

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112618\
 Data File : VN052460.D
 Acq On : 26 Nov 2018 15:42
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 00:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	171167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1012723	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	879745	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	348477	29.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.60%
60) 4-Bromofluorobenzene	12.40	95	402578	29.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.77%
63) Toluene-d8	10.09	98	1238556	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	199909	20.507	ug/l 99
3) Chloromethane	2.06	50	262606	20.312	ug/l 99
4) Vinyl Chloride	2.19	62	267026	20.464	ug/l 97
5) Bromomethane	2.57	94	168883	22.699	ug/l 98
6) Chloroethane	2.71	64	161396	20.799	ug/l 100
7) Trichlorofluoromethane	3.02	101	334525	20.773	ug/l 97
8) Diethyl Ether	3.41	74	122103	20.534	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	211410	20.709	ug/l 97
10) 1,1-Dichloroethene	3.74	96	199521	20.786	ug/l 99
11) Methyl Iodide	3.96	142	236342	17.734	ug/l 99
12) Methyl Acetate	4.33	43	161172	19.762	ug/l 99
13) Acrolein	3.61	56	86191	89.969	ug/l 99
14) Acrylonitrile	4.98	53	339609	97.730	ug/l 99
15) Acetone	3.82	58	81895	91.000	ug/l 96
16) Carbon Disulfide	4.06	76	625759	20.591	ug/l 99
17) Allyl chloride	4.33	41	345627	20.647	ug/l 99
18) Methylene Chloride	4.55	84	228519	20.562	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	214606	20.775	ug/l 97
20) Diisopropyl ether	5.95	45	715976	20.353	ug/l 98
21) 1,1-Dichloroethane	5.85	63	413867	20.642	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	238923	20.182	ug/l 97
23) tert-Butyl Alcohol	4.78	59	40354	78.064	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	510021	20.254	ug/l 98
25) Chloroform	7.37	83	397240	20.537	ug/l 99
26) Cyclohexane	7.65	56	393611	20.815	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	315932	20.428	ug/l 100
30) 2-Butanone	6.83	43	380346	91.909	ug/l 100
31) 2,2-Dichloropropane	6.82	77	287883	20.220	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	318799	19.811	ug/l 98
33) Carbon Tetrachloride	7.77	117	283998	20.170	ug/l 98
34) Benzene	8.04	78	937216	20.156	ug/l 99
35) Methacrylonitrile	7.17	41	93856	18.280	ug/l 97
36) 1,2-Dichloroethane	8.12	62	277401	19.688	ug/l # 74
37) Trichloroethene	8.83	130	236293	20.041	ug/l 98
38) Methylcyclohexane	9.08	83	397444	20.760	ug/l 98
39) 1,2-Dichloropropane	9.12	63	247208	19.834	ug/l 96
40) Dibromomethane	9.21	93	135731	20.152	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	291871	19.614	ug/l	98
42) Vinyl Acetate	5.89	43	2196265	98.089	ug/l	99
43) Ethyl Acetate	6.93	43	167675	19.055	ug/l #	87
44) Isopropyl Acetate	8.16	43	299913	19.433	ug/l	99
45) 1,4-Dioxane	9.20	88	25154	297.937	ug/l	92
46) Methyl methacrylate	9.20	41	154573	19.290	ug/l	98
47) n-amyl Acetate	12.07	43	240677	18.809	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	282296	19.565	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	346950	19.736	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	187350	19.623	ug/l	99
51) Ethyl methacrylate	10.43	69	232648	19.402	ug/l	95
52) 1,3-Dichloropropane	10.71	76	328775	19.347	ug/l	100
53) Dibromochloromethane	10.90	129	204118	19.419	ug/l	95
54) 1,2-Dibromoethane	11.01	107	185837	19.919	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	674184	96.051	ug/l	100
56) Bromoform	12.13	173	131258	19.104	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	821313	96.298	ug/l	99
59) 2-Hexanone	10.75	43	553155	94.943	ug/l	99
61) Tetrachloroethene	10.63	164	223790	20.654	ug/l	98
62) Toluene	10.16	91	982532	20.259	ug/l	99
64) Chlorobenzene	11.43	112	607010	20.506	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	206459	20.093	ug/l	99
66) Ethyl Benzene	11.51	91	1062380	20.325	ug/l	99
67) m/p-Xylenes	11.62	106	806476	41.414	ug/l	98
68) o-Xylene	11.95	106	385151	20.378	ug/l	98
69) Styrene	11.96	104	621682	20.378	ug/l	100
70) Isopropylbenzene	12.25	105	1042972	20.740	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	214022	19.564	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	270439	28.799	ug/l	52
73) Bromobenzene	12.53	156	249327	20.499	ug/l	98
74) n-propylbenzene	12.59	91	1213377	20.708	ug/l	99
75) 2-Chlorotoluene	12.68	91	705534	20.745	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	856901	21.096	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55977	18.870	ug/l	97
78) 4-Chlorotoluene	12.77	91	700830	20.635	ug/l	100
79) tert-butylbenzene	12.99	119	745396	21.072	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	852276	20.969	ug/l	99
81) sec-Butylbenzene	13.17	105	1033562	20.977	ug/l	100
82) p-Isopropyltoluene	13.29	119	882710	21.039	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	448102	20.948	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	430491	20.830	ug/l	99
85) n-Butylbenzene	13.62	91	752176	20.871	ug/l	100
86) Hexachloroethane	13.88	117	144395	20.312	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	422123	20.737	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30017	19.589	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	208419	20.782	ug/l	98
90) Hexachlorobutadiene	15.01	225	156698	23.818	ug/l	100
91) Naphthalene	15.14	128	418795	20.678	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	194969	21.095	ug/l	97

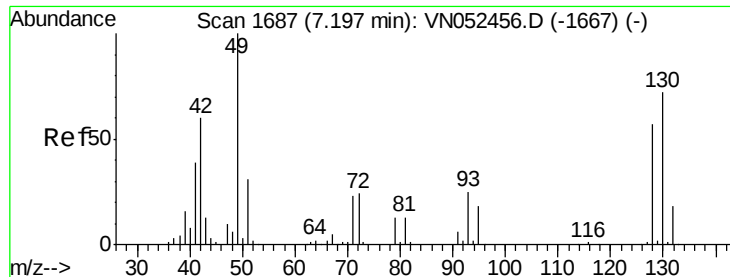
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :

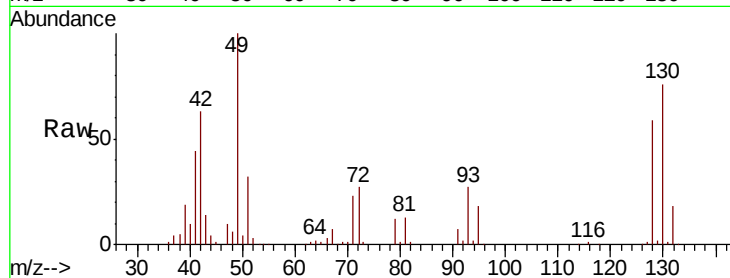
Tot Ion:128 Resp: 171167

Ion Ratio Lower Upper

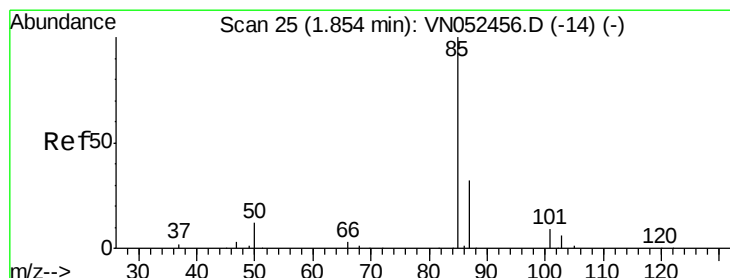
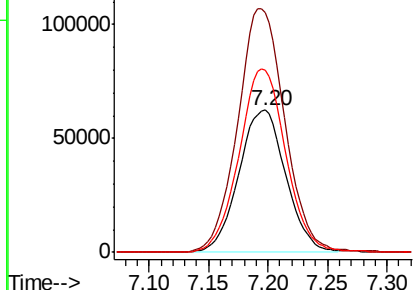
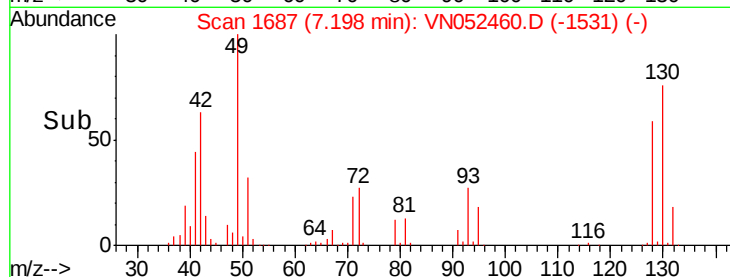
128 100

49 171.9 0.0 431.8

130 128.0 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.507 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052460.D

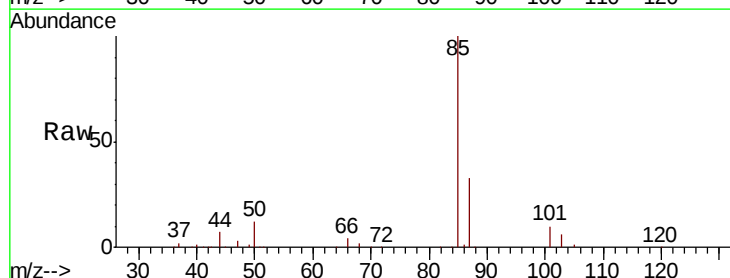
Acq: 26 Nov 2018 15:42

Tgt Ion: 85 Resp: 199909

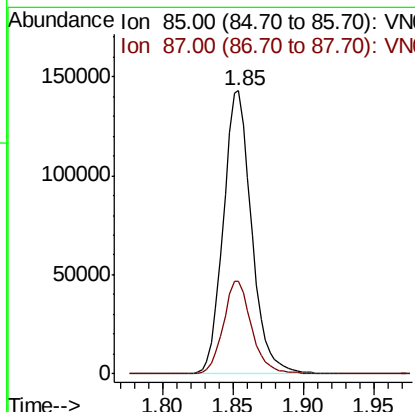
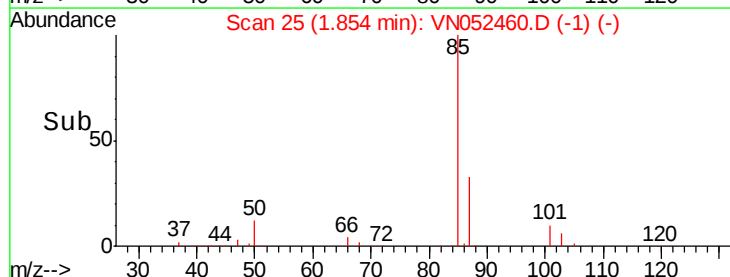
Ion Ratio Lower Upper

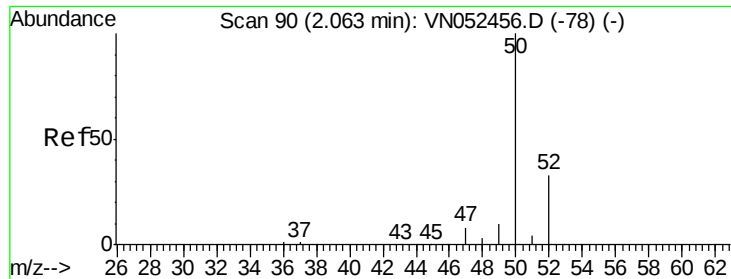
85 100

87 32.8 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN

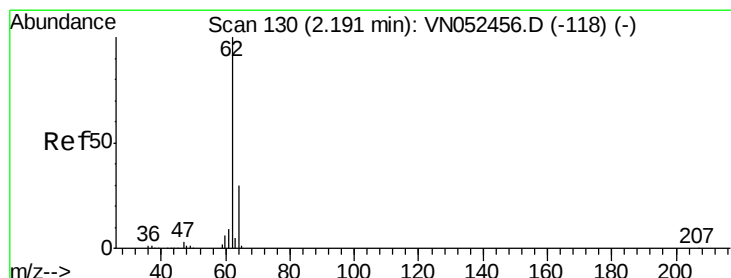
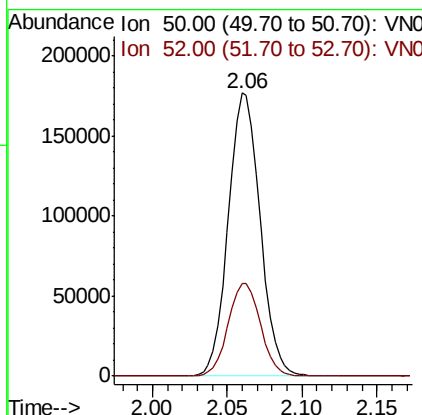
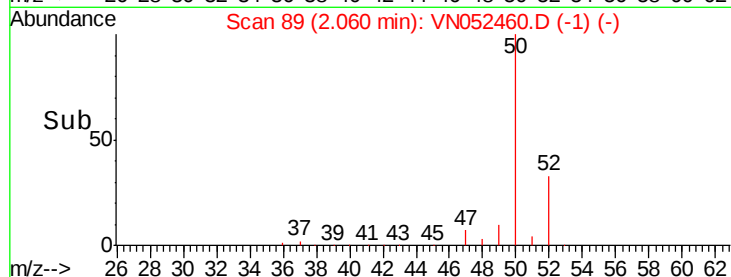
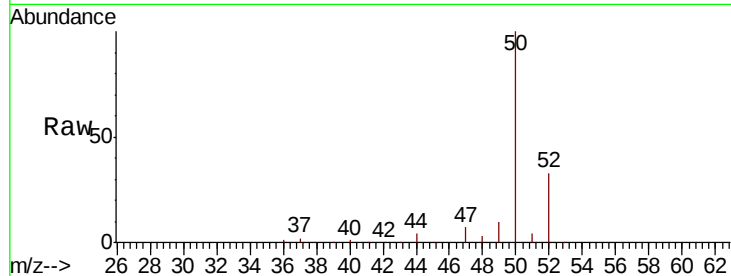




#3
 Chloromethane
 Concen: 20.312 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

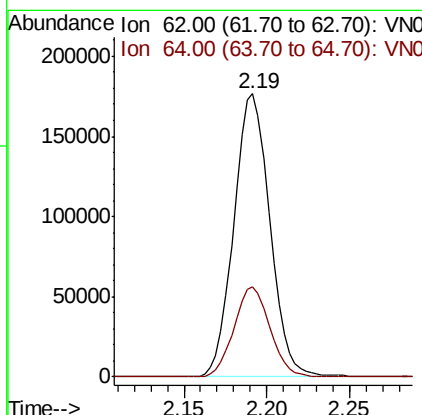
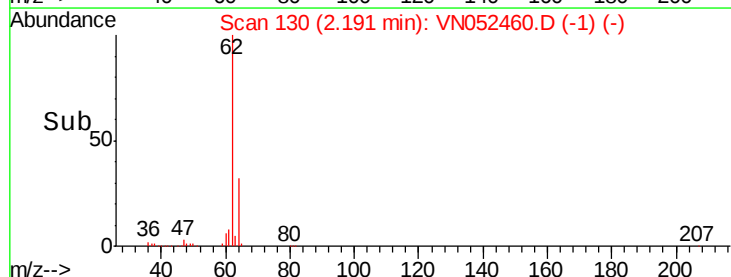
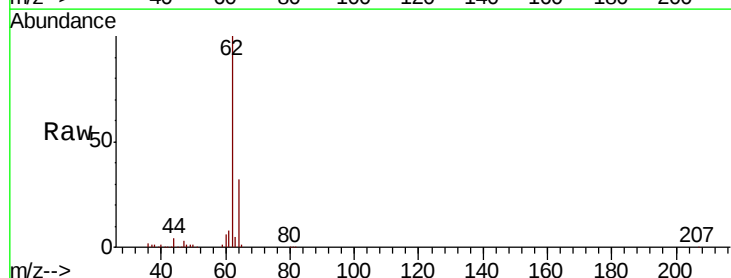
Instrument :
 MSVOA_N
 ClientSampled :

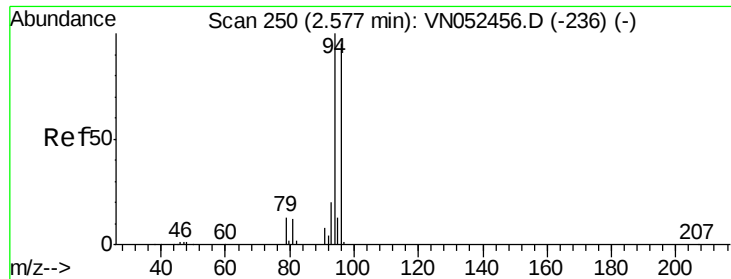
Tot Ion: 50 Resp: 262606
 Ion Ratio Lower Upper
 50 100
 52 32.7 26.5 39.7



#4
 Vinyl Chloride
 Concen: 20.464 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 62 Resp: 267026
 Ion Ratio Lower Upper
 62 100
 64 31.8 24.2 36.4





#5

Bromomethane

Concen: 22.699 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

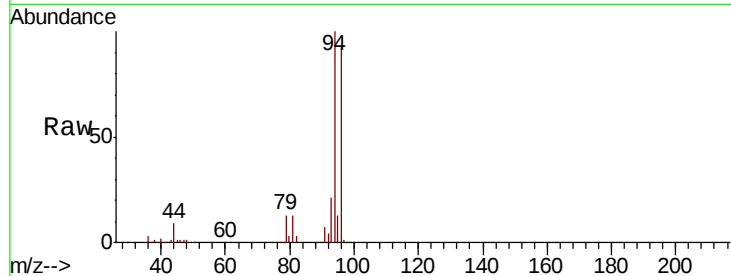
ClientSampled :

Tot Ion: 94 Resp: 168883

Ion Ratio Lower Upper

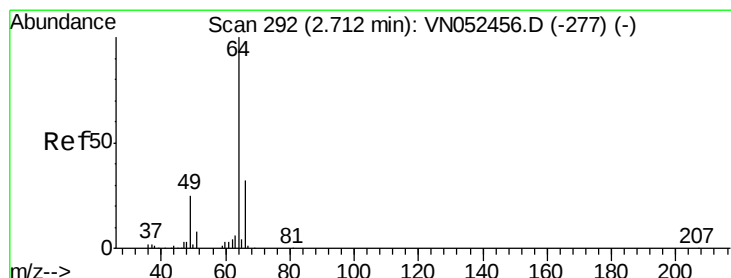
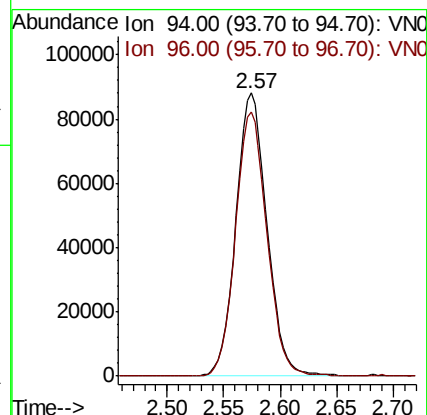
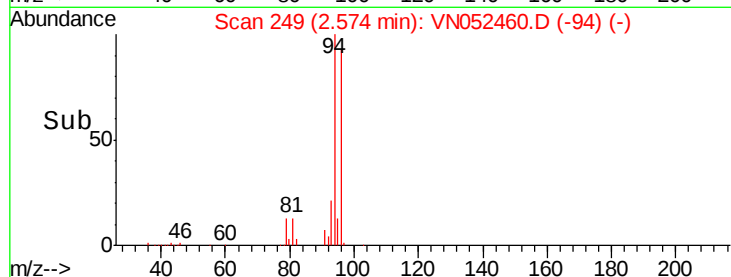
94 100

96 93.5 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN052460.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VN052460.D (-96) (-)



#6

Chloroethane

Concen: 20.799 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052460.D

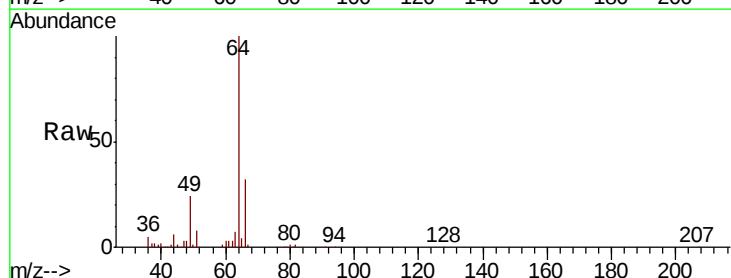
Acq: 26 Nov 2018 15:42

Tgt Ion: 64 Resp: 161396

Ion Ratio Lower Upper

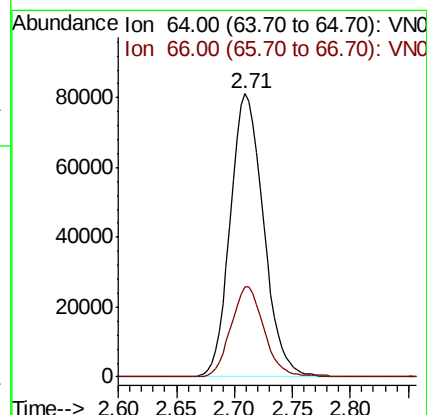
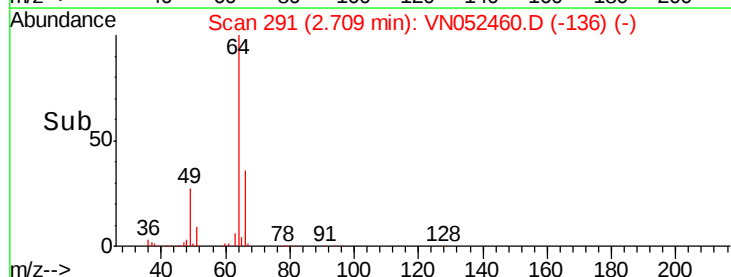
64 100

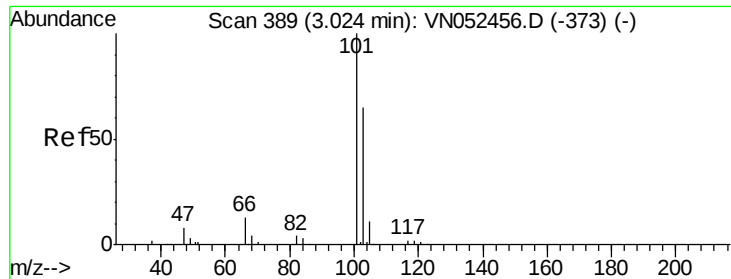
66 31.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN052460.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VN052460.D (-66) (-)



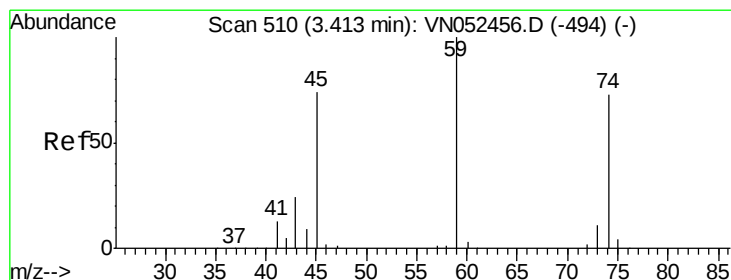
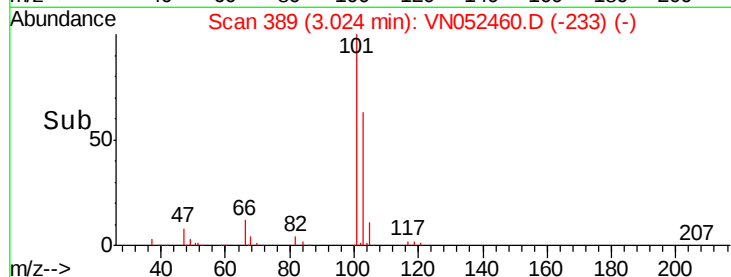
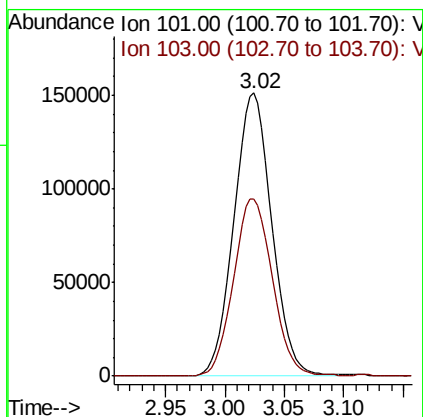
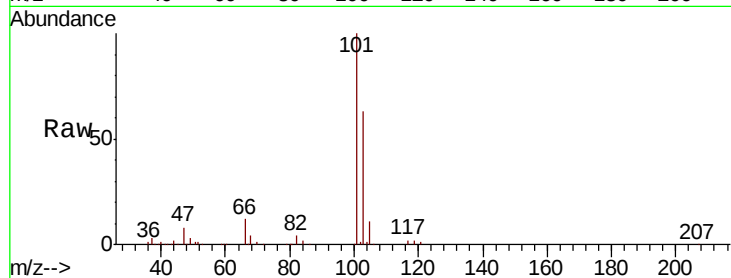


#7

Trichlorofluoromethane
 Concen: 20.773 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
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 ClientSampleId :

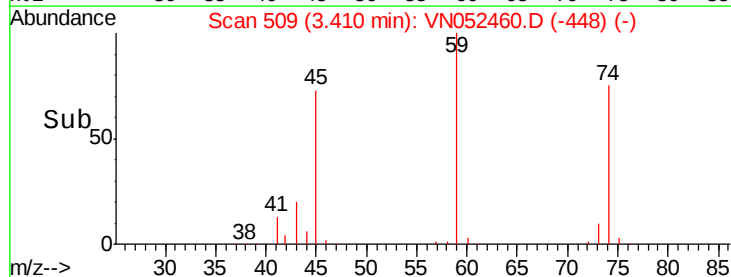
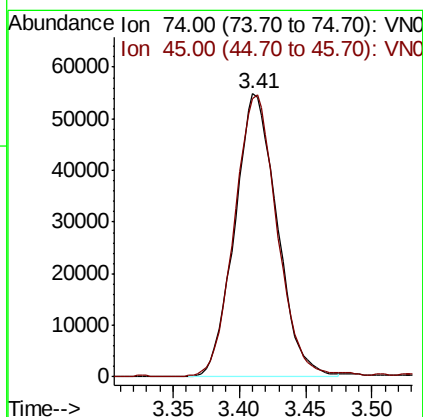
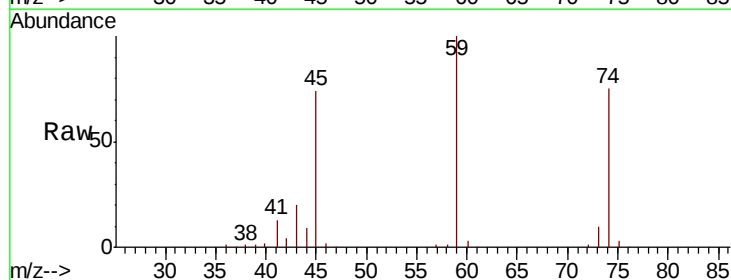
Tot Ion:101 Resp: 334525
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.1 78.1

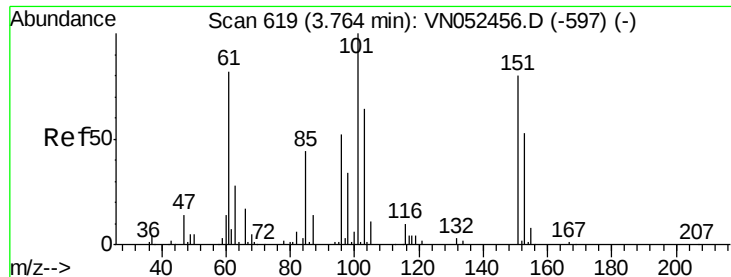


#8

Diethyl Ether
 Concen: 20.534 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 74 Resp: 122103
 Ion Ratio Lower Upper
 74 100
 45 101.0 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.709 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampled :

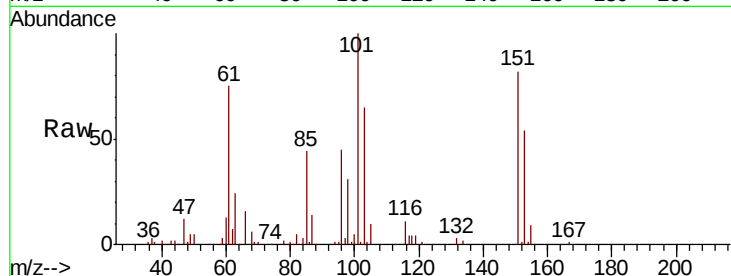
Tot Ion:101 Resp: 211410

Ion Ratio Lower Upper

101 100

85 42.7 0.0 82.6

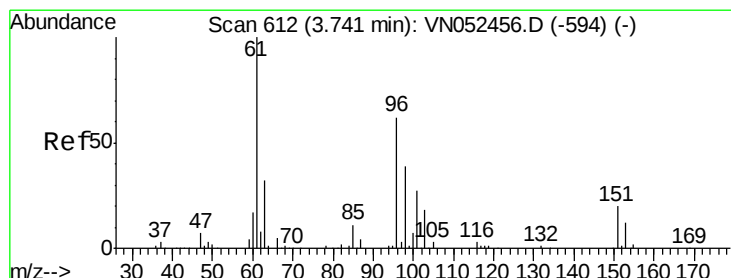
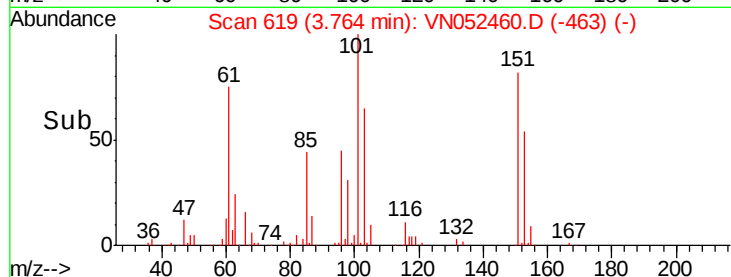
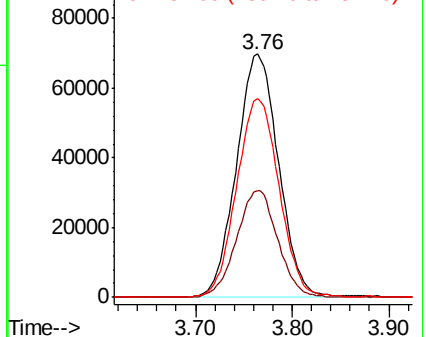
151 82.5 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.786 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

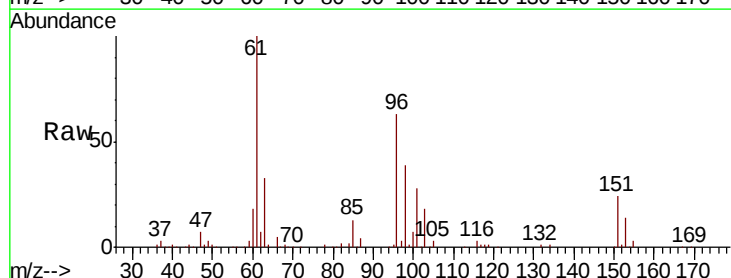
Tgt Ion: 96 Resp: 199521

Ion Ratio Lower Upper

96 100

61 159.5 129.4 194.2

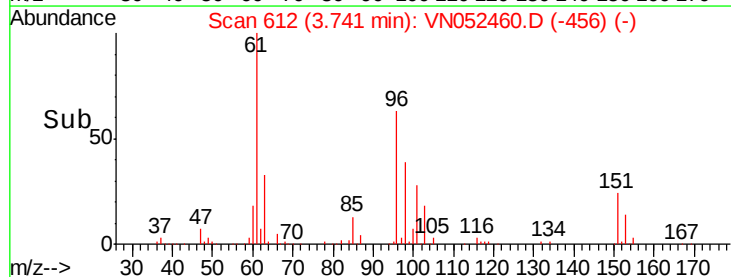
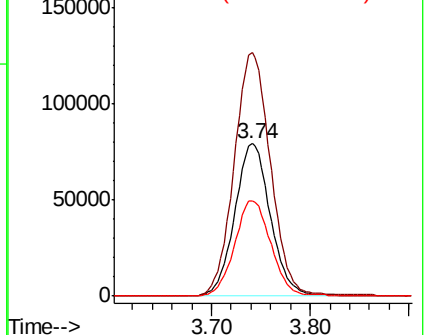
98 62.6 50.4 75.6

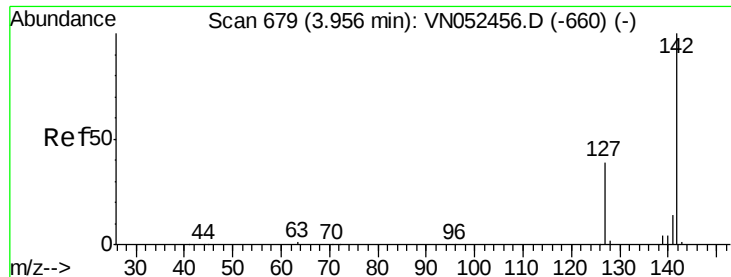


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

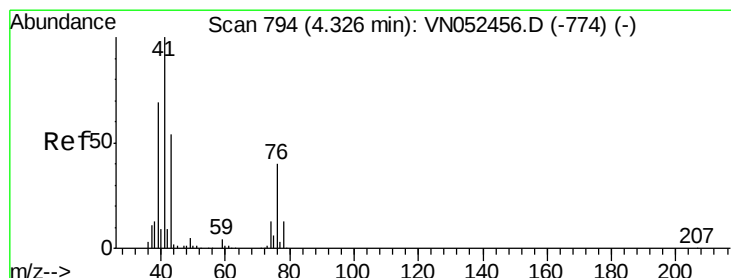
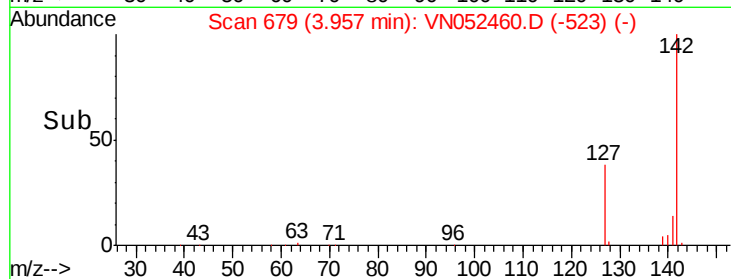
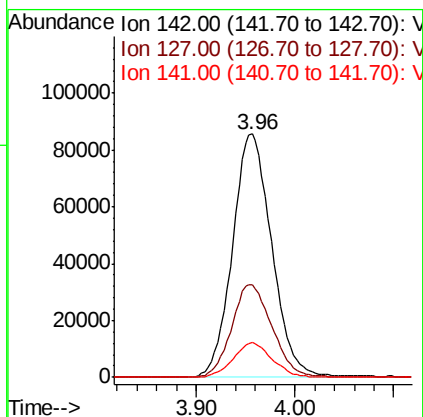
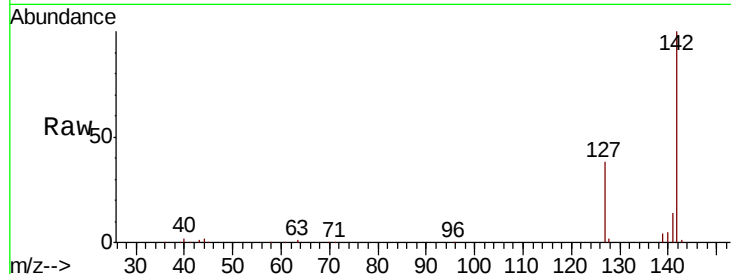




#11
Methyl Iodide
Concen: 17.734 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

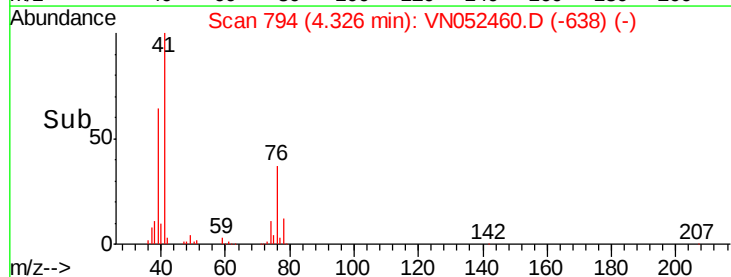
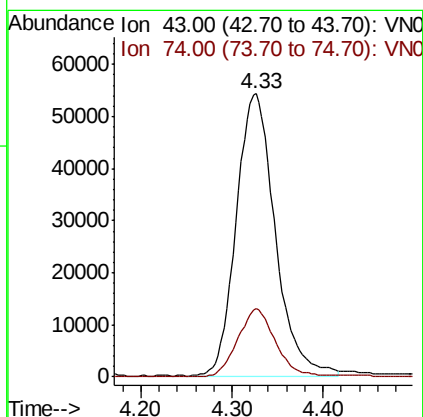
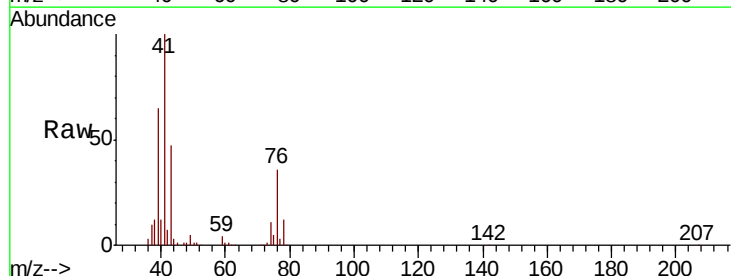
Instrument :
MSVOA_N
ClientSampled :

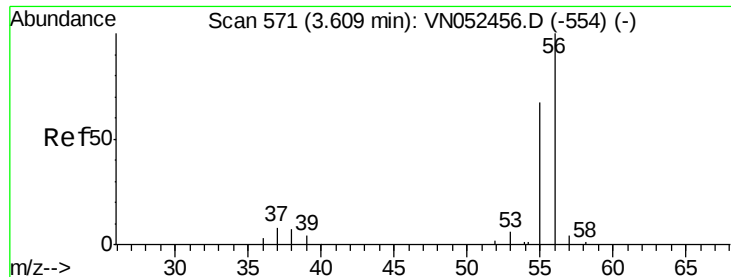
Tot Ion:142 Resp: 236342
Ion Ratio Lower Upper
142 100
127 37.8 19.4 58.1
141 14.3 7.2 21.6



#12
Methyl Acetate
Concen: 19.762 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 43 Resp: 161172
Ion Ratio Lower Upper
43 100
74 24.2 18.9 28.3





#13

Acrolein

Concen: 89.969 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

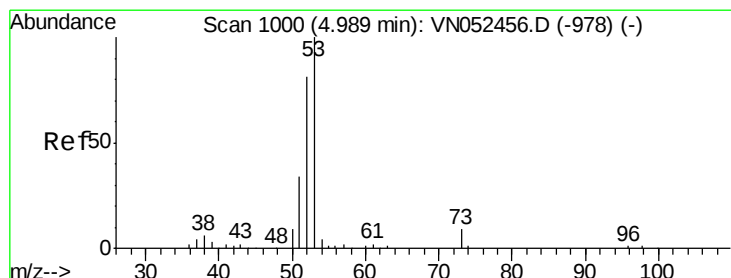
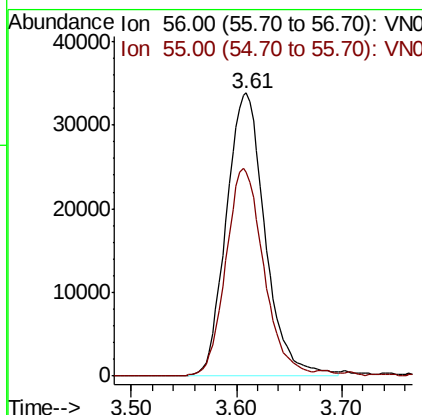
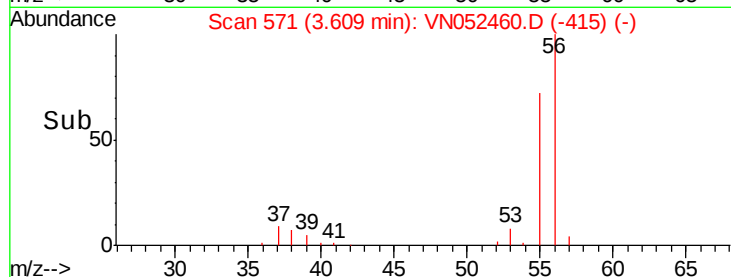
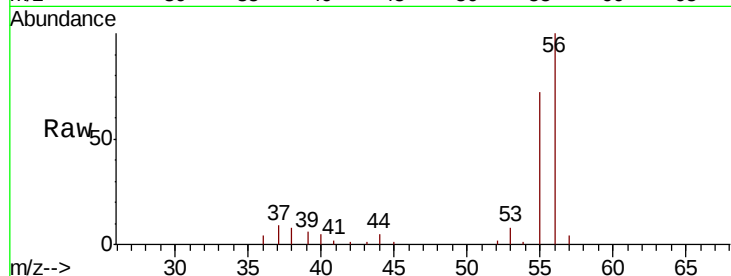
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 86191

Ion Ratio Lower Upper

56 100

55 71.7 56.7 85.1



#14

Acrylonitrile

Concen: 97.730 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

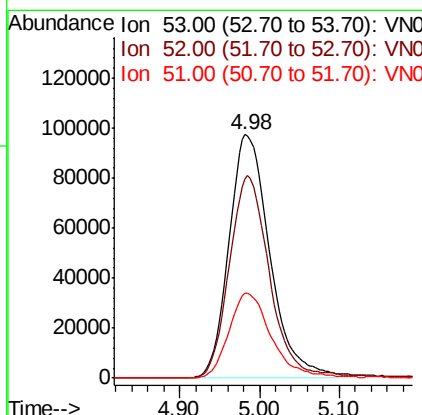
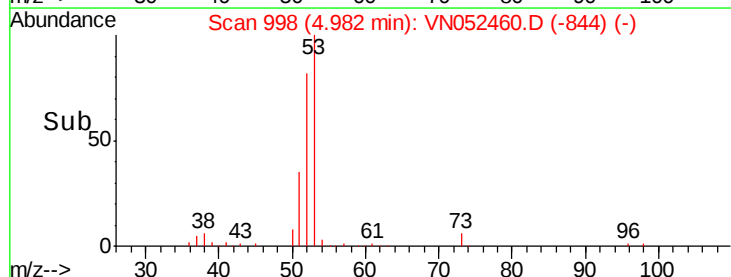
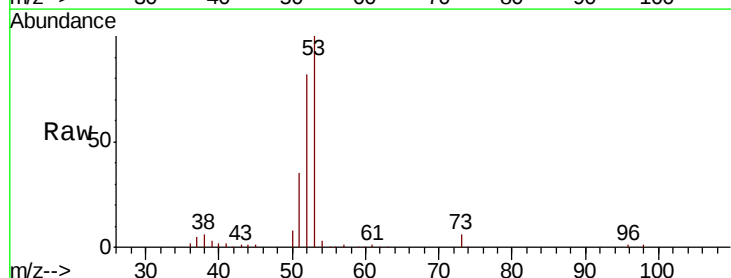
Tgt Ion: 53 Resp: 339609

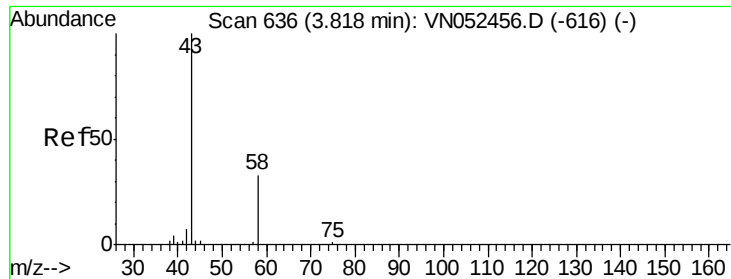
Ion Ratio Lower Upper

53 100

52 80.4 39.9 119.7

51 35.5 17.6 52.9





#15

Acetone

Concen: 91.000 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

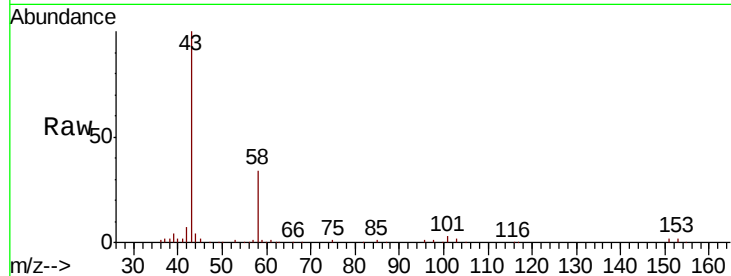
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 58 Resp: 81895

Ion Ratio Lower Upper

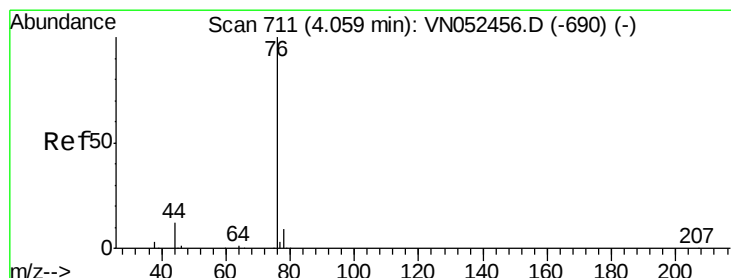
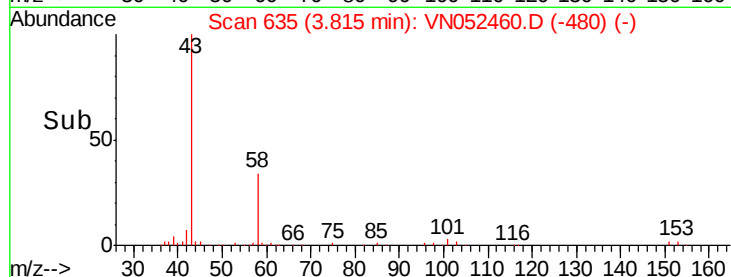
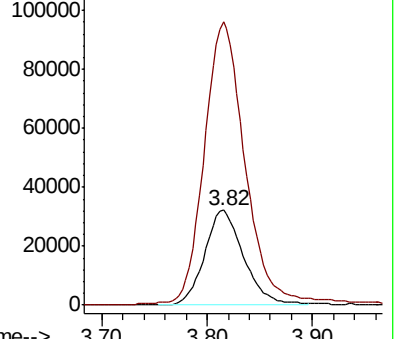
58 100

43 296.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052456.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-616) (-)



#16

Carbon Disulfide

Concen: 20.591 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052460.D

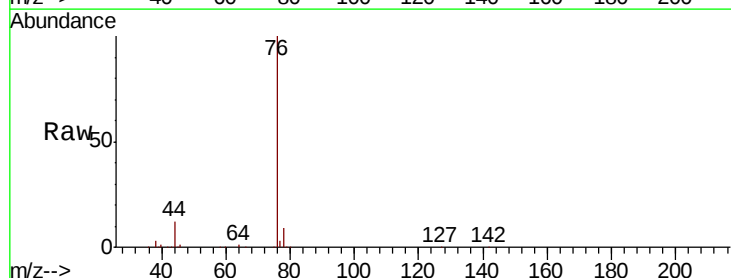
Acq: 26 Nov 2018 15:42

Tgt Ion: 76 Resp: 625759

Ion Ratio Lower Upper

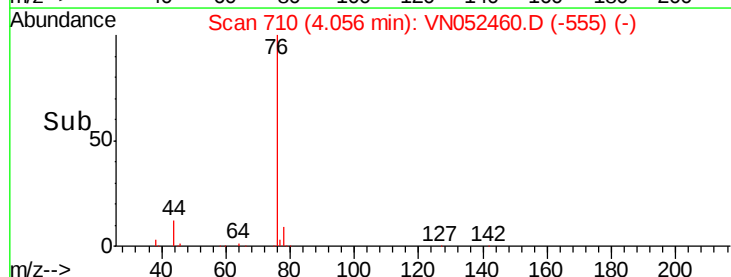
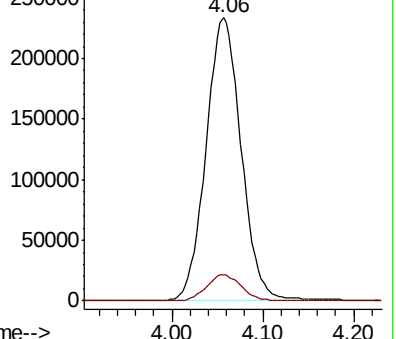
76 100

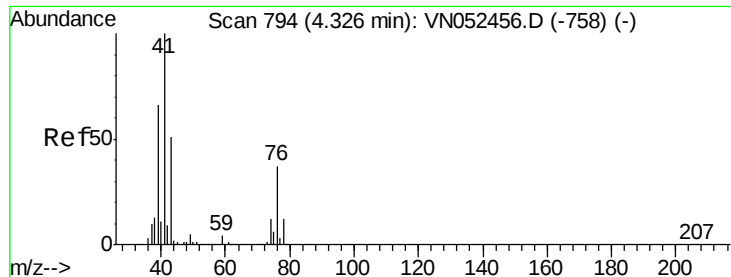
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)

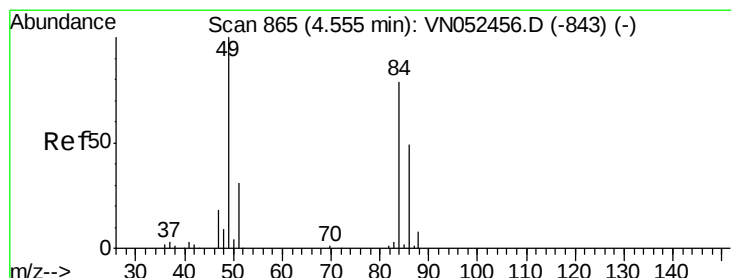
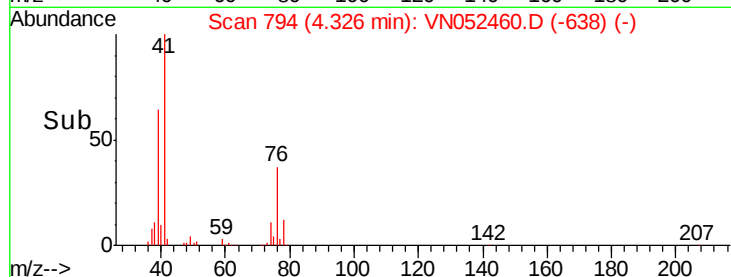
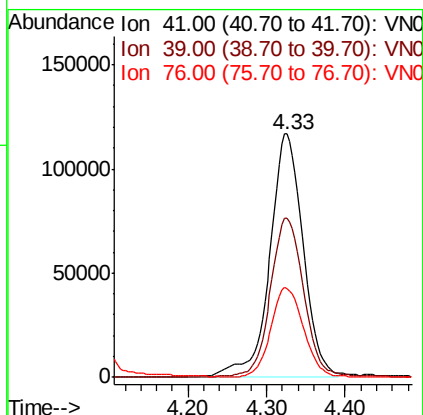
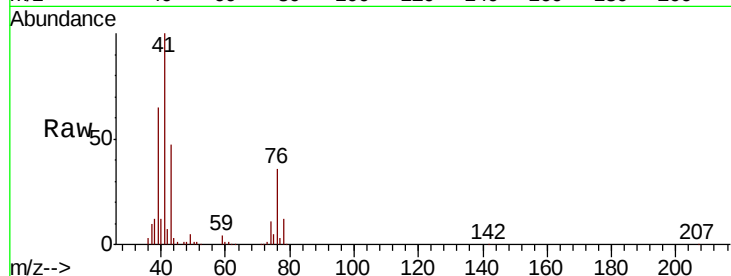




#17
Allvl chloride
Concen: 20.647 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

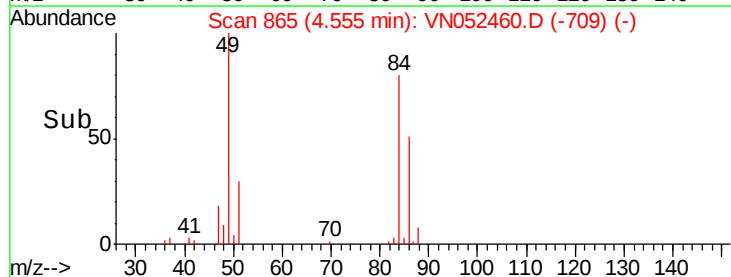
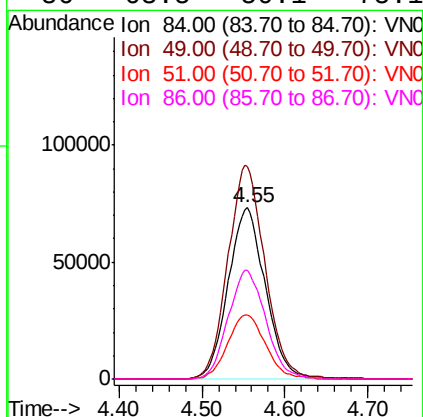
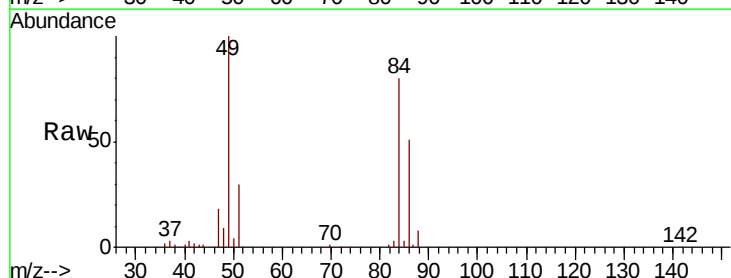
Instrument :
MSVOA_N
ClientSampleId :

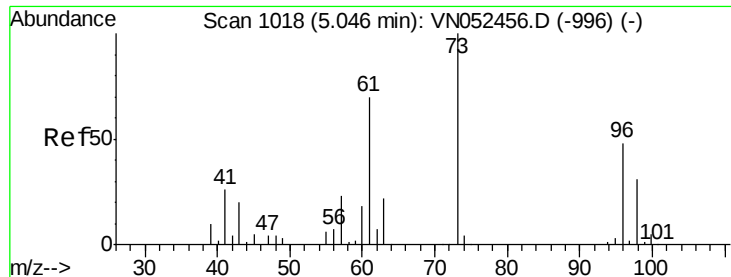
Tot Ion: 41 Resp: 345627
Ion Ratio Lower Upper
41 100
39 65.3 32.8 98.3
76 35.7 18.6 55.8



#18
Methylene Chloride
Concen: 20.562 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 84 Resp: 228519
Ion Ratio Lower Upper
84 100
49 124.0 101.4 152.0
51 37.5 31.7 47.5
86 63.5 50.1 75.1

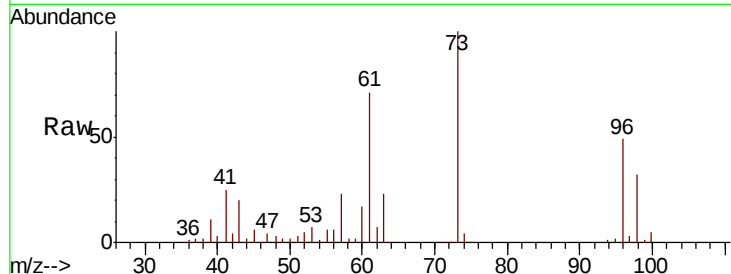




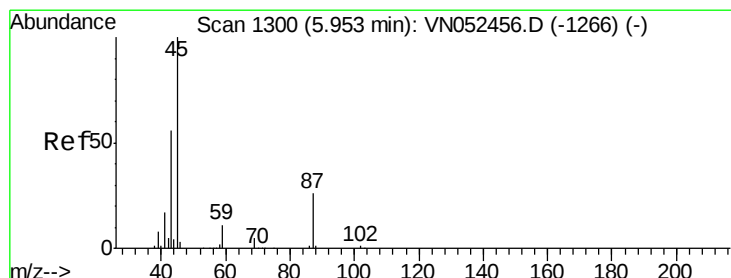
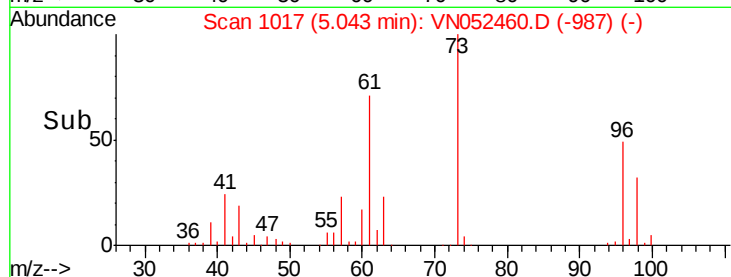
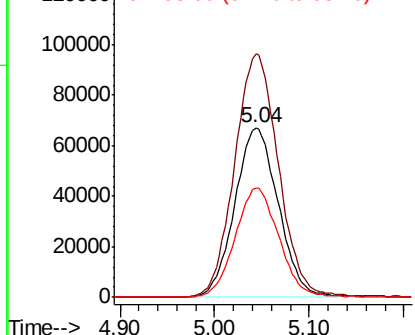
#19
trans-1,2-Dichloroethene
Concen: 20.775 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 214606
Ion Ratio Lower Upper
96 100
61 143.3 118.2 177.4
98 64.7 51.4 77.2

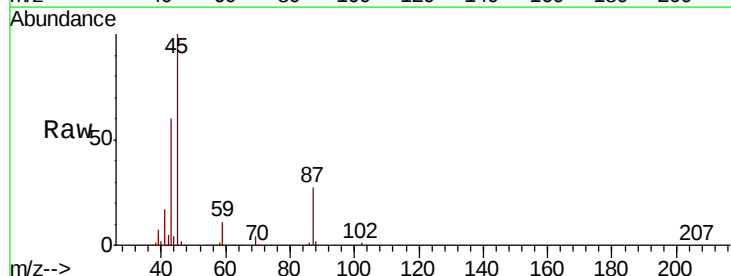


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

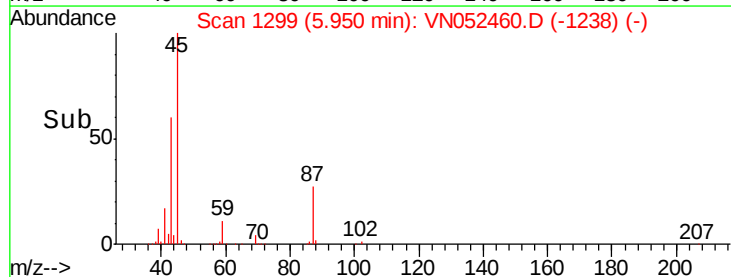
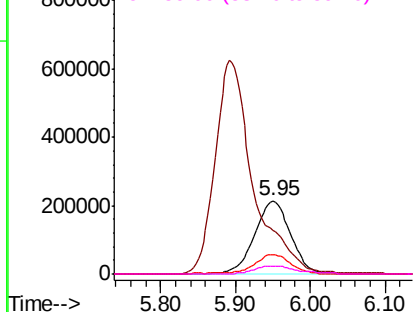


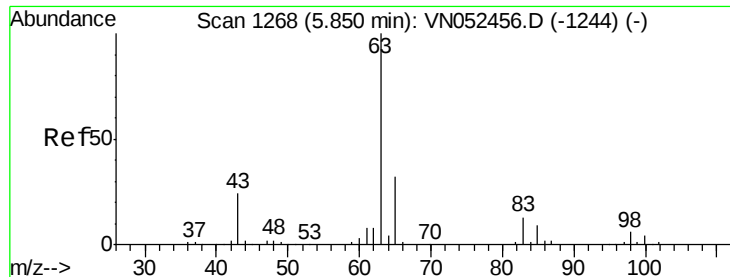
#20
Diisopropyl ether
Concen: 20.353 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 45 Resp: 715976
Ion Ratio Lower Upper
45 100
43 58.0 47.8 71.8
87 26.7 21.3 31.9
59 10.9 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

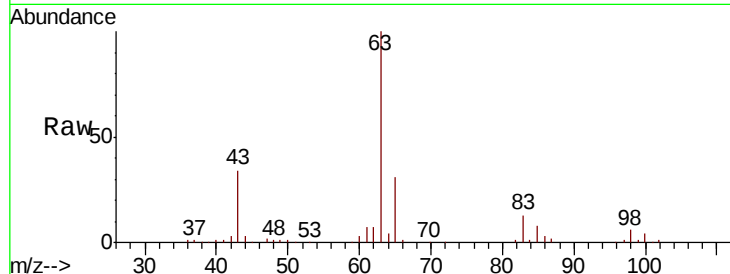




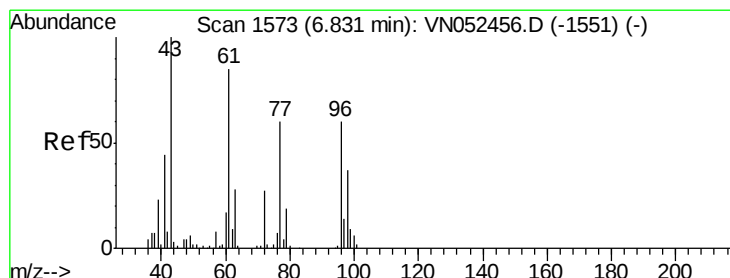
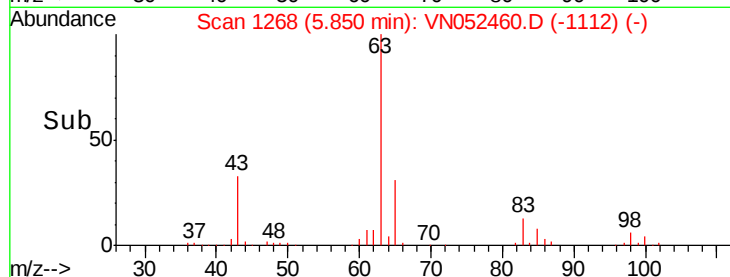
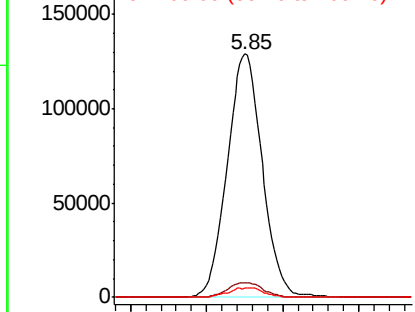
#21
 1,1-Dichloroethane
 Concen: 20.642 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	3.6	1.8	5.5

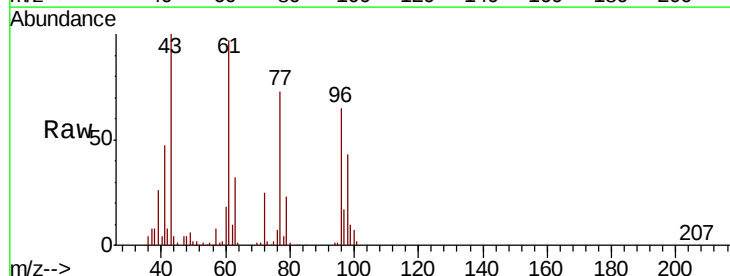


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

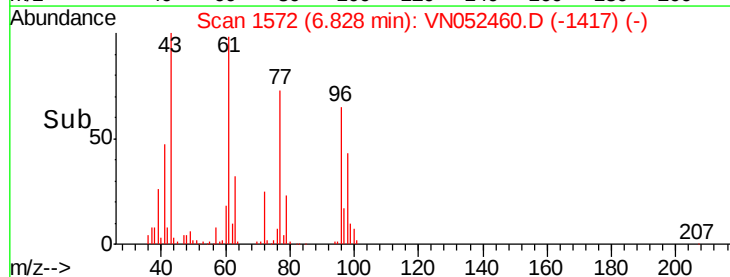
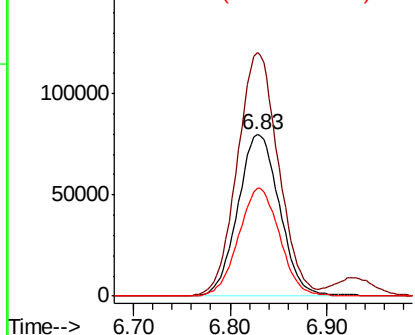


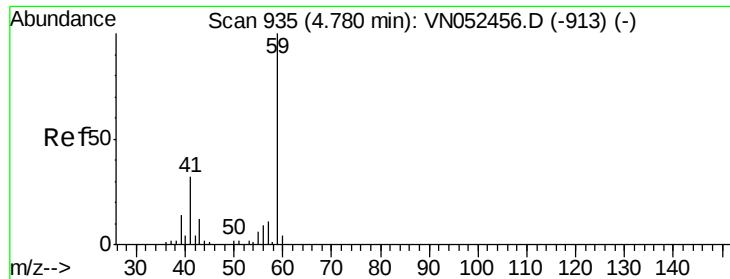
#22
 cis-1,2-Dichloroethene
 Concen: 20.182 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	116.7	175.1
98	65.8	50.8	76.2



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



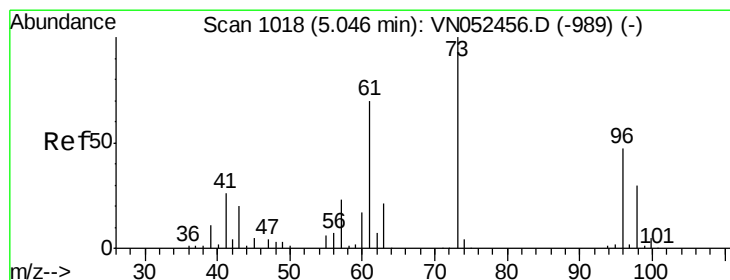
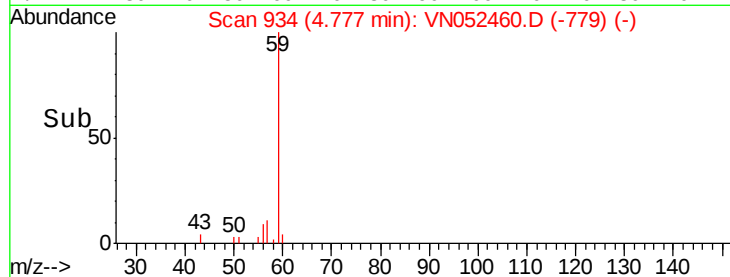
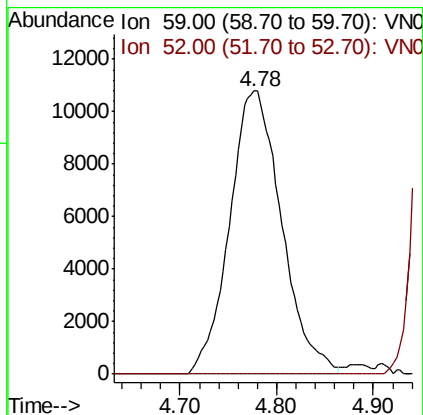
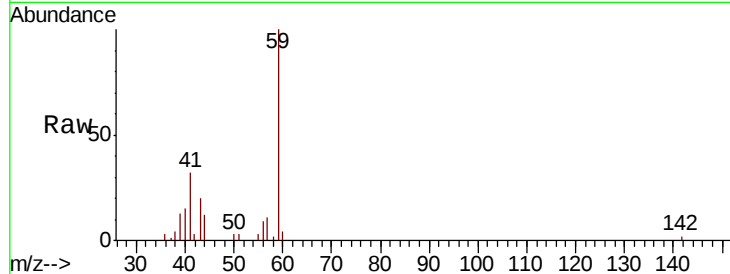


#23

tert-Butyl Alcohol
 Concen: 78.064 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampled :

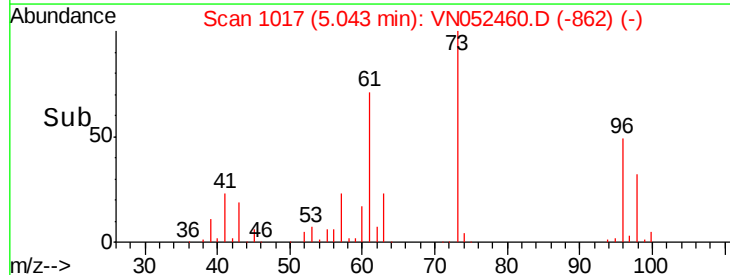
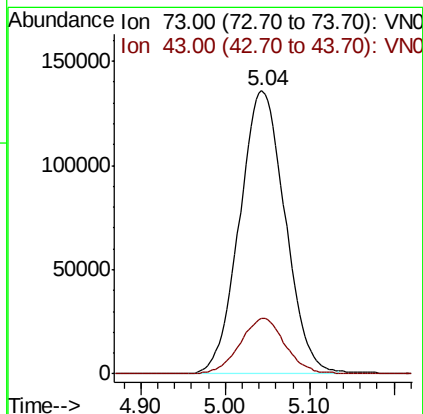
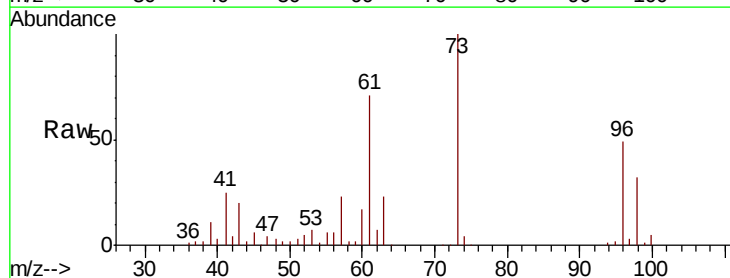
Tot Ion: 59 Resp: 40354
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

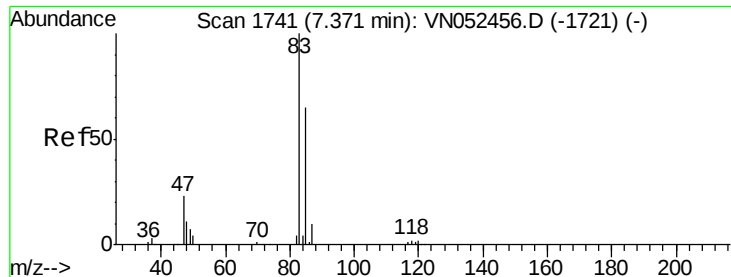


#24

Methyl tert-Butyl Ether
 Concen: 20.254 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 73 Resp: 510021
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.8 23.8

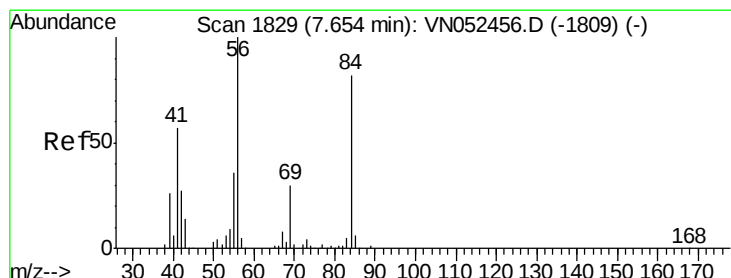
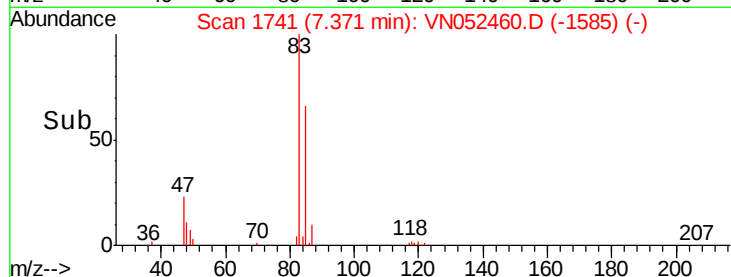
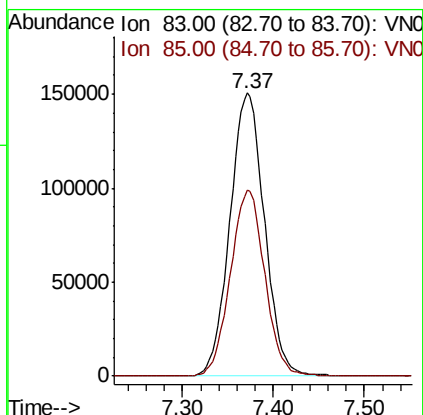
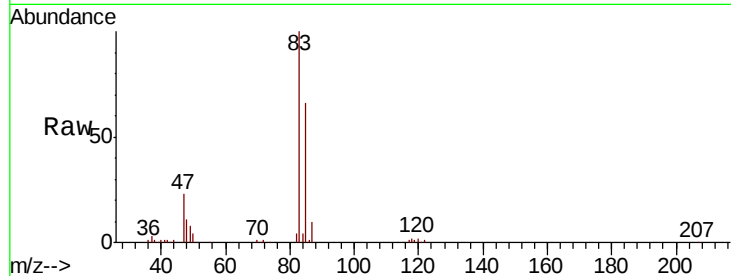




#25
Chloroform
Concen: 20.537 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

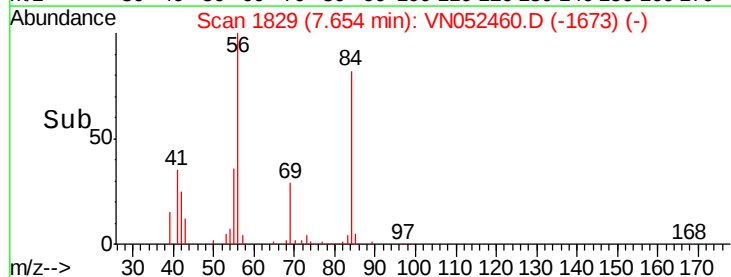
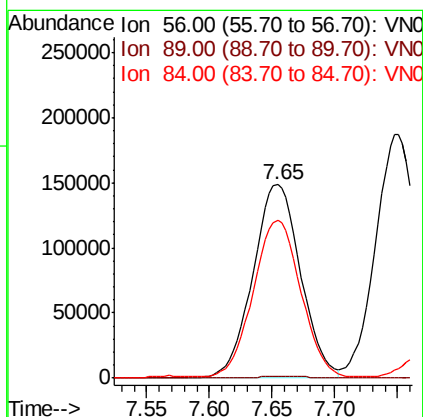
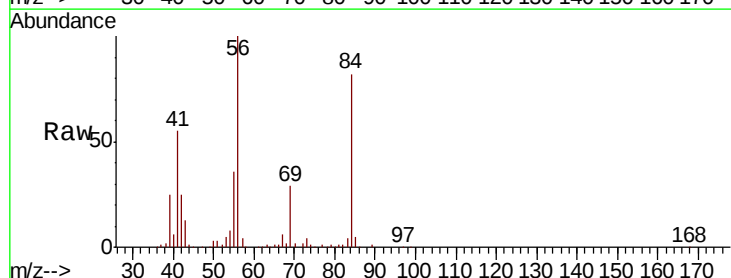
Instrument :
MSVOA_N
ClientSampleId :

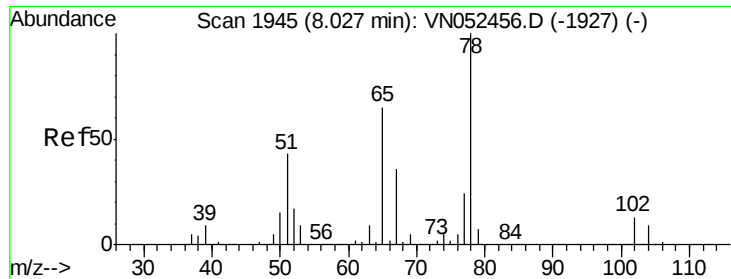
Tot Ion: 83 Resp: 397240
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5



#26
Cyclohexane
Concen: 20.815 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 56 Resp: 393611
Ion Ratio Lower Upper
56 100
89 1.0 0.5 0.7#
84 82.4 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 20.815 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

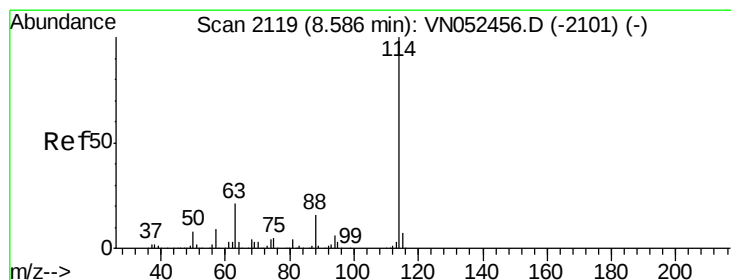
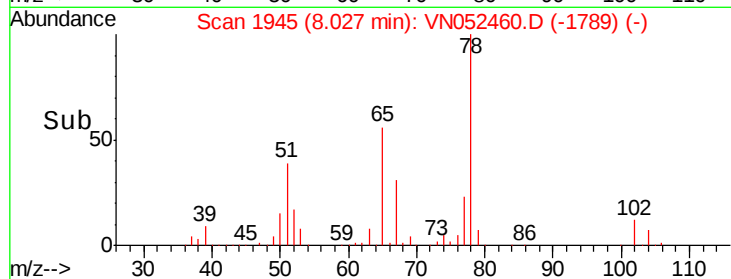
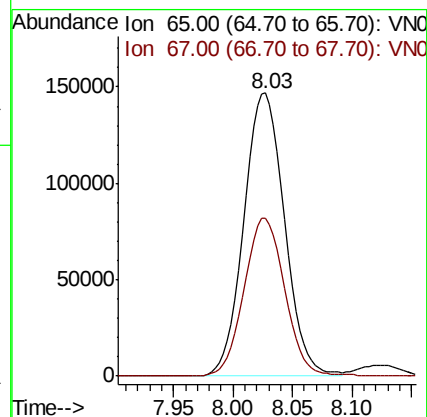
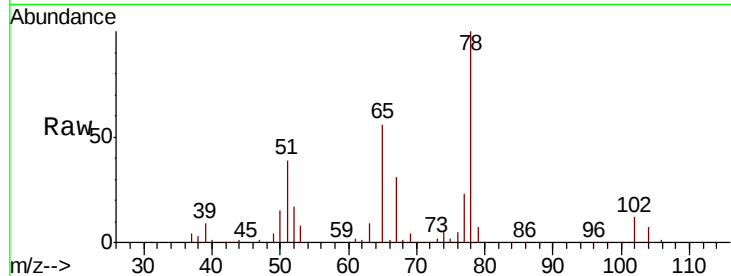
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 348477

Ion Ratio Lower Upper

65 100

67 55.9 44.6 66.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

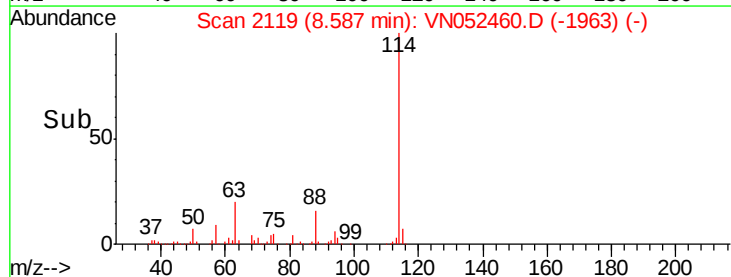
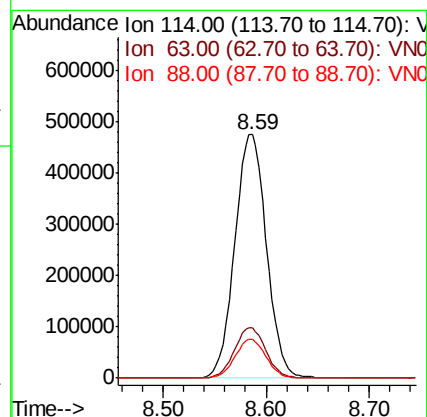
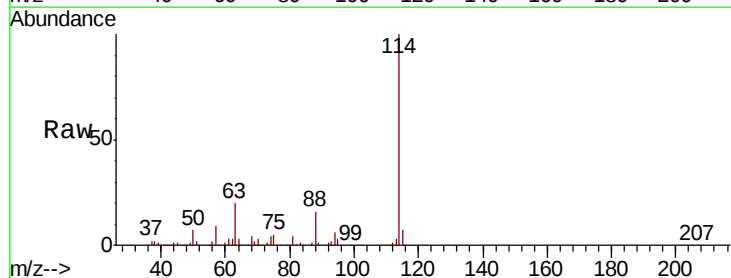
Tgt Ion: 114 Resp: 1012723

Ion Ratio Lower Upper

114 100

63 20.5 16.9 25.3

88 15.6 12.8 19.2

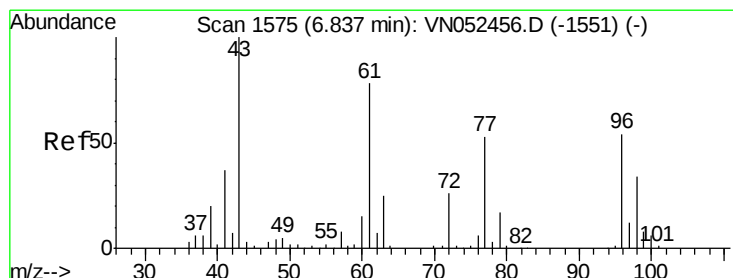
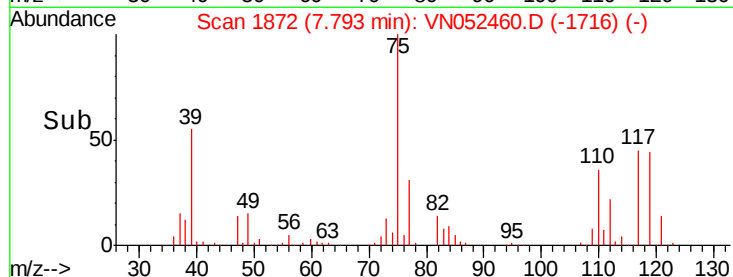
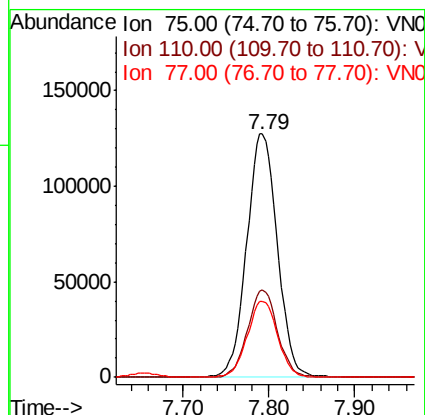
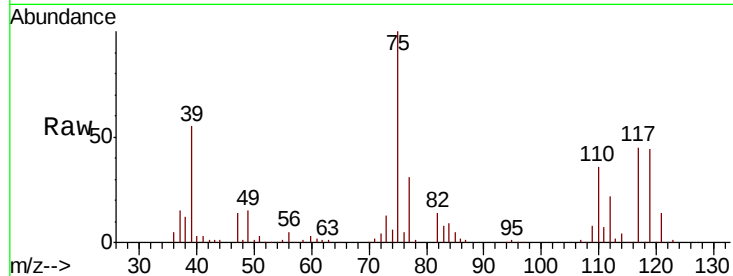




#29
 1,1-Dichloropropene
 Concen: 20.428 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

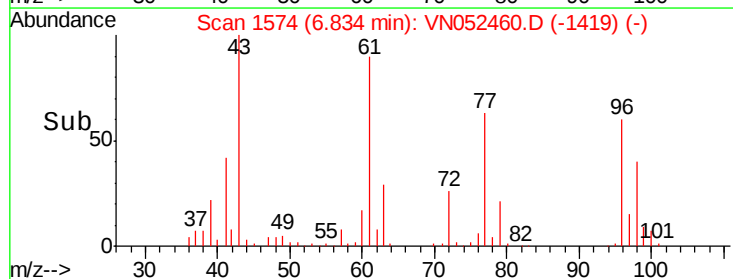
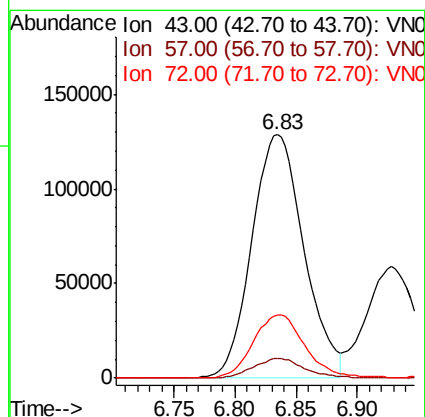
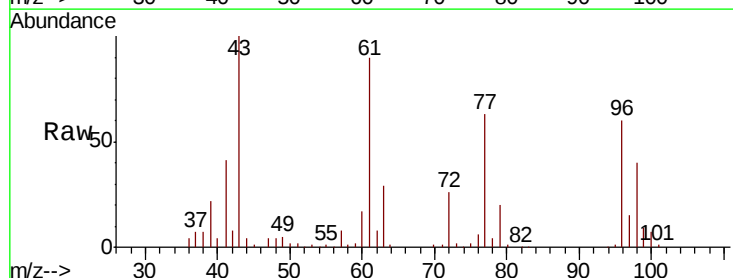
Instrument :
 MSVOA_N
 ClientSampleId :

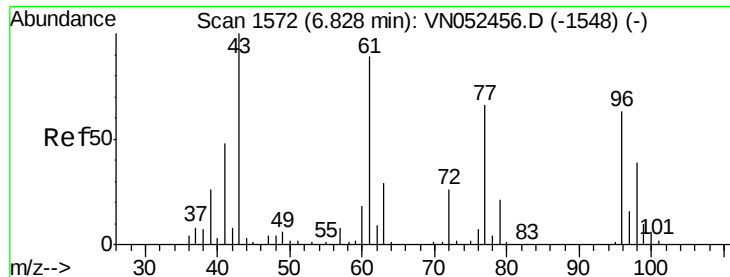
Tot Ion: 75 Resp: 315932
 Ion Ratio Lower Upper
 75 100
 110 35.0 0.0 70.2
 77 31.0 0.0 62.6



#30
 2-Butanone
 Concen: 91.909 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 43 Resp: 380346
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.2 9.4
 72 26.0 21.0 31.6





#31

2,2-Dichloropropane

Concen: 20.220 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

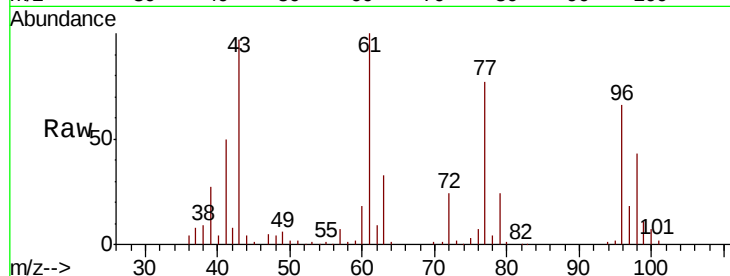
ClientSampleId :

Tot Ion: 77 Resp: 287883

Ion Ratio Lower Upper

77 100

97 23.9 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.82

100000

80000

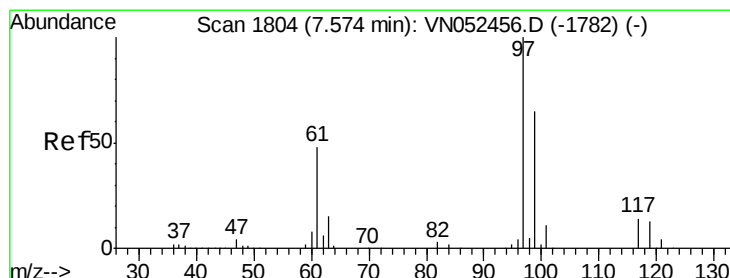
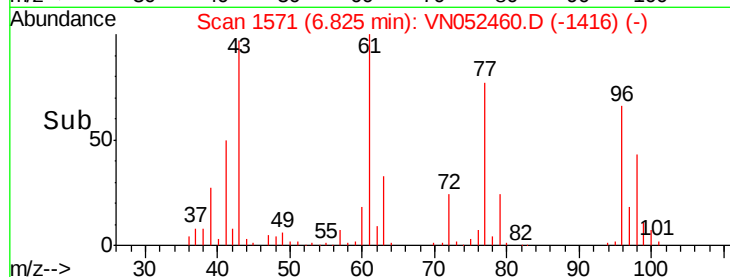
60000

40000

20000

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 19.811 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

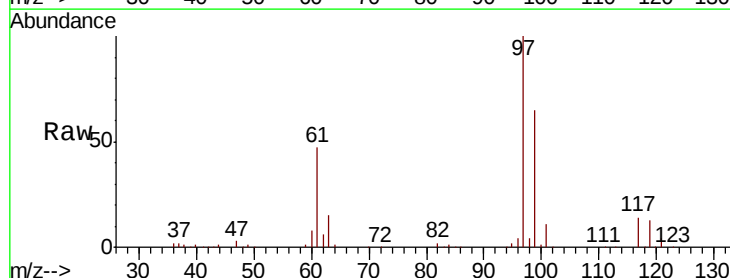
Tgt Ion: 97 Resp: 318799

Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

61 46.1 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

7.57

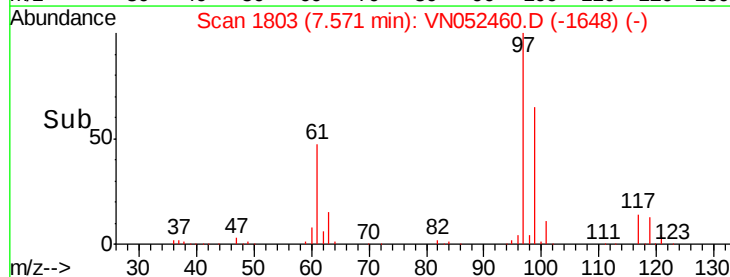
150000

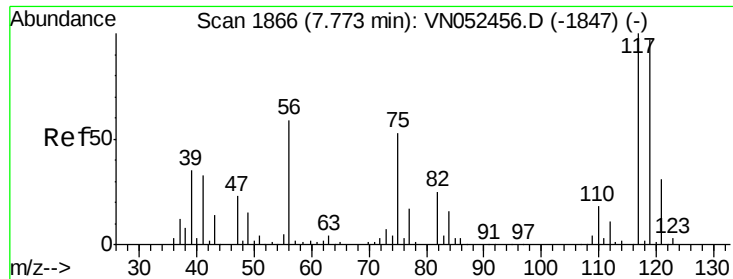
100000

50000

0

Time-->





#33

Carbon Tetrachloride

Concen: 20.170 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

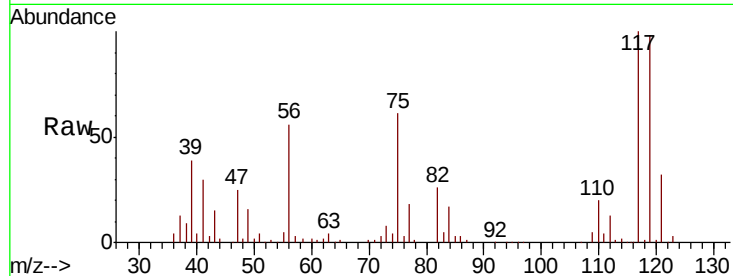
Tot Ion:117 Resp: 283998

Ion Ratio Lower Upper

117 100

119 98.4 77.3 115.9

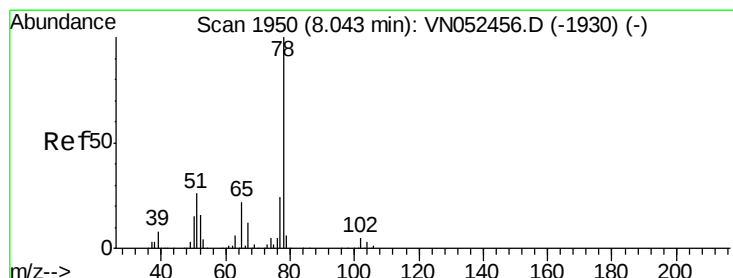
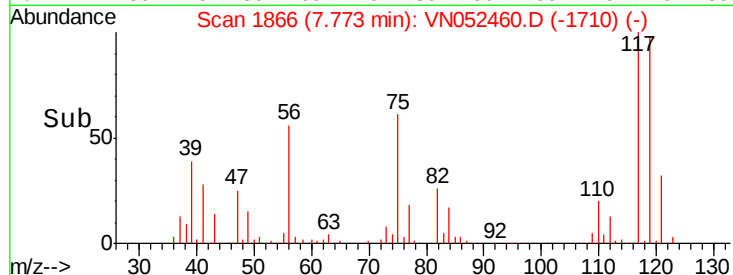
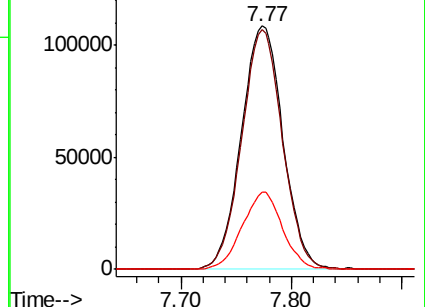
121 31.6 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.156 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

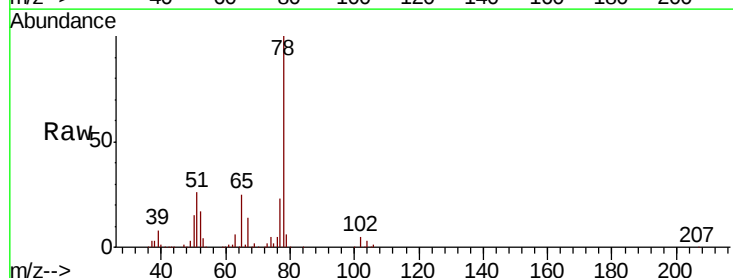
Tgt Ion: 78 Resp: 937216

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

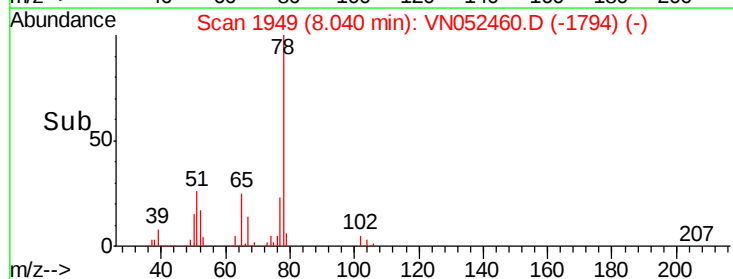
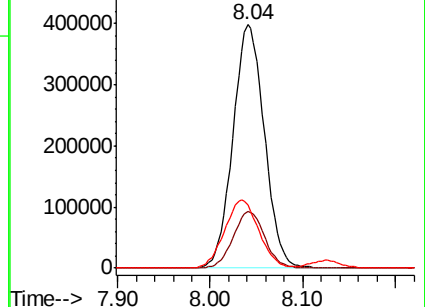
51 25.8 20.5 30.7

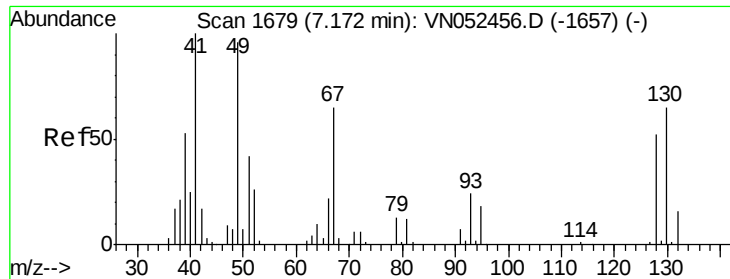


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

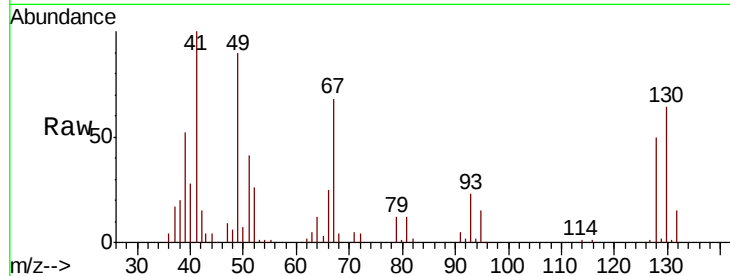




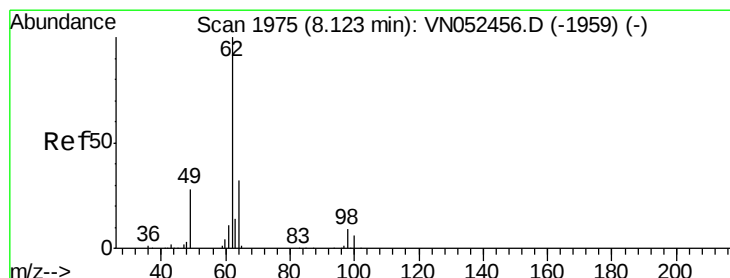
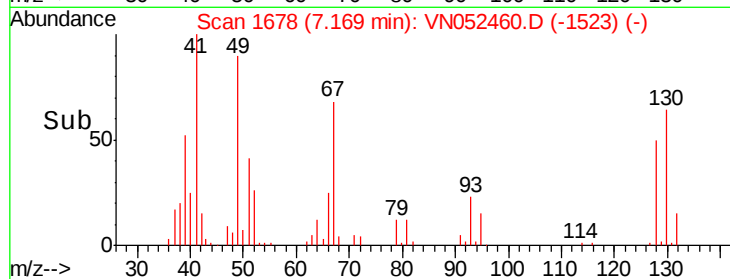
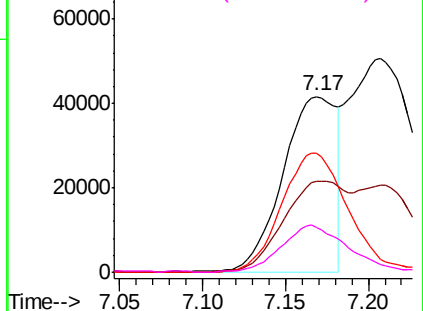
#35
Methacrylonitrile
Concen: 18.280 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 93856
Ion Ratio Lower Upper
41 100
39 51.7 26.6 79.7
67 67.8 32.3 96.9
52 25.3 13.0 38.9

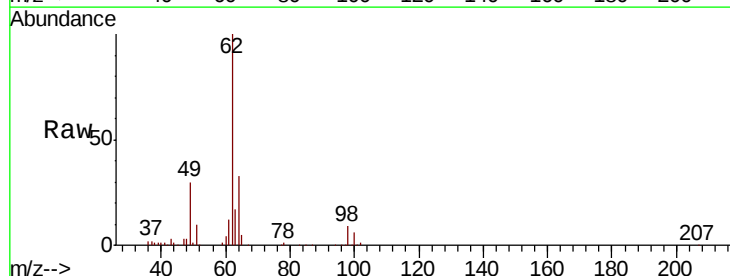


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

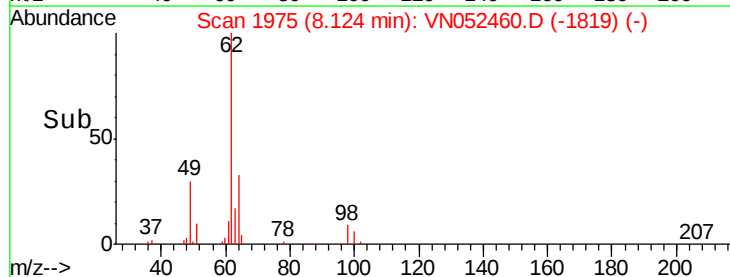
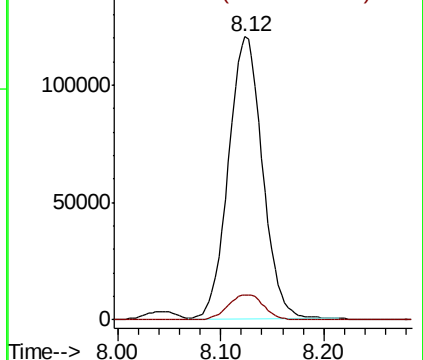


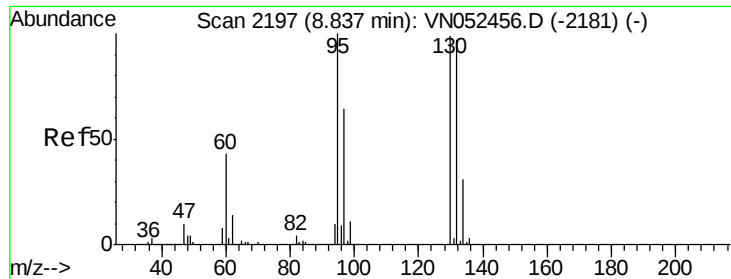
#36
1,2-Dichloroethane
Concen: 19.688 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 62 Resp: 277401
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

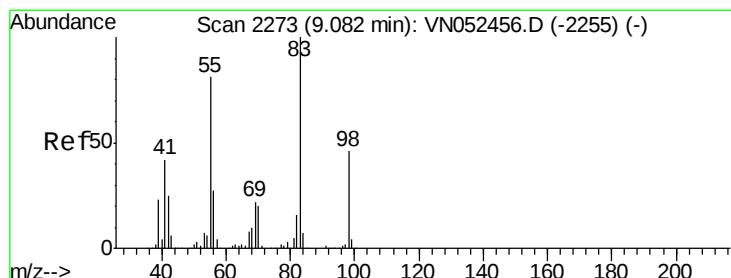
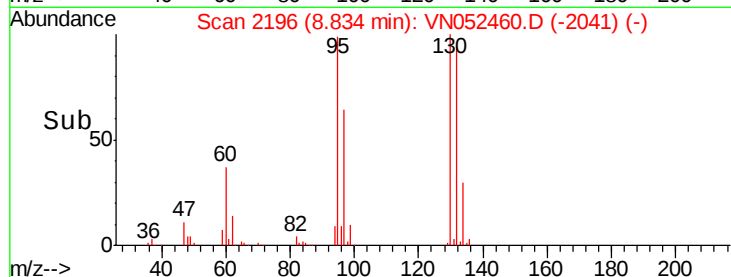
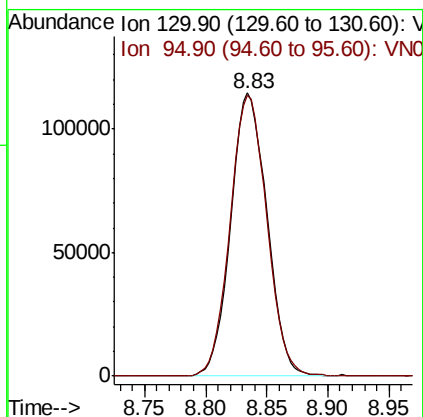
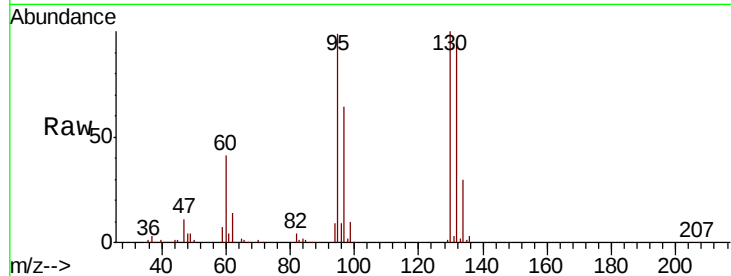




#37
 Trichloroethene
 Concen: 20.041 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

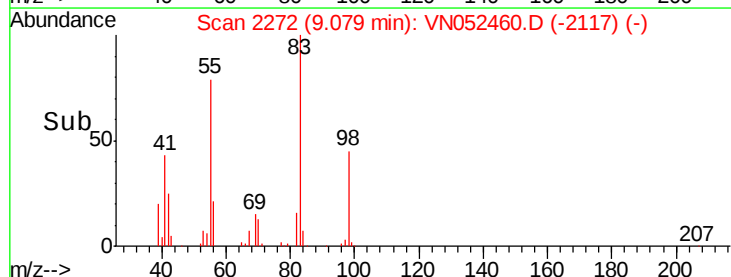
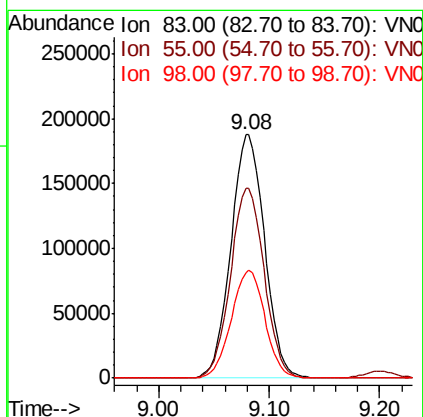
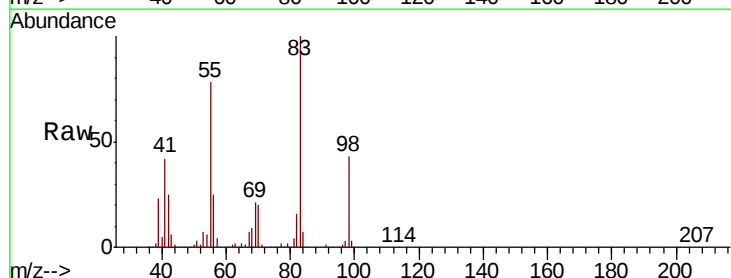
Instrument :
 MSVOA_N
 ClientSampleId :

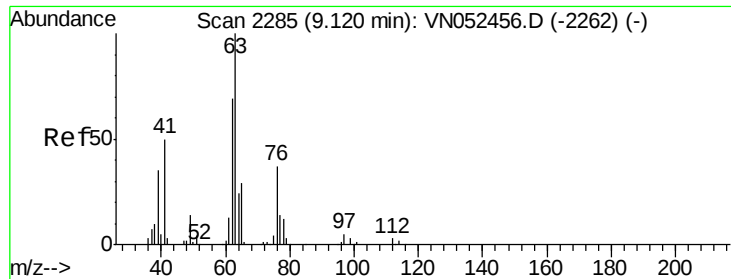
Tot Ion:130 Resp: 236293
 Ion Ratio Lower Upper
 130 100
 95 99.1 81.0 121.4



#38
 Methylcyclohexane
 Concen: 20.760 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 83 Resp: 397444
 Ion Ratio Lower Upper
 83 100
 55 78.0 39.8 119.4
 98 44.3 22.9 68.5

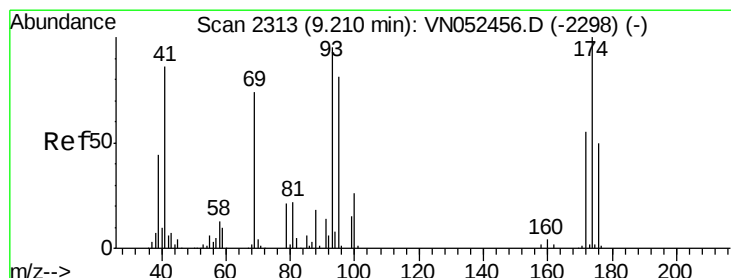
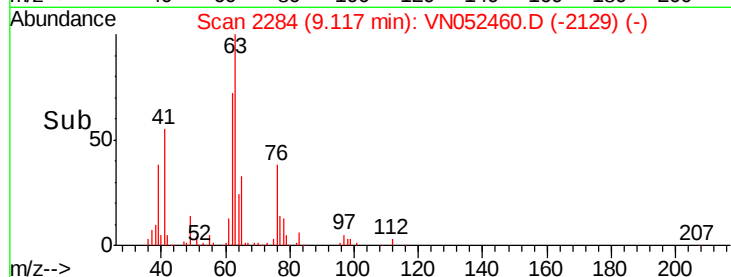
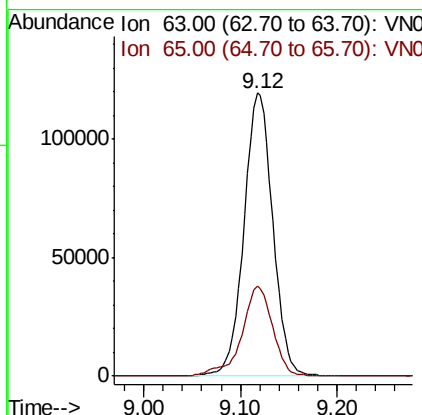
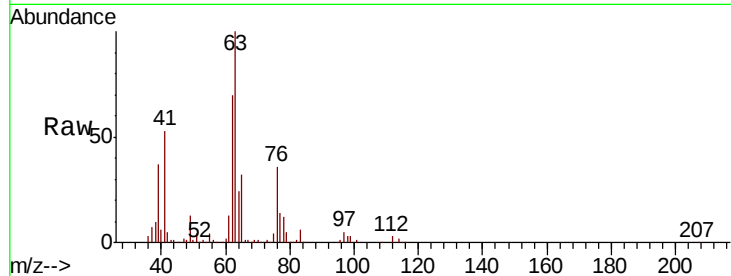




#39
 1,2-Dichloropropane
 Concen: 19.834 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

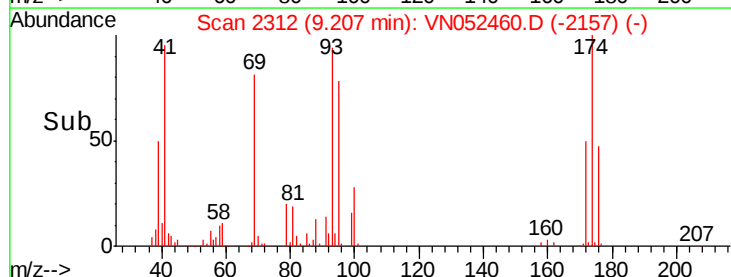
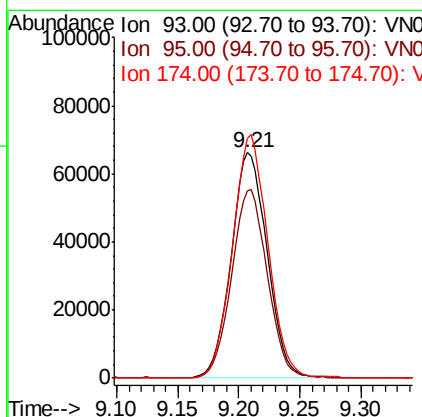
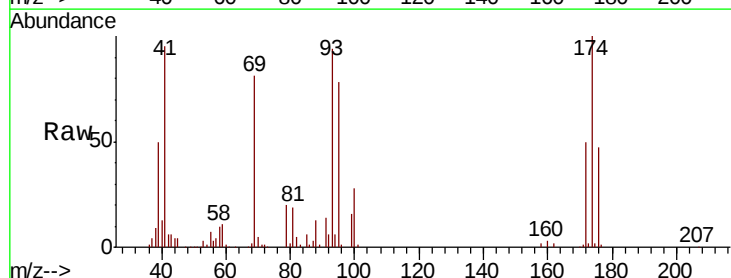
Instrument :
 MSVOA_N
 ClientSampled :

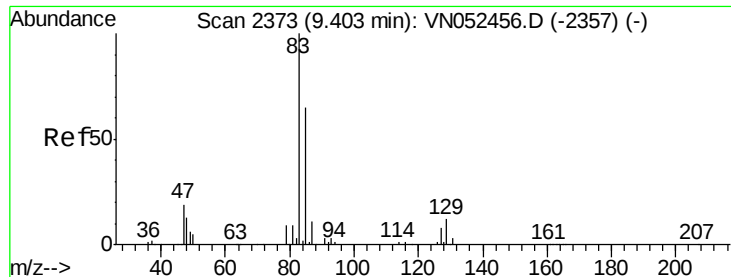
Tot Ion: 63 Resp: 247208
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.6 35.4



#40
 Dibromomethane
 Concen: 20.152 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 93 Resp: 135731
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 168.4
 174 105.6 0.0 210.0

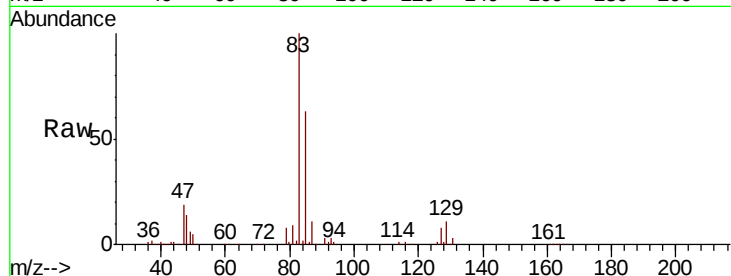




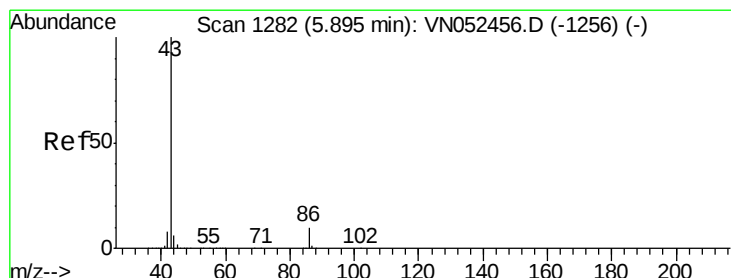
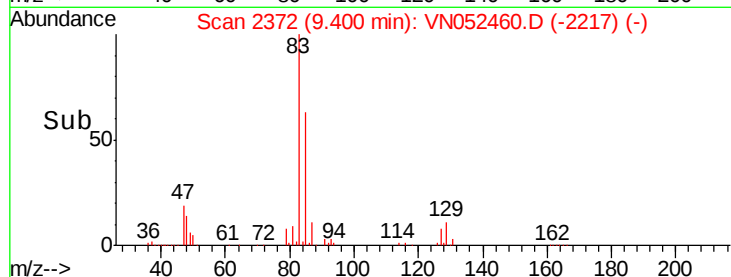
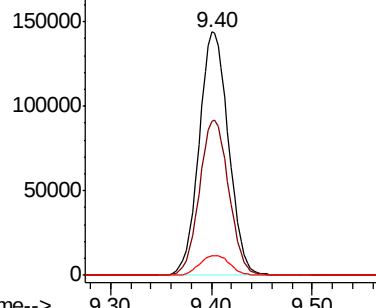
#41
 Bromodichloromethane
 Concen: 19.614 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 291871
 Ion Ratio Lower Upper
 83 100
 85 63.5 52.4 78.6
 127 8.2 6.6 9.8

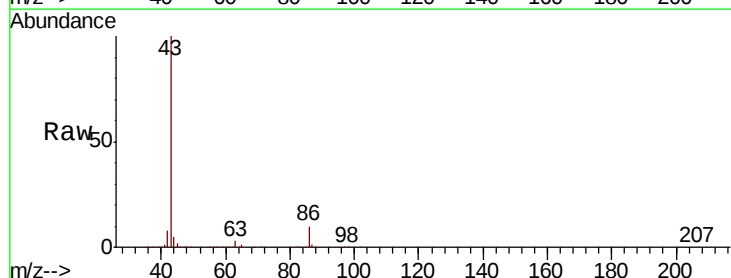


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): VN0

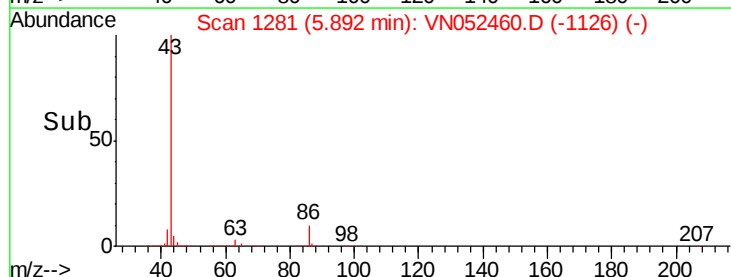
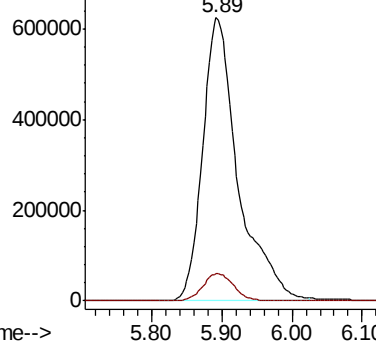


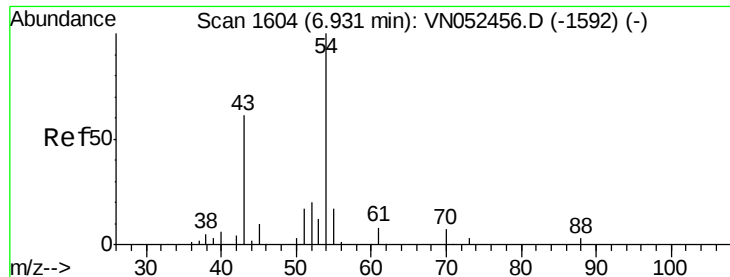
#42
 Vinyl Acetate
 Concen: 98.089 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 43 Resp: 2196265
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.055 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

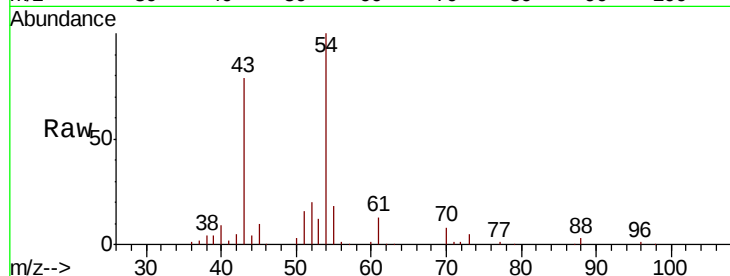
ClientSampleId :

Tot Ion: 43 Resp: 167675

Ion Ratio Lower Upper

43 100

45 6.5 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

150000

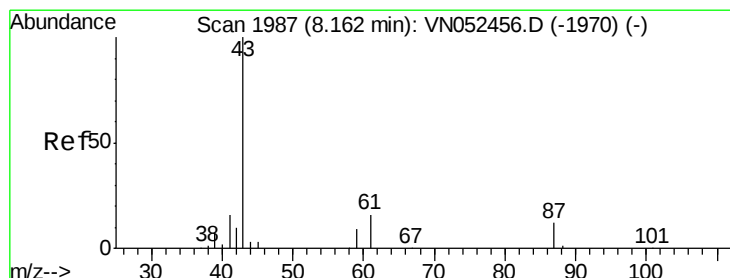
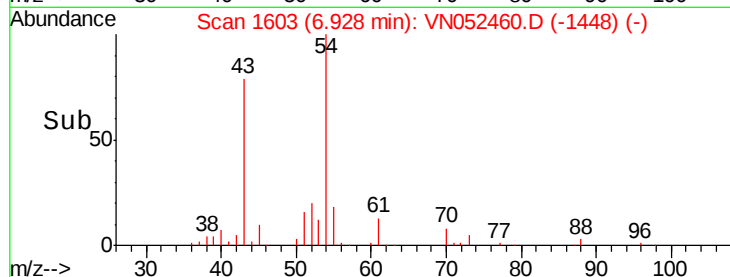
100000

50000

0

6.93

Time-->



#44

Isopropyl Acetate

Concen: 19.433 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052460.D

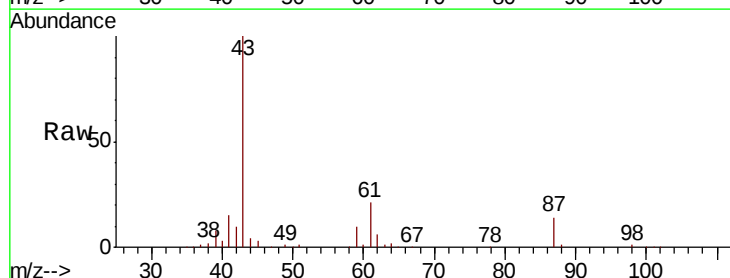
Acq: 26 Nov 2018 15:42

Tgt Ion: 43 Resp: 299913

Ion Ratio Lower Upper

43 100

61 19.7 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

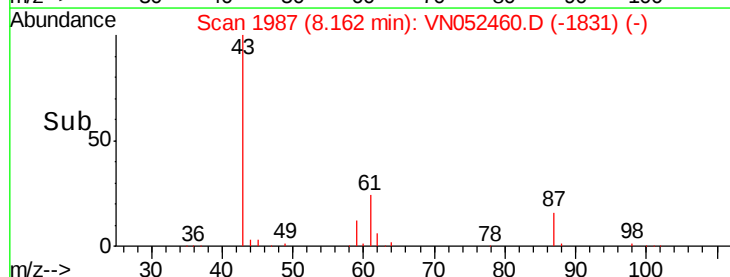
100000

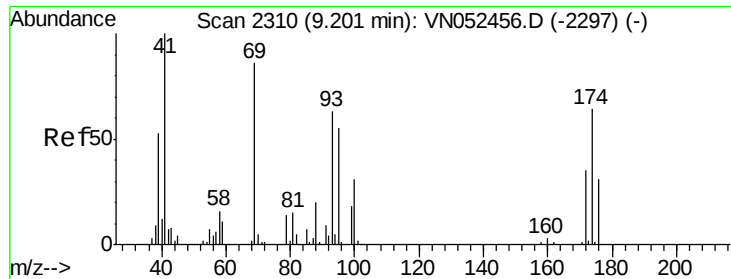
50000

0

8.16

Time-->

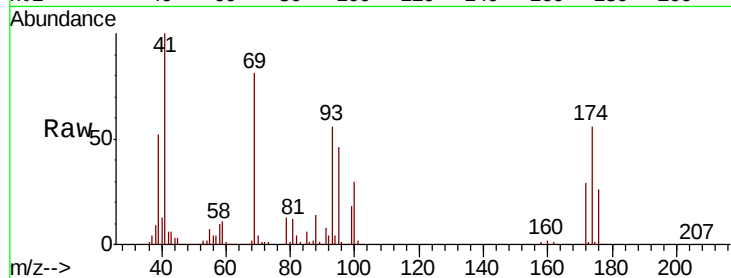




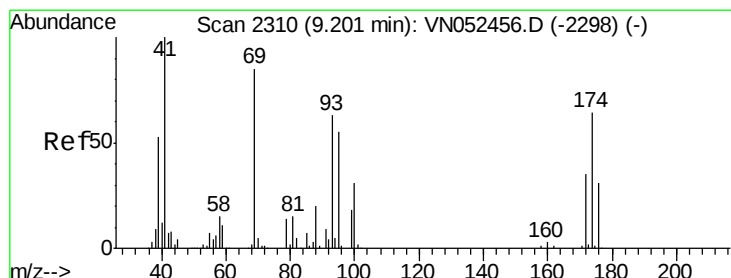
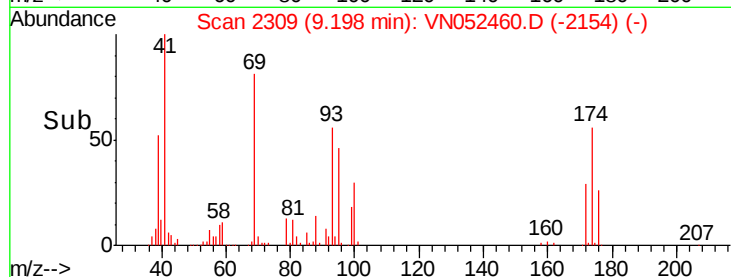
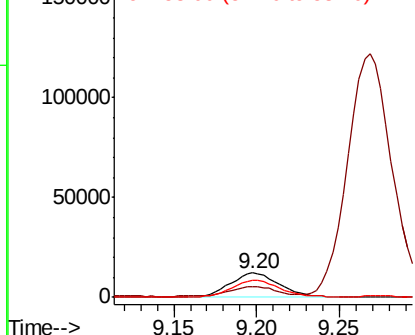
#45
 1,4-Dioxane
 Concen: 297.937 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 25154
 Ion Ratio Lower Upper
 88 100
 43 38.5 29.5 44.3
 58 68.3 61.5 92.3

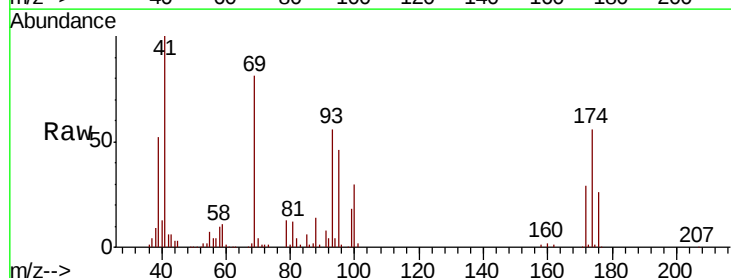


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

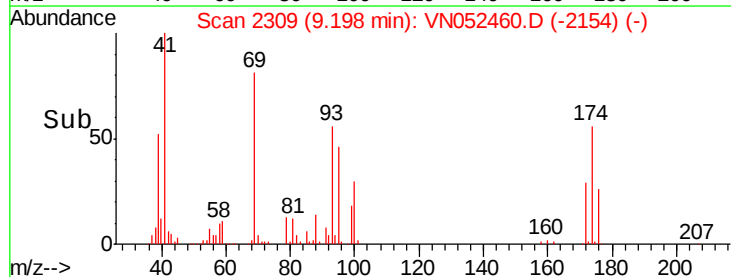
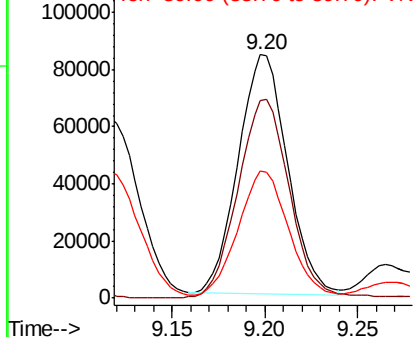


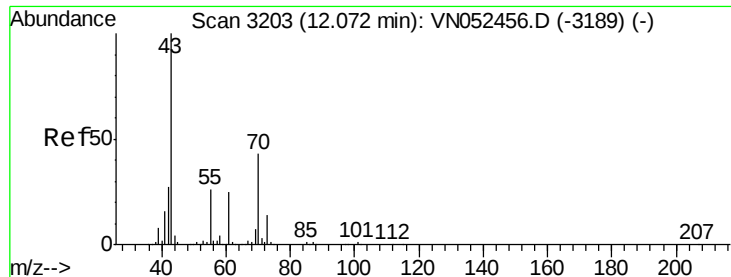
#46
 Methyl methacrylate
 Concen: 19.290 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 41 Resp: 154573
 Ion Ratio Lower Upper
 41 100
 69 82.3 42.5 127.6
 39 51.8 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

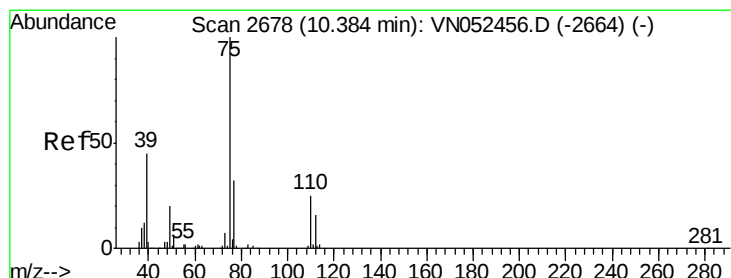
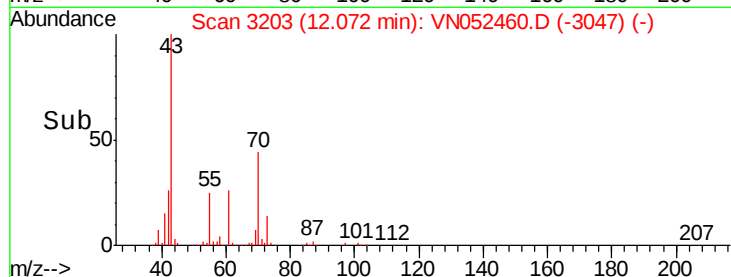
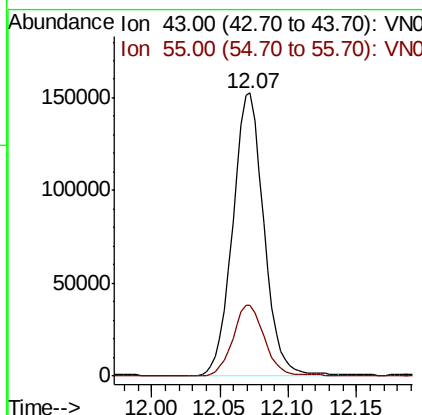
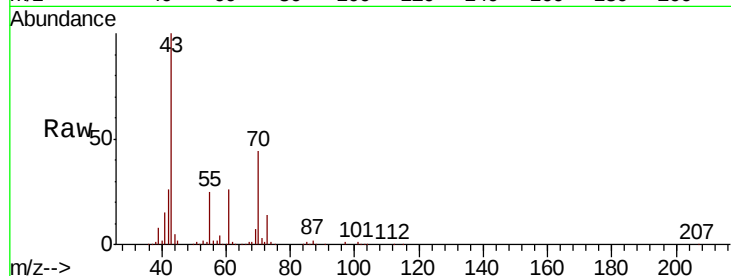




#47
 n-amvl Acetate
 Concen: 18.809 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

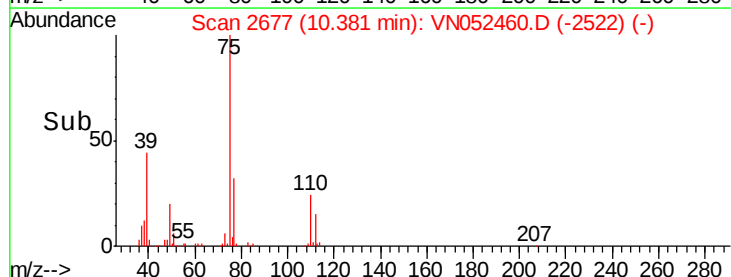
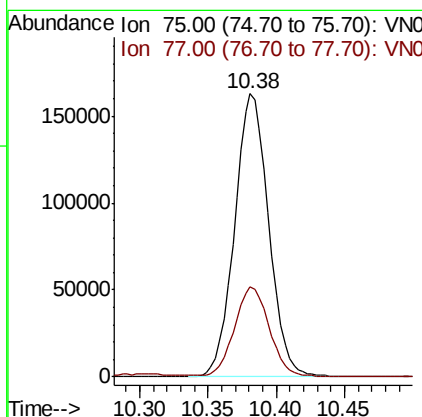
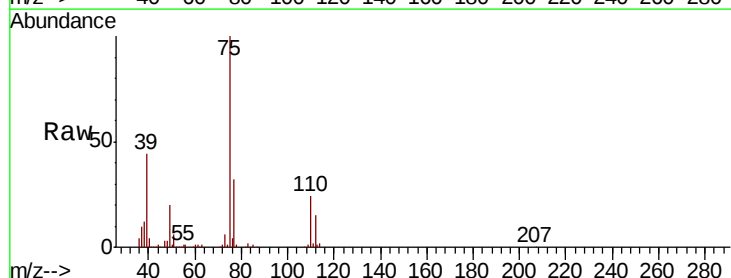
Instrument :
 MSVOA_N
 ClientSampled :

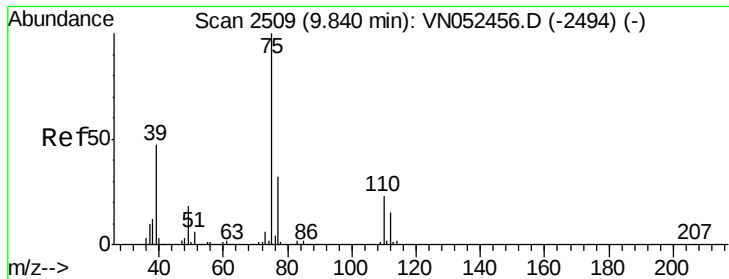
Tot Ion: 43 Resp: 240677
 Ion Ratio Lower Upper
 43 100
 55 25.5 21.1 31.7



#48
 t-1,3-Dichloropropene
 Concen: 19.565 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 75 Resp: 282296
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4



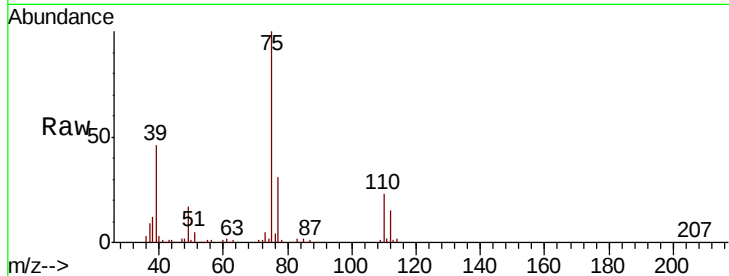


#49

cis-1,3-Dichloropropene
 Concen: 19.736 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	45.5	37.3	55.9

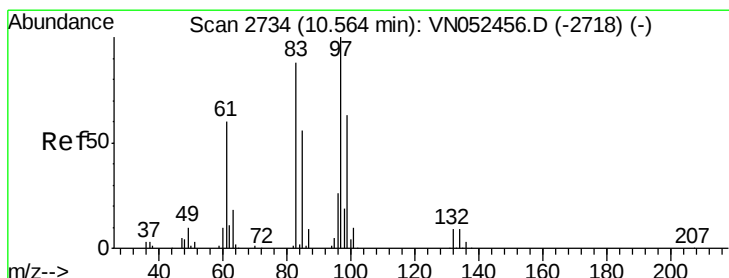
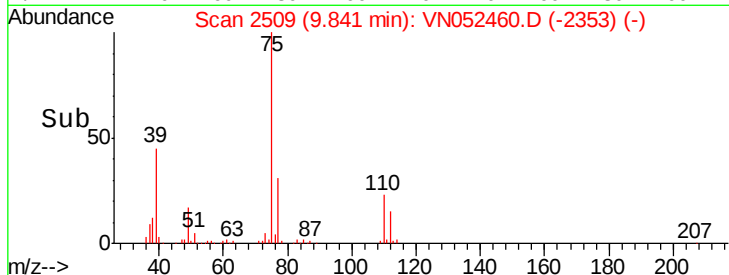
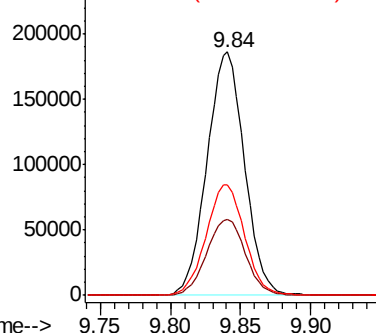


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

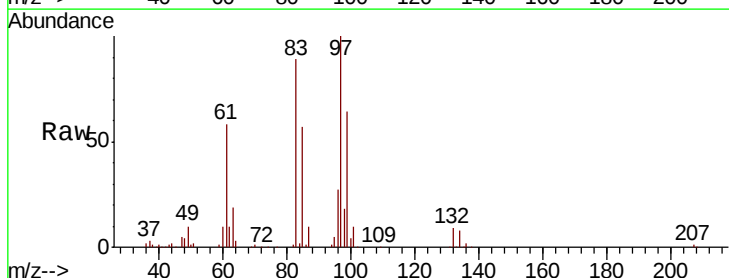
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
 Concen: 19.623 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.4	105.6
85	57.3	45.0	67.6
99	63.9	50.2	75.2



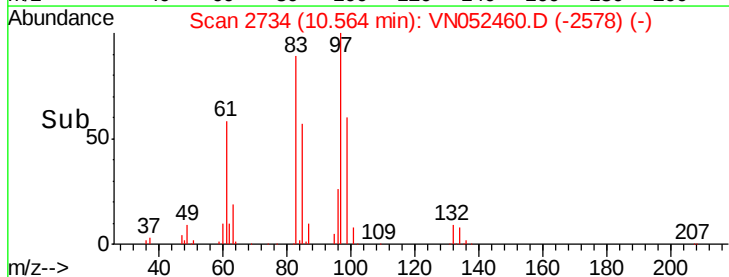
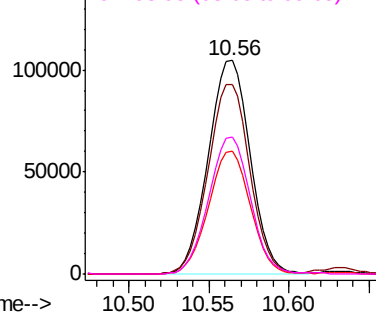
Abundance

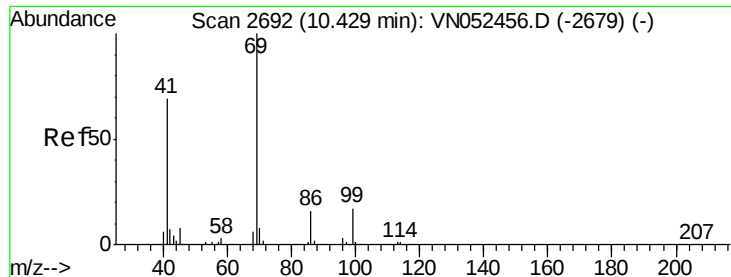
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.402 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

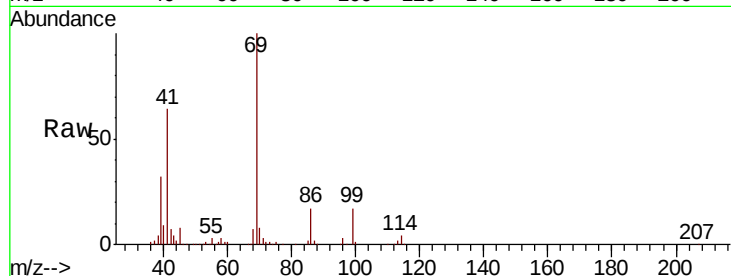
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 69 Resp: 232648

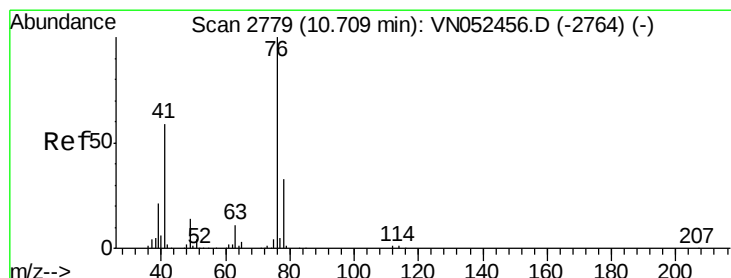
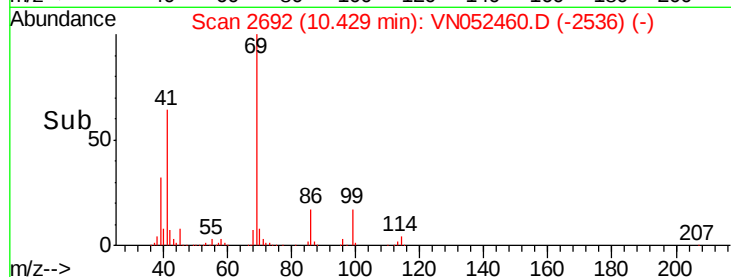
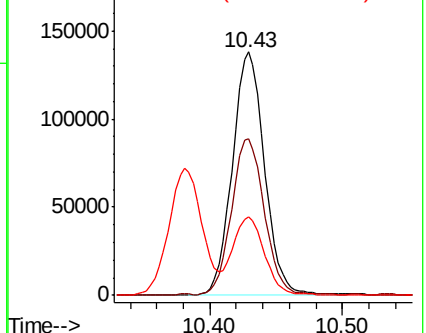
Ion	Ratio	Lower	Upper
69	100		
41	64.1	34.4	103.3
39	31.8	16.4	49.2



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



#52

1,3-Dichloropropane

Concen: 19.347 ug/l

RT: 10.71 min Scan# 2779

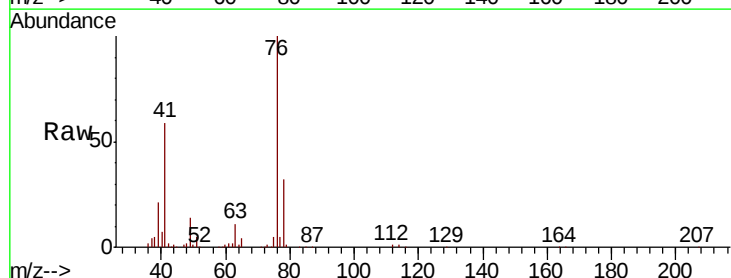
Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

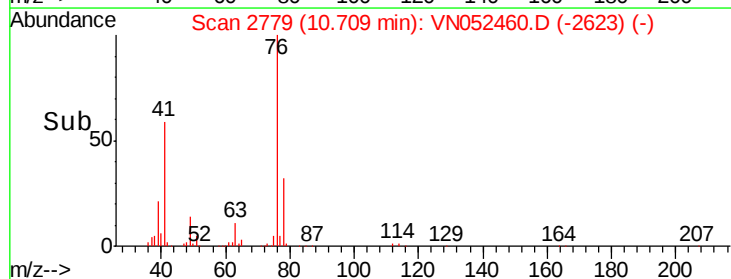
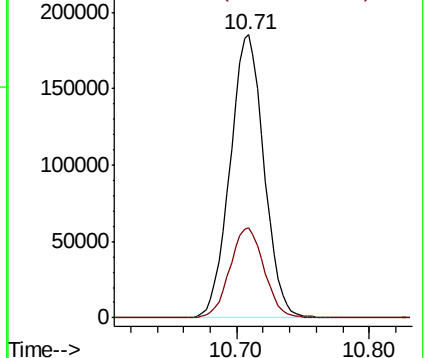
Tgt Ion: 76 Resp: 328775

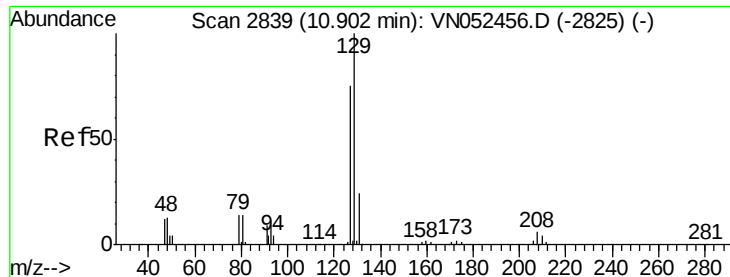
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.419 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

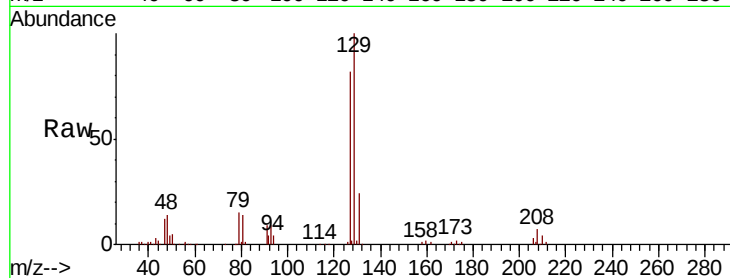
ClientSampleId :

Tot Ion:129 Resp: 204118

Ion Ratio Lower Upper

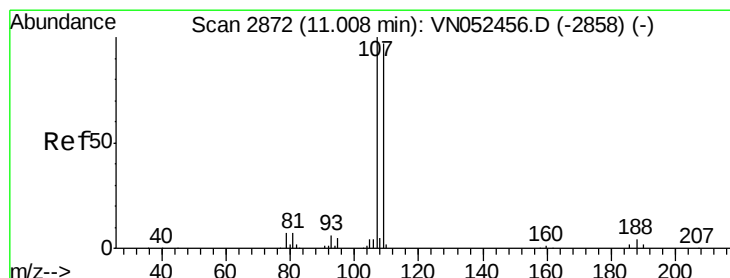
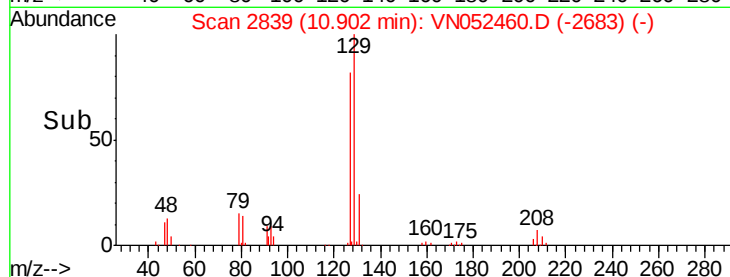
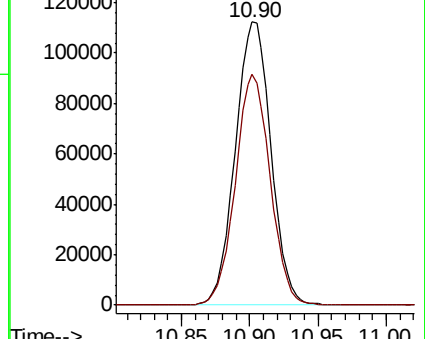
129 100

127 79.4 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.919 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052460.D

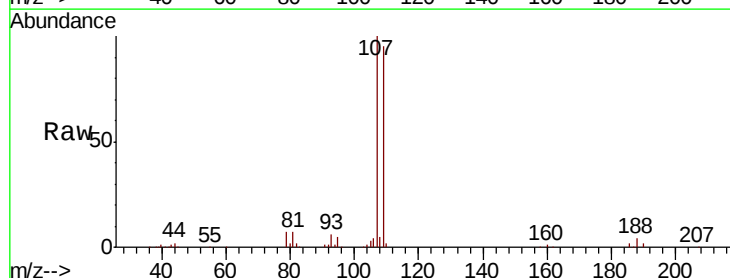
Acq: 26 Nov 2018 15:42

Tgt Ion:107 Resp: 185837

Ion Ratio Lower Upper

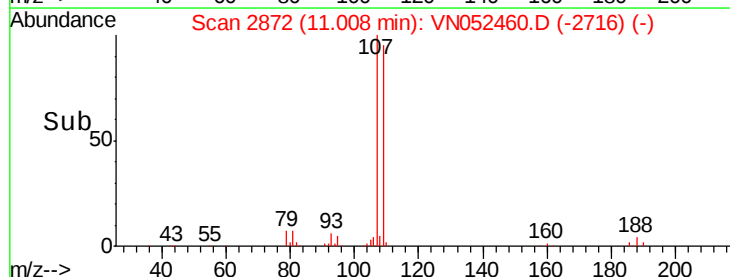
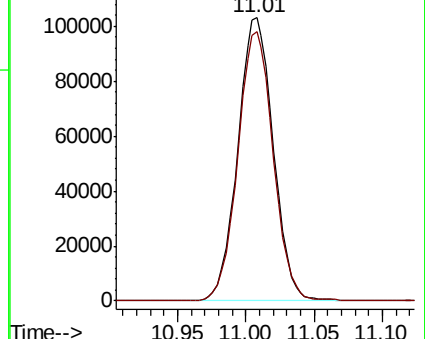
107 100

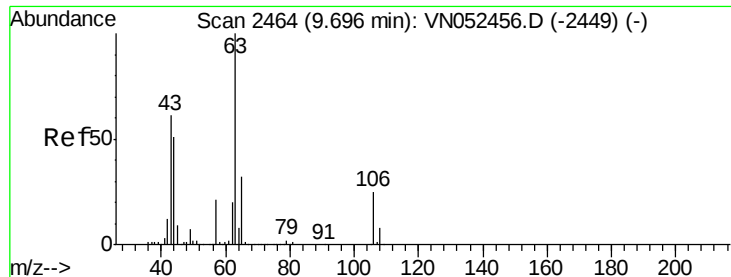
109 95.0 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 96.051 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

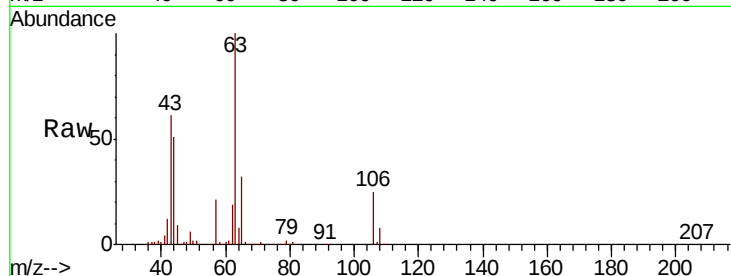
Tot Ion: 63 Resp: 674184

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

106 25.6 20.4 30.6

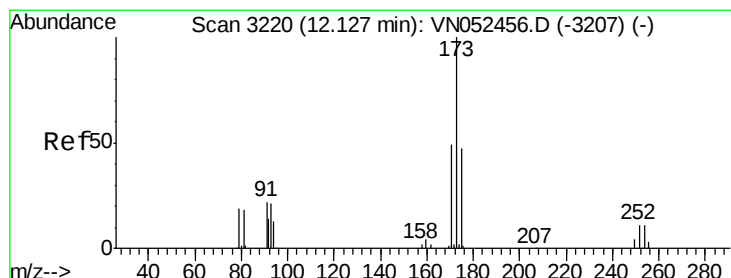
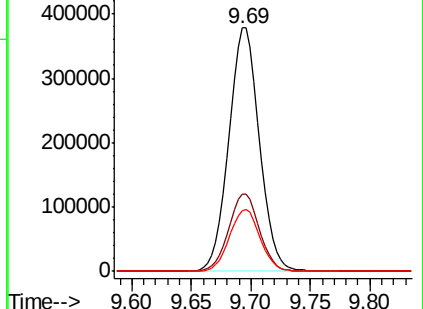
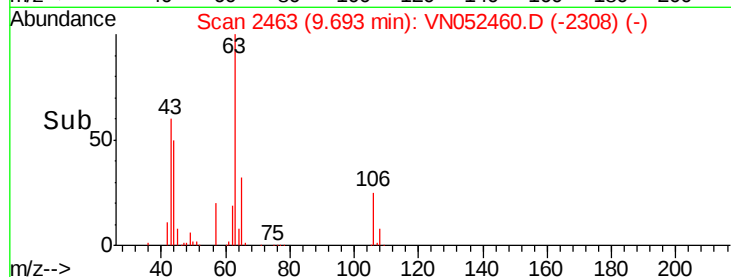


Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN052456.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN052456.D (-2449) (-)

9.69



#56

Bromoform

Concen: 19.104 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

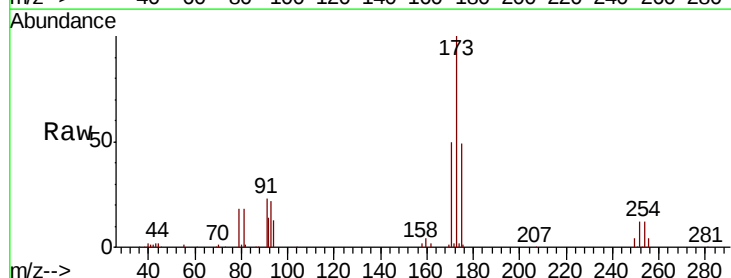
Tgt Ion: 173 Resp: 131258

Ion Ratio Lower Upper

173 100

175 48.0 38.7 58.1

254 11.5 8.4 12.6

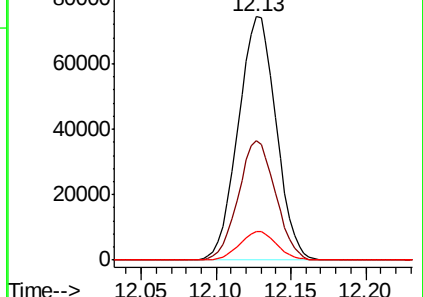
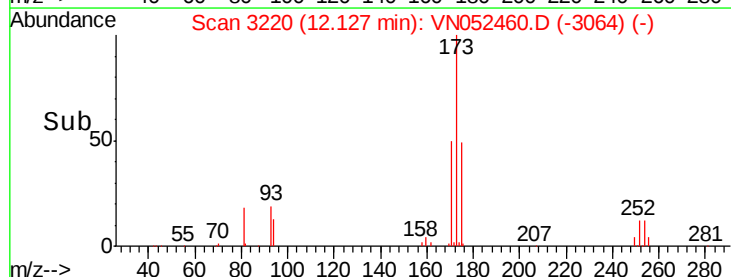


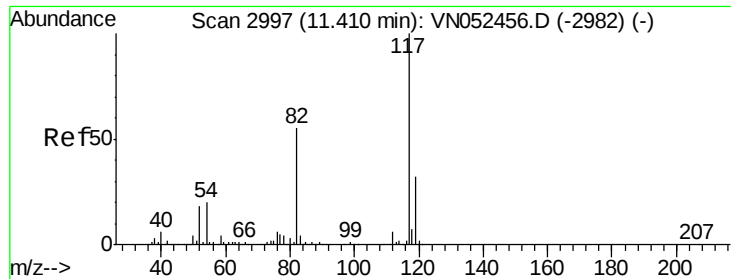
Abundance Ion 173.00 (172.70 to 173.70): VN052456.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN052456.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN052456.D (-3207) (-)

12.13

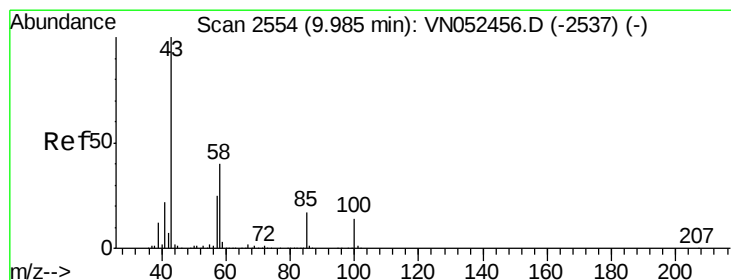
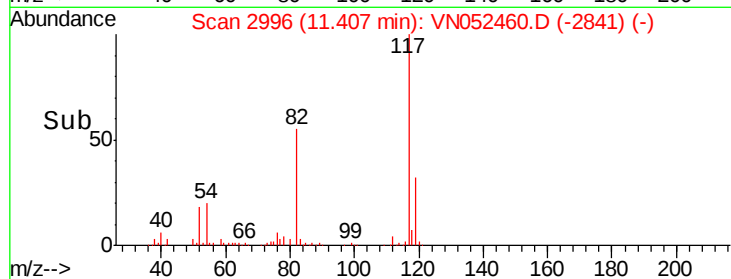
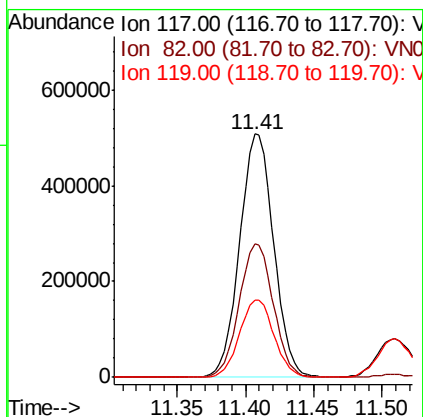
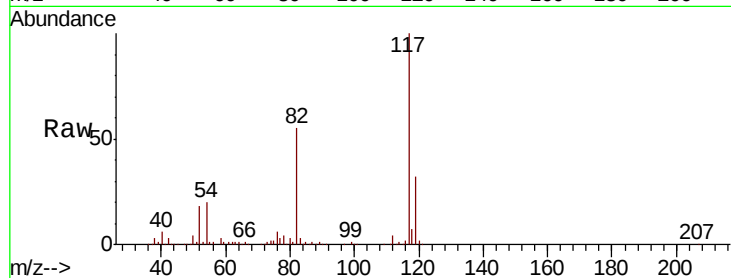




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

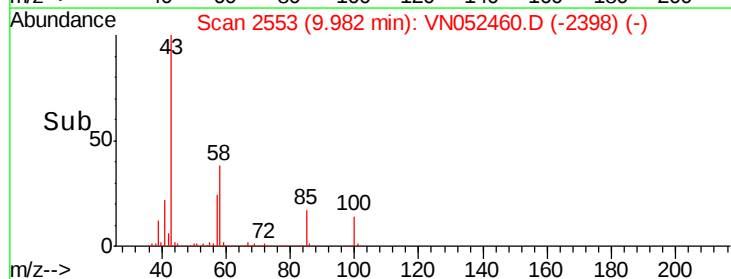
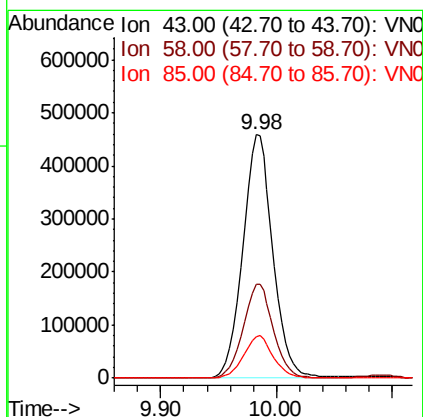
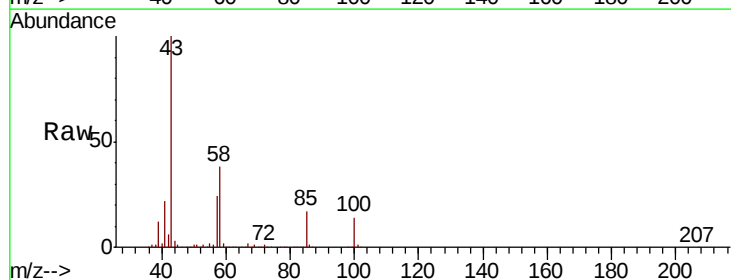
Instrument :
MSVOA_N
ClientSampled :

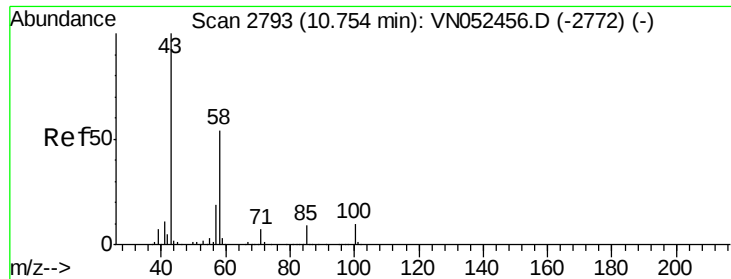
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.2	66.2
119	32.3	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 96.298 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.6	47.4
85	17.1	13.3	19.9

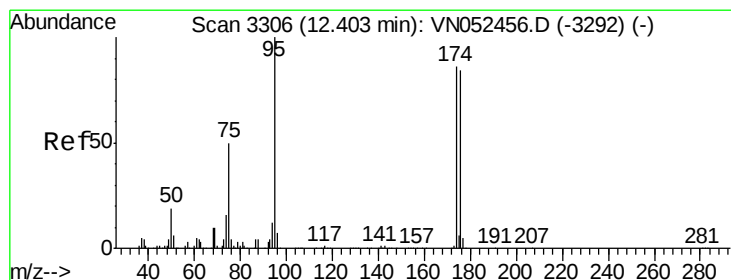
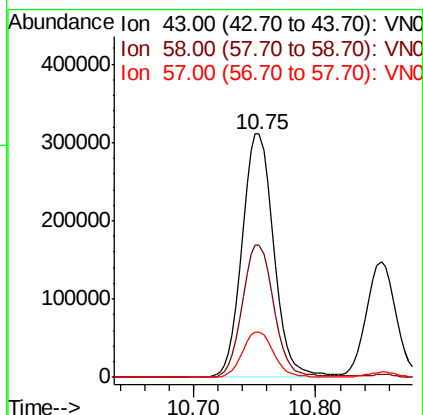
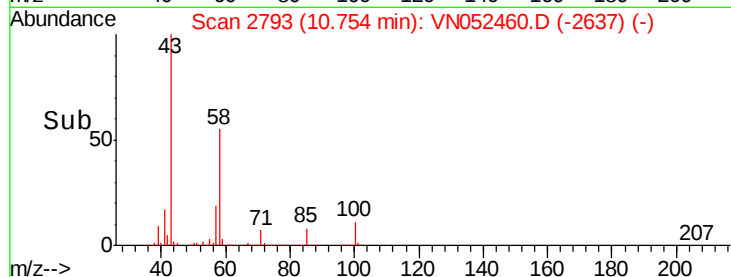
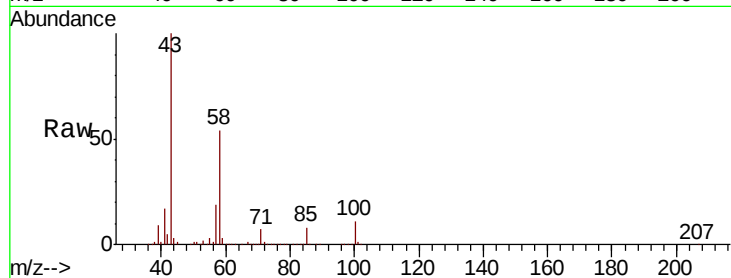




#59
2-Hexanone
Concen: 94.943 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

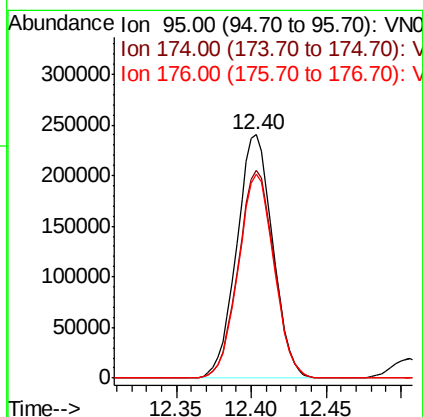
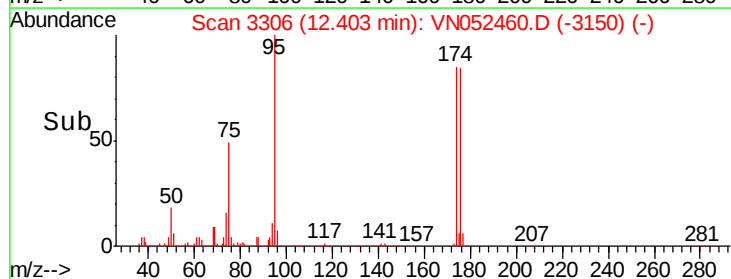
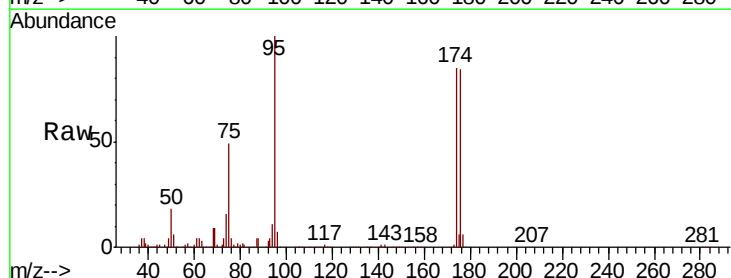
Instrument :
MSVOA_N
ClientSampled :

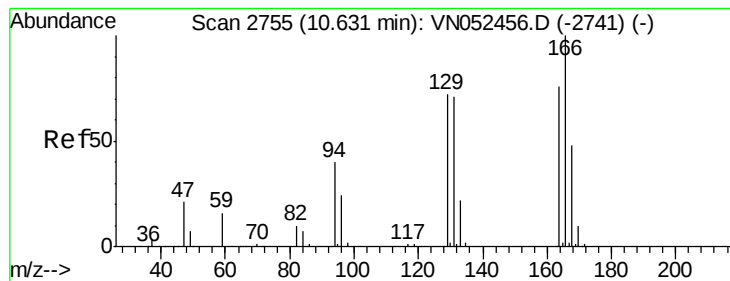
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.2	64.8
57	18.6	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 94.943 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	67.9	101.9
176	83.2	66.4	99.6





#61

Tetrachloroethene

Concen: 20.654 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 223790

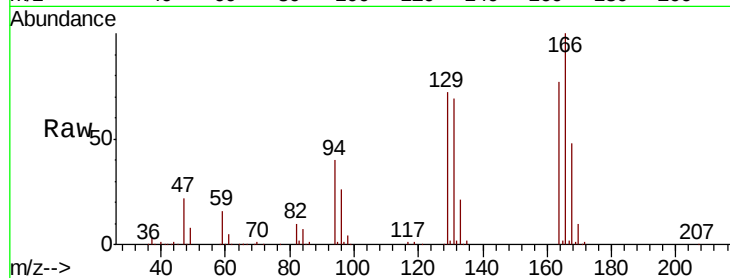
Ion Ratio Lower Upper

164 100

166 129.9 104.6 157.0

129 93.5 75.3 112.9

131 89.2 74.3 111.5

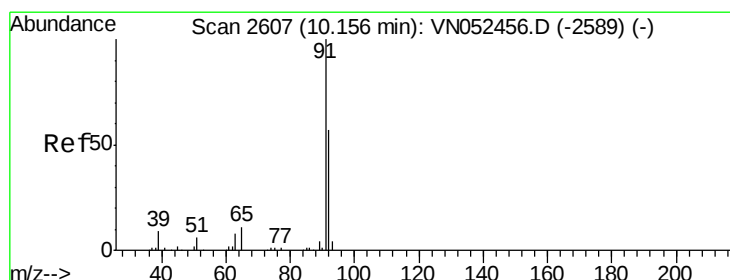
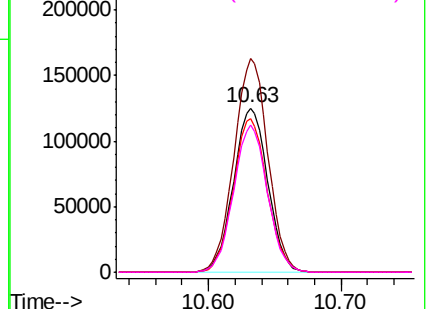
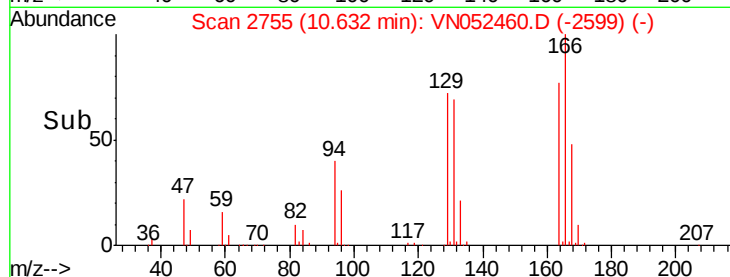


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.259 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052460.D

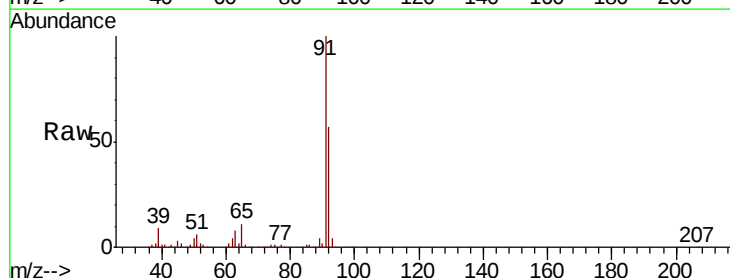
Acq: 26 Nov 2018 15:42

Tgt Ion: 91 Resp: 982532

Ion Ratio Lower Upper

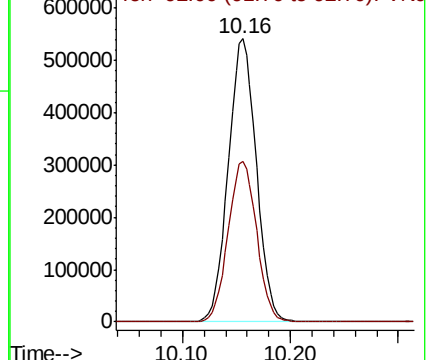
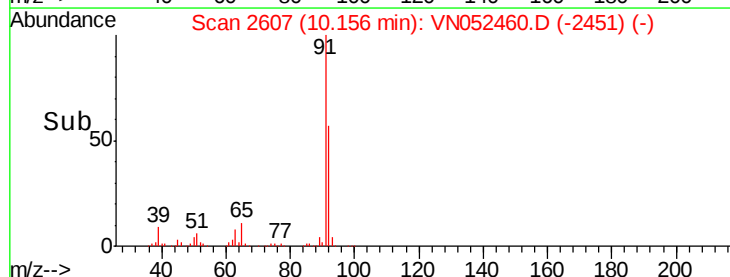
91 100

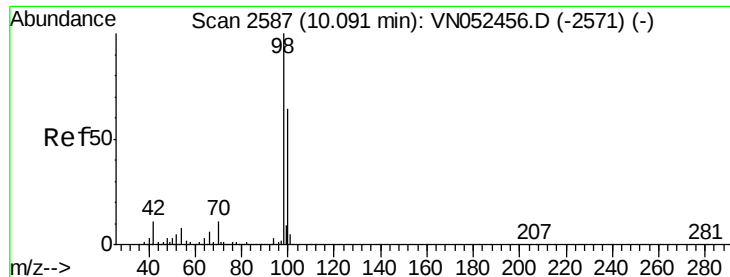
92 57.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.259 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

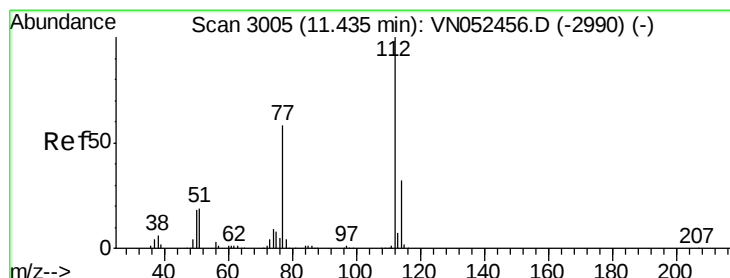
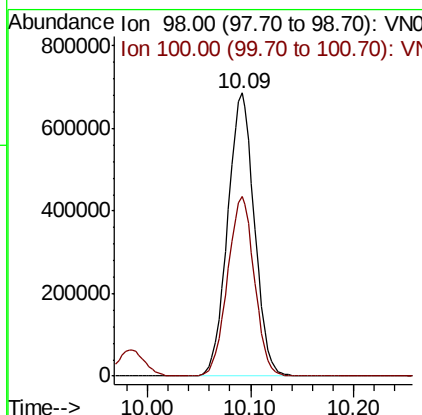
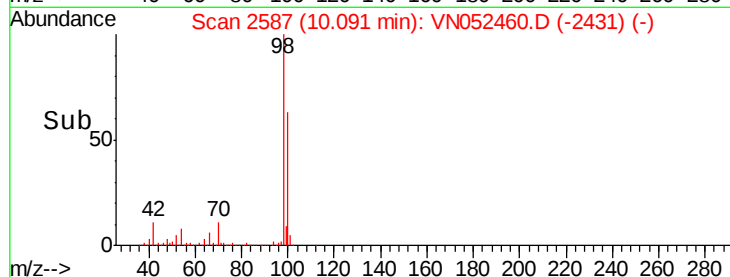
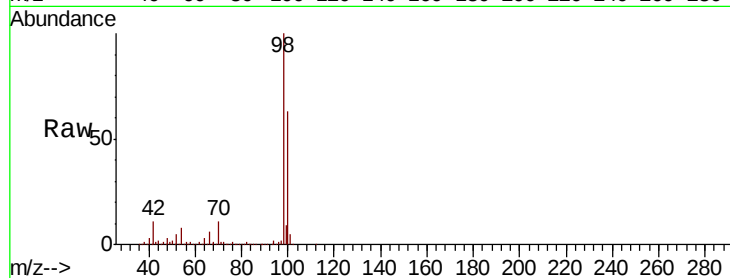
ClientSampleId :

Tot Ion: 98 Resp: 1238556

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#64

Chlorobenzene

Concen: 20.506 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052460.D

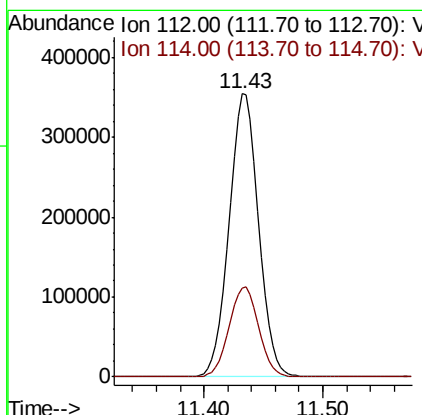
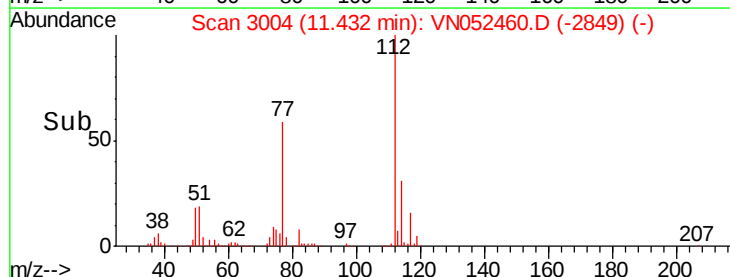
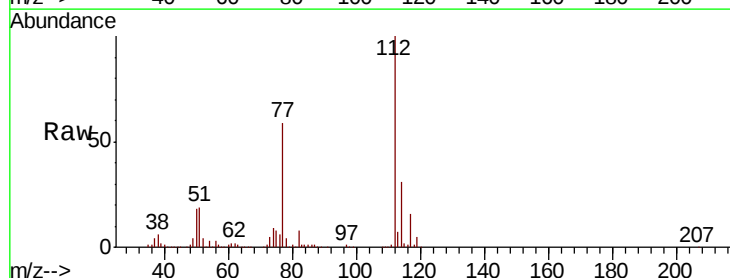
Acq: 26 Nov 2018 15:42

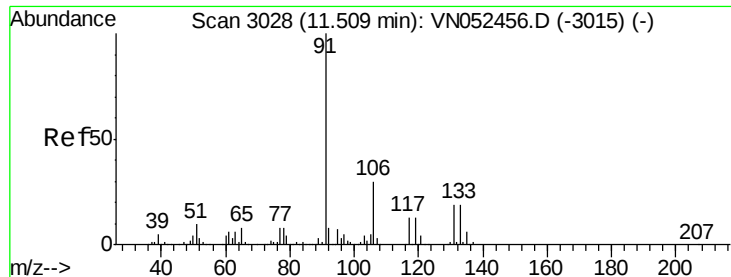
Tgt Ion: 112 Resp: 607010

Ion Ratio Lower Upper

112 100

114 31.4 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.093 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

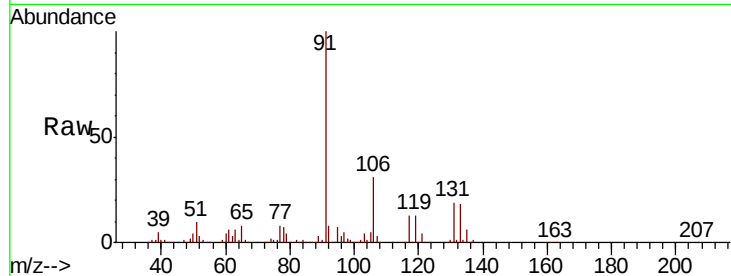
Tot Ion:131 Resp: 206459

Ion Ratio Lower Upper

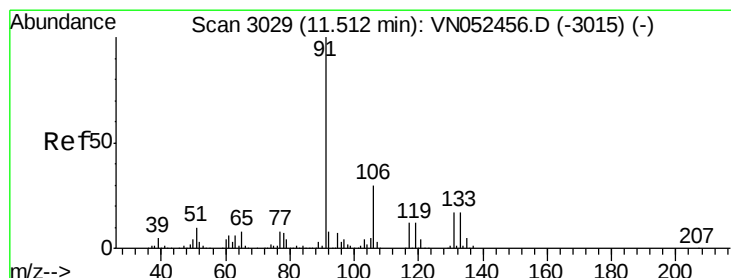
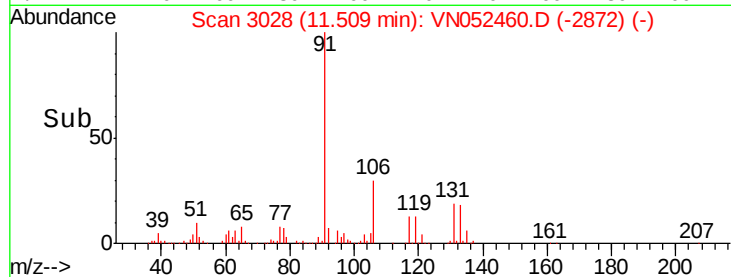
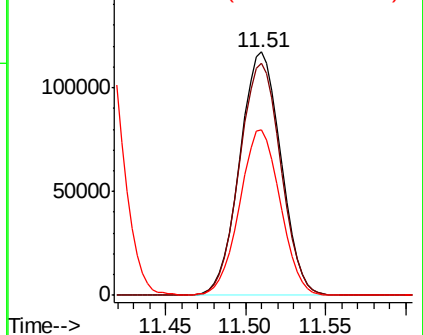
131 100

133 96.0 0.0 193.4

119 67.2 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.325 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052460.D

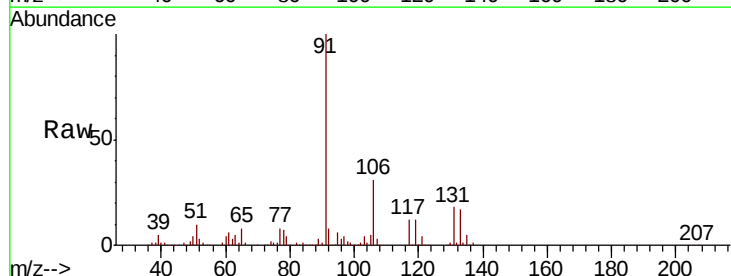
Acq: 26 Nov 2018 15:42

Tgt Ion: 91 Resp: 1062380

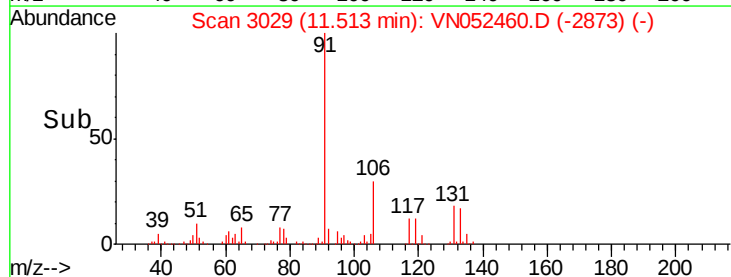
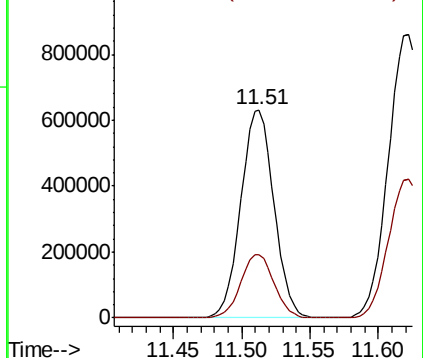
Ion Ratio Lower Upper

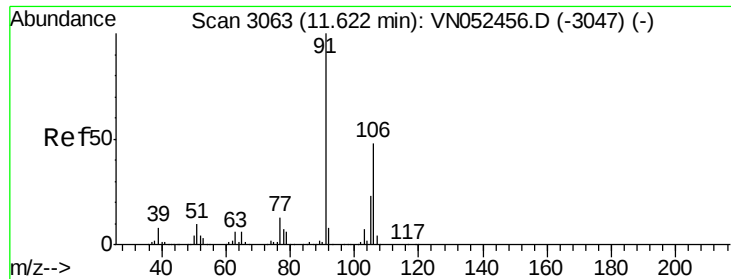
91 100

106 30.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

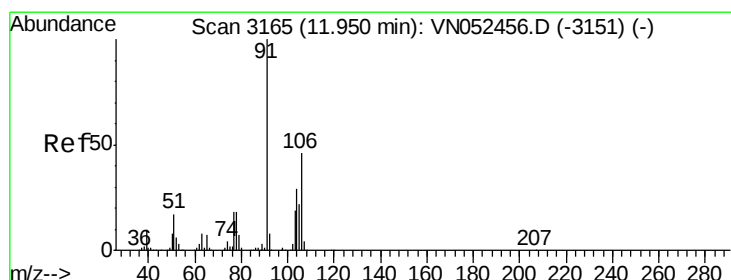
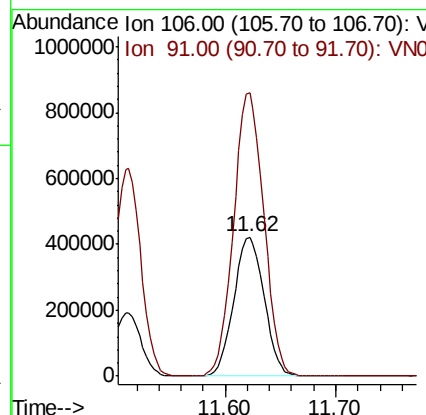
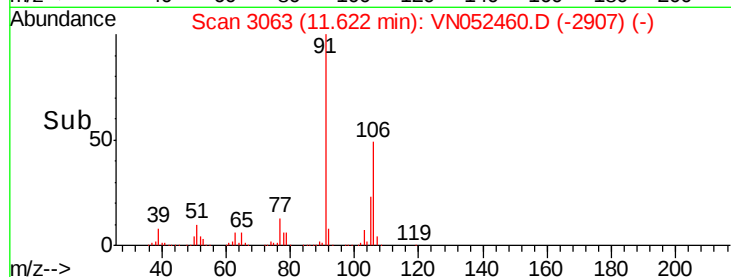
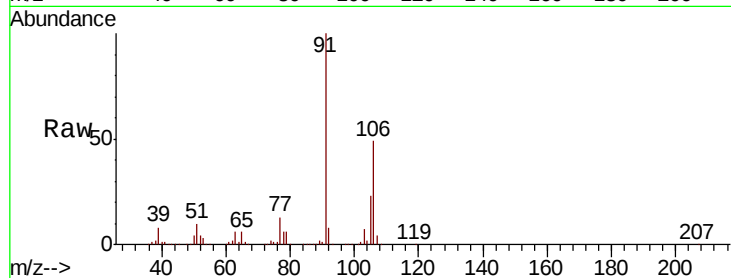




#67
m/p-Xylenes
Concen: 41.414 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

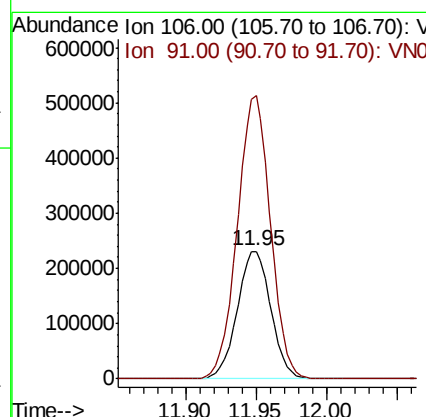
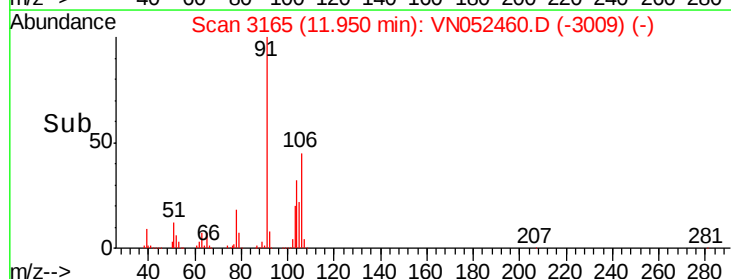
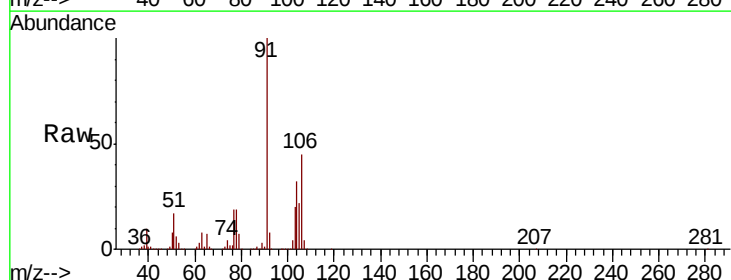
Instrument :
MSVOA_N
ClientSampled :

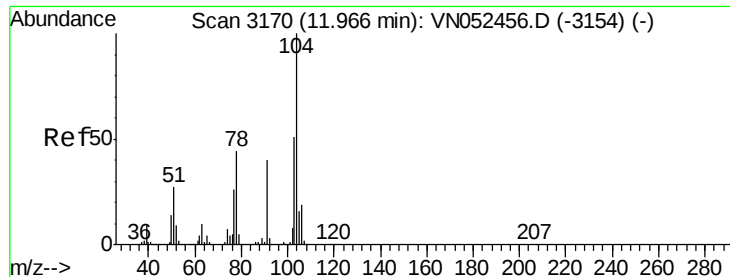
Tot Ion:106 Resp: 806476
Ion Ratio Lower Upper
106 100
91 202.2 163.9 245.9



#68
o-Xylene
Concen: 20.378 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion:106 Resp: 385151
Ion Ratio Lower Upper
106 100
91 218.6 107.8 323.4

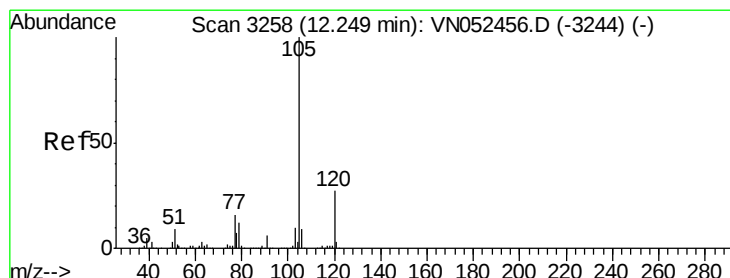
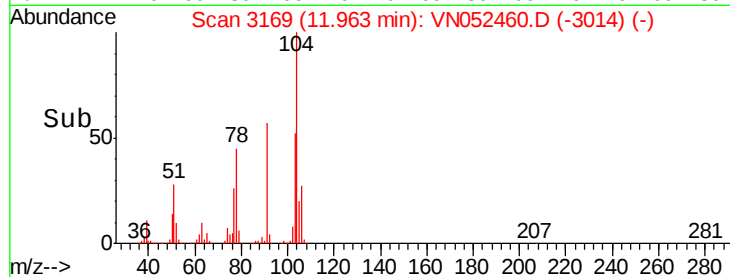
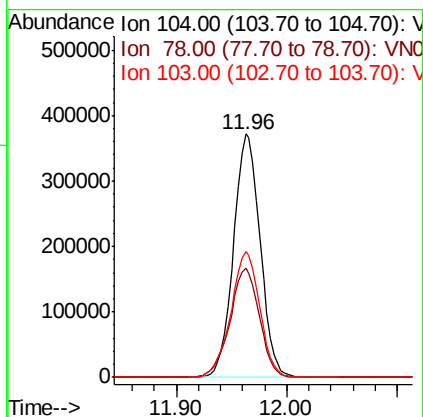
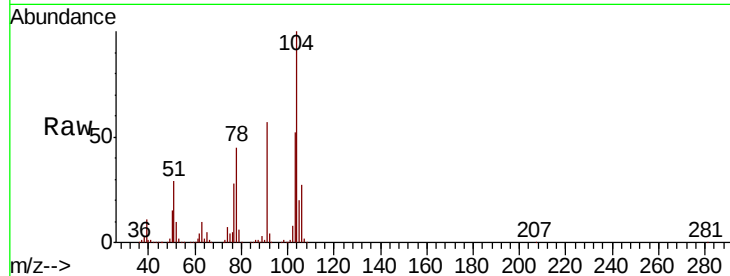




#69
Stvrene
Concen: 20.378 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

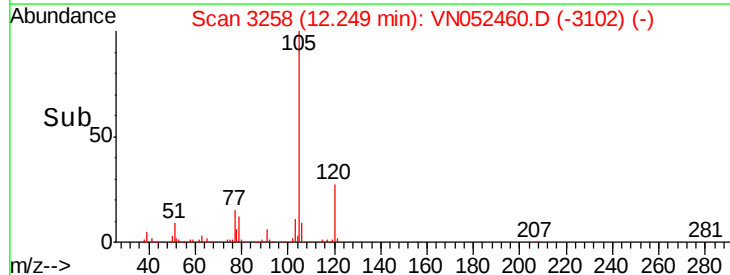
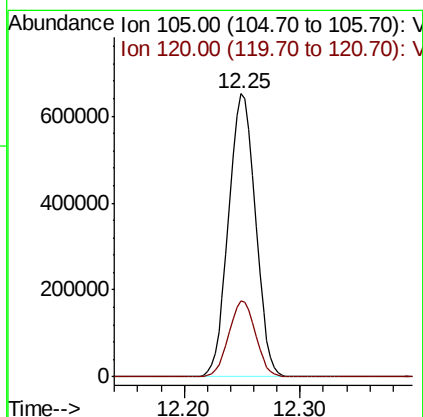
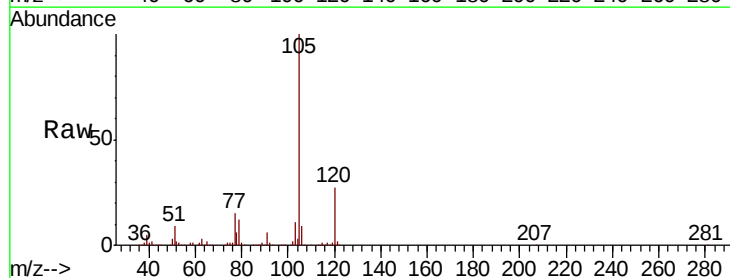
Instrument :
MSVOA_N
ClientSampleId :

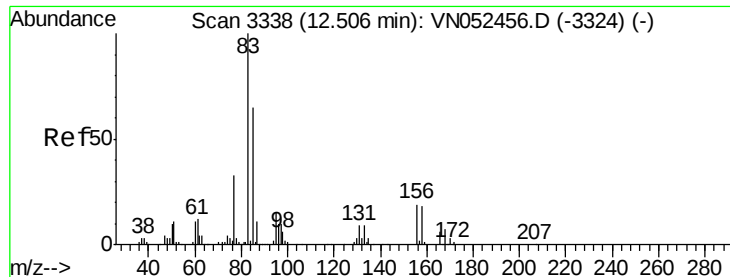
Tot Ion:104 Resp: 621682
Ion Ratio Lower Upper
104 100
78 49.5 39.3 58.9
103 55.9 44.6 66.8



#70
Isopropylbenzene
Concen: 20.740 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion:105 Resp: 1042972
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.6

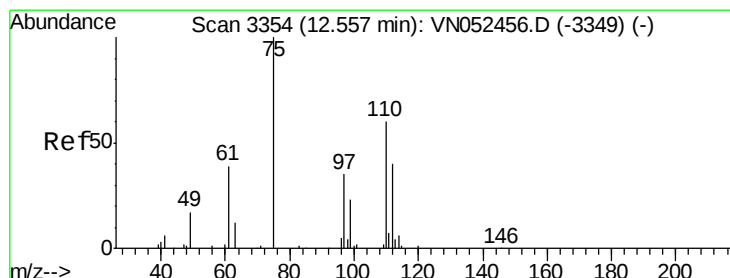
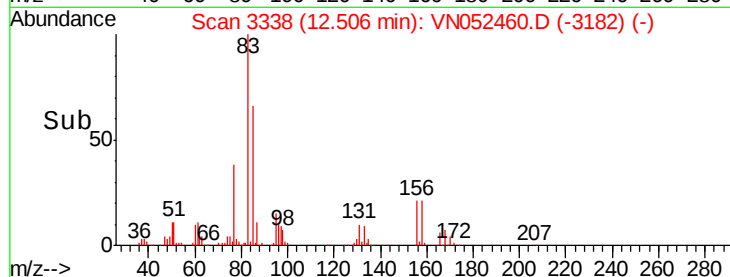
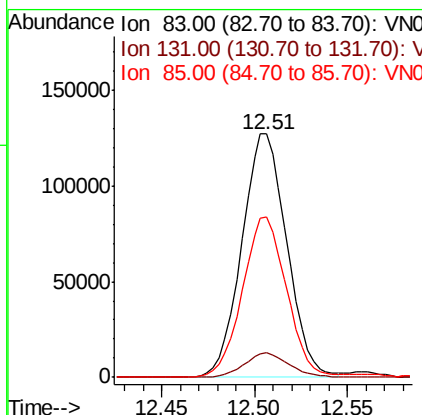
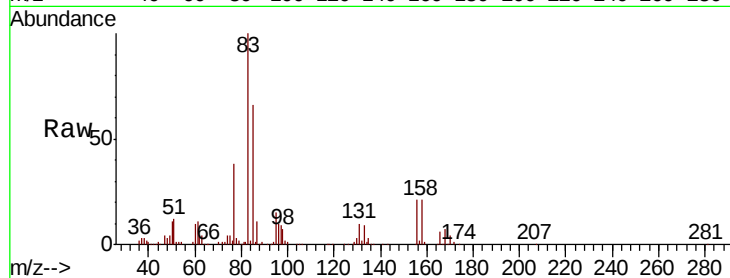




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.564 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

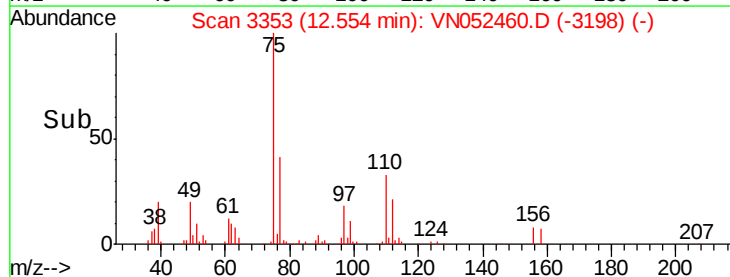
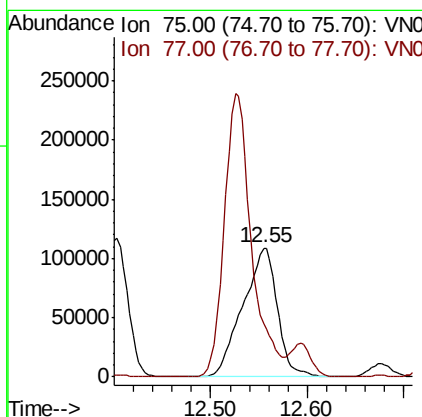
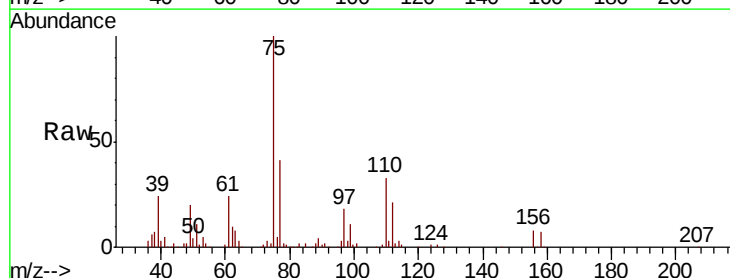
Instrument :
 MSVOA_N
 ClientSampleId :

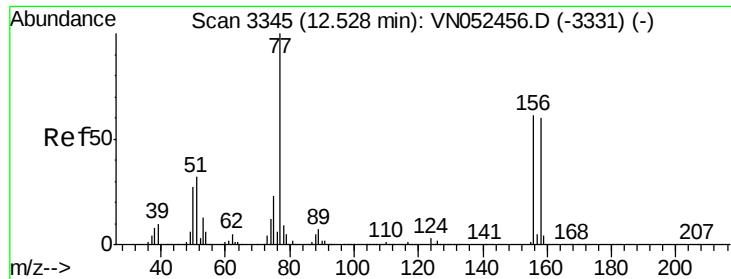
Tot Ion: 83 Resp: 214022
 Ion Ratio Lower Upper
 83 100
 131 10.1 4.9 14.6
 85 64.5 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 28.799 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 75 Resp: 270439
 Ion Ratio Lower Upper
 75 100
 77 172.3 0.0 514.8





#73

Bromobenzene

Concen: 20.499 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampled :

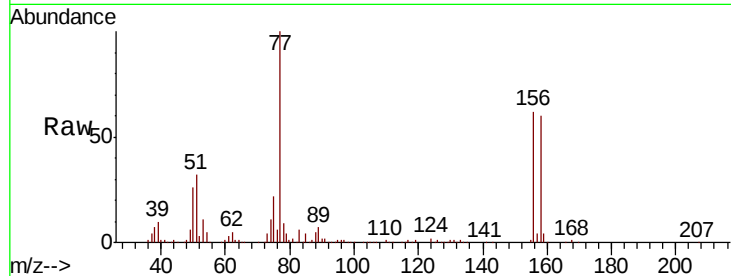
Tot Ion:156 Resp: 249327

Ion Ratio Lower Upper

156 100

77 186.9 0.0 382.6

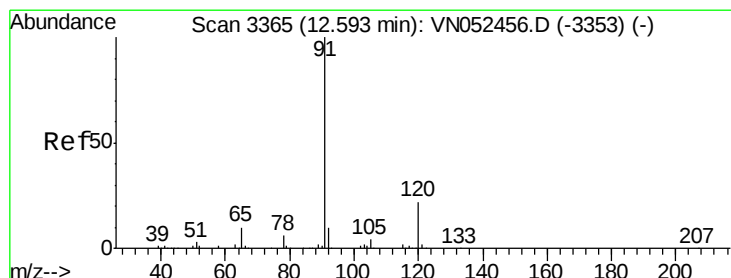
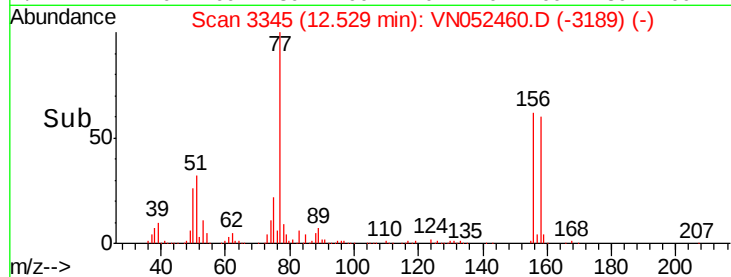
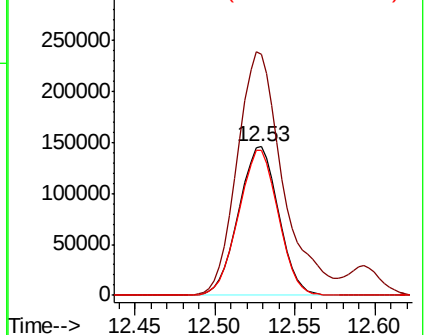
158 97.0 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.708 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052460.D

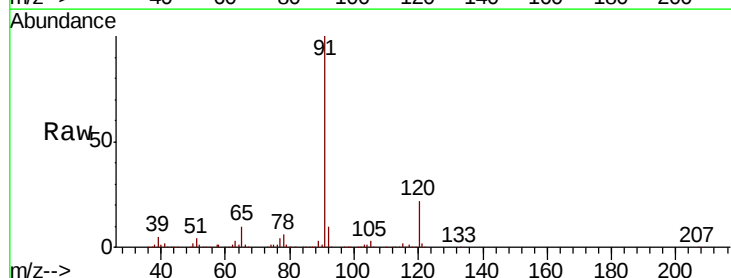
Acq: 26 Nov 2018 15:42

Tgt Ion: 91 Resp: 1213377

Ion Ratio Lower Upper

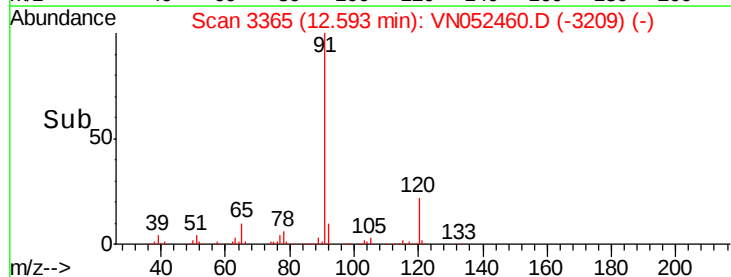
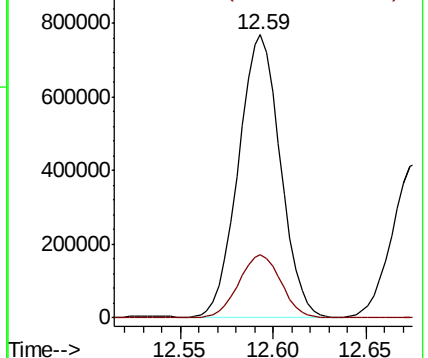
91 100

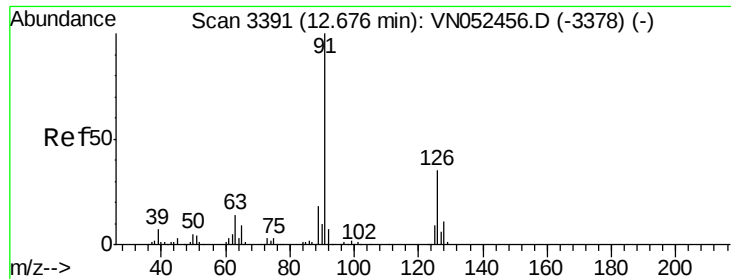
120 22.5 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.745 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

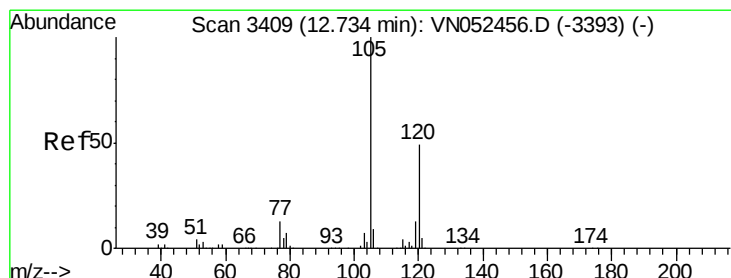
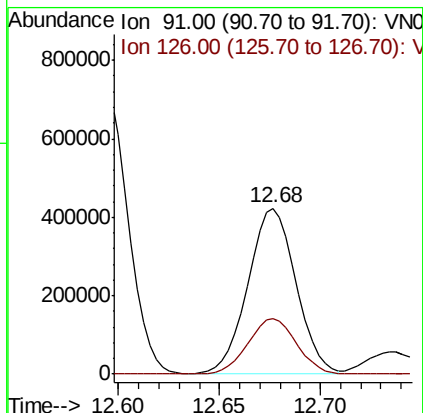
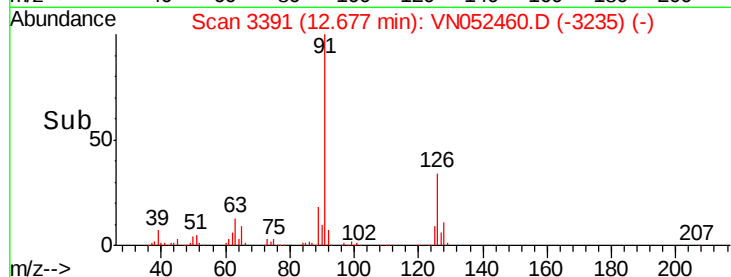
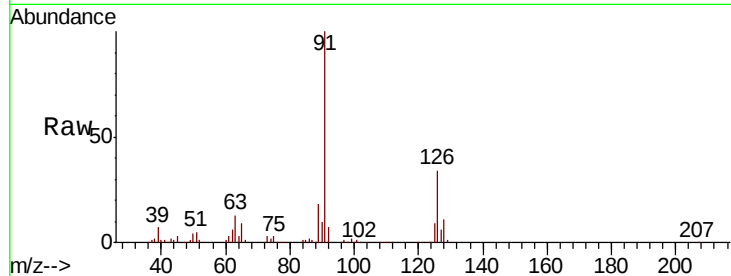
ClientSampled :

Tot Ion: 91 Resp: 705534

Ion Ratio Lower Upper

91 100

126 34.0 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 21.096 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052460.D

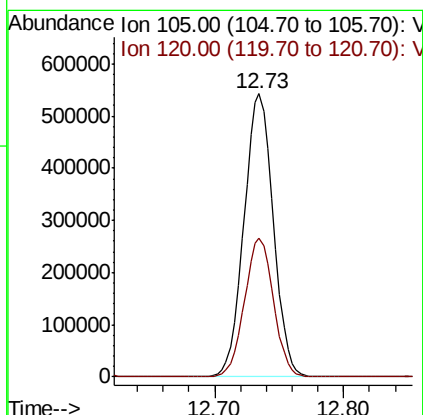
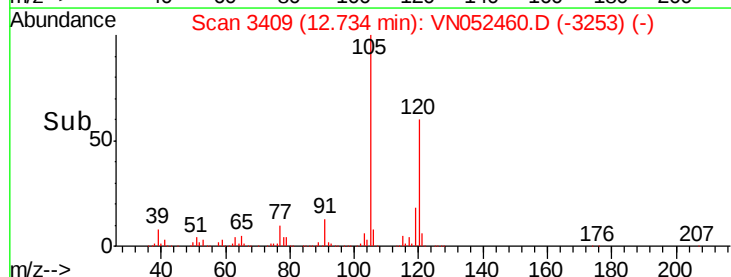
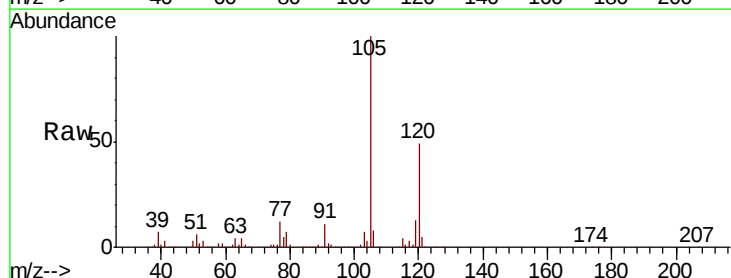
Acq: 26 Nov 2018 15:42

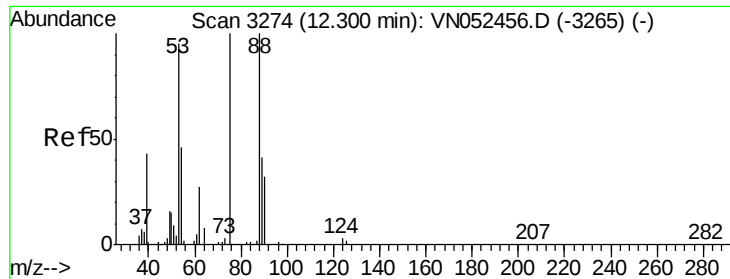
Tgt Ion: 105 Resp: 856901

Ion Ratio Lower Upper

105 100

120 48.5 0.0 97.4

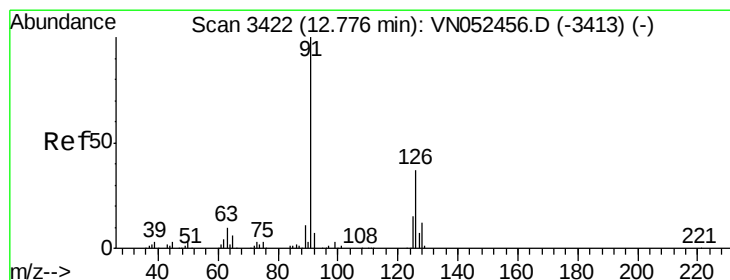
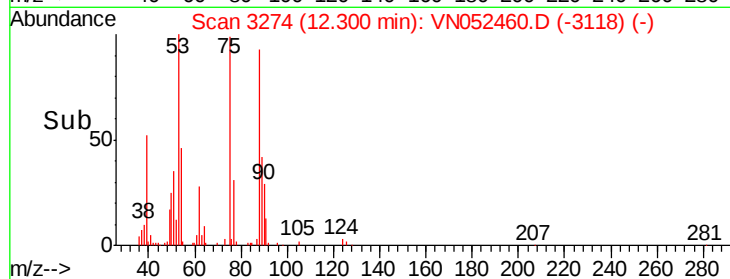
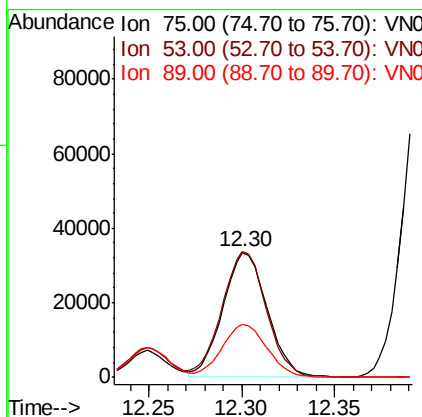
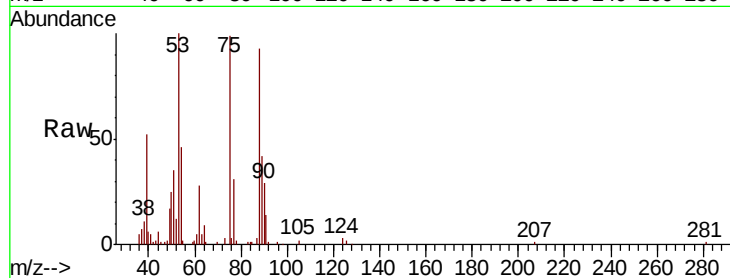




#77
t-1,4-Dichloro-2-butene
Concen: 18.870 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

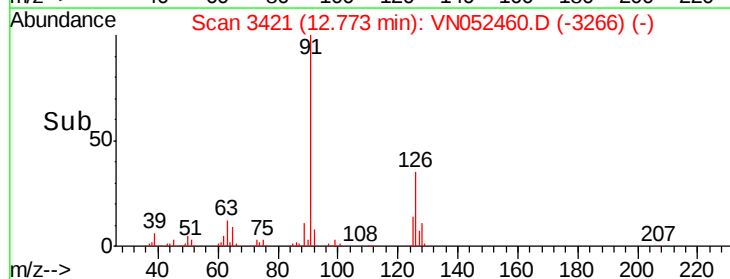
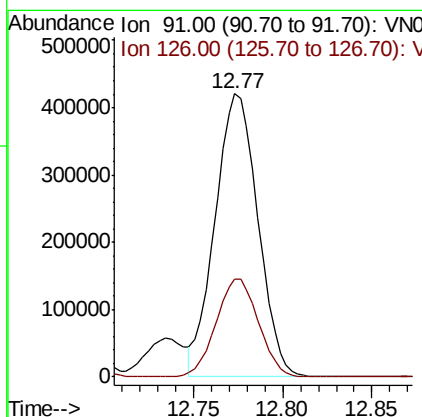
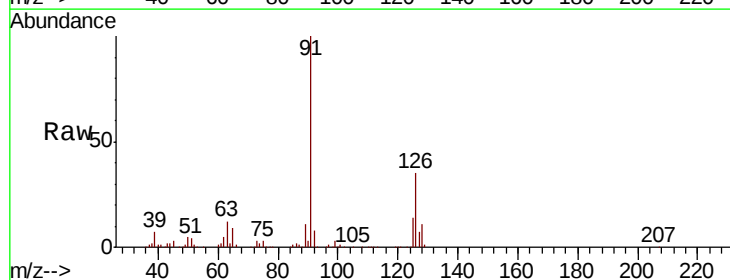
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 55977
Ion Ratio Lower Upper
75 100
53 100.8 48.5 145.6
89 43.1 21.7 65.1



#78
4-Chlorotoluene
Concen: 20.635 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 91 Resp: 700830
Ion Ratio Lower Upper
91 100
126 34.3 0.0 68.2

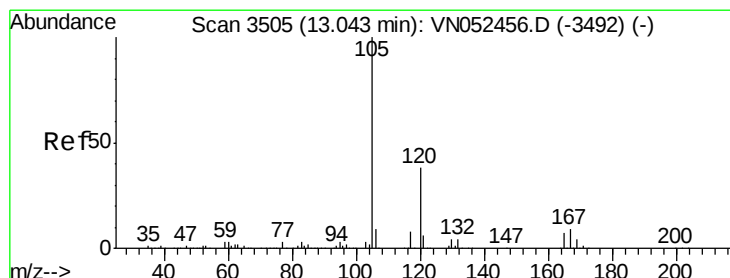
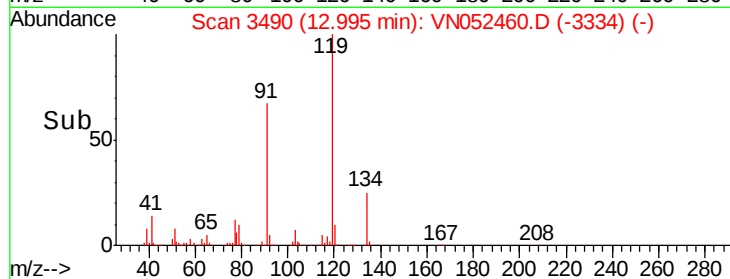
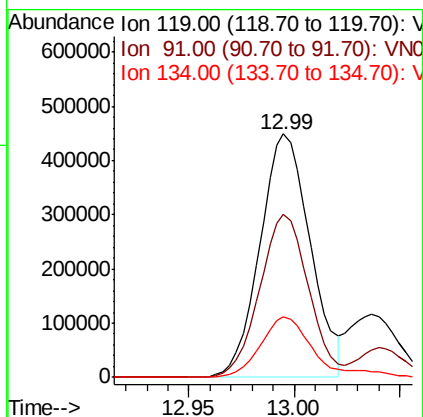
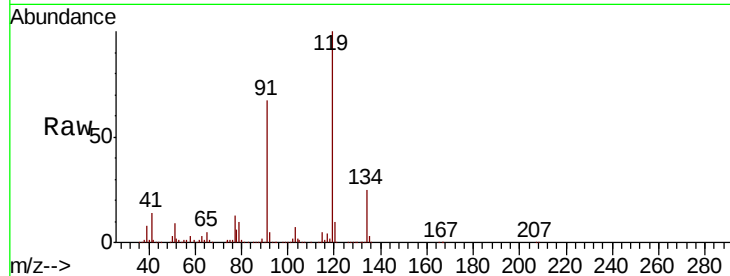




#79
tert-butylbenzene
Concen: 21.072 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

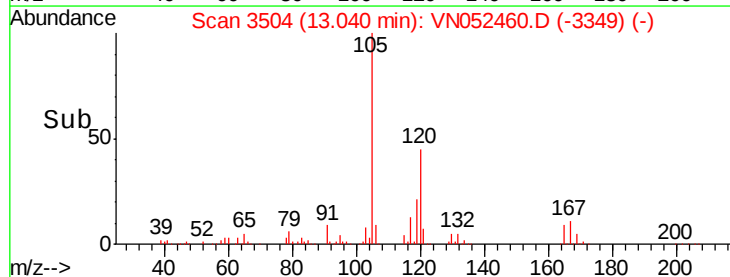
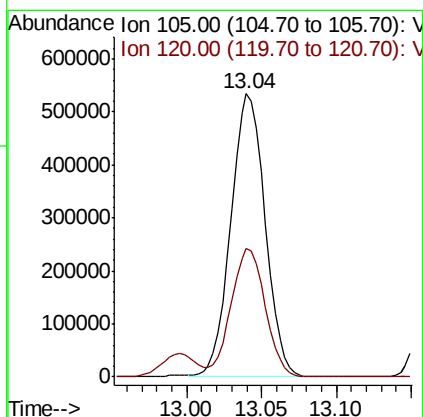
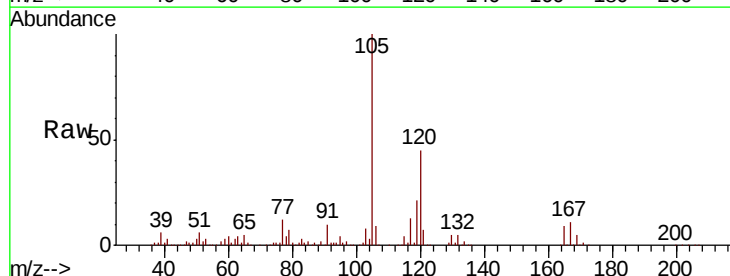
Instrument :
MSVOA_N
ClientSampleId :

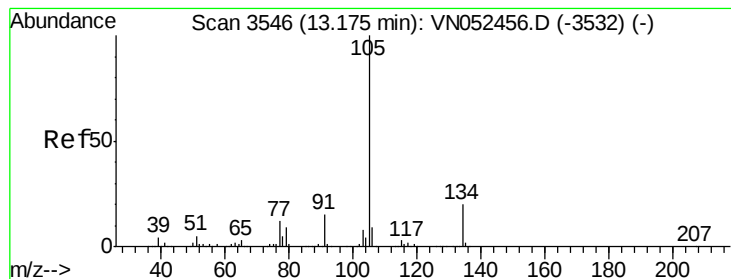
Tot Ion:119 Resp: 745396
Ion Ratio Lower Upper
119 100
91 64.8 0.0 129.8
134 24.6 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.969 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion:105 Resp: 852276
Ion Ratio Lower Upper
105 100
120 45.1 0.0 91.0





#81

sec-Butylbenzene

Concen: 20.977 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

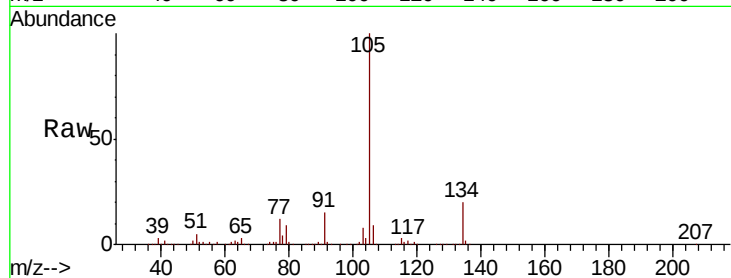
ClientSampleId :

Tot Ion:105 Resp: 1033562

Ion Ratio Lower Upper

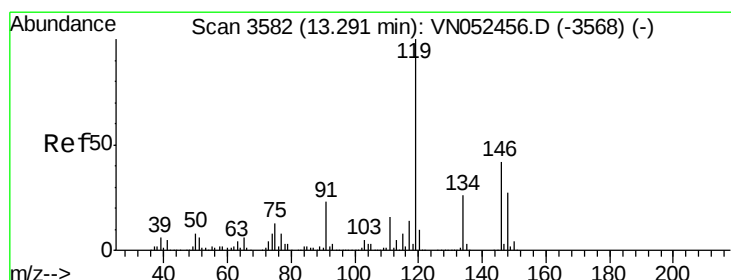
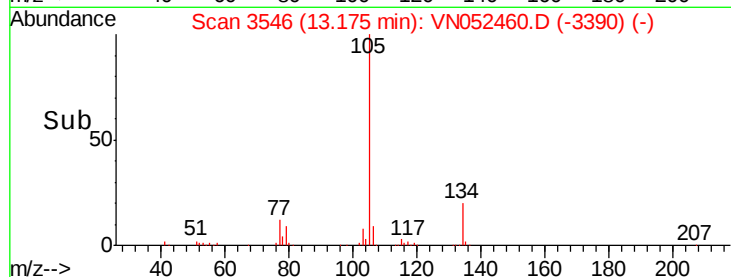
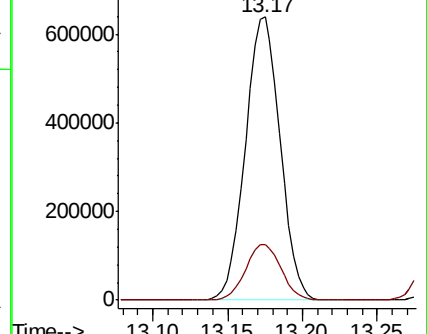
105 100

134 20.1 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.039 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

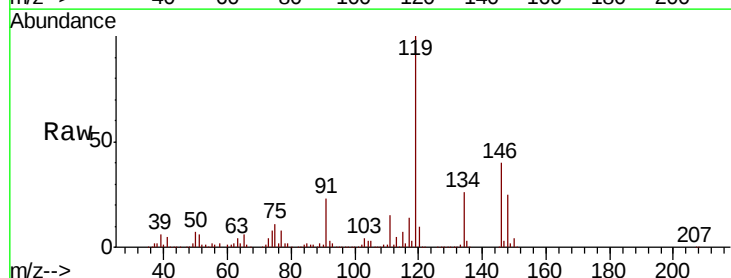
Tgt Ion:119 Resp: 882710

Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.6

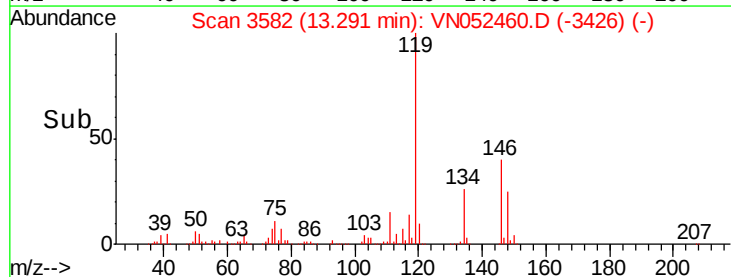
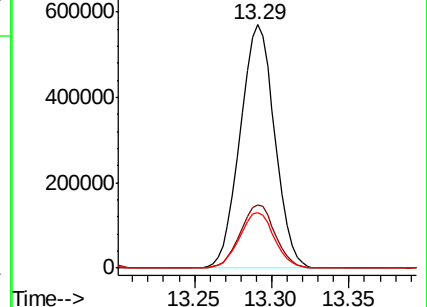
91 23.0 0.0 46.2

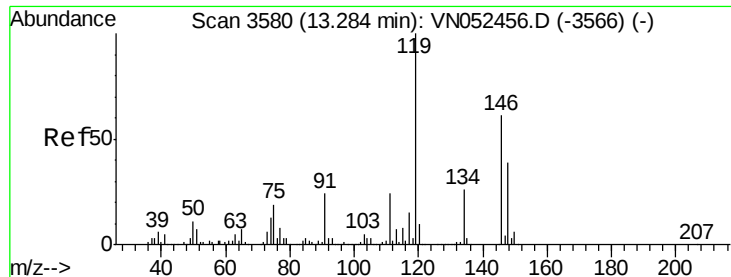


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

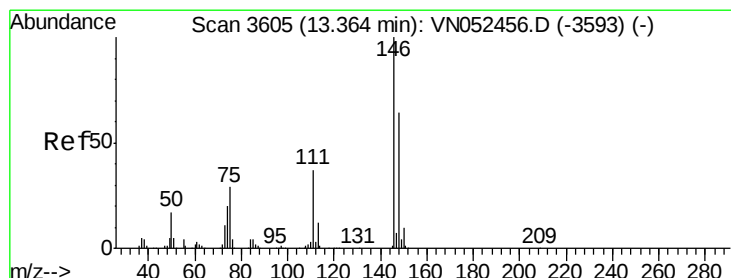
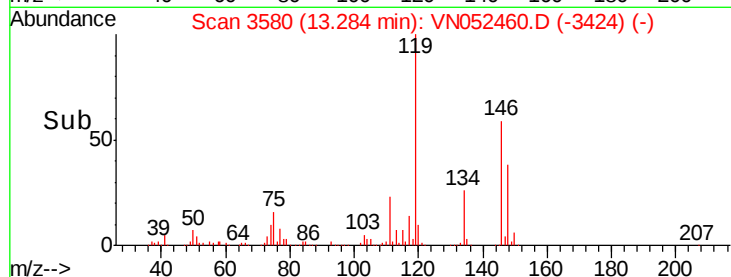
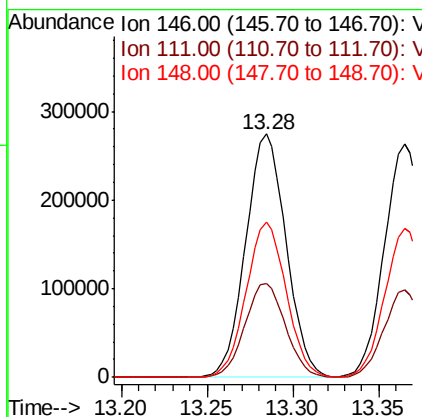
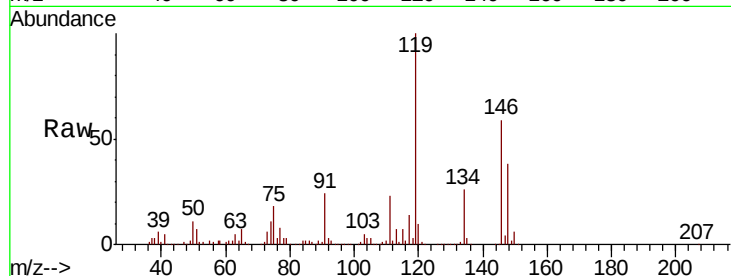




#83
 1,3-Dichlorobenzene
 Concen: 20.948 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

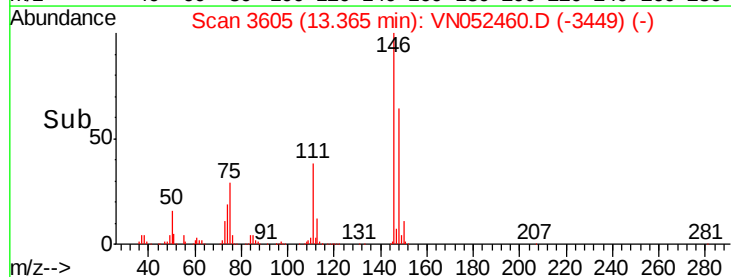
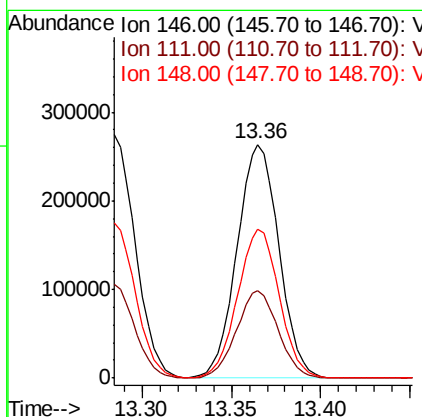
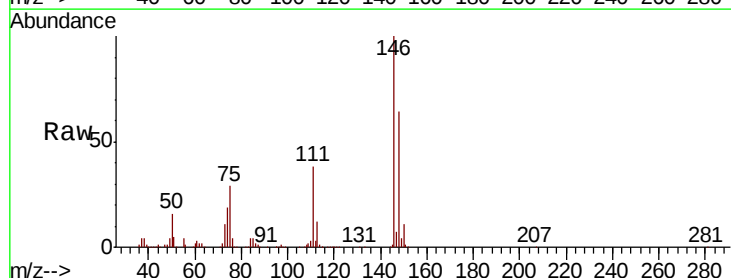
Instrument :
 MSVOA_N
 ClientSampled :

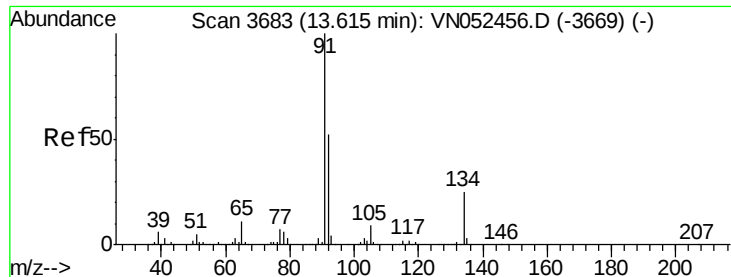
Tot Ion:146 Resp: 448102
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.0
 148 63.2 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 20.830 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion:146 Resp: 430491
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 63.4 32.5 97.4

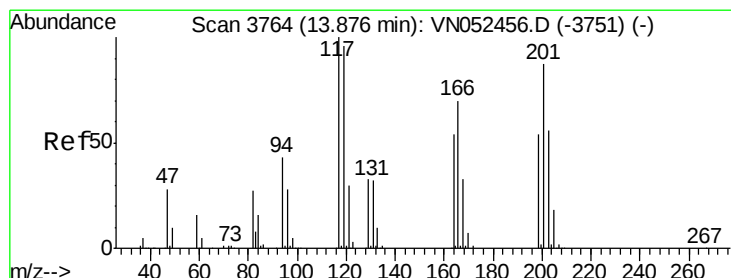
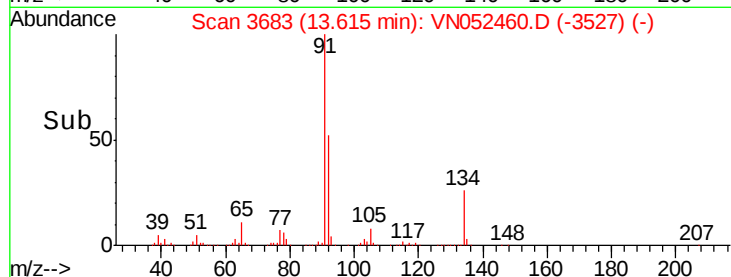
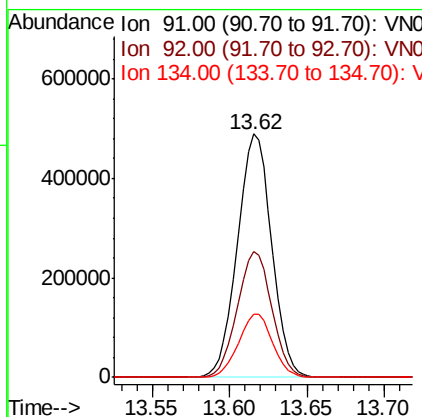
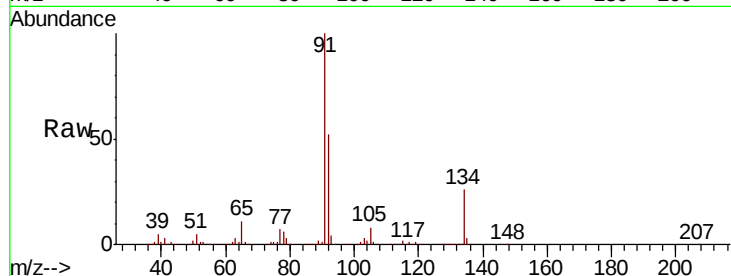




#85
n-Butylbenzene
Concen: 20.871 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

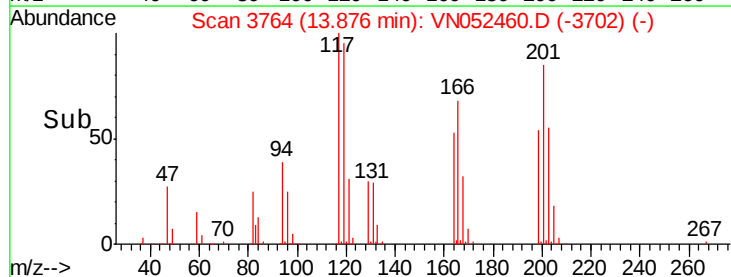
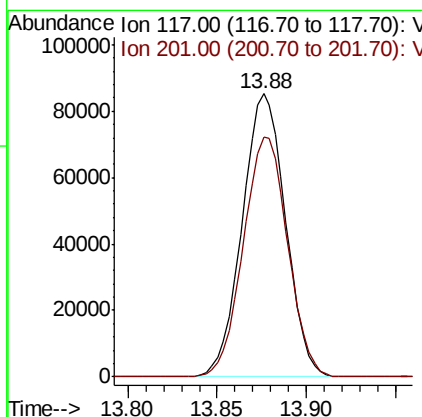
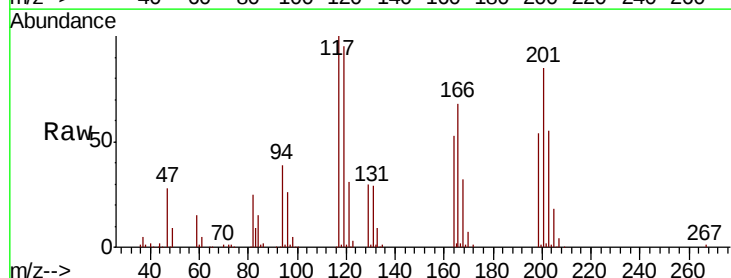
Instrument :
MSVOA_N
ClientSampleId :

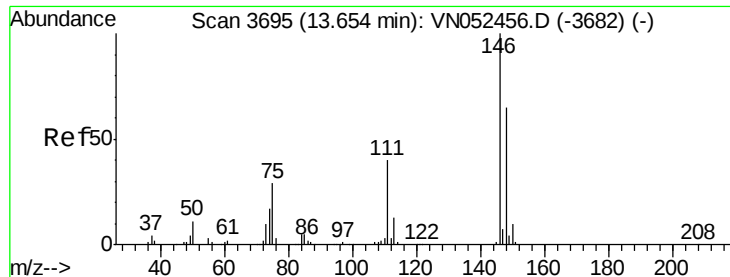
Tot Ion: 91 Resp: 752176
Ion Ratio Lower Upper
91 100
92 52.1 0.0 104.2
134 25.8 0.0 50.6



#86
Hexachloroethane
Concen: 20.312 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 117 Resp: 144395
Ion Ratio Lower Upper
117 100
201 86.7 43.8 131.3

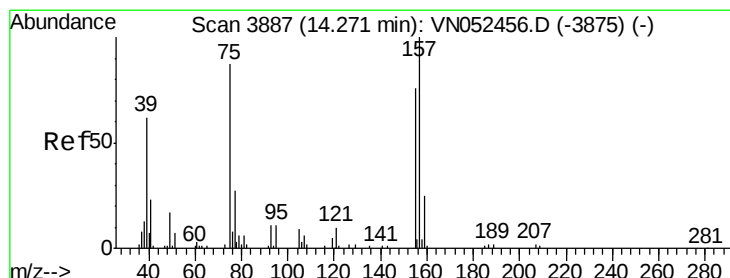
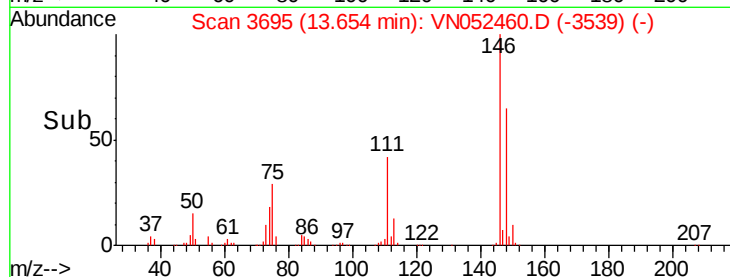
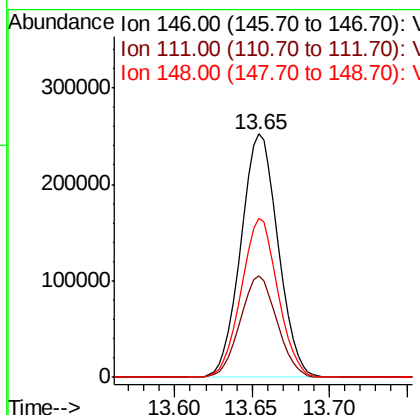
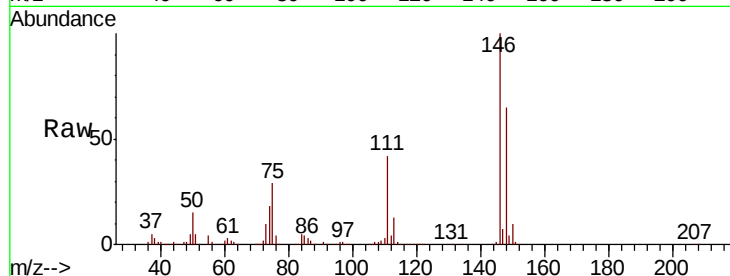




#87
 1,2-Dichlorobenzene
 Concen: 20.737 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

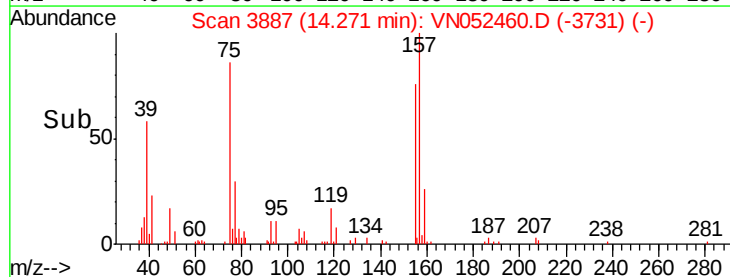
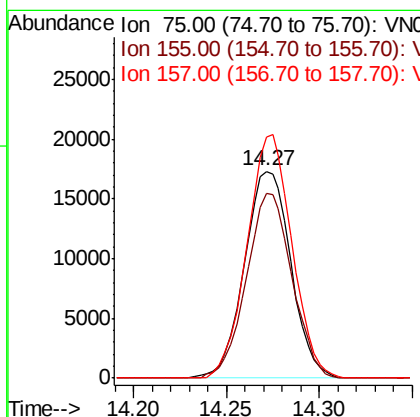
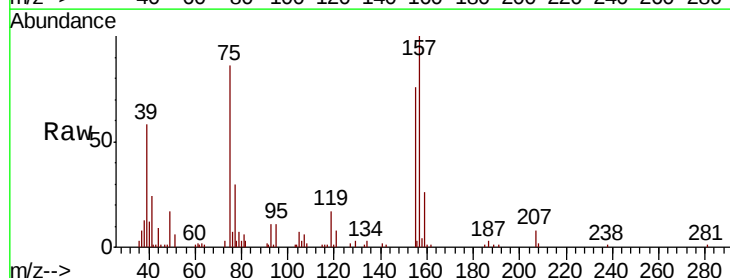
Instrument :
 MSVOA_N
 ClientSampleId :

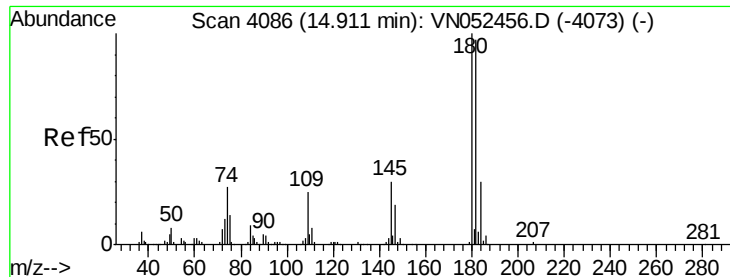
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	60.8
148	64.3	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.589 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	72.2	108.2
157	113.5	94.2	141.2

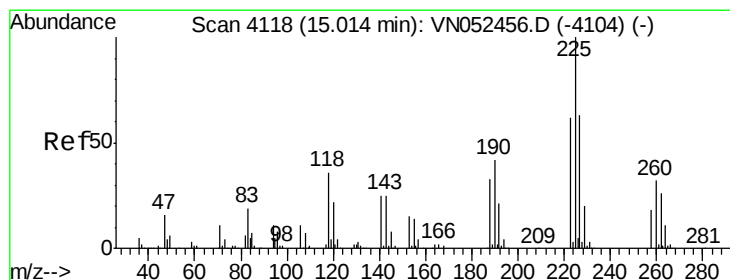
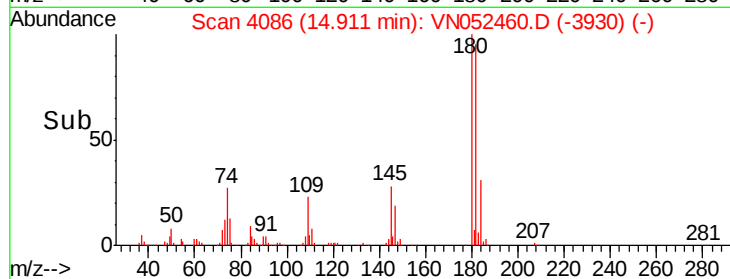
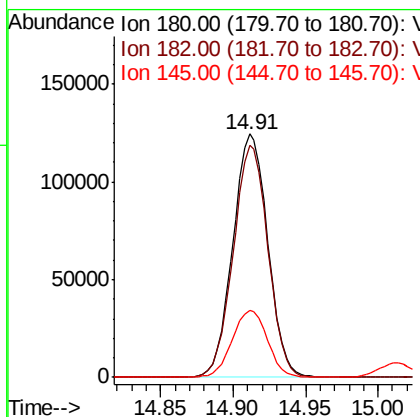
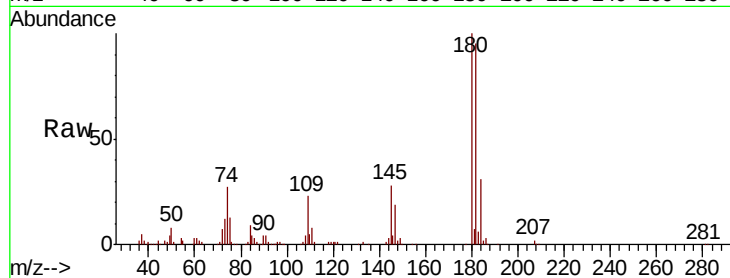




#89
 1,2,4-Trichlorobenzene
 Concen: 20.782 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

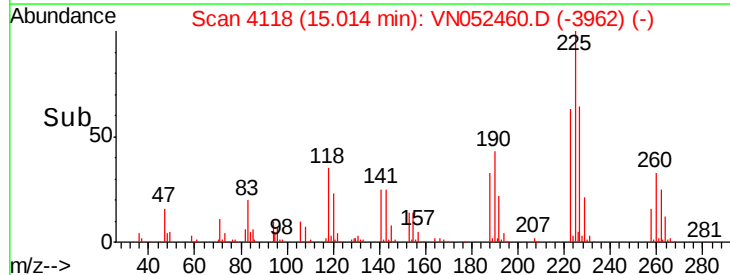
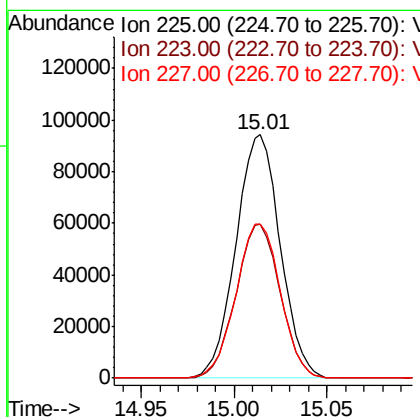
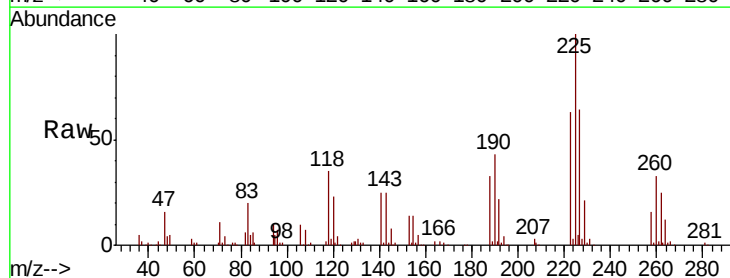
Instrument :
 MSVOA_N
 ClientSampleId :

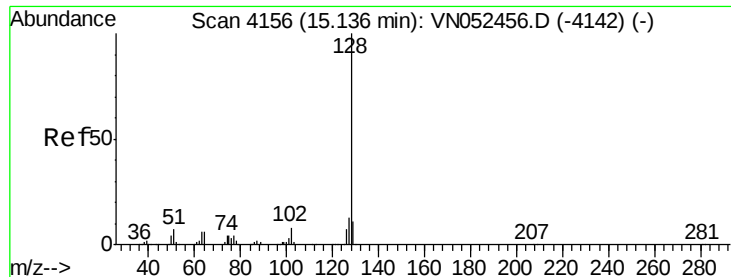
Tot Ion:180 Resp: 208419
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 114.8
 145 27.8 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 23.818 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion:225 Resp: 156698
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 125.6
 227 63.4 0.0 127.8

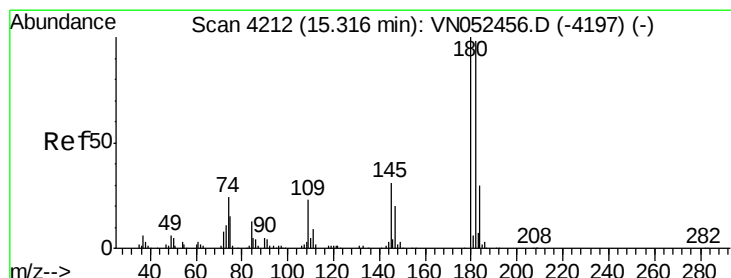
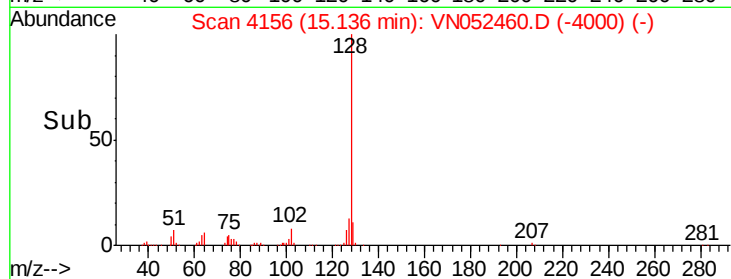
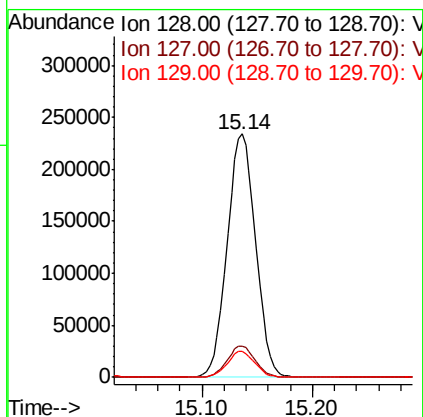
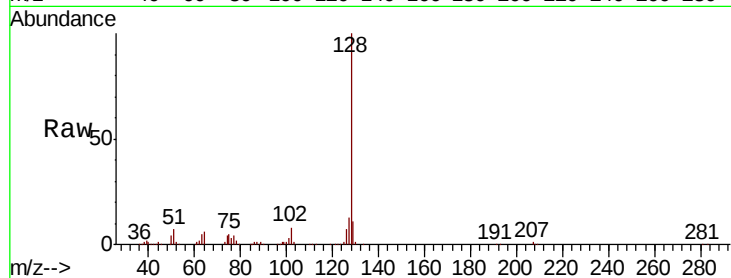




#91
Naphthalene
Concen: 20.678 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 418795
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 10.3 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 21.095 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion:180 Resp: 194969
Ion Ratio Lower Upper
180 100
182 94.8 0.0 196.2
145 30.4 0.0 62.2

