

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052668.D
 Acq On : 5 Dec 2018 11:33
 Operator : MD\SY
 Sample : VN1205WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Quant Time: Dec 06 04:26:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	938890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1454806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1279620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	570832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	539874	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
35) Dibromofluoromethane	7.59	113	485653	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
50) Toluene-d8	10.09	98	1848940	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
62) 4-Bromofluorobenzene	12.40	95	624034	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	159101	18.098	ug/l	99
3) Chloromethane	2.06	50	209578	18.060	ug/l	100
4) Vinyl Chloride	2.19	62	218589	18.337	ug/l	100
5) Bromomethane	2.57	94	136721	18.382	ug/l	96
6) Chloroethane	2.71	64	136594	18.917	ug/l	99
7) Trichlorofluoromethane	3.02	101	280707	19.170	ug/l	100
8) Diethyl Ether	3.41	74	110855	20.501	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	181187	19.830	ug/l	99
10) Methyl Iodide	3.96	142	256828	21.105	ug/l	99
11) Tert butyl alcohol	4.78	59	57109	111.589	ug/l	99
12) 1,1-Dichloroethene	3.74	96	169923	19.321	ug/l	99
13) Acrolein	3.61	56	73650	82.801	ug/l	100
14) Allyl chloride	4.33	41	293463	19.360	ug/l	99
15) Acrylonitrile	4.99	53	334404	103.222	ug/l	99
16) Acetone	3.82	43	286518	106.261	ug/l	100
17) Carbon Disulfide	4.06	76	466877	16.869	ug/l	100
18) Methyl Acetate	4.33	43	170155	22.000	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	487553	20.835	ug/l	99
20) Methylene Chloride	4.55	84	203784	19.313	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	181503	19.323	ug/l	96
22) Diisopropyl ether	5.95	45	635671	19.965	ug/l	100
23) Vinyl Acetate	5.90	43	1989405	100.314	ug/l	100
24) 1,1-Dichloroethane	5.85	63	361194	19.868	ug/l	99
25) 2-Butanone	6.83	43	399231	104.461	ug/l	98
26) 2,2-Dichloropropane	6.83	77	261149	20.754	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	215645	19.708	ug/l	99
28) Bromochloromethane	7.19	49	169923	20.464	ug/l	94
29) Tetrahydrofuran	7.21	42	246676	100.069	ug/l	98
30) Chloroform	7.37	83	355135	19.580	ug/l	98
31) Cyclohexane	7.65	56	327229	18.366	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	290905	20.243	ug/l	99
36) 1,1-Dichloropropene	7.79	75	266772	19.418	ug/l	100
37) Ethyl Acetate	6.93	43	171495	20.454	ug/l	99
38) Carbon Tetrachloride	7.77	117	253068	20.349	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	313233	18.759	ug/l	99
40) Benzene	8.04	78	808250	19.741	ug/l	99
41) Methacrylonitrile	7.17	41	85613	18.677	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	254475	20.527	ug/l	99
43) Isopropyl Acetate	8.16	43	306643	21.612	ug/l #	87
44) Trichloroethene	8.84	130	210503	20.072	ug/l	97
45) 1,2-Dichloropropane	9.12	63	220283	20.237	ug/l	99
46) Dibromomethane	9.21	93	127067	21.087	ug/l	98
47) Bromodichloromethane	9.40	83	271438	20.719	ug/l	99
48) Methyl methacrylate	9.20	41	149490	20.206	ug/l	97
49) 1,4-Dioxane	9.20	88	36234	471.902	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	855528	107.467	ug/l	98
52) Toluene	10.16	92	497355	20.446	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	261531	20.751	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	309782	20.510	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	182645	21.346	ug/l	98
56) Ethyl methacrylate	10.43	69	227501	20.809	ug/l	99
57) 1,3-Dichloropropane	10.71	76	312323	20.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	655532	105.579	ug/l	99
59) 2-Hexanone	10.75	43	583807	109.267	ug/l	100
60) Dibromochloromethane	10.90	129	195316	21.017	ug/l	100
61) 1,2-Dibromoethane	11.01	107	179385	21.108	ug/l	100
64) Tetrachloroethene	10.63	164	206282	20.792	ug/l	98
65) Chlorobenzene	11.43	112	543774	20.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	192958	21.032	ug/l	99
67) Ethyl Benzene	11.51	91	938227	20.305	ug/l	100
68) m/p-Xylenes	11.62	106	709867	41.268	ug/l	100
69) o-Xylene	11.95	106	344337	20.614	ug/l	99
70) Styrene	11.96	104	557322	20.948	ug/l	100
71) Bromoform	12.13	173	134016	22.062	ug/l #	99
73) Isopropylbenzene	12.25	105	927186	20.703	ug/l	100
74) N-amyl acetate	12.07	43	241834	21.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	219156	21.512	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	269985	30.671	ug/l #	100
77) Bromobenzene	12.53	156	231197	20.886	ug/l	99
78) n-propylbenzene	12.59	91	1045526	20.550	ug/l	99
79) 2-Chlorotoluene	12.67	91	623321	20.573	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	754291	21.118	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56309	21.363	ug/l	99
82) 4-Chlorotoluene	12.77	91	619470	20.287	ug/l	99
83) tert-Butylbenzene	12.99	119	677314	21.271	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	765327	21.380	ug/l	98
85) sec-Butylbenzene	13.17	105	895015	20.636	ug/l	99
86) p-Isopropyltoluene	13.29	119	761628	20.618	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	398741	20.593	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	389217	20.407	ug/l	98
89) n-Butylbenzene	13.62	91	617182	20.090	ug/l	100
90) Hexachloroethane	13.88	117	127670	20.412	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	390285	21.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31799	21.824	ug/l	98

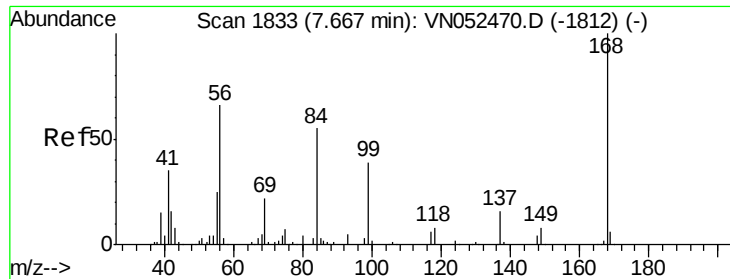
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
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Quant Time: Dec 06 04:26:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186038	20.148	ug/l	99
94) Hexachlorobutadiene	15.01	225	125471	21.083	ug/l	98
95) Naphthalene	15.13	128	394715	20.535	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	181350	21.128	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: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

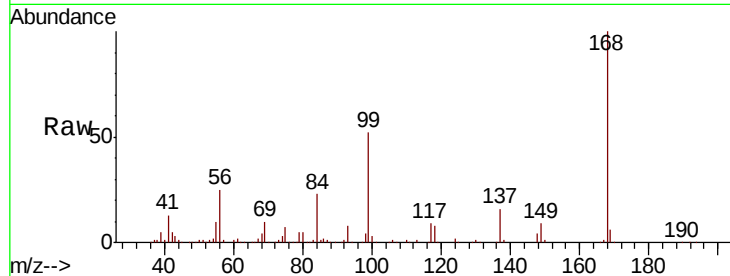
VN1205WBSD01

Tot Ion:168 Resp: 938890

Ion Ratio Lower Upper

168 100

99 51.5 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

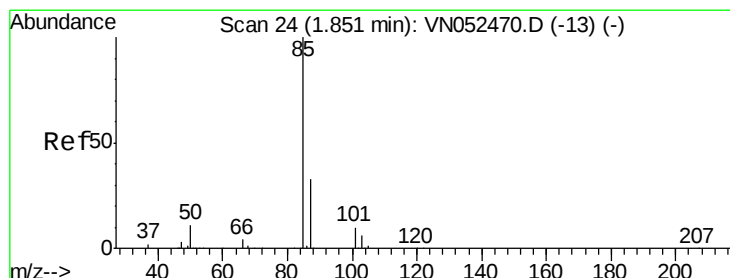
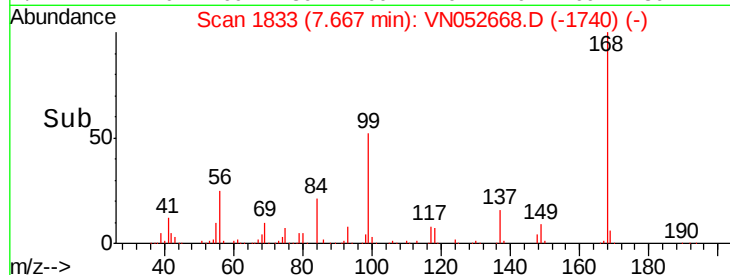
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.098 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052668.D

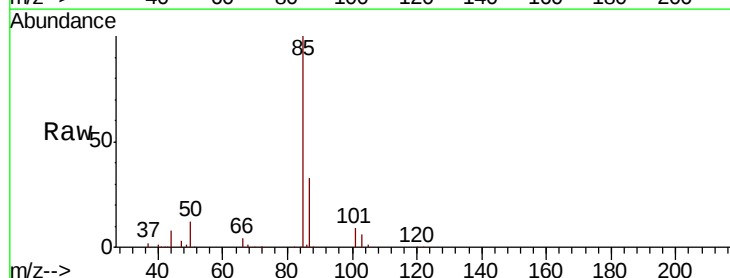
Acq: 5 Dec 2018 11:33

Tgt Ion: 85 Resp: 159101

Ion Ratio Lower Upper

85 100

87 33.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

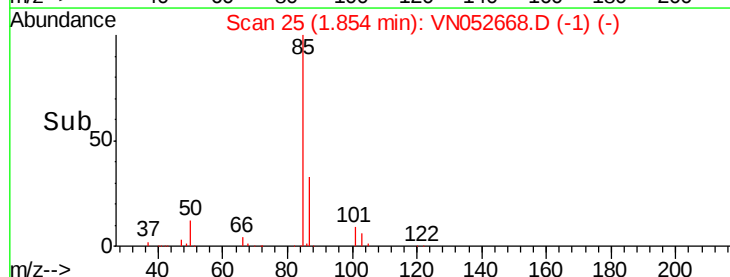
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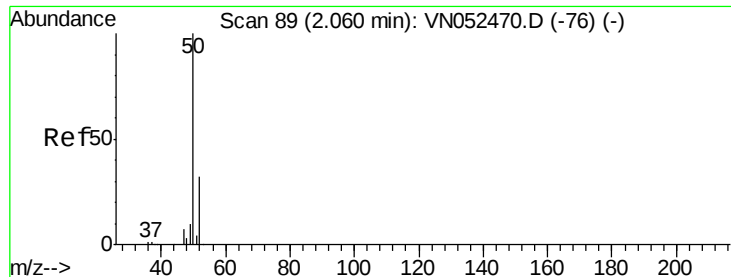
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.060 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

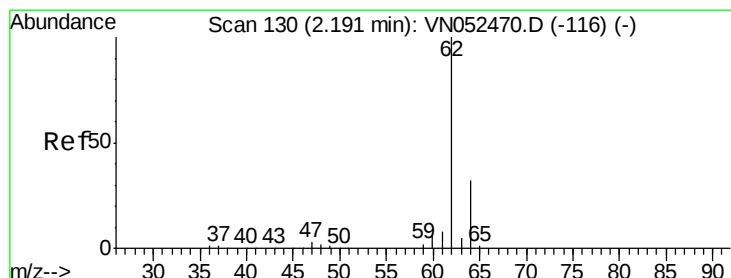
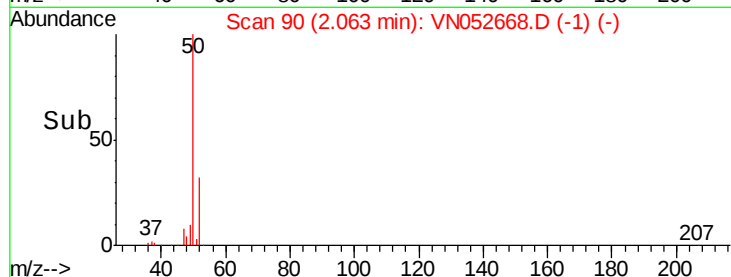
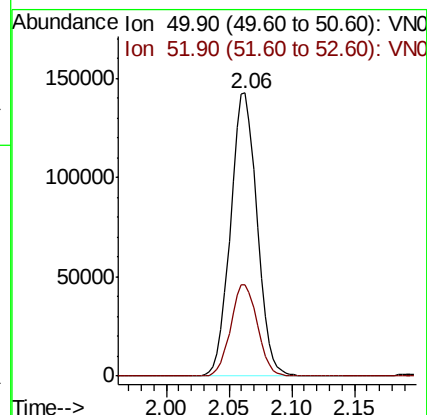
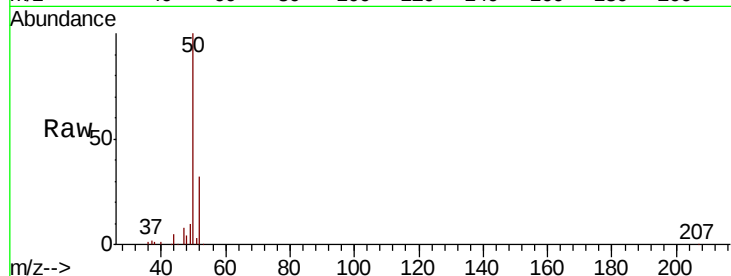
VN1205WBSD01

Tot Ion: 50 Resp: 209578

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



#4

Vinyl Chloride

Concen: 18.337 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052668.D

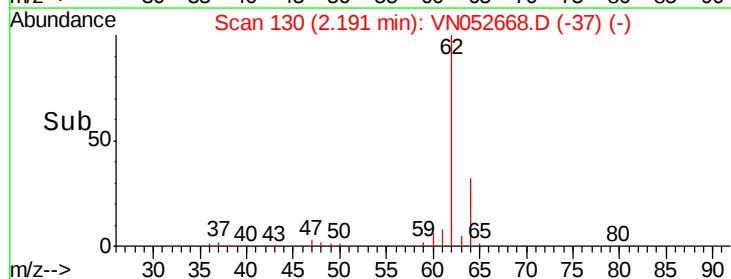
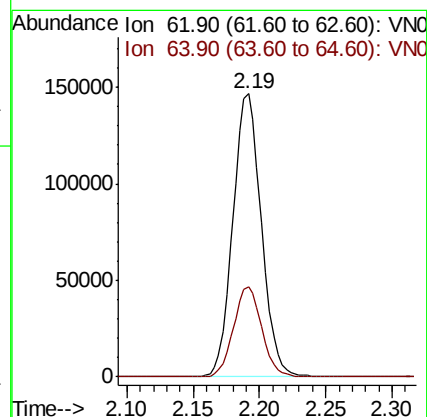
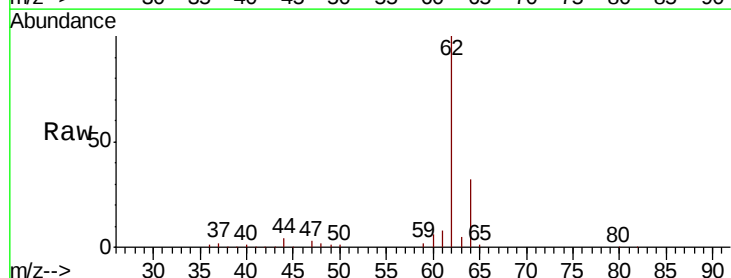
Acq: 5 Dec 2018 11:33

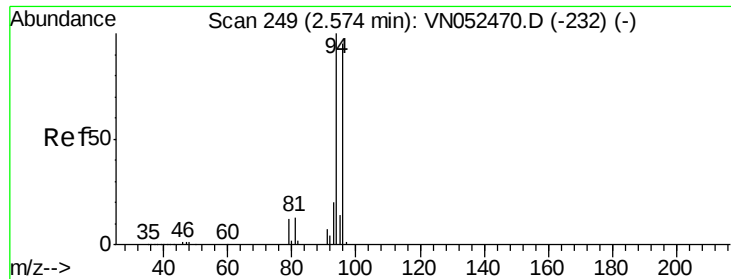
Tgt Ion: 62 Resp: 218589

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 18.382 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

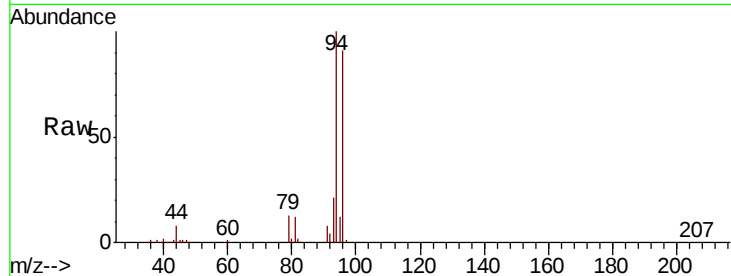
VN1205WBSD01

Tot Ion: 94 Resp: 136721

Ion Ratio Lower Upper

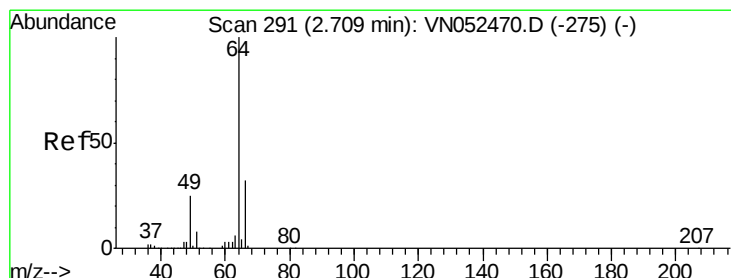
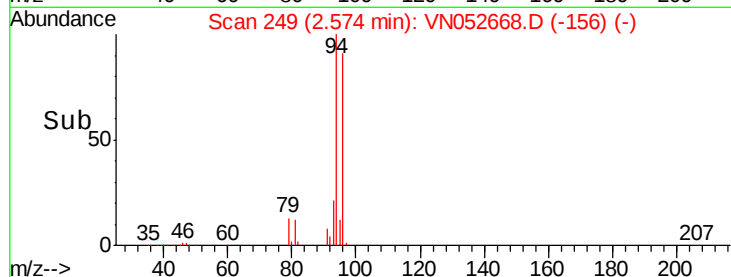
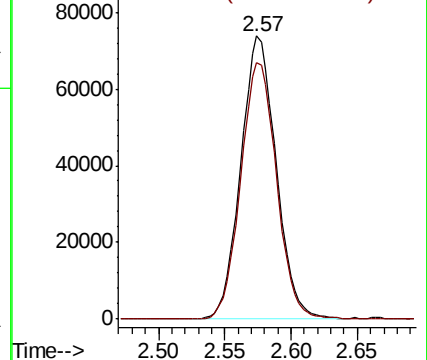
94 100

96 90.8 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.917 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052668.D

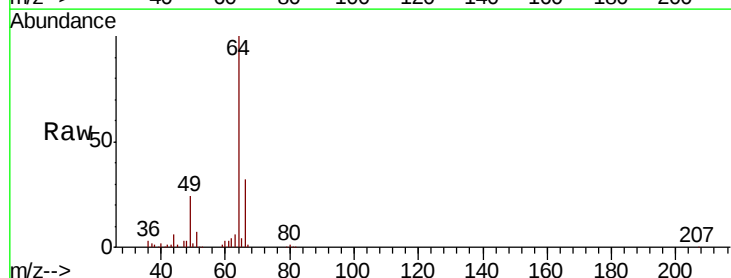
Acq: 5 Dec 2018 11:33

Tgt Ion: 64 Resp: 136594

Ion Ratio Lower Upper

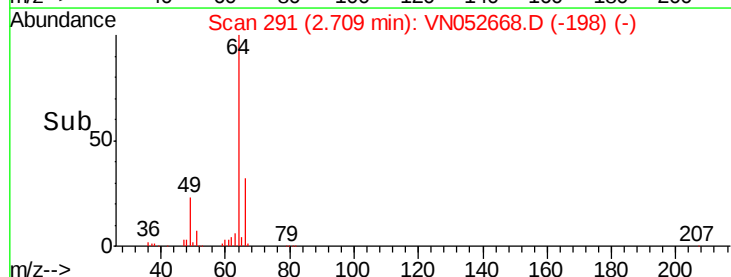
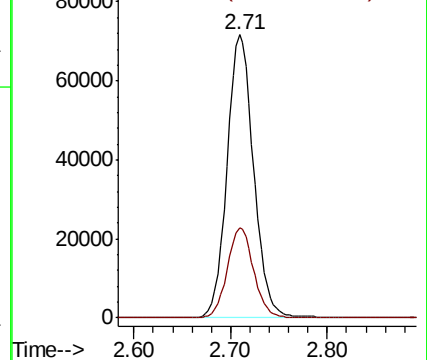
64 100

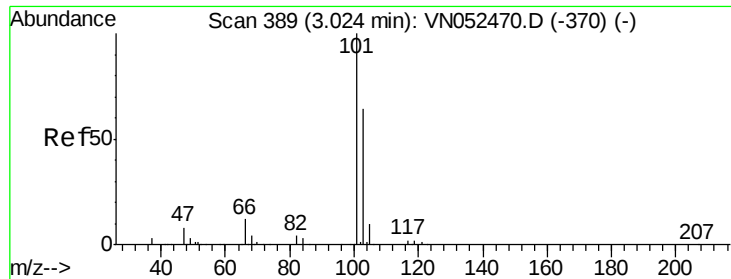
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



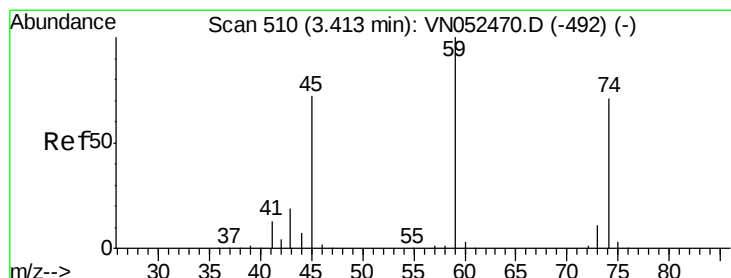
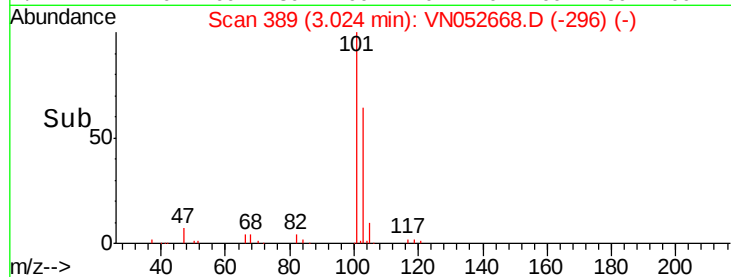
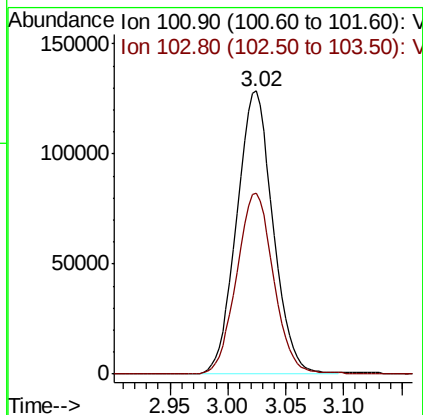
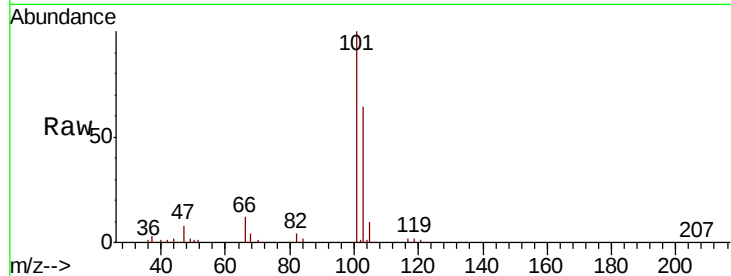


#7

Trichlorofluoromethane
 Concen: 19.170 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Instrument :
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 VN1205WBSD01

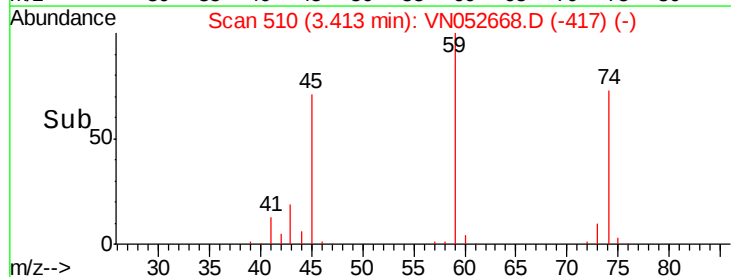
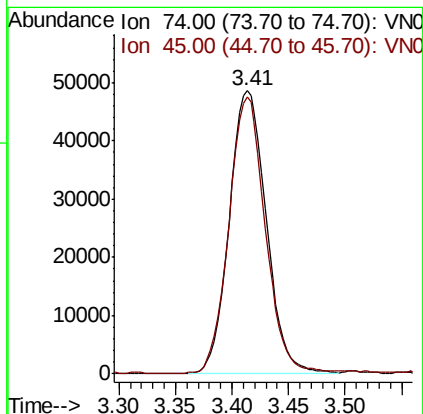
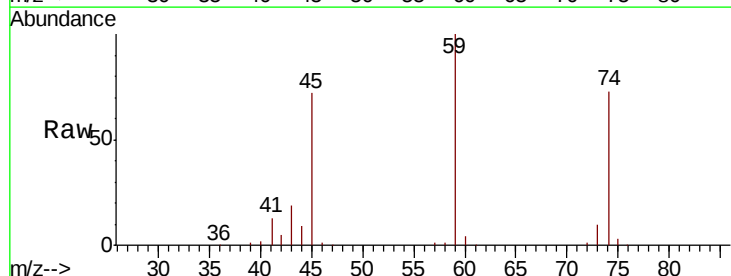
Tot Ion:101 Resp: 280707
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.2

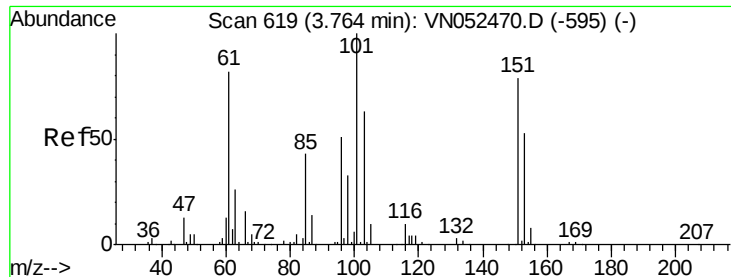


#8

Diethyl Ether
 Concen: 20.501 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 74 Resp: 110855
 Ion Ratio Lower Upper
 74 100
 45 97.1 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.830 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

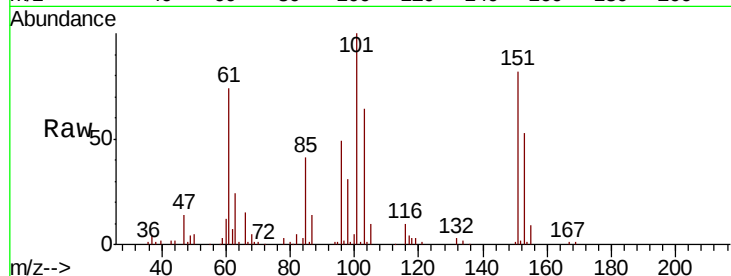
Tot Ion:101 Resp: 181187

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.4

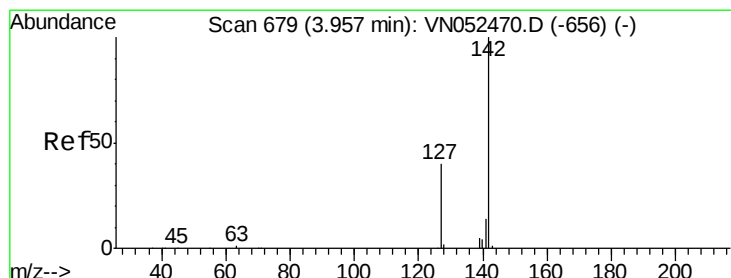
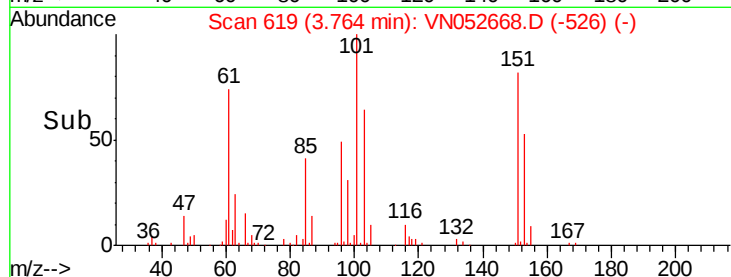
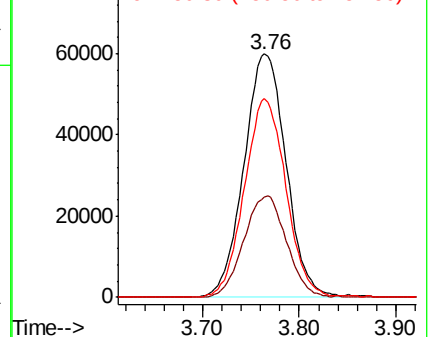
151 80.4 64.6 96.8



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: 21.105 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

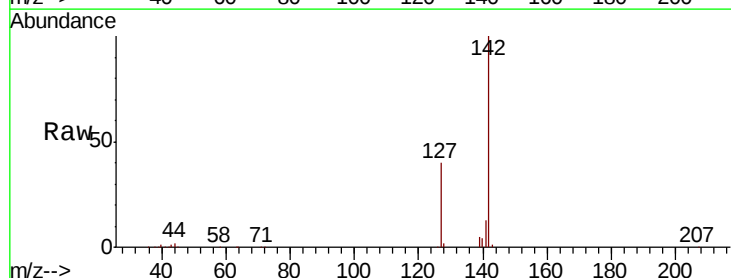
Tgt Ion:142 Resp: 256828

Ion Ratio Lower Upper

142 100

127 40.1 31.8 47.6

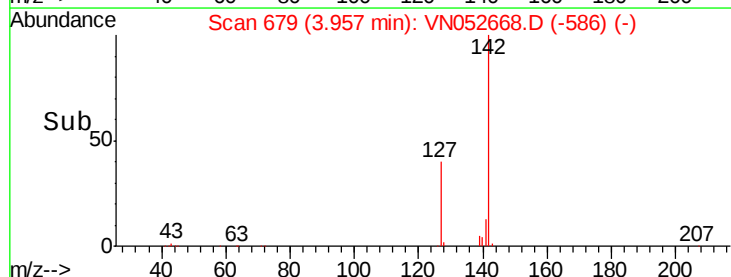
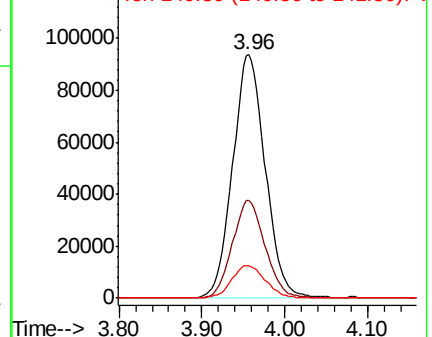
141 13.8 11.4 17.0

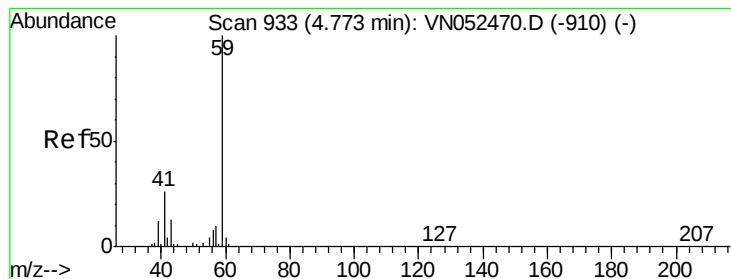


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 111.589 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

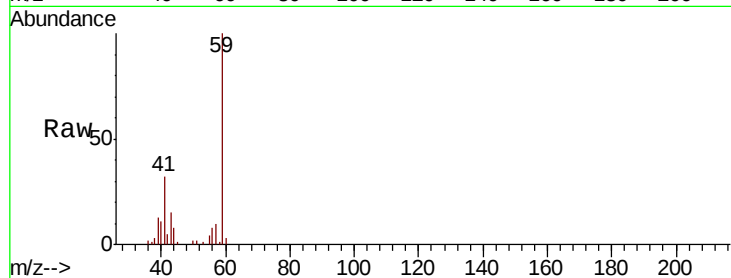
VN1205WBSD01

Tot Ion: 59 Resp: 57109

Ion Ratio Lower Upper

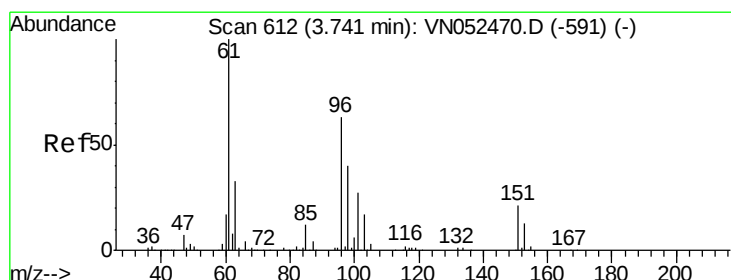
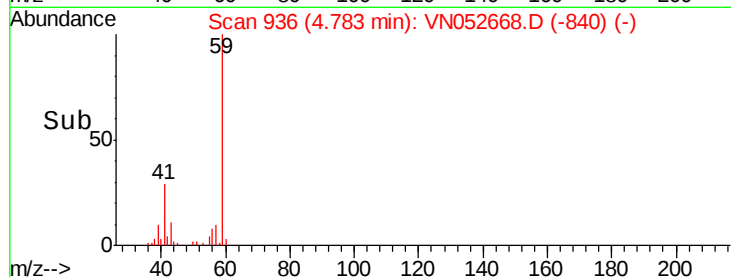
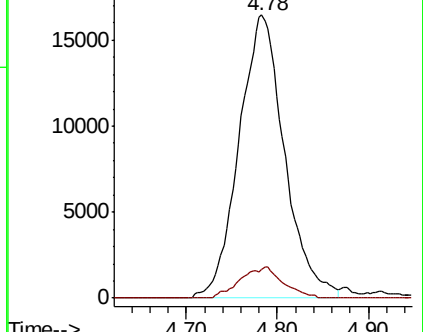
59 100

57 10.4 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VN052470.D (-910) (-)

Ion 57.00 (56.70 to 57.70): VN052470.D (-910) (-)



#12

1,1-Dichloroethene

Concen: 19.321 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

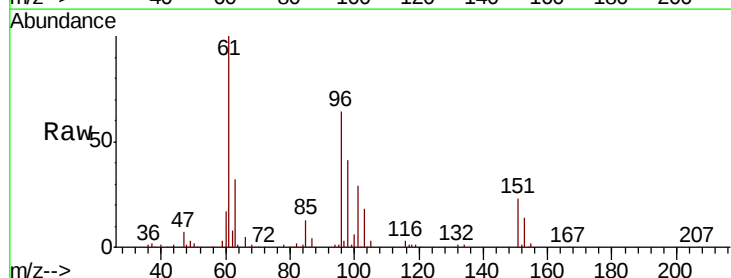
Tgt Ion: 96 Resp: 169923

Ion Ratio Lower Upper

96 100

61 157.4 127.0 190.6

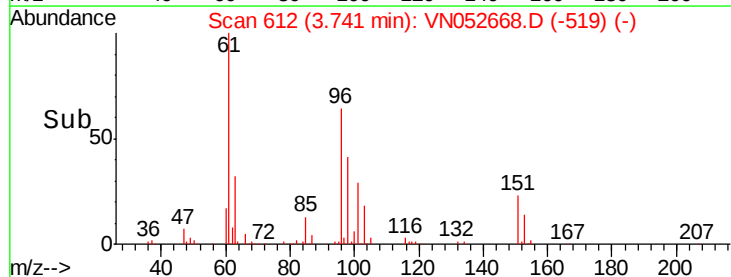
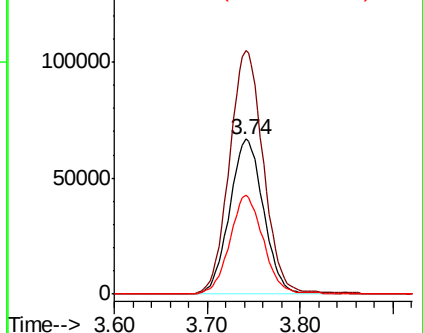
98 64.2 50.3 75.5

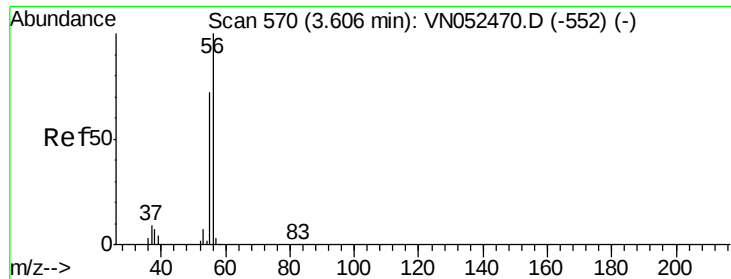


Abundance Ion 95.90 (95.60 to 96.60): VN052470.D (-591) (-)

Ion 60.90 (60.60 to 61.60): VN052470.D (-591) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-591) (-)





#13

Acrolein

Concen: 82.801 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

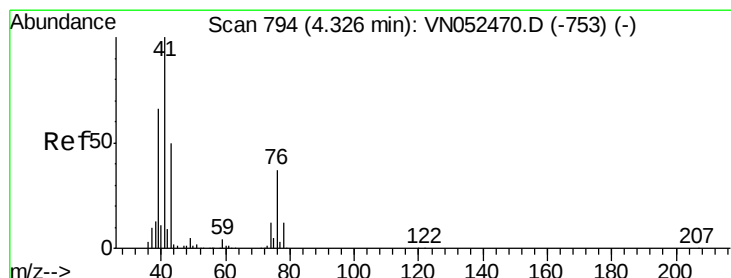
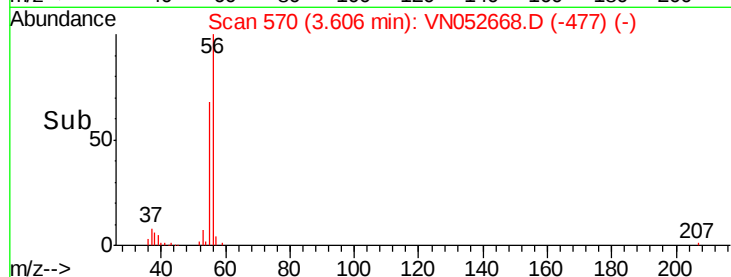
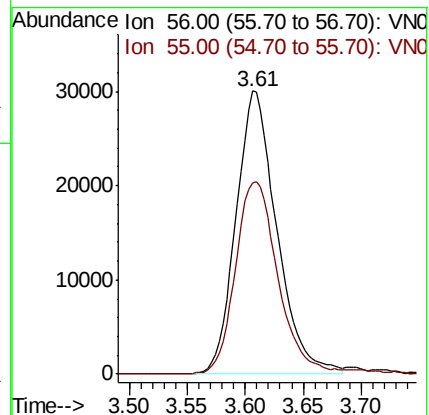
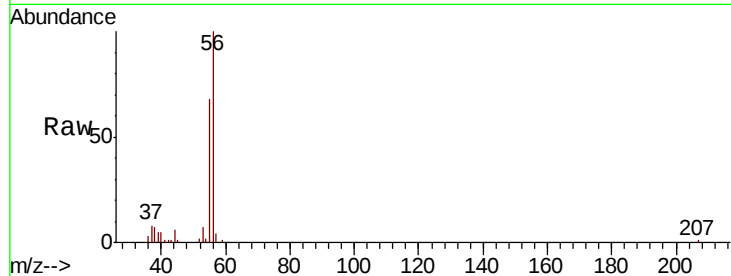
VN1205WBSD01

Tot Ion: 56 Resp: 73650

Ion Ratio Lower Upper

56 100

55 70.6 56.8 85.2



#14

Allyl chloride

Concen: 19.360 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

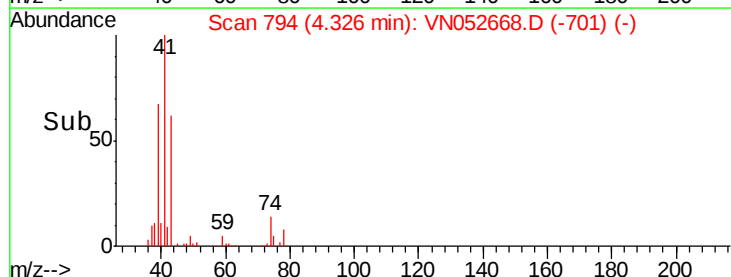
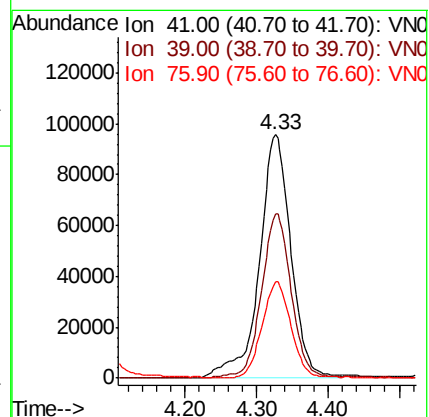
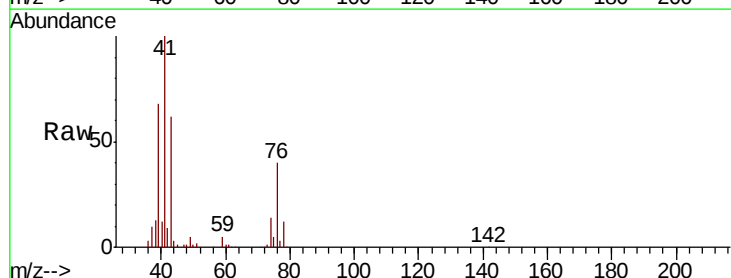
Tgt Ion: 41 Resp: 293463

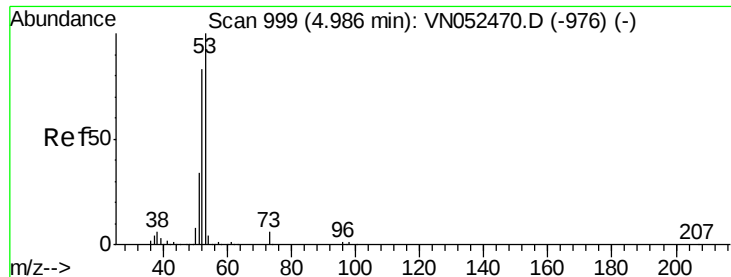
Ion Ratio Lower Upper

41 100

39 63.7 50.6 76.0

76 35.9 27.4 41.2





#15

Acrylonitrile

Concen: 103.222 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

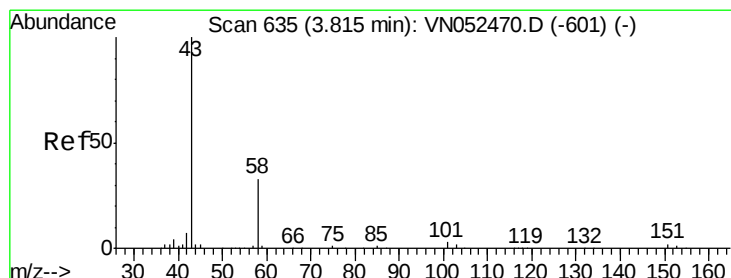
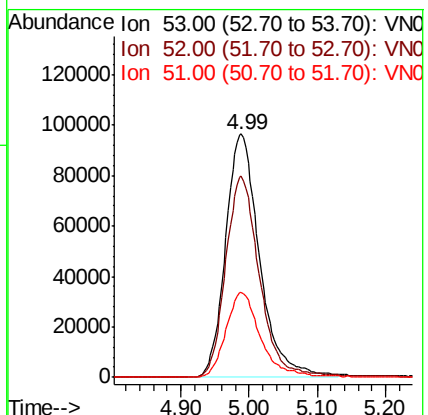
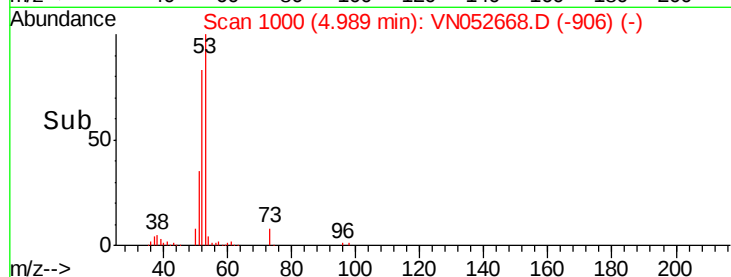
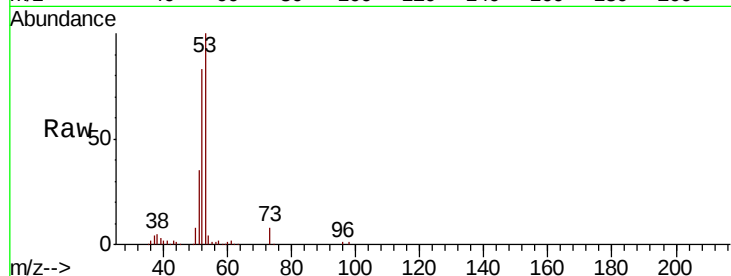
Tot Ion: 53 Resp: 334404

Ion Ratio Lower Upper

53 100

52 81.8 66.2 99.2

51 35.3 28.1 42.1



#16

Acetone

Concen: 106.261 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052668.D

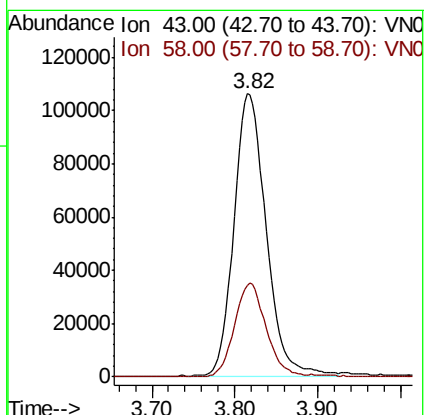
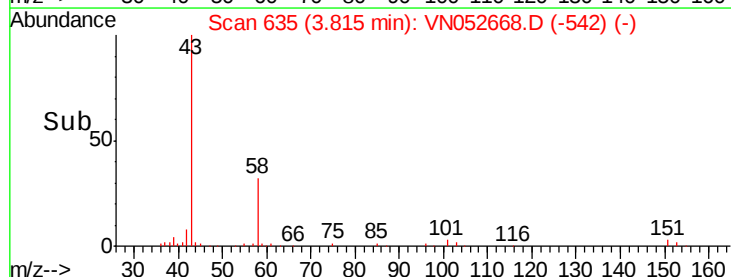
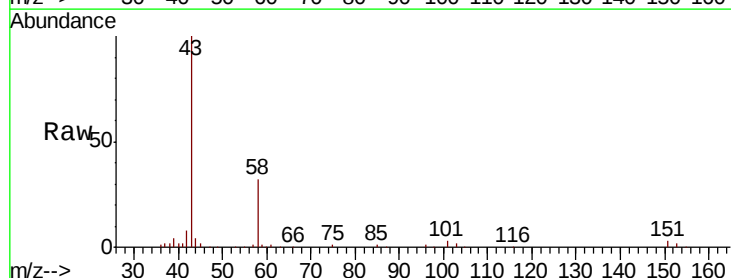
Acq: 5 Dec 2018 11:33

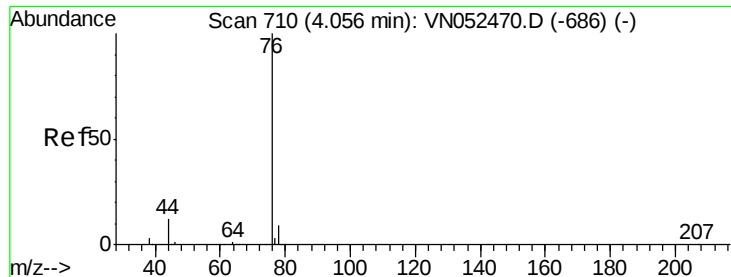
Tgt Ion: 43 Resp: 286518

Ion Ratio Lower Upper

43 100

58 32.3 26.0 39.0

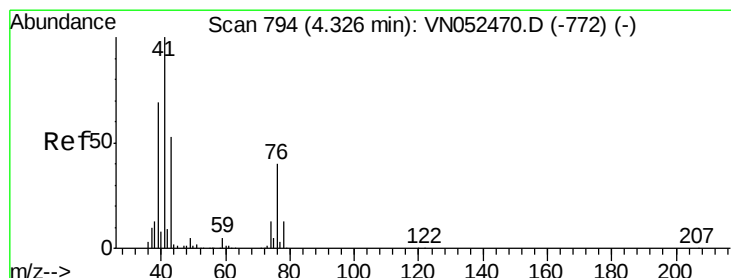
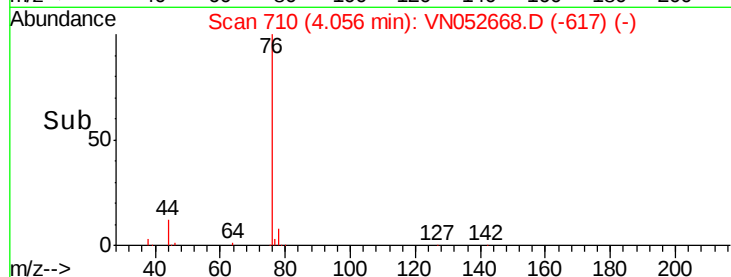
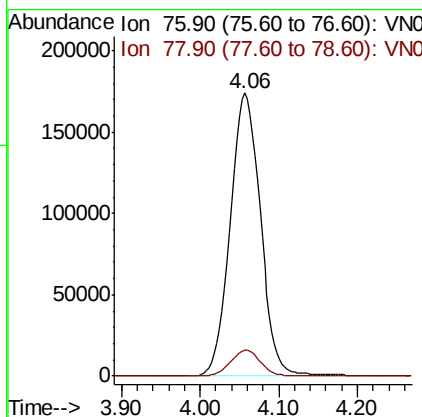
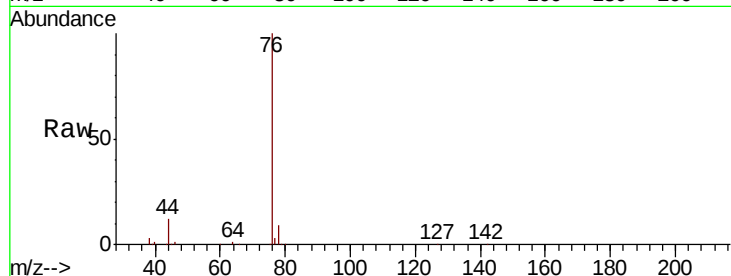




#17
Carbon Disulfide
Concen: 16.869 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

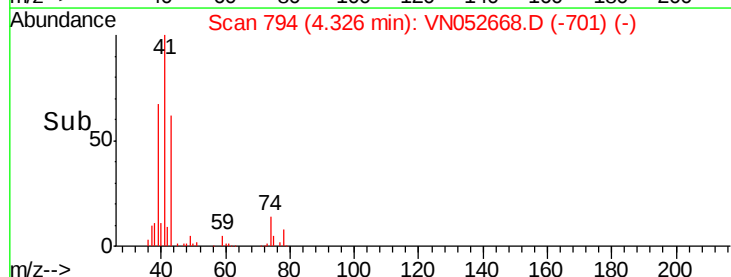
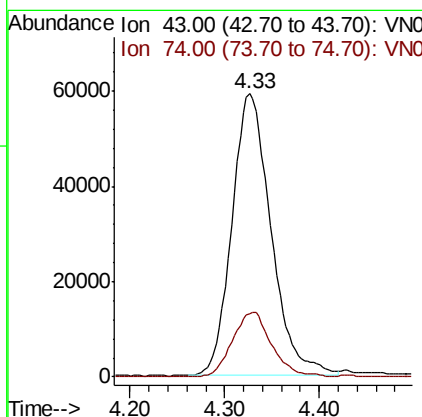
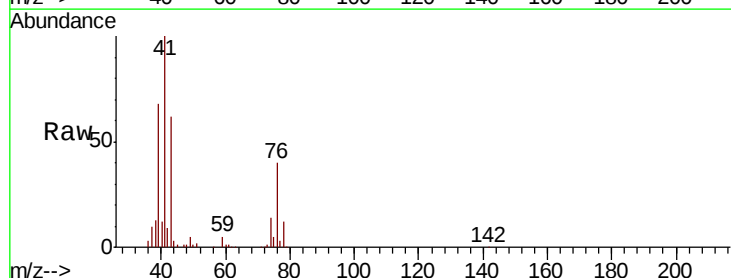
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

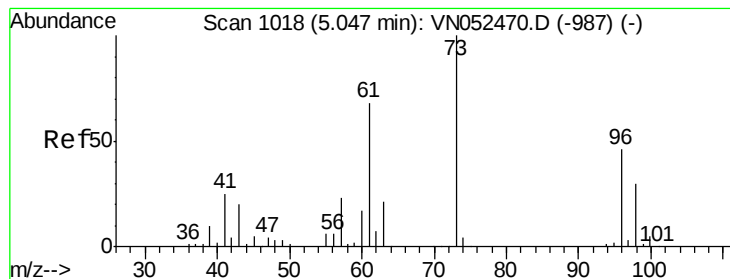
Tot Ion: 76 Resp: 466877
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 22.000 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 43 Resp: 170155
Ion Ratio Lower Upper
43 100
74 23.1 18.6 27.8



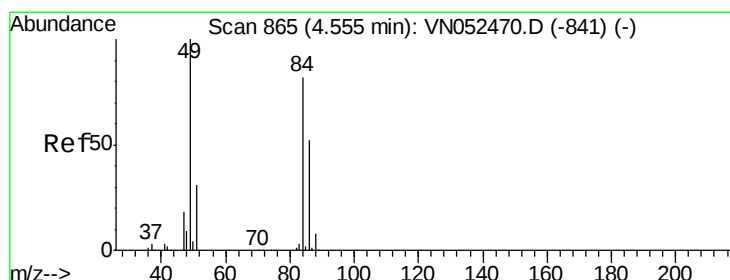
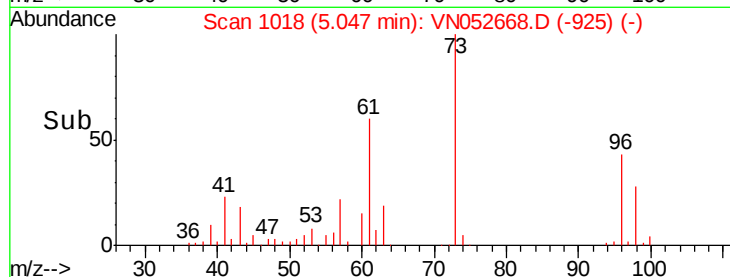
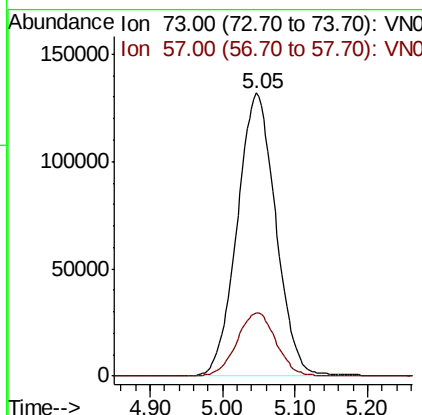
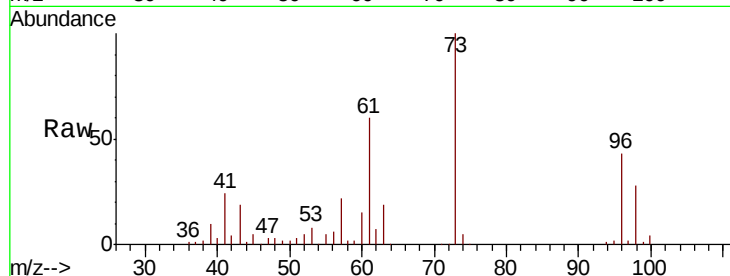


#19

Methyl tert-butyl Ether
 Concen: 20.835 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

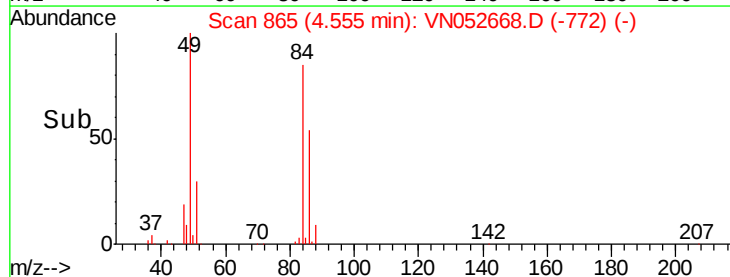
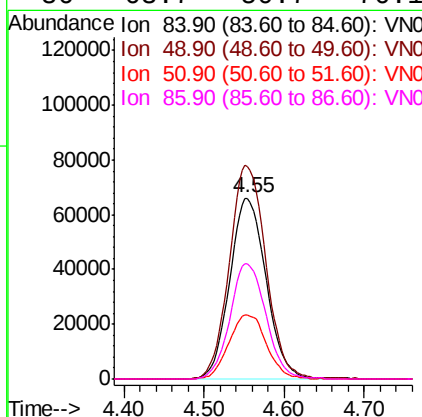
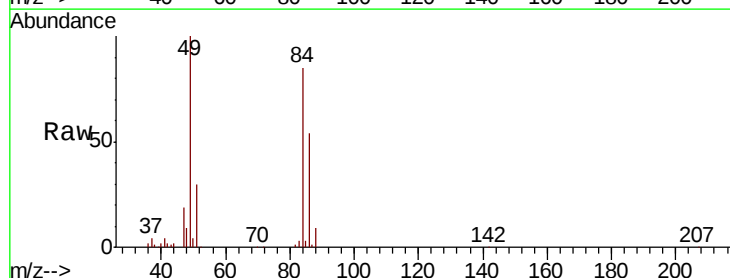
Tot Ion: 73 Resp: 487553
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.2 27.2

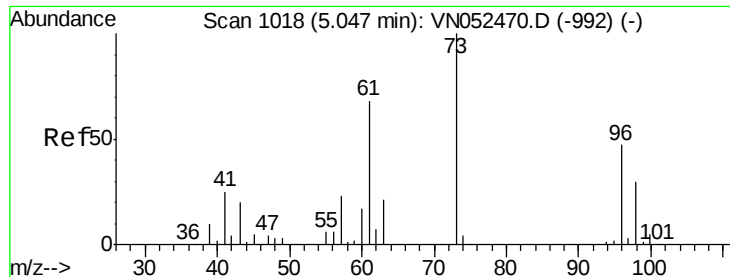


#20

Methylene Chloride
 Concen: 19.313 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 84 Resp: 203784
 Ion Ratio Lower Upper
 84 100
 49 117.9 98.0 147.0
 51 35.6 30.1 45.1
 86 63.7 50.7 76.1

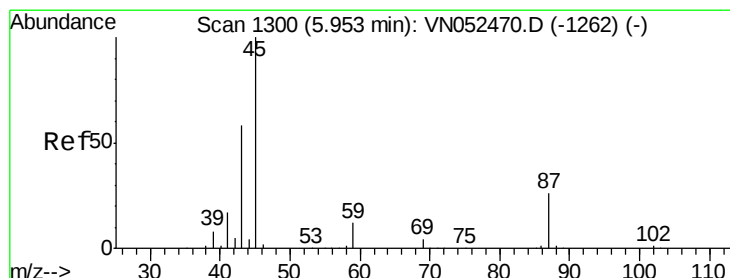
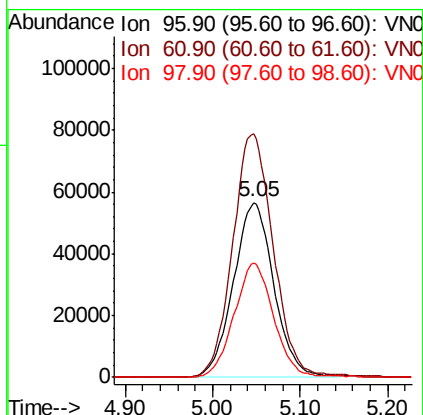
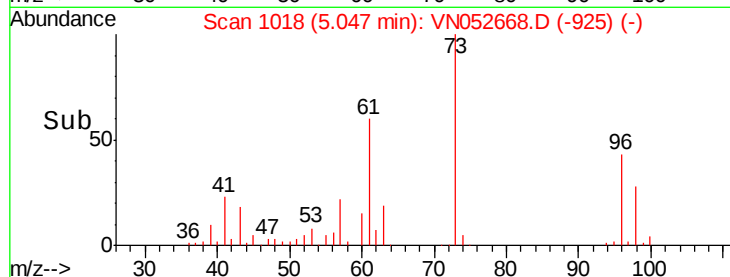
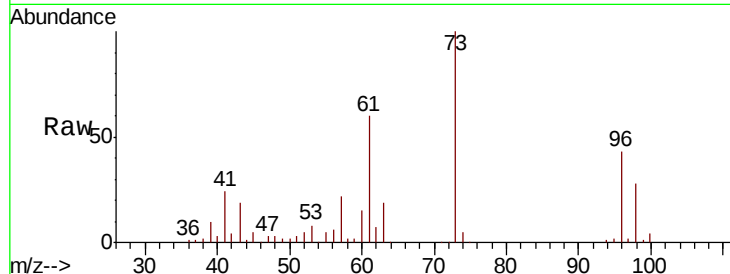




#21
trans-1,2-Dichloroethene
Concen: 19.323 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

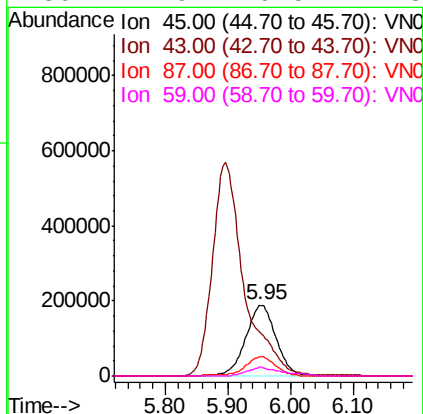
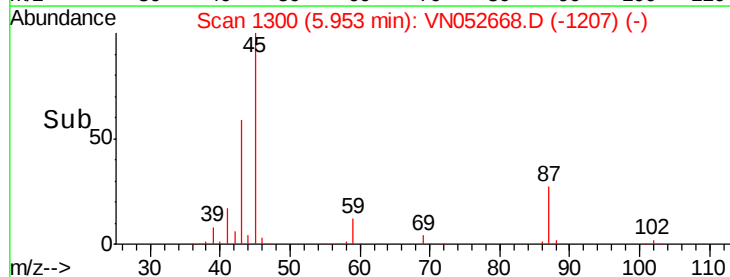
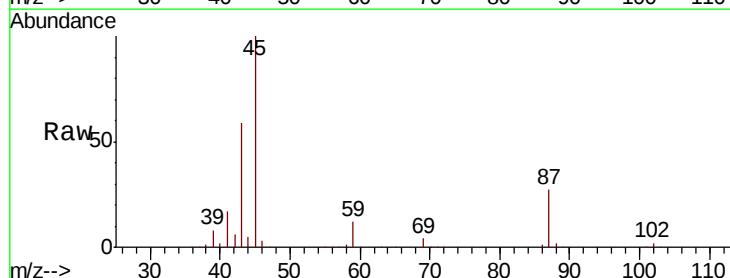
Instrument :
MSVOA_N
ClientSampled :
VN1205WBSD01

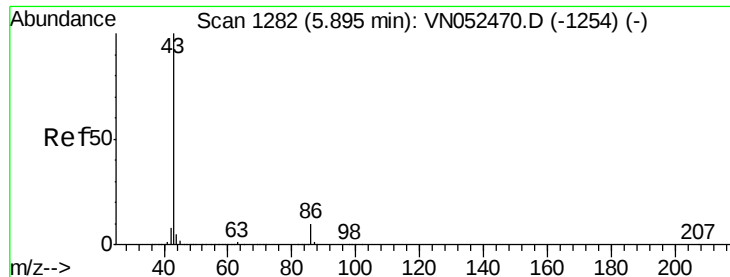
Tot Ion: 96 Resp: 181503
Ion Ratio Lower Upper
96 100
61 139.5 117.0 175.4
98 65.7 51.8 77.6



#22
Diisopropyl ether
Concen: 19.965 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 45 Resp: 635671
Ion Ratio Lower Upper
45 100
43 57.7 46.1 69.1
87 26.5 21.3 31.9
59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 100.314 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

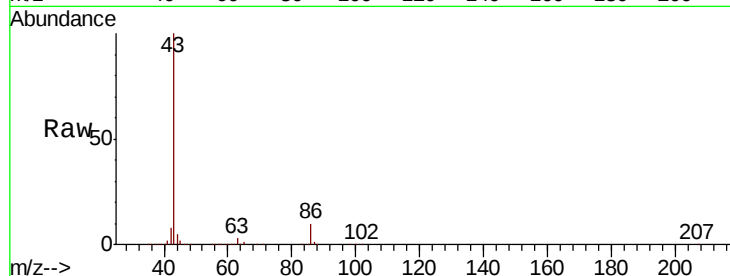
VN1205WBSD01

Tot Ion: 43 Resp: 1989405

Ion Ratio Lower Upper

43 100

86 9.9 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)

5.90

600000

500000

400000

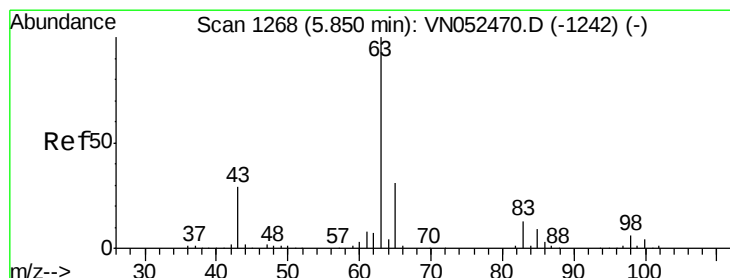
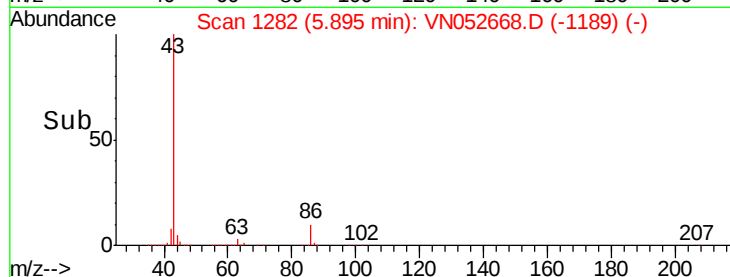
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.868 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

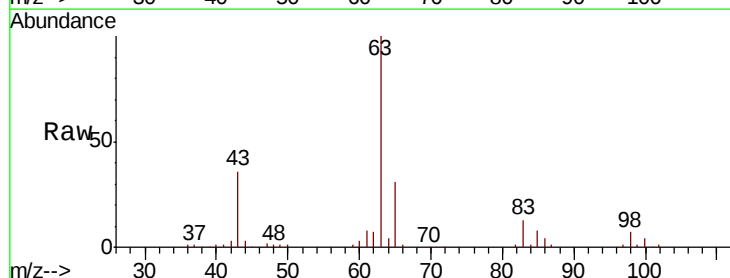
Tgt Ion: 63 Resp: 361194

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

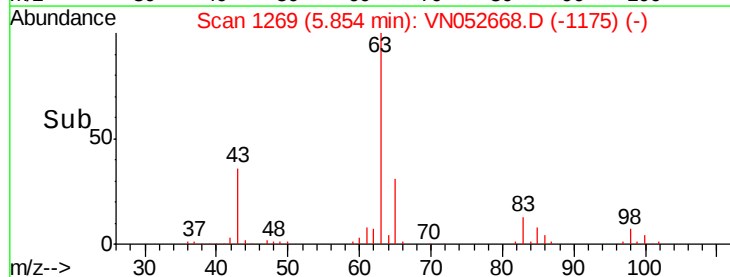
150000

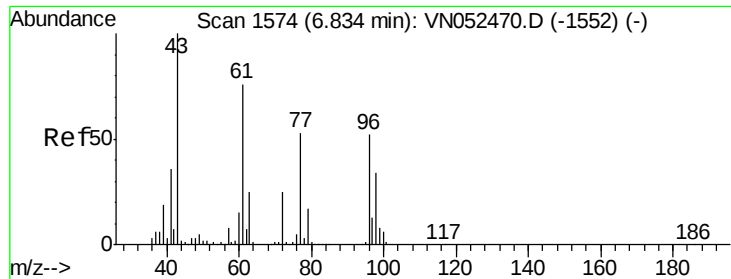
100000

50000

0

Time--> 5.70 5.80 5.90 6.00

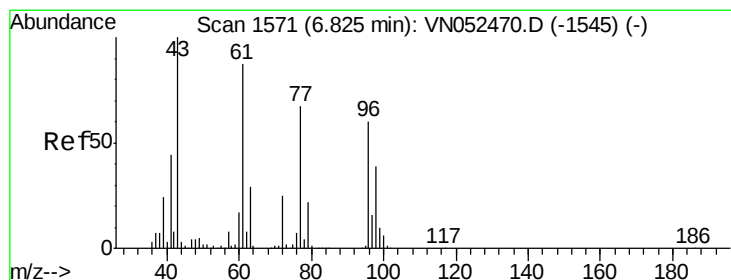
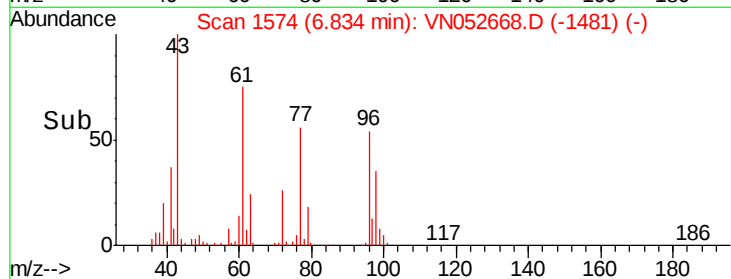
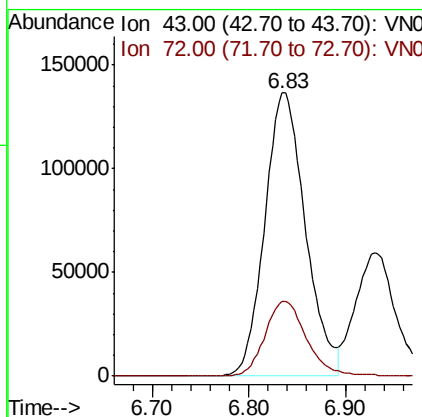
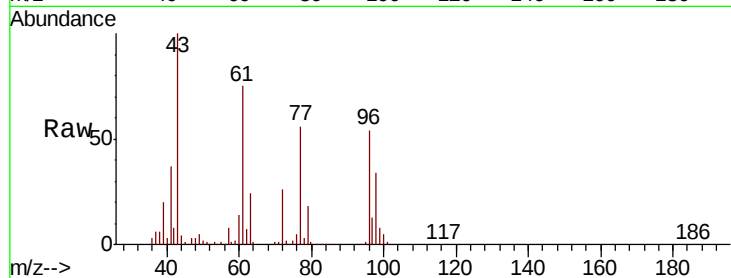




#25
2-Butanone
Concen: 104.461 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

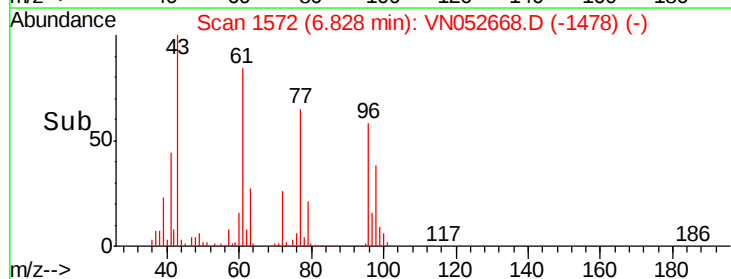
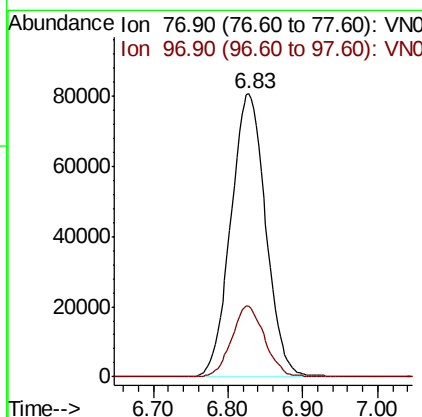
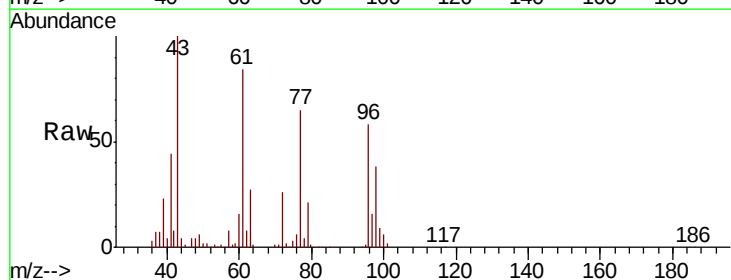
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

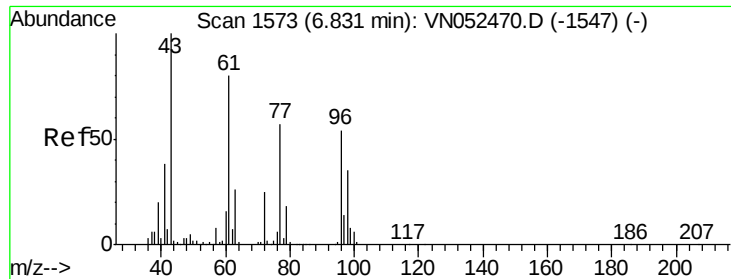
Tot Ion: 43 Resp: 399231
Ion Ratio Lower Upper
43 100
72 26.3 20.1 30.1



#26
2,2-Dichloropropane
Concen: 20.754 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 77 Resp: 261149
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.708 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

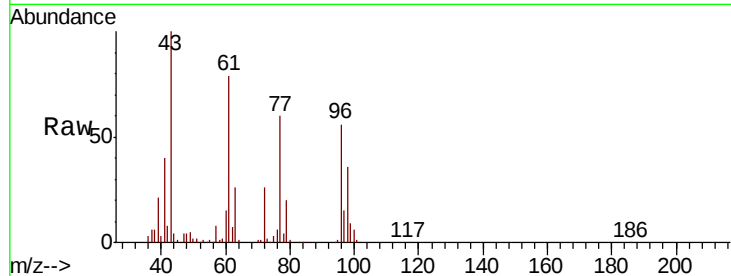
Tot Ion: 96 Resp: 215645

Ion Ratio Lower Upper

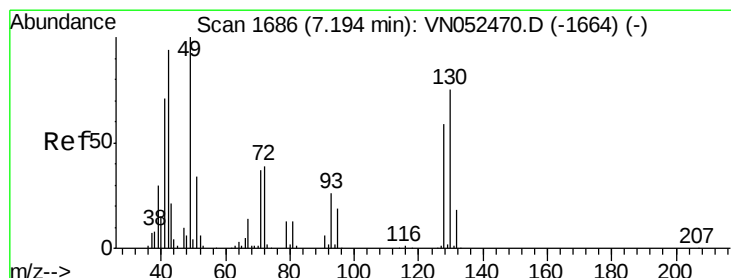
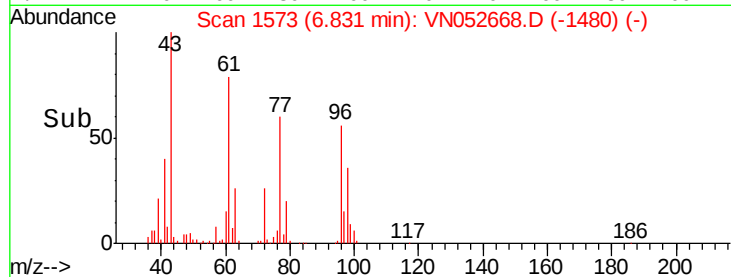
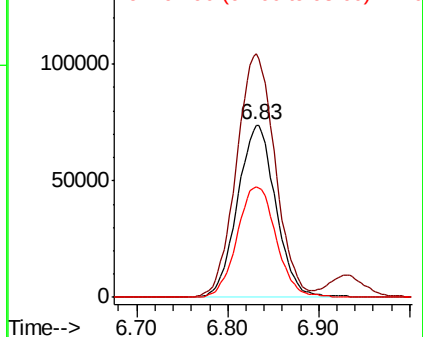
96 100

61 143.4 0.0 291.0

98 65.5 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 20.464 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

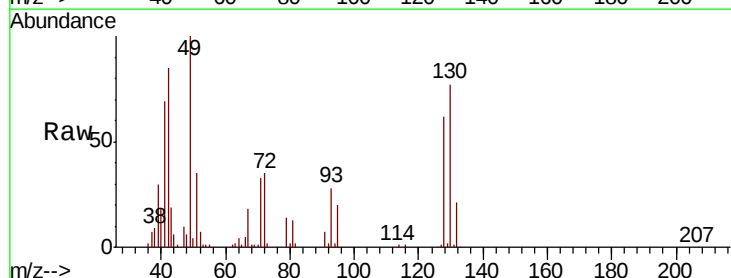
Tgt Ion: 49 Resp: 169923

Ion Ratio Lower Upper

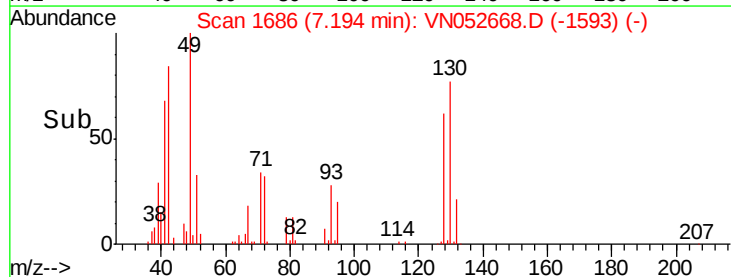
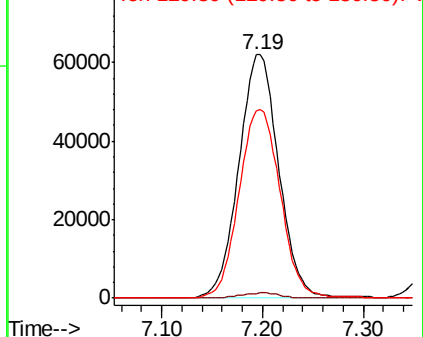
49 100

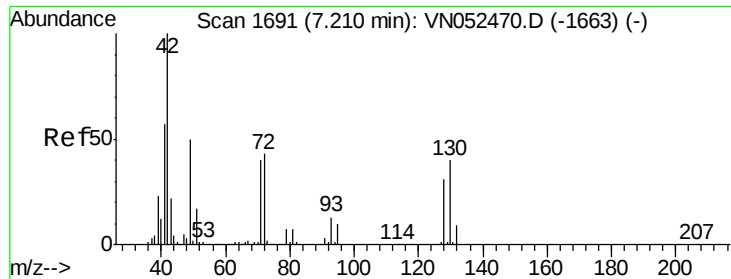
129 2.0 0.0 3.8

130 80.5 60.2 90.2



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

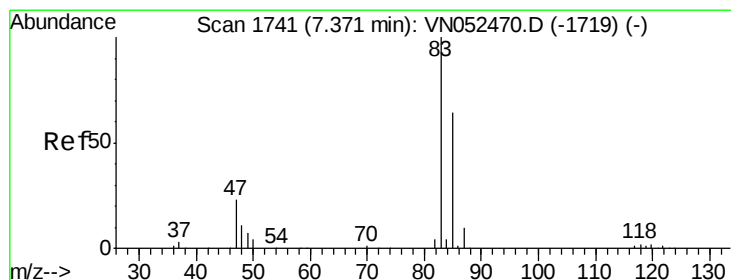
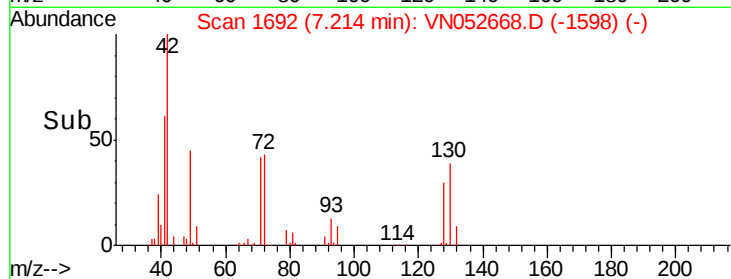
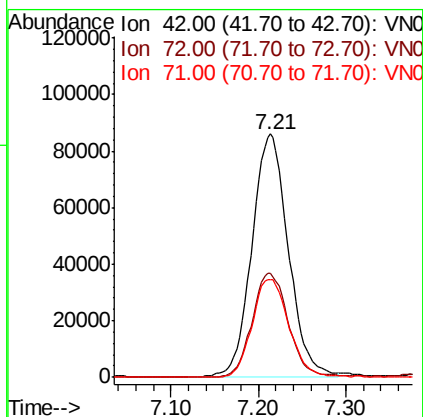
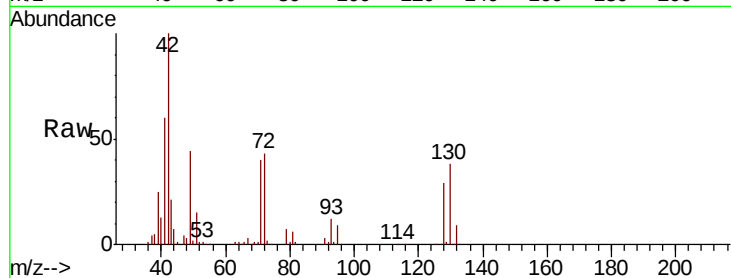




#29
Tetrahydrofuran
Concen: 100.069 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

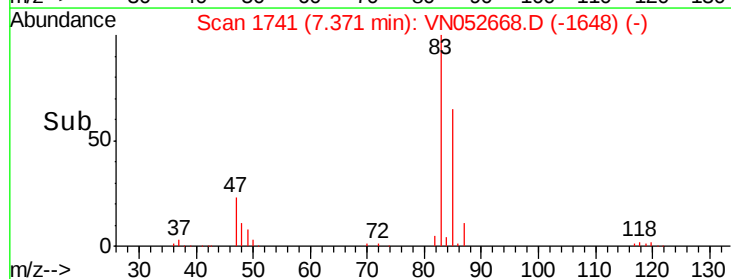
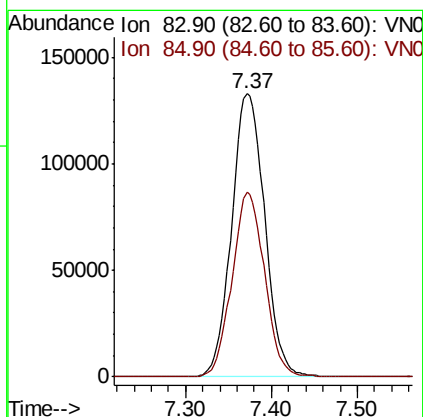
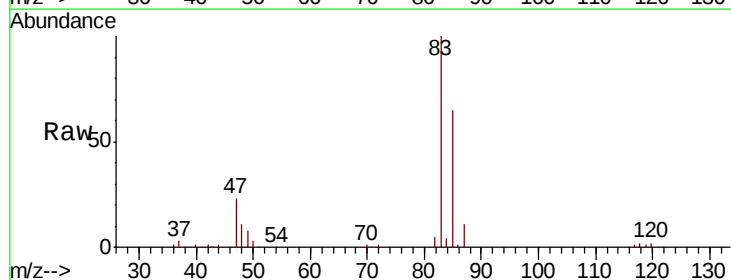
Instrument :
MSVOA_N
ClientSampled :
VN1205WBSD01

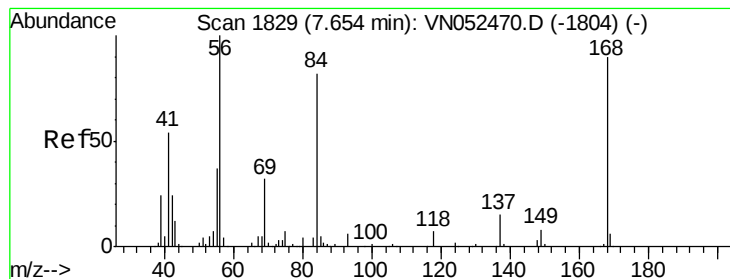
Tot Ion: 42 Resp: 246676
Ion Ratio Lower Upper
42 100
72 43.1 33.3 49.9
71 41.0 32.0 48.0



#30
Chloroform
Concen: 19.580 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 83 Resp: 355135
Ion Ratio Lower Upper
83 100
85 65.4 51.0 76.4





#31

Cyclohexane

Concen: 18.366 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

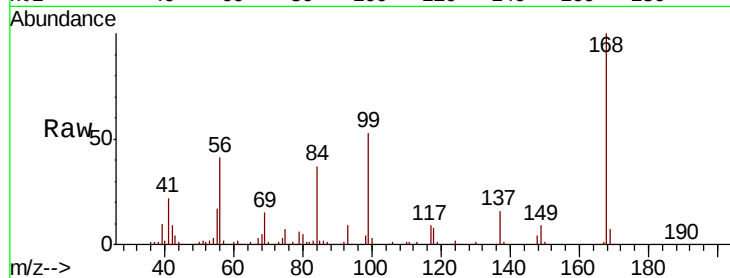
Tot Ion: 56 Resp: 327229

Ion Ratio Lower Upper

56 100

69 36.5 25.8 38.6

84 87.5 65.3 97.9

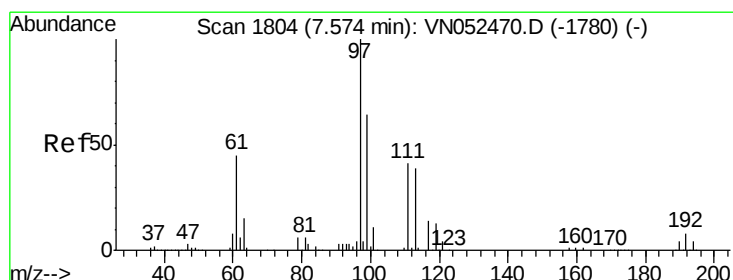
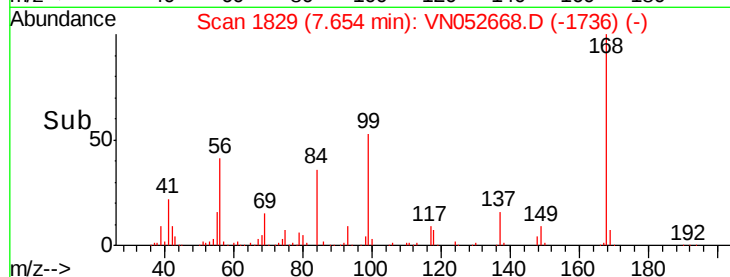
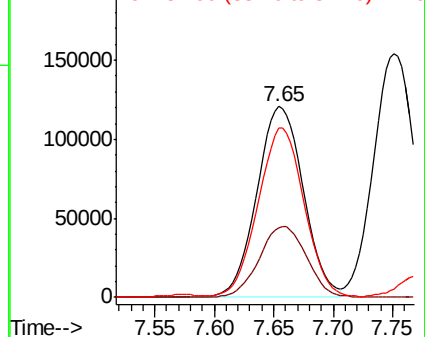


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.243 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

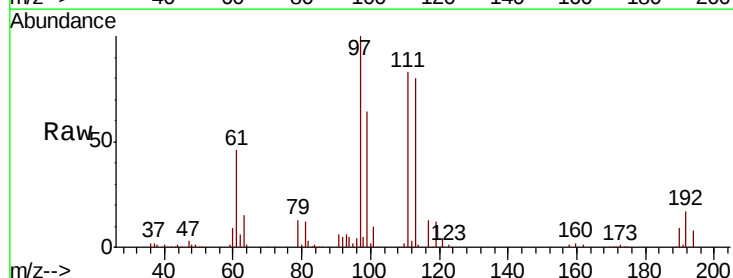
Tgt Ion: 97 Resp: 290905

Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

61 45.1 36.8 55.2

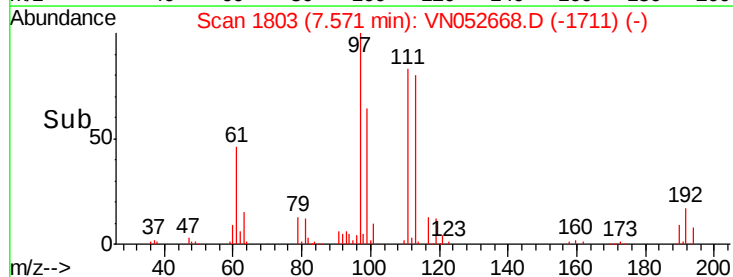
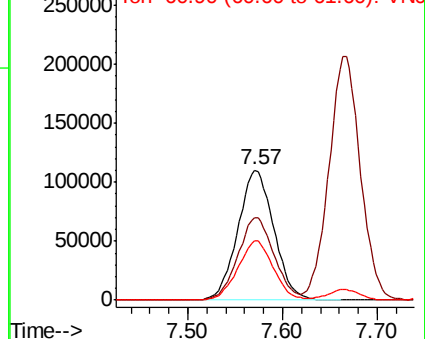


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

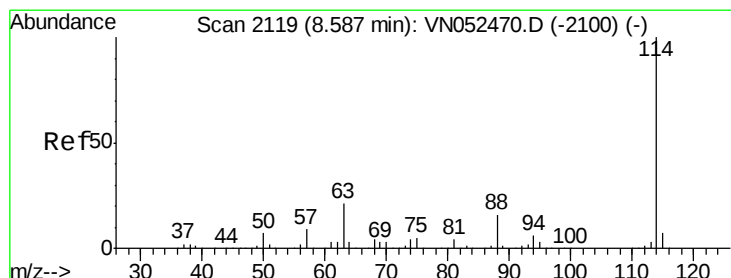
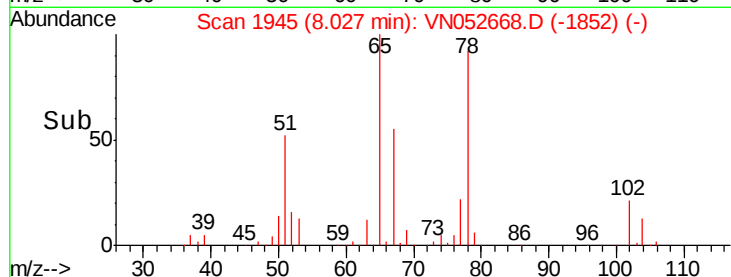
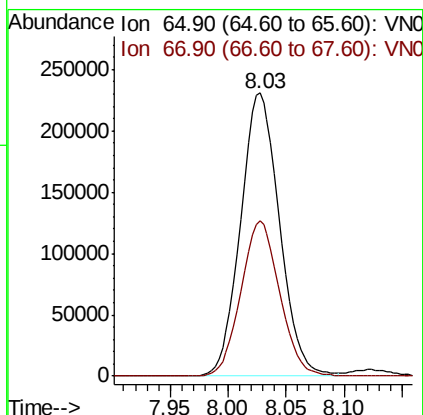
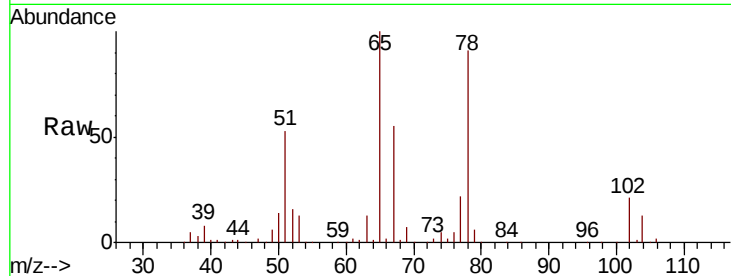




#33
 1,2-Dichloroethane-d4
 Concen: 20.243 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

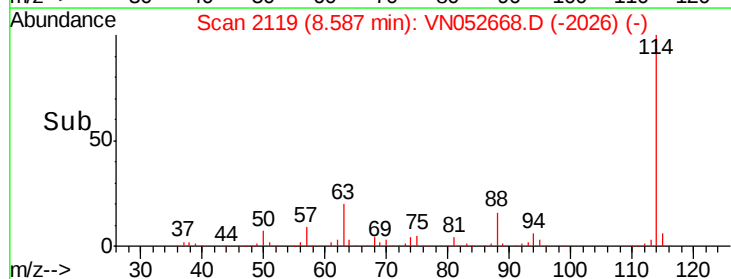
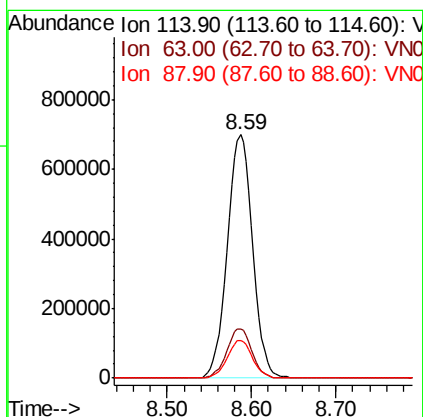
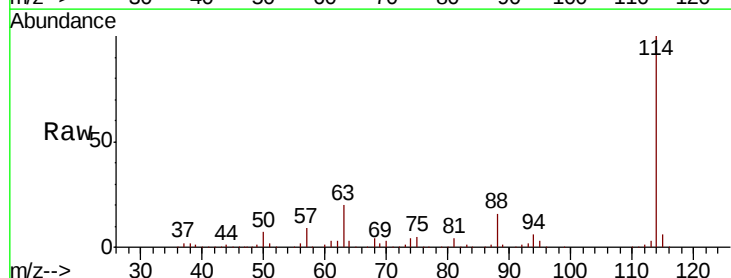
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

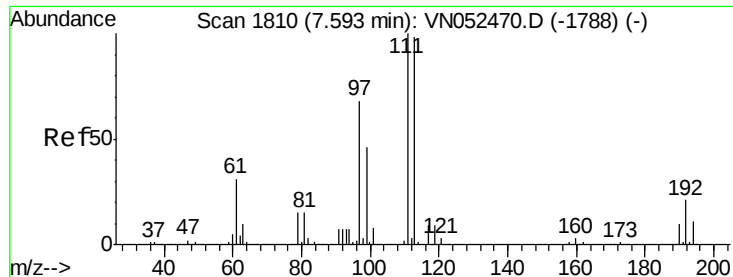
Tot Ion: 65 Resp: 539874
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 114 Resp: 1454806
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.6 0.0 31.6

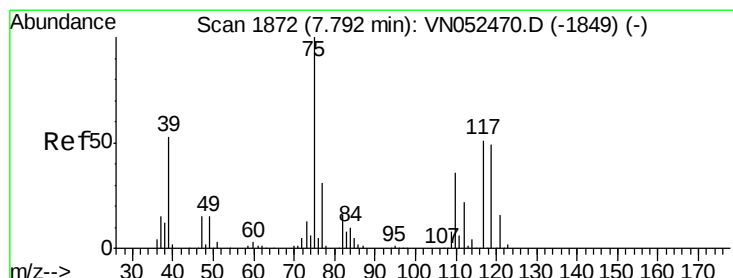
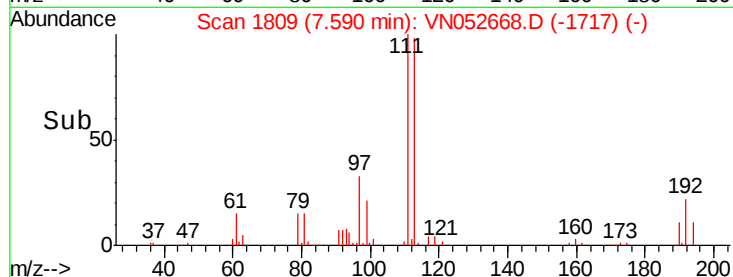
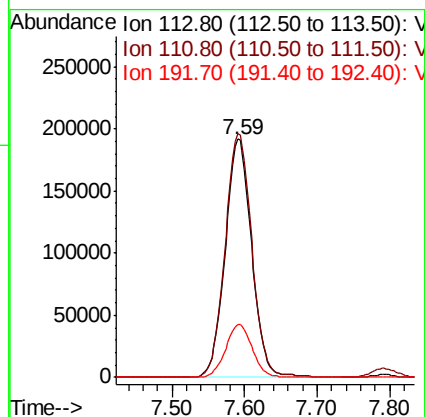
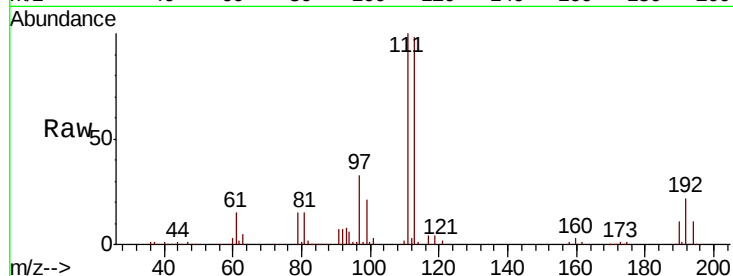




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

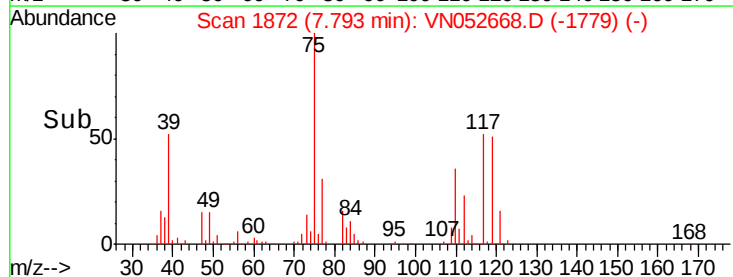
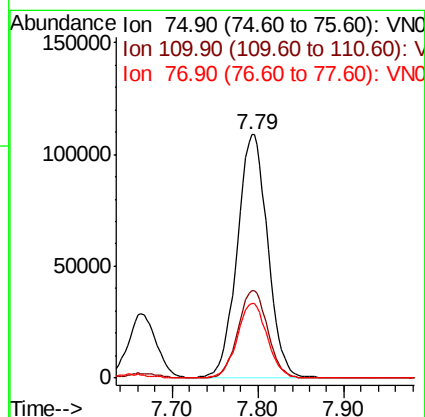
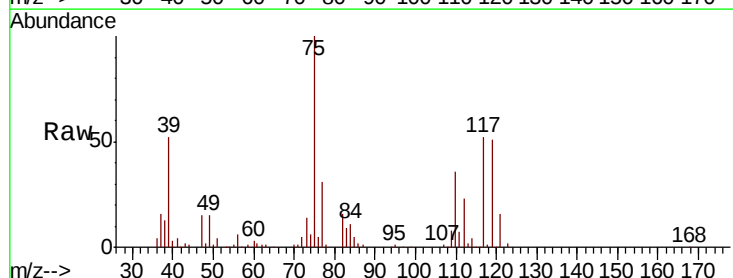
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1205WBSD01

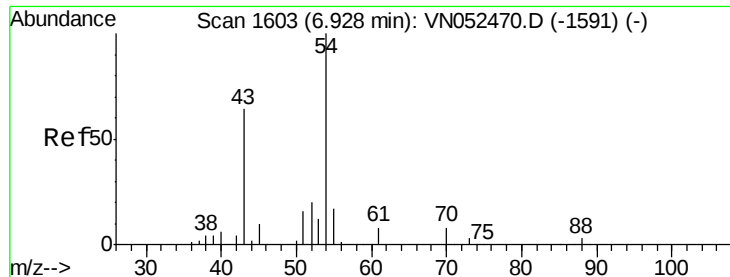
Tot Ion:113 Resp: 485653
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.0 123.0
 192 22.2 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 19.418 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 75 Resp: 266772
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.5 52.6
 77 30.7 24.5 36.7

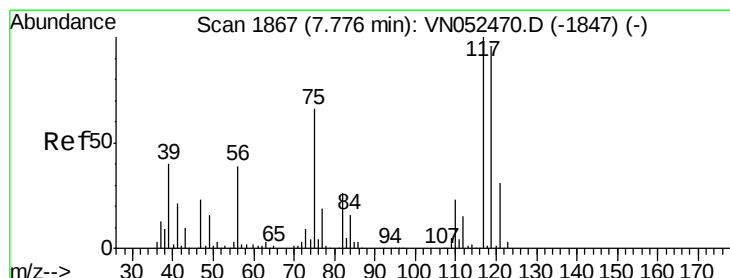
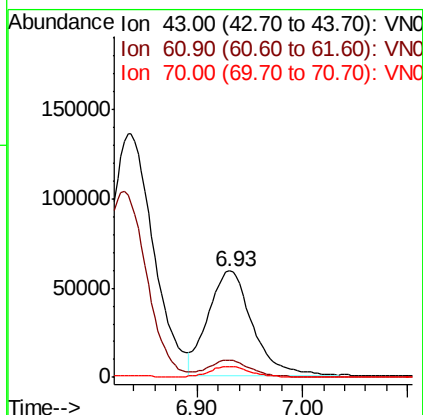
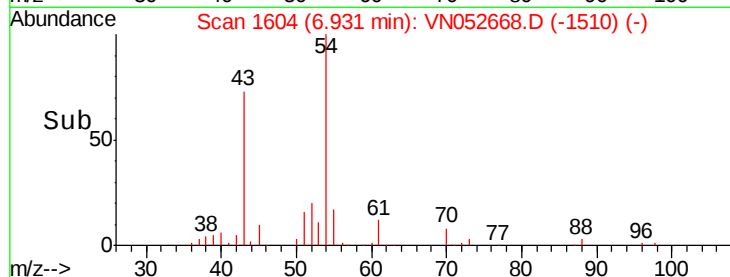
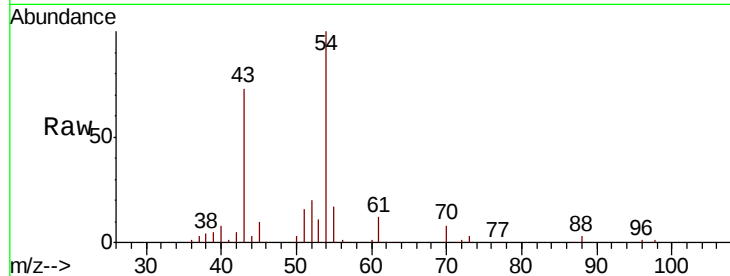




#37
Ethyl Acetate
Concen: 20.454 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

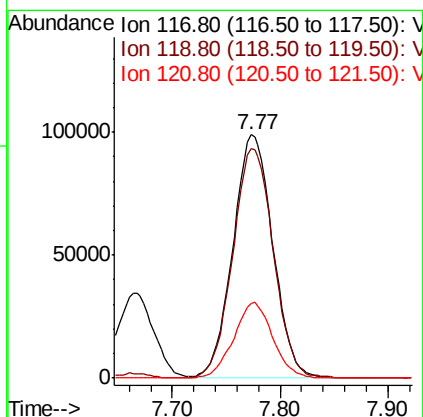
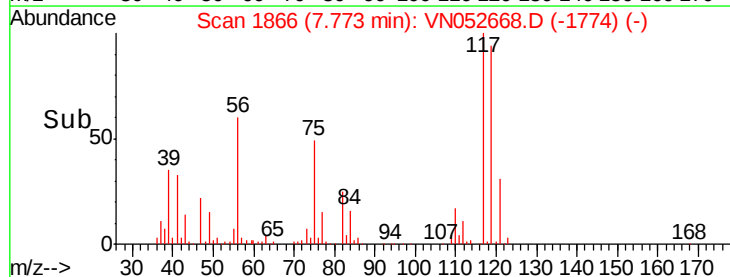
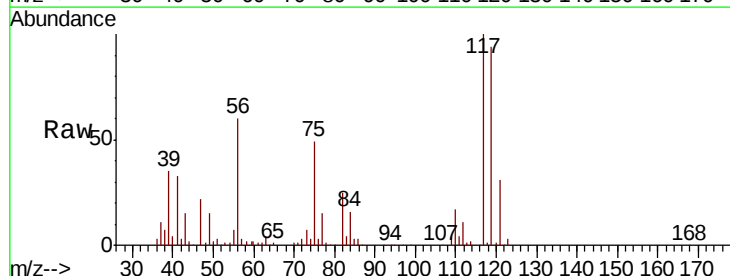
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

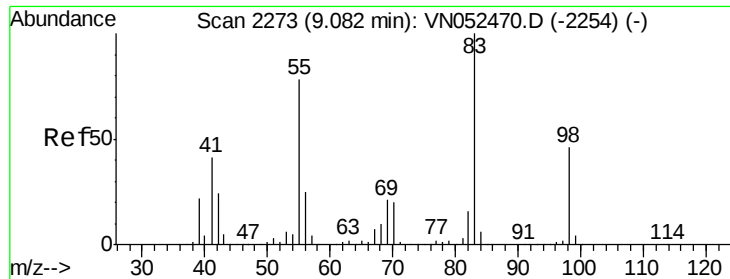
Tot Ion: 43 Resp: 171495
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.8
70 9.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.349 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 117 Resp: 253068
Ion Ratio Lower Upper
117 100
119 94.2 76.8 115.2
121 30.7 24.9 37.3

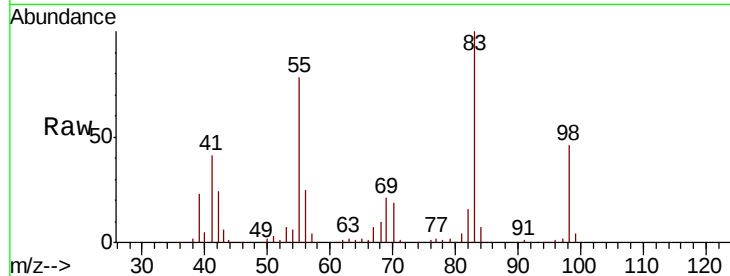




#39
Methvlcvclohexane
Concen: 18.759 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion	83.00	Resp	313233
Ion	Ratio	Lower	Upper
83	100		
55	78.4	62.2	93.2
98	45.6	36.4	54.6

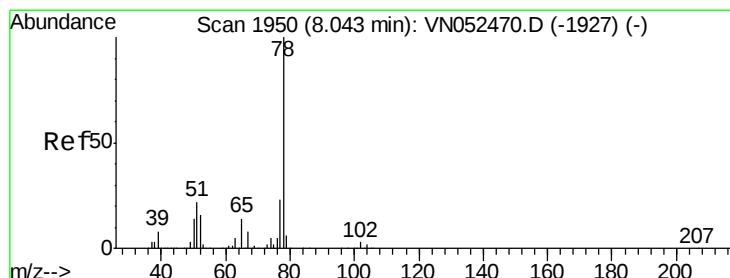
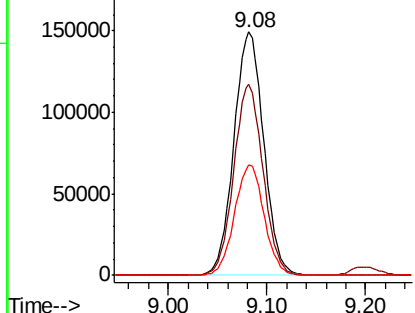
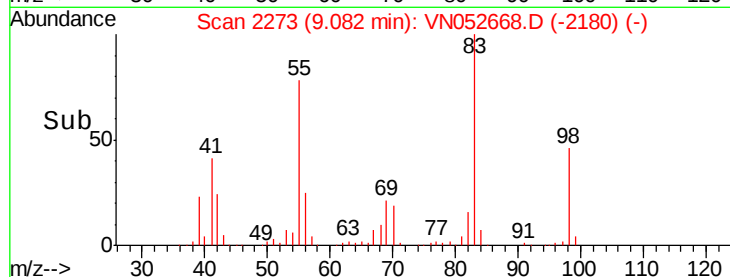


Abundance

Ion 83.00 (82.70 to 83.70): VN0

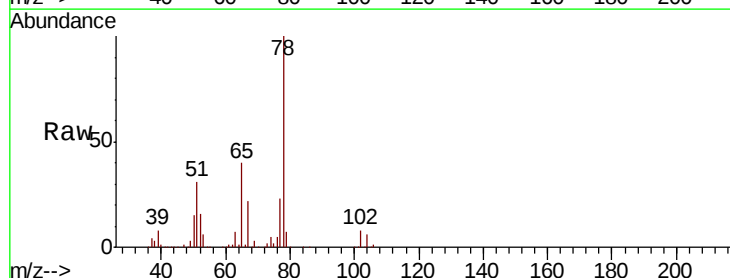
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.741 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

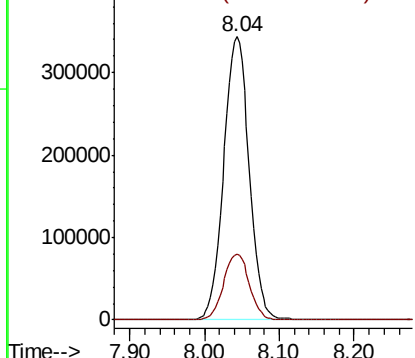
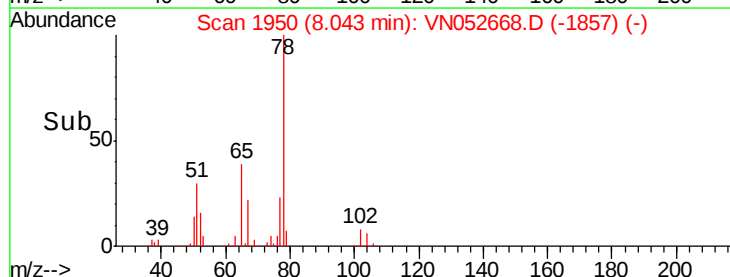
Tgt Ion	78.00	Resp	808250
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

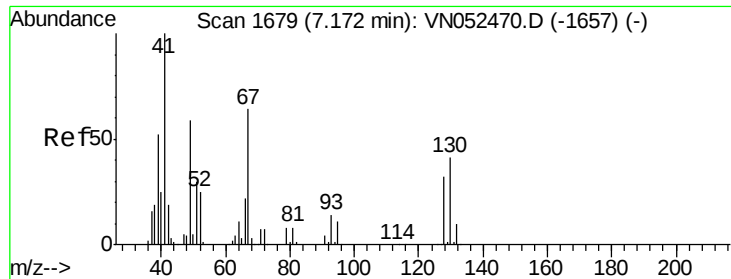


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

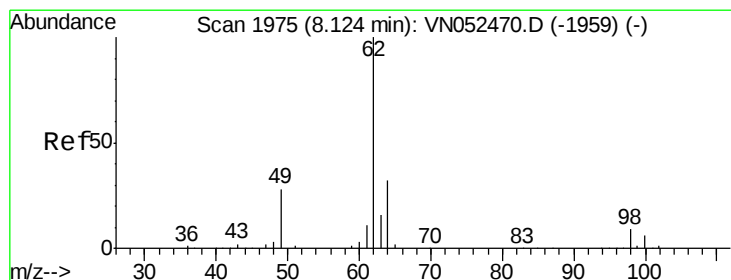
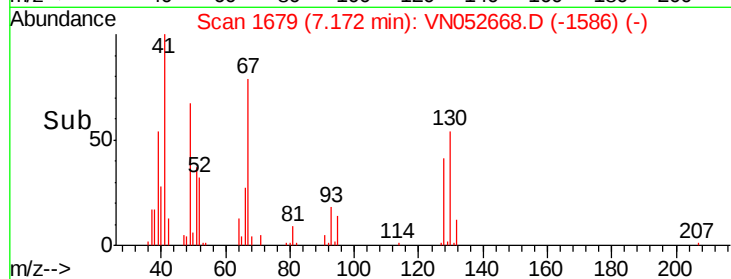
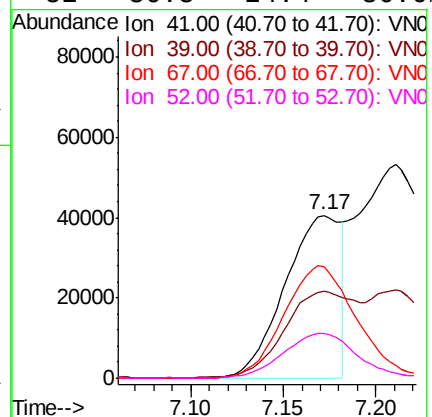
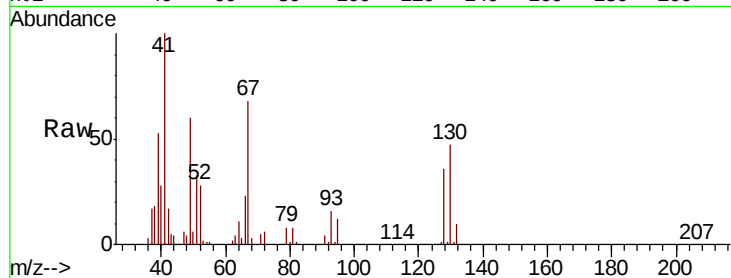




#41
Methacrylonitrile
Concen: 18.677 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

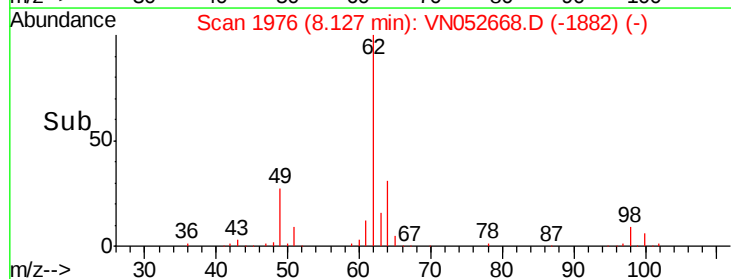
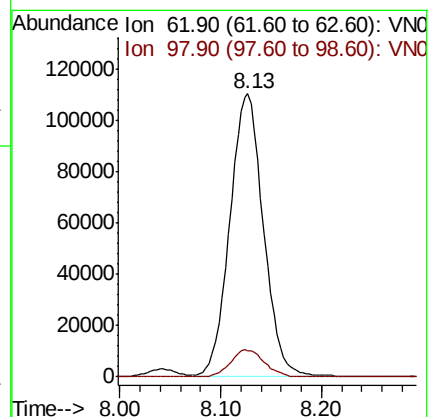
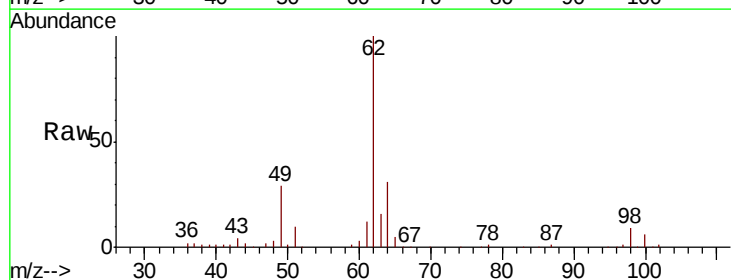
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

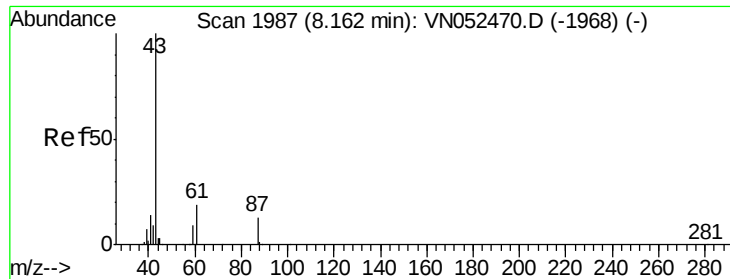
Tot Ion: 41 Resp: 85613
Ion Ratio Lower Upper
41 100
39 71.1 50.9 76.3
67 91.0 63.6 95.4
52 36.8 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 20.527 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 62 Resp: 254475
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.612 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

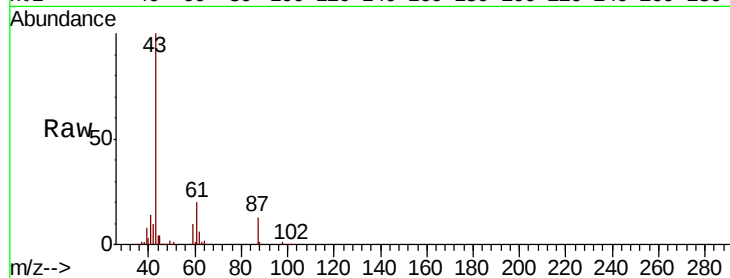
MSVOA_N

ClientSampled :

VN1205WBSD01

Tot Ion: 43 Resp: 306643

Ion	Ratio	Lower	Upper
43	100		
61	20.1	24.1	36.1#
87	13.1	10.6	15.8

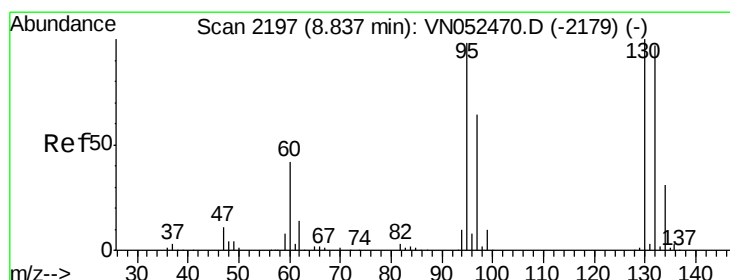
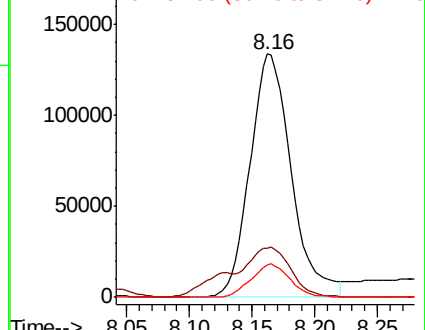
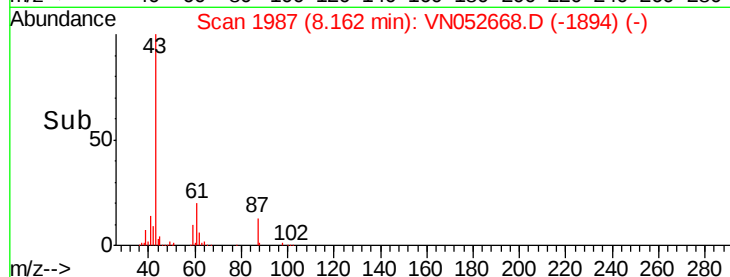


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 20.072 ug/l

RT: 8.84 min Scan# 2197

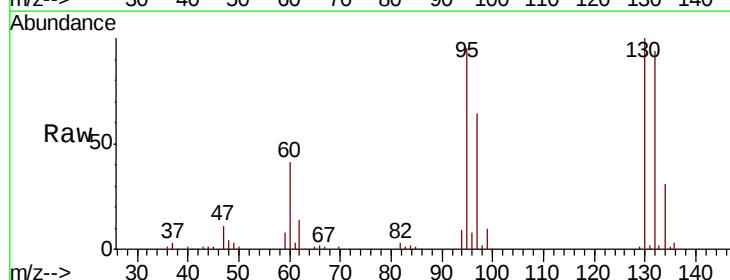
Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Tgt Ion: 130 Resp: 210503

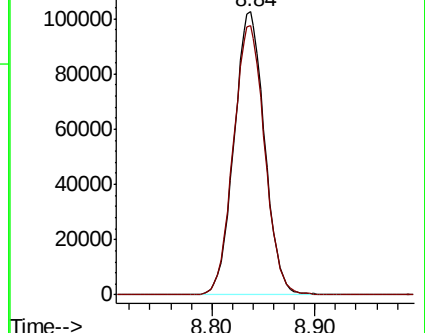
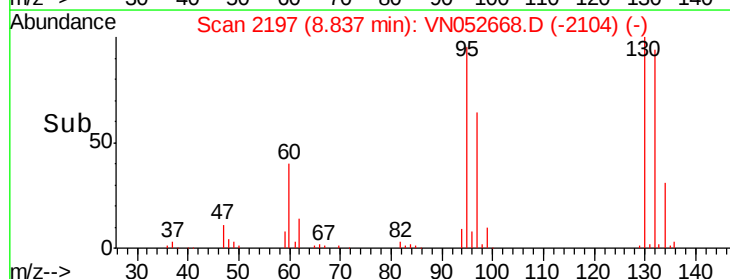
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	195.6

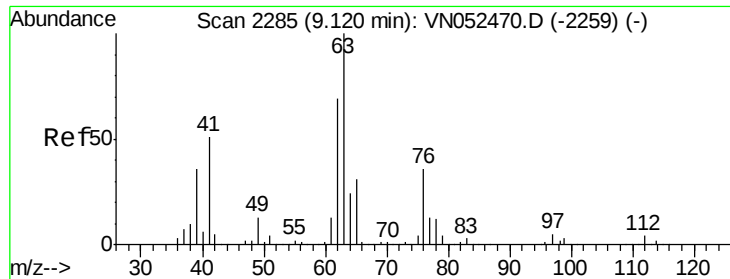


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

Time-->

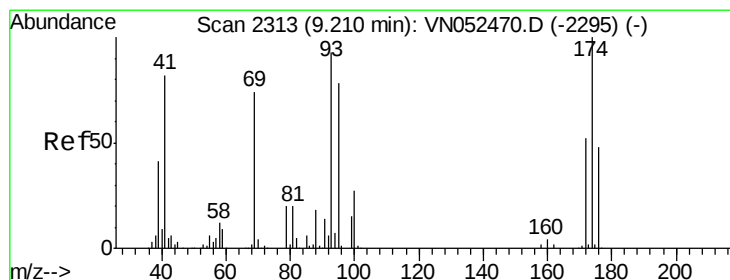
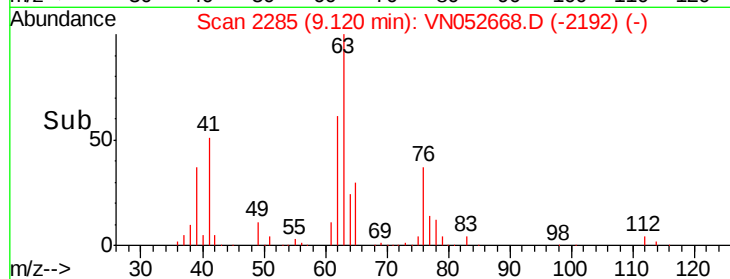
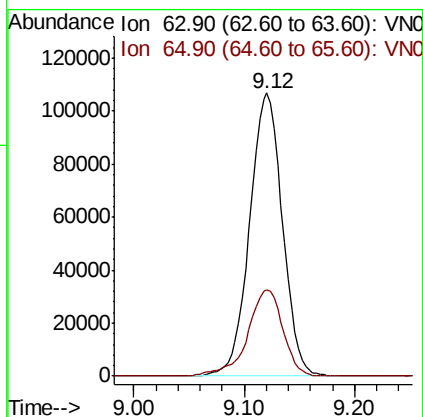
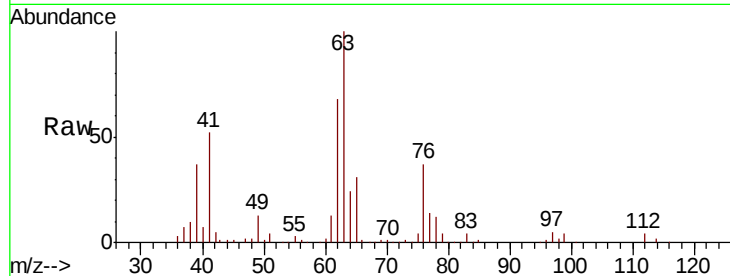




#45
 1,2-Dichloropropane
 Concen: 20.237 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

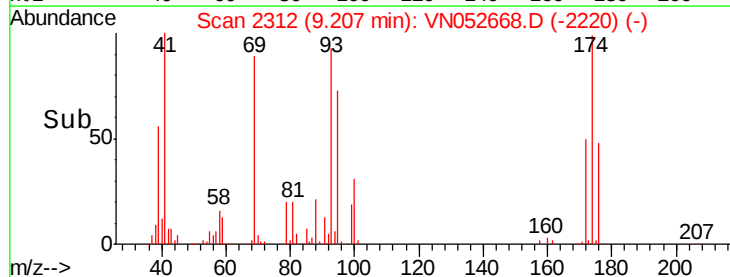
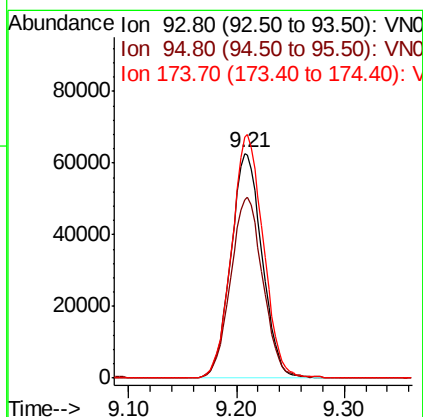
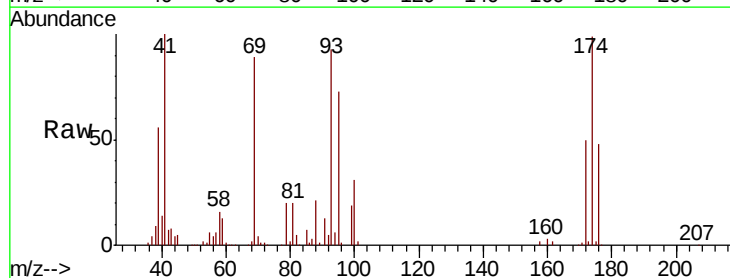
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

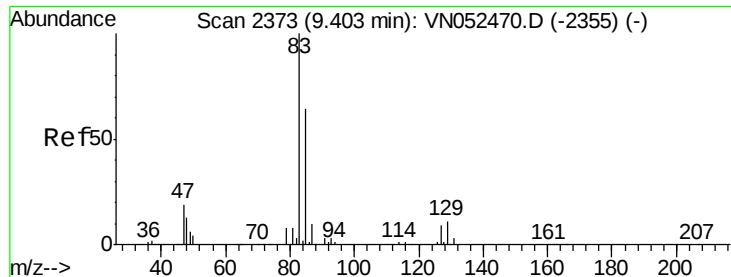
Tot Ion: 63 Resp: 220283
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6



#46
 Dibromomethane
 Concen: 21.087 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 93 Resp: 127067
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.1 100.7
 174 109.4 85.8 128.8

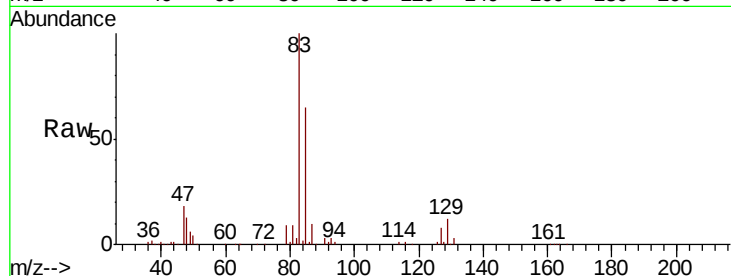




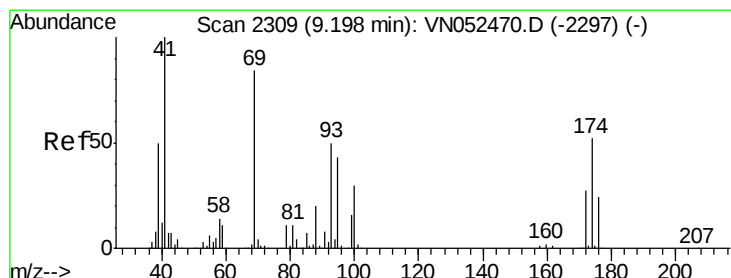
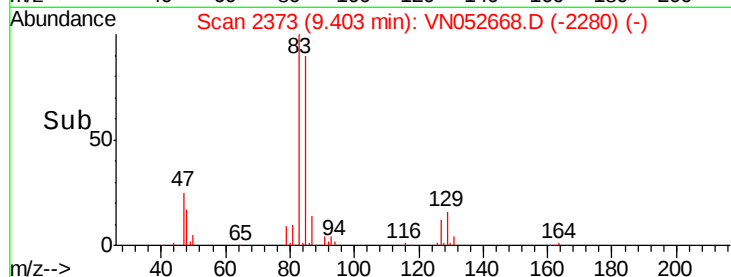
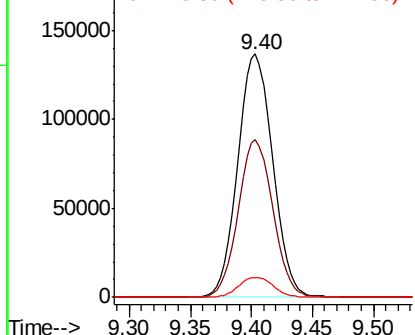
#47
Bromodichloromethane
Concen: 20.719 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion: 83 Resp: 271438
Ion Ratio Lower Upper
83 100
85 64.6 51.3 76.9
127 8.3 6.9 10.3

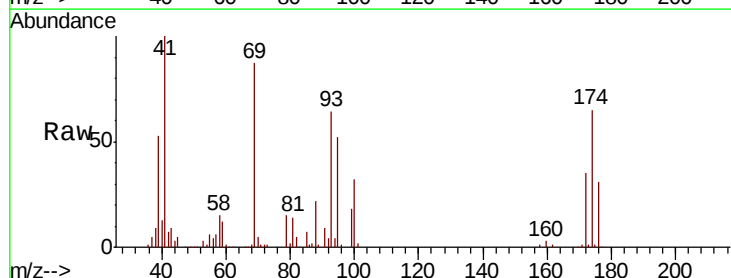


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

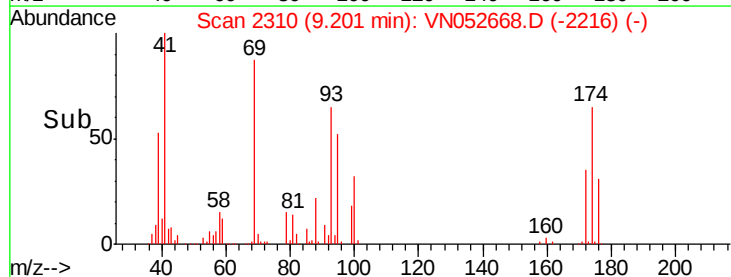
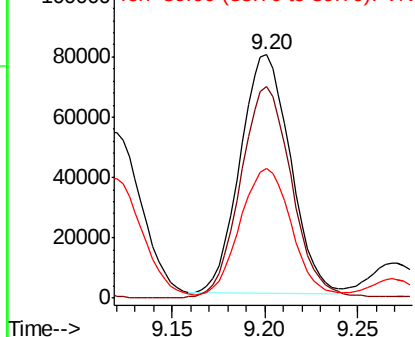


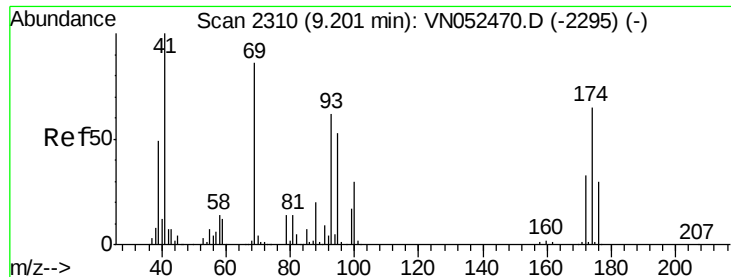
#48
Methyl methacrylate
Concen: 20.206 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 41 Resp: 149490
Ion Ratio Lower Upper
41 100
69 90.5 70.0 105.0
39 56.0 42.6 64.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 471.902 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

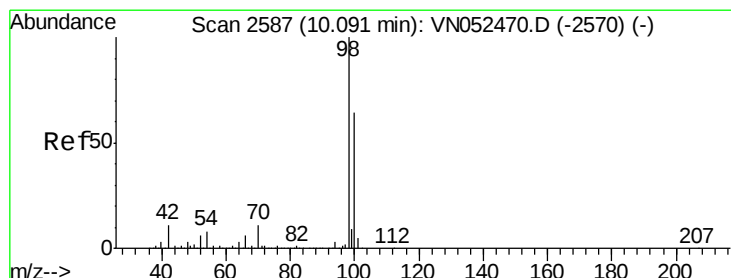
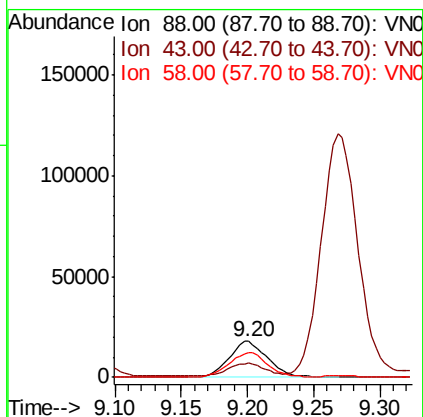
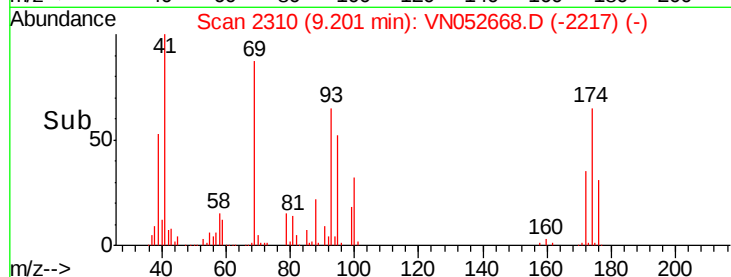
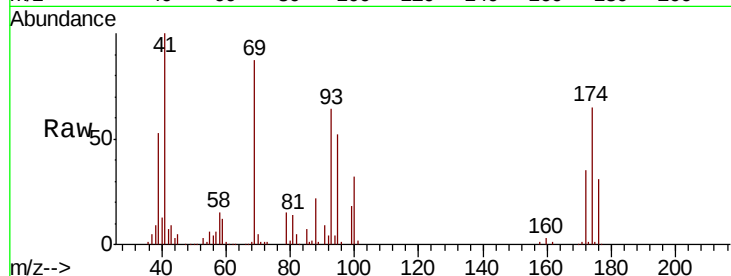
Tot Ion: 88 Resp: 36234

Ion Ratio Lower Upper

88 100

43 34.7 26.4 39.6

58 68.9 55.4 83.0



#50

Toluene-d8

Concen: 471.902 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052668.D

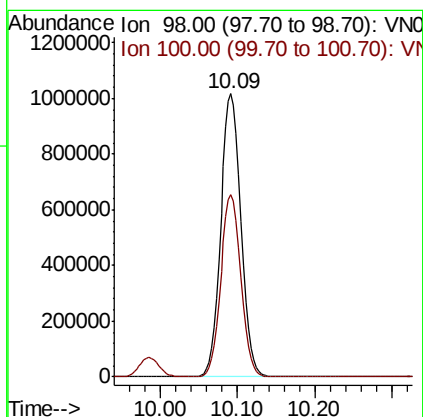
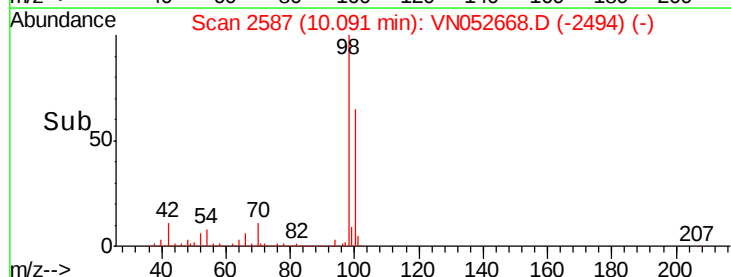
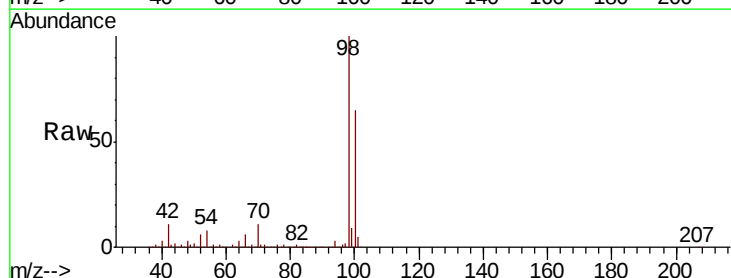
Acq: 5 Dec 2018 11:33

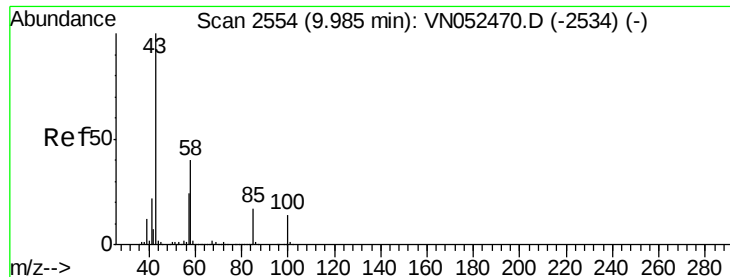
Tgt Ion: 98 Resp: 1848940

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9

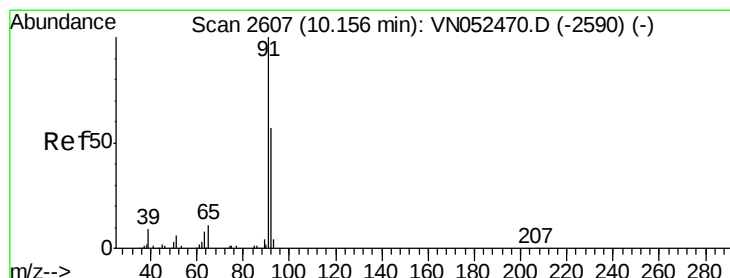
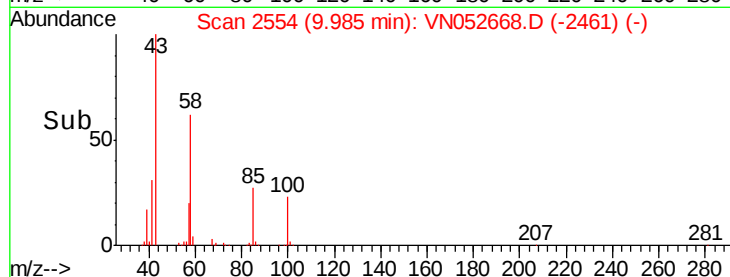
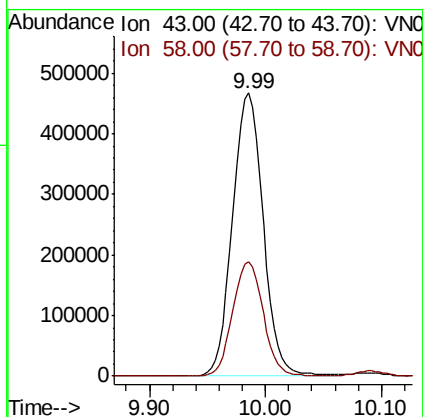
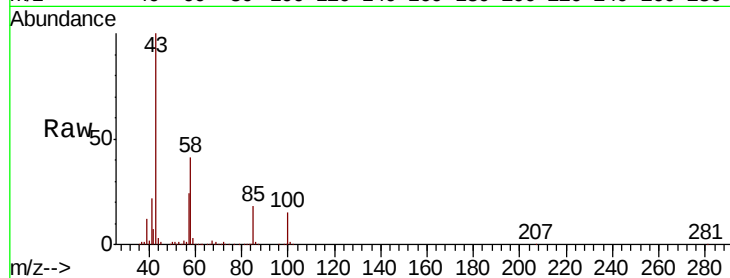




#51
 4-Methyl-2-Pentanone
 Concen: 107.467 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

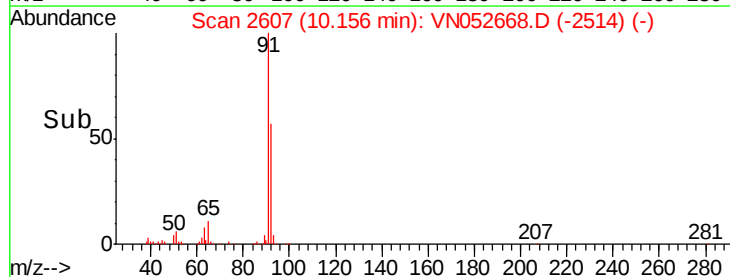
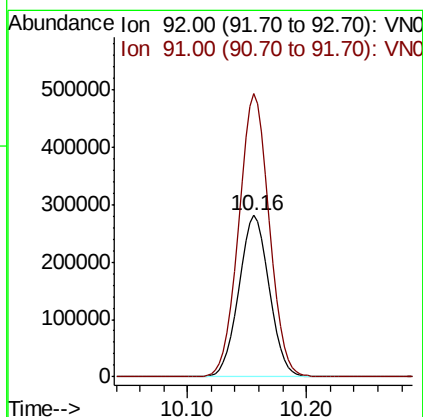
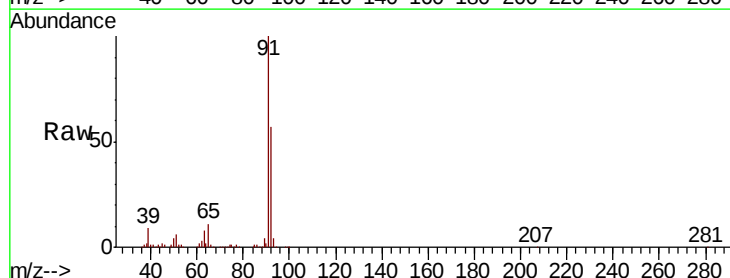
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1205WBSD01

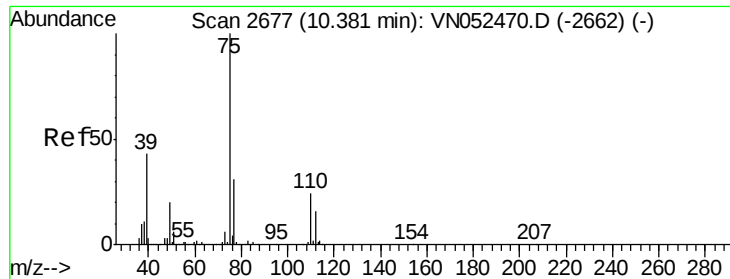
Tot Ion: 43 Resp: 855528
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.5 47.3



#52
 Toluene
 Concen: 20.446 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 92 Resp: 497355
 Ion Ratio Lower Upper
 92 100
 91 175.9 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 20.751 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

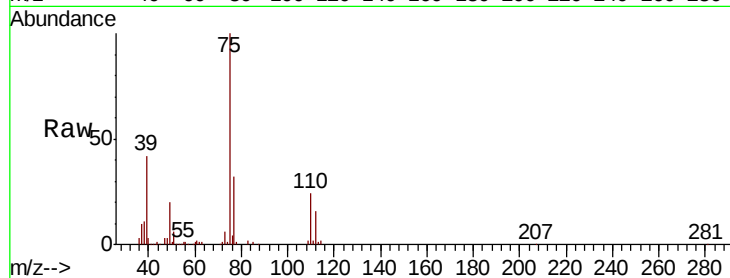
VN1205WBSD01

Tot Ion: 75 Resp: 261531

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

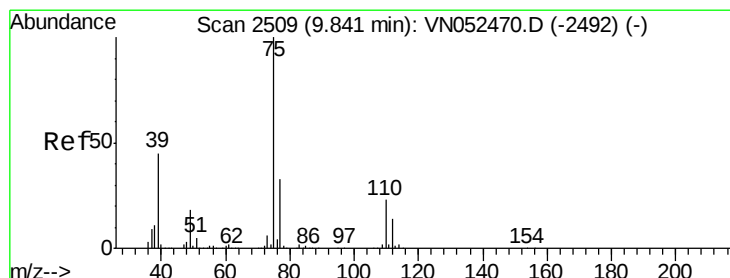
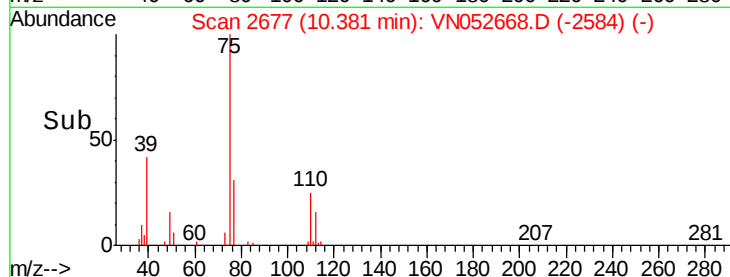
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.510 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

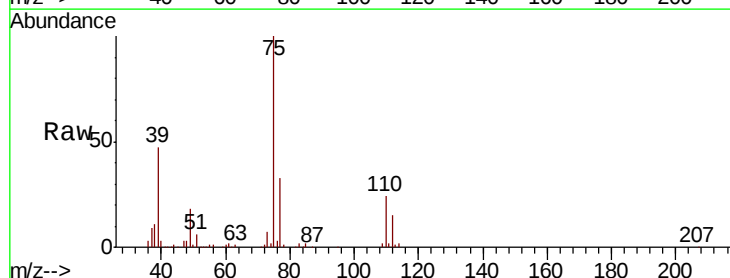
Tgt Ion: 75 Resp: 309782

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

39 46.4 36.0 54.0



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

9.84

200000

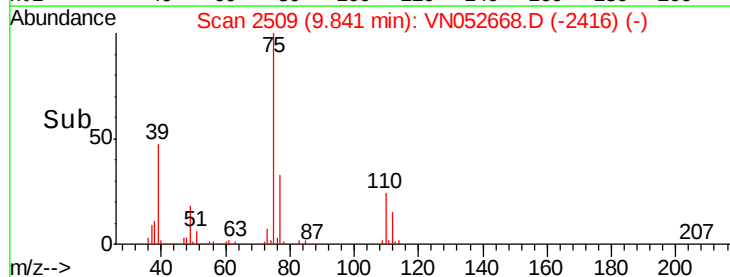
150000

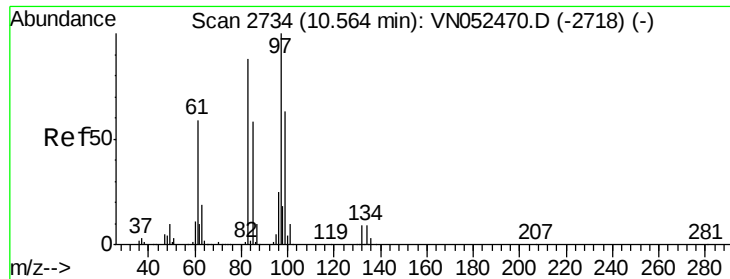
100000

50000

0

Time-->

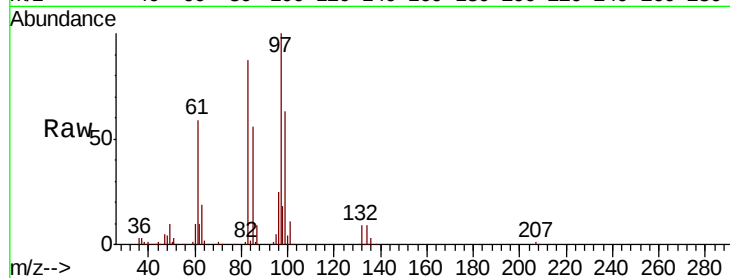




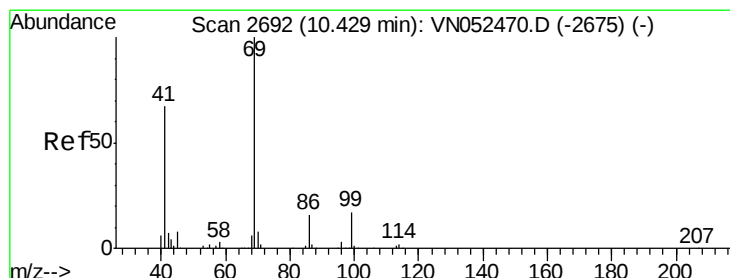
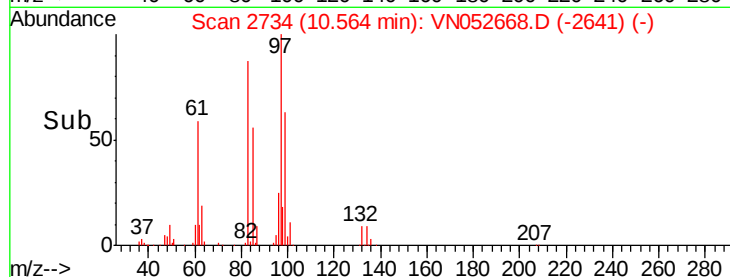
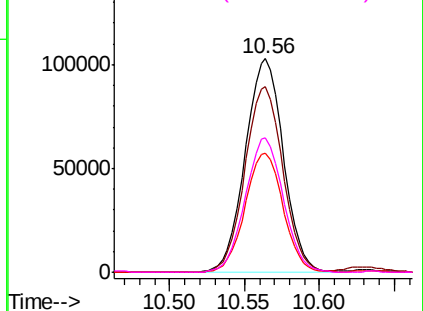
#55
 1,1,2-Trichloroethane
 Concen: 21.346 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Tot Ion: 97 Resp: 182645
 Ion Ratio Lower Upper
 97 100
 83 86.8 70.7 106.1
 85 55.7 46.1 69.1
 99 63.1 50.8 76.2

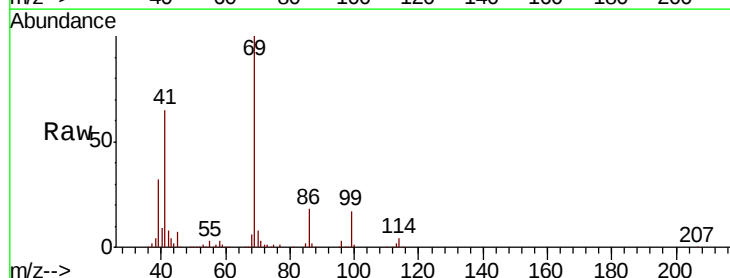


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

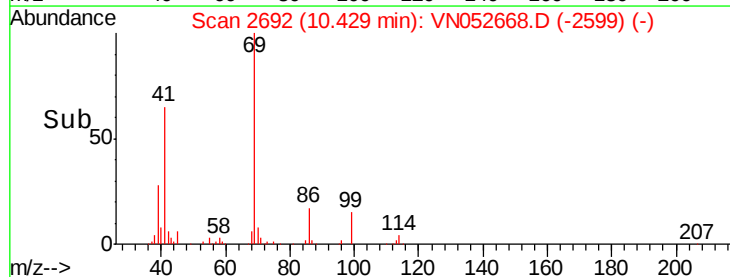
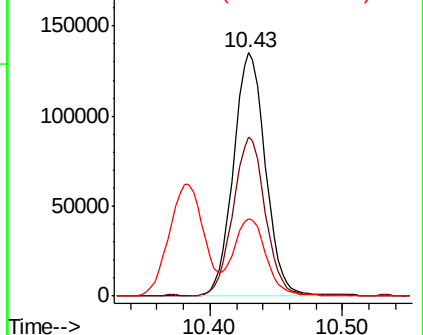


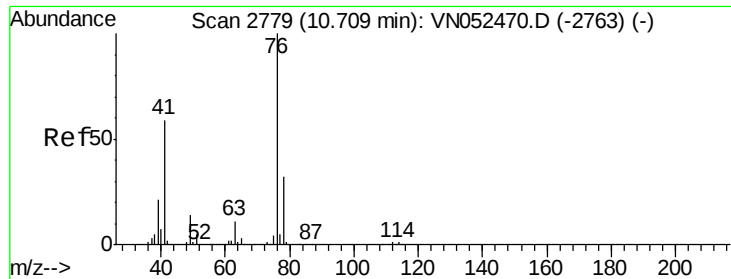
#56
 Ethyl methacrylate
 Concen: 20.809 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 69 Resp: 227501
 Ion Ratio Lower Upper
 69 100
 41 64.9 52.6 79.0
 39 32.4 25.9 38.9



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

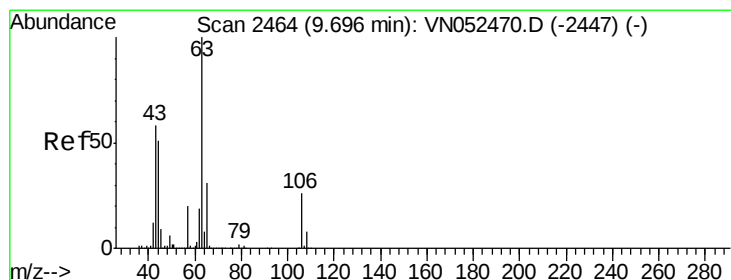
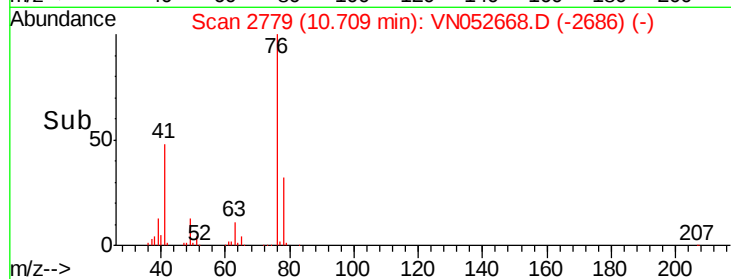
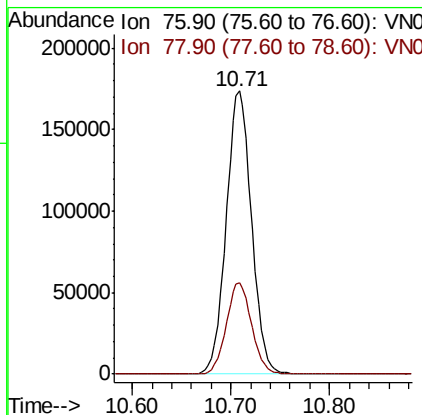
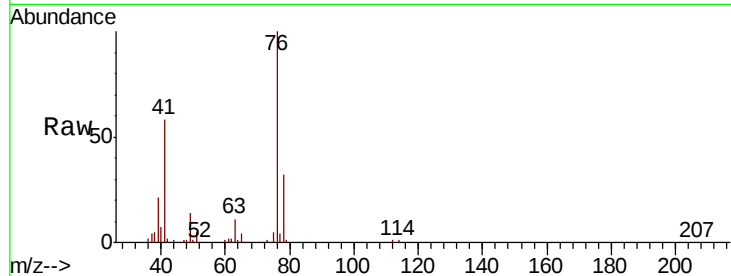




#57
 1,3-Dichloropropane
 Concen: 20.672 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

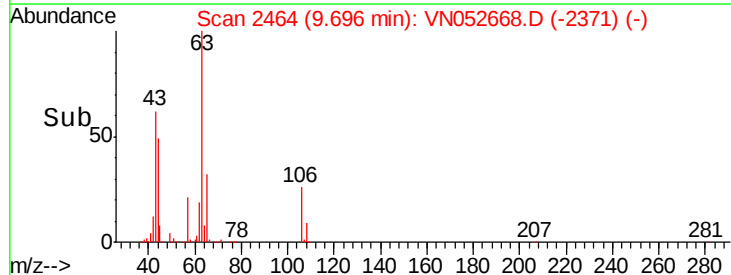
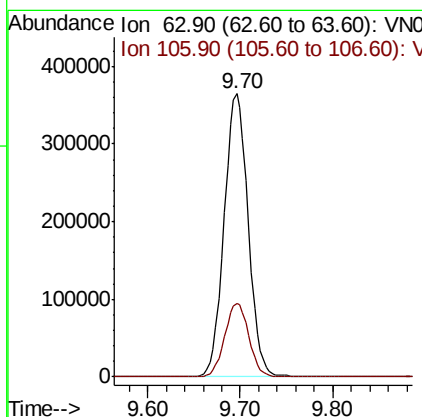
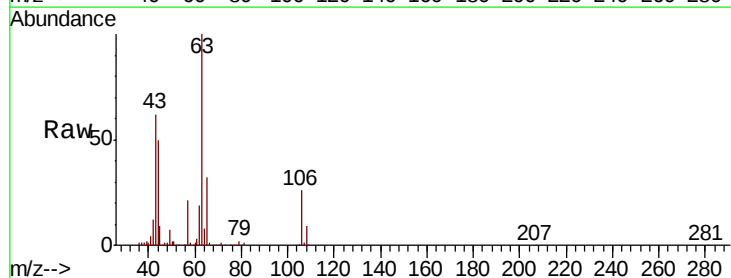
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

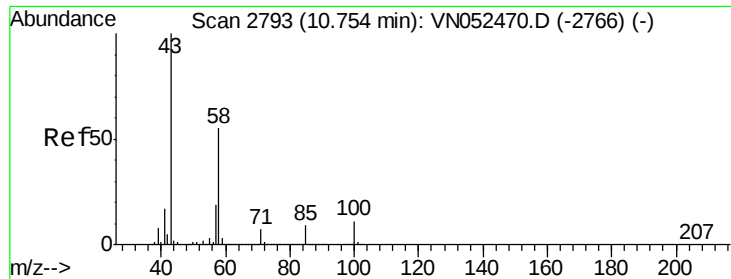
Tot Ion: 76 Resp: 312323
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.579 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 63 Resp: 655532
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.6 30.8

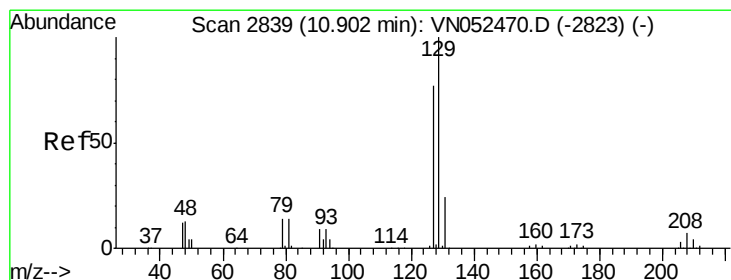
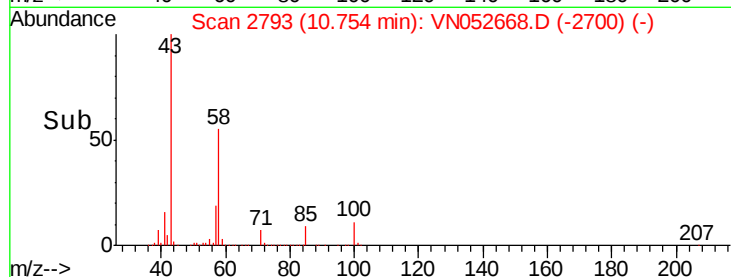
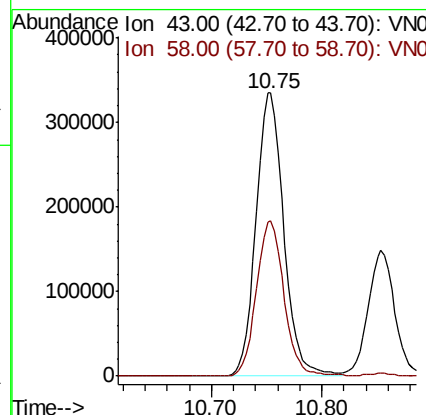
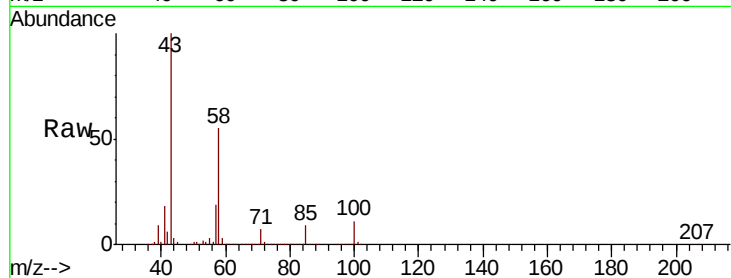




#59
2-Hexanone
Concen: 109.267 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

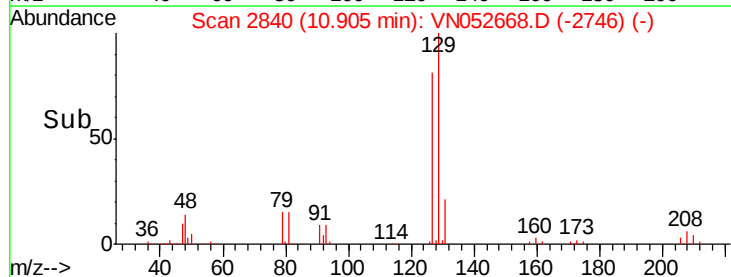
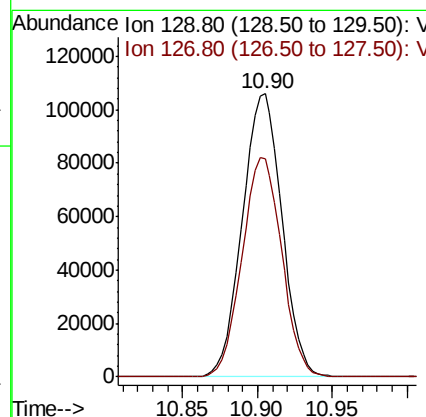
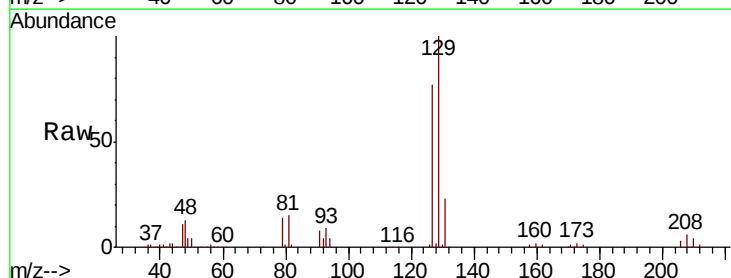
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

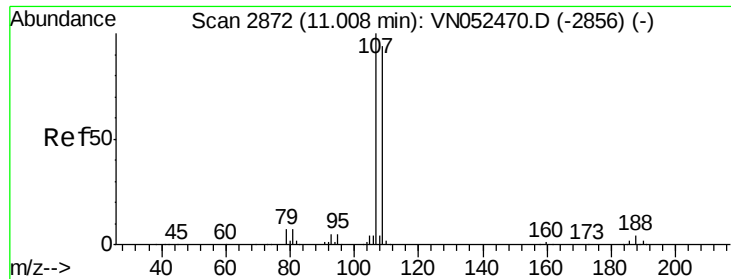
Tot Ion: 43 Resp: 583807
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.0



#60
Dibromochloromethane
Concen: 21.017 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 129 Resp: 195316
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6

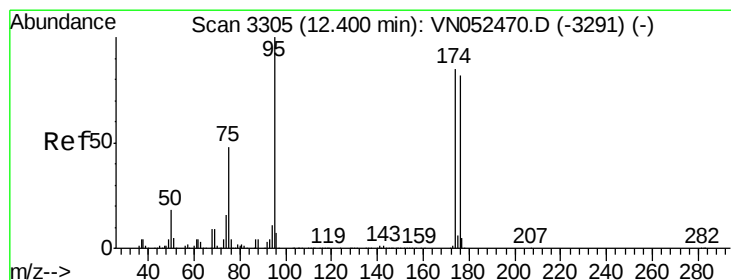
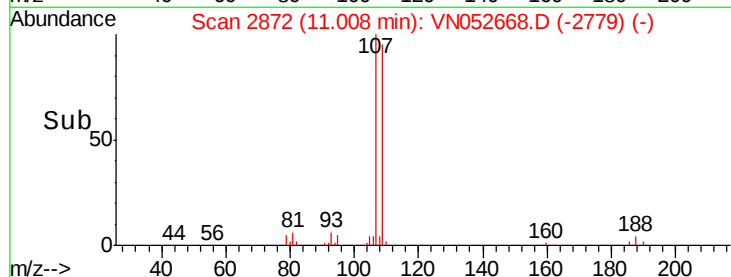
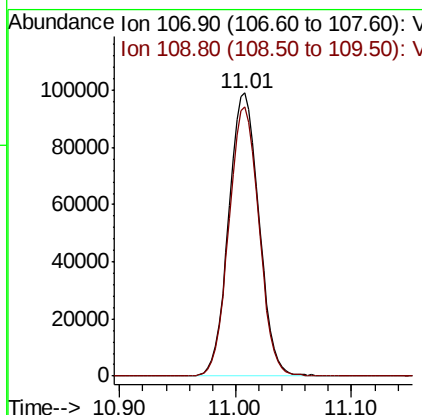
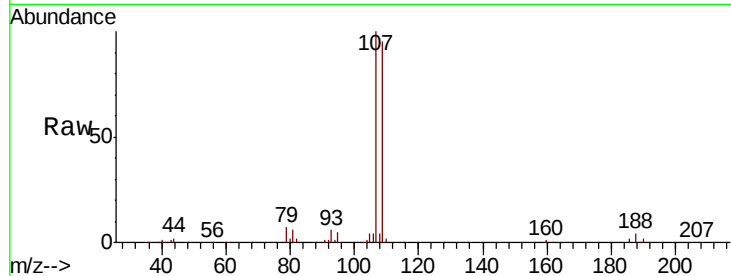




#61
 1,2-Dibromoethane
 Concen: 21.108 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

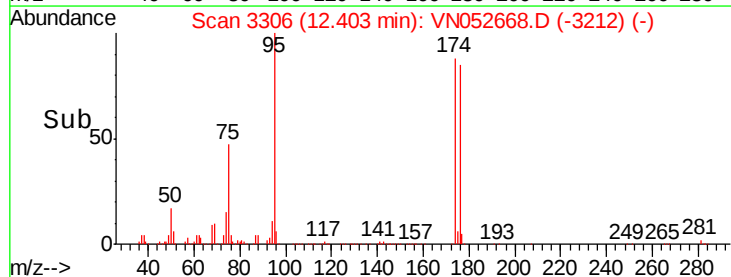
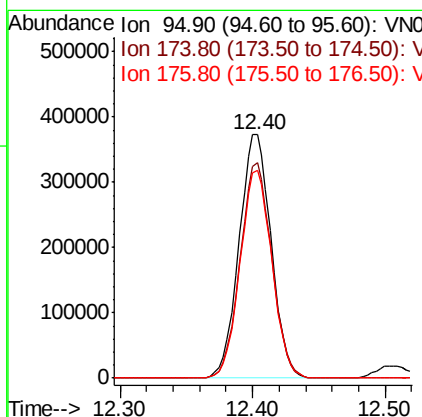
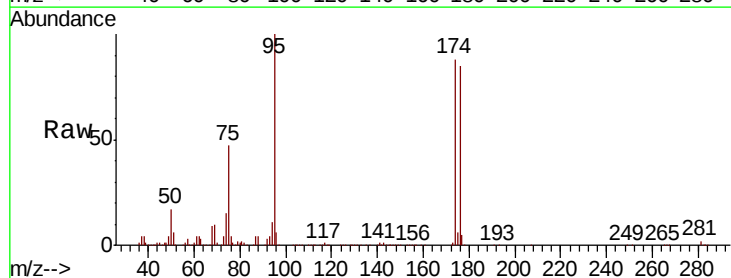
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

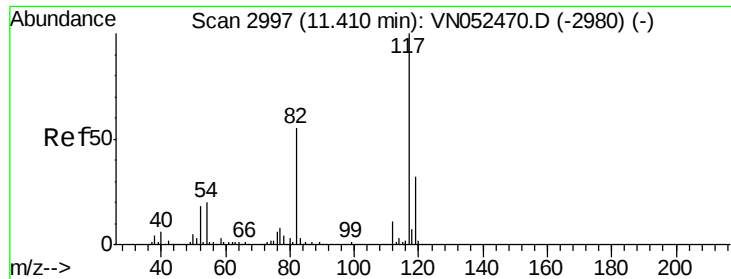
Tot Ion: 107 Resp: 179385
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 21.108 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion: 95 Resp: 624034
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 173.0
 176 84.9 0.0 166.2

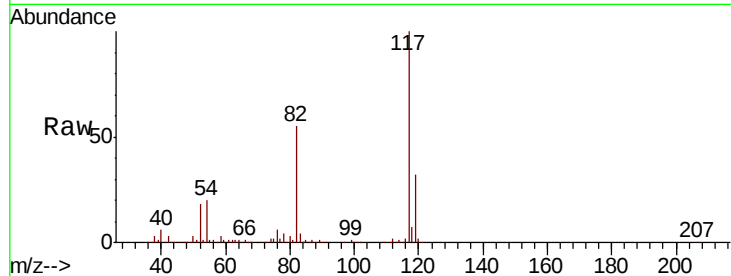




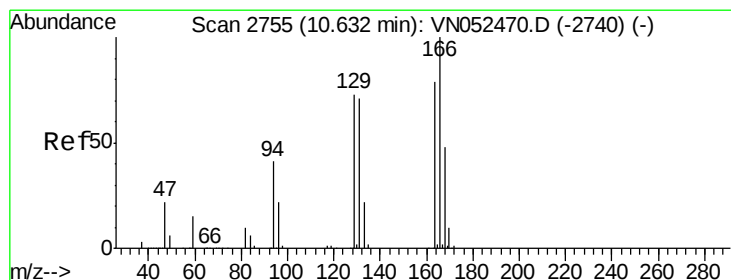
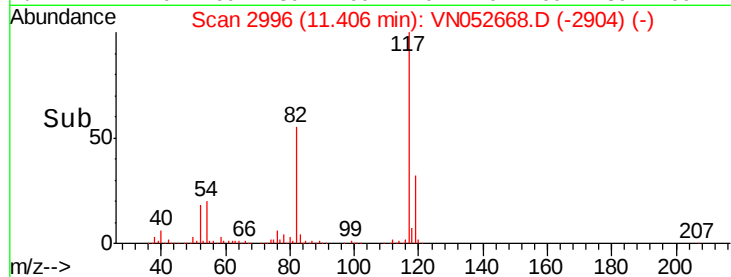
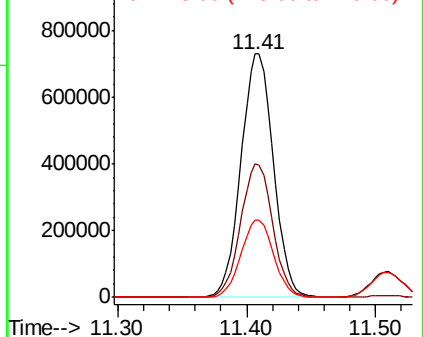
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion:117 Resp: 1279620
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 31.8 25.4 38.2

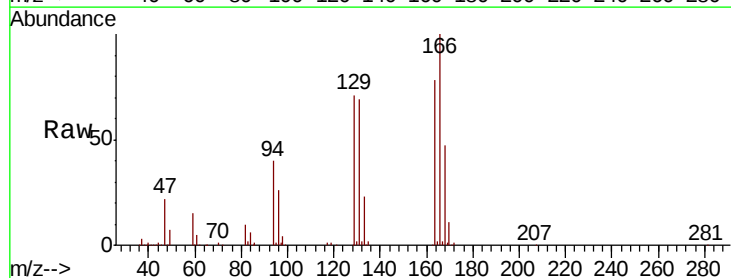


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

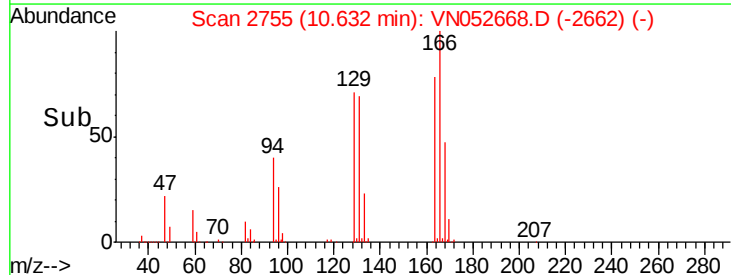
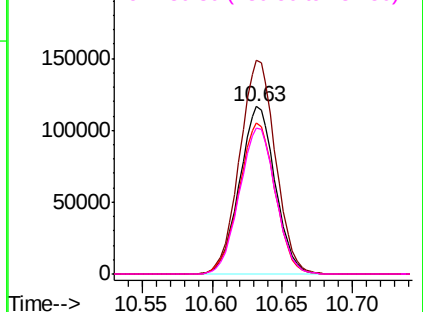


#64
Tetrachloroethene
Concen: 20.792 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion:164 Resp: 206282
Ion Ratio Lower Upper
164 100
166 127.8 101.0 151.4
129 90.1 73.8 110.6
131 87.7 71.2 106.8



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

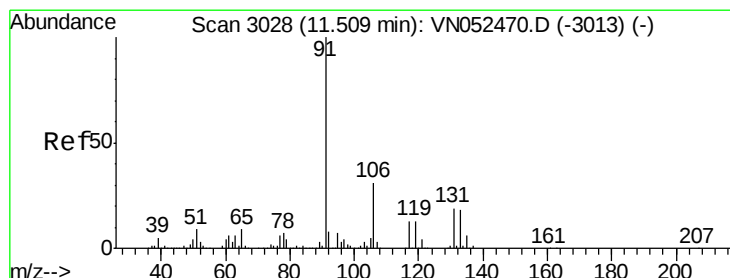
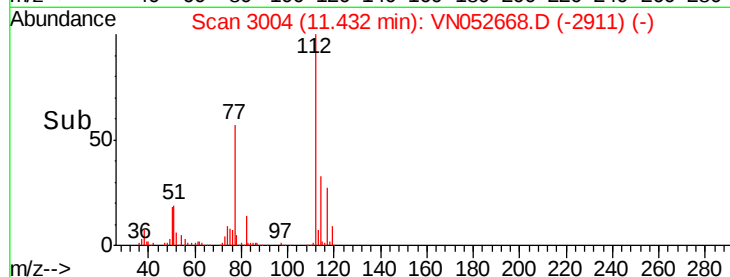
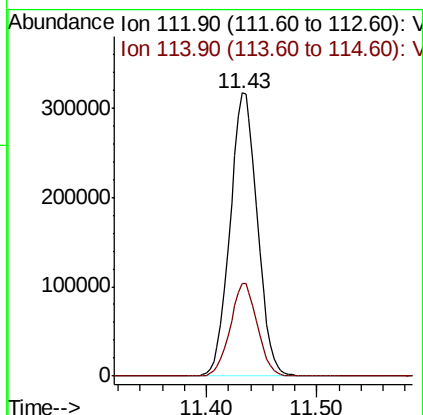
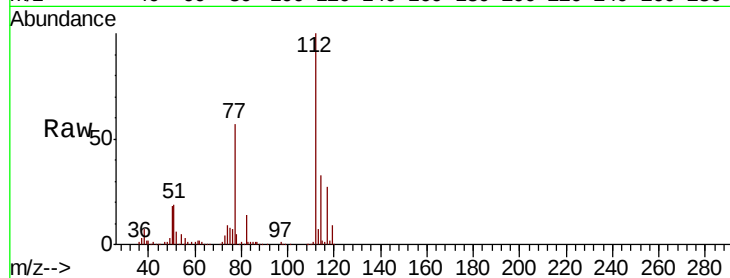




#65
Chlorobenzene
Concen: 20.609 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

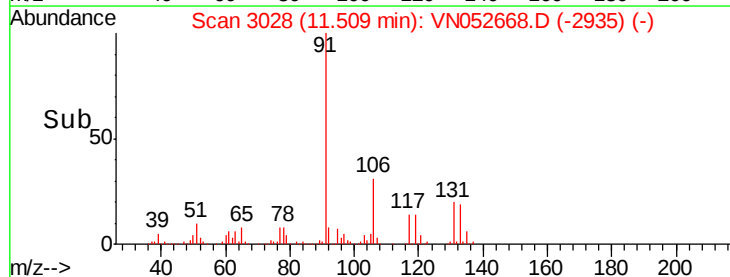
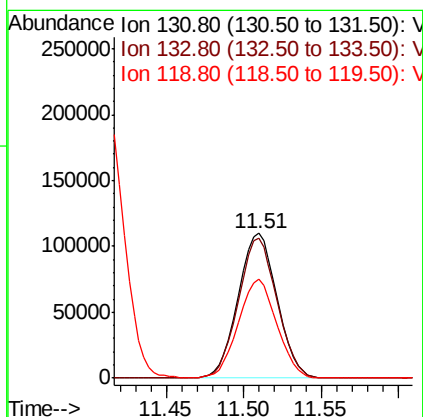
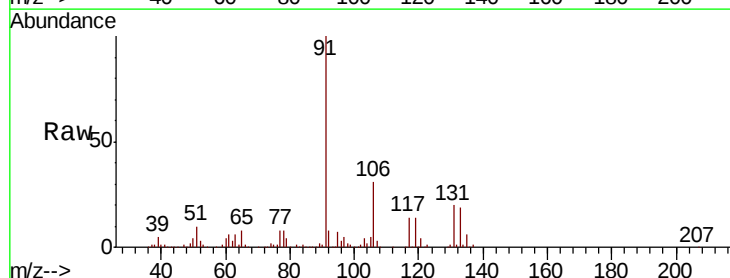
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

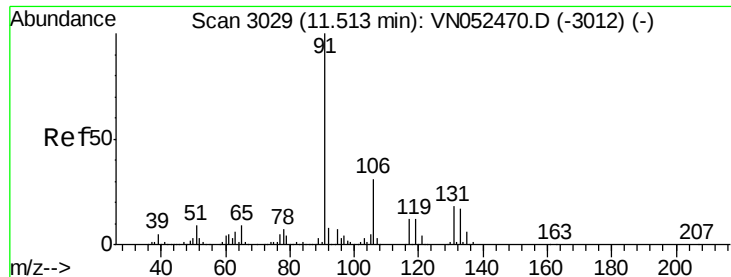
Tot Ion:112 Resp: 543774
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.032 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion:131 Resp: 192958
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.8
119 67.5 33.2 99.6

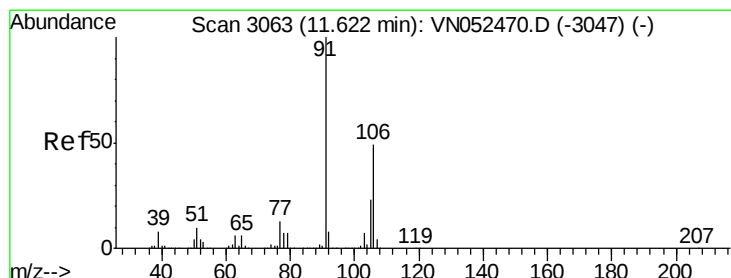
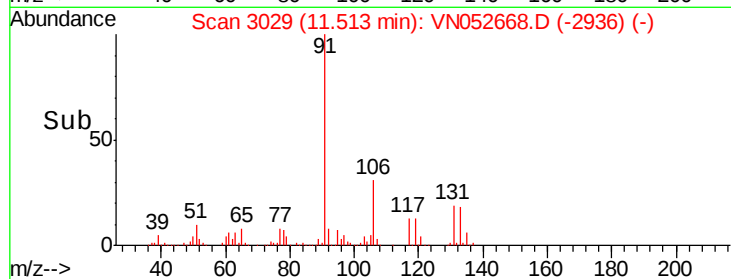
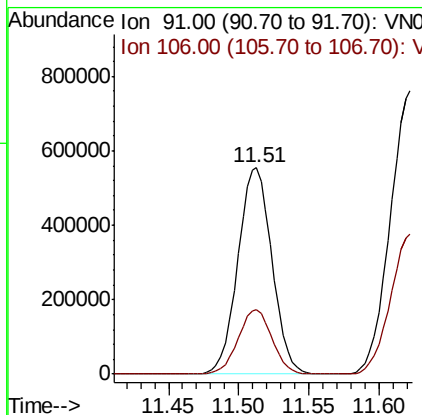
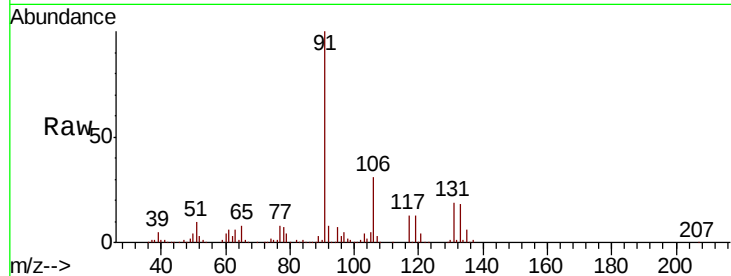




#67
Ethyl Benzene
Concen: 20.305 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

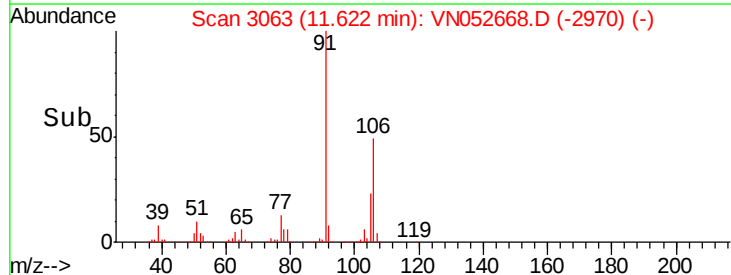
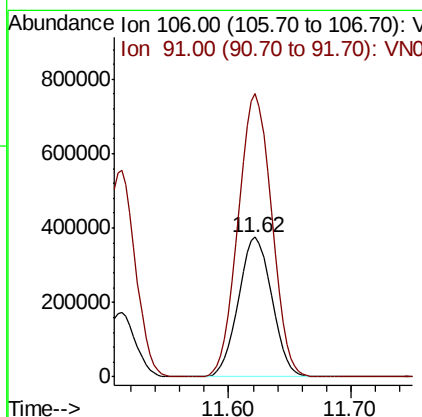
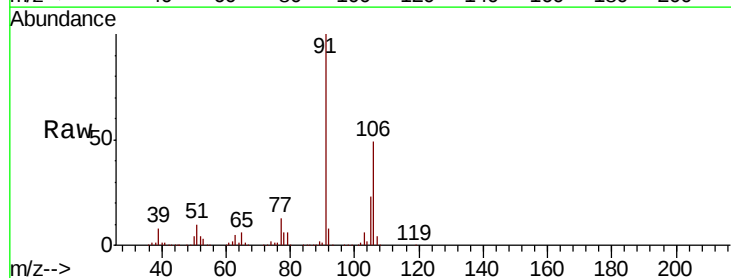
Instrument :
MSVOA_N
ClientSampled :
VN1205WBSD01

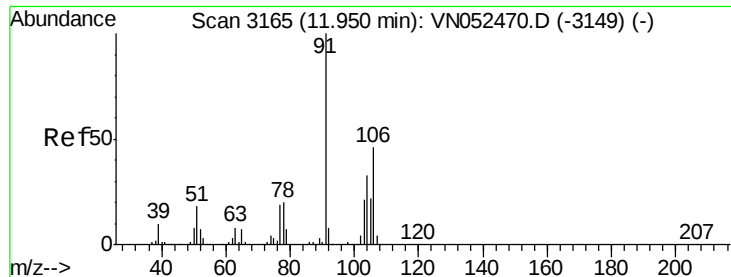
Tot Ion: 91 Resp: 938227
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 41.268 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 106 Resp: 709867
Ion Ratio Lower Upper
106 100
91 203.4 163.2 244.8

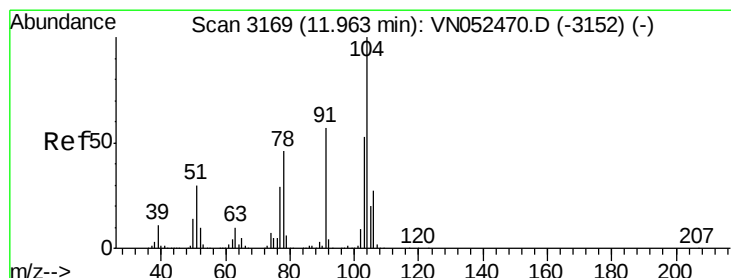
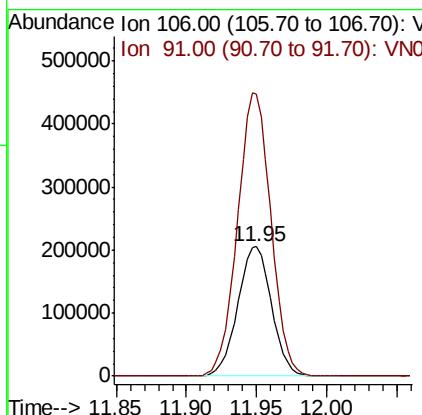
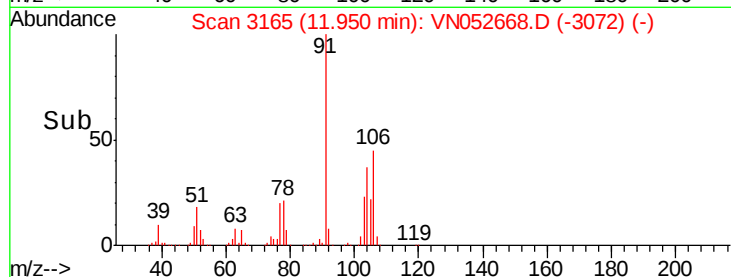
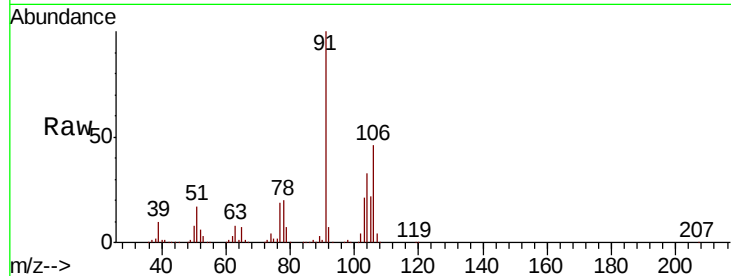




#69
o-Xylene
Concen: 20.614 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

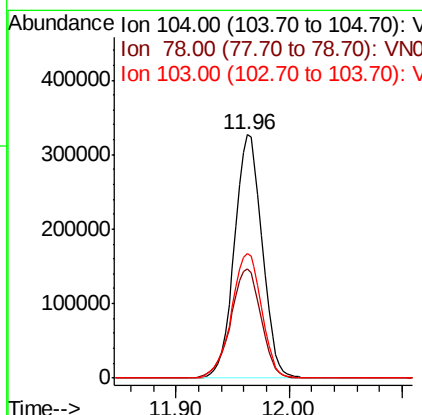
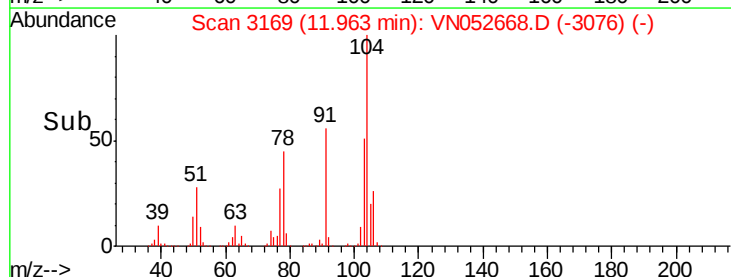
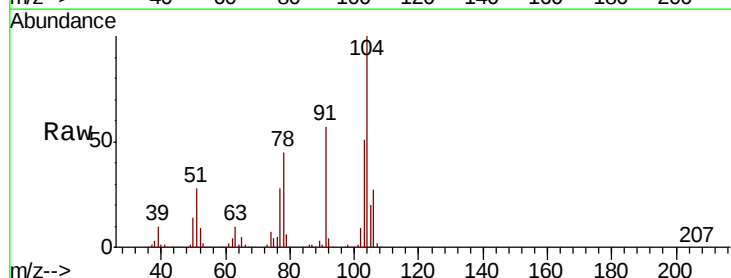
Instrument :
MSVOA_N
ClientSampled :
VN1205WBSD01

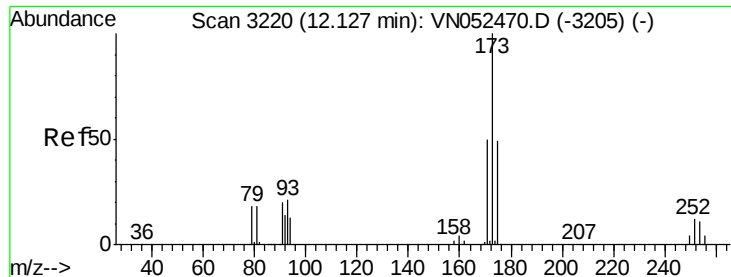
Tot Ion:106 Resp: 344337
Ion Ratio Lower Upper
106 100
91 216.3 107.7 323.1



#70
Styrene
Concen: 20.948 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion:104 Resp: 557322
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.2
103 55.7 44.9 67.3





#71

Bromoform

Concen: 22.062 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

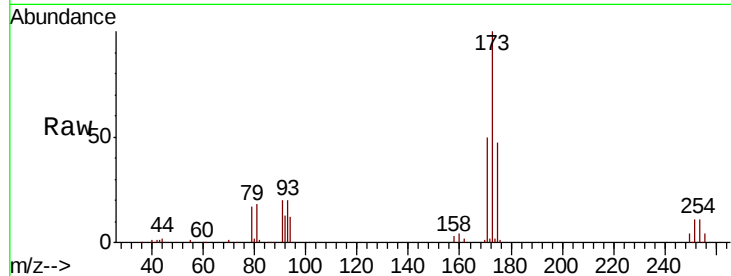
Tot Ion:173 Resp: 134016

Ion Ratio Lower Upper

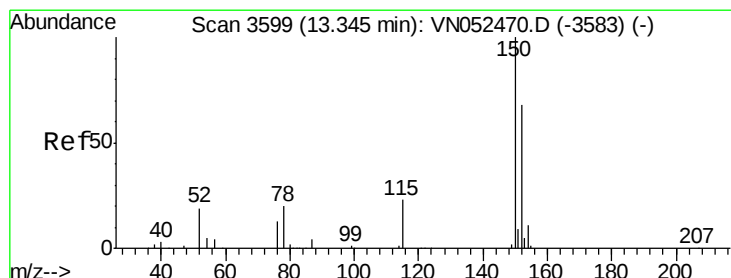
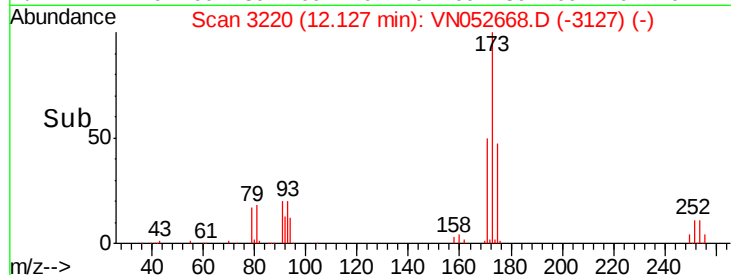
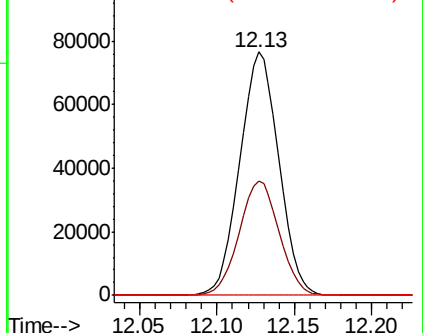
173 100

175 48.3 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

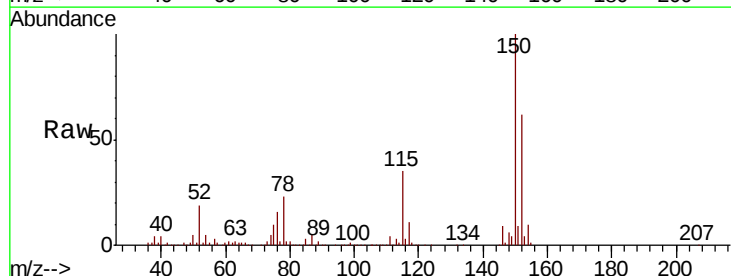
Tgt Ion:152 Resp: 570832

Ion Ratio Lower Upper

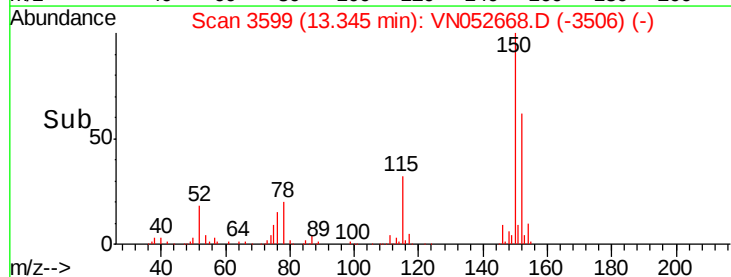
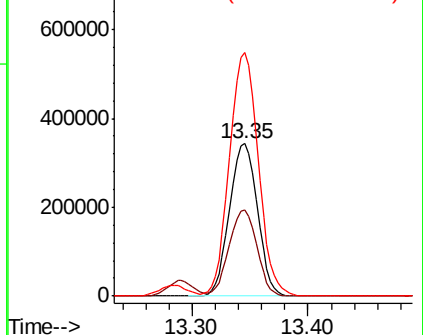
152 100

115 56.3 28.4 85.2

150 164.8 0.0 346.0



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





#73

Isopropylbenzene

Concen: 20.703 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

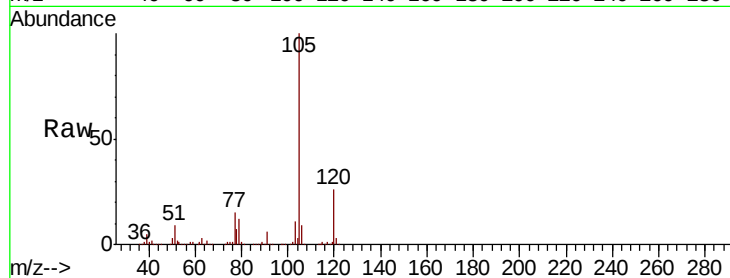
VN1205WBSD01

Tot Ion:105 Resp: 927186

Ion Ratio Lower Upper

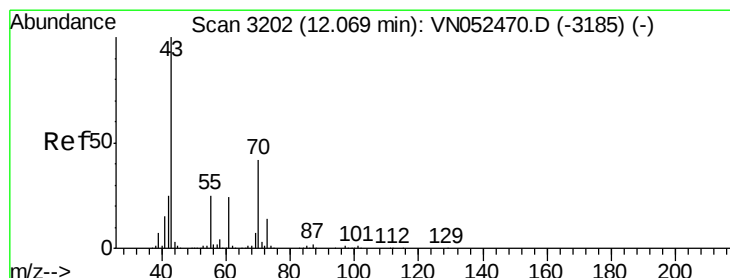
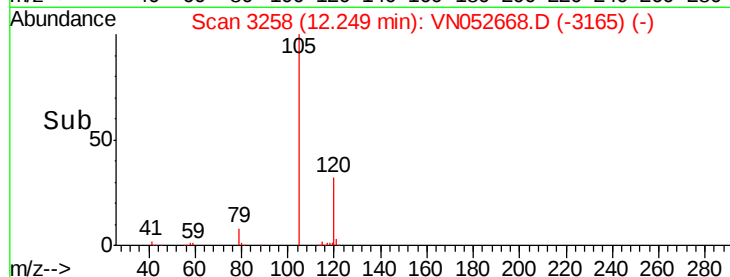
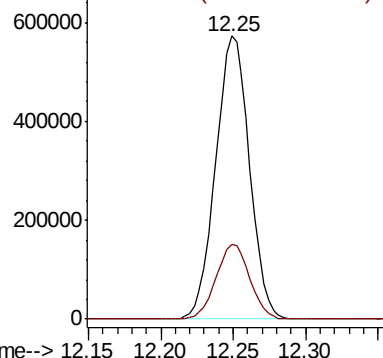
105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.374 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Tgt Ion: 43 Resp: 241834

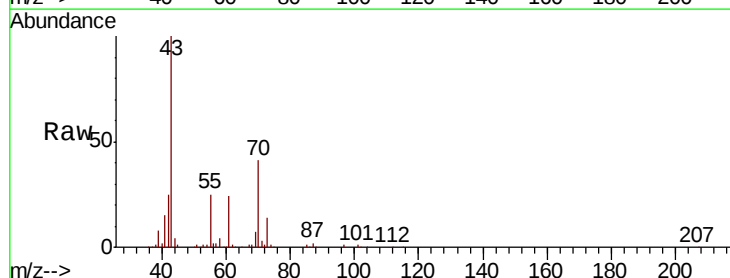
Ion Ratio Lower Upper

43 100

70 42.2 33.8 50.8

55 25.7 20.0 30.0

61 24.2 19.7 29.5

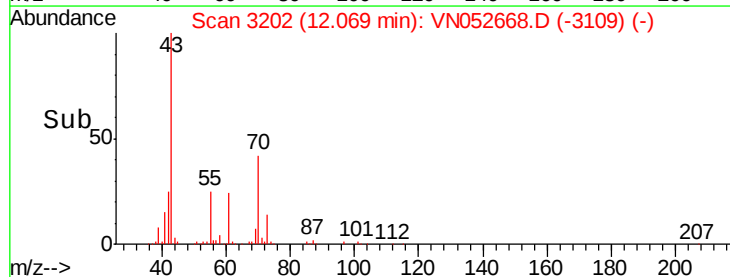
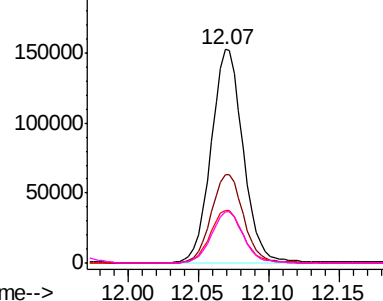


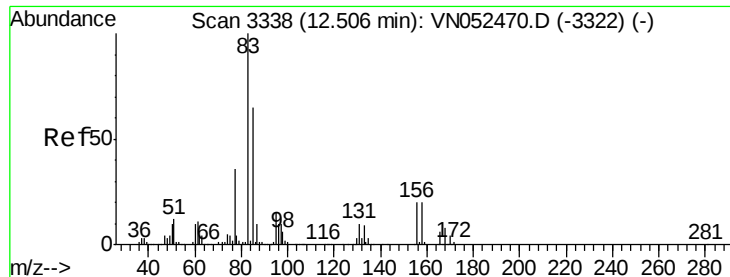
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.512 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

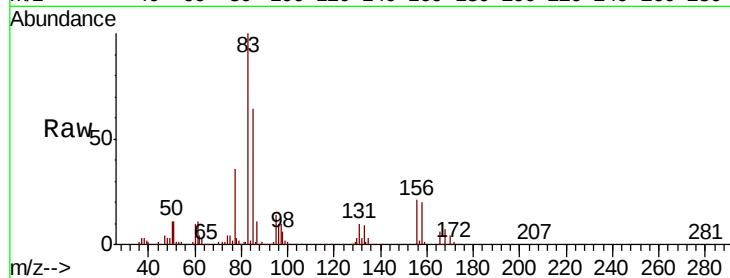
Tot Ion: 83 Resp: 219156

Ion Ratio Lower Upper

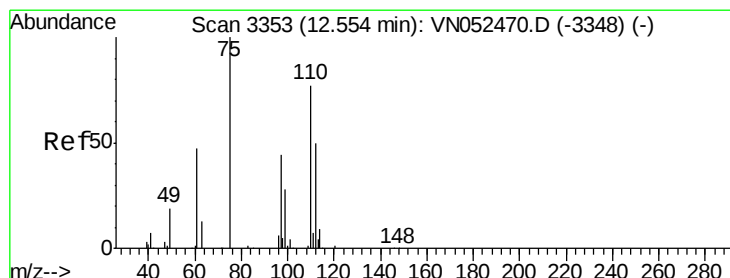
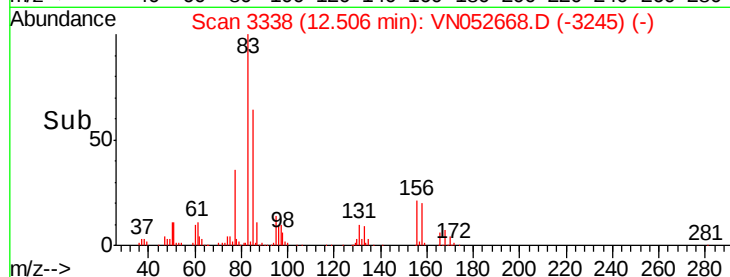
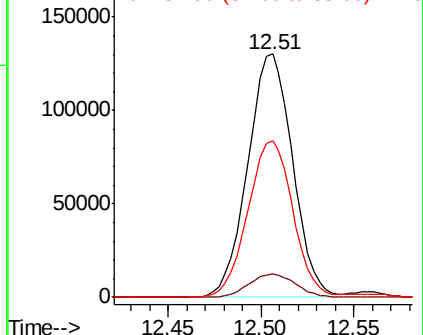
83 100

131 10.1 5.0 15.0

85 64.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.671 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052668.D

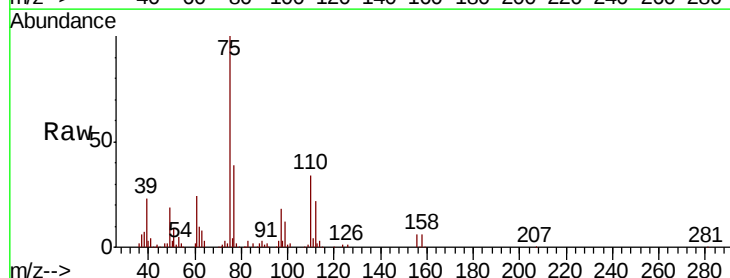
Acq: 5 Dec 2018 11:33

Tgt Ion: 75 Resp: 269985

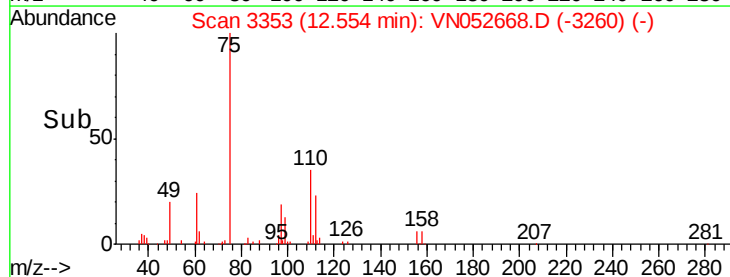
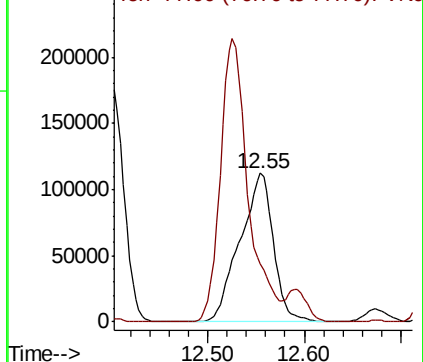
Ion Ratio Lower Upper

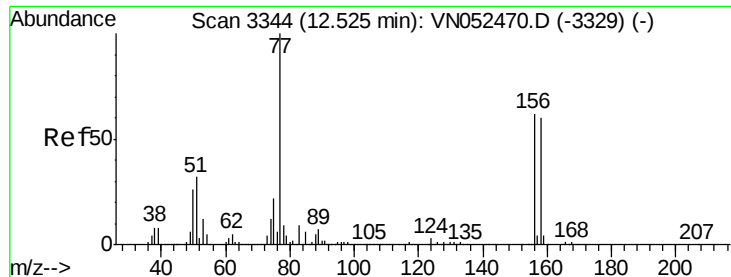
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.886 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

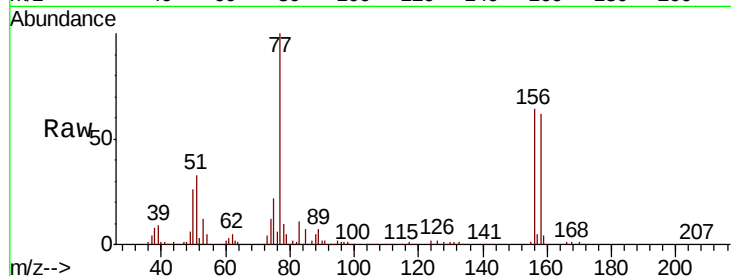
Tot Ion:156 Resp: 231197

Ion Ratio Lower Upper

156 100

77 185.0 93.5 280.4

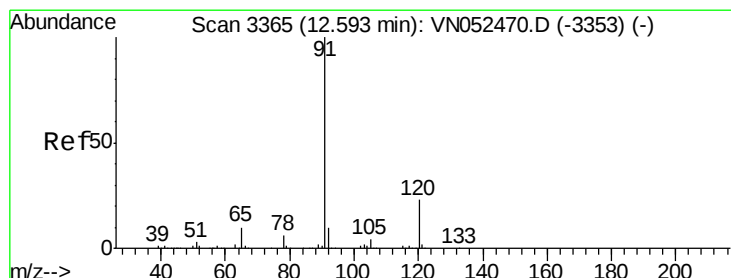
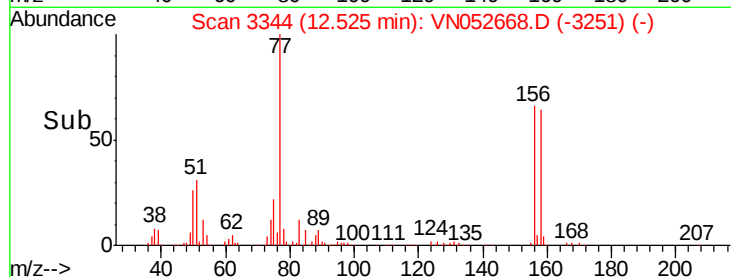
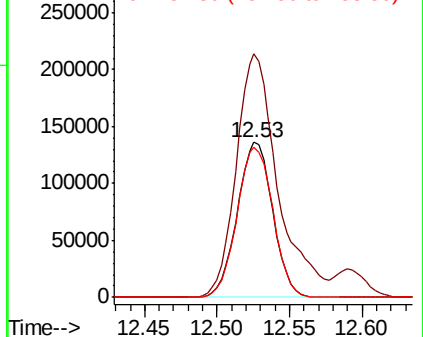
158 98.2 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.550 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052668.D

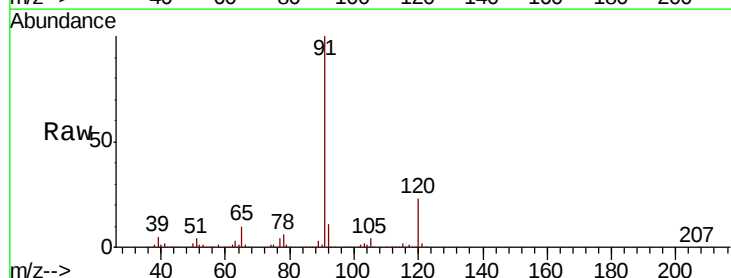
Acq: 5 Dec 2018 11:33

Tgt Ion: 91 Resp: 1045526

Ion Ratio Lower Upper

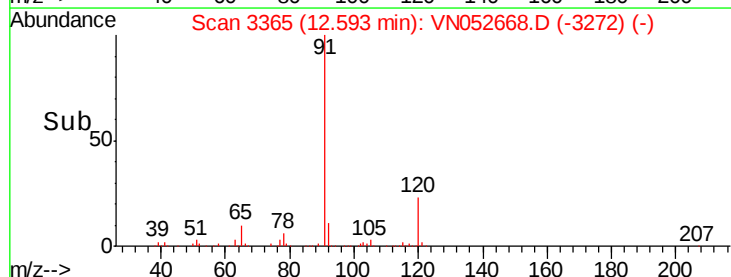
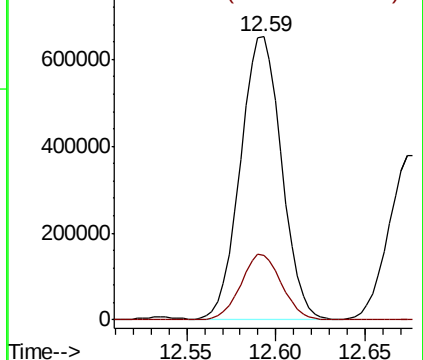
91 100

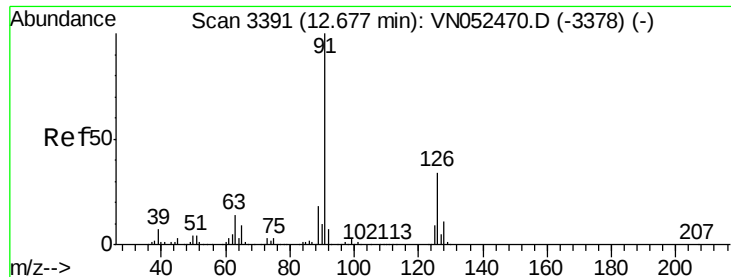
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.573 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

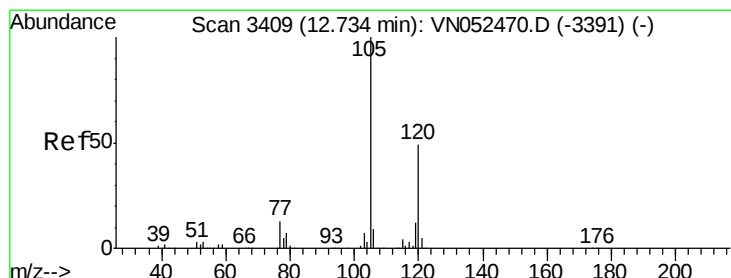
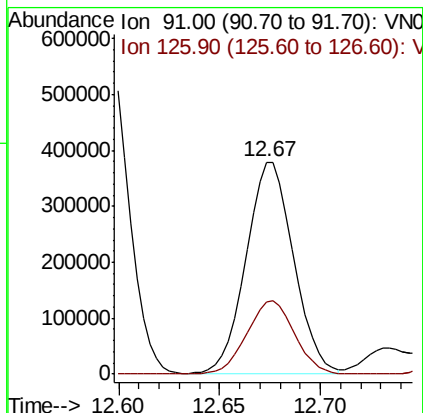
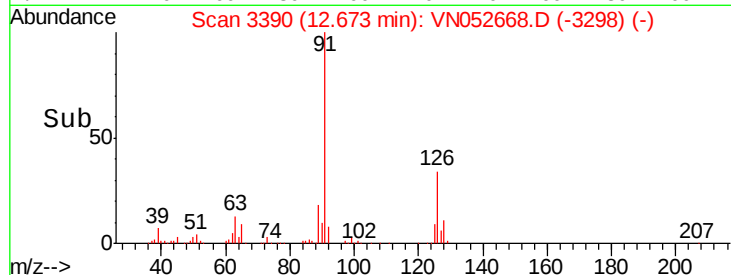
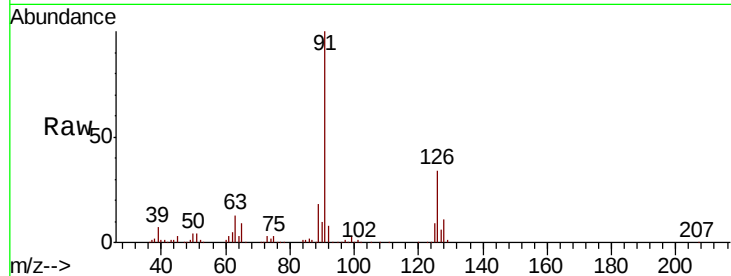
VN1205WBSD01

Tot Ion: 91 Resp: 623321

Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 21.118 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052668.D

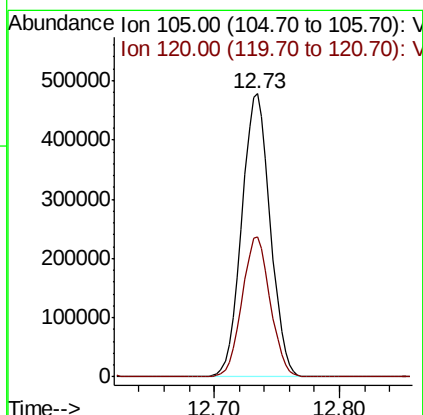
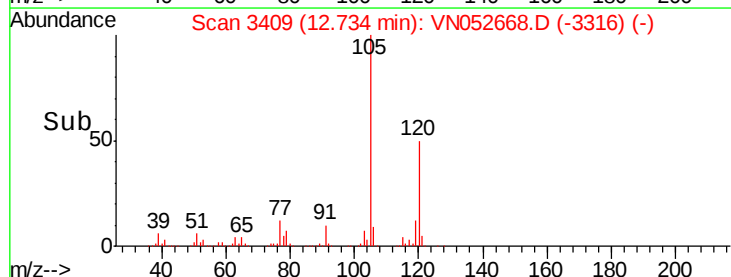
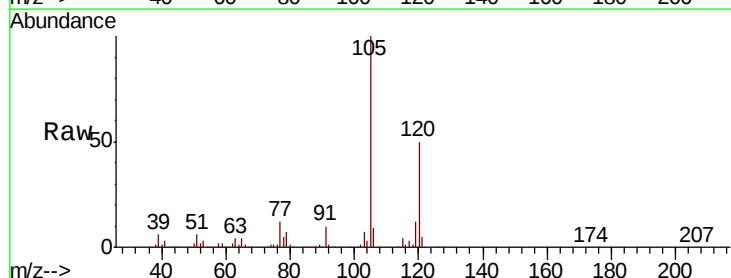
Acq: 5 Dec 2018 11:33

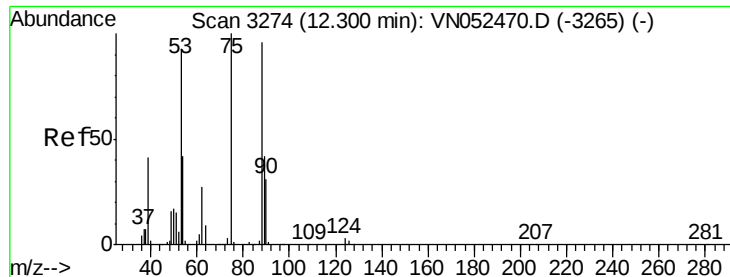
Tgt Ion: 105 Resp: 754291

Ion Ratio Lower Upper

105 100

120 49.0 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.363 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBSD01

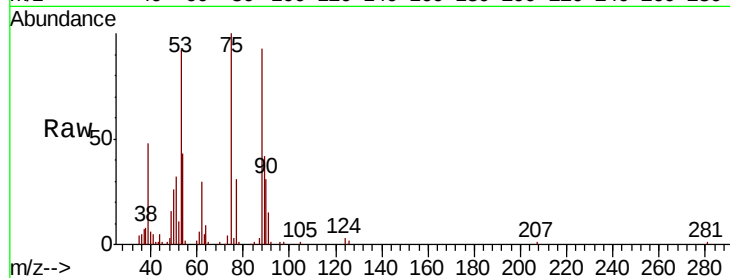
Tot Ion: 75 Resp: 56309

Ion Ratio Lower Upper

75 100

53 98.1 77.4 116.0

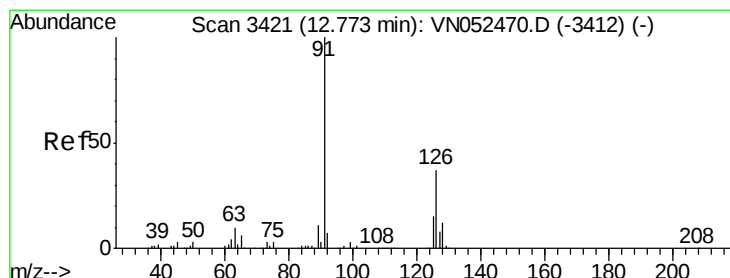
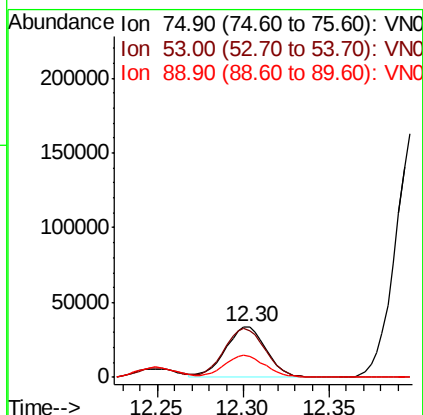
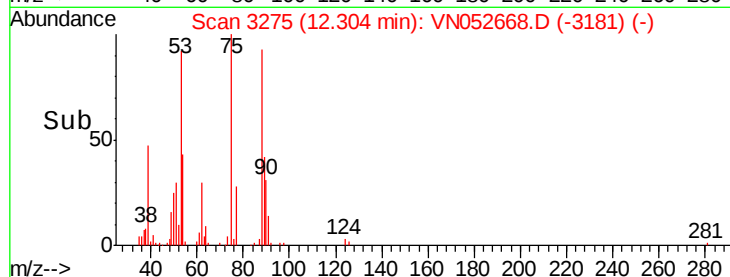
89 43.3 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.287 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052668.D

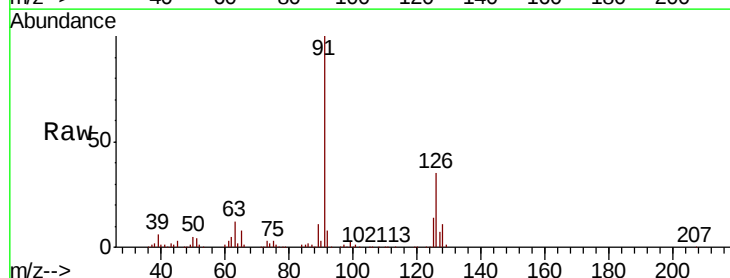
Acq: 5 Dec 2018 11:33

Tgt Ion: 91 Resp: 619470

Ion Ratio Lower Upper

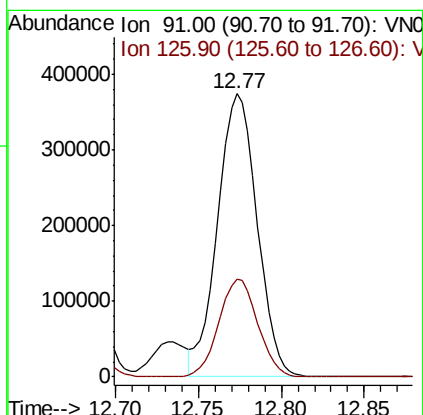
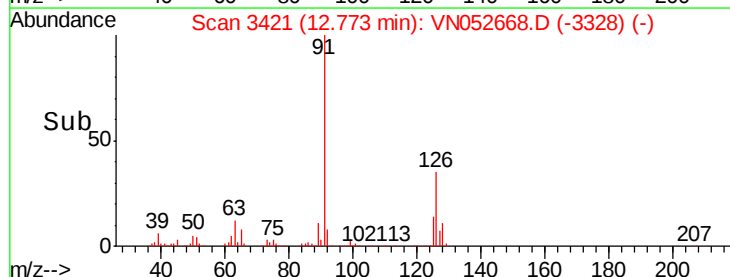
91 100

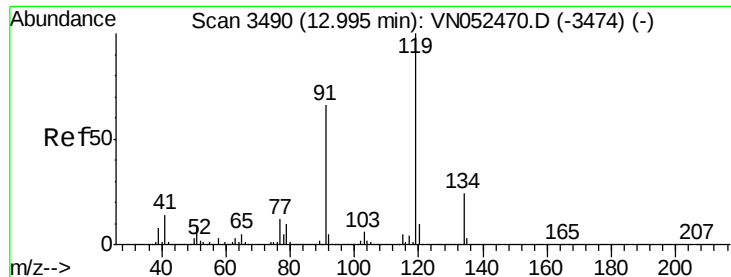
126 34.0 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

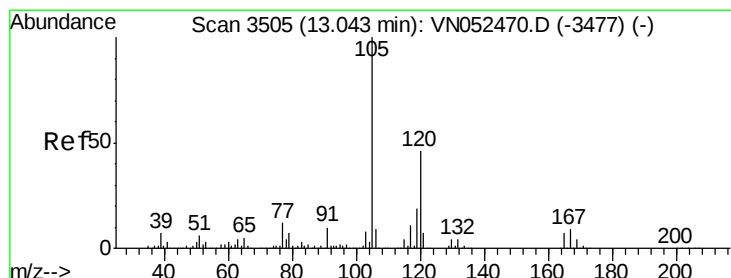
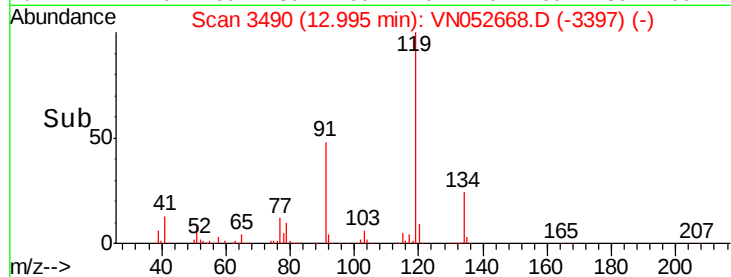
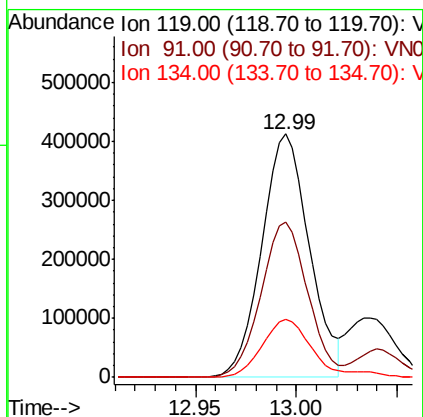
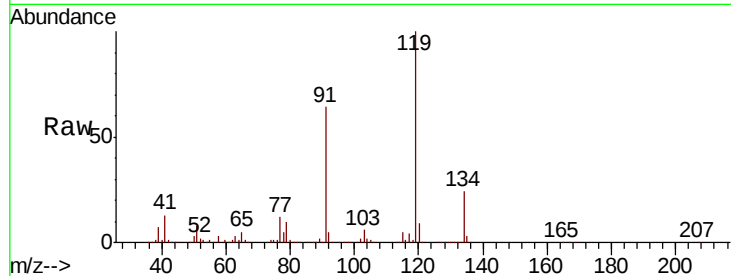




#83
 tert-Butylbenzene
 Concen: 21.271 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

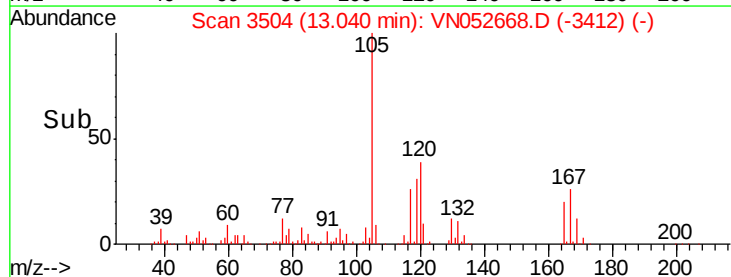
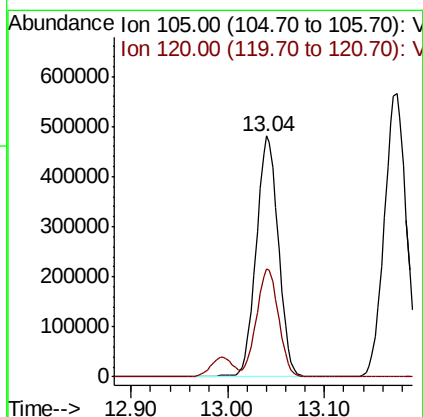
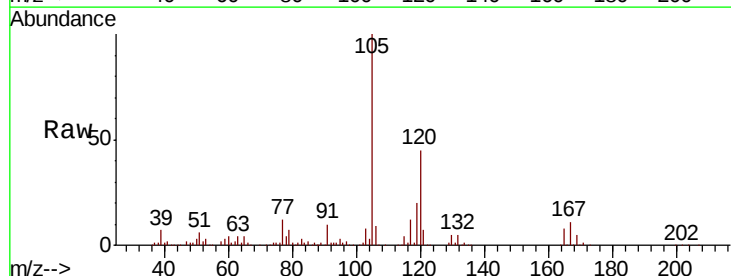
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1205WBSD01

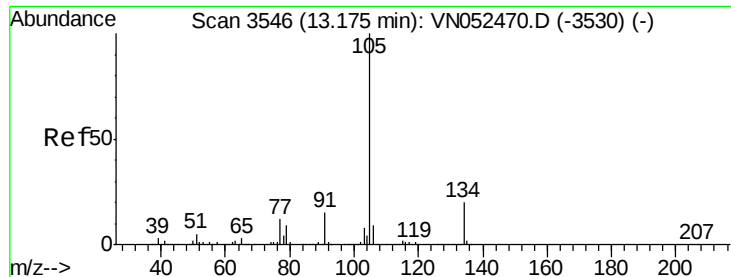
Tot Ion:119 Resp: 677314
 Ion Ratio Lower Upper
 119 100
 91 63.0 32.3 96.9
 134 25.8 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.380 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion:105 Resp: 765327
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.636 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

Instrument :

MSVOA_N

ClientSampleId :

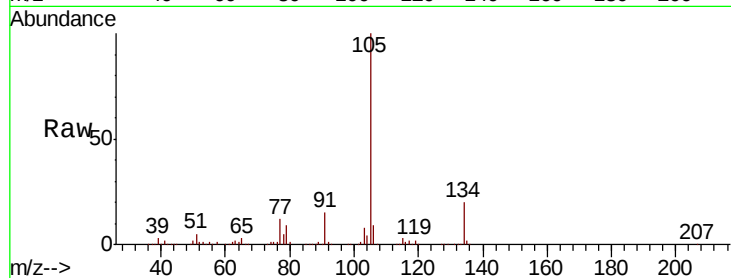
VN1205WBSD01

Tot Ion:105 Resp: 895015

Ion Ratio Lower Upper

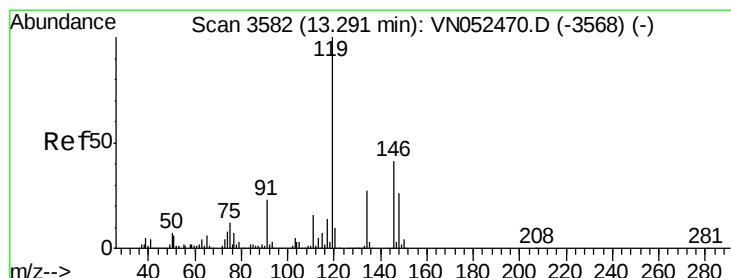
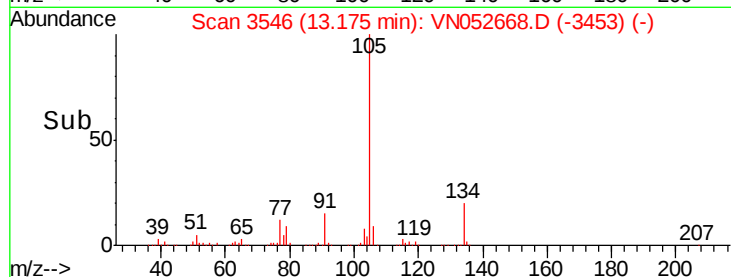
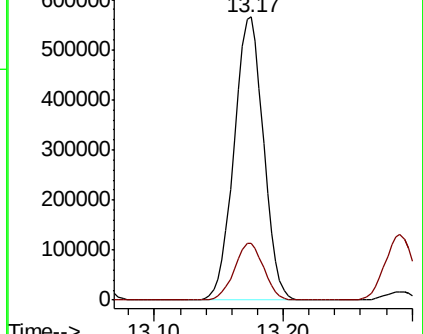
105 100

134 20.1 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.618 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052668.D

Acq: 5 Dec 2018 11:33

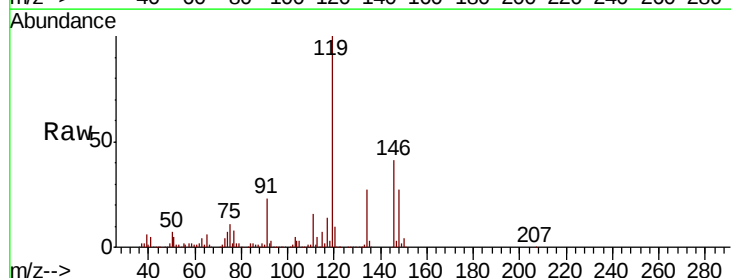
Tgt Ion:119 Resp: 761628

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

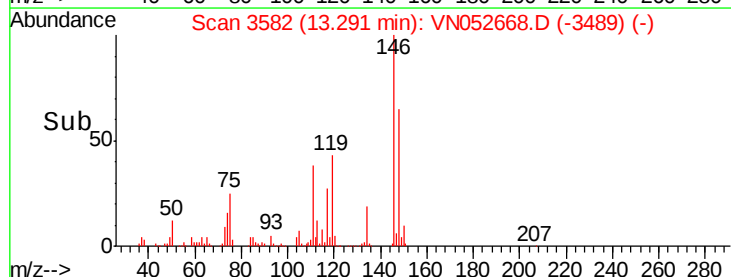
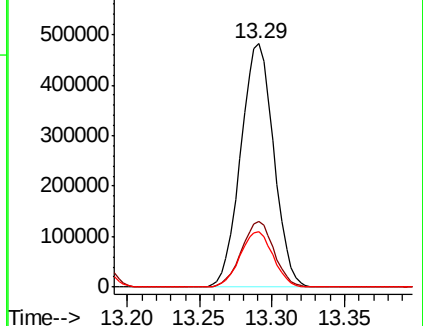
91 22.9 11.4 34.2

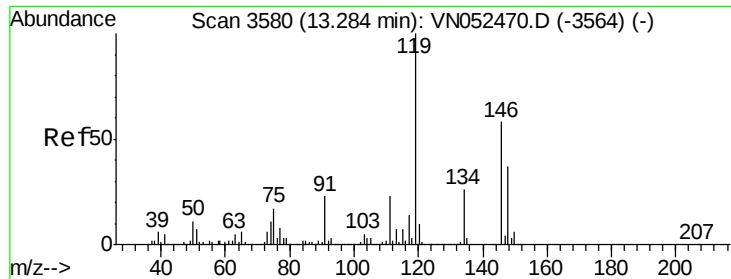


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

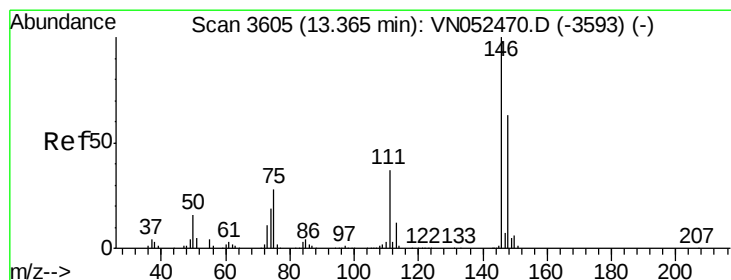
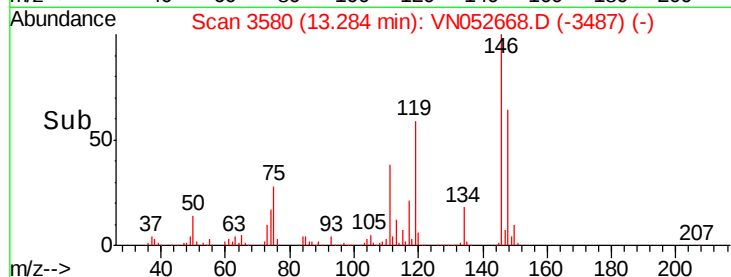
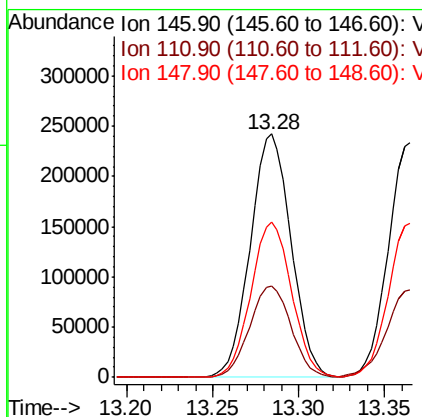
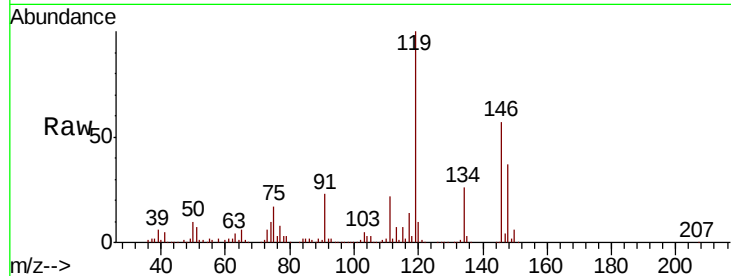




#87
 1,3-Dichlorobenzene
 Concen: 20.593 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

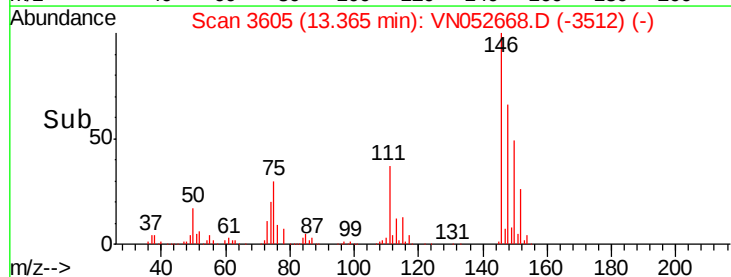
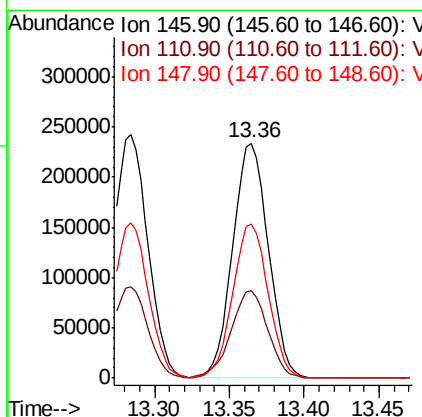
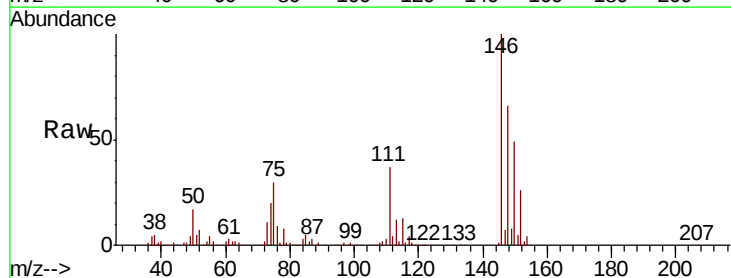
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

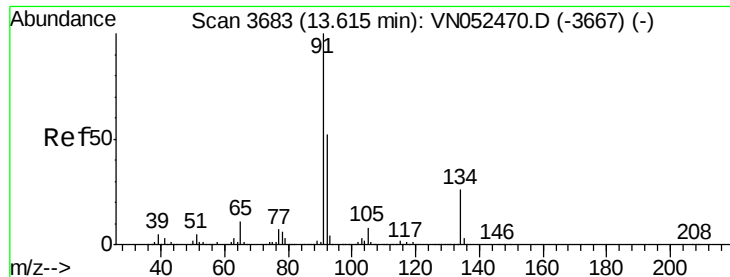
Tot Ion:146 Resp: 398741
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.4 58.4
 148 63.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.407 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion:146 Resp: 389217
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.6 56.0
 148 65.0 31.9 95.9

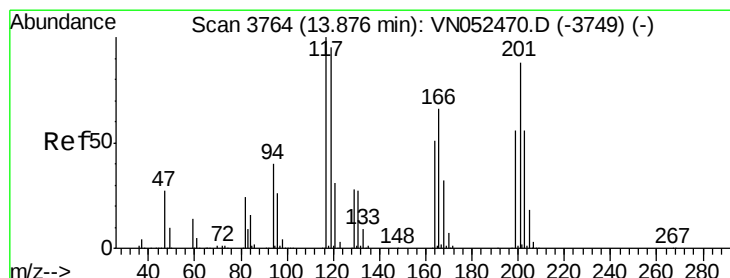
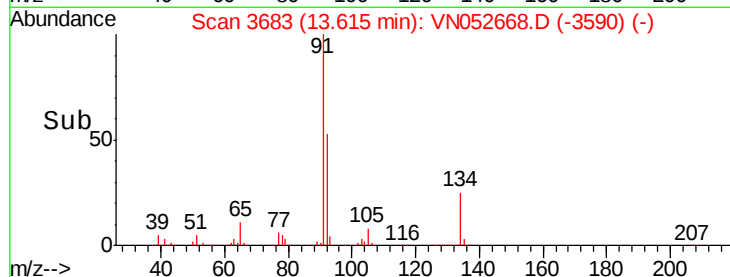
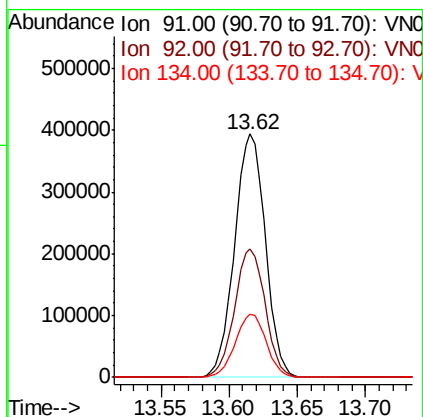
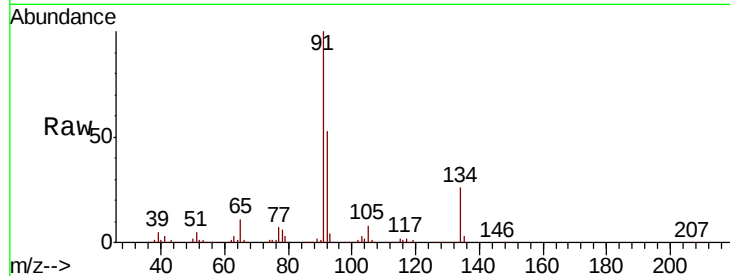




#89
n-Butylbenzene
Concen: 20.090 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

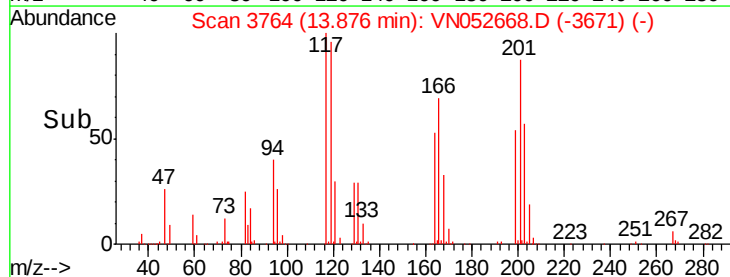
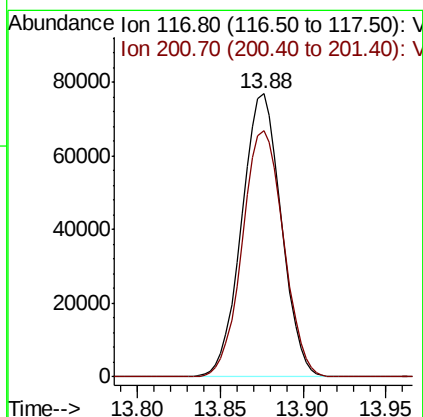
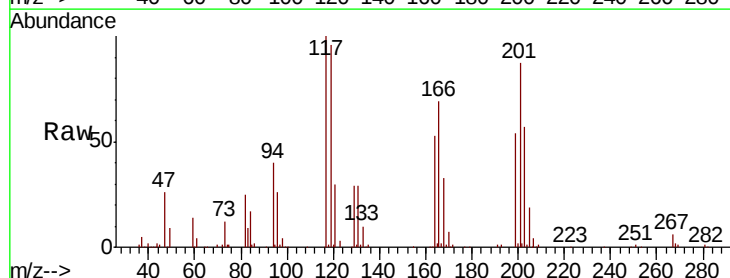
Instrument :
MSVOA_N
ClientSampled :
VN1205WBSD01

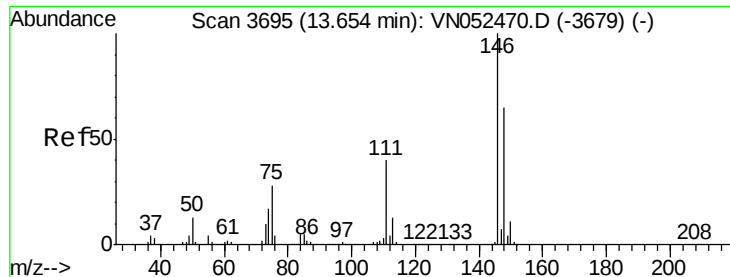
Tot Ion: 91 Resp: 617182
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.3
134 26.1 13.0 38.9



#90
Hexachloroethane
Concen: 20.412 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion: 117 Resp: 127670
Ion Ratio Lower Upper
117 100
201 90.3 43.6 130.9

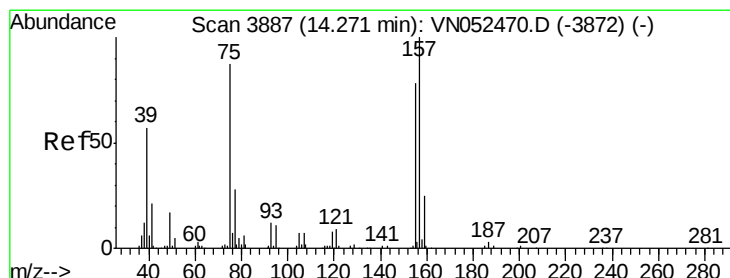
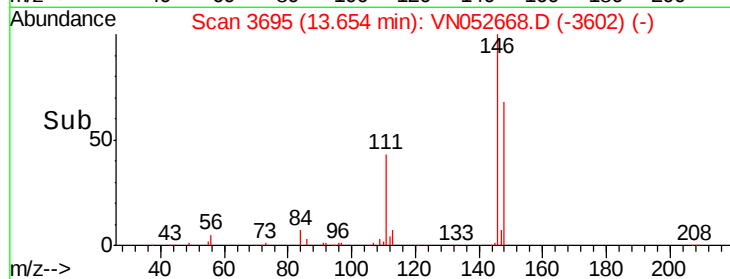
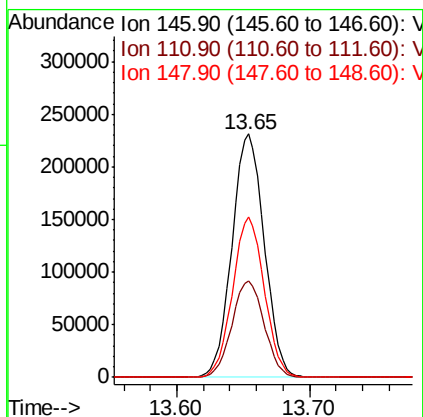
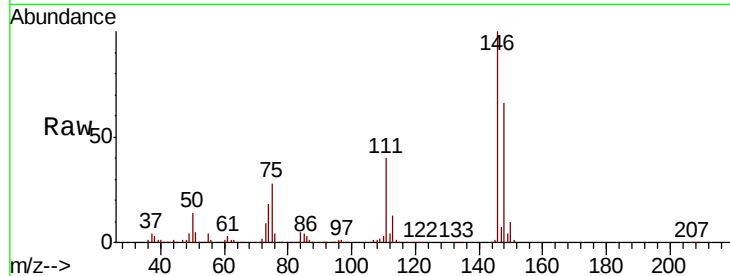




#91
 1,2-Dichlorobenzene
 Concen: 21.097 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

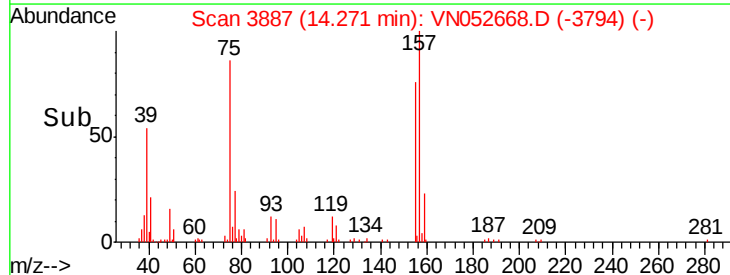
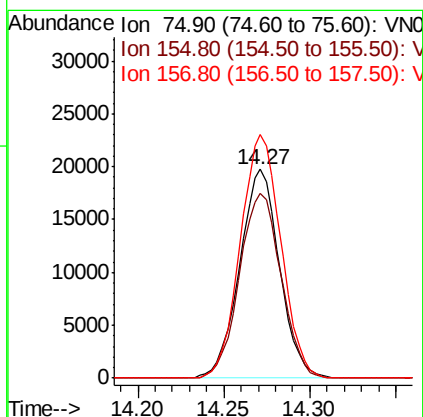
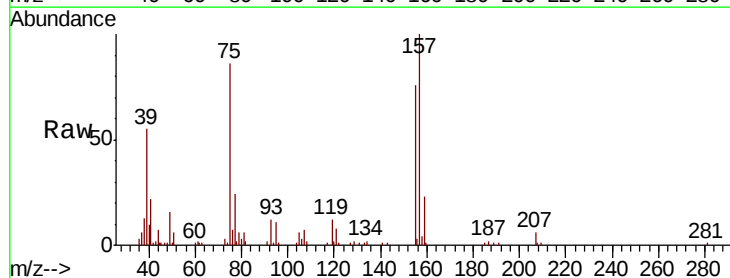
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	64.6	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.824 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	45.3	135.9
157	118.6	58.1	174.2

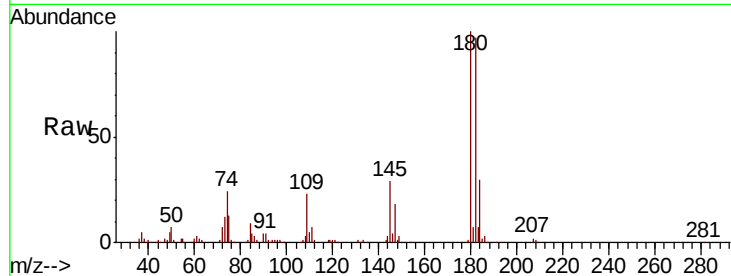




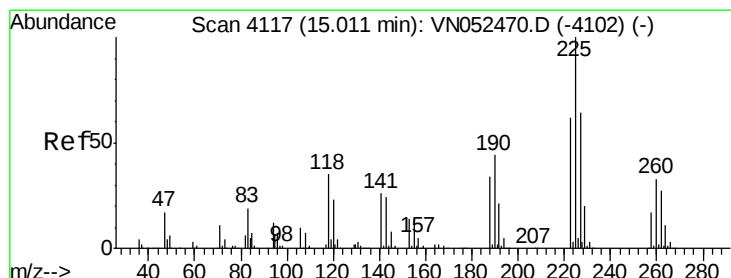
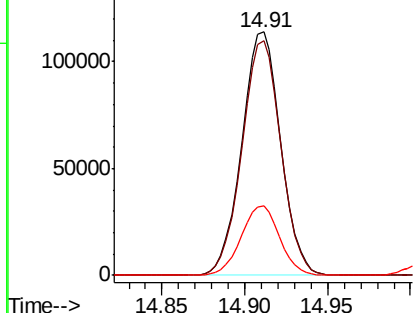
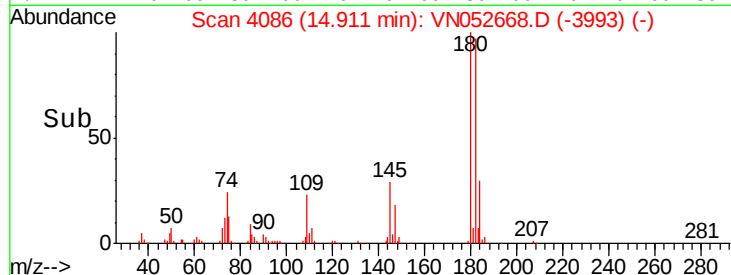
#93
 1,2,4-Trichlorobenzene
 Concen: 20.148 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Tot Ion:180 Resp: 186038
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.8 143.4
 145 28.5 14.1 42.3

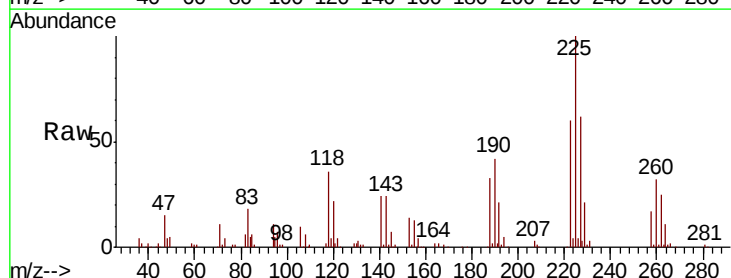


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

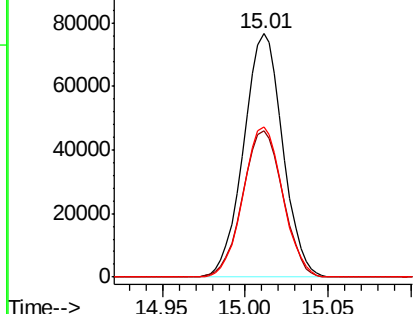
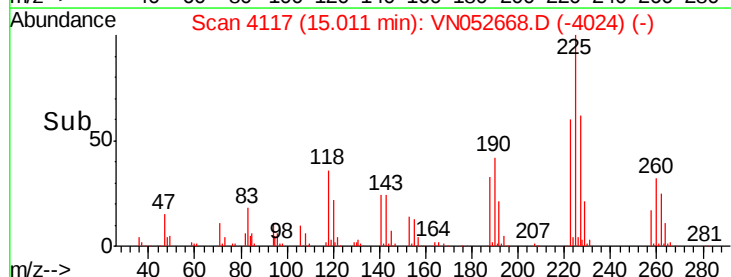


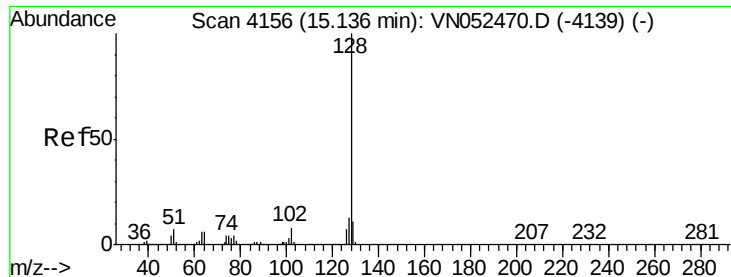
#94
 Hexachlorobutadiene
 Concen: 21.083 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052668.D
 Acq: 5 Dec 2018 11:33

Tgt Ion:225 Resp: 125471
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.2
 227 62.3 32.5 97.4



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

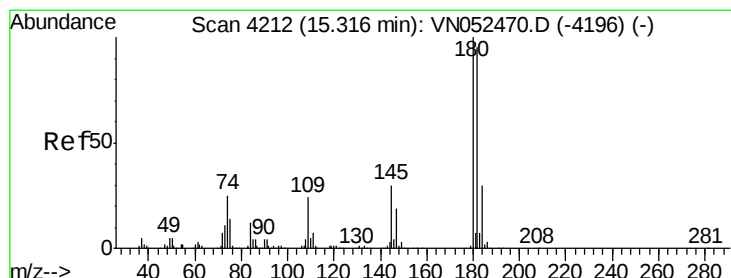
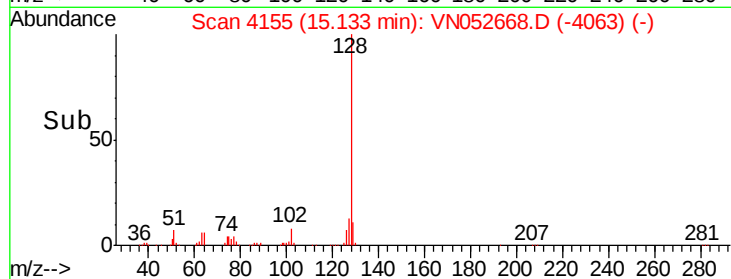
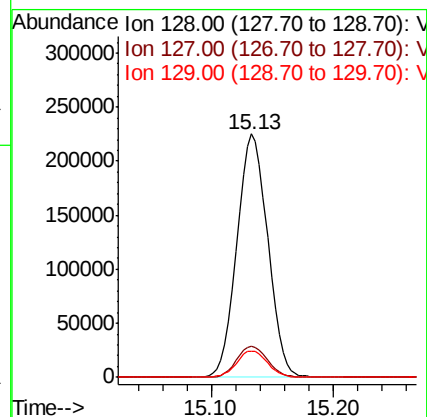
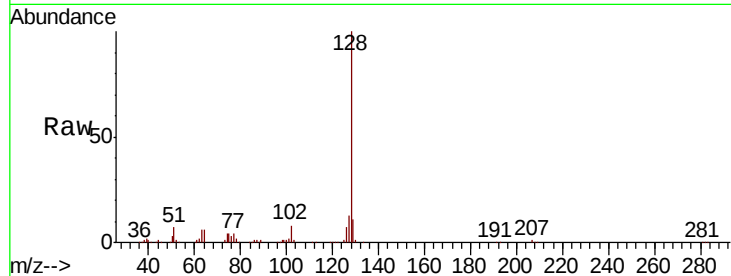




#95
Naphthalene
Concen: 20.535 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBSD01

Tot Ion:128 Resp: 394715
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.128 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052668.D
Acq: 5 Dec 2018 11:33

Tgt Ion:180 Resp: 181350
Ion Ratio Lower Upper
180 100
182 96.0 47.8 143.3
145 29.5 15.2 45.5

