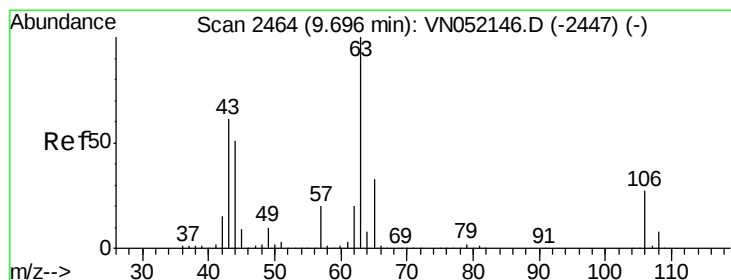
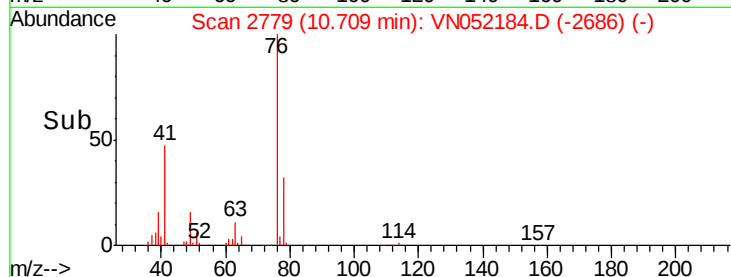
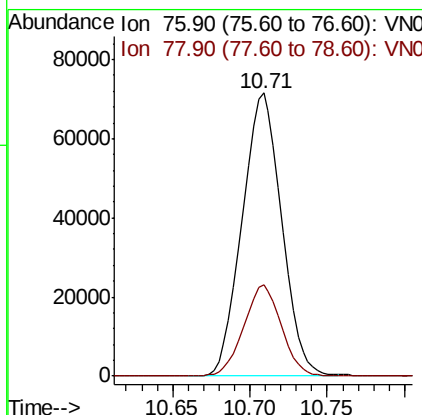
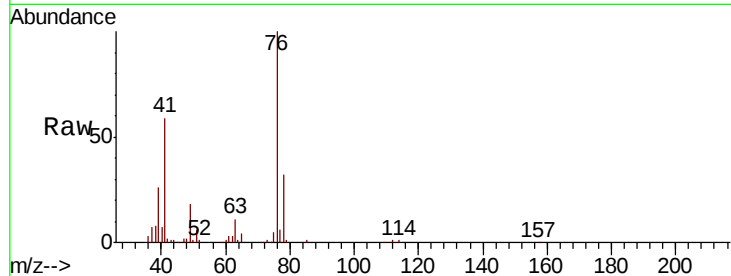




#57
 1,3-Dichloropropane
 Concen: 20.935 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

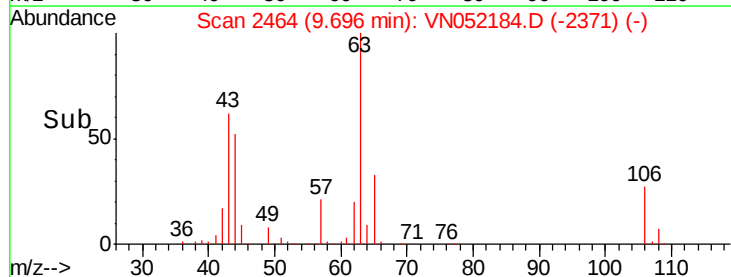
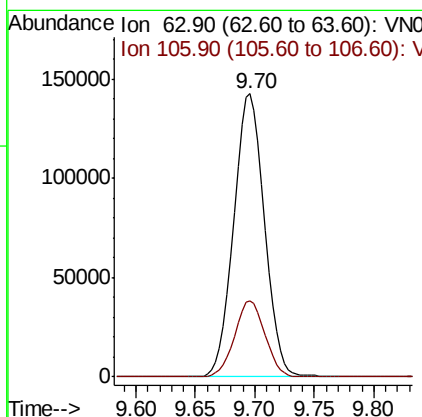
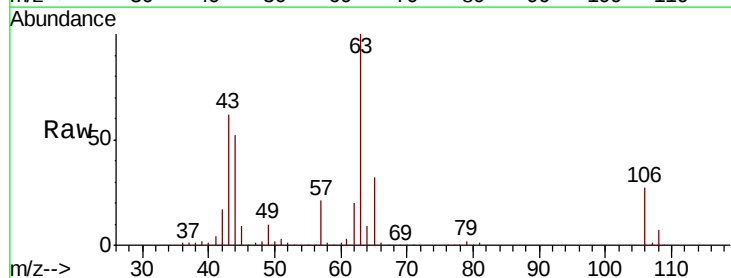
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

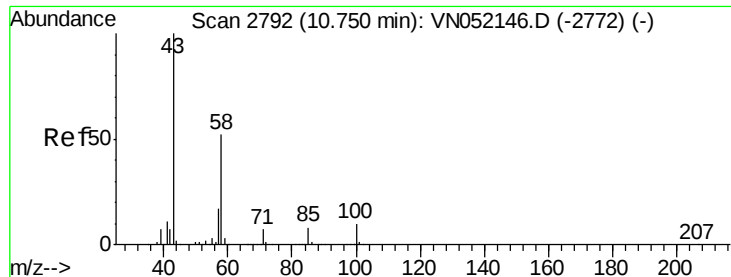
Tgt Ion: 76 Resp: 127487
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.351 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 63 Resp: 255463
 Ion Ratio Lower Upper
 63 100
 106 26.6 19.4 29.2

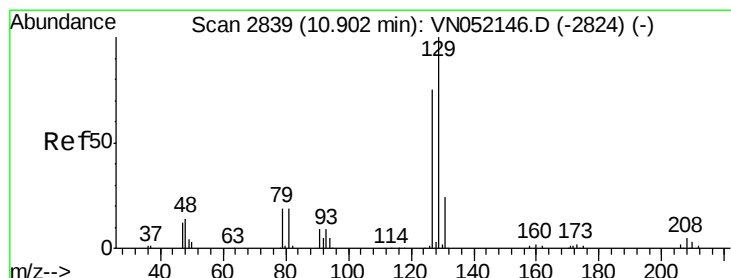
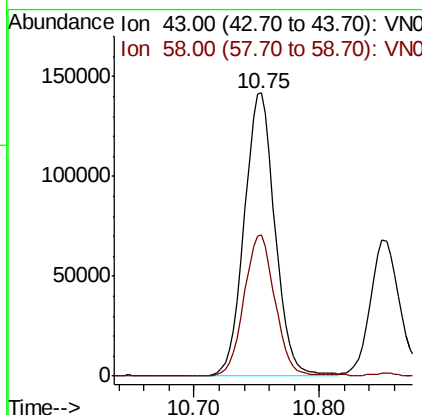
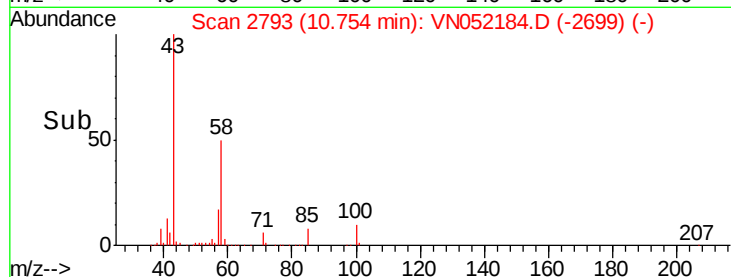
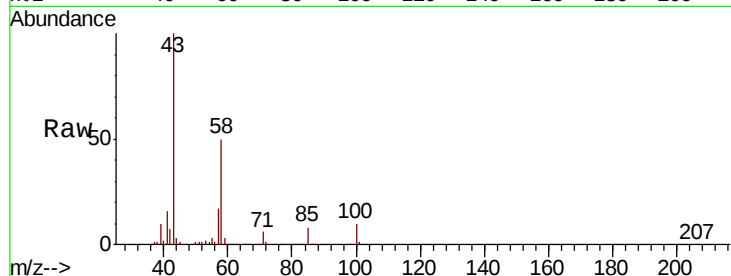




#59
2-Hexanone
Concen: 103.895 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

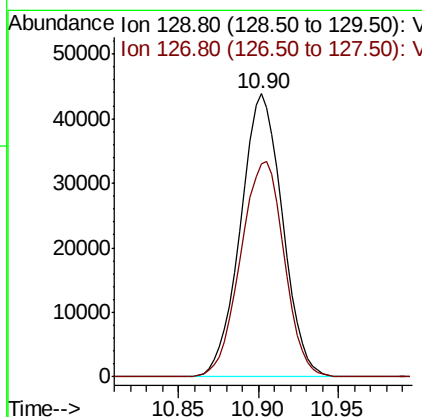
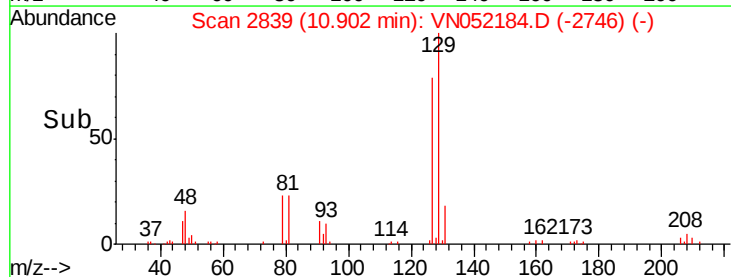
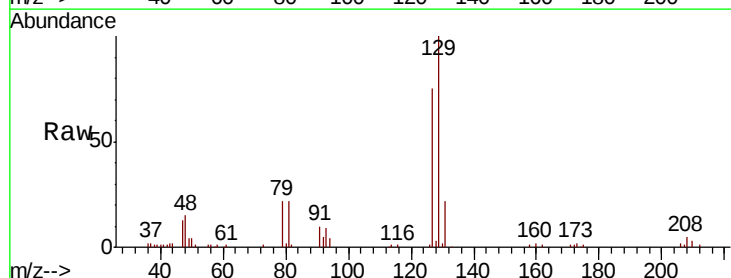
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

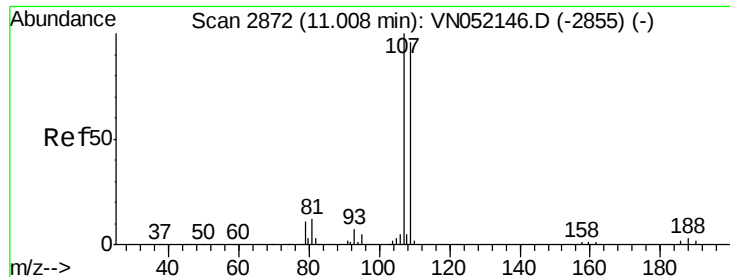
Tgt Ion: 43 Resp: 241125
Ion Ratio Lower Upper
43 100
58 50.5 25.2 75.6



#60
Dibromochloromethane
Concen: 19.971 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 129 Resp: 78507
Ion Ratio Lower Upper
129 100
127 79.0 38.5 115.5

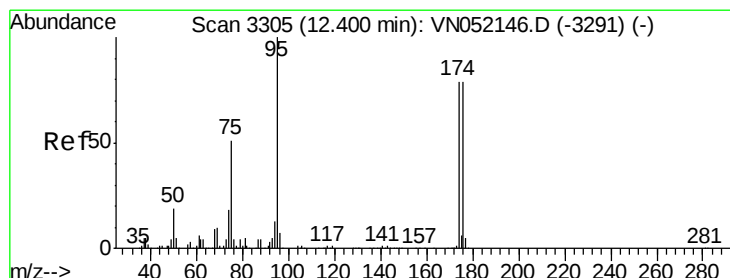
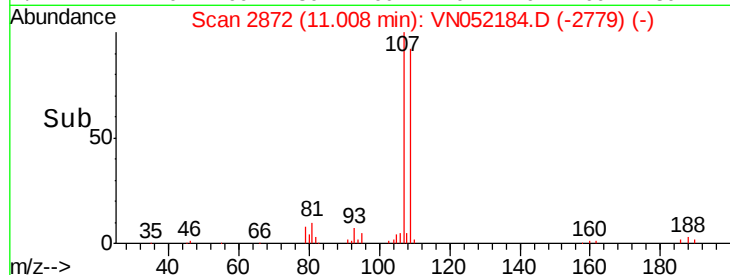
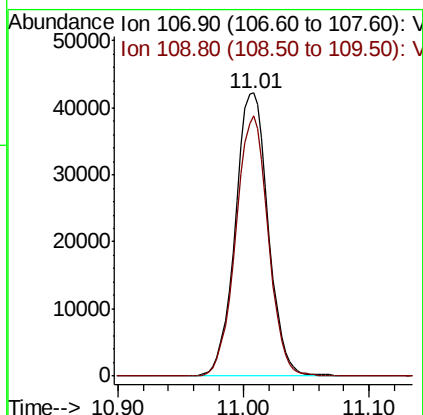
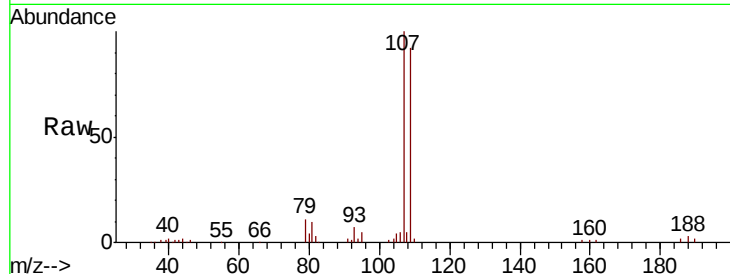




#61
 1,2-Dibromoethane
 Concen: 21.934 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

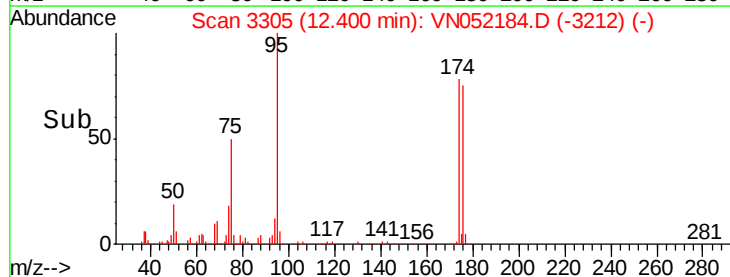
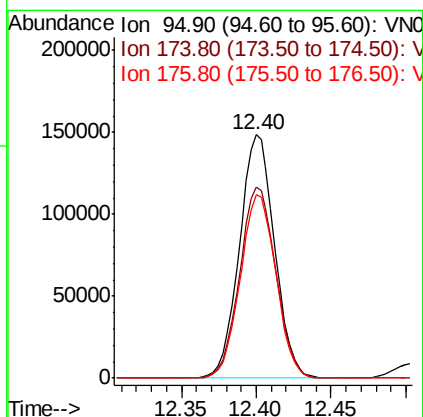
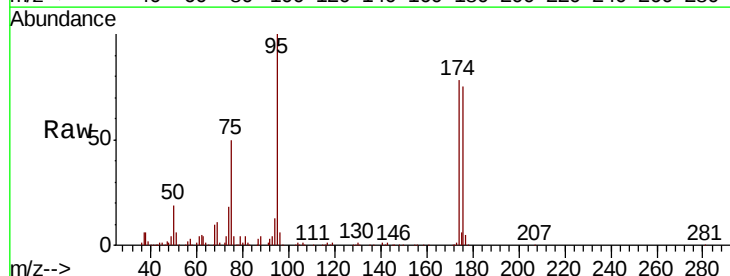
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

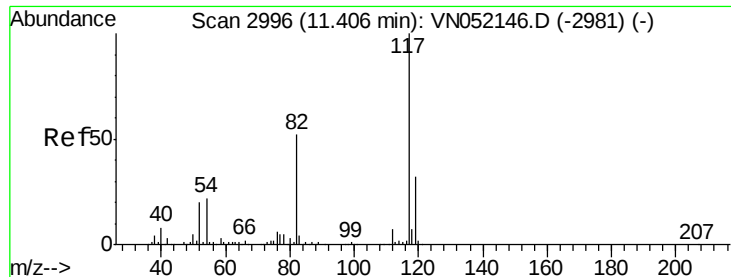
Tgt Ion: 107 Resp: 76965
 Ion Ratio Lower Upper
 107 100
 109 90.5 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 21.934 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 95 Resp: 241787
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 131.8
 176 76.8 0.0 126.0

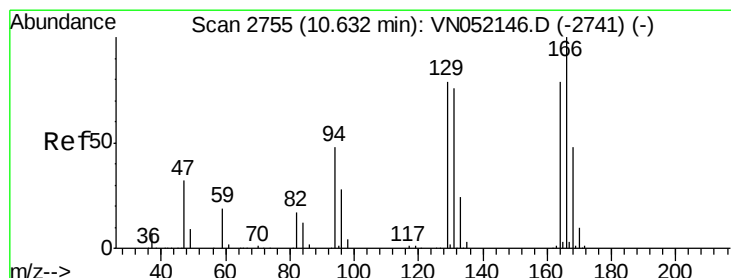
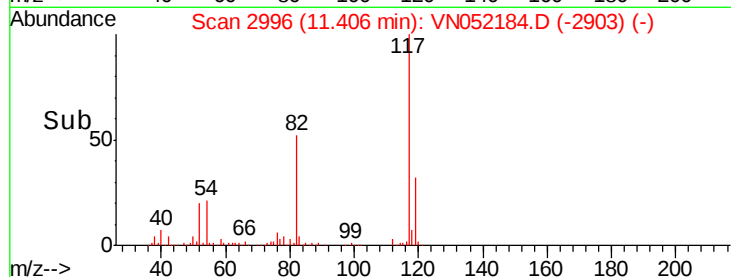
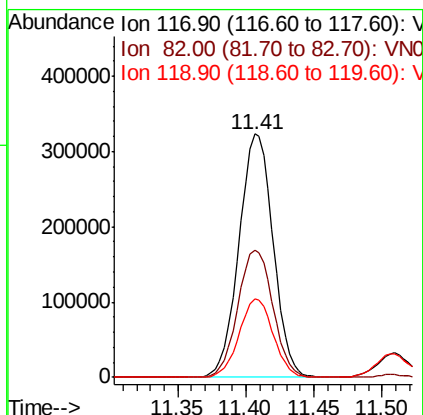
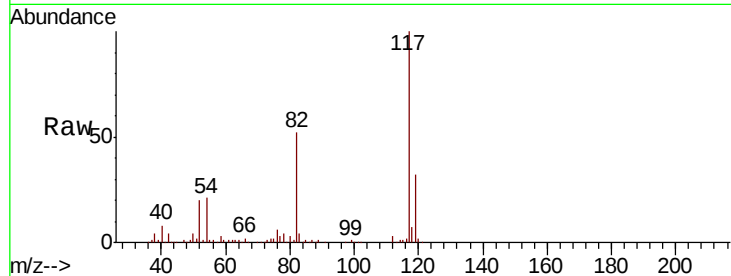




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

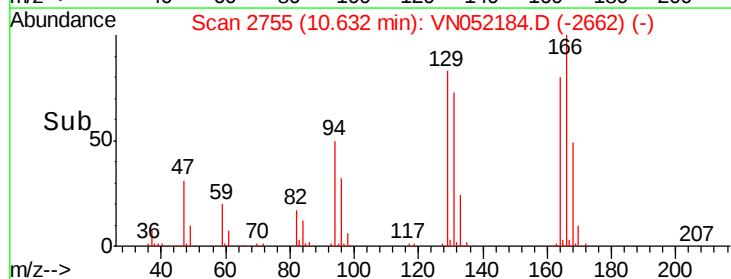
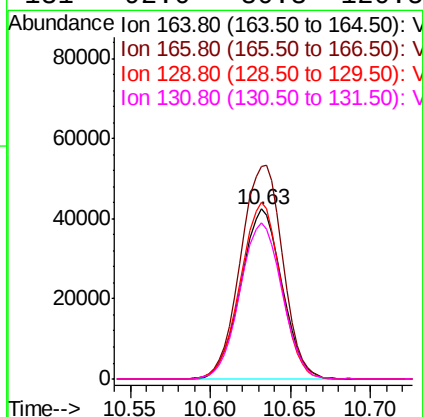
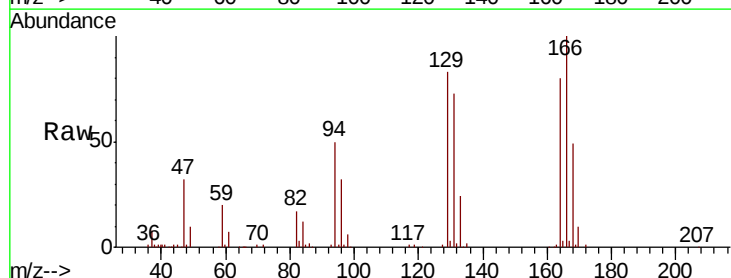
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

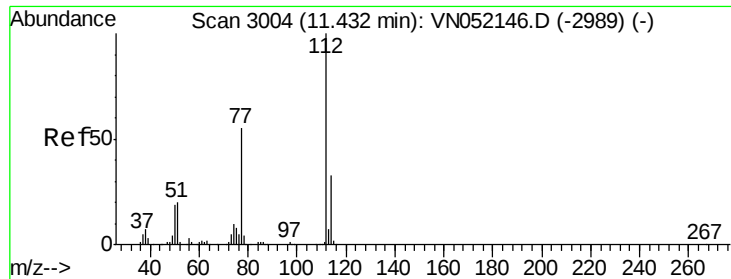
Tgt Ion:117 Resp: 562246
Ion Ratio Lower Upper
117 100
82 52.4 49.9 74.9
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 20.580 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion:164 Resp: 74963
Ion Ratio Lower Upper
164 100
166 125.2 105.4 158.0
129 104.2 86.1 129.1
131 92.0 80.3 120.5





#65

Chlorobenzene

Concen: 19.995 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

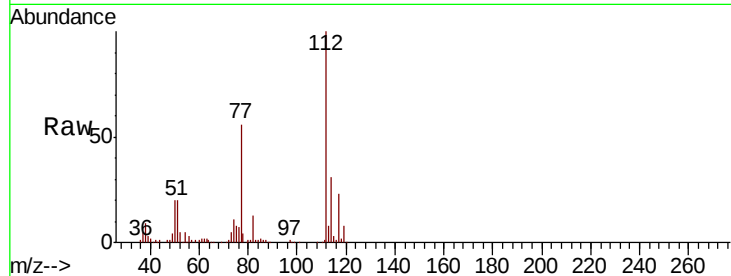
VN1106WBSD02

Tgt Ion:112 Resp: 229139

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

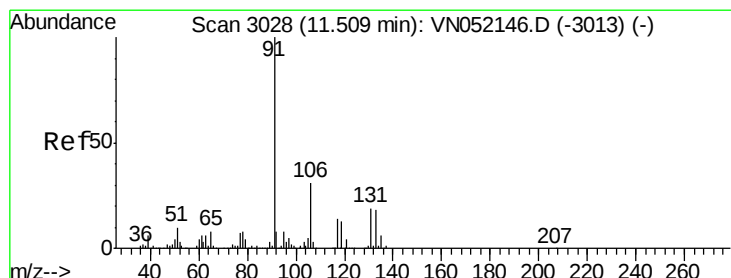
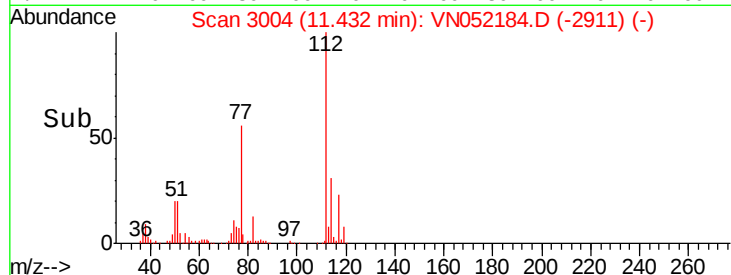
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.079 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

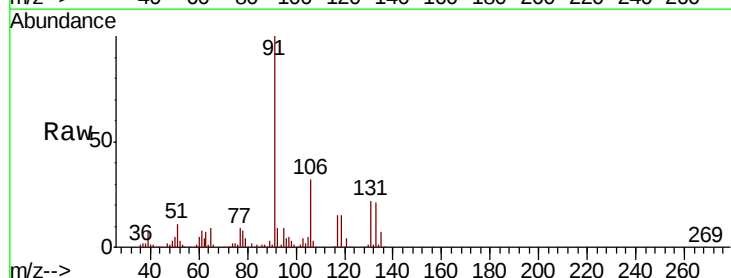
Tgt Ion:131 Resp: 81123

Ion Ratio Lower Upper

131 100

133 93.4 47.6 142.9

119 65.7 34.4 103.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

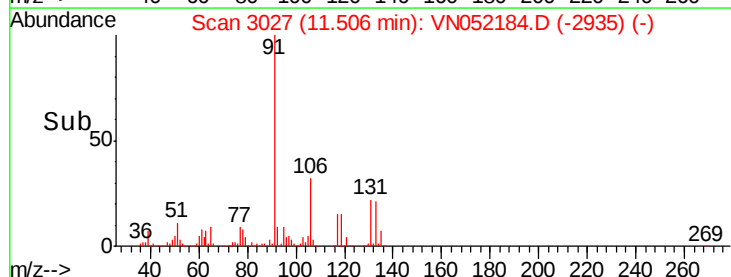
60000

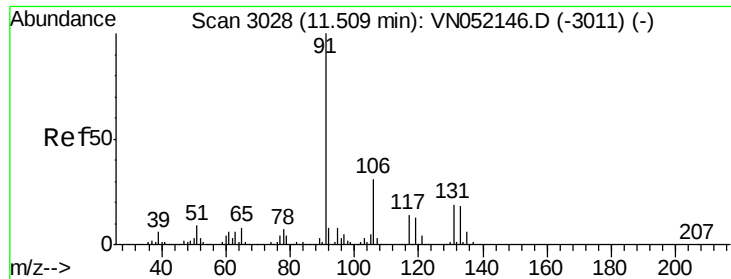
40000

20000

0

Time-->

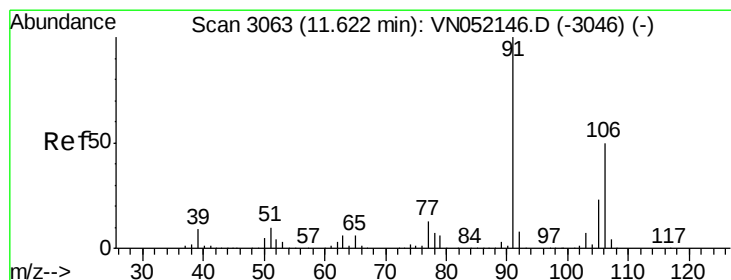
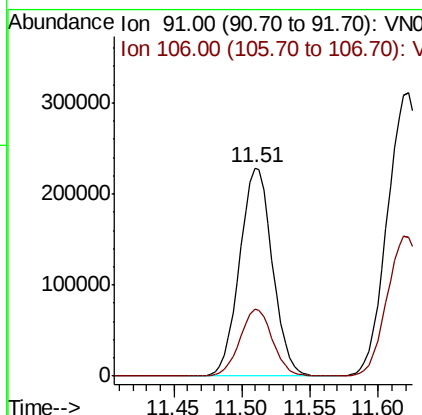
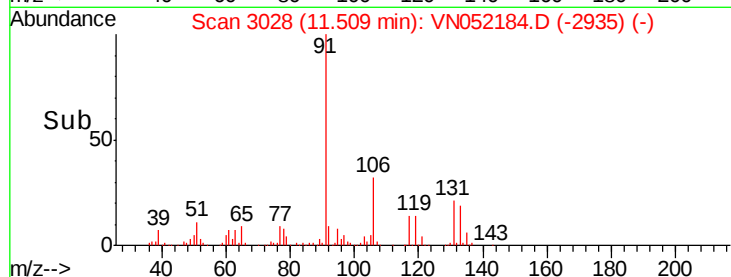
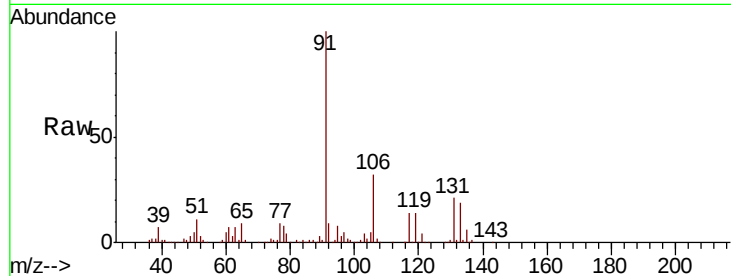




#67
Ethyl Benzene
Concen: 20.006 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

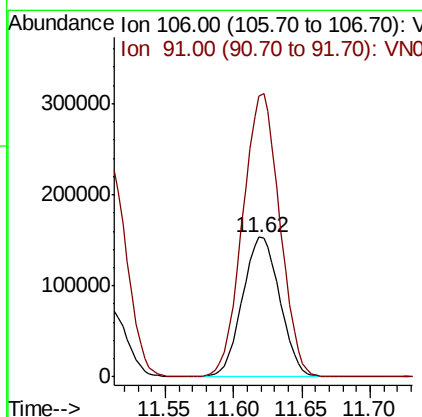
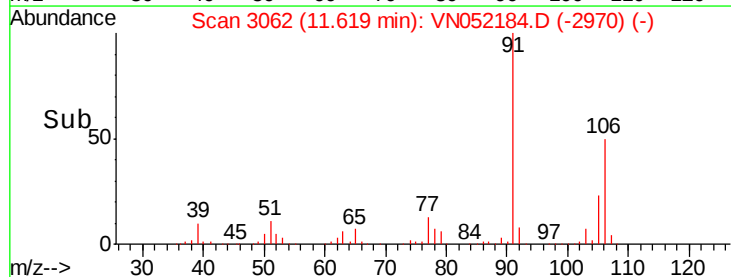
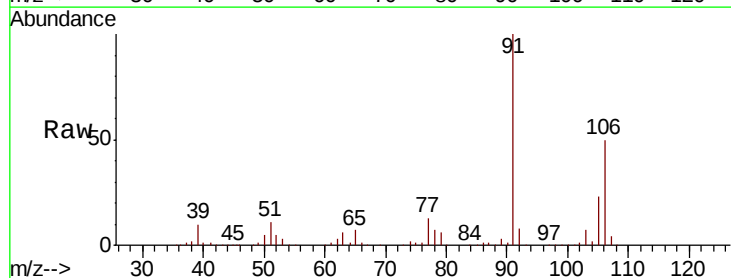
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

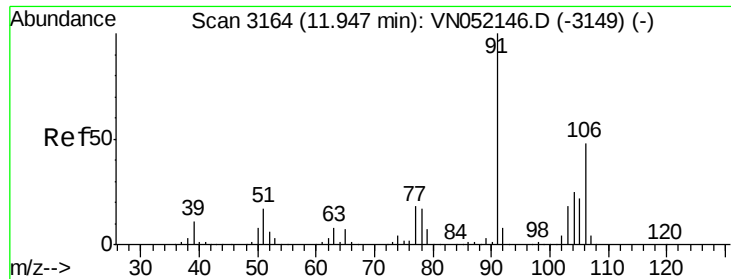
Tgt Ion: 91 Resp: 380799
Ion Ratio Lower Upper
91 100
106 32.4 24.1 36.1



#68
m/p-Xylenes
Concen: 39.835 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 106 Resp: 292570
Ion Ratio Lower Upper
106 100
91 200.6 168.7 253.1

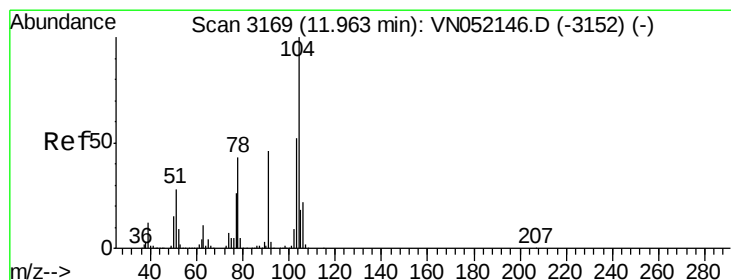
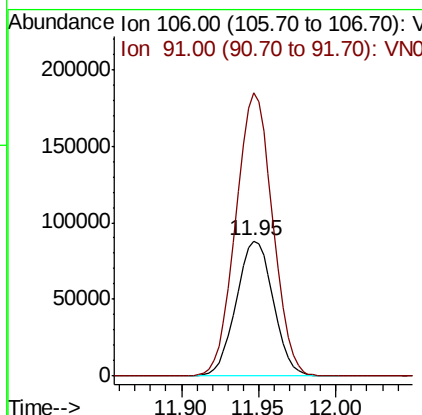
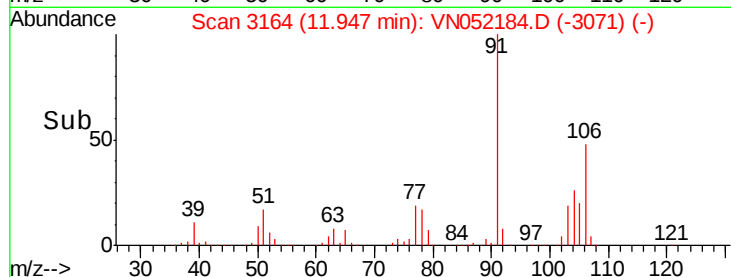
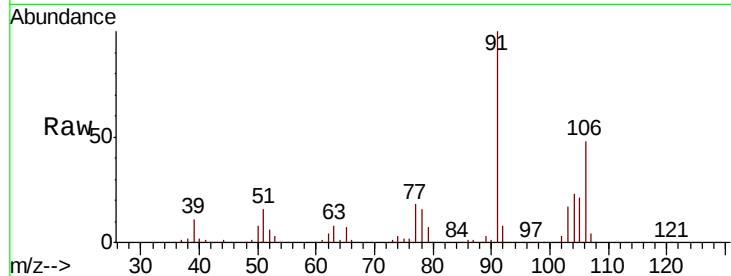




#69
o-Xylene
Concen: 20.649 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

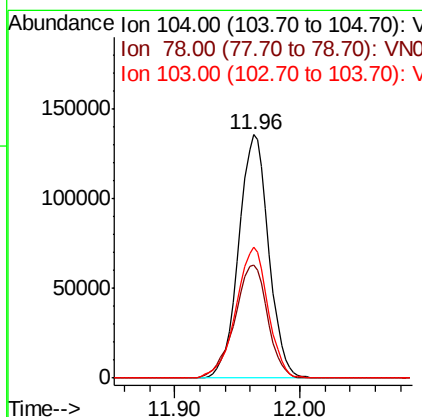
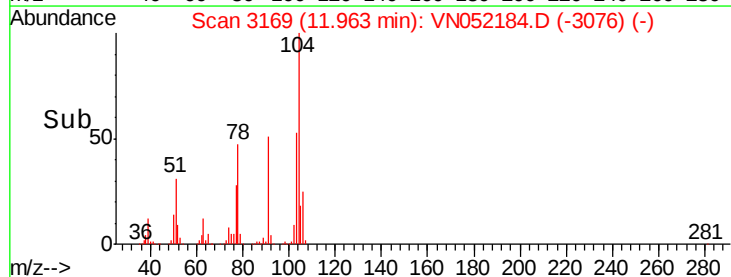
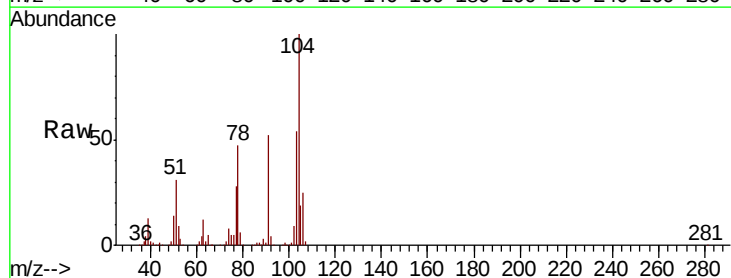
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

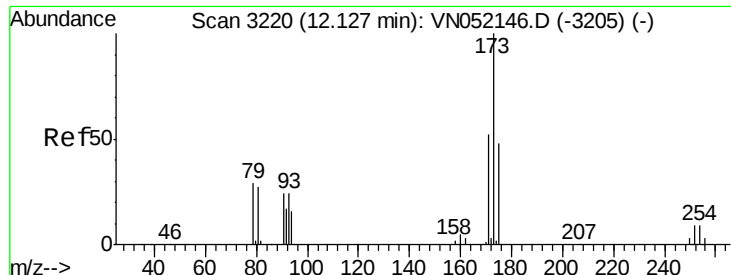
Tgt Ion:106 Resp: 147075
Ion Ratio Lower Upper
106 100
91 208.2 109.6 328.6



#70
Styrene
Concen: 19.947 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion:104 Resp: 224913
Ion Ratio Lower Upper
104 100
78 51.3 43.0 64.6
103 57.4 45.1 67.7

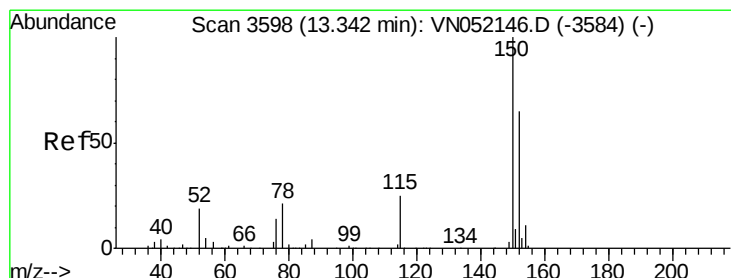
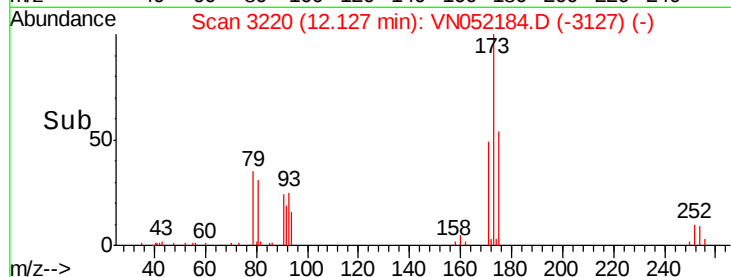
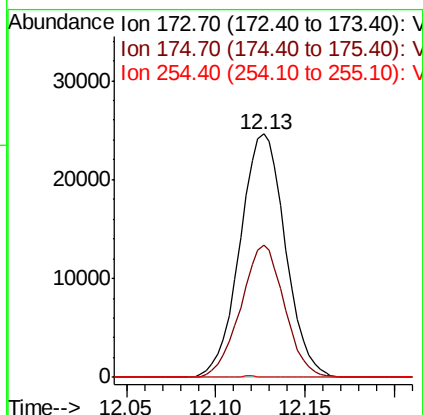
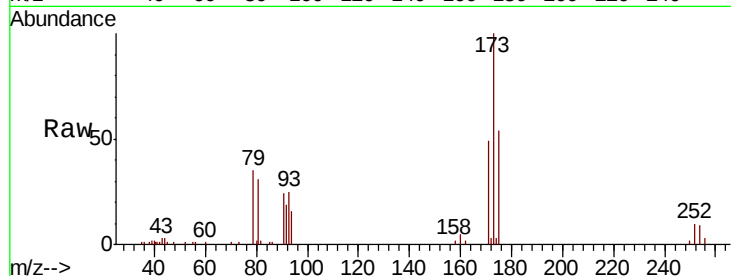




#71
Bromoform
Concen: 18.863 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

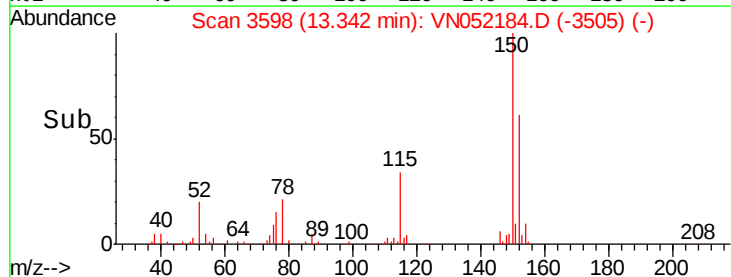
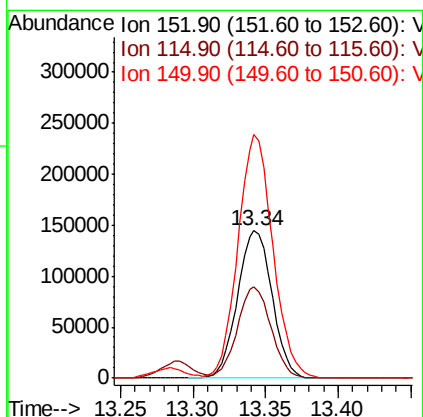
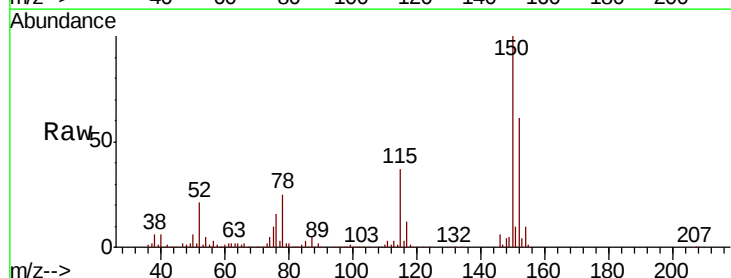
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

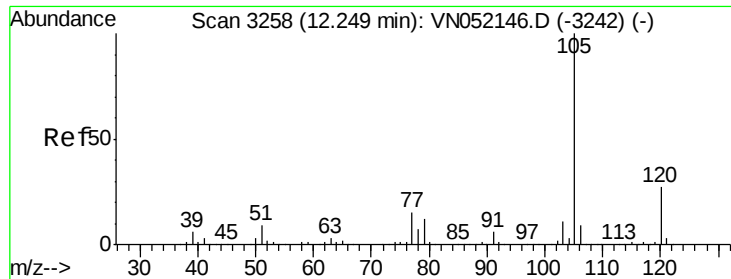
Tgt Ion:173 Resp: 43676
Ion Ratio Lower Upper
173 100
175 52.2 23.9 71.7
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion:152 Resp: 239919
Ion Ratio Lower Upper
152 100
115 59.8 31.6 95.0
150 166.5 0.0 345.0





#73

Isopropylbenzene

Concen: 20.992 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

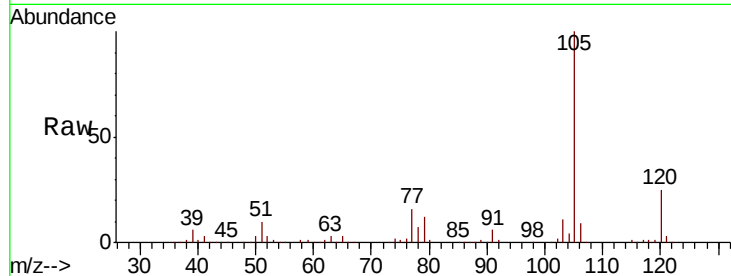
VN1106WBSD02

Tgt Ion:105 Resp: 380798

Ion Ratio Lower Upper

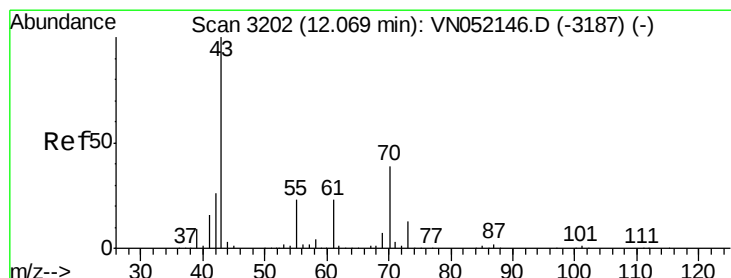
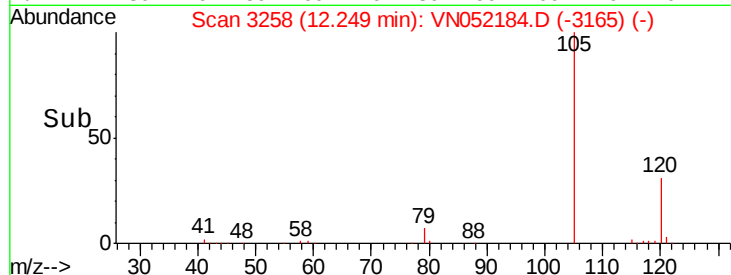
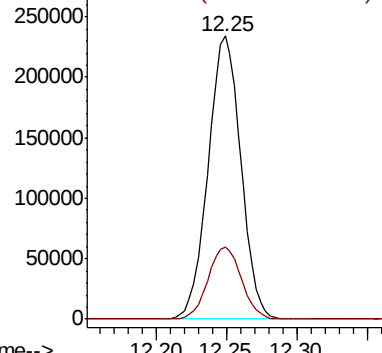
105 100

120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.984 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Tgt Ion: 43 Resp: 115018

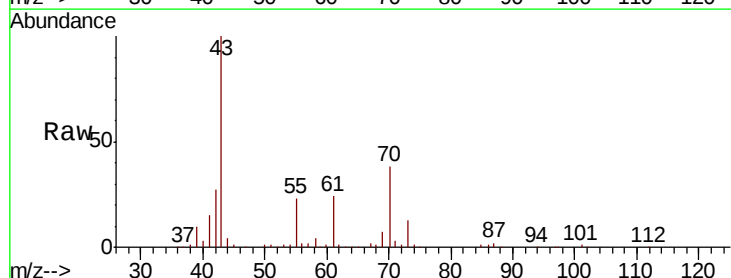
Ion Ratio Lower Upper

43 100

70 38.9 31.9 47.9

55 23.9 18.4 27.6

61 23.4 18.2 27.4

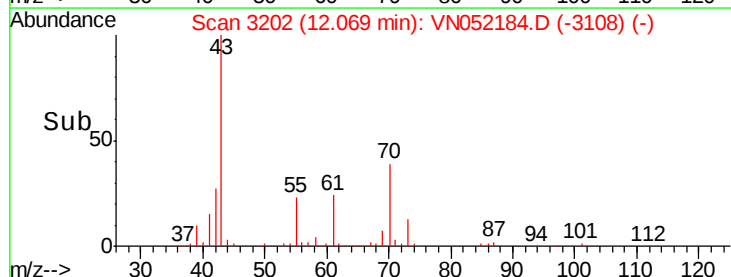
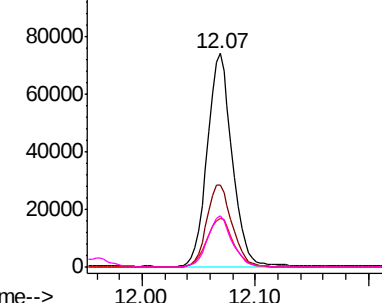


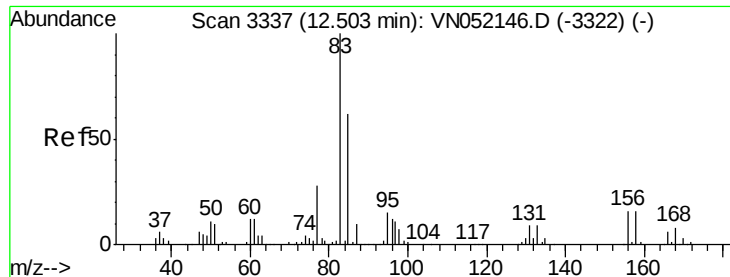
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.886 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

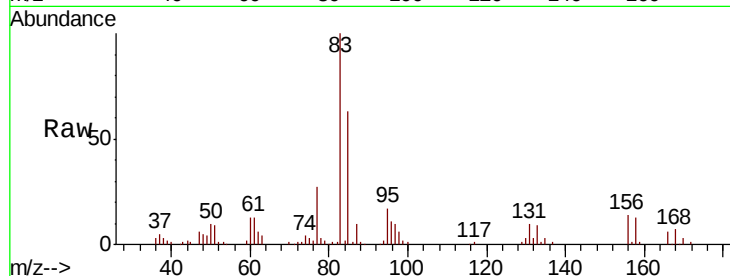
Tgt Ion: 83 Resp: 86905

Ion Ratio Lower Upper

83 100

131 10.5 4.5 13.4

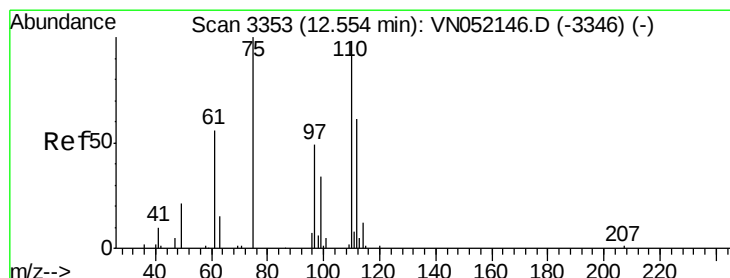
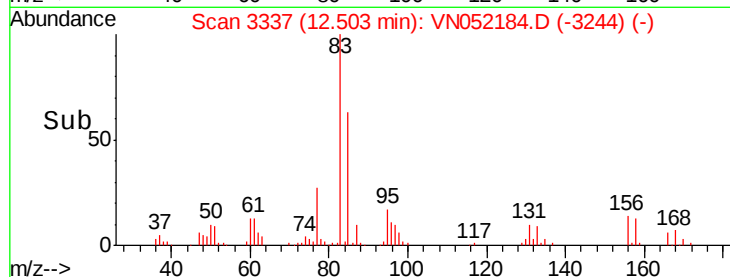
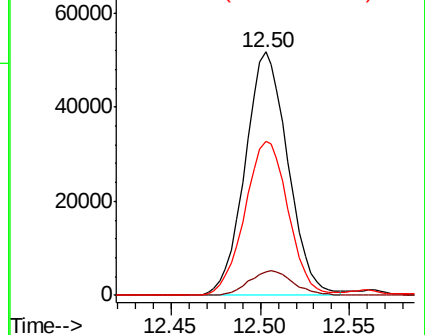
85 64.2 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VN052184.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052184.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052184.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 33.970 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052184.D

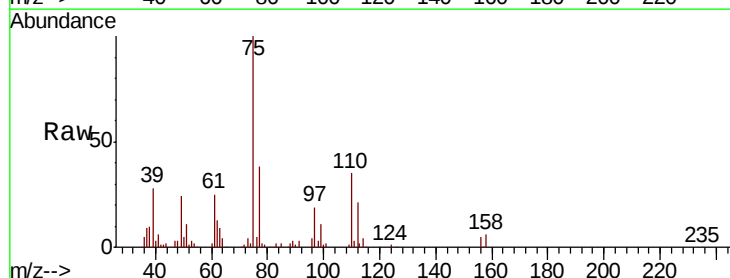
Acq: 6 Nov 2018 11:41

Tgt Ion: 75 Resp: 107723

Ion Ratio Lower Upper

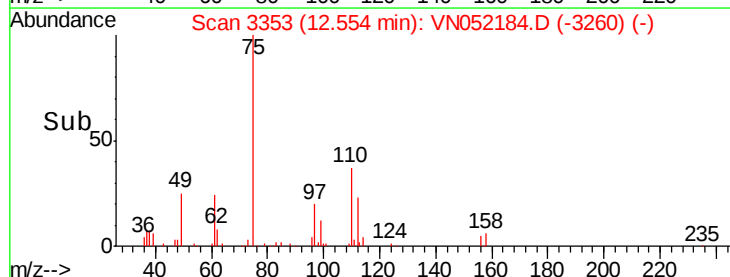
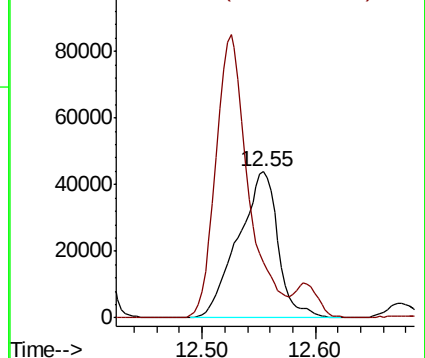
75 100

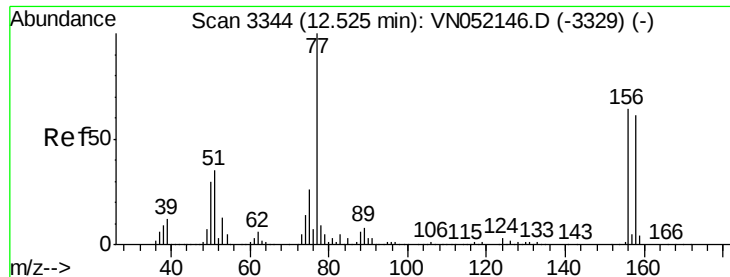
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052184.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN052184.D (-3346) (-)





#77

Bromobenzene

Concen: 20.758 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

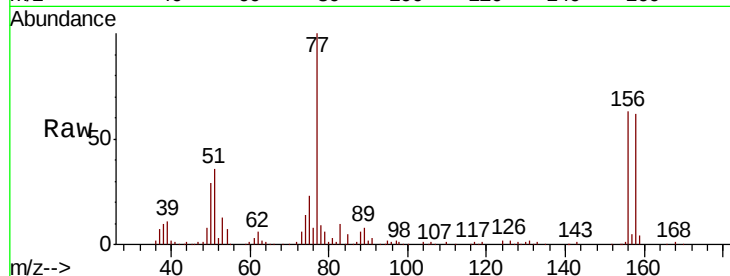
Tgt Ion:156 Resp: 89793

Ion Ratio Lower Upper

156 100

77 190.0 119.6 358.6

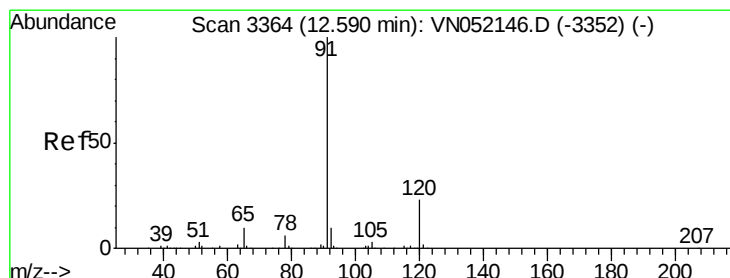
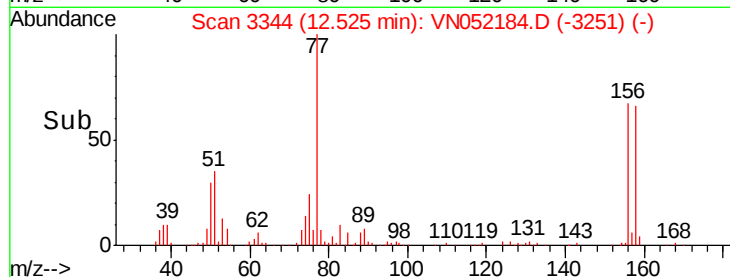
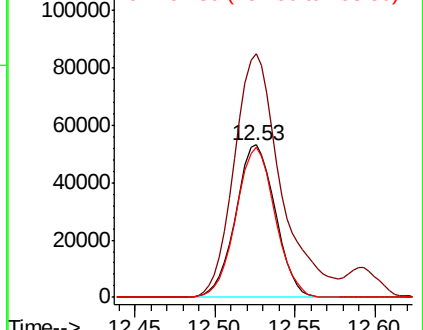
158 97.1 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.360 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052184.D

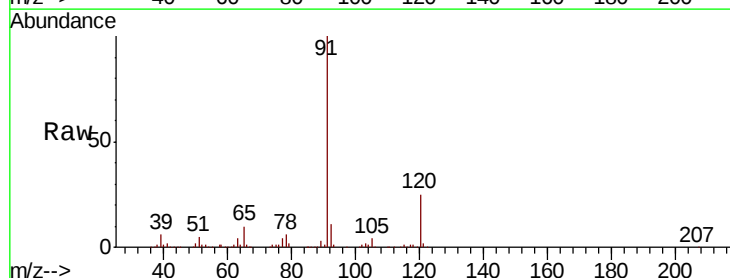
Acq: 6 Nov 2018 11:41

Tgt Ion: 91 Resp: 422091

Ion Ratio Lower Upper

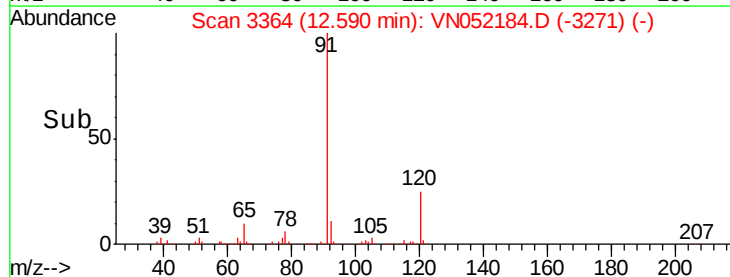
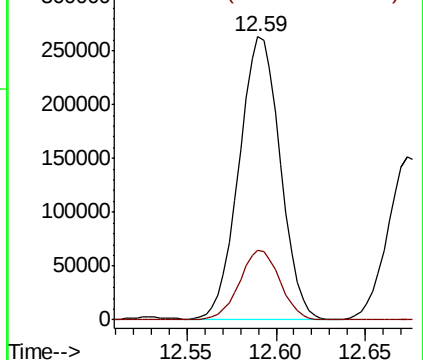
91 100

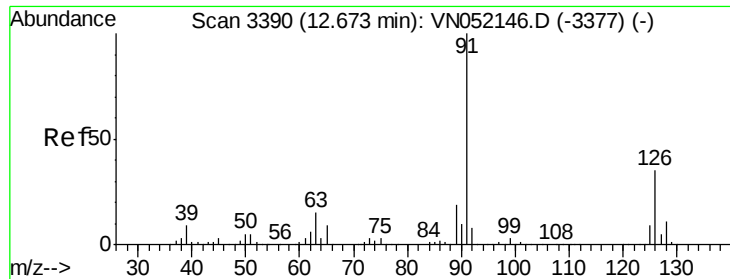
120 24.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

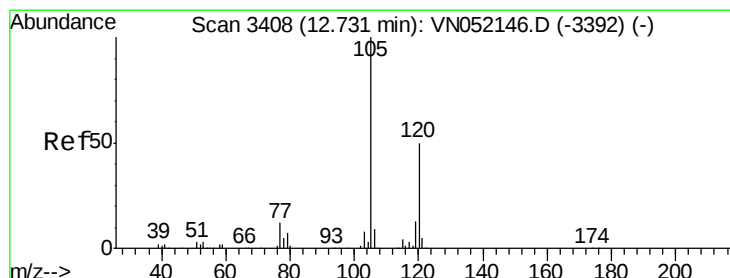
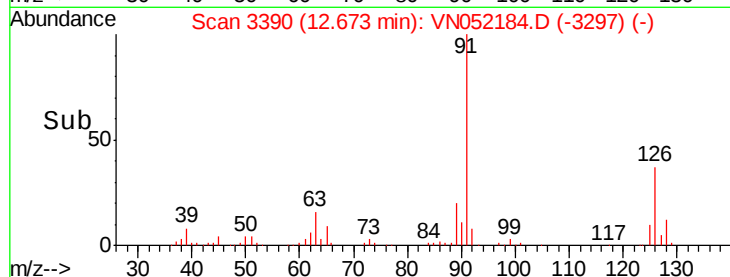
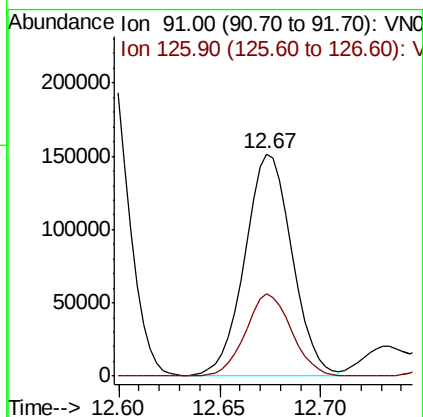
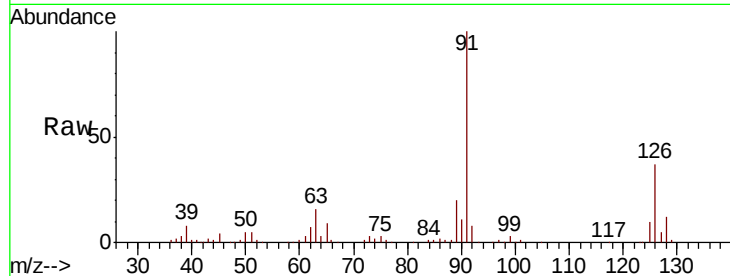




#79
 2-Chlorotoluene
 Concen: 20.364 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

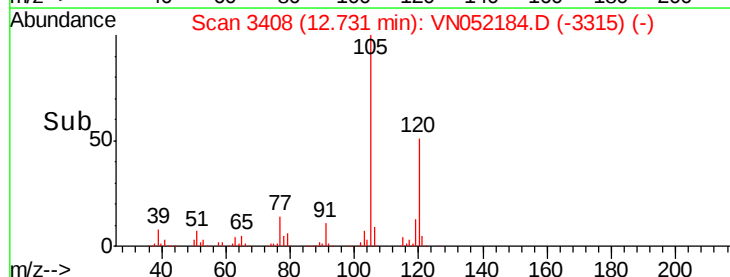
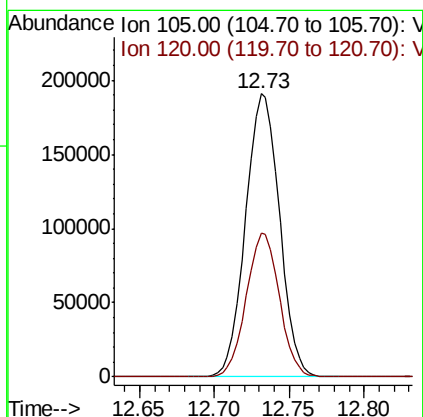
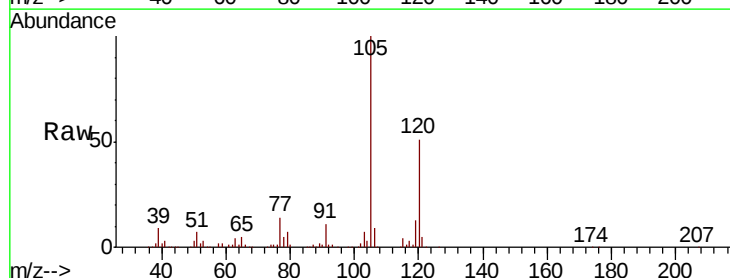
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

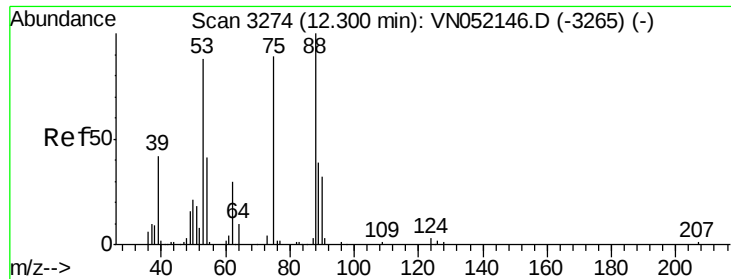
Tgt Ion: 91 Resp: 247564
 Ion Ratio Lower Upper
 91 100
 126 36.3 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.557 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 105 Resp: 301846
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.877 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

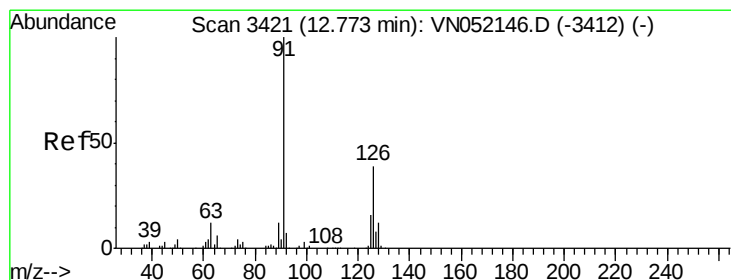
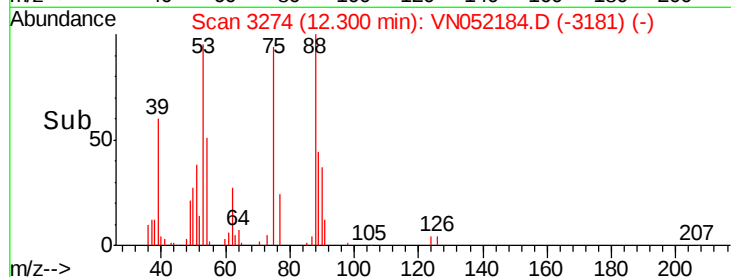
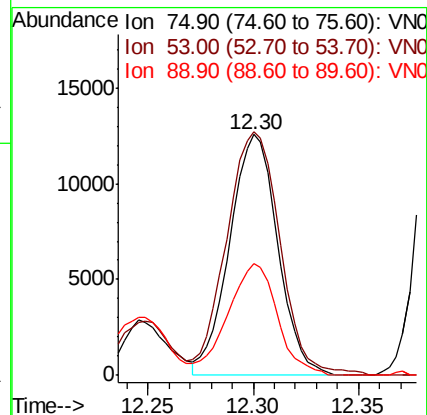
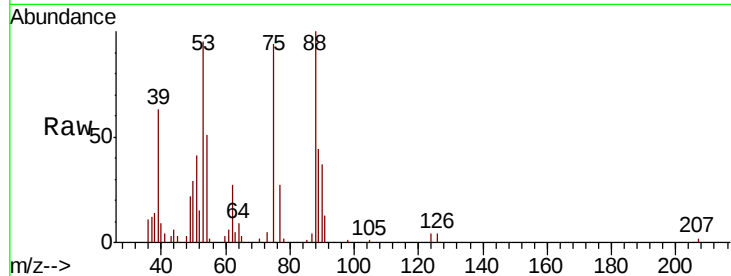
Tgt Ion: 75 Resp: 19905

Ion Ratio Lower Upper

75 100

53 113.1 81.8 122.6

89 47.6 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.479 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052184.D

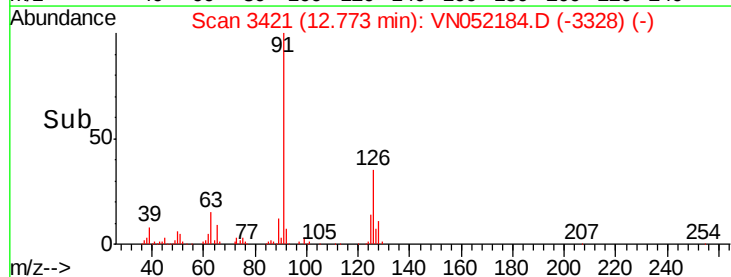
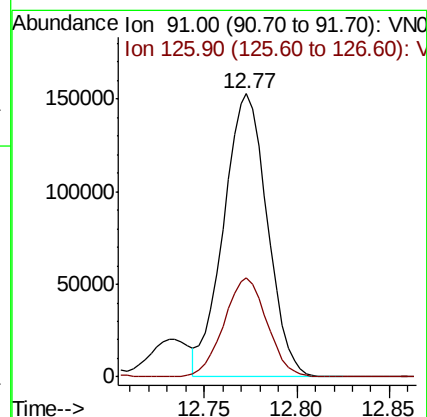
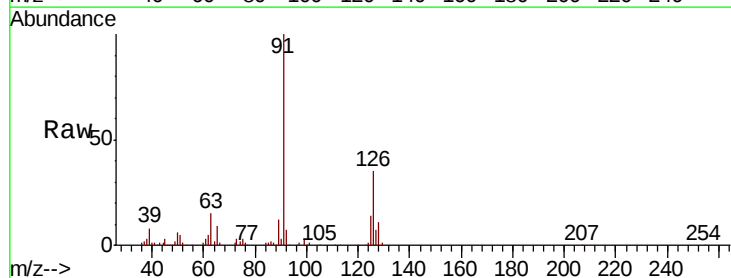
Acq: 6 Nov 2018 11:41

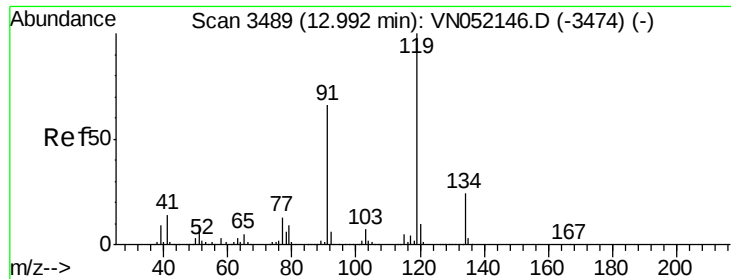
Tgt Ion: 91 Resp: 250228

Ion Ratio Lower Upper

91 100

126 34.4 15.7 47.1

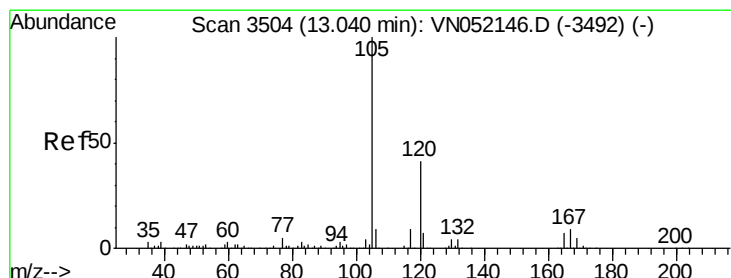
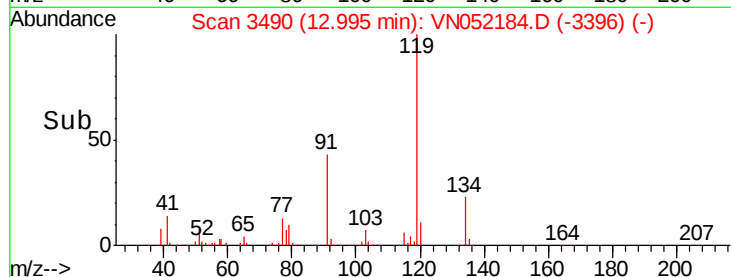
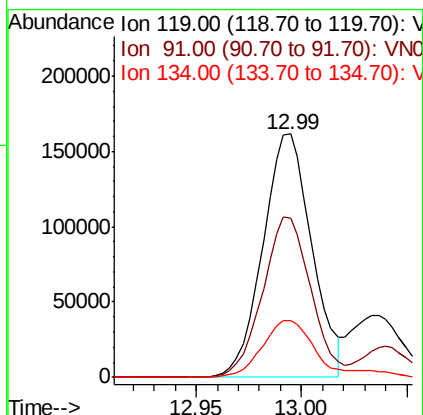
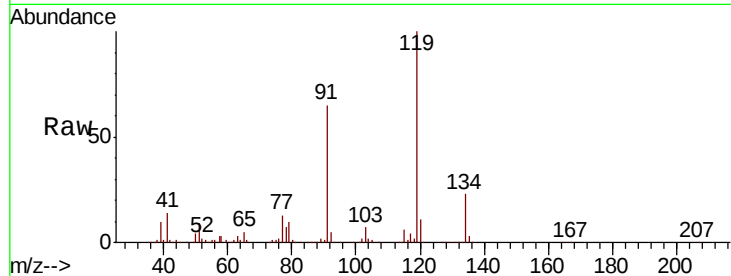




#83
 tert-Butylbenzene
 Concen: 20.110 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

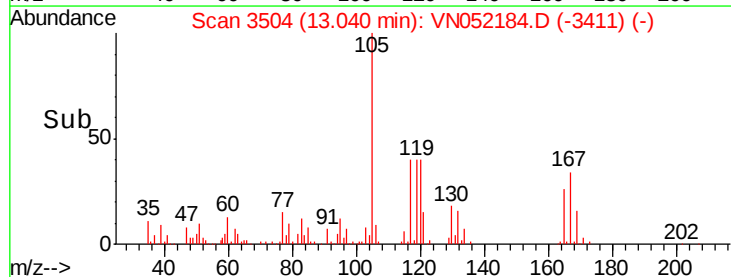
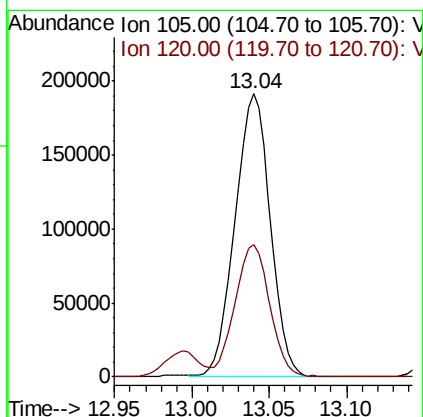
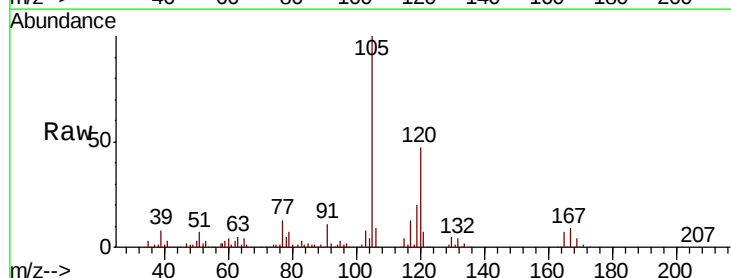
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

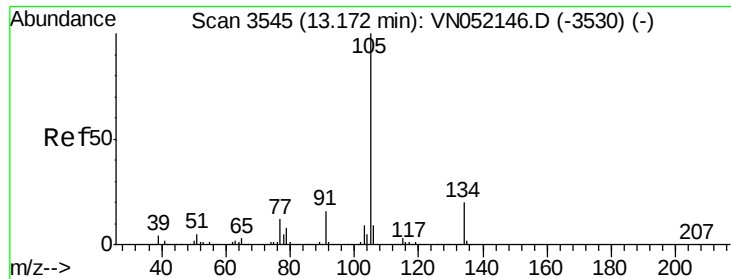
Tgt Ion:119 Resp: 260738
 Ion Ratio Lower Upper
 119 100
 91 64.7 36.6 109.9
 134 24.3 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.756 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion:105 Resp: 303387
 Ion Ratio Lower Upper
 105 100
 120 46.2 21.9 65.5

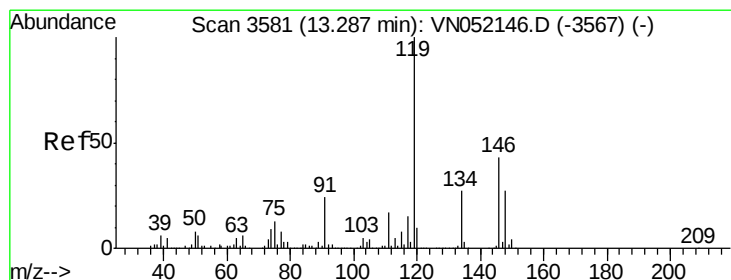
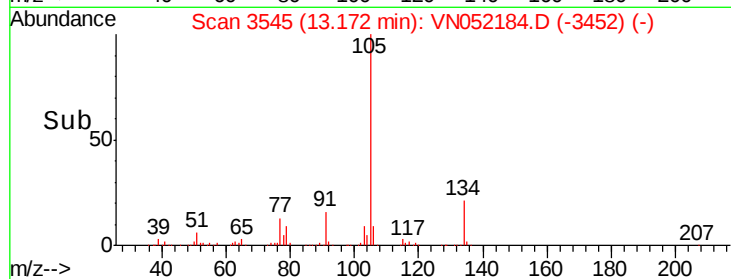
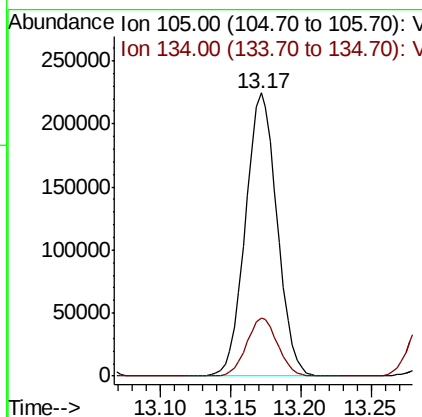
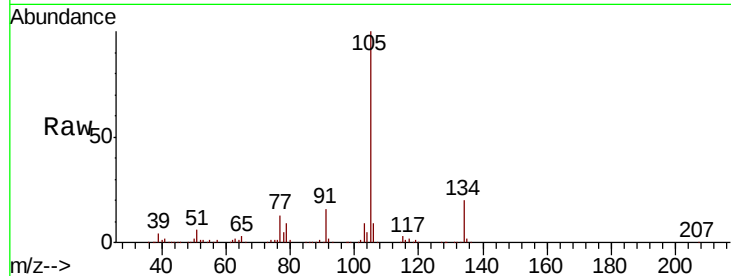




#85
 sec-Butylbenzene
 Concen: 20.101 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

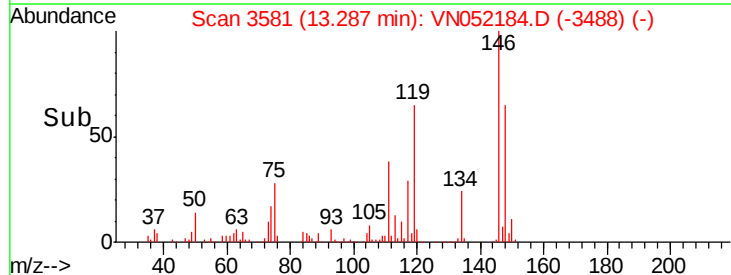
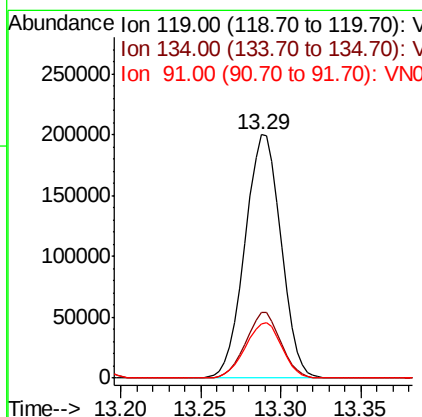
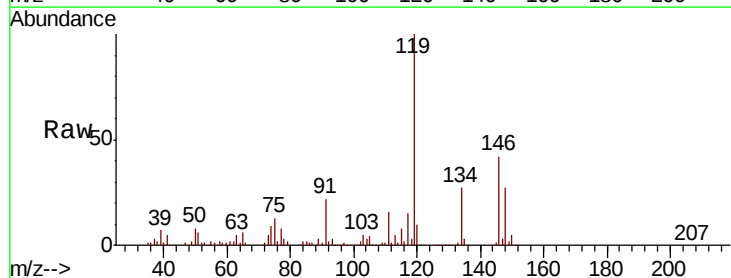
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

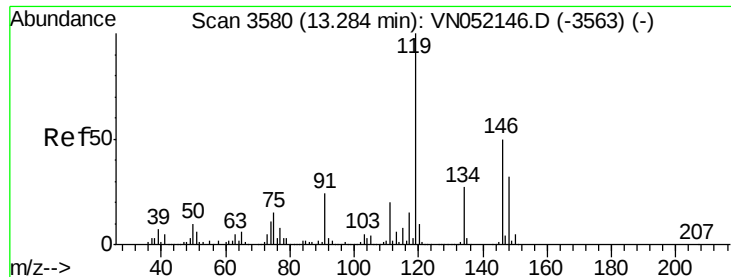
Tgt Ion:105 Resp: 352406
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 20.819 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion:119 Resp: 307220
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.3
 91 23.2 13.4 40.2

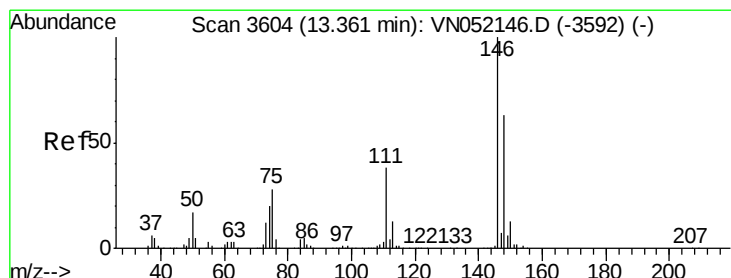
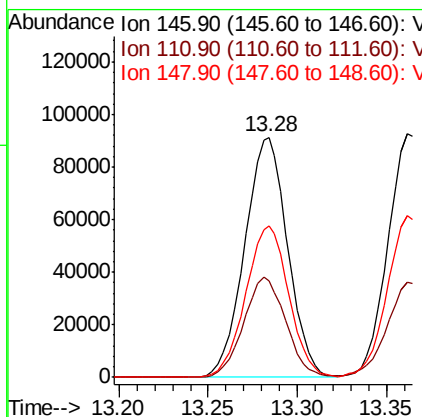
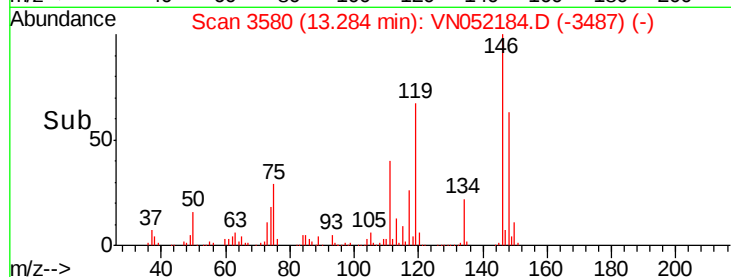
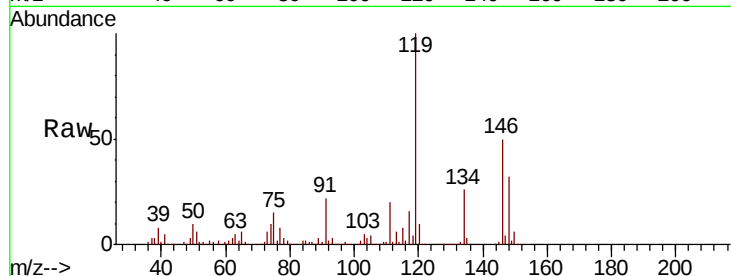




#87
 1,3-Dichlorobenzene
 Concen: 20.034 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

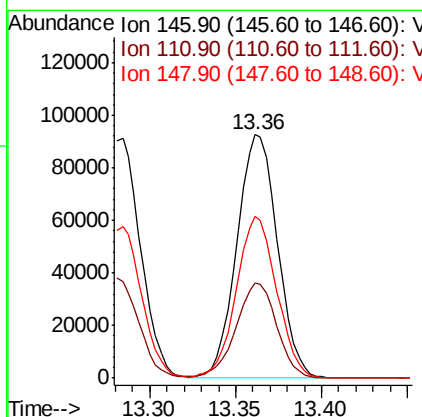
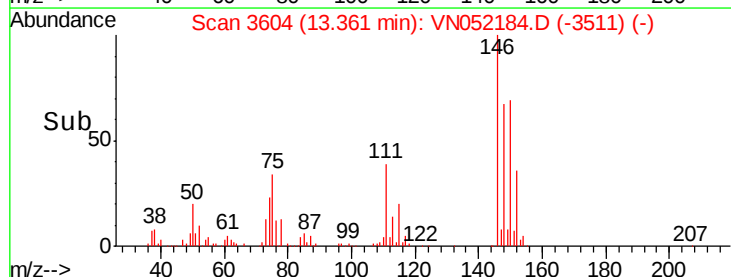
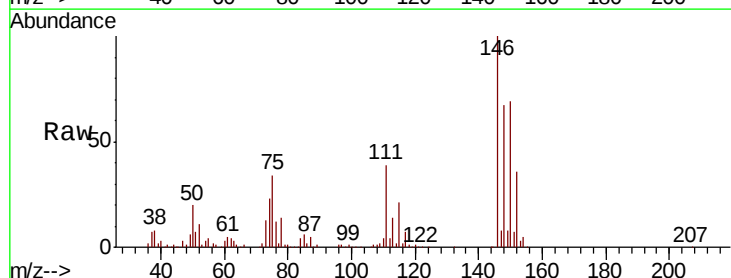
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

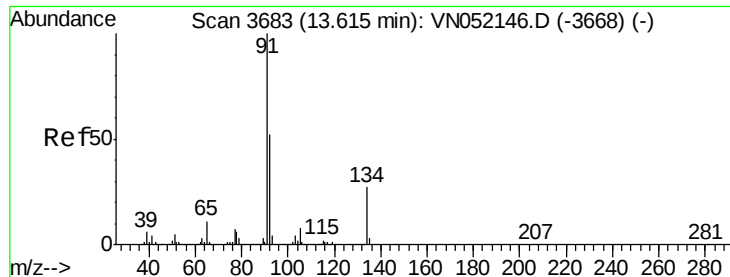
Tgt Ion:146 Resp: 153151
 Ion Ratio Lower Upper
 146 100
 111 41.1 22.9 68.8
 148 63.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.907 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion:146 Resp: 152106
 Ion Ratio Lower Upper
 146 100
 111 39.5 21.9 65.8
 148 66.0 32.6 98.0

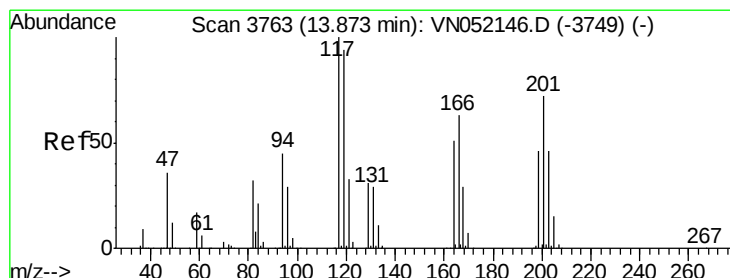
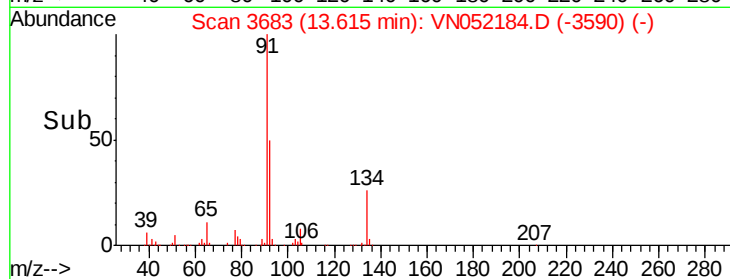
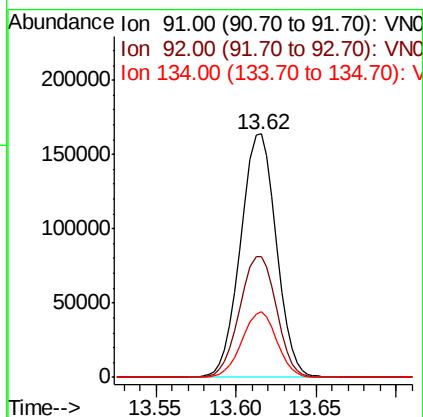
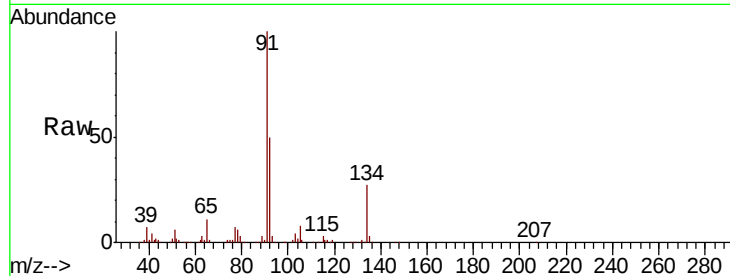




#89
n-Butylbenzene
Concen: 19.529 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

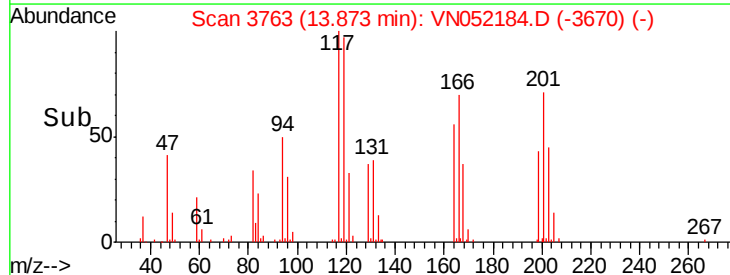
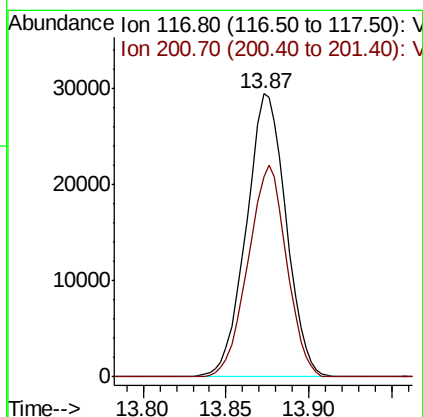
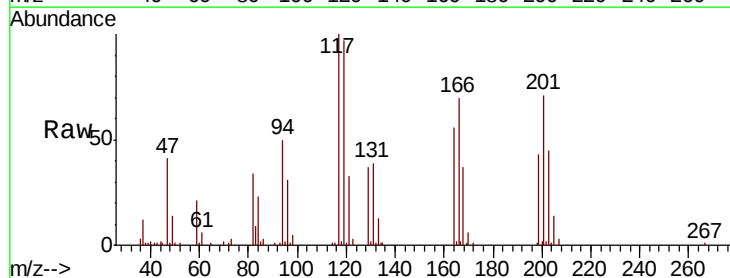
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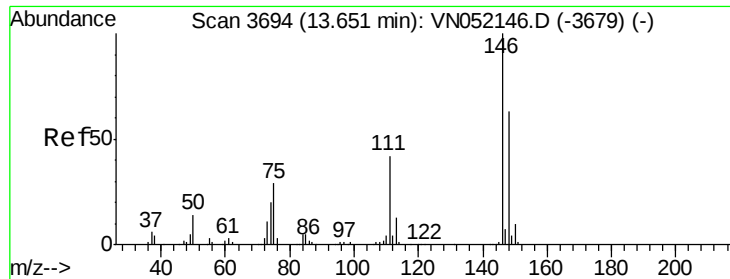
Tgt Ion: 91 Resp: 249535
Ion Ratio Lower Upper
91 100
92 51.0 25.3 75.8
134 26.1 11.2 33.5



#90
Hexachloroethane
Concen: 19.800 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 117 Resp: 49240
Ion Ratio Lower Upper
117 100
201 72.2 31.1 93.5

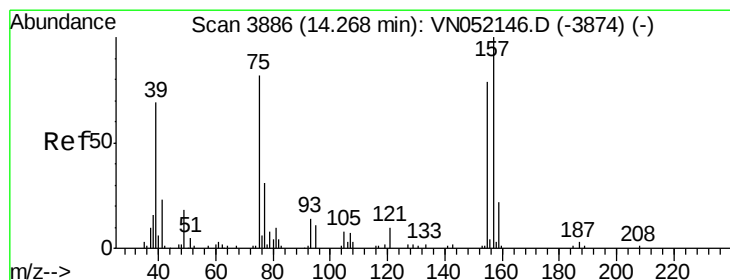
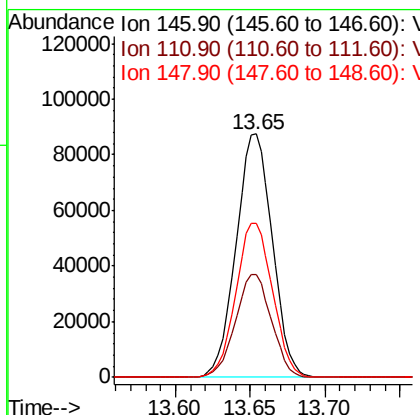
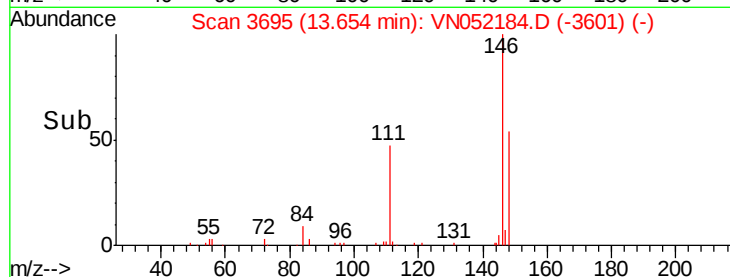
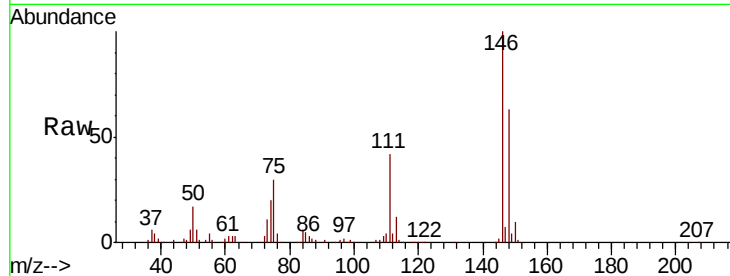




#91
 1,2-Dichlorobenzene
 Concen: 20.584 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

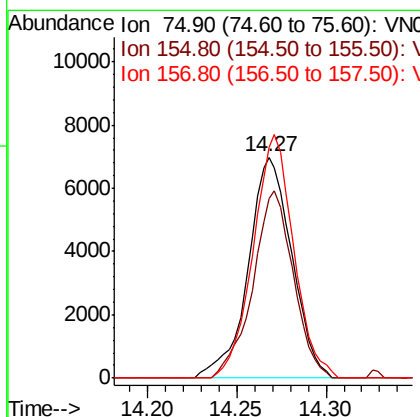
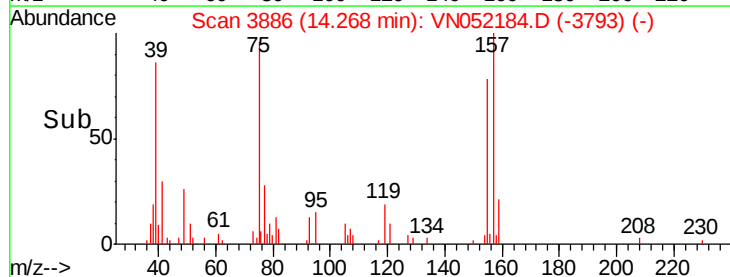
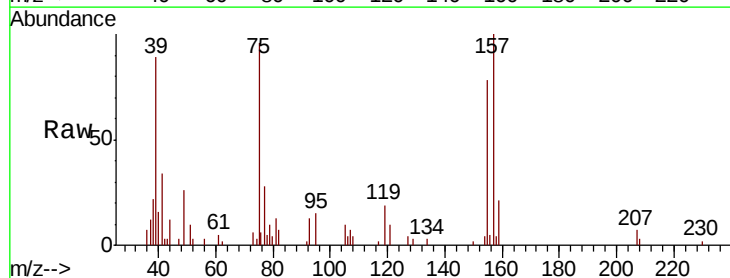
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

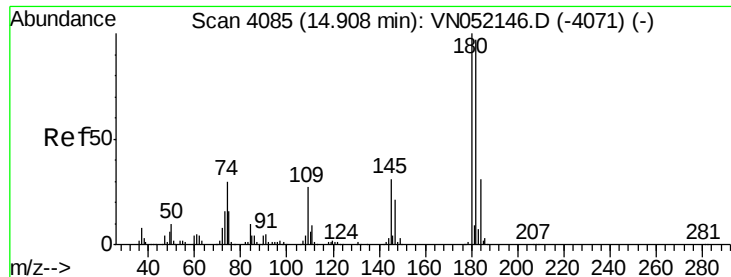
Tgt Ion: 146 Resp: 147673
 Ion Ratio Lower Upper
 146 100
 111 41.9 22.5 67.5
 148 64.0 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.728 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 75 Resp: 11913
 Ion Ratio Lower Upper
 75 100
 155 78.6 34.0 102.0
 157 102.5 42.1 126.4

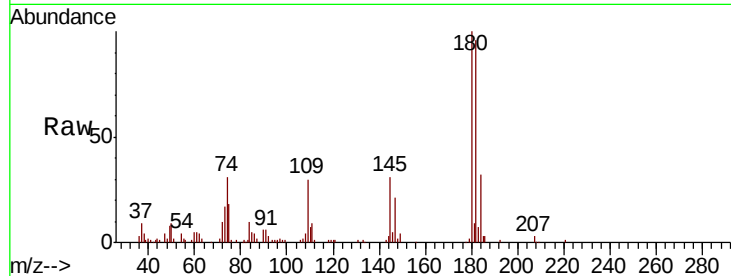




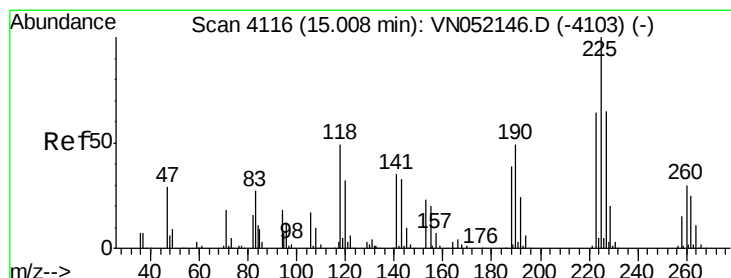
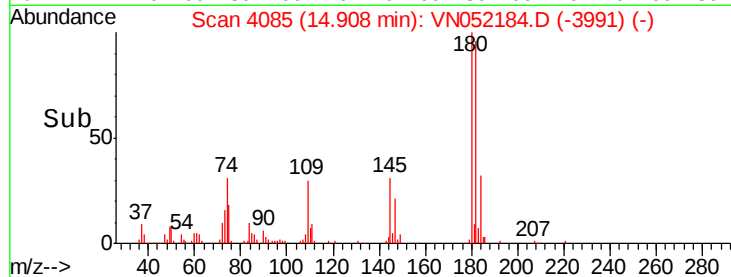
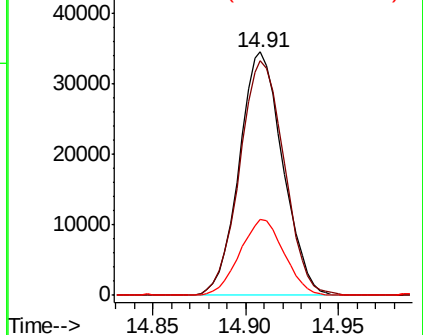
#93
1,2,4-Trichlorobenzene
Concen: 18.158 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tgt Ion:180 Resp: 56392
Ion Ratio Lower Upper
180 100
182 98.4 49.1 147.4
145 31.6 16.4 49.2

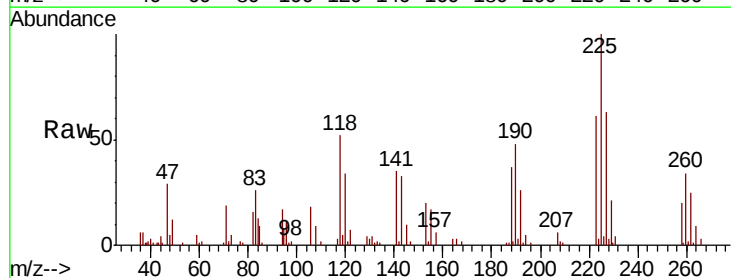


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

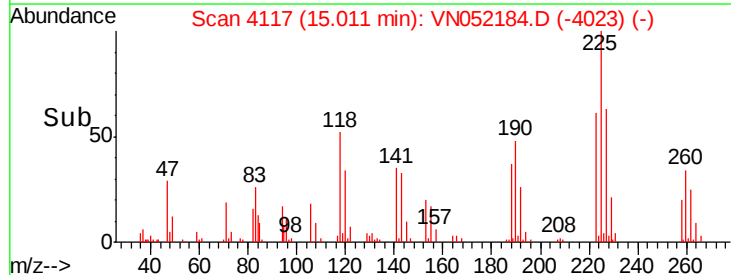
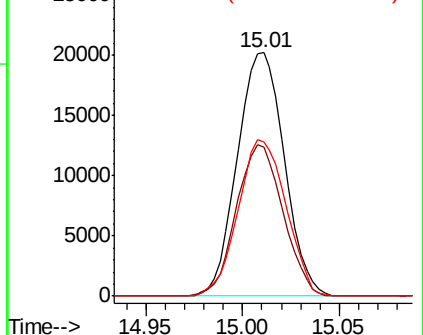


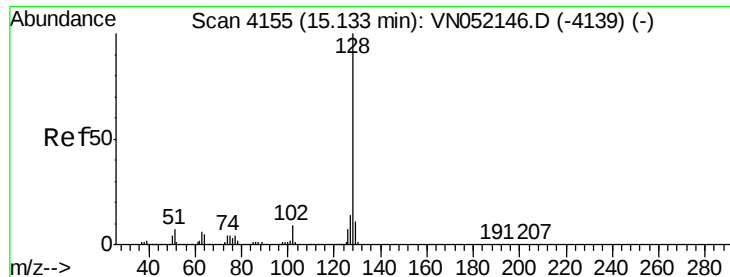
#94
Hexachlorobutadiene
Concen: 20.102 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion:225 Resp: 34234
Ion Ratio Lower Upper
225 100
223 61.5 33.1 99.3
227 65.3 32.6 97.8



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

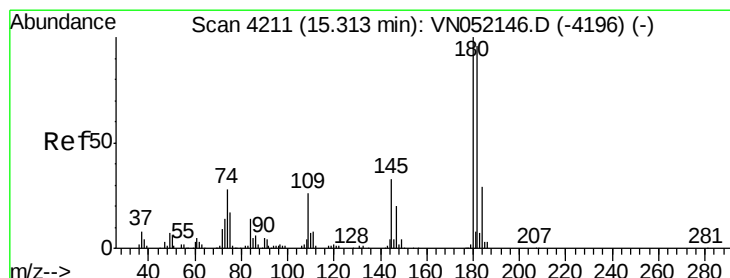
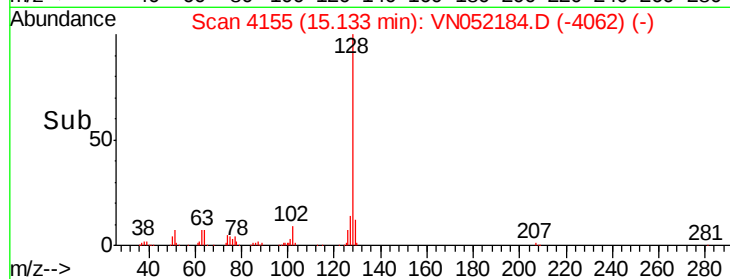
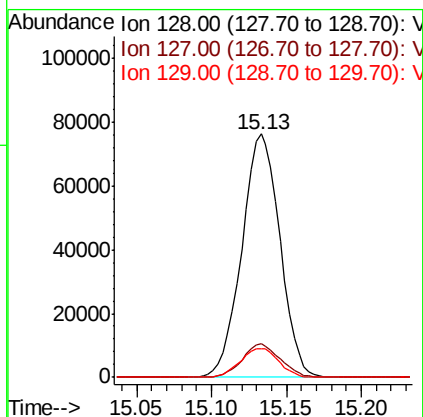
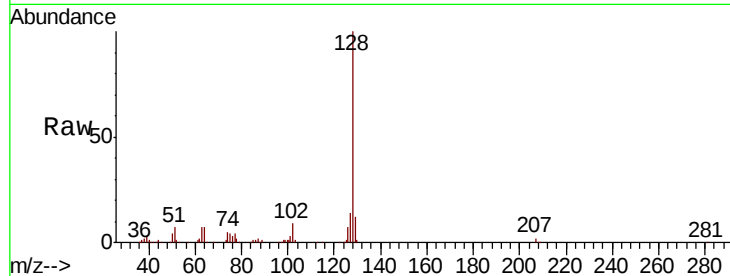




#95
Naphthalene
Concen: 18.402 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tgt Ion:128 Resp: 135200
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 11.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.627 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion:180 Resp: 54017
Ion Ratio Lower Upper
180 100
182 94.7 47.2 141.6
145 32.0 16.6 49.7

