

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052731.D
 Acq On : 7 Dec 2018 17:12
 Operator : MD\SY
 Sample : VN1207WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Quant Time: Dec 07 22:13:29 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	149180	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	853170	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	746146	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	306002	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.40	95	342088	29.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.97%
63) Toluene-d8	10.09	98	1039250	30.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	164420	19.352 ug/l	97
3) Chloromethane	2.06	50	215191	19.098 ug/l	99
4) Vinyl Chloride	2.19	62	223486	19.651 ug/l	97
5) Bromomethane	2.57	94	92950	14.334 ug/l	95
6) Chloroethane	2.71	64	133842	19.790 ug/l	99
7) Trichlorofluoromethane	3.02	101	285728	20.357 ug/l	98
8) Diethyl Ether	3.41	74	110459	21.314 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	181636	20.414 ug/l	88
10) 1,1-Dichloroethene	3.74	96	171747	20.530 ug/l	100
11) Methyl Iodide	3.96	142	162838	14.019 ug/l	100
12) Methyl Acetate	4.33	43	160312	22.554 ug/l	97
13) Acrolein	3.61	56	50367	60.323 ug/l	98
14) Acrylonitrile	4.99	53	332419	109.760 ug/l	98
15) Acetone	3.82	58	82616	105.332 ug/l	93
16) Carbon Disulfide	4.06	76	491486	18.557 ug/l	100
17) Allyl chloride	4.33	41	293203	20.097 ug/l	100
18) Methylene Chloride	4.55	84	204996	21.164 ug/l	95
19) trans-1,2-Dichloroethene	5.05	96	185846	20.643 ug/l	94
20) Diisopropyl ether	5.95	45	630889	20.577 ug/l	99
21) 1,1-Dichloroethane	5.85	63	360643	20.638 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	212444	20.590 ug/l	99
23) tert-Butyl Alcohol	4.78	59	55327	122.803 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	470662	21.446 ug/l	98
25) Chloroform	7.37	83	351923	20.875 ug/l	100
26) Cyclohexane	7.65	56	320376	19.439 ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	264852	20.328 ug/l	99
30) 2-Butanone	6.84	43	386174	110.769 ug/l	99
31) 2,2-Dichloropropane	6.83	77	250355	20.872 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	287601	21.215 ug/l	98
33) Carbon Tetrachloride	7.78	117	249649	21.046 ug/l	97
34) Benzene	8.04	78	821461	20.971 ug/l	99
35) Methacrylonitrile	7.17	41	83159	19.226 ug/l	96
36) 1,2-Dichloroethane	8.12	62	246990	20.808 ug/l	99
37) Trichloroethene	8.84	130	205291	20.668 ug/l	100
38) Methylcyclohexane	9.08	83	323496	20.058 ug/l	97
39) 1,2-Dichloropropane	9.12	63	219504	20.905 ug/l	100
40) Dibromomethane	9.21	93	124686	21.974 ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	261248	20.839	ug/l	99
42) Vinyl Acetate	5.90	43	1997152	105.877	ug/l	99
43) Ethyl Acetate	6.93	43	162909	21.975	ug/l #	67
44) Isopropyl Acetate	8.17	43	303220	23.322	ug/l	97
45) 1,4-Dioxane	9.20	88	35336	496.810	ug/l	95
46) Methyl methacrylate	9.20	41	149552	22.154	ug/l	97
47) n-amyl Acetate	12.07	43	233972	21.705	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	253972	20.893	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	303090	20.466	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	177284	22.041	ug/l	99
51) Ethyl methacrylate	10.43	69	224899	22.263	ug/l	95
52) 1,3-Dichloropropane	10.71	76	307061	21.448	ug/l	99
53) Dibromochloromethane	10.90	129	190817	21.548	ug/l	97
54) 1,2-Dibromoethane	11.01	107	173071	22.020	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	630983	106.708	ug/l	98
56) Bromoform	12.13	173	127166	21.970	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	849523	117.440	ug/l	99
59) 2-Hexanone	10.75	43	564395	114.217	ug/l	100
61) Tetrachloroethene	10.63	164	197884	21.533	ug/l	95
62) Toluene	10.16	91	865934	21.052	ug/l	99
64) Chlorobenzene	11.43	112	533779	21.261	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	190989	21.916	ug/l	98
66) Ethyl Benzene	11.51	91	919657	20.745	ug/l	100
67) m/p-Xylenes	11.62	106	689272	41.733	ug/l	100
68) o-Xylene	11.95	106	342306	21.354	ug/l	98
69) Styrene	11.96	104	543239	20.995	ug/l	100
70) Isopropylbenzene	12.25	105	906825	21.261	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	214546	23.124	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	258989	32.518	ug/l	45
73) Bromobenzene	12.53	156	223379	21.654	ug/l	97
74) n-propylbenzene	12.59	91	1019289	20.511	ug/l	99
75) 2-Chlorotoluene	12.68	91	608815	21.106	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	733103	21.280	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	52306	20.789	ug/l	97
78) 4-Chlorotoluene	12.77	91	598252	20.768	ug/l	100
79) tert-butylbenzene	12.99	119	645354	21.510	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	727423	21.102	ug/l	99
81) sec-Butylbenzene	13.17	105	871876	20.864	ug/l	99
82) p-Isopropyltoluene	13.29	119	740253	20.803	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	377596	20.813	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	363052	20.712	ug/l	99
85) n-Butylbenzene	13.62	91	586989	19.204	ug/l	100
86) Hexachloroethane	13.88	117	127056	21.073	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	377203	21.848	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31302	24.085	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	171939	20.214	ug/l	99
90) Hexachlorobutadiene	15.01	225	119463	21.410	ug/l	99
91) Naphthalene	15.13	128	353865	20.601	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	168021	21.435	ug/l	98

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Response via : Initial Calibration

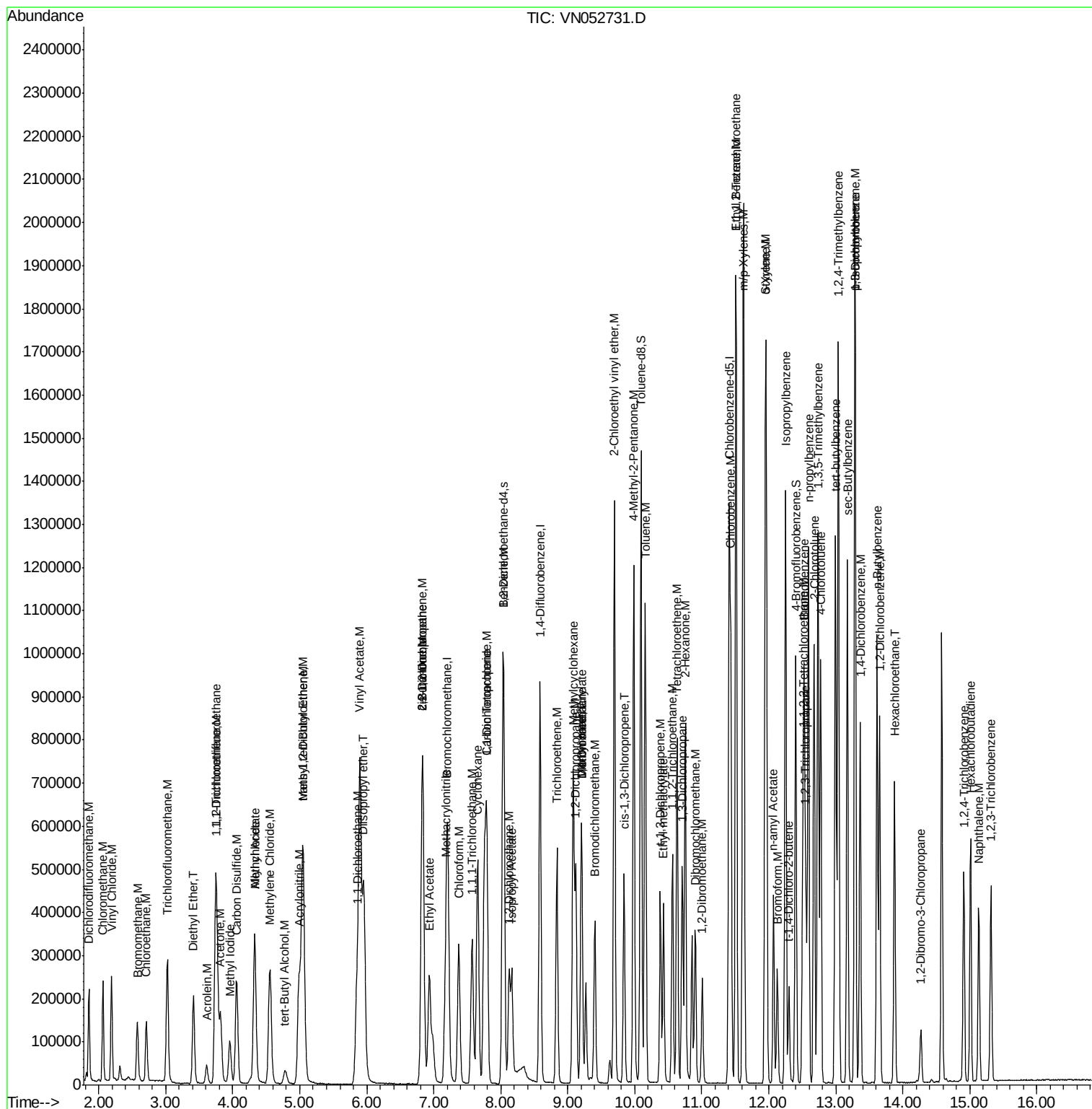
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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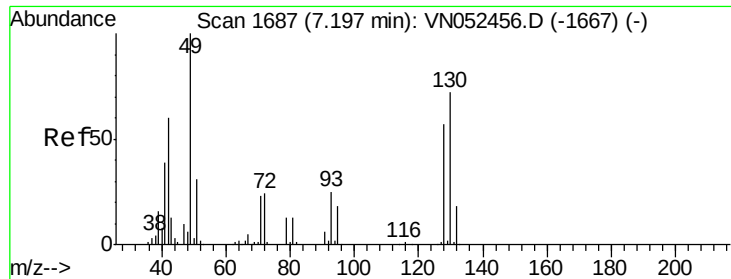
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120718\
Data File : VN052731.D
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ALS Vial : 17 Sample Multiplier: 28

Instrument :
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ClientSampleId :
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Quant Time: Dec 07 22:13:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
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QLast Update : Tue Nov 27 00:48:33 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

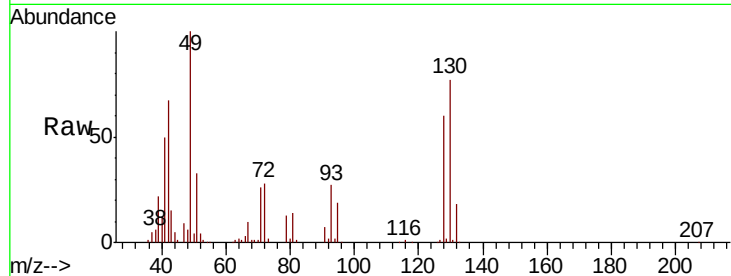
Tot Ion:128 Resp: 149180

Ion Ratio Lower Upper

128 100

49 165.1 0.0 431.8

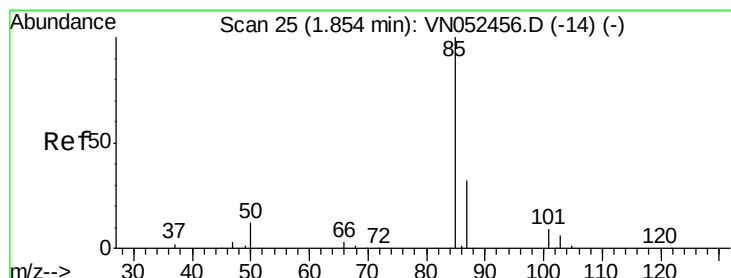
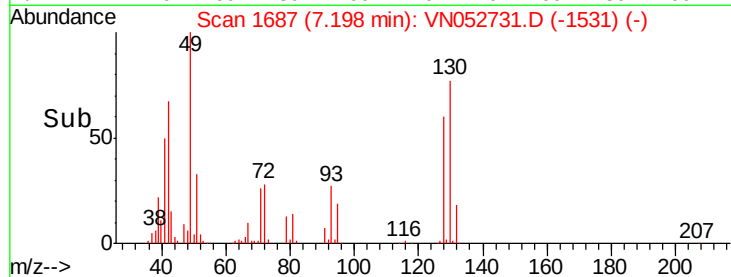
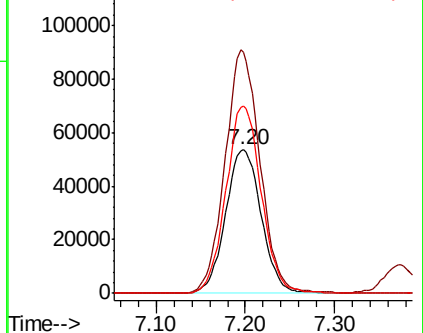
130 128.1 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.352 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052731.D

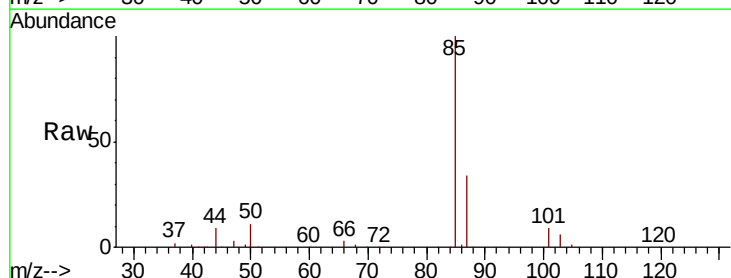
Acq: 7 Dec 2018 17:12

Tgt Ion: 85 Resp: 164420

Ion Ratio Lower Upper

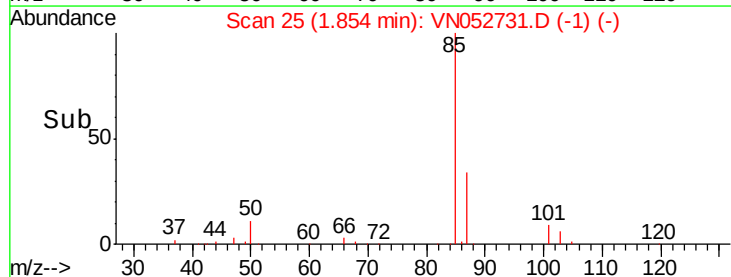
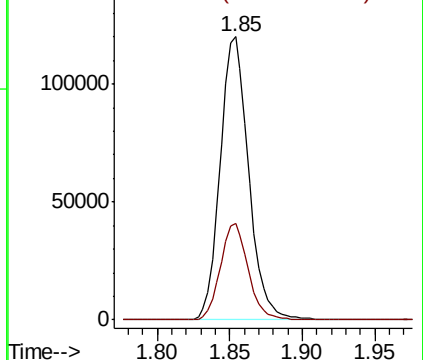
85 100

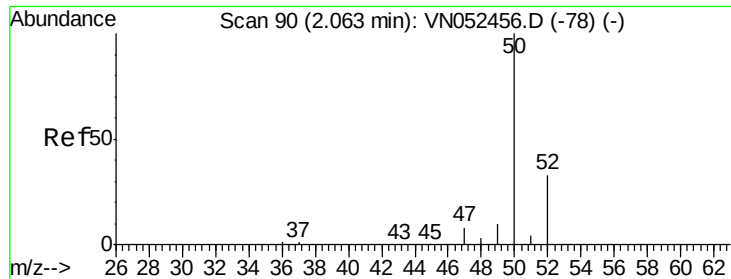
87 34.0 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.098 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

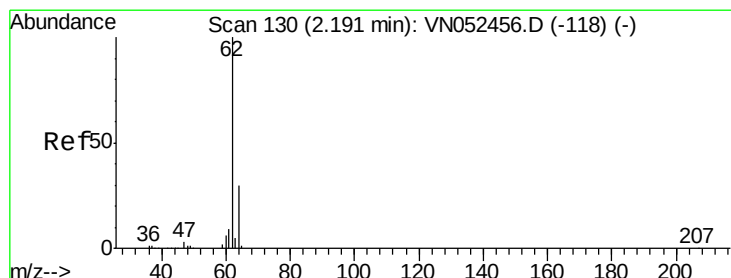
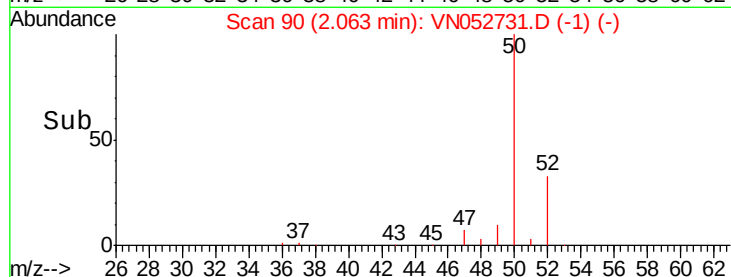
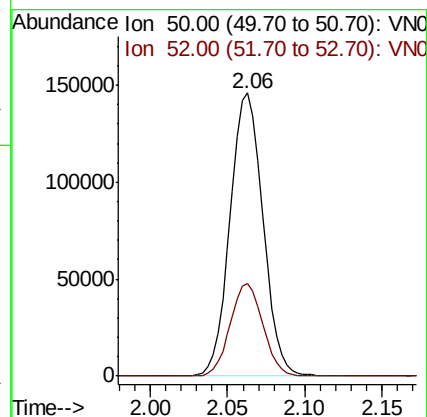
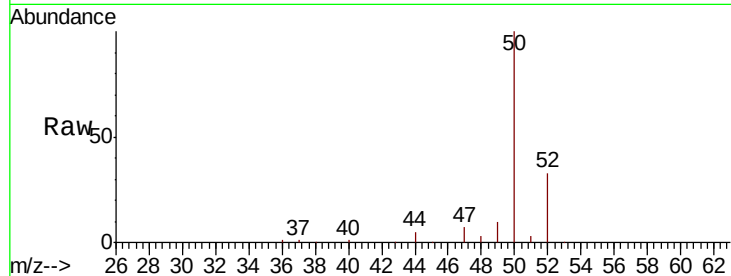
VN1207WBSD01

Tot Ion: 50 Resp: 215191

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7



#4

Vinyl Chloride

Concen: 19.651 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052731.D

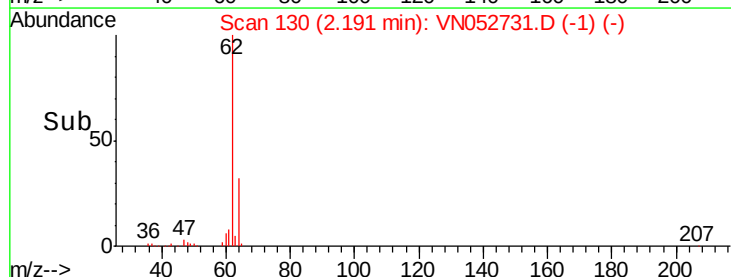
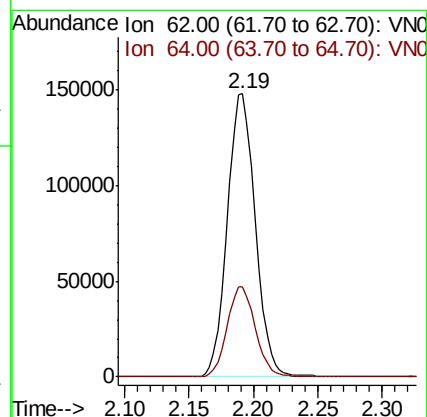
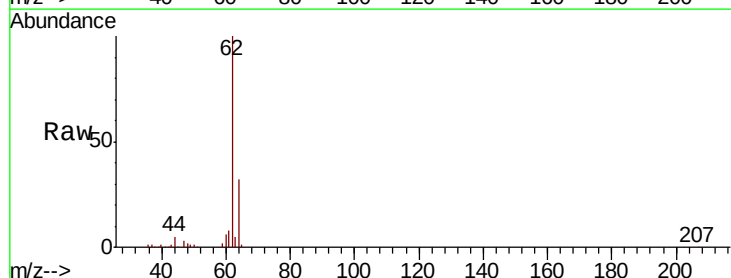
Acq: 7 Dec 2018 17:12

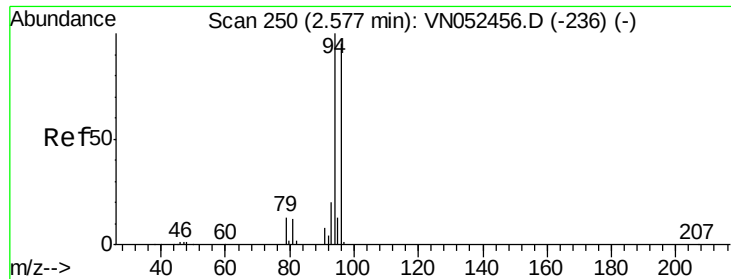
Tgt Ion: 62 Resp: 223486

Ion Ratio Lower Upper

62 100

64 31.9 24.2 36.4





#5

Bromomethane

Concen: 14.334 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

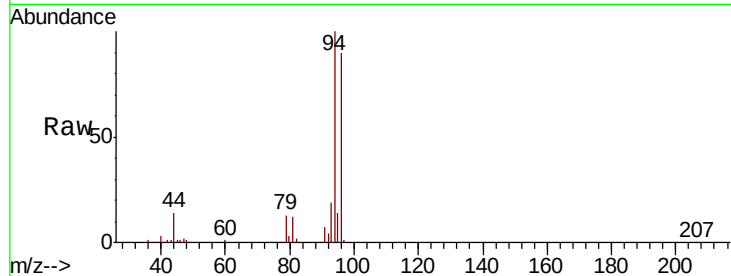
VN1207WBSD01

Tot Ion: 94 Resp: 92950

Ion Ratio Lower Upper

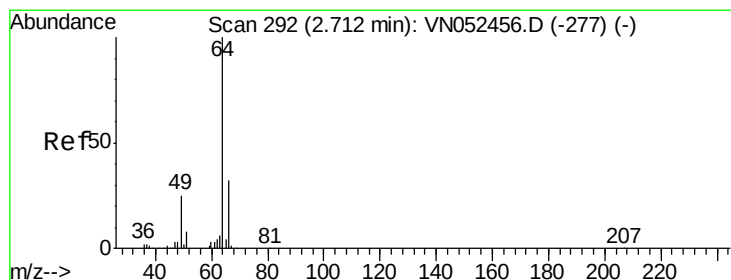
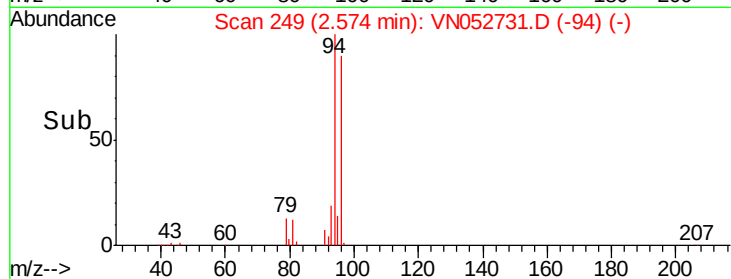
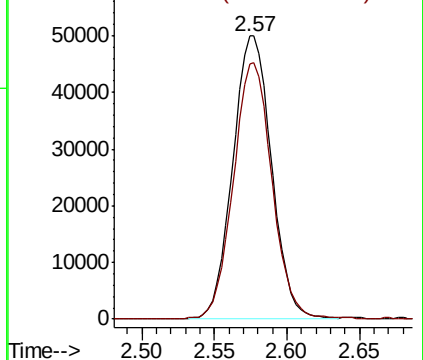
94 100

96 89.9 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.790 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052731.D

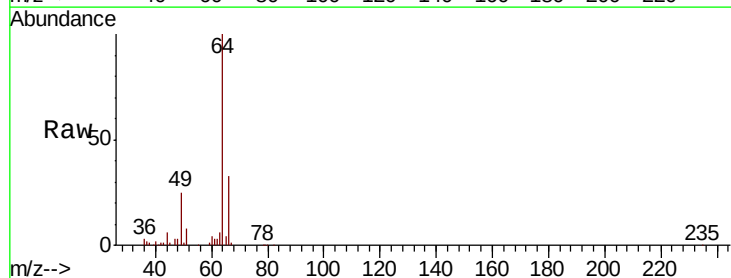
Acq: 7 Dec 2018 17:12

Tgt Ion: 64 Resp: 133842

Ion Ratio Lower Upper

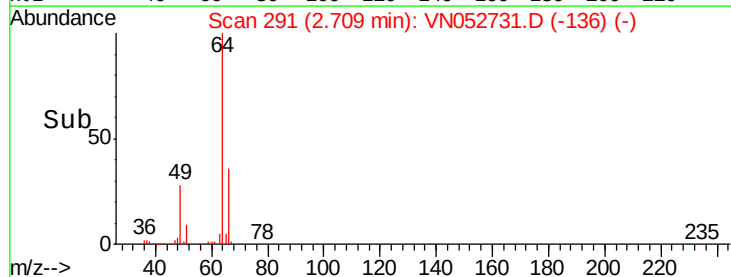
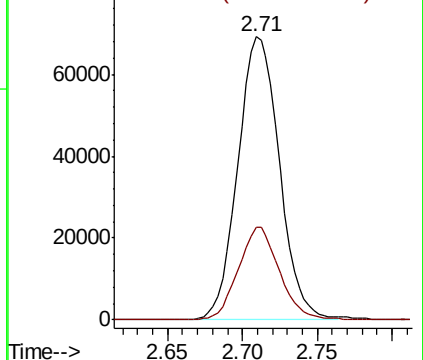
64 100

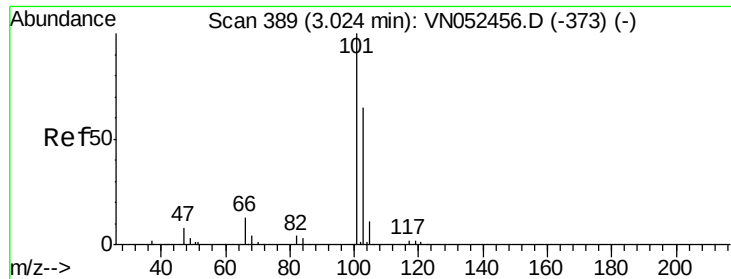
66 32.6 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



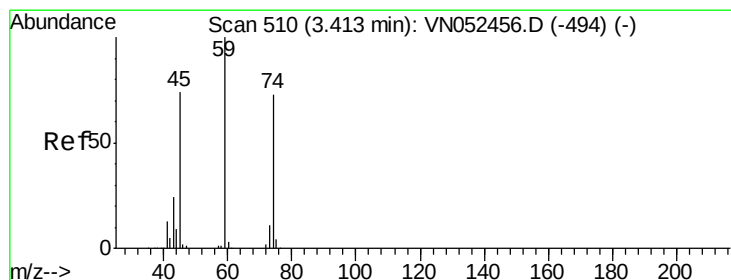
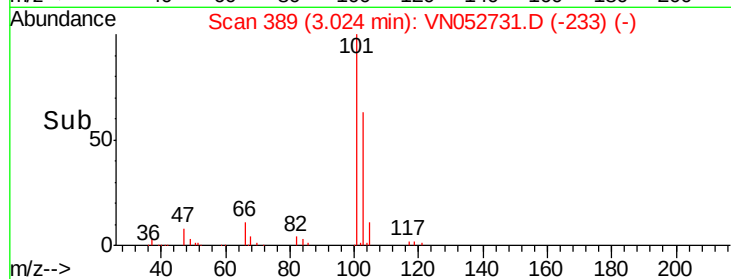
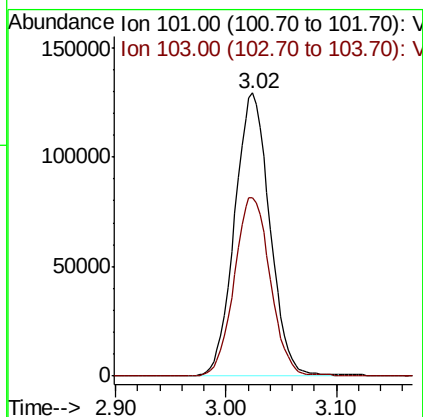
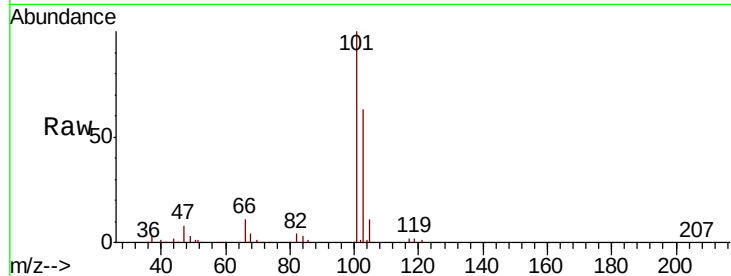


#7

Trichlorofluoromethane
 Concen: 20.357 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

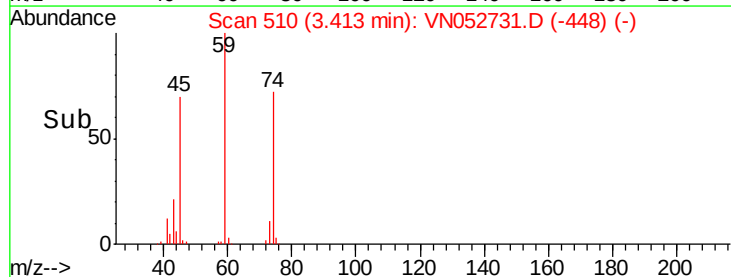
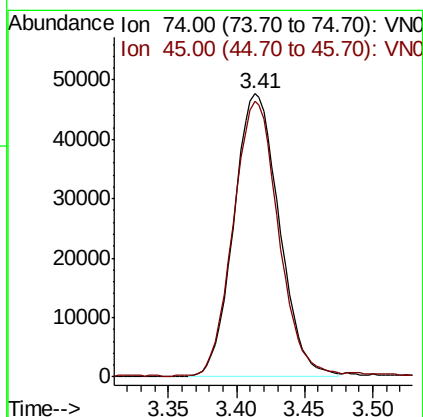
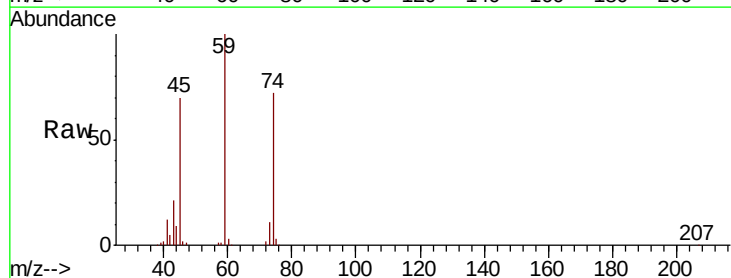
Tot Ion:101 Resp: 285728
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.1 78.1

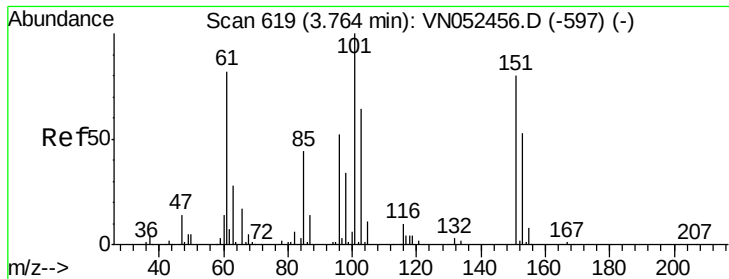


#8

Diethyl Ether
 Concen: 21.314 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion: 74 Resp: 110459
 Ion Ratio Lower Upper
 74 100
 45 95.8 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.414 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

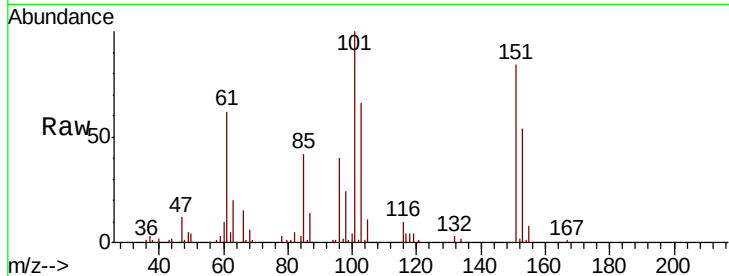
Tot Ion:101 Resp: 181636

Ion Ratio Lower Upper

101 100

85 23.6 0.0 82.6

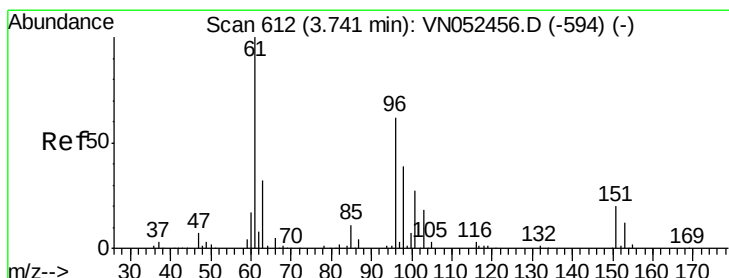
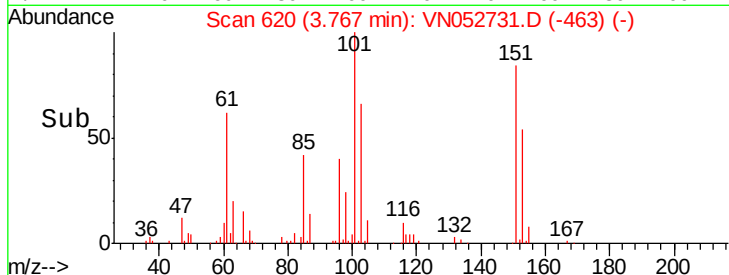
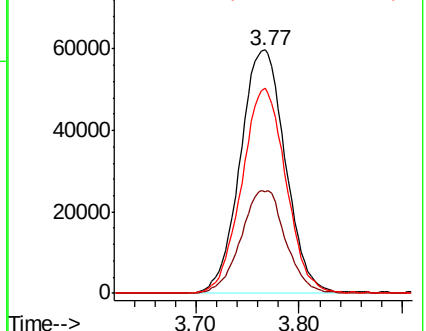
151 82.3 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.530 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

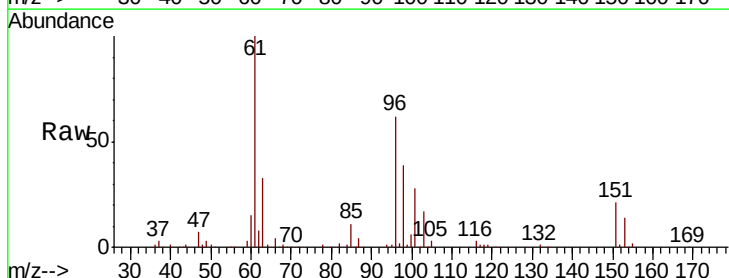
Tgt Ion: 96 Resp: 171747

Ion Ratio Lower Upper

96 100

61 161.4 129.4 194.2

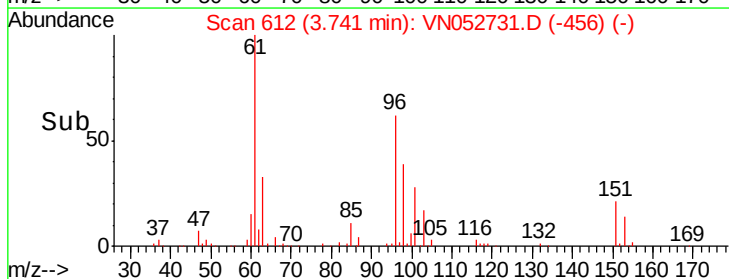
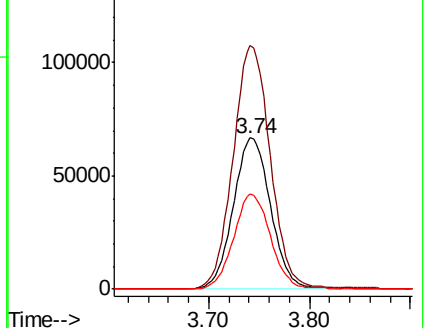
98 63.2 50.4 75.6

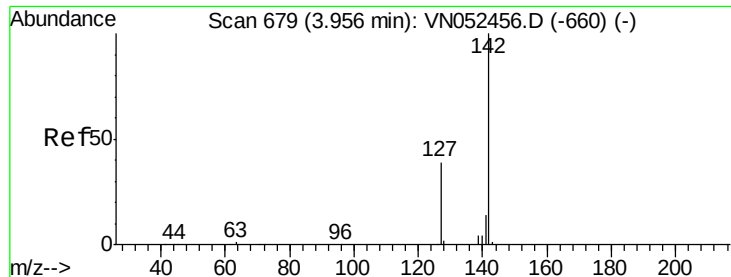


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

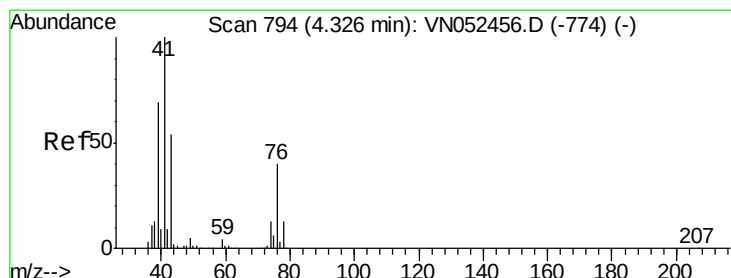
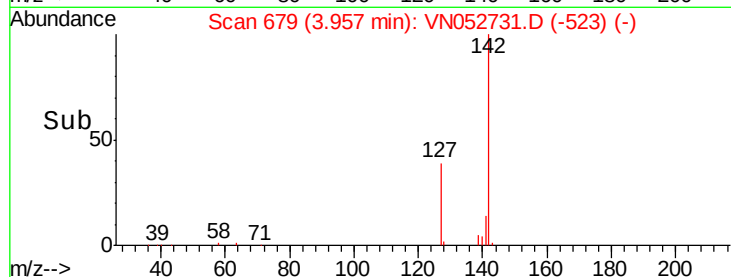
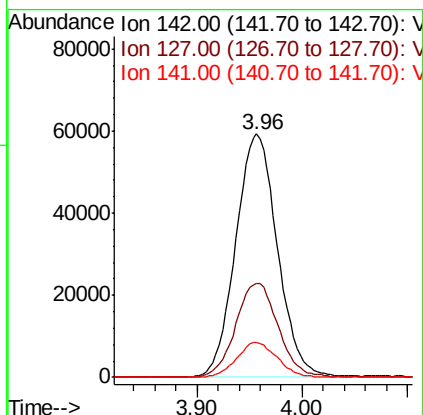
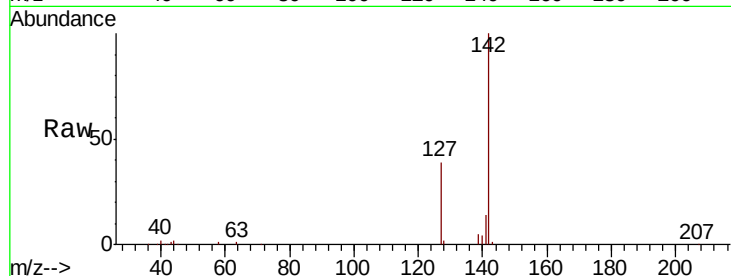




#11
Methvl Iodide
Concen: 14.019 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

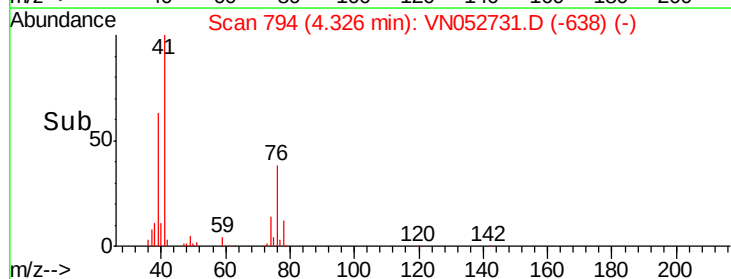
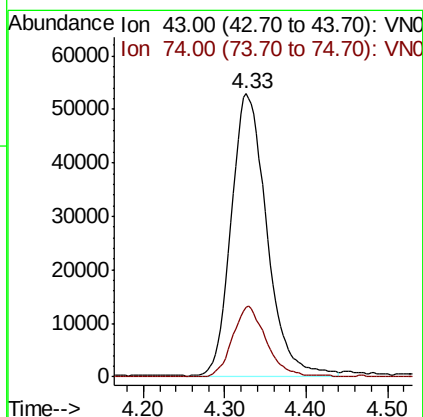
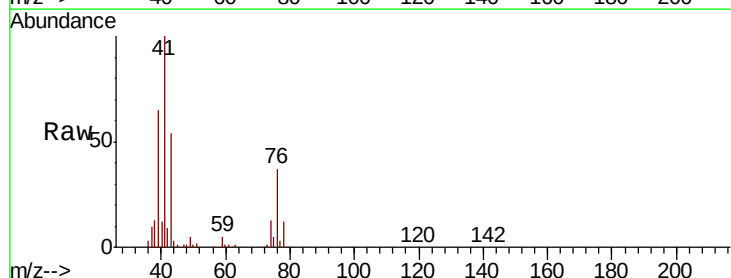
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

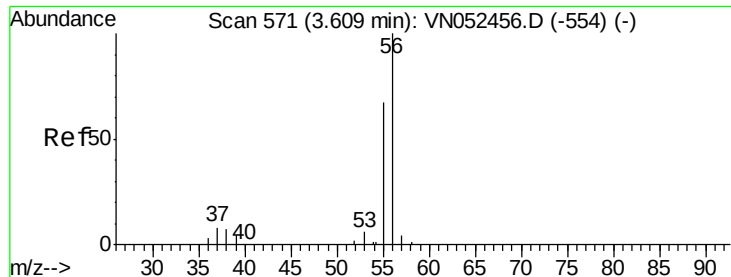
Tot Ion:142 Resp: 162838
Ion Ratio Lower Upper
142 100
127 38.5 19.4 58.1
141 14.2 7.2 21.6



#12
Methyl Acetate
Concen: 22.554 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 43 Resp: 160312
Ion Ratio Lower Upper
43 100
74 25.0 18.9 28.3

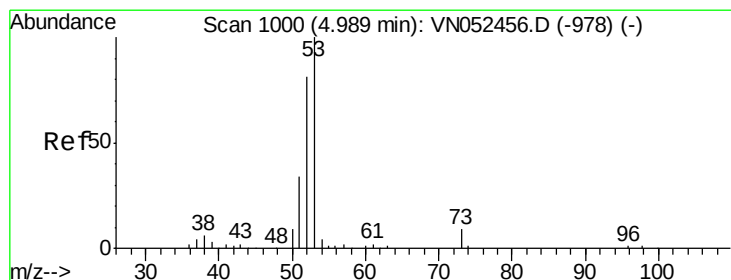
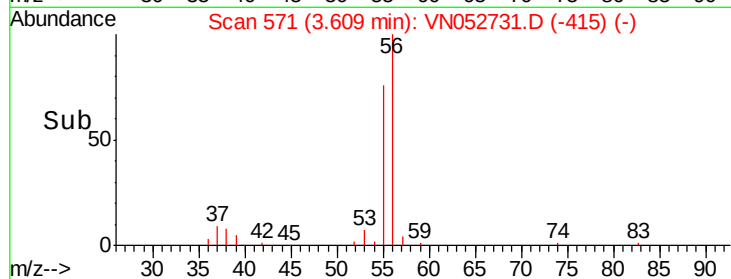
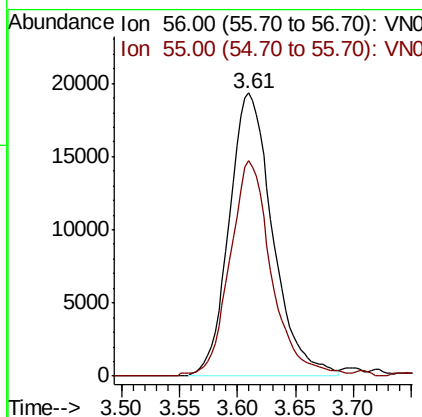
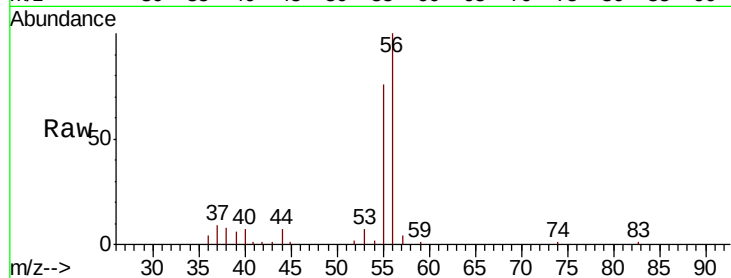




#13
Acrolein
Concen: 60.323 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

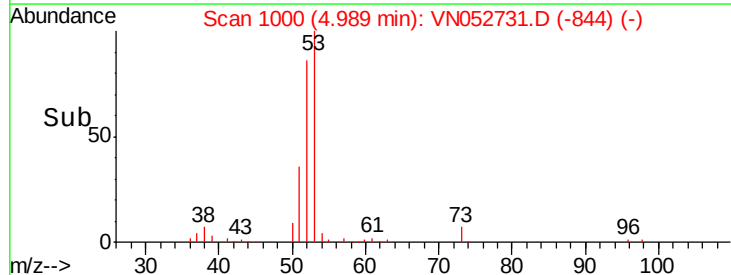
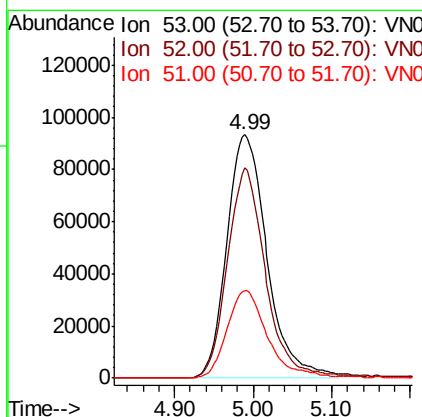
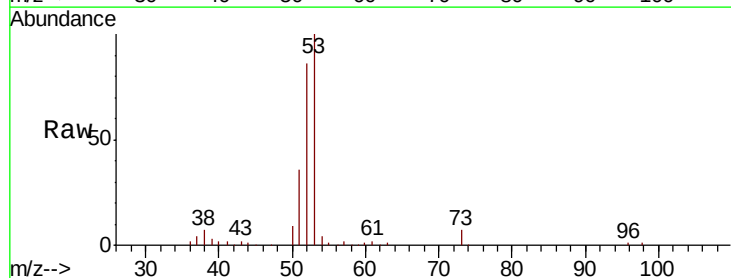
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

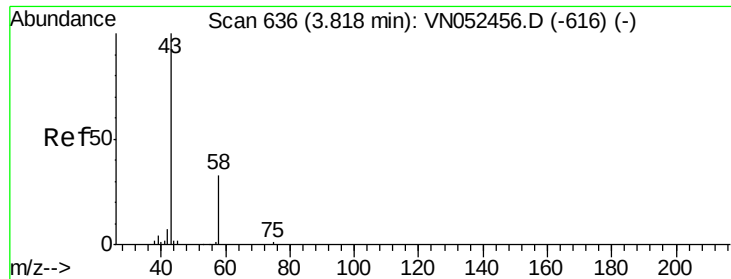
Tot Ion: 56 Resp: 50367
Ion Ratio Lower Upper
56 100
55 72.5 56.7 85.1



#14
Acrylonitrile
Concen: 109.760 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 53 Resp: 332419
Ion Ratio Lower Upper
53 100
52 81.9 39.9 119.7
51 36.2 17.6 52.9





#15

Acetone

Concen: 105.332 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

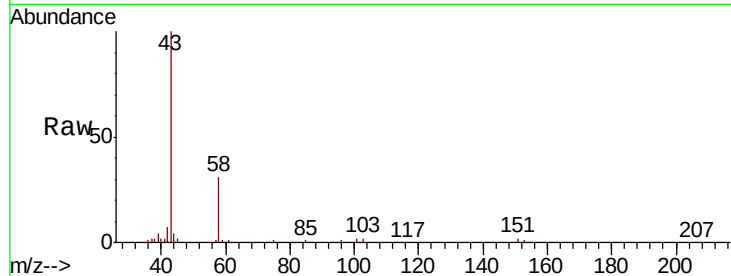
VN1207WBSD01

Tot Ion: 58 Resp: 82616

Ion Ratio Lower Upper

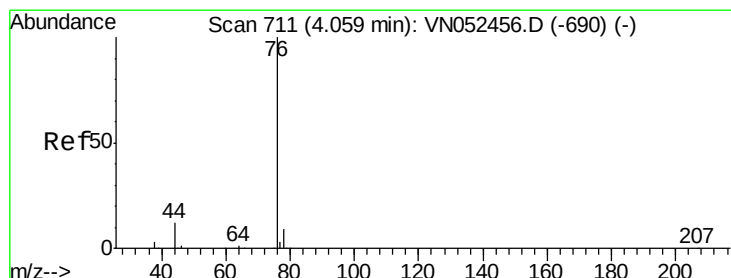
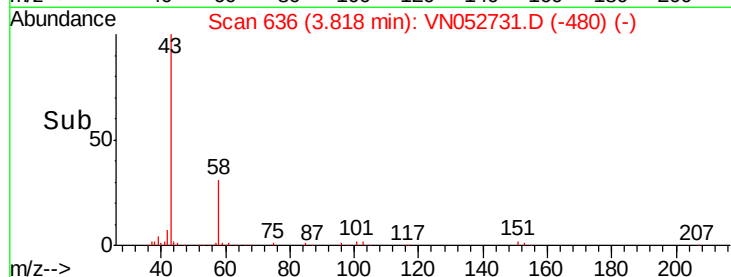
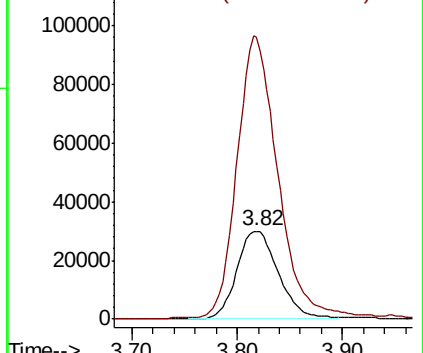
58 100

43 317.9 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.557 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052731.D

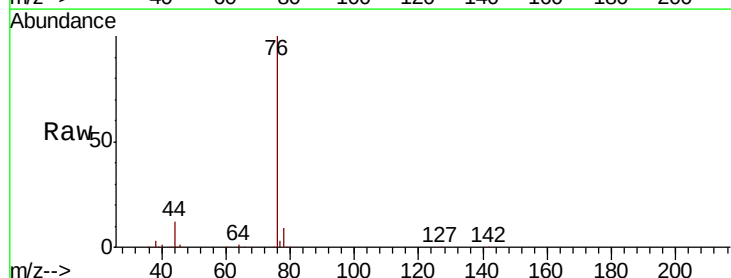
Acq: 7 Dec 2018 17:12

Tgt Ion: 76 Resp: 491486

Ion Ratio Lower Upper

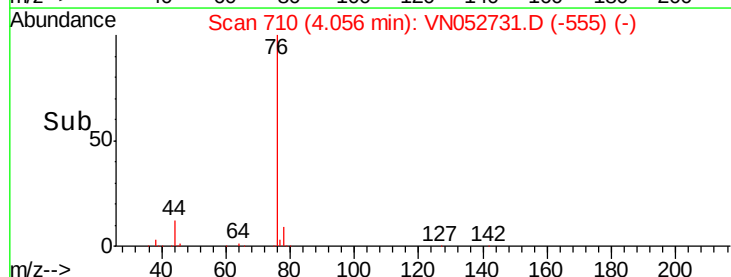
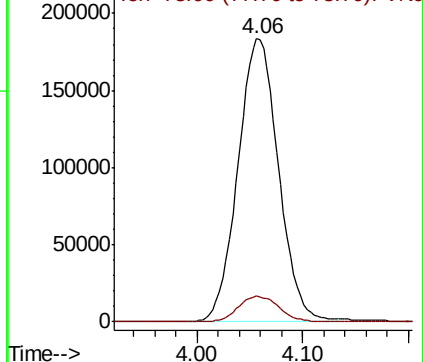
76 100

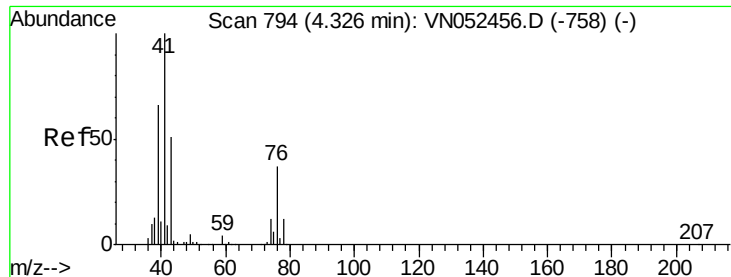
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

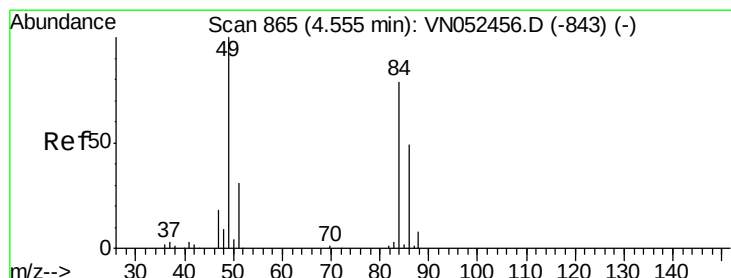
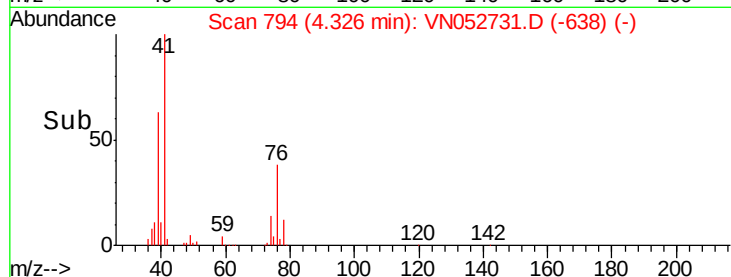
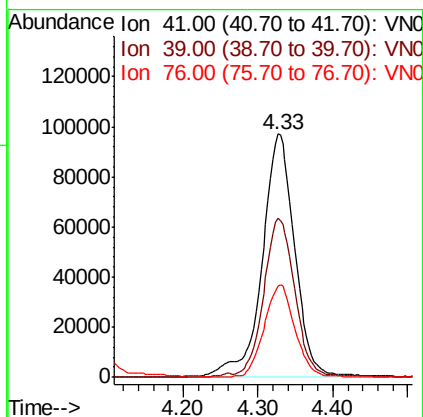
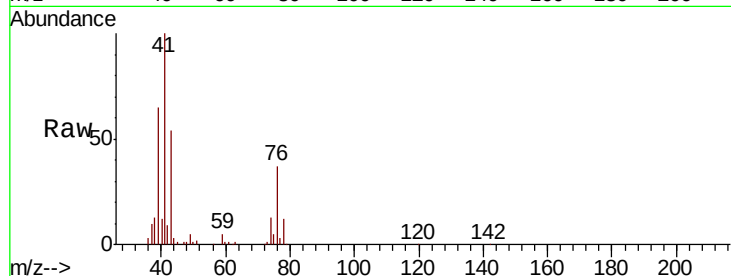




#17
Allvl chloride
Concen: 20.097 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

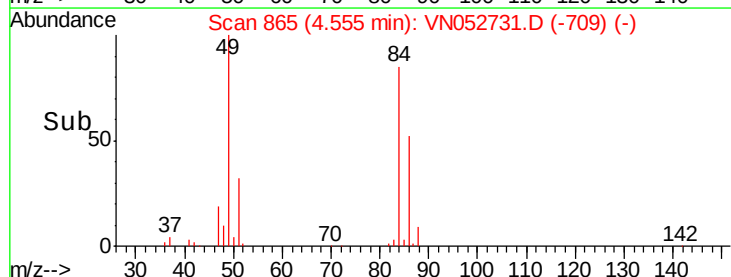
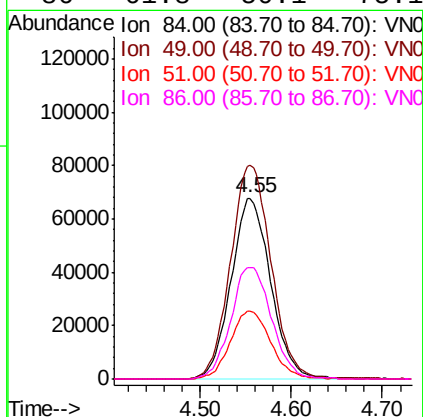
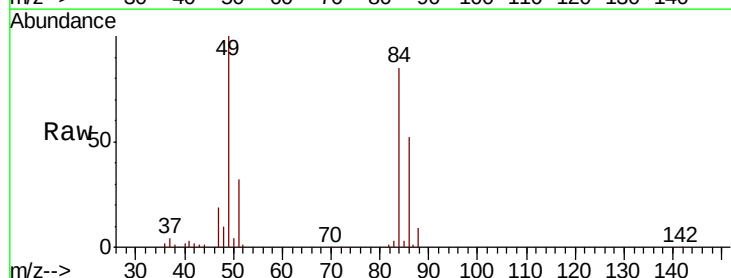
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

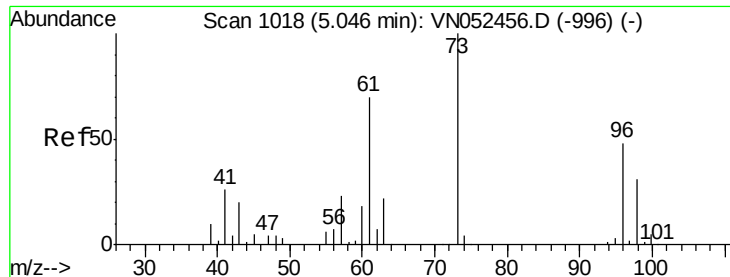
Tot Ion: 41 Resp: 293203
Ion Ratio Lower Upper
41 100
39 65.3 32.8 98.3
76 36.7 18.6 55.8



#18
Methylene Chloride
Concen: 21.164 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 84 Resp: 204996
Ion Ratio Lower Upper
84 100
49 117.7 101.4 152.0
51 37.2 31.7 47.5
86 61.8 50.1 75.1

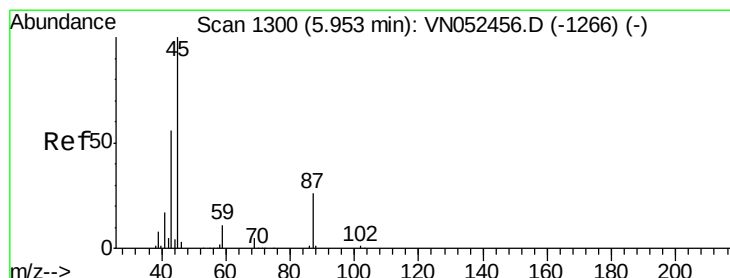
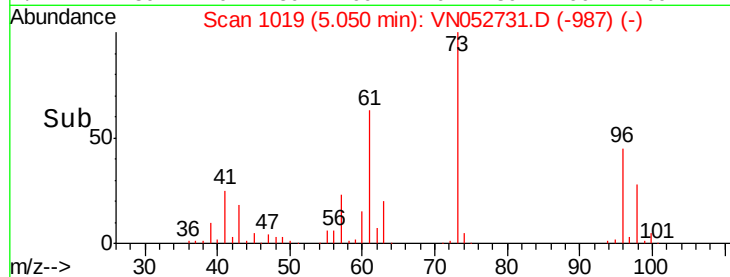
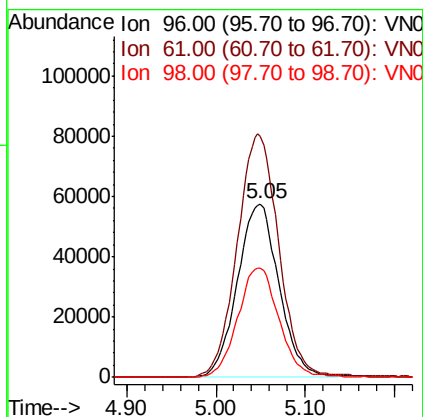
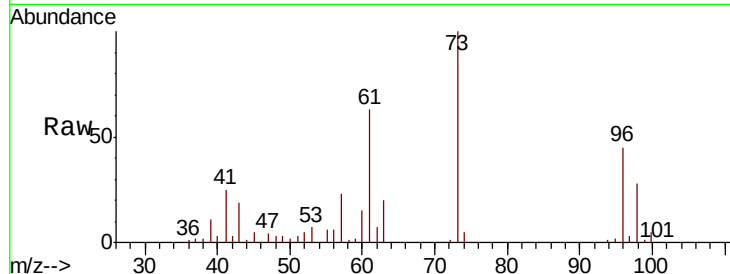




#19
trans-1,2-Dichloroethene
Concen: 20.643 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

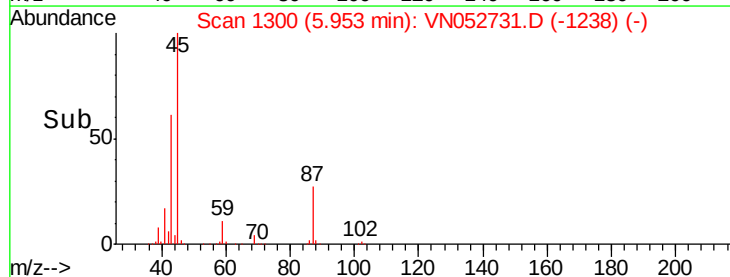
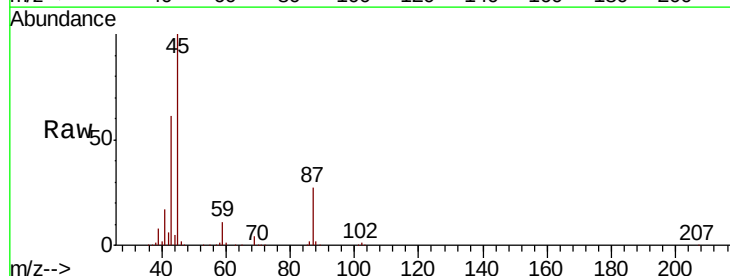
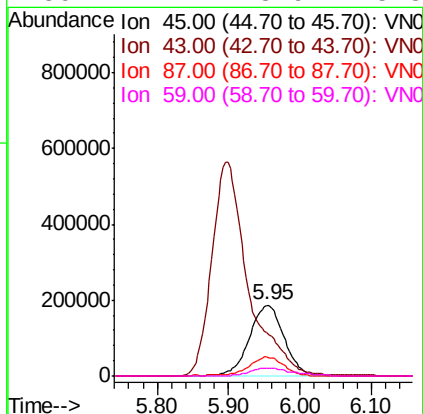
Instrument :
MSVOA_N
ClientSampled :
VN1207WBSD01

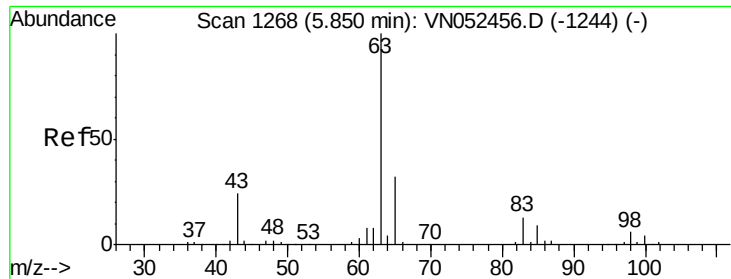
Tot Ion: 96 Resp: 185846
Ion Ratio Lower Upper
96 100
61 138.8 118.2 177.4
98 62.7 51.4 77.2



#20
Diisopropyl ether
Concen: 20.577 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 45 Resp: 630889
Ion Ratio Lower Upper
45 100
43 58.8 47.8 71.8
87 26.6 21.3 31.9
59 11.1 8.9 13.3

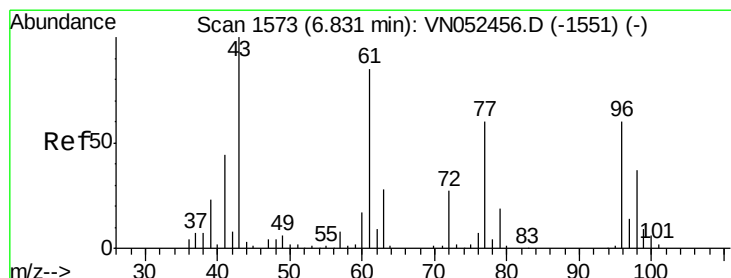
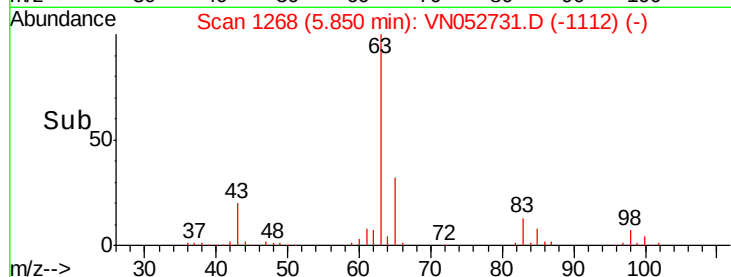
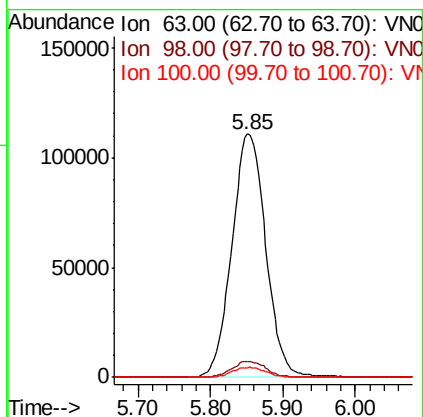
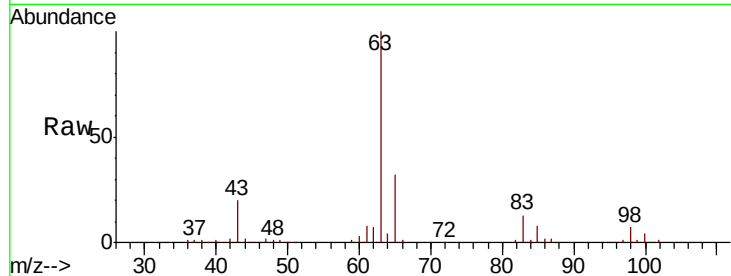




#21
 1,1-Dichloroethane
 Concen: 20.638 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

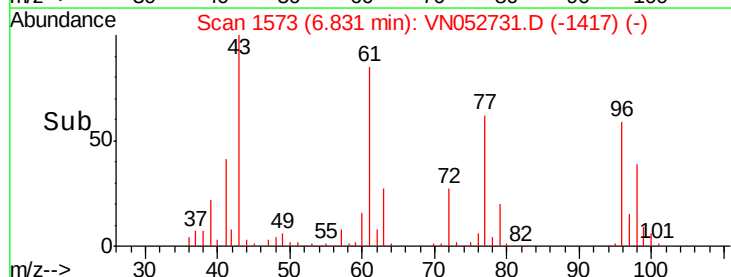
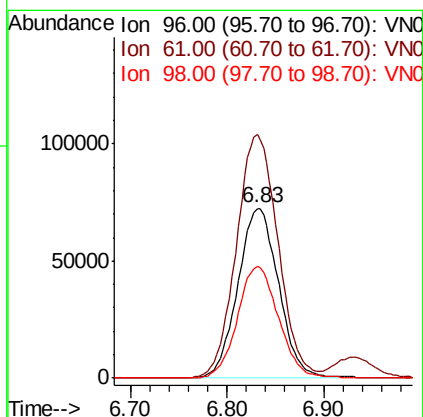
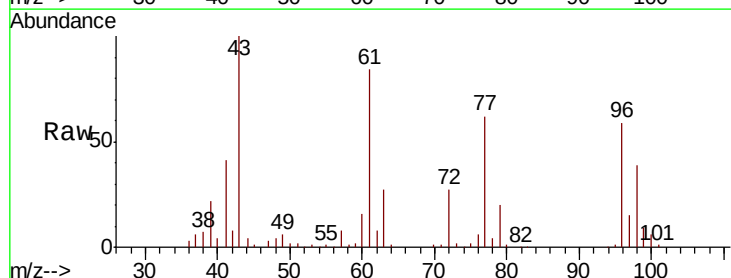
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

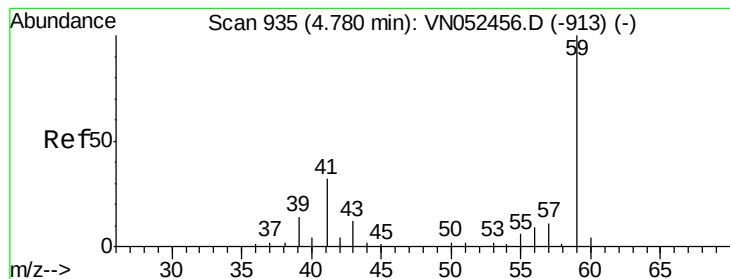
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.0	9.2
100	4.0	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.590 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.5	116.7	175.1
98	66.3	50.8	76.2





#23

tert-Butyl Alcohol

Concen: 122.803 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

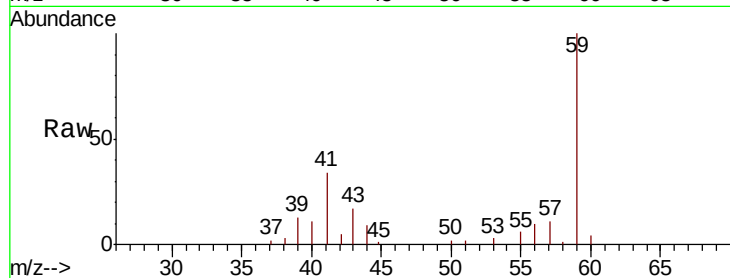
VN1207WBSD01

Tot Ion: 59 Resp: 55327

Ion Ratio Lower Upper

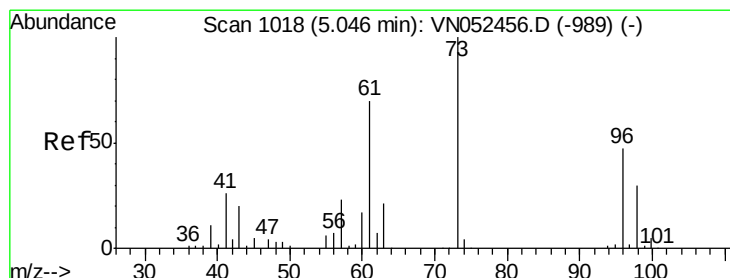
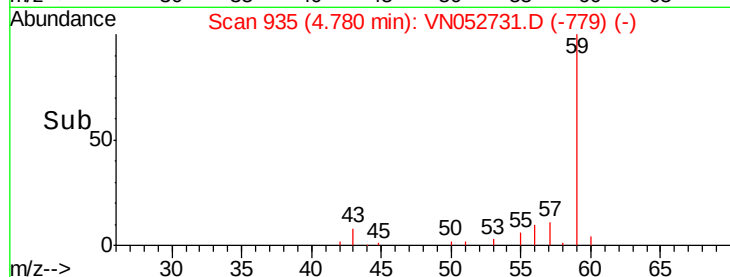
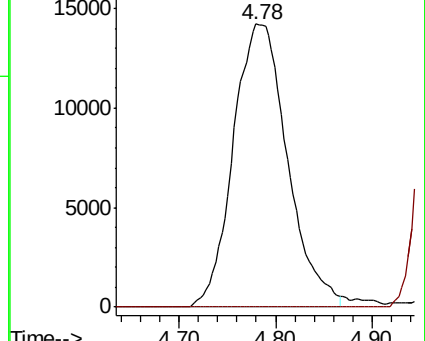
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 21.446 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052731.D

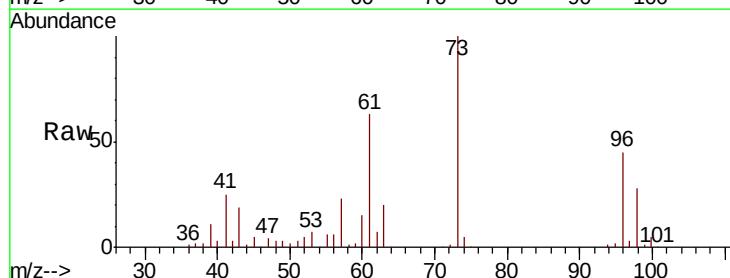
Acq: 7 Dec 2018 17:12

Tgt Ion: 73 Resp: 470662

Ion Ratio Lower Upper

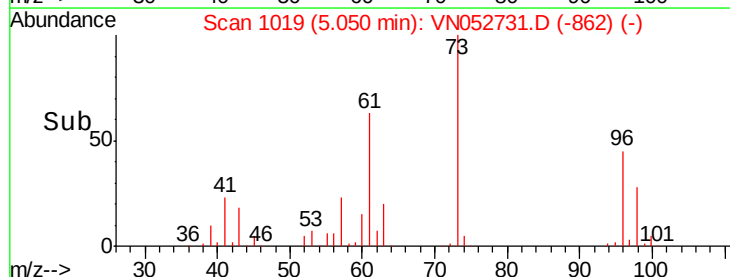
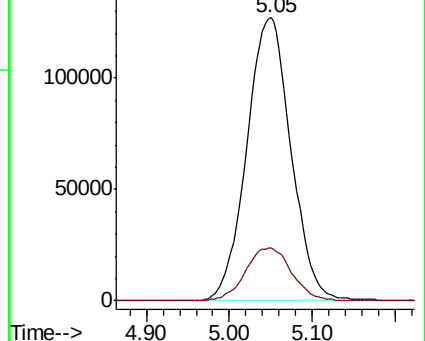
73 100

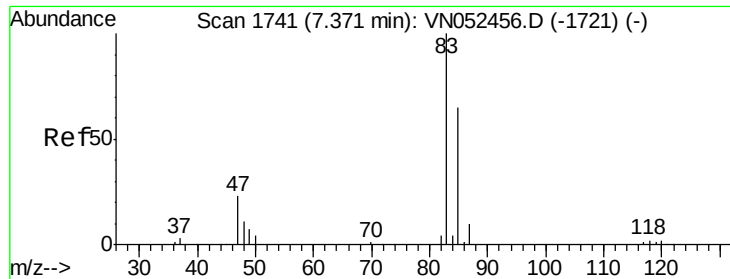
43 19.0 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

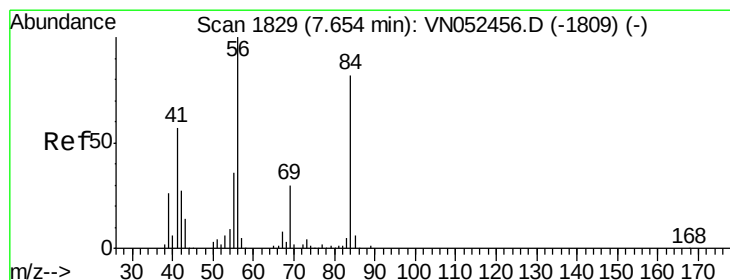
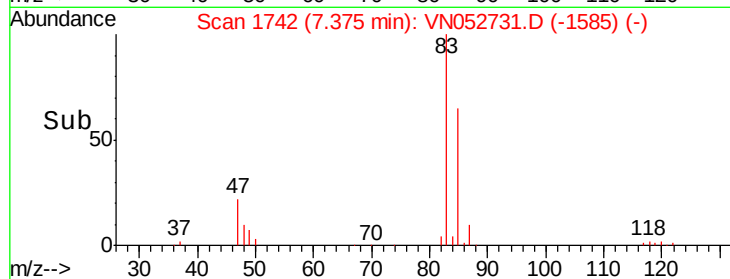
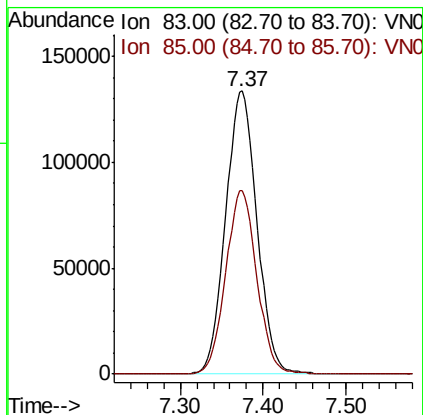
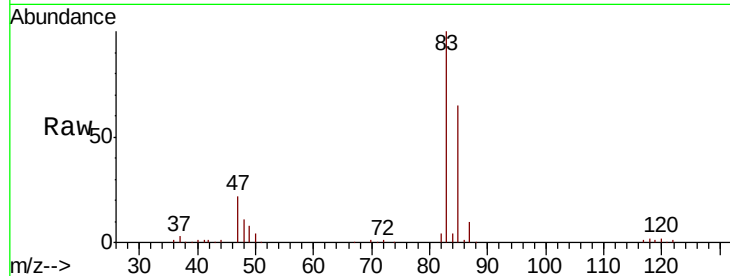




#25
Chloroform
Concen: 20.875 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

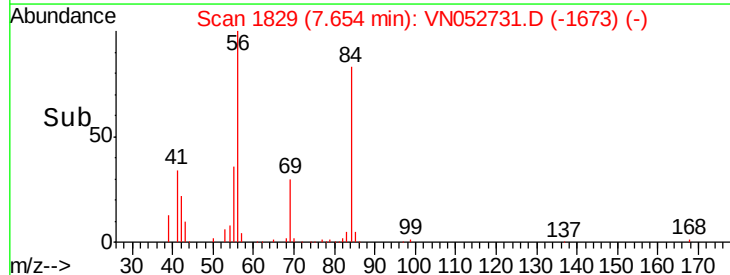
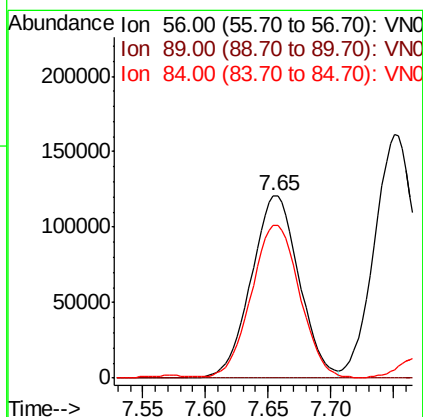
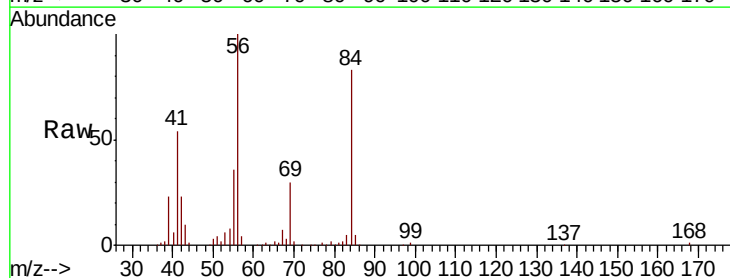
Instrument :
MSVOA_N
ClientSampled :
VN1207WBSD01

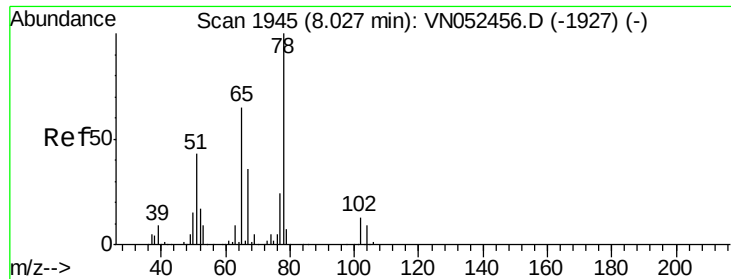
Tot Ion: 83 Resp: 351923
Ion Ratio Lower Upper
83 100
85 64.8 51.7 77.5



#26
Cyclohexane
Concen: 19.439 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 56 Resp: 320376
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 85.1 66.2 99.2

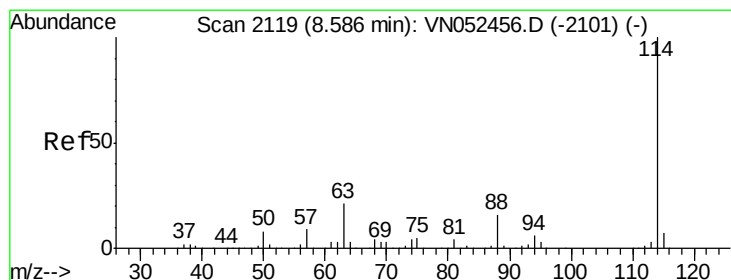
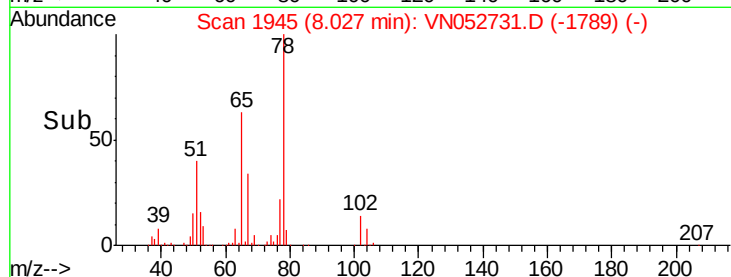
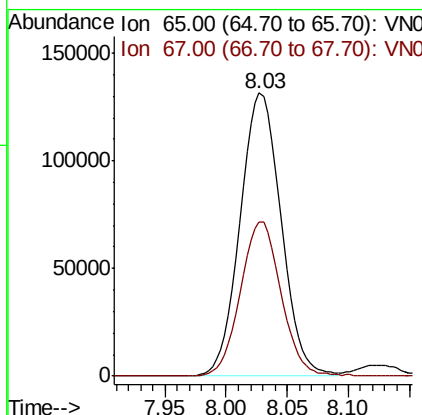
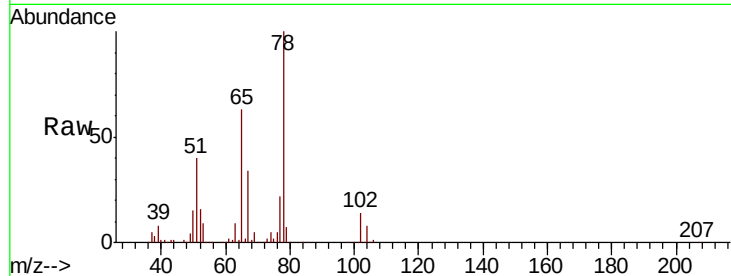




#27
 1,2-Dichloroethane-d4
 Concen: 19.439 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

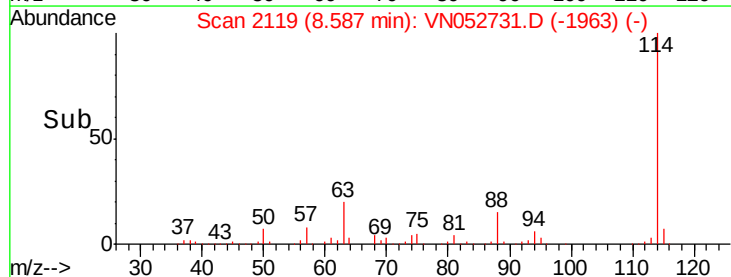
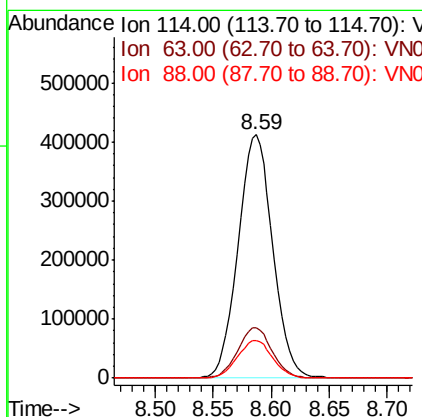
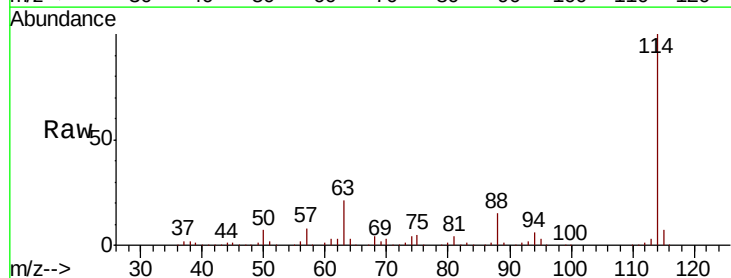
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

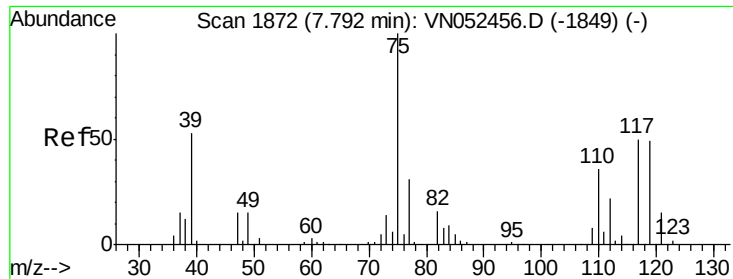
Tot Ion: 65 Resp: 306002
 Ion Ratio Lower Upper
 65 100
 67 53.8 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion: 114 Resp: 853170
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.9 25.3
 88 15.7 12.8 19.2

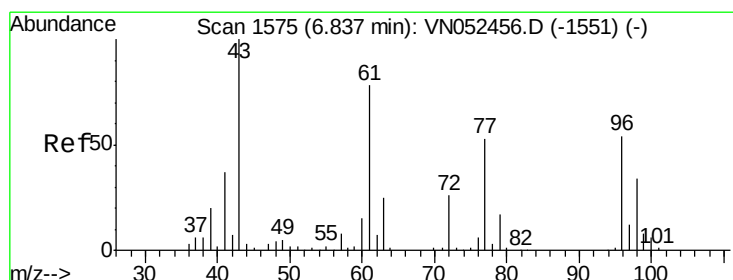
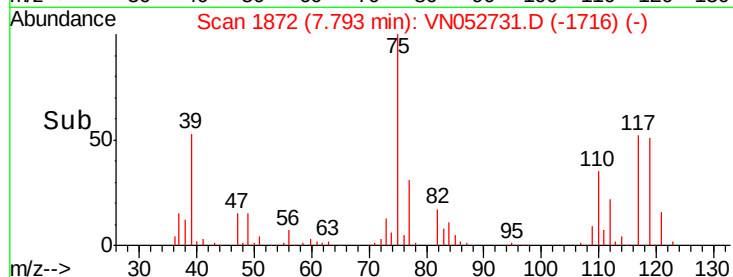
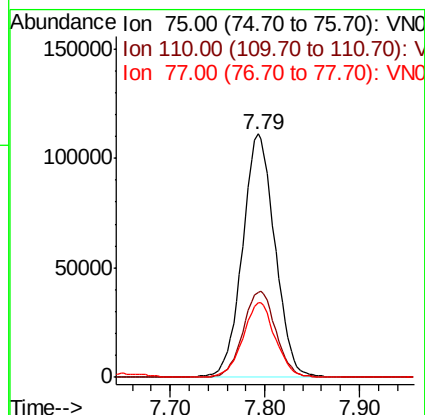
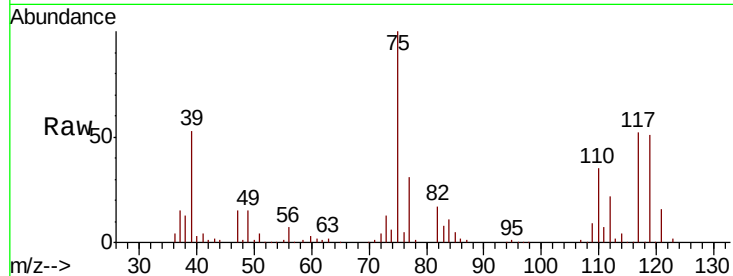




#29
 1,1-Dichloropropene
 Concen: 20.328 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

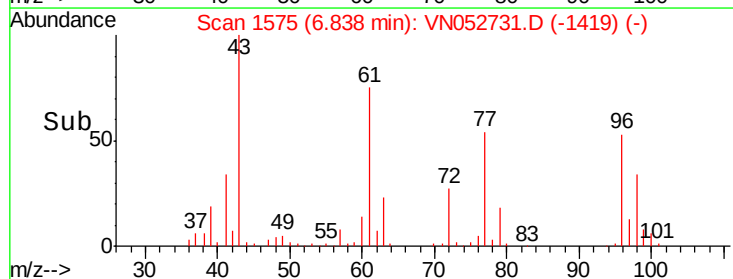
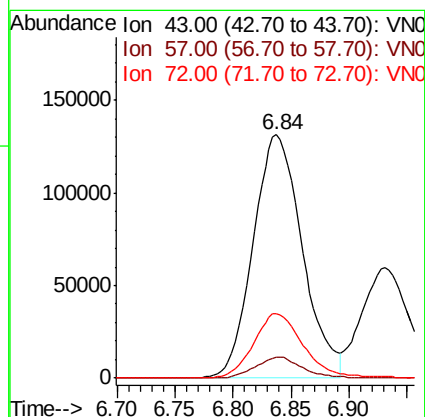
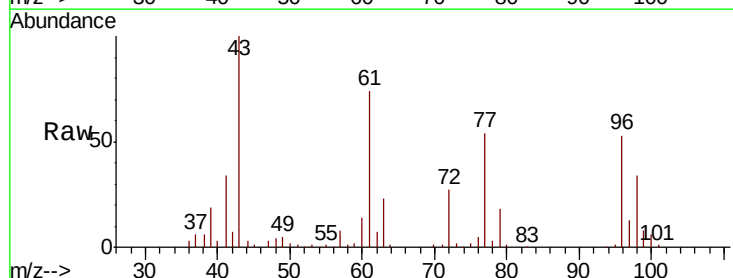
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1207WBSD01

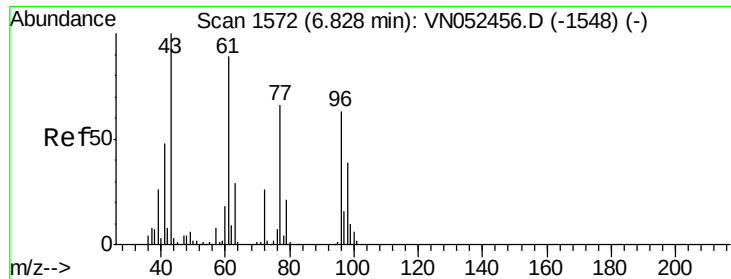
Tot Ion: 75 Resp: 264852
 Ion Ratio Lower Upper
 75 100
 110 35.7 0.0 70.2
 77 30.8 0.0 62.6



#30
 2-Butanone
 Concen: 110.769 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion: 43 Resp: 386174
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.2 9.4
 72 26.8 21.0 31.6

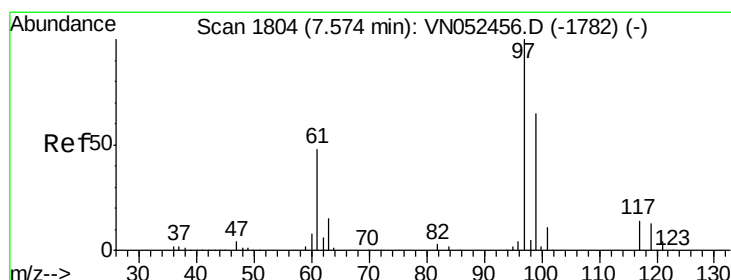
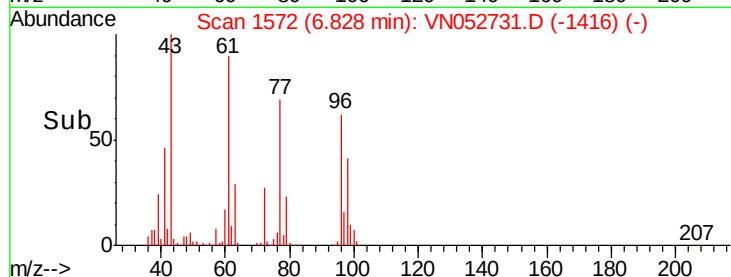
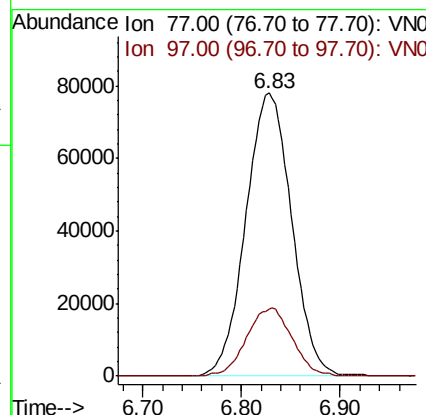
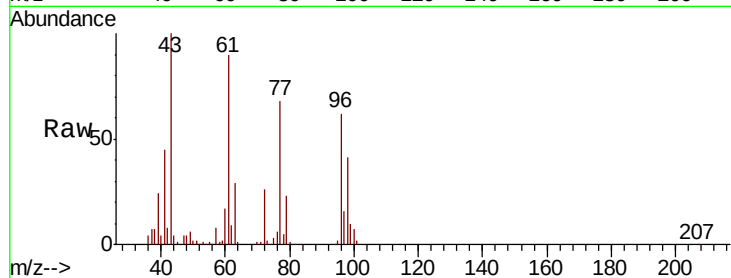




#31
 2,2-Dichloropropane
 Concen: 20.872 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

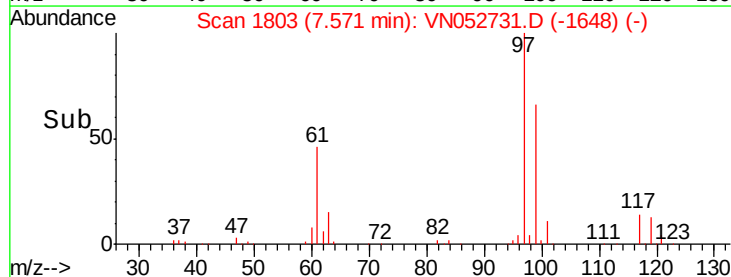
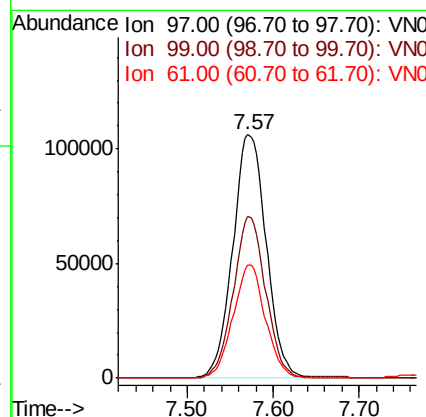
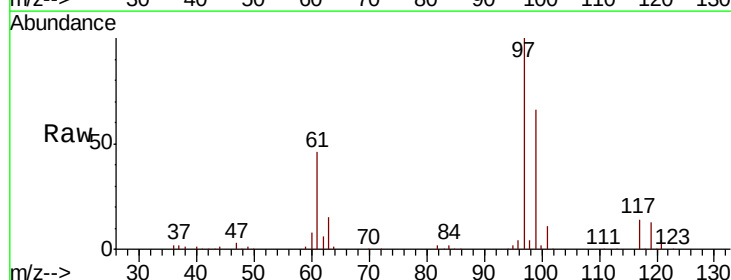
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

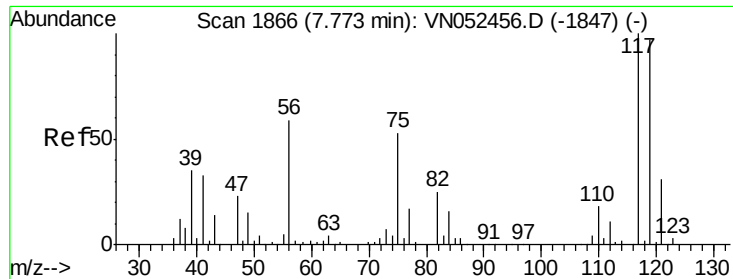
Tot Ion: 77 Resp: 250355
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 21.215 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion: 97 Resp: 287601
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.9 76.3
 61 44.7 38.1 57.1





#33

Carbon Tetrachloride

Concen: 21.046 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

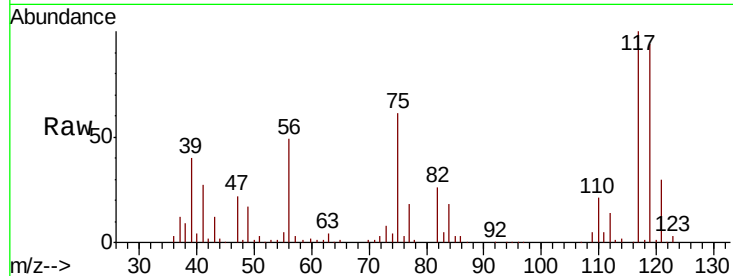
Tot Ion:117 Resp: 249649

Ion Ratio Lower Upper

117 100

119 94.0 77.3 115.9

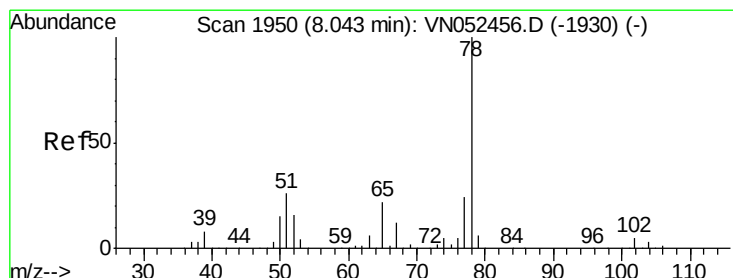
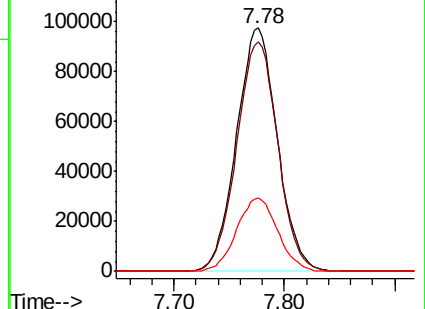
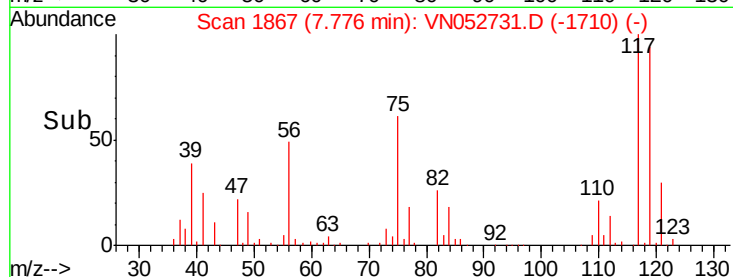
121 29.9 24.9 37.3



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: 20.971 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

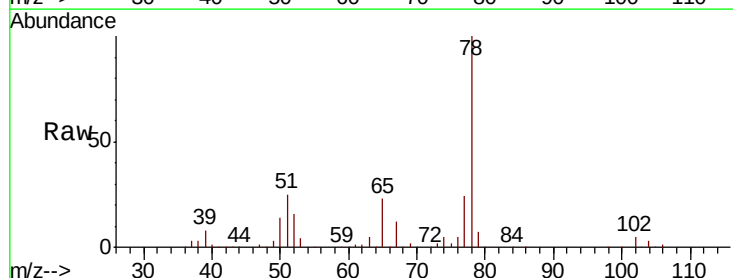
Tgt Ion: 78 Resp: 821461

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6

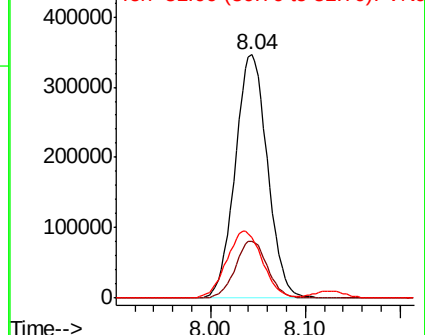
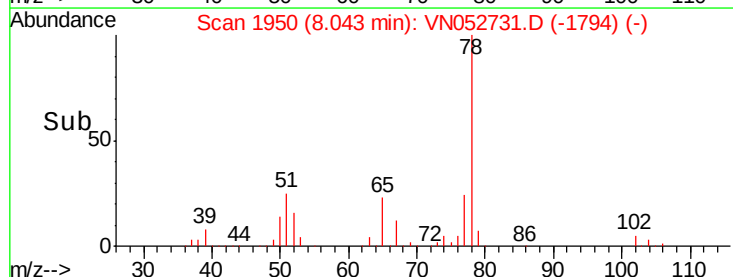
51 25.0 20.5 30.7

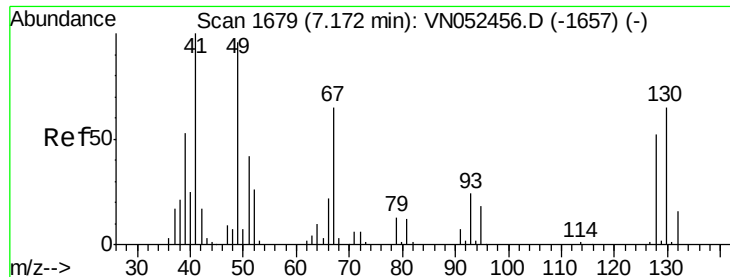


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

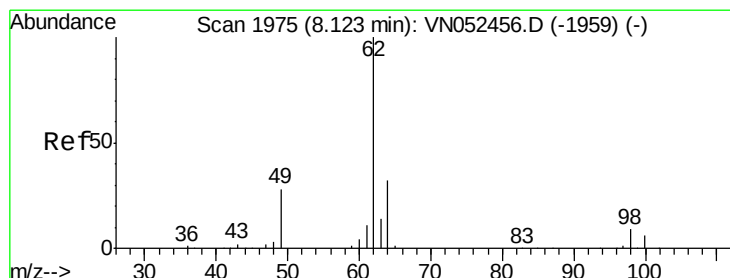
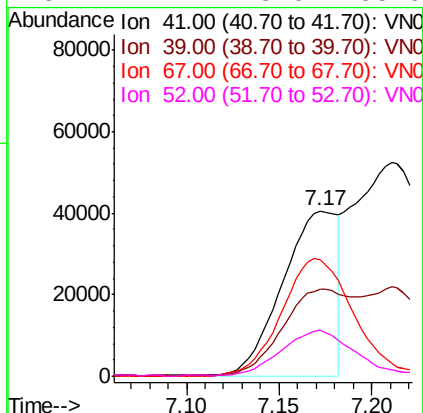
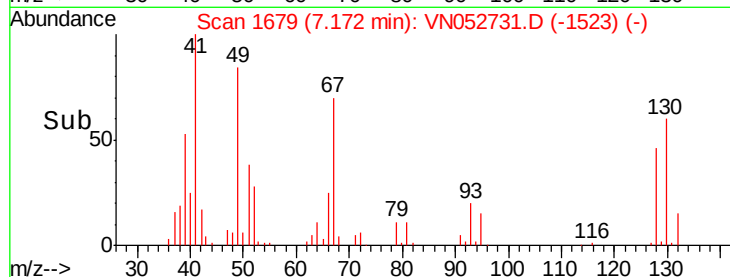
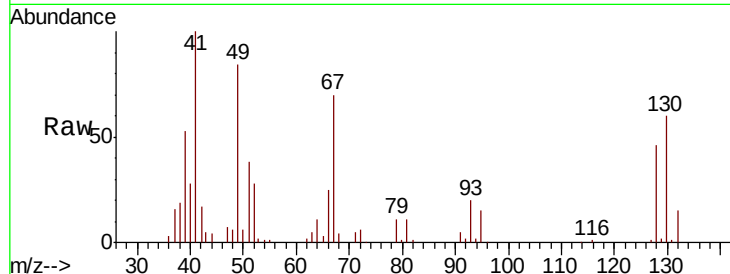




#35
Methacrylonitrile
Concen: 19.226 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

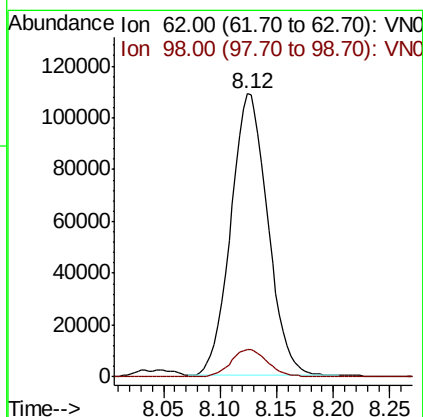
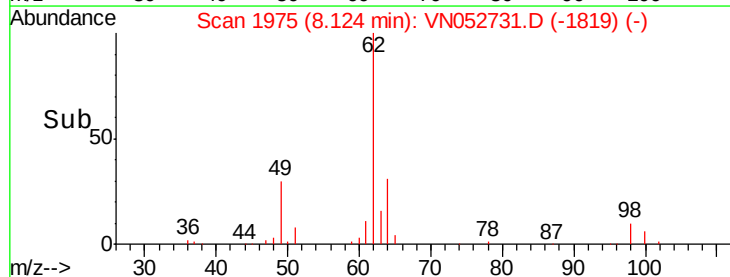
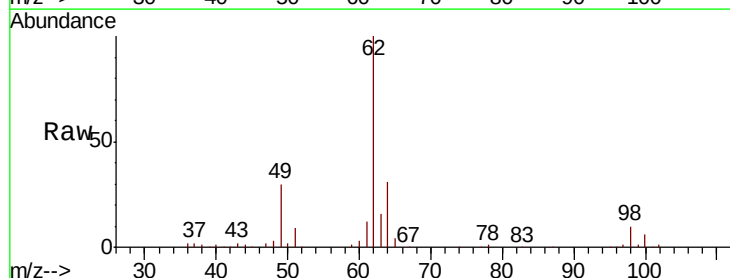
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

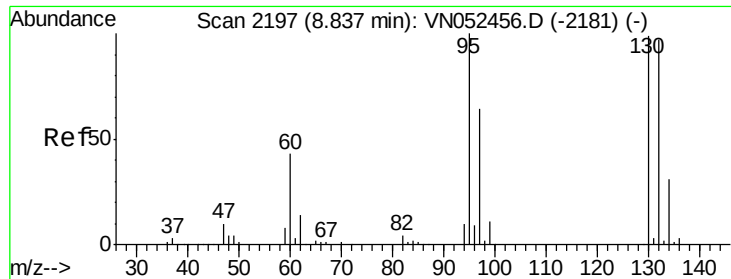
Tot Ion: 41 Resp: 83159
Ion Ratio Lower Upper
41 100
39 52.3 26.6 79.7
67 70.7 32.3 96.9
52 27.4 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.808 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 62 Resp: 246990
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.2





#37

Trichloroethene

Concen: 20.668 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

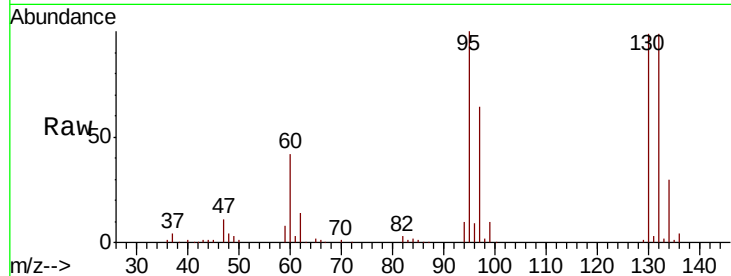
VN1207WBSD01

Tot Ion:130 Resp: 205291

Ion Ratio Lower Upper

130 100

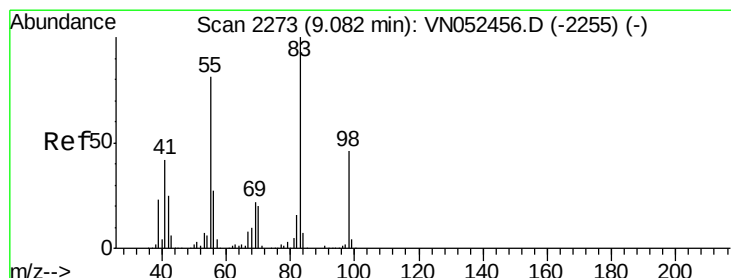
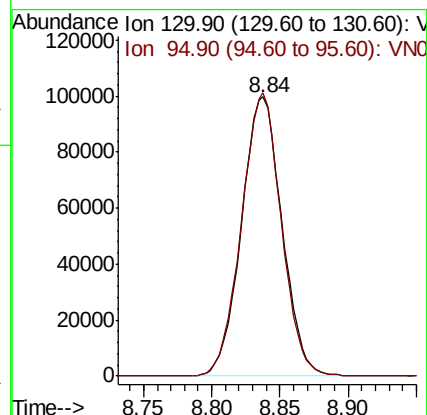
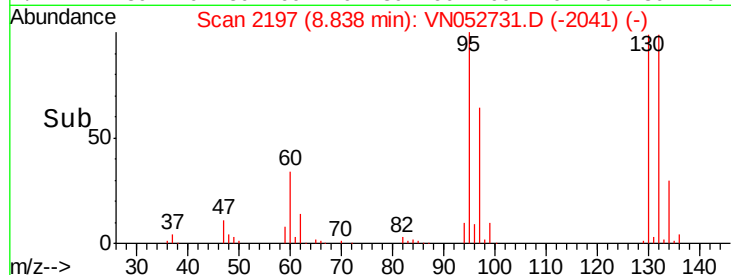
95 101.3 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84



#38

Methylcyclohexane

Concen: 20.058 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

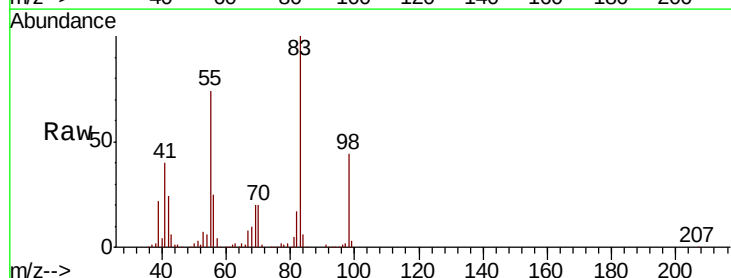
Tgt Ion: 83 Resp: 323496

Ion Ratio Lower Upper

83 100

55 75.8 39.8 119.4

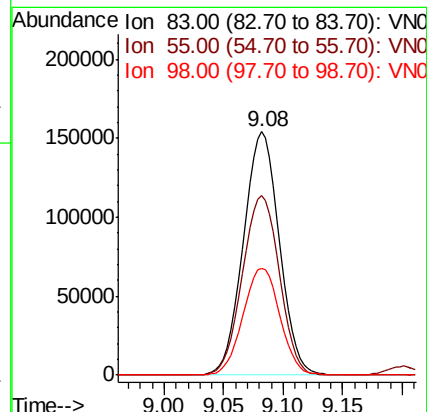
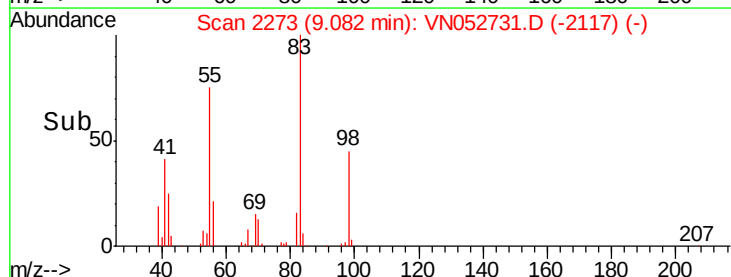
98 45.1 22.9 68.5

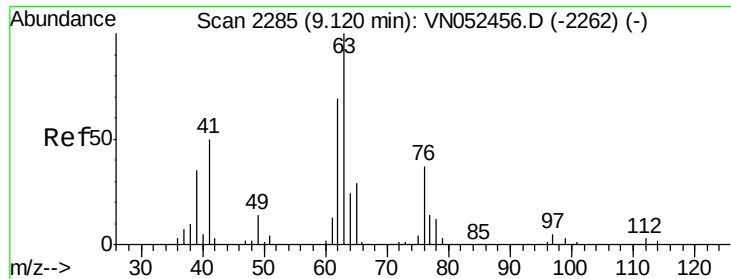


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

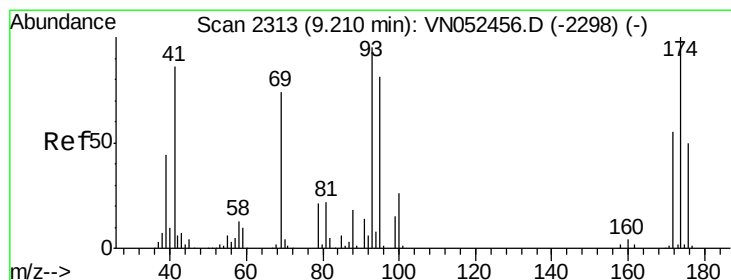
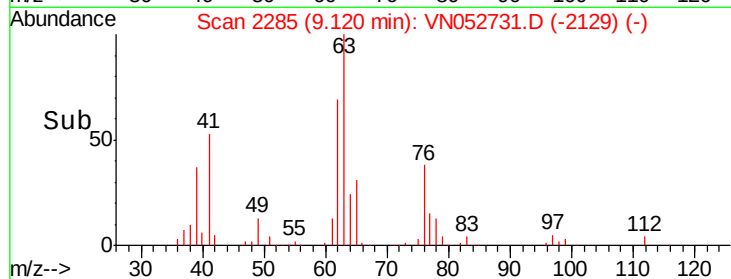
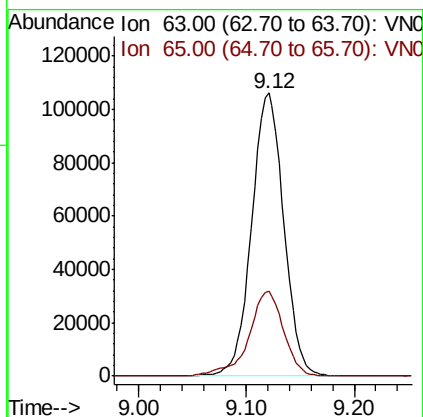
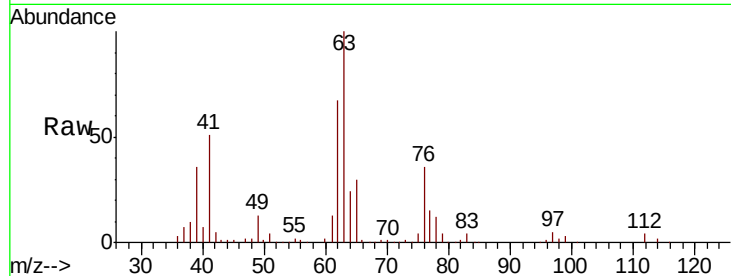




#39
 1,2-Dichloropropane
 Concen: 20.905 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

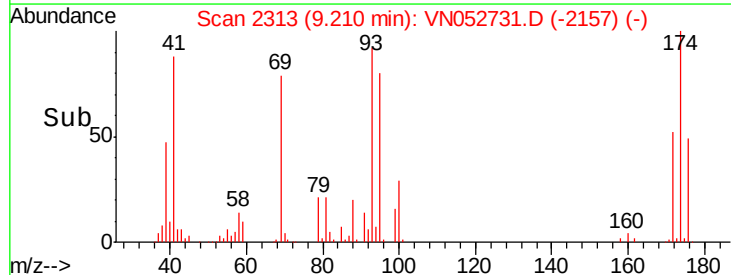
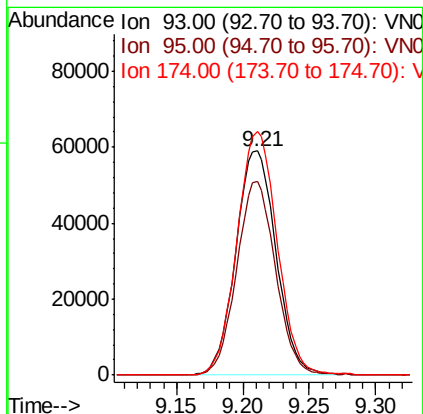
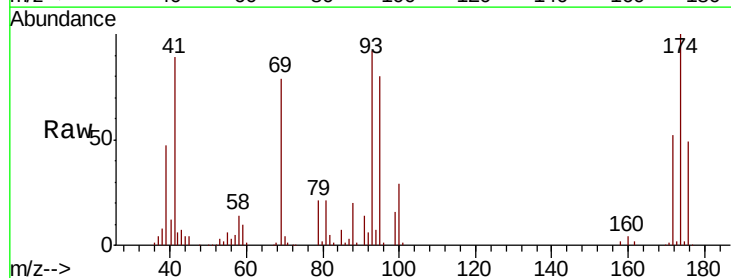
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

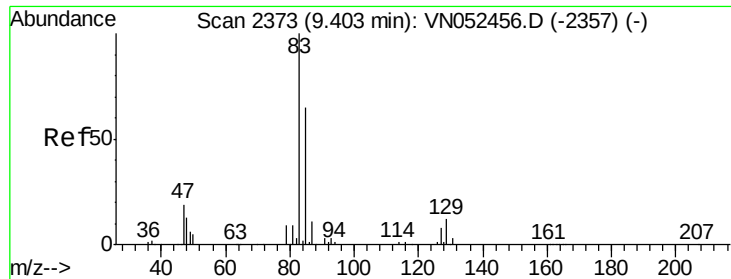
Tot Ion: 63 Resp: 219504
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.6 35.4



#40
 Dibromomethane
 Concen: 21.974 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion: 93 Resp: 124686
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 168.4
 174 108.7 0.0 210.0





#41

Bromodichloromethane

Concen: 20.839 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

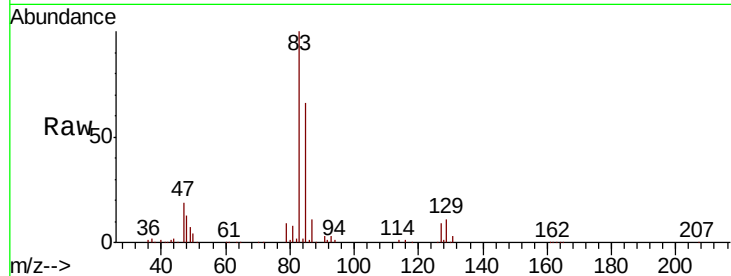
Tot Ion: 83 Resp: 261248

Ion Ratio Lower Upper

83 100

85 66.2 52.4 78.6

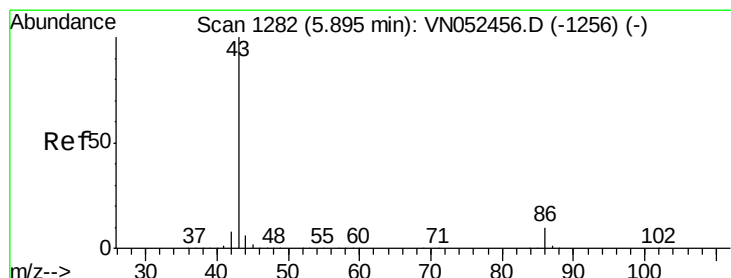
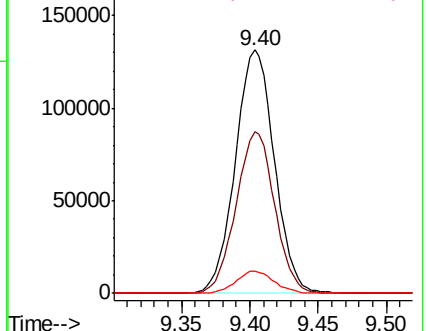
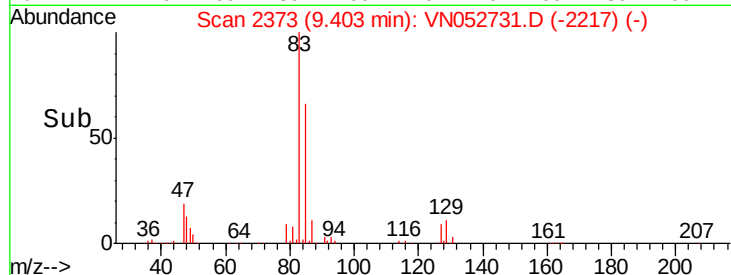
127 9.2 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052731.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052731.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052731.D (-2217) (-)



#42

Vinyl Acetate

Concen: 105.877 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052731.D

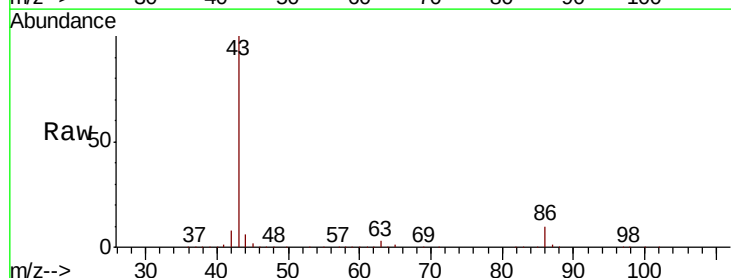
Acq: 7 Dec 2018 17:12

Tgt Ion: 43 Resp: 1997152

Ion Ratio Lower Upper

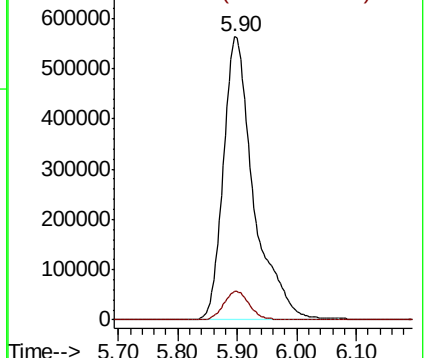
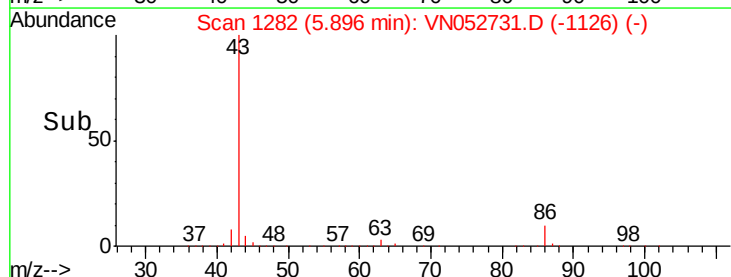
43 100

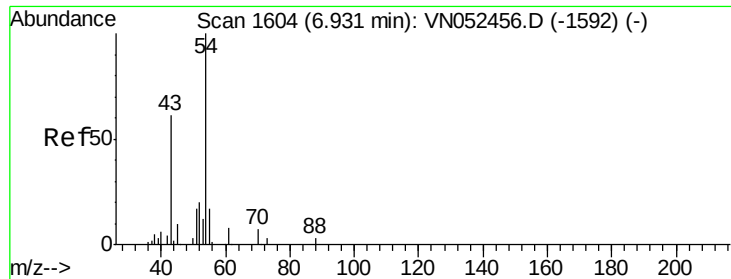
86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052731.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN052731.D (-1126) (-)

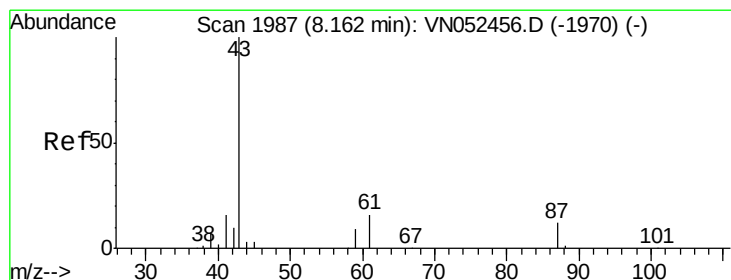
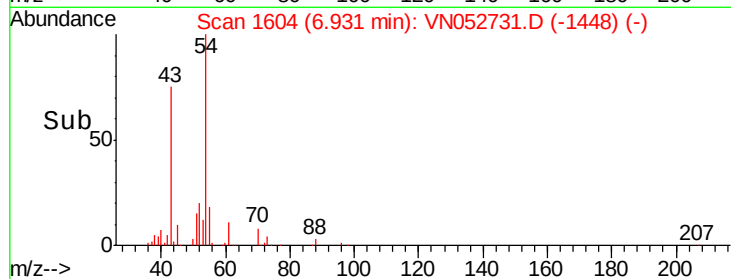
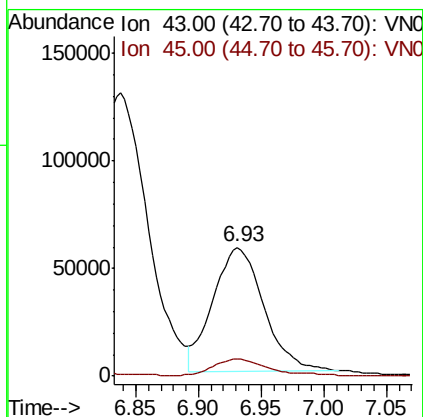
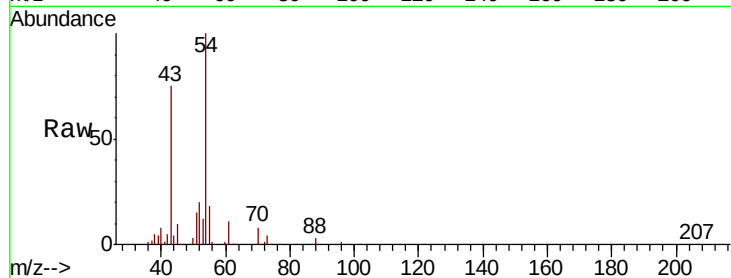




#43
Ethyl Acetate
Concen: 21.975 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

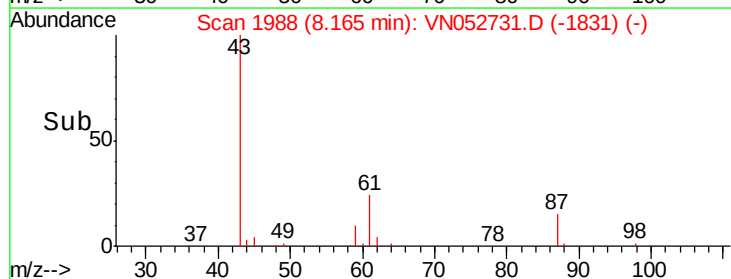
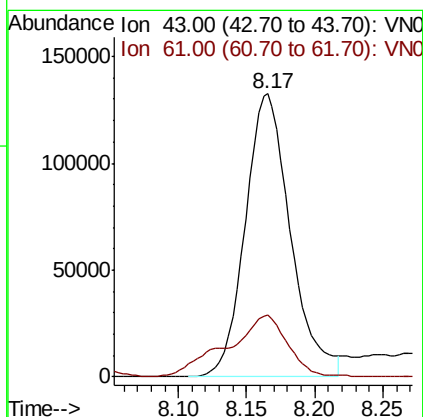
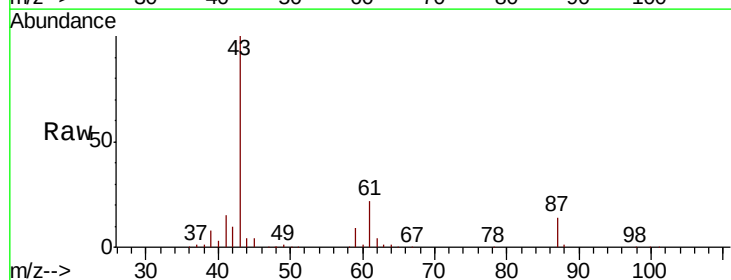
Instrument :
MSVOA_N
ClientSampleID :
VN1207WBSD01

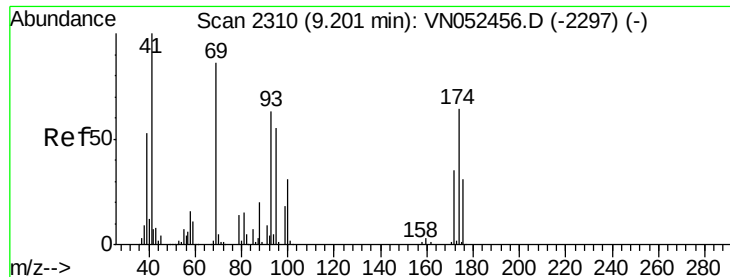
Tot Ion: 43 Resp: 162909
Ion Ratio Lower Upper
43 100
45 14.3 1.0 1.6#



#44
Isopropyl Acetate
Concen: 23.322 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 43 Resp: 303220
Ion Ratio Lower Upper
43 100
61 18.8 16.0 24.0

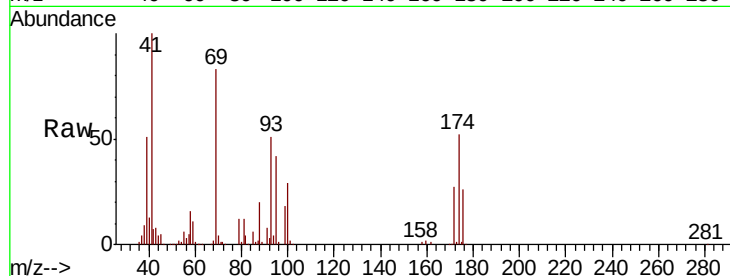




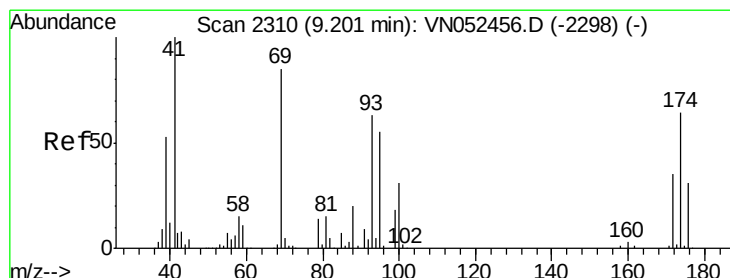
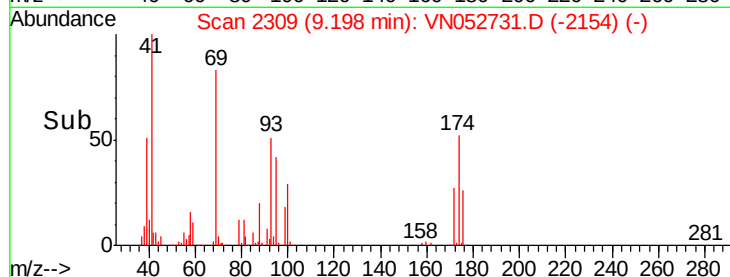
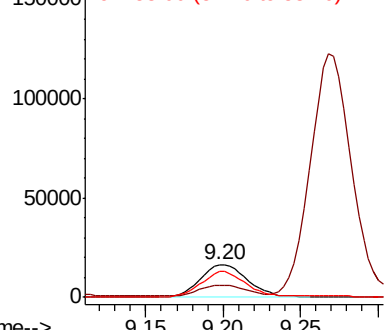
#45
1,4-Dioxane
Concen: 496.810 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion: 88 Resp: 35336
Ion Ratio Lower Upper
88 100
43 31.0 29.5 44.3
58 74.5 61.5 92.3

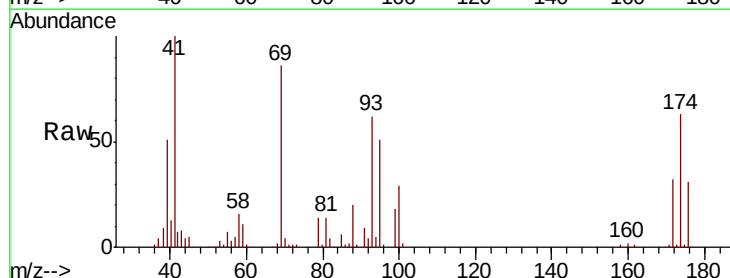


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

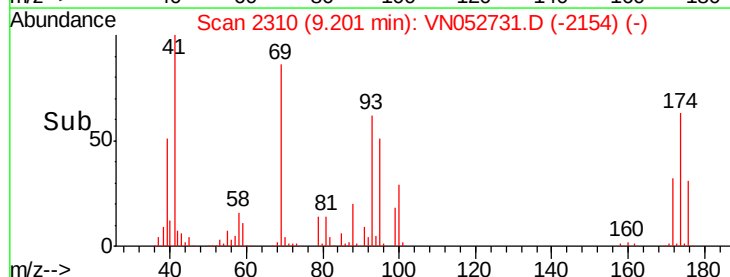
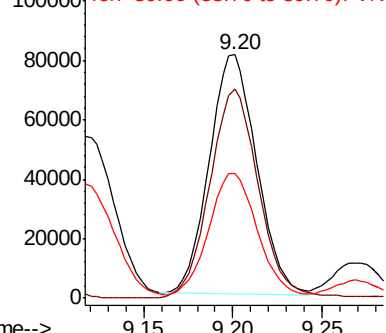


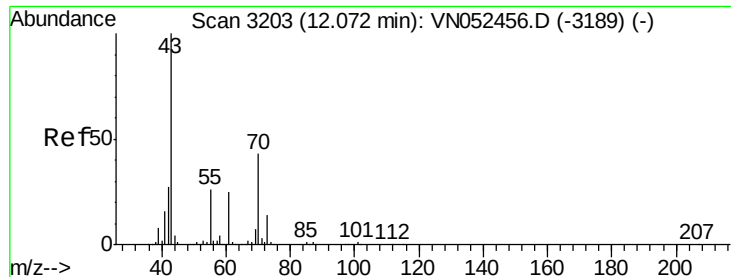
#46
Methyl methacrylate
Concen: 22.154 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 41 Resp: 149552
Ion Ratio Lower Upper
41 100
69 87.4 42.5 127.6
39 50.6 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: 21.705 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

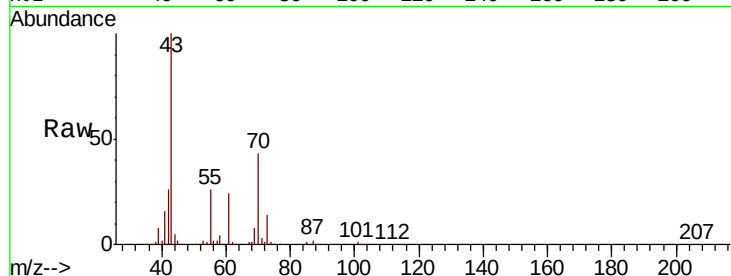
VN1207WBSD01

Tot Ion: 43 Resp: 233972

Ion Ratio Lower Upper

43 100

55 26.1 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

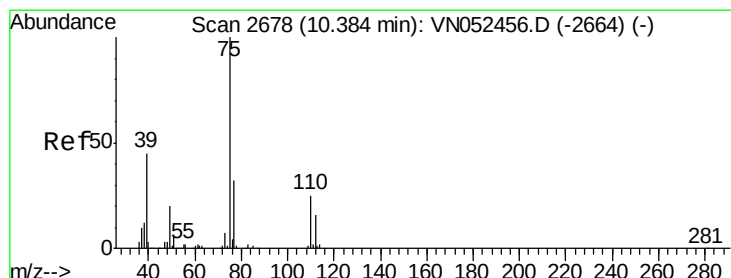
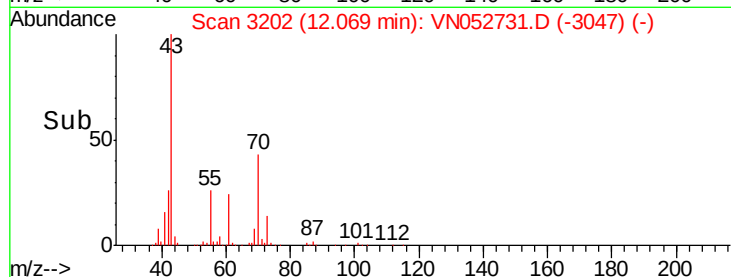
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 20.893 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052731.D

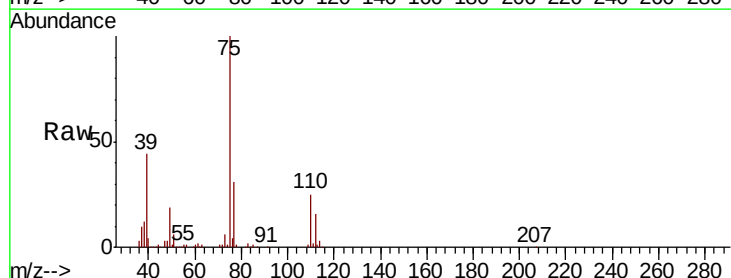
Acq: 7 Dec 2018 17:12

Tgt Ion: 75 Resp: 253972

Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

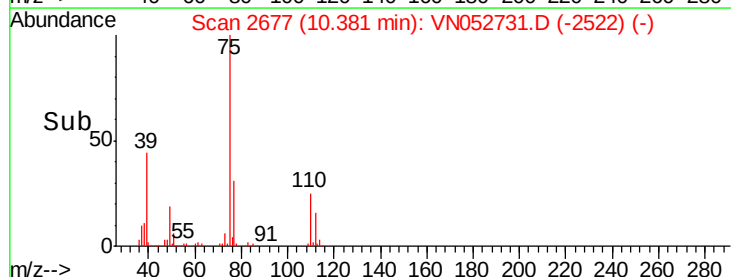
150000

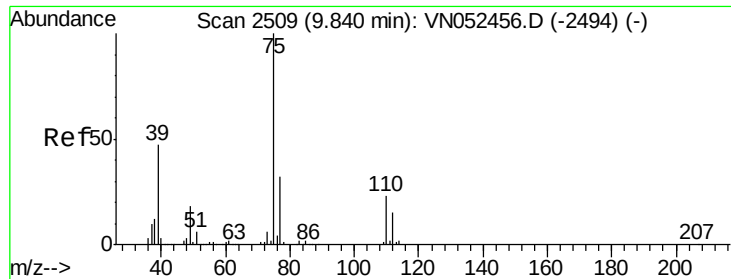
100000

50000

0

Time-->



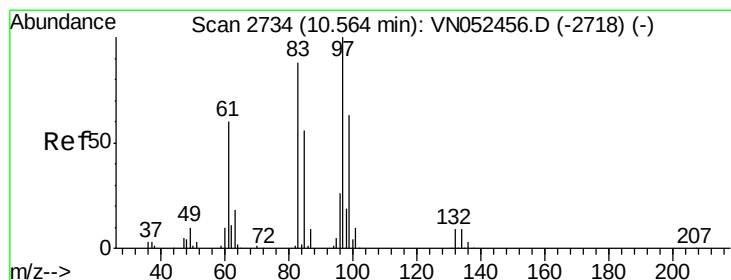
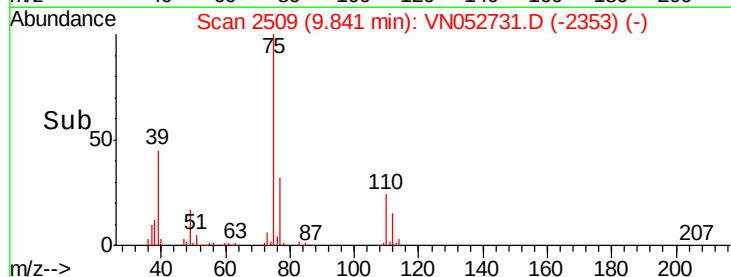
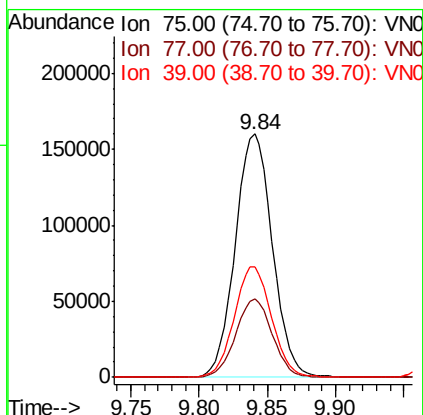
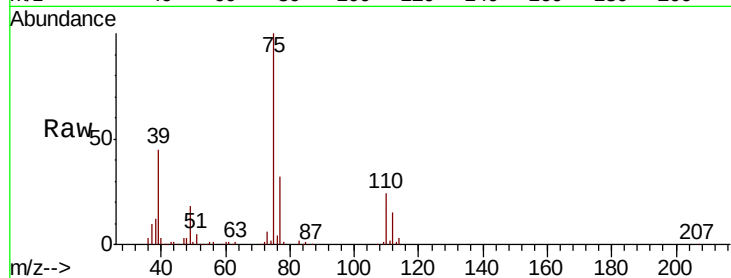


#49

cis-1,3-Dichloropropene
 Concen: 20.466 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

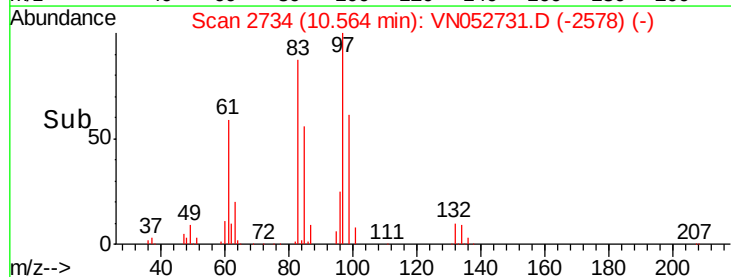
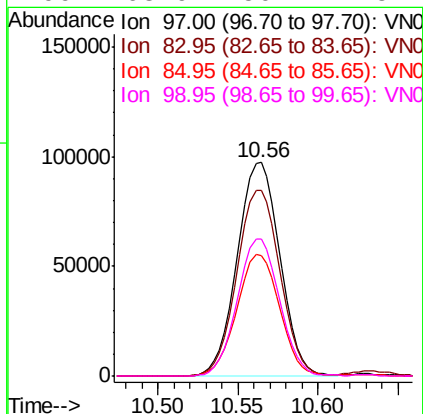
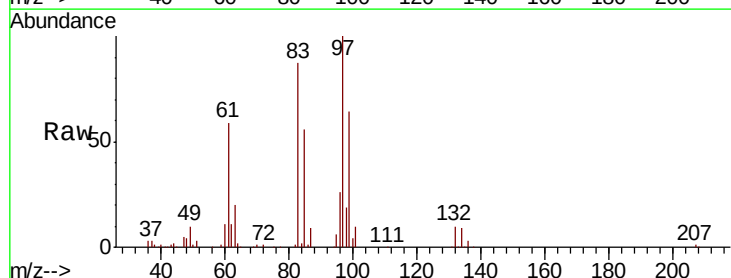
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	45.2	37.3	55.9

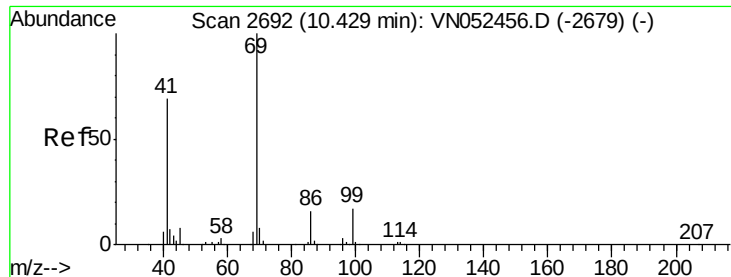


#50

1,1,2-Trichloroethane
 Concen: 22.041 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.4	105.6
85	56.5	45.0	67.6
99	63.9	50.2	75.2

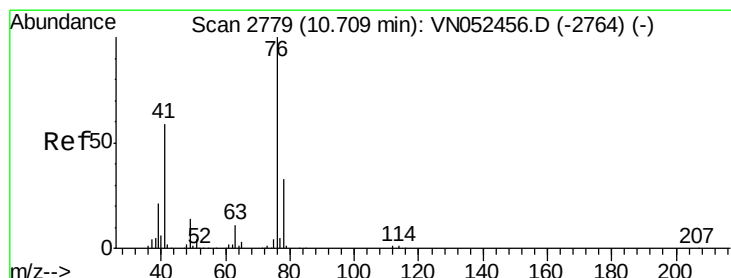
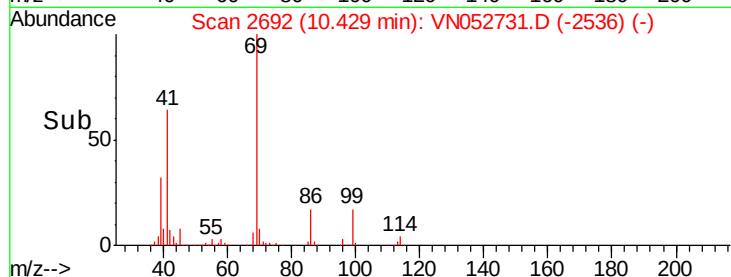
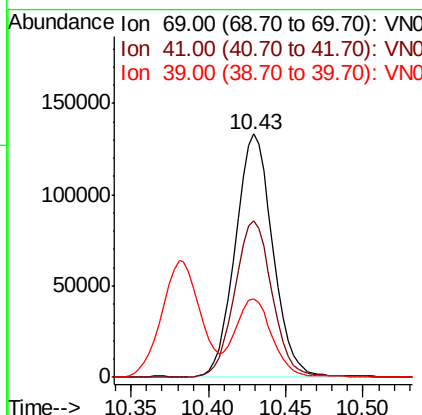
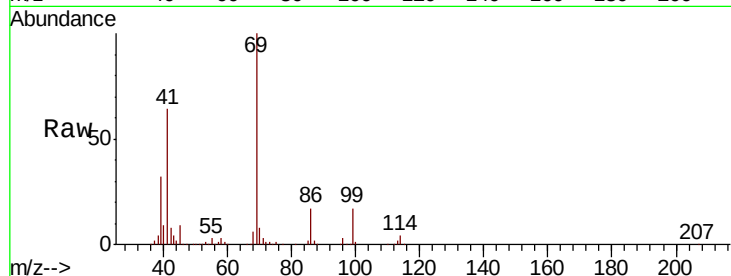




#51
Ethyl methacrylate
Concen: 22.263 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

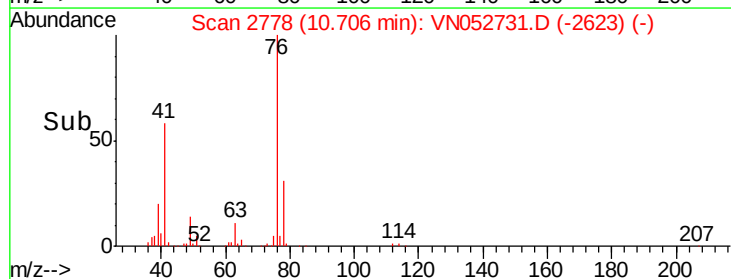
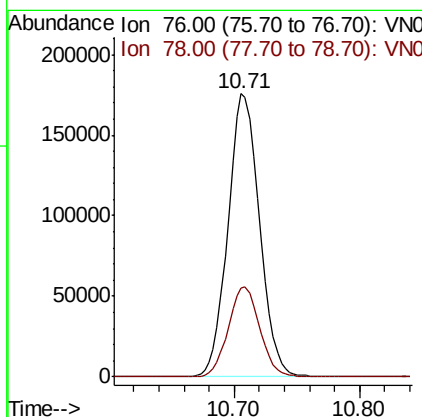
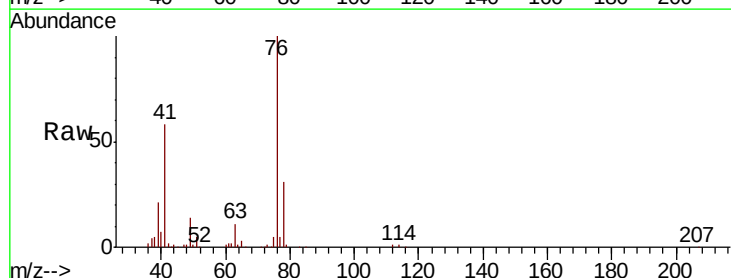
Instrument :
MSVOA_N
ClientSampled :
VN1207WBSD01

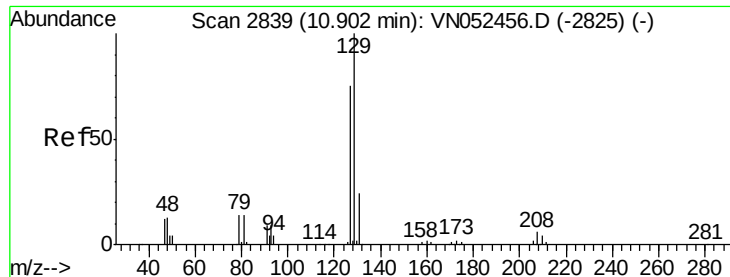
Tot Ion: 69 Resp: 224899
Ion Ratio Lower Upper
69 100
41 64.0 34.4 103.3
39 31.9 16.4 49.2



#52
1,3-Dichloropropane
Concen: 21.448 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 76 Resp: 307061
Ion Ratio Lower Upper
76 100
78 31.6 0.0 64.8





#53

Dibromochloromethane

Concen: 21.548 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

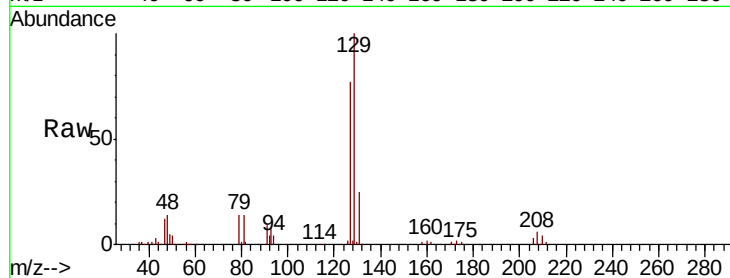
VN1207WBSD01

Tot Ion:129 Resp: 190817

Ion Ratio Lower Upper

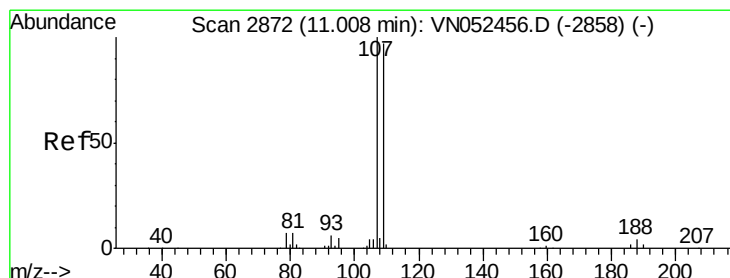
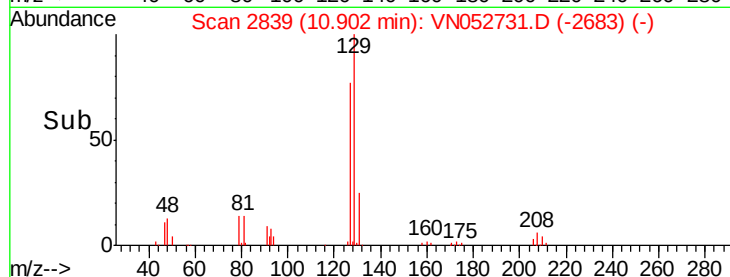
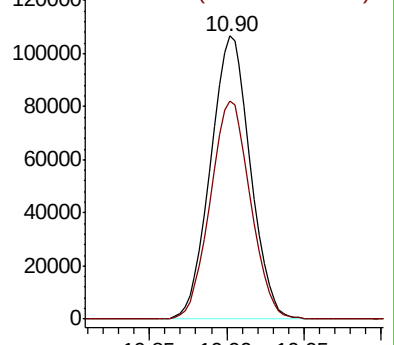
129 100

127 77.7 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: 22.020 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052731.D

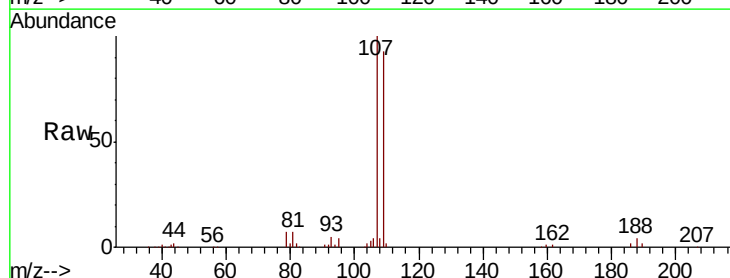
Acq: 7 Dec 2018 17:12

Tgt Ion:107 Resp: 173071

Ion Ratio Lower Upper

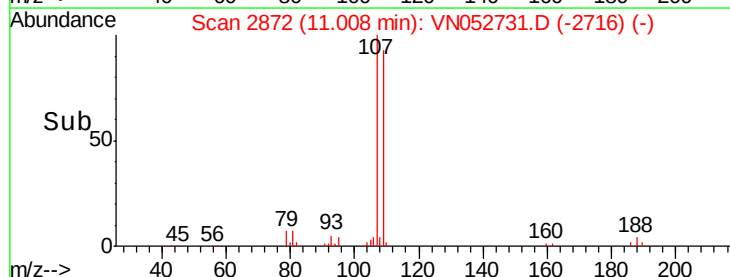
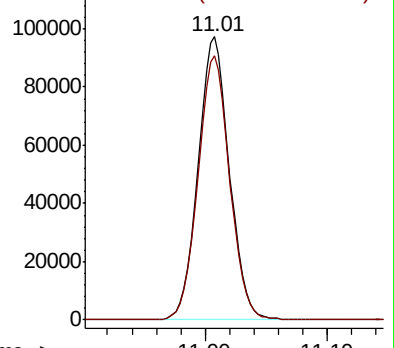
107 100

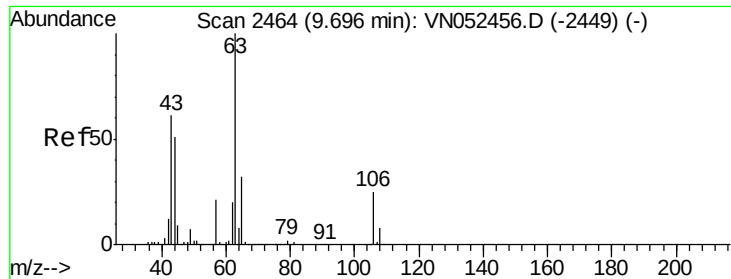
109 94.5 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



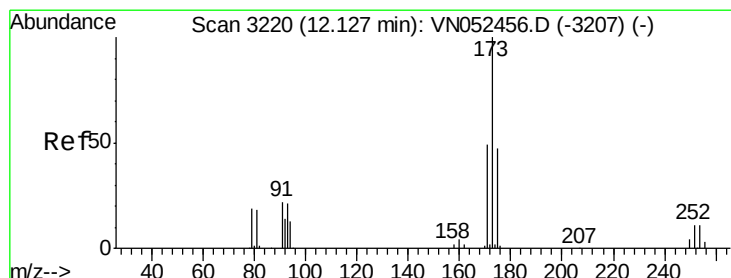
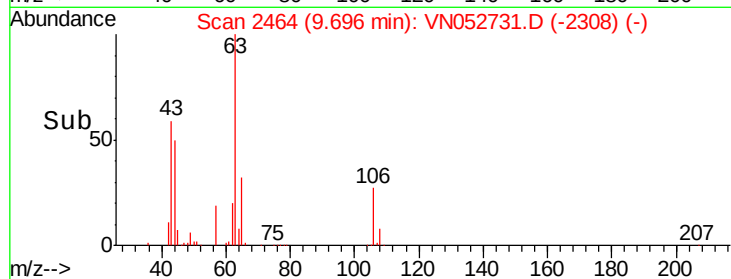
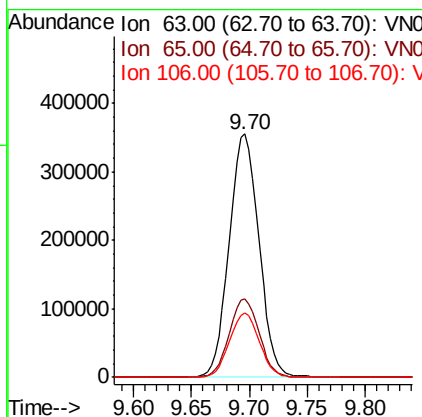
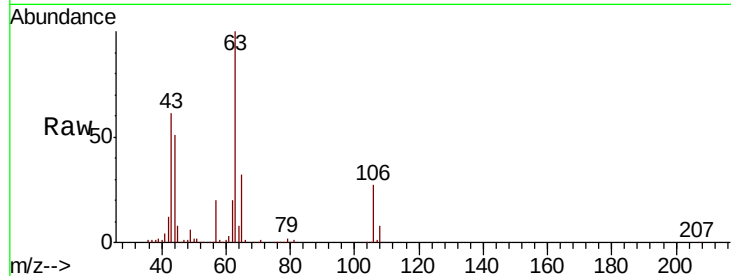


#55
 2-Chloroethyl vinyl ether
 Concen: 106.708 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion: 63 Resp: 630983

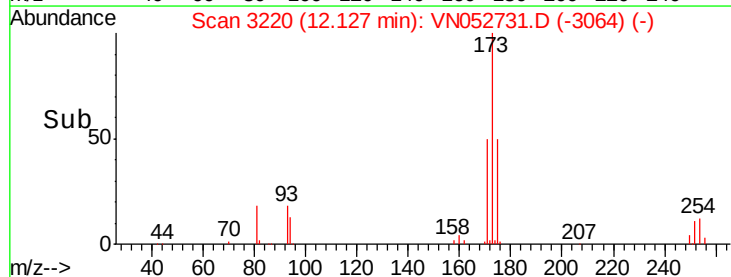
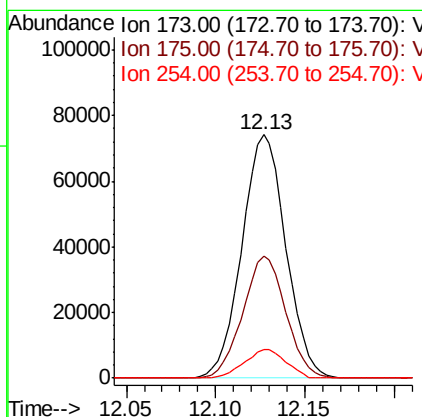
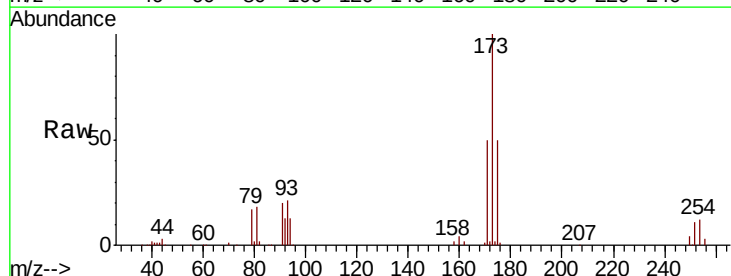
Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	26.5	20.4	30.6

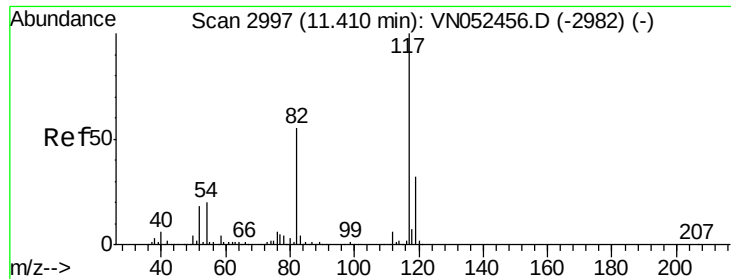


#56
 Bromoform
 Concen: 21.970 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion: 173 Resp: 127166

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.7	58.1
254	11.2	8.4	12.6

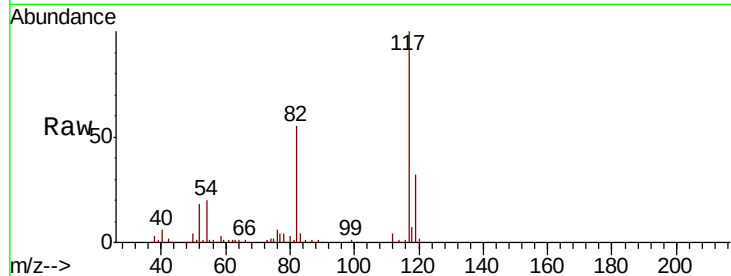




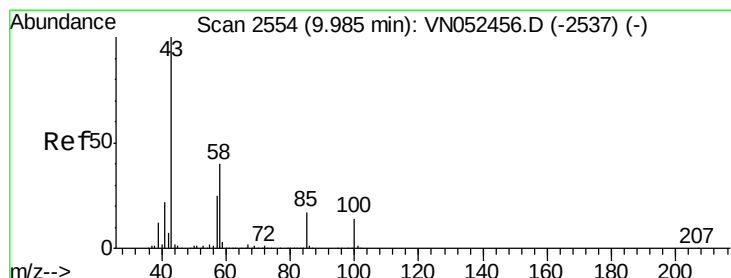
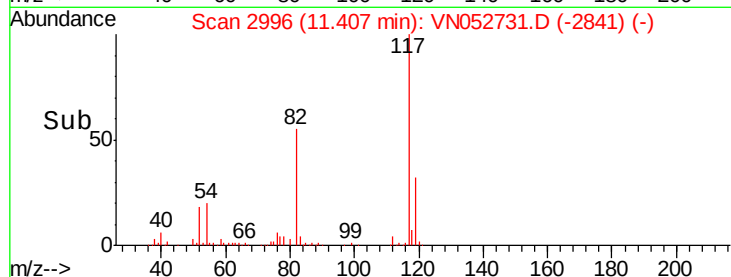
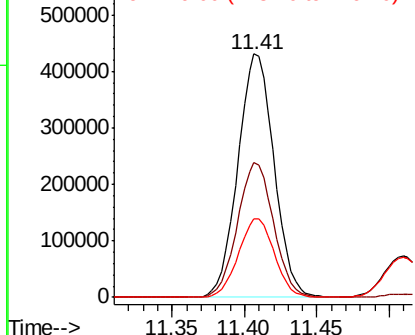
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.2
119	32.3	25.4	38.2

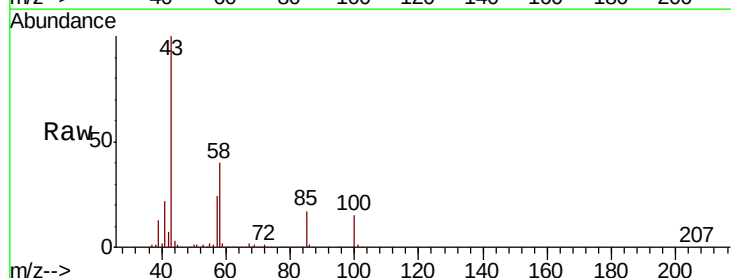


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 119.00 (118.70 to 119.70): V

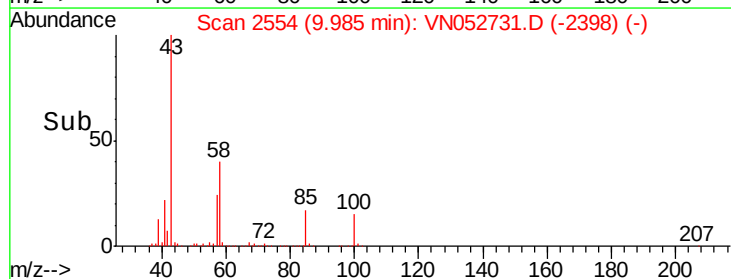
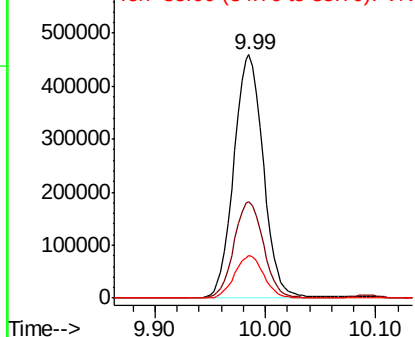


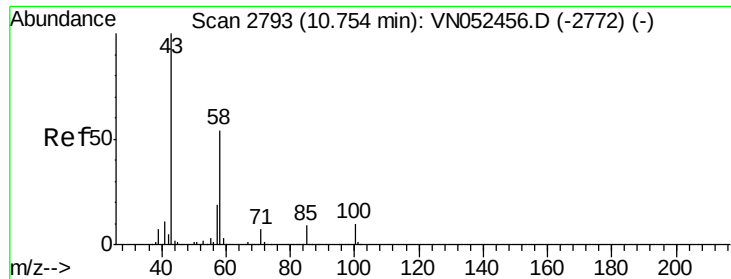
#58
4-Methyl-2-Pentanone
Concen: 117.440 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4
85	17.2	13.3	19.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO

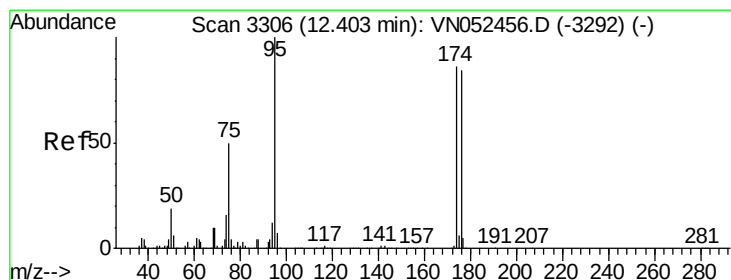
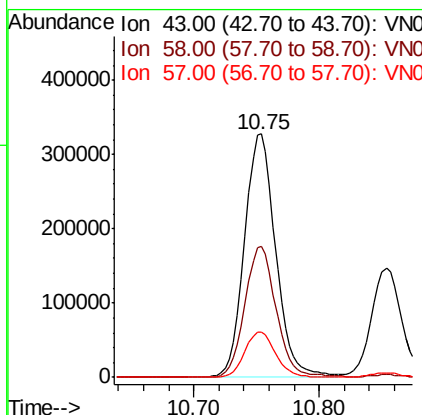
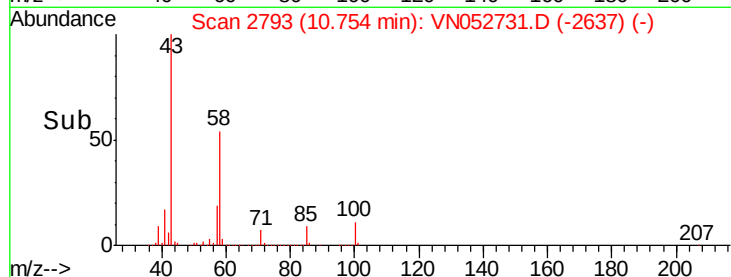
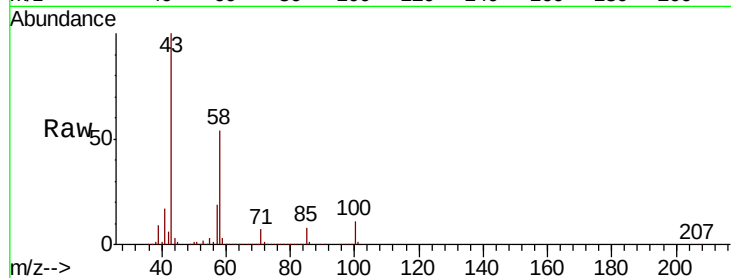




#59
2-Hexanone
Concen: 114.217 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

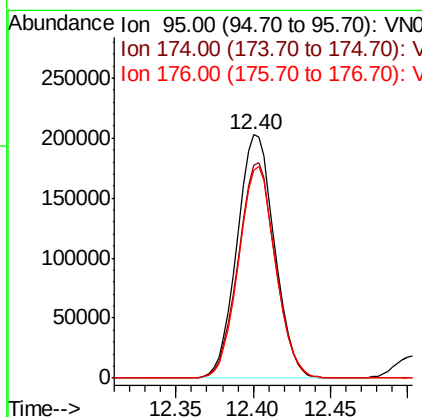
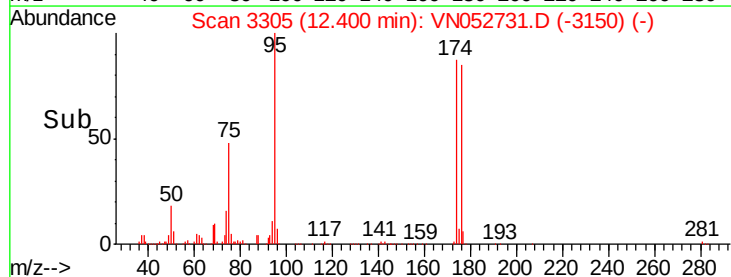
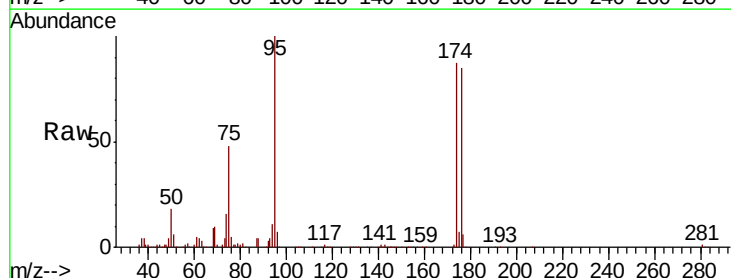
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

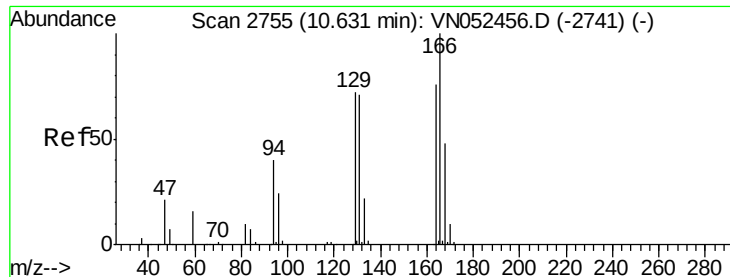
Tot Ion: 43 Resp: 564395
Ion Ratio Lower Upper
43 100
58 54.3 43.2 64.8
57 18.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 114.217 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion: 95 Resp: 342088
Ion Ratio Lower Upper
95 100
174 87.6 67.9 101.9
176 85.5 66.4 99.6





#61

Tetrachloroethene

Concen: 21.533 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion:164 Resp: 197884

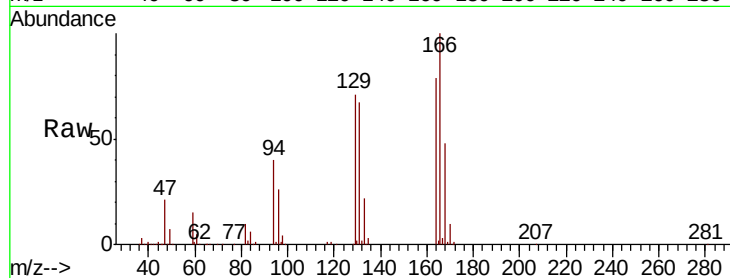
Ion Ratio Lower Upper

164 100

166 126.7 104.6 157.0

129 89.6 75.3 112.9

131 84.6 74.3 111.5

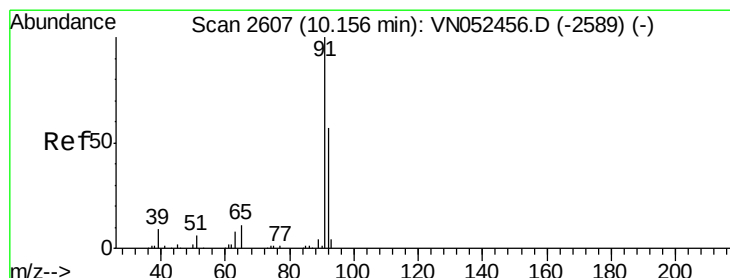
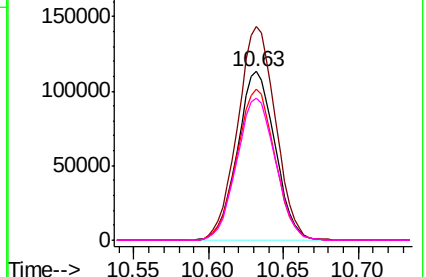
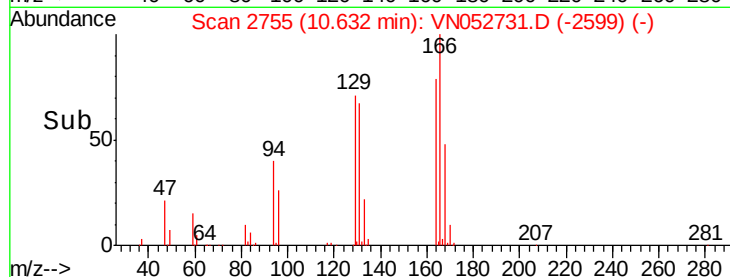


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.052 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052731.D

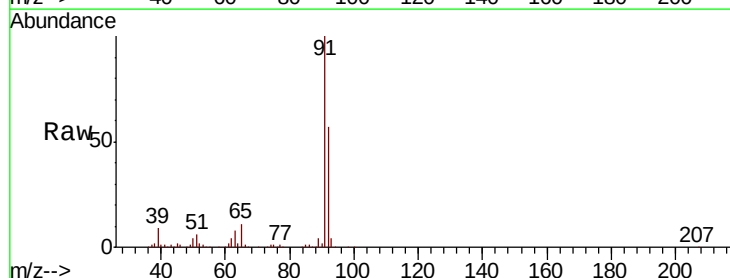
Acq: 7 Dec 2018 17:12

Tgt Ion: 91 Resp: 865934

Ion Ratio Lower Upper

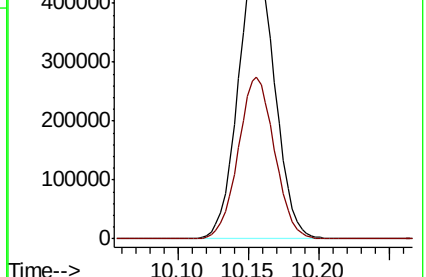
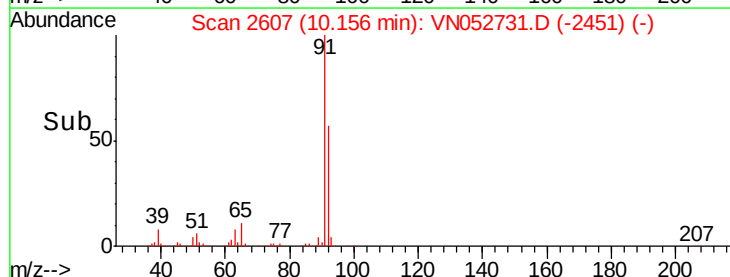
91 100

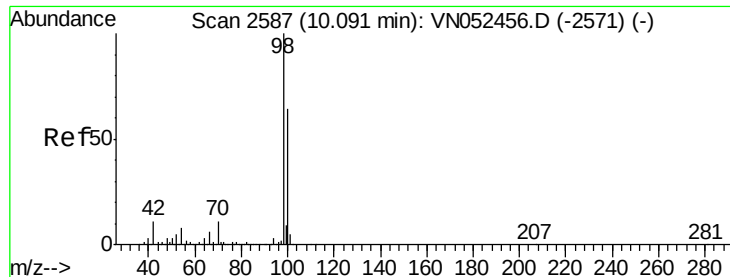
92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 21.052 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

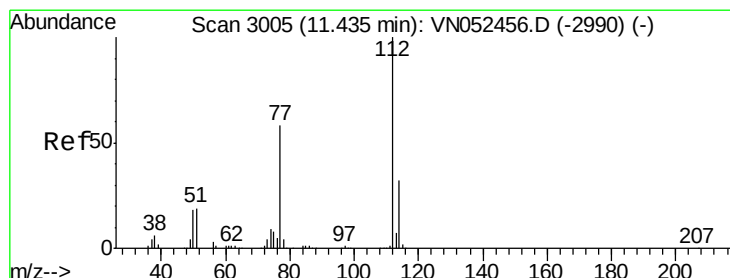
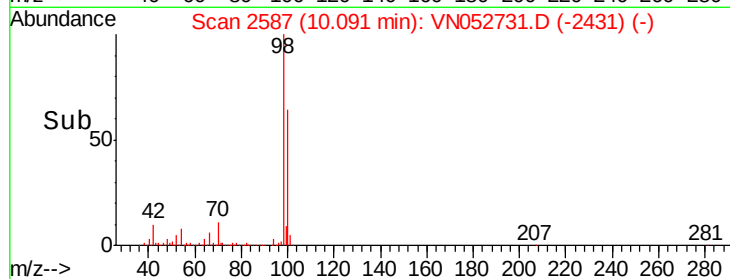
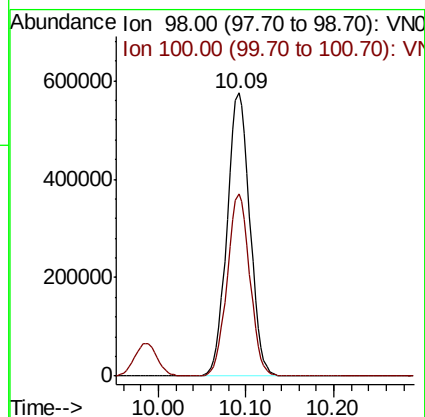
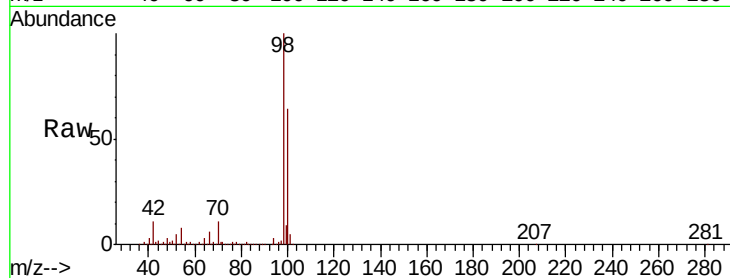
VN1207WBSD01

Tot Ion: 98 Resp: 1039250

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#64

Chlorobenzene

Concen: 21.261 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052731.D

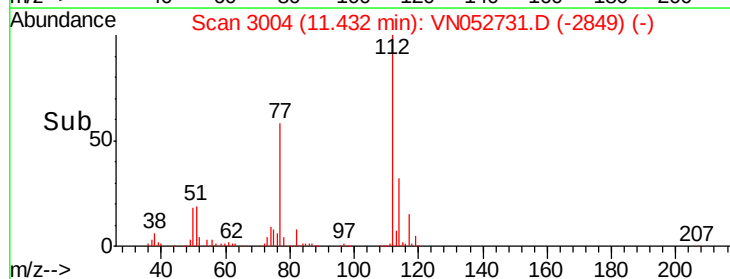
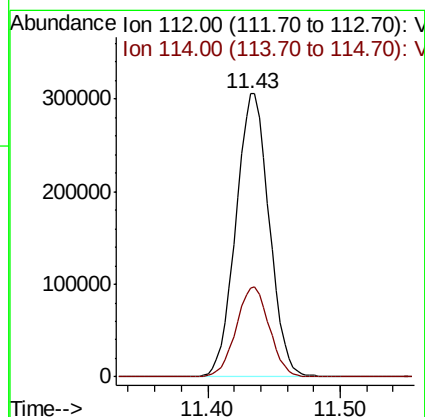
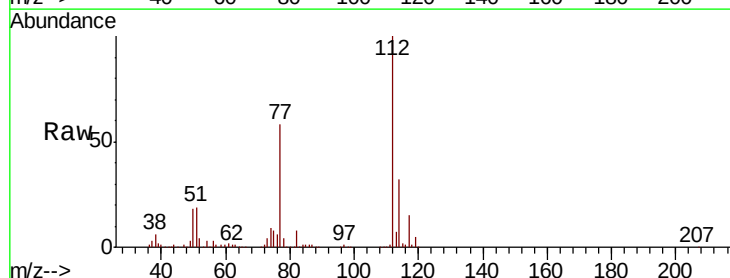
Acq: 7 Dec 2018 17:12

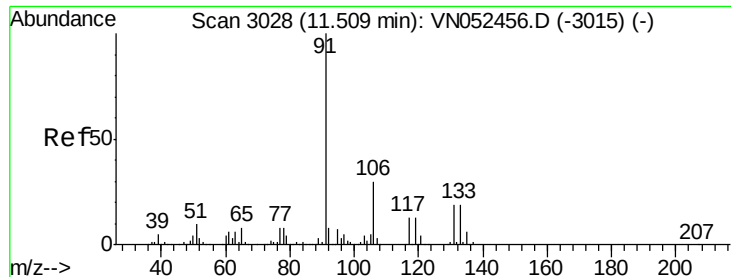
Tgt Ion: 112 Resp: 533779

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.916 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampled :

VN1207WBSD01

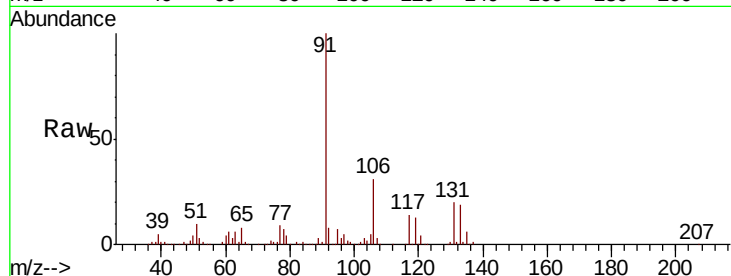
Tot Ion:131 Resp: 190989

Ion Ratio Lower Upper

131 100

133 93.5 0.0 193.4

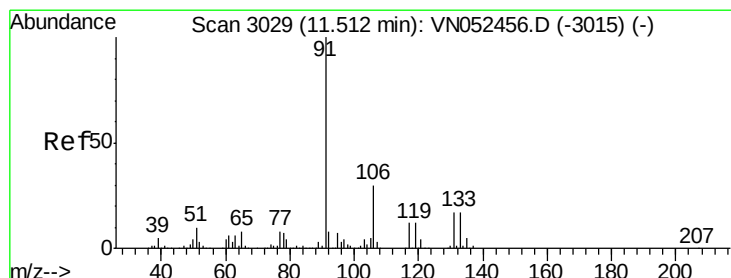
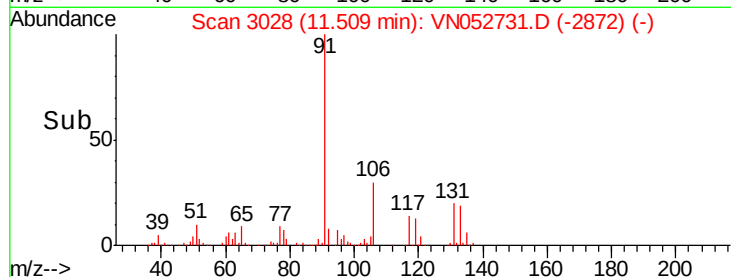
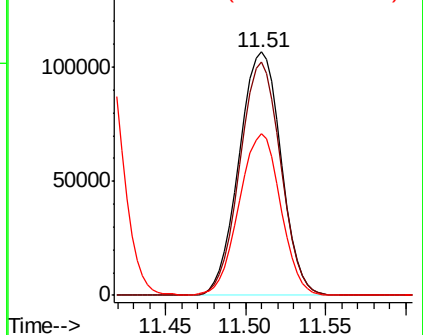
119 65.7 0.0 133.0



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: 20.745 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052731.D

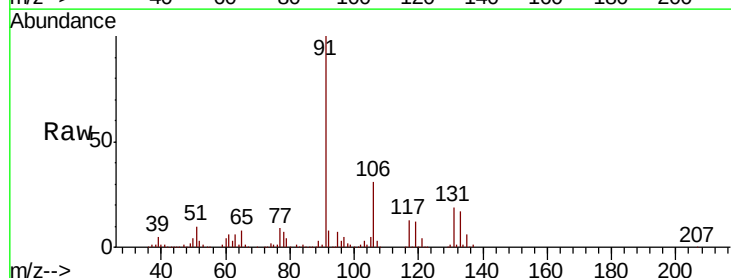
Acq: 7 Dec 2018 17:12

Tgt Ion: 91 Resp: 919657

Ion Ratio Lower Upper

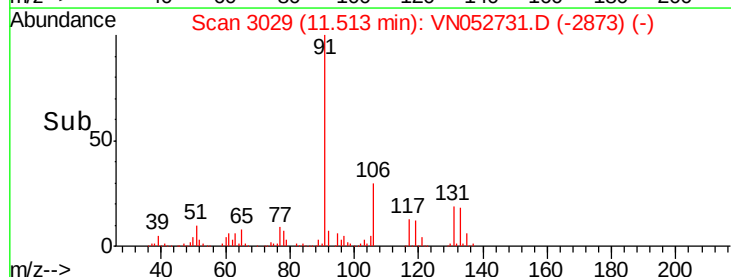
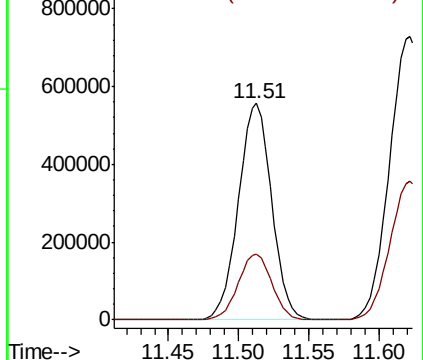
91 100

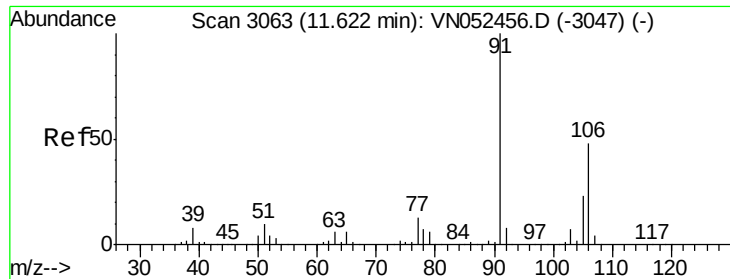
106 30.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.733 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

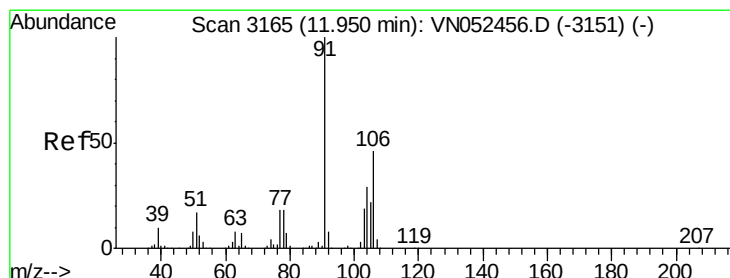
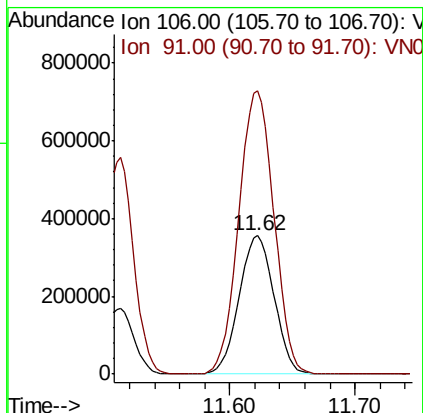
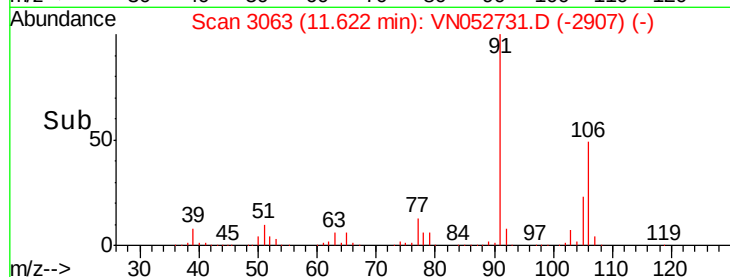
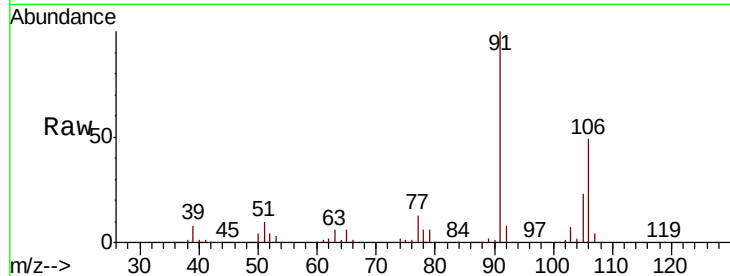
VN1207WBSD01

Tot Ion:106 Resp: 689272

Ion Ratio Lower Upper

106 100

91 205.3 163.9 245.9



#68

o-Xylene

Concen: 21.354 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052731.D

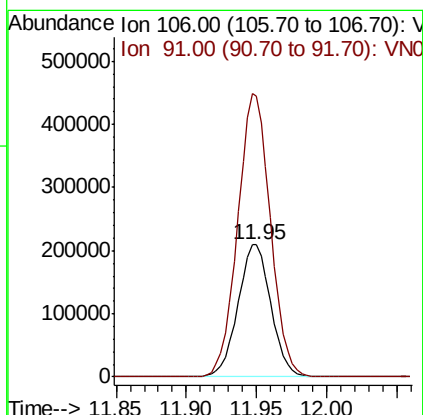
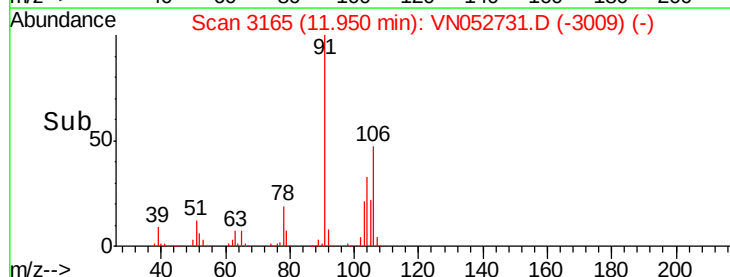
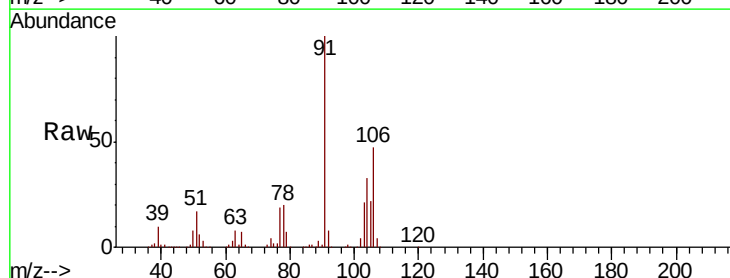
Acq: 7 Dec 2018 17:12

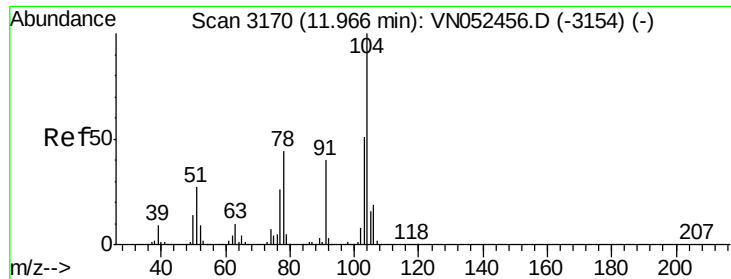
Tgt Ion:106 Resp: 342306

Ion Ratio Lower Upper

106 100

91 212.9 107.8 323.4

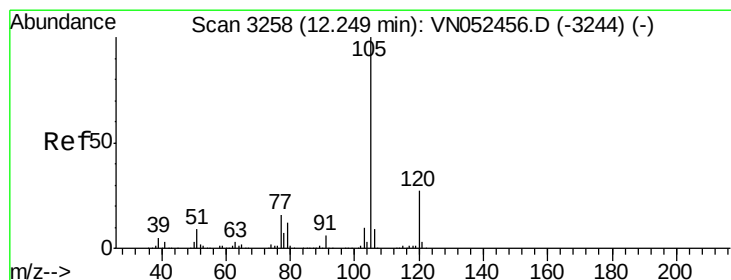
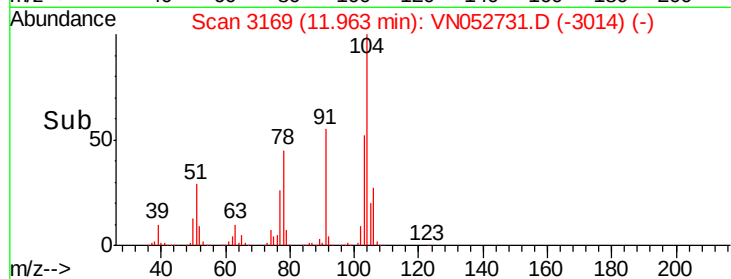
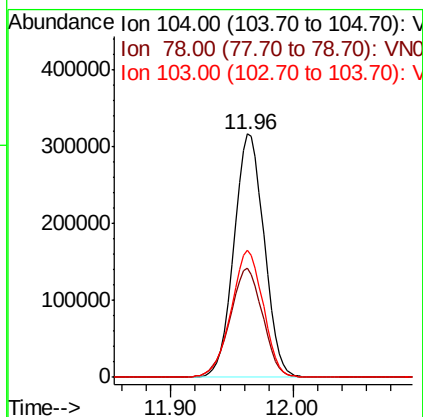
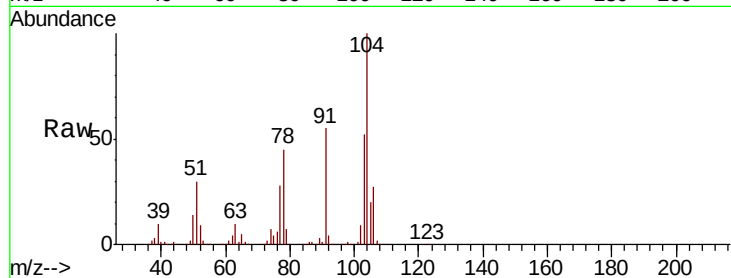




#69
Stvrene
Concen: 20.995 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

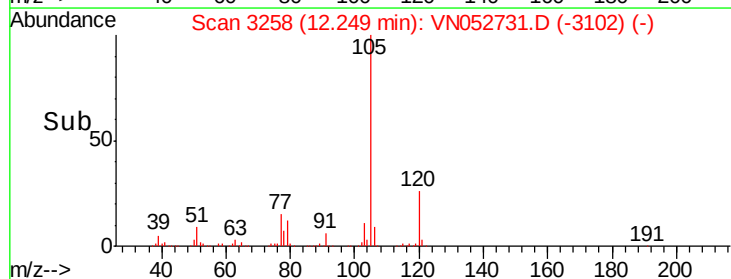
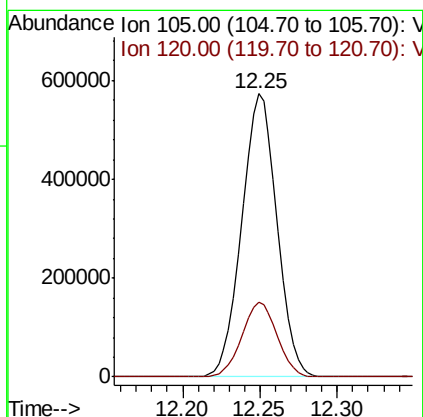
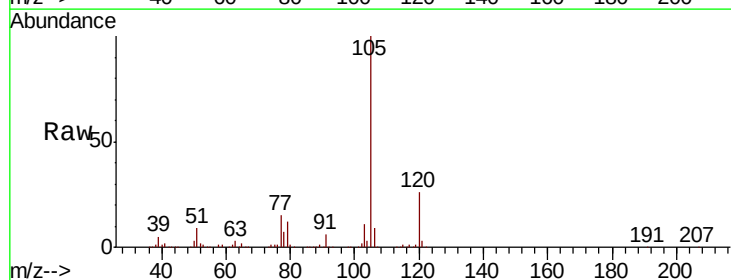
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

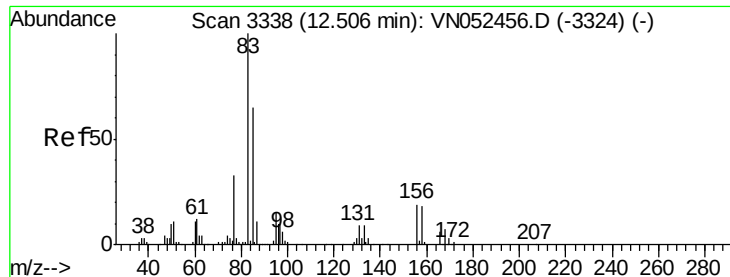
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.3	58.9
103	55.4	44.6	66.8



#70
Isopropylbenzene
Concen: 21.261 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.6

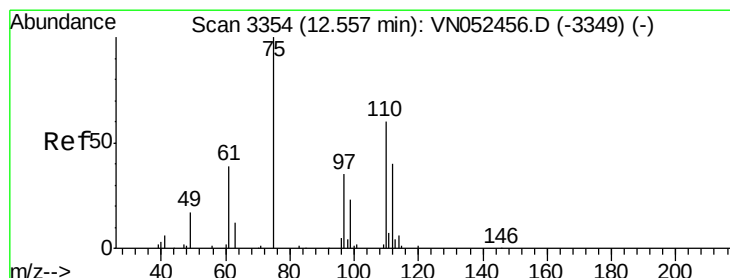
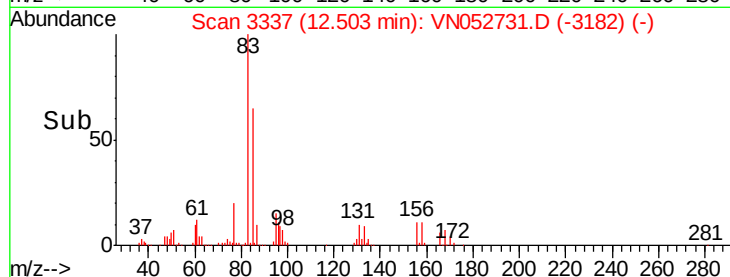
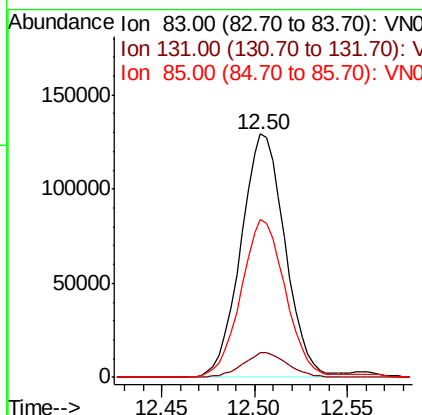
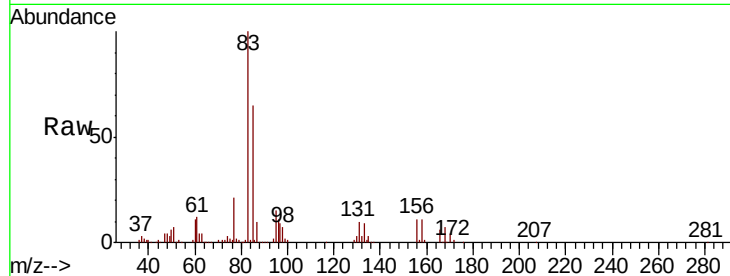




#71
 1,1,2,2-Tetrachloroethane
 Concen: 23.124 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

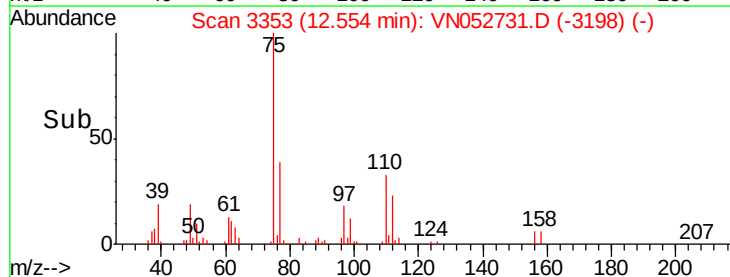
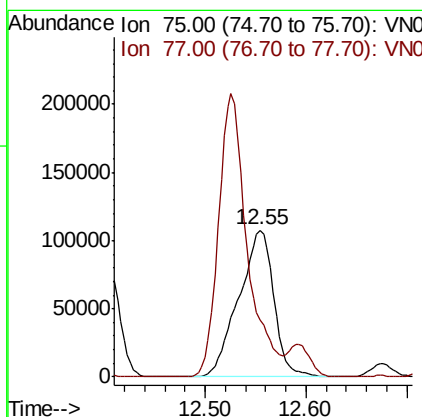
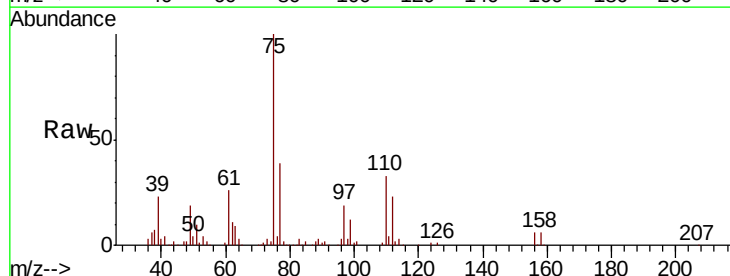
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

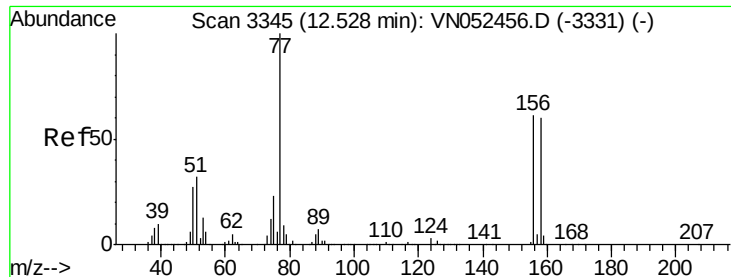
Tot Ion	83	Resp	214546
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.6
85	65.2	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 32.518 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion	75	Resp	258989
Ion Ratio	Lower	Upper	
75	100		
77	159.6	0.0	514.8





#73

Bromobenzene

Concen: 21.654 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

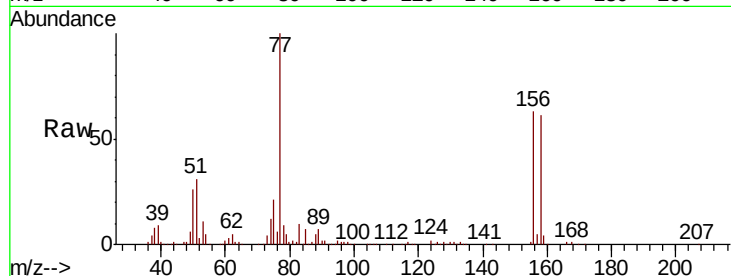
Tot Ion:156 Resp: 223379

Ion Ratio Lower Upper

156 100

77 185.0 0.0 382.6

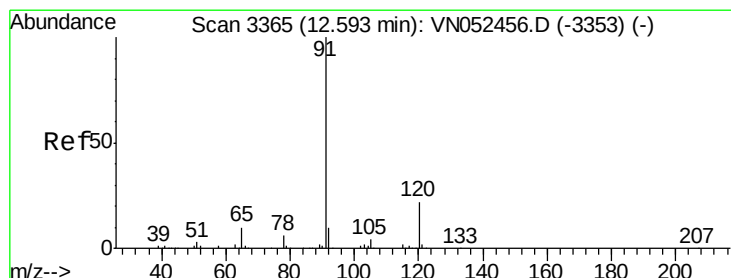
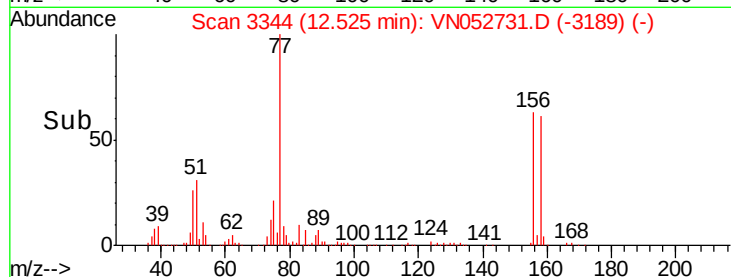
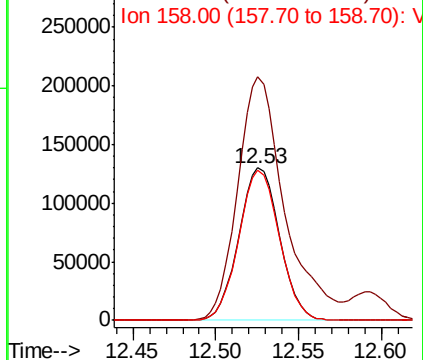
158 97.8 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.511 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052731.D

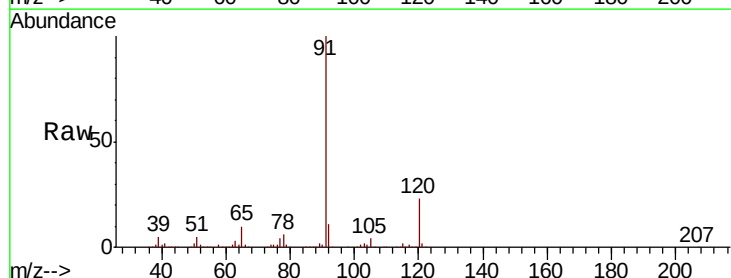
Acq: 7 Dec 2018 17:12

Tgt Ion: 91 Resp: 1019289

Ion Ratio Lower Upper

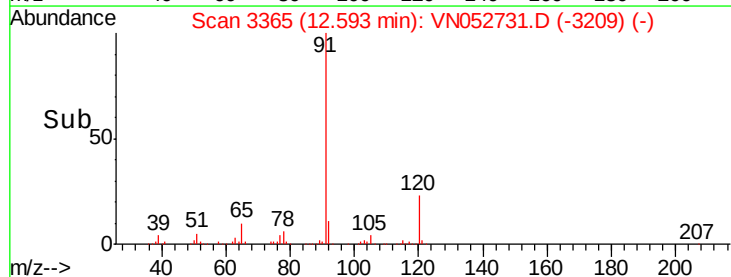
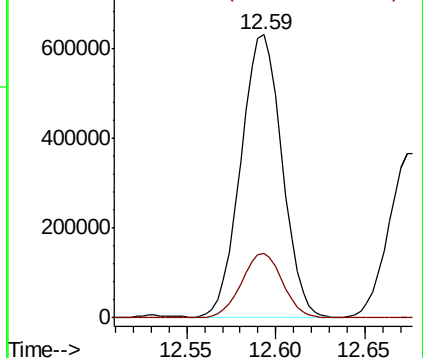
91 100

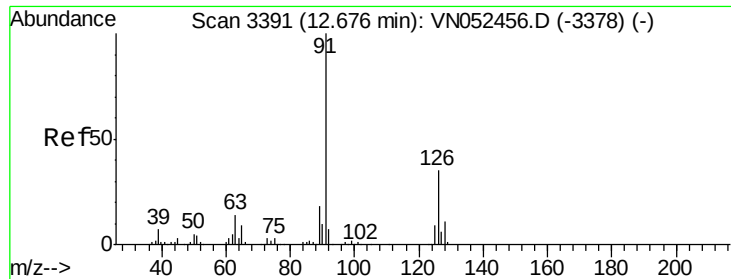
120 22.6 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.106 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampled :

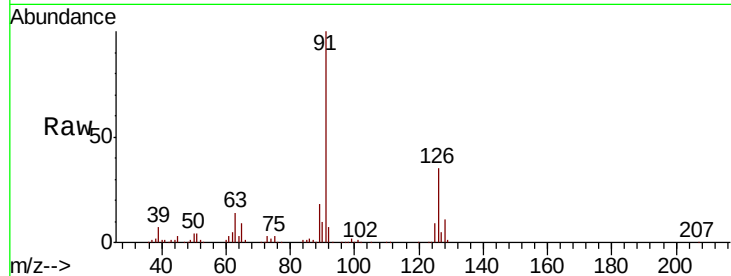
VN1207WBSD01

Tot Ion: 91 Resp: 608815

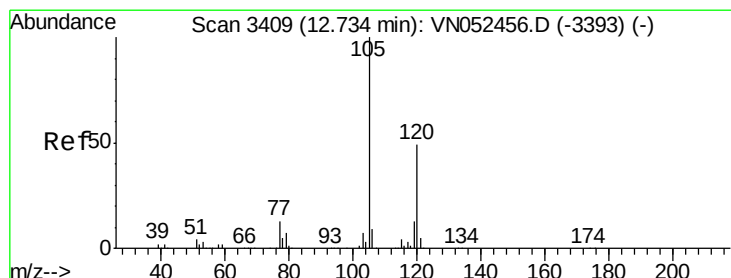
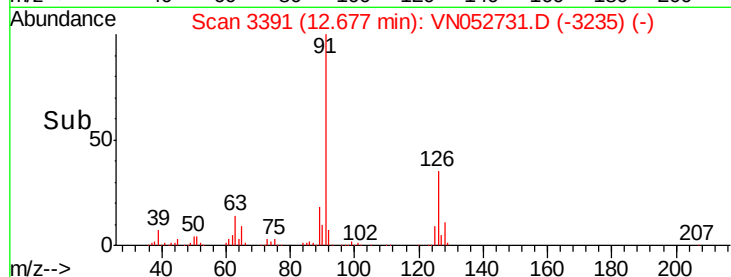
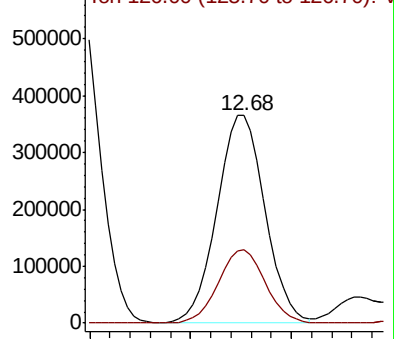
Ion Ratio Lower Upper

91 100

126 34.7 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.280 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052731.D

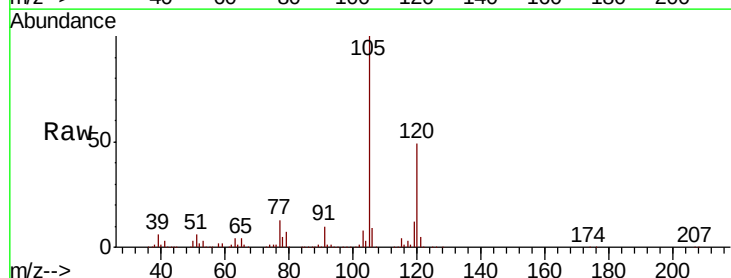
Acq: 7 Dec 2018 17:12

Tgt Ion: 105 Resp: 733103

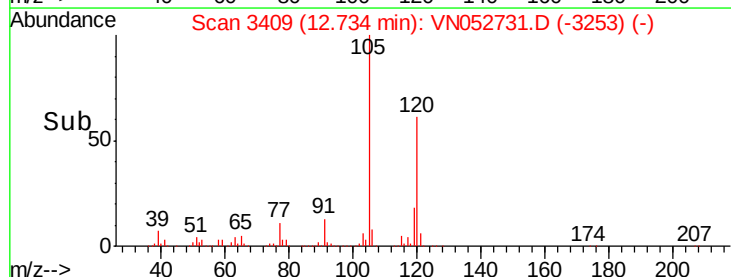
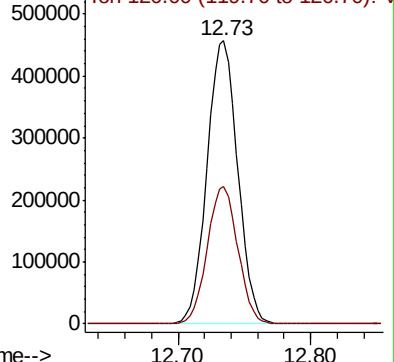
Ion Ratio Lower Upper

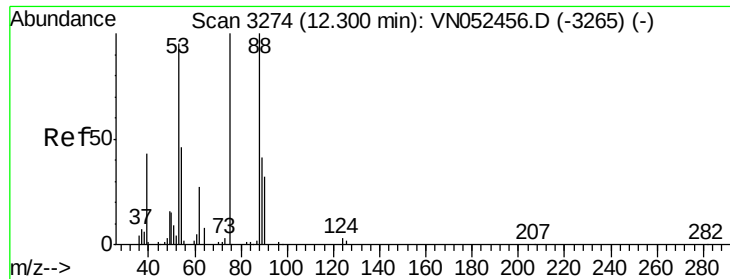
105 100

120 48.4 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.789 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

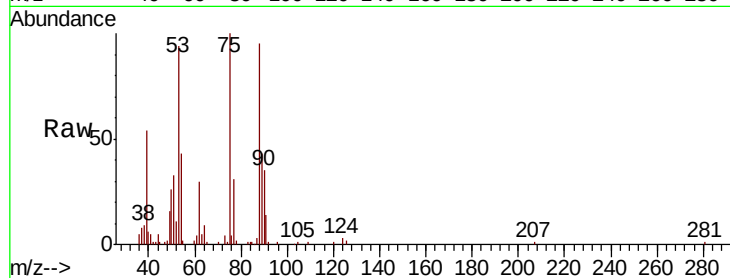
Tot Ion: 75 Resp: 52306

Ion Ratio Lower Upper

75 100

53 93.5 48.5 145.6

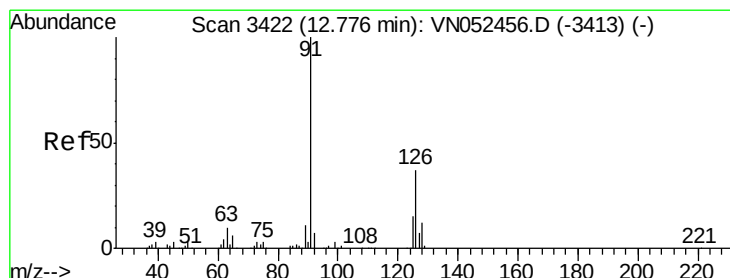
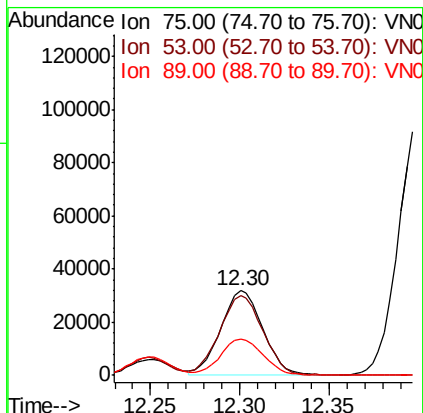
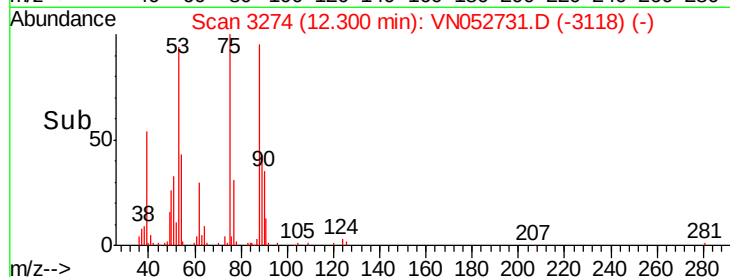
89 42.9 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.768 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052731.D

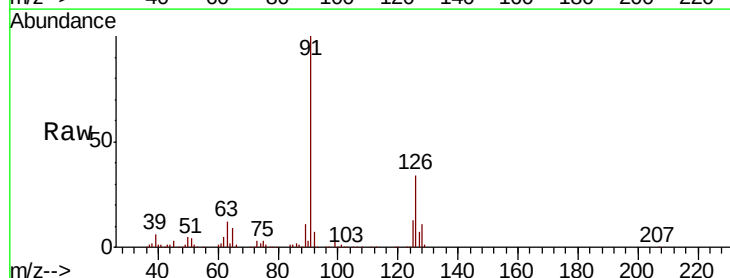
Acq: 7 Dec 2018 17:12

Tgt Ion: 91 Resp: 598252

Ion Ratio Lower Upper

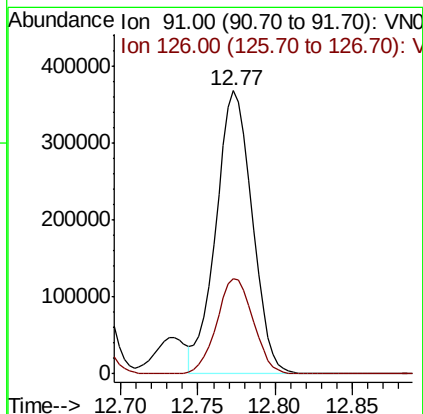
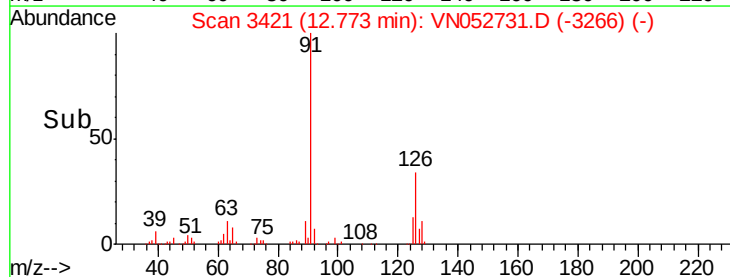
91 100

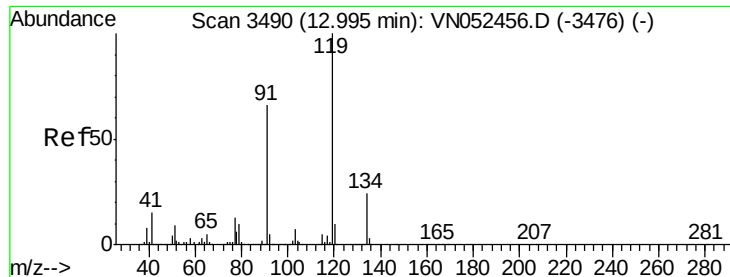
126 34.0 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 21.510 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

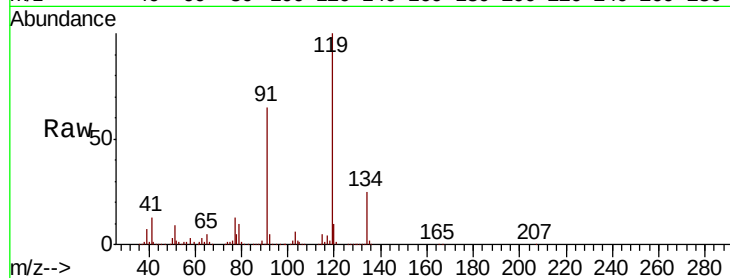
Tot Ion:119 Resp: 645354

Ion Ratio Lower Upper

119 100

91 63.9 0.0 129.8

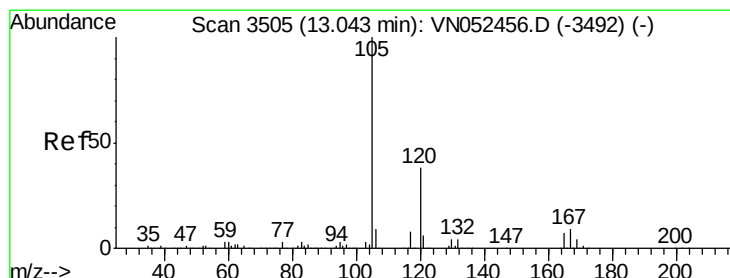
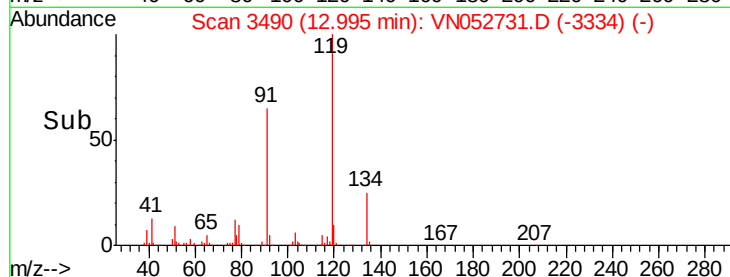
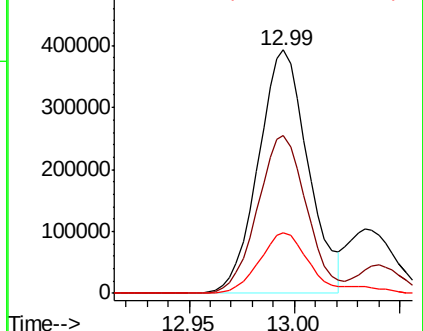
134 24.1 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 21.102 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052731.D

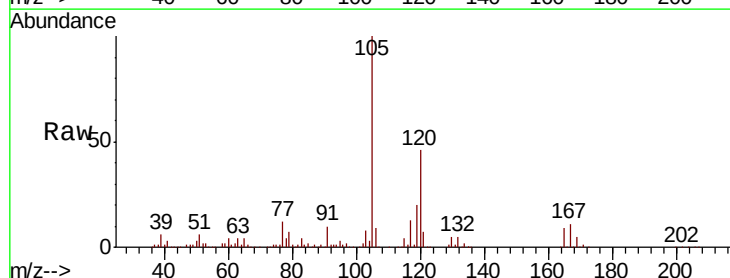
Acq: 7 Dec 2018 17:12

Tgt Ion:105 Resp: 727423

Ion Ratio Lower Upper

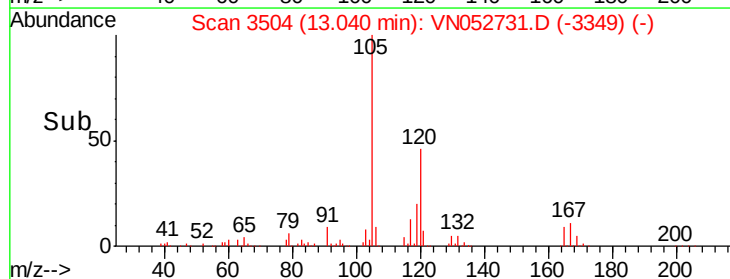
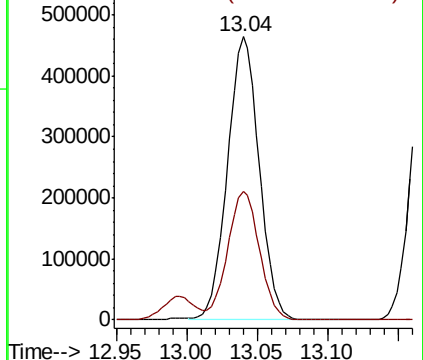
105 100

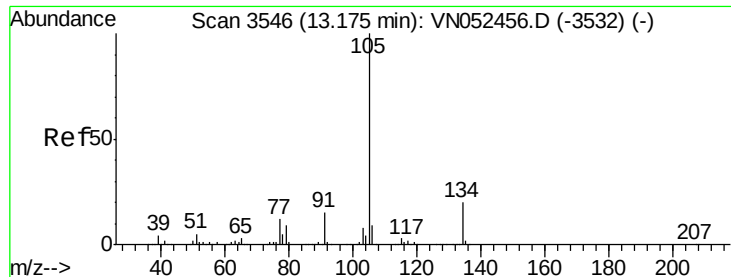
120 45.9 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.864 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampleId :

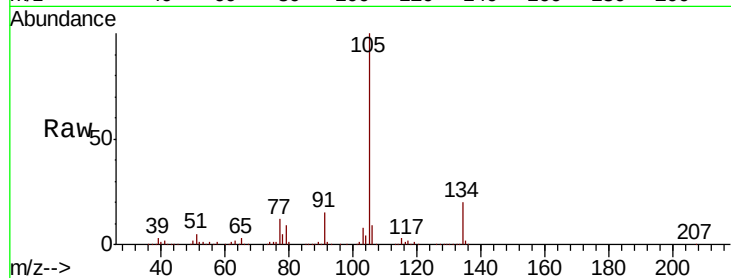
VN1207WBSD01

Tot Ion:105 Resp: 871876

Ion Ratio Lower Upper

105 100

134 19.9 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

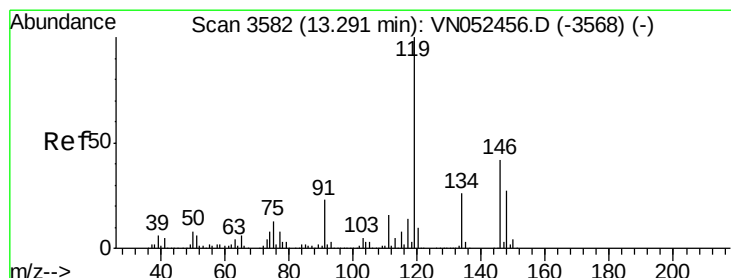
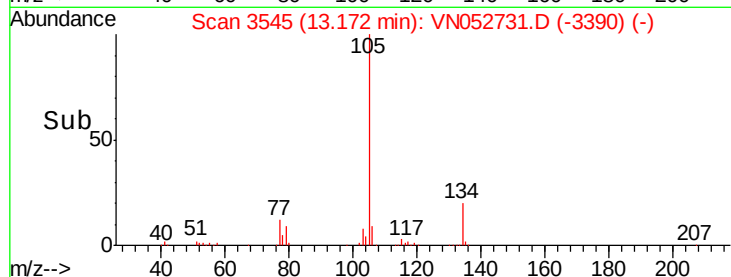
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 20.803 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

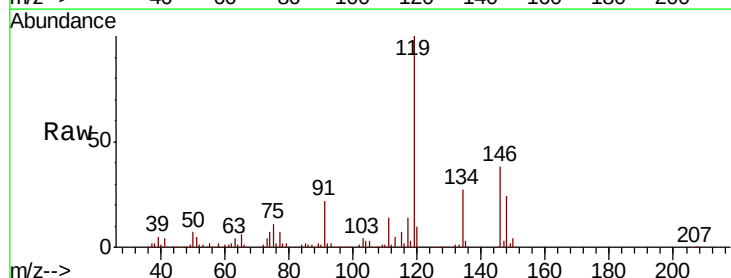
Tgt Ion:119 Resp: 740253

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

91 22.8 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

13.29

600000

500000

400000

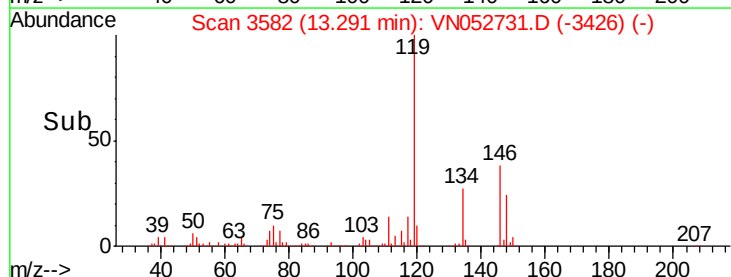
300000

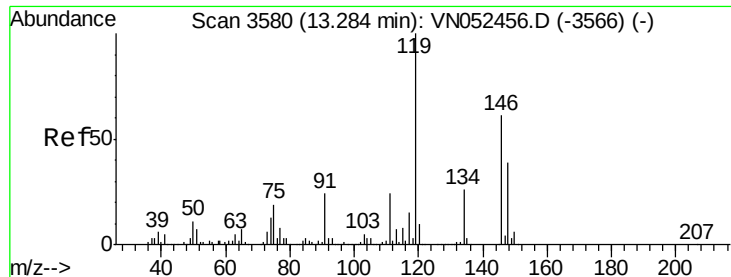
200000

100000

0

Time--> 13.20 13.25 13.30 13.35

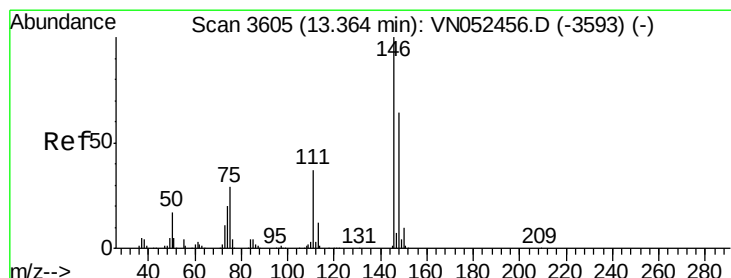
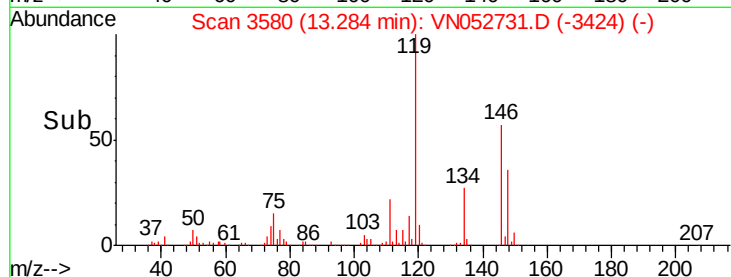
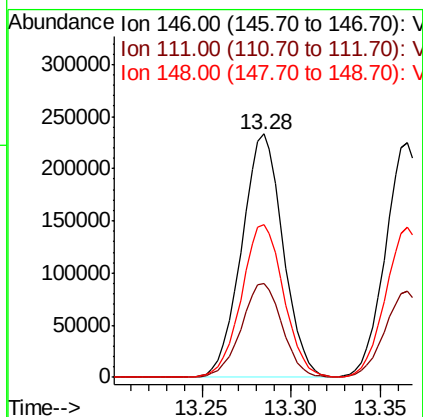
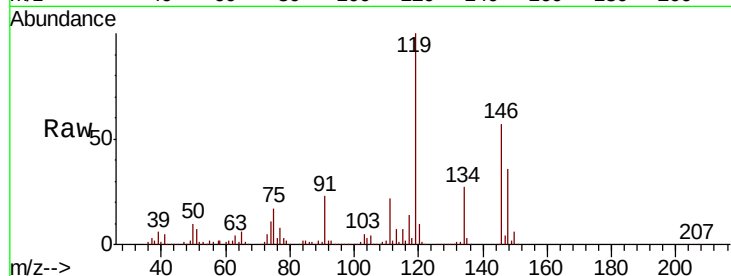




#83
 1,3-Dichlorobenzene
 Concen: 20.813 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

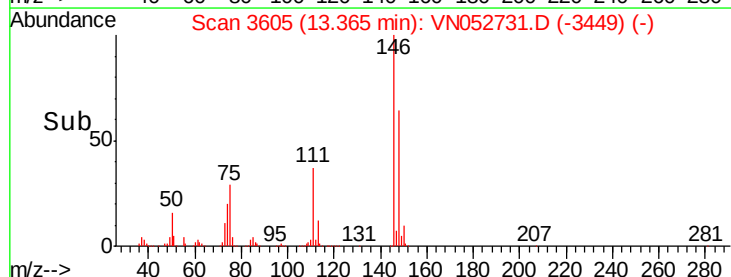
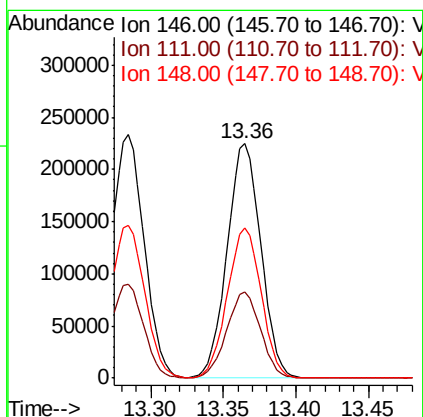
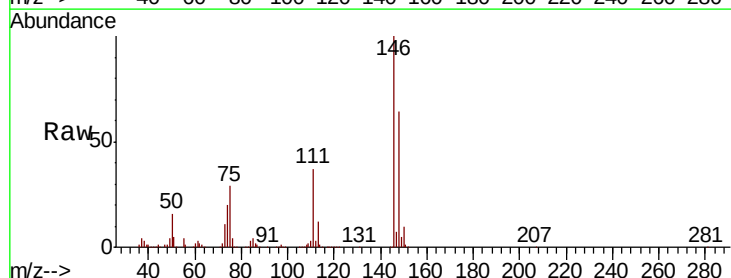
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

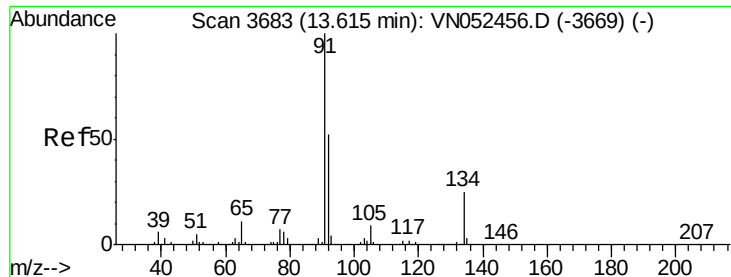
Tot Ion:146 Resp: 377596
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.7 59.0
 148 63.9 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 20.712 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion:146 Resp: 363052
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.3
 148 63.9 32.5 97.4





#85

n-Butylbenzene

Concen: 19.204 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052731.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_N

ClientSampled :

VN1207WBSD01

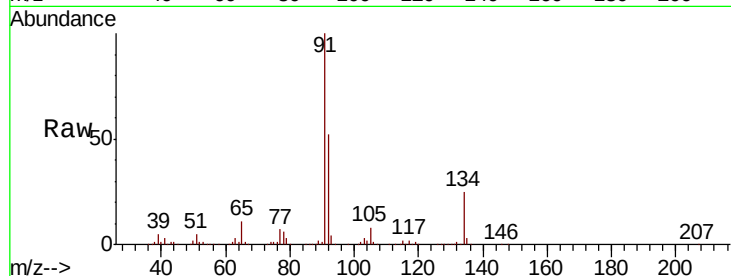
Tot Ion: 91 Resp: 586989

Ion Ratio Lower Upper

91 100

92 51.7 0.0 104.2

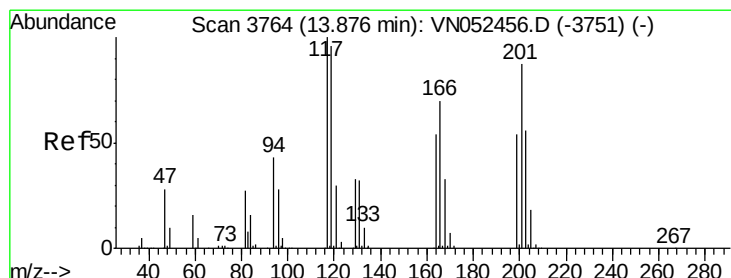
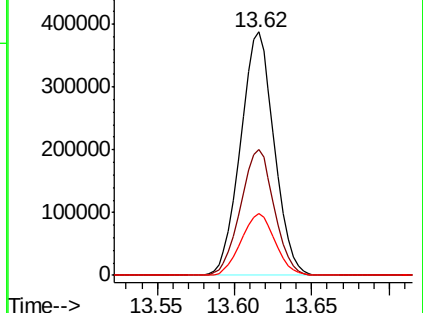
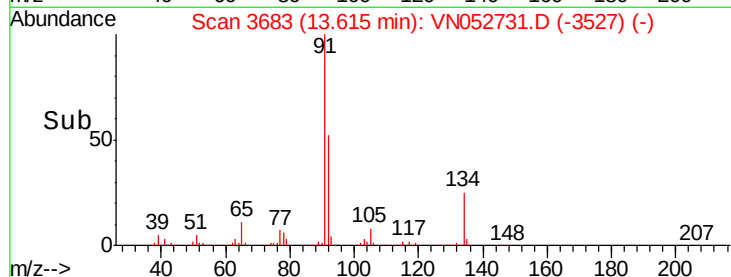
134 25.5 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052731.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN052731.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN052731.D (-3527) (-)



#86

Hexachloroethane

Concen: 21.073 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052731.D

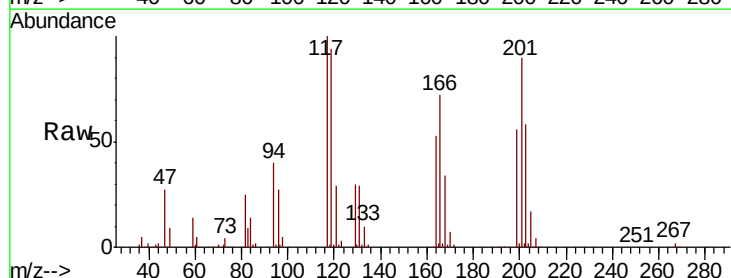
Acq: 7 Dec 2018 17:12

Tgt Ion: 117 Resp: 127056

Ion Ratio Lower Upper

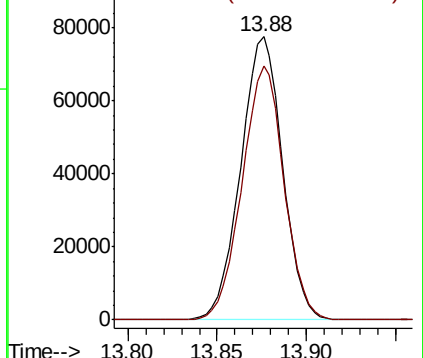
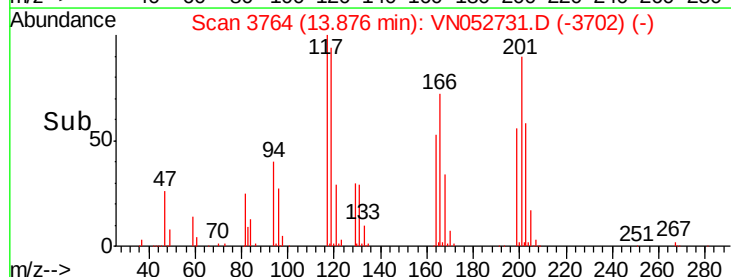
117 100

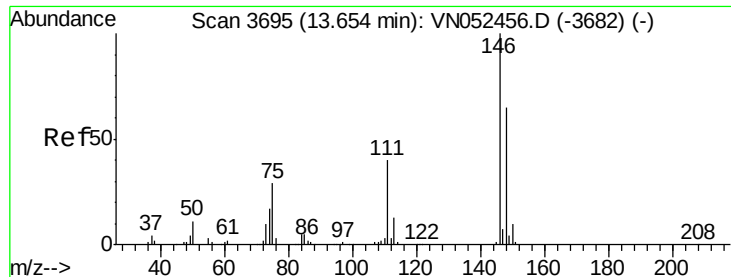
201 89.5 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052731.D (-3702) (-)

Ion 201.00 (200.70 to 201.70): VN052731.D (-3702) (-)

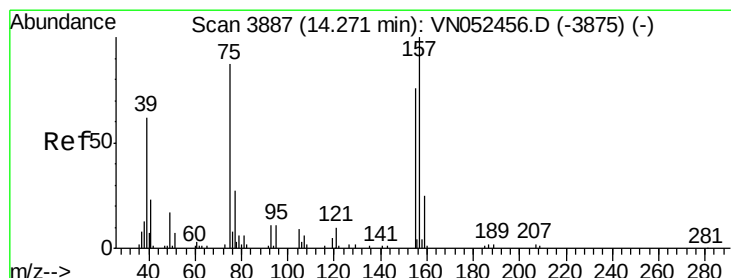
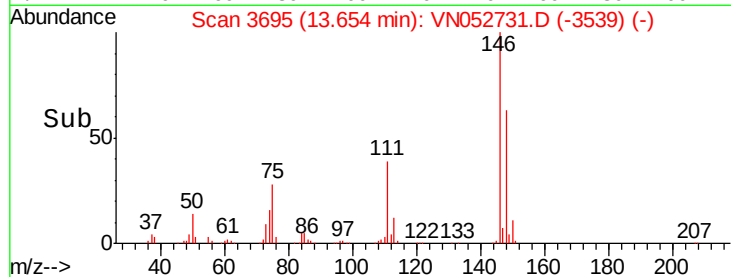
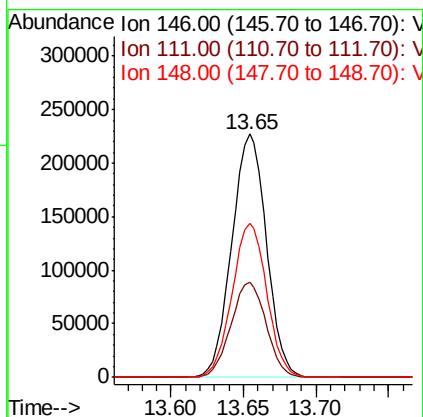
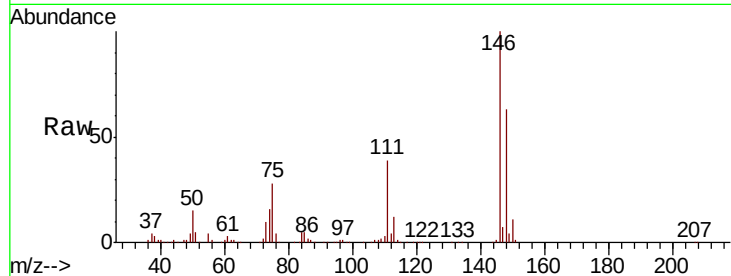




#87
 1,2-Dichlorobenzene
 Concen: 21.848 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

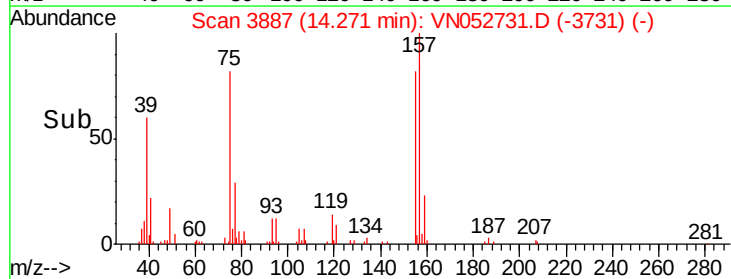
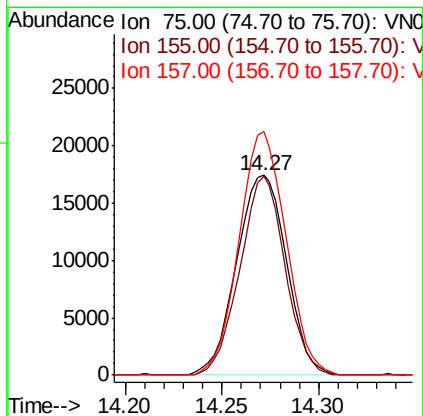
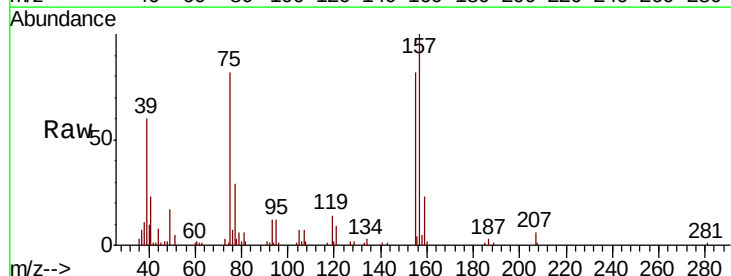
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

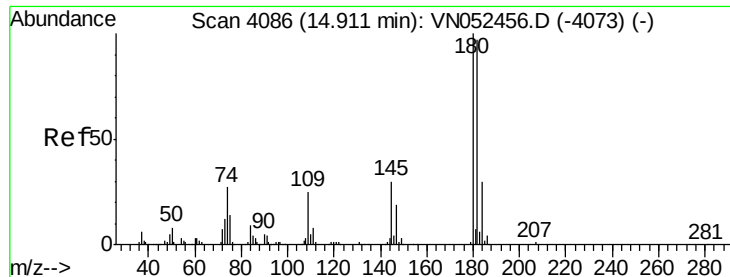
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.8
148	63.3	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 24.085 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	72.2	108.2
157	114.8	94.2	141.2

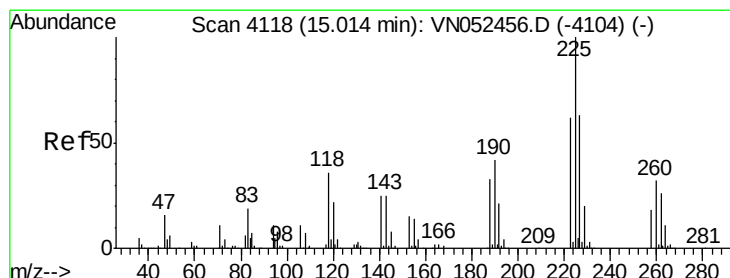
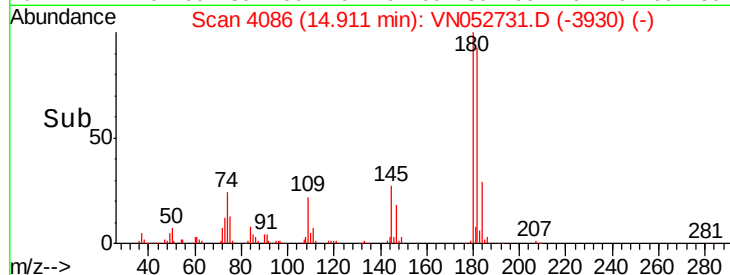
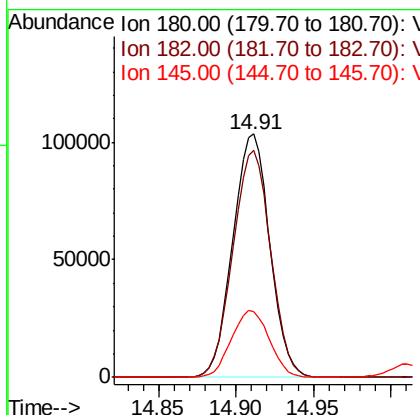
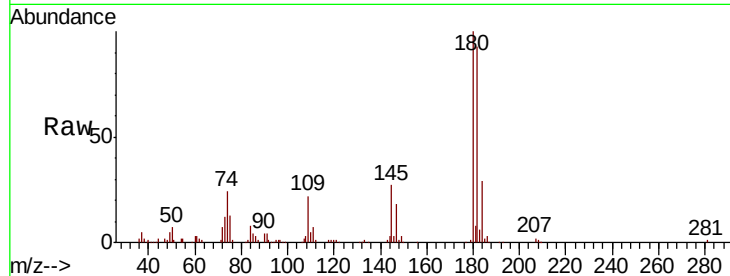




#89
 1,2,4-Trichlorobenzene
 Concen: 20.214 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

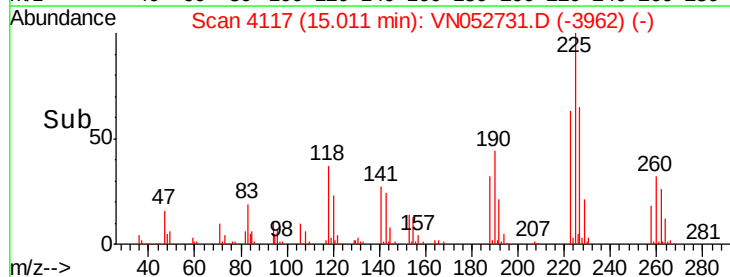
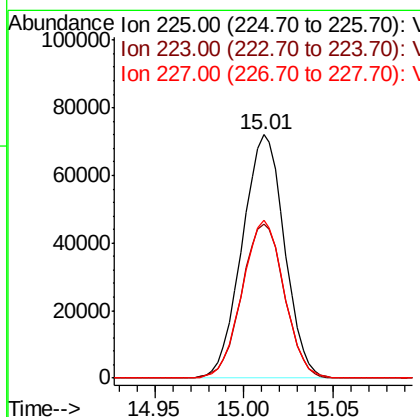
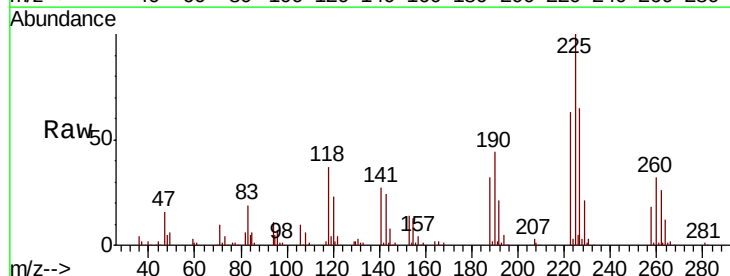
Instrument :
 MSVOA_N
 ClientSampled :
 VN1207WBSD01

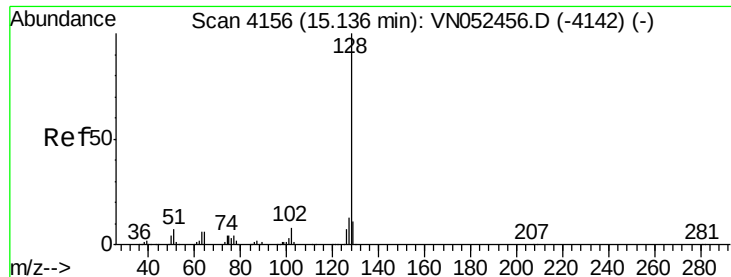
Tot Ion:180 Resp: 171939
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 114.8
 145 28.0 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 21.410 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052731.D
 Acq: 7 Dec 2018 17:12

Tgt Ion:225 Resp: 119463
 Ion Ratio Lower Upper
 225 100
 223 63.7 0.0 125.6
 227 64.2 0.0 127.8

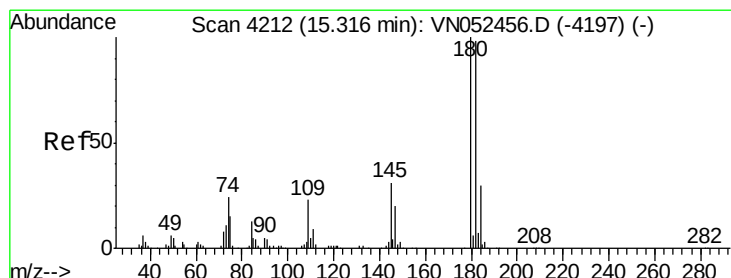
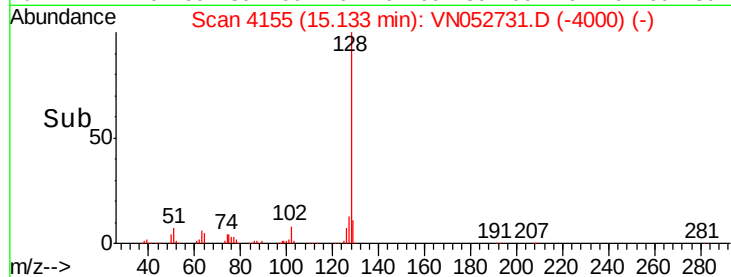
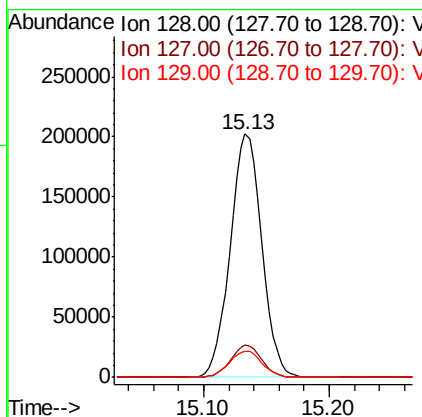
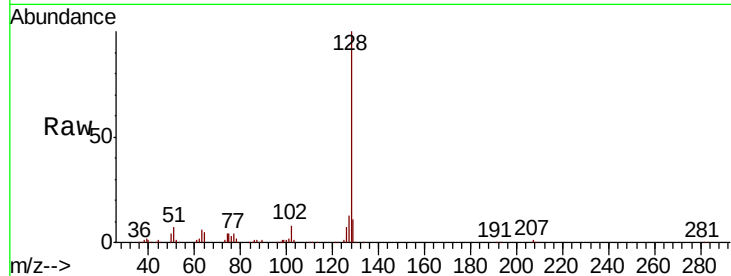




#91
Naphthalene
Concen: 20.601 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion:128 Resp: 353865
Ion Ratio Lower Upper
128 100
127 13.1 9.9 14.9
129 11.1 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 21.435 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052731.D
Acq: 7 Dec 2018 17:12

Tgt Ion:180 Resp: 168021
Ion Ratio Lower Upper
180 100
182 96.4 0.0 196.2
145 30.1 0.0 62.2

