

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052630.D
 Acq On : 3 Dec 2018 14:42
 Operator : MD\SY
 Sample : VN1203WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Quant Time: Dec 04 00:24:44 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	157617	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	906804	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	801388	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	319877	29.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.27%
60) 4-Bromofluorobenzene	12.40	95	364594	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	10.09	98	1094588	29.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	172751	19.244	ug/l 99
3) Chloromethane	2.06	50	216780	18.209	ug/l 99
4) Vinyl Chloride	2.19	62	224835	18.712	ug/l 93
5) Bromomethane	2.58	94	141291	20.623	ug/l 97
6) Chloroethane	2.71	64	135920	19.021	ug/l 100
7) Trichlorofluoromethane	3.02	101	295424	19.922	ug/l 100
8) Diethyl Ether	3.41	74	109928	20.076	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	188748	20.078	ug/l 98
10) 1,1-Dichloroethene	3.74	96	173594	19.640	ug/l 99
11) Methyl Iodide	3.96	142	253824	20.683	ug/l 99
12) Methyl Acetate	4.33	43	160495	21.371	ug/l 97
13) Acrolein	3.61	56	70925	80.398	ug/l 100
14) Acrylonitrile	4.99	53	330051	103.144	ug/l 99
15) Acetone	3.82	58	88181	106.409	ug/l 98
16) Carbon Disulfide	4.06	76	507385	18.131	ug/l 98
17) Allyl chloride	4.33	41	296886	19.260	ug/l 97
18) Methylene Chloride	4.55	84	197368	19.285	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	189532	19.925	ug/l 94
20) Diisopropyl ether	5.95	45	619749	19.132	ug/l 98
21) 1,1-Dichloroethane	5.85	63	360485	19.525	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	217344	19.937	ug/l 98
23) tert-Butyl Alcohol	4.78	59	57164	120.089	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	481679	20.773	ug/l 99
25) Chloroform	7.37	83	353484	19.846	ug/l 100
26) Cyclohexane	7.66	56	328711	18.877	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	271518	19.607	ug/l 99
30) 2-Butanone	6.84	43	390328	105.339	ug/l 99
31) 2,2-Dichloropropane	6.83	77	256371	20.110	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	290324	20.149	ug/l 98
33) Carbon Tetrachloride	7.78	117	252164	20.001	ug/l 97
34) Benzene	8.04	78	825098	19.818	ug/l 100
35) Methacrylonitrile	7.17	41	84854	18.457	ug/l 96
36) 1,2-Dichloroethane	8.13	62	253604	20.101	ug/l 100
37) Trichloroethene	8.84	130	214643	20.331	ug/l 98
38) Methylcyclohexane	9.08	83	333719	19.468	ug/l 98
39) 1,2-Dichloropropane	9.12	63	216527	19.402	ug/l 97
40) Dibromomethane	9.21	93	125458	20.802	ug/l 97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

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 VN1203WBS02

Quant Time: Dec 04 00:24:44 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)
41) Bromodichloromethane	9.40	83	262769	19.721	ug/l	96
42) Vinyl Acetate	5.90	43	1971756	98.348	ug/l	98
43) Ethyl Acetate	6.93	43	160953	20.427	ug/l #	70
44) Isopropyl Acetate	8.17	43	303163	21.939	ug/l #	84
45) 1,4-Dioxane	9.20	88	36899	488.101	ug/l	93
46) Methyl methacrylate	9.20	41	146471	20.414	ug/l	97
47) n-amyl Acetate	12.07	43	231511	20.206	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	256995	19.892	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	309304	19.650	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	179794	21.031	ug/l	98
51) Ethyl methacrylate	10.43	69	221128	20.595	ug/l	97
52) 1,3-Dichloropropane	10.71	76	308658	20.284	ug/l	99
53) Dibromochloromethane	10.90	129	193267	20.534	ug/l	99
54) 1,2-Dibromoethane	11.01	107	176187	21.091	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	652020	103.744	ug/l	99
56) Bromoform	12.13	173	128930	20.957	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	832868	107.201	ug/l	99
59) 2-Hexanone	10.75	43	564561	106.375	ug/l	99
61) Tetrachloroethene	10.63	164	214959	21.779	ug/l	96
62) Toluene	10.16	91	885009	20.033	ug/l	100
64) Chlorobenzene	11.44	112	536512	19.897	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	189229	20.217	ug/l	99
66) Ethyl Benzene	11.51	91	945597	19.860	ug/l	98
67) m/p-Xylenes	11.62	106	718901	40.527	ug/l	99
68) o-Xylene	11.95	106	351775	20.432	ug/l	98
69) Styrene	11.97	104	561068	20.190	ug/l	100
70) Isopropylbenzene	12.25	105	943466	20.595	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	211613	21.236	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	262272	30.660	ug/l	45
73) Bromobenzene	12.53	156	231460	20.891	ug/l	95
74) n-propylbenzene	12.59	91	1066502	19.981	ug/l	99
75) 2-Chlorotoluene	12.68	91	631952	20.398	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	768315	20.765	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55048	20.371	ug/l	100
78) 4-Chlorotoluene	12.77	91	618471	19.990	ug/l	100
79) tert-butylbenzene	12.99	119	669664	20.782	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	767489	20.730	ug/l	100
81) sec-Butylbenzene	13.17	105	914957	20.385	ug/l	100
82) p-Isopropyltoluene	13.29	119	788415	20.629	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404460	20.756	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	389729	20.701	ug/l	98
85) n-Butylbenzene	13.62	91	651907	19.858	ug/l	99
86) Hexachloroethane	13.88	117	128781	19.887	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	395006	21.302	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31085	22.270	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	190708	20.875	ug/l	99
90) Hexachlorobutadiene	15.01	225	131030	21.864	ug/l	98
91) Naphthalene	15.14	128	393785	21.345	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	182275	21.650	ug/l	98

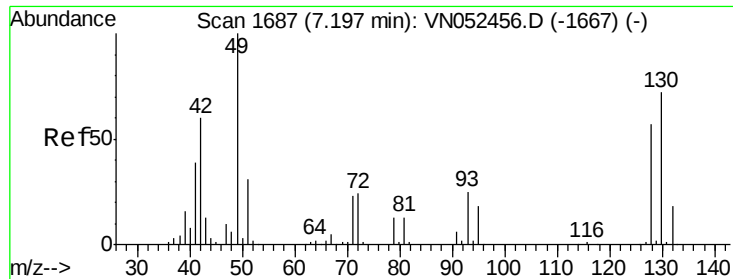
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
Data File : VN052630.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

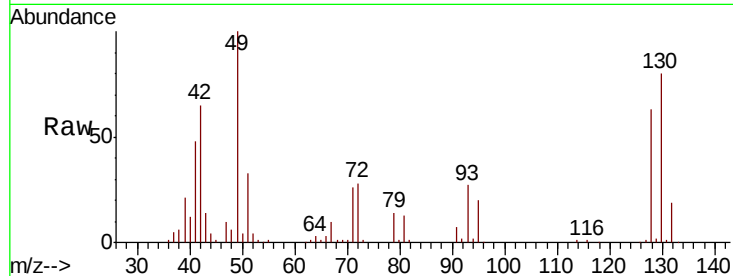
Tot Ion:128 Resp: 157617

Ion Ratio Lower Upper

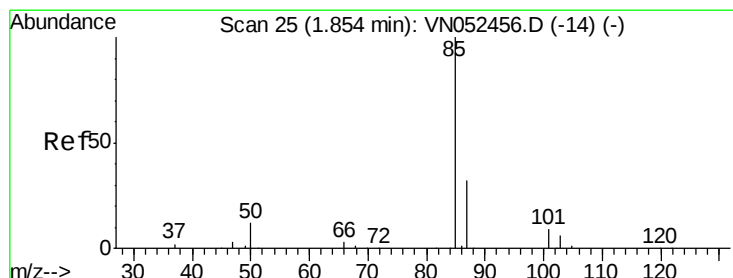
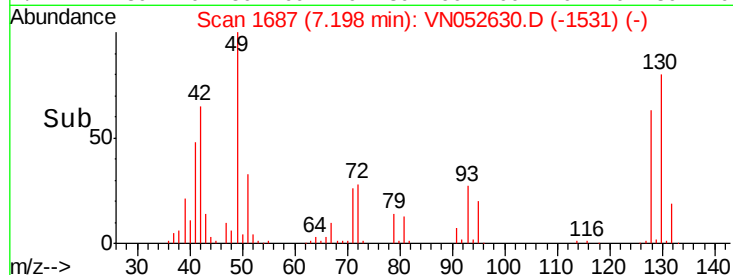
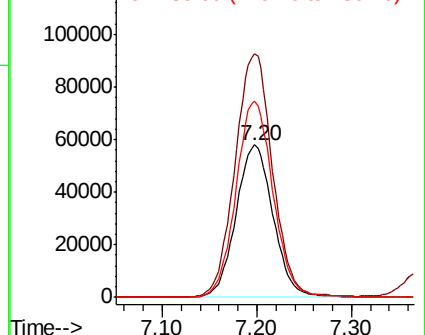
128 100

49 161.3 0.0 431.8

130 129.0 0.0 317.0



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



#2

Dichlorodifluoromethane

Concen: 19.244 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052630.D

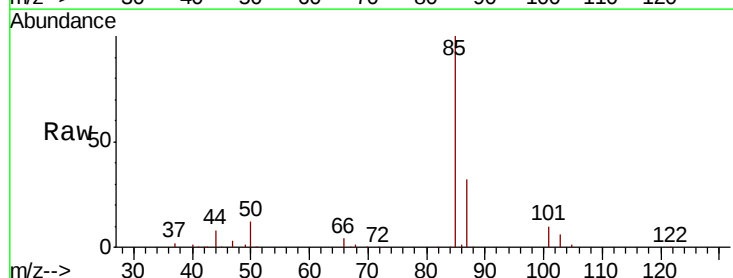
Acq: 3 Dec 2018 14:42

Tgt Ion: 85 Resp: 172751

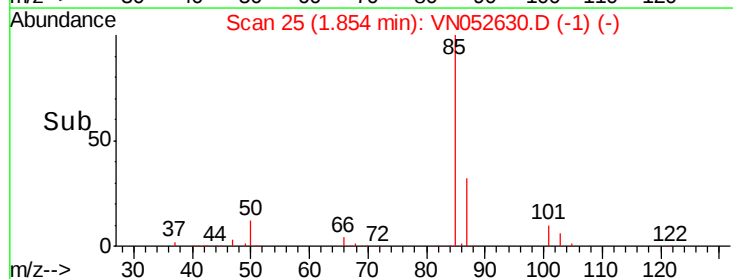
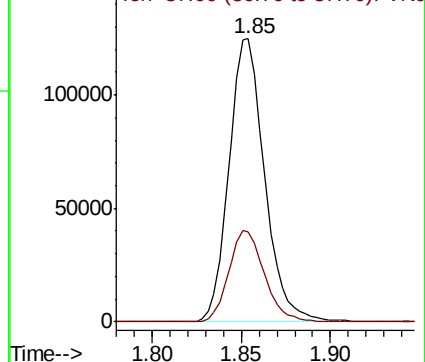
Ion Ratio Lower Upper

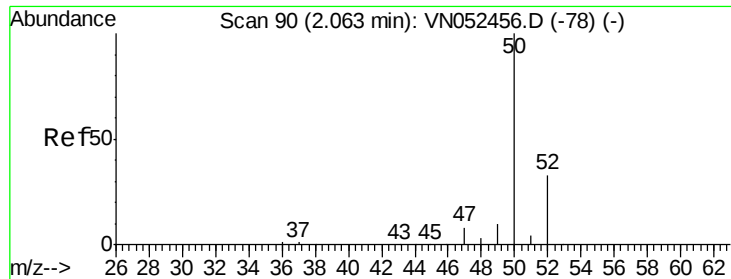
85 100

87 31.9 16.1 48.3



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





#3

Chloromethane

Concen: 18.209 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

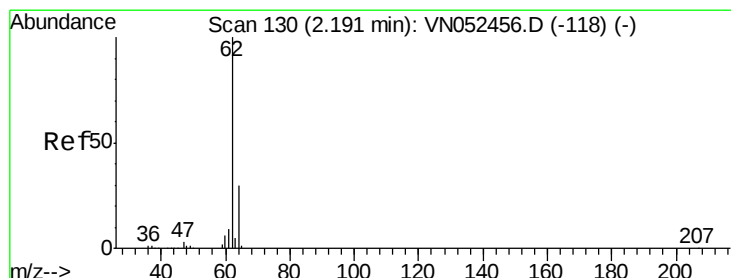
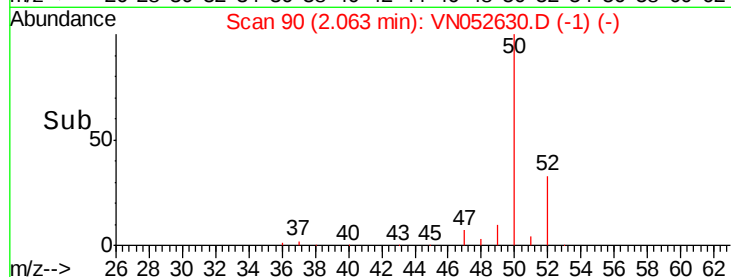
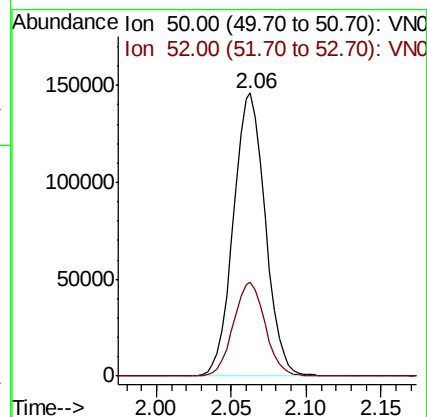
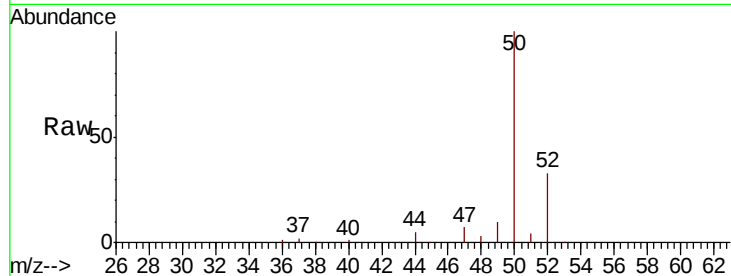
VN1203WBS02

Tot Ion: 50 Resp: 216780

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#4

Vinyl Chloride

Concen: 18.712 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052630.D

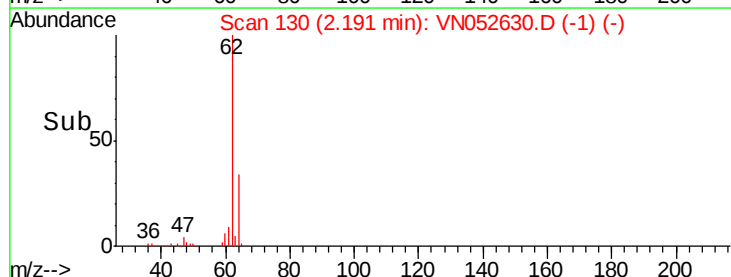
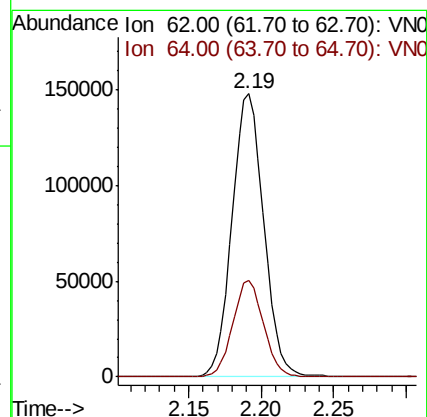
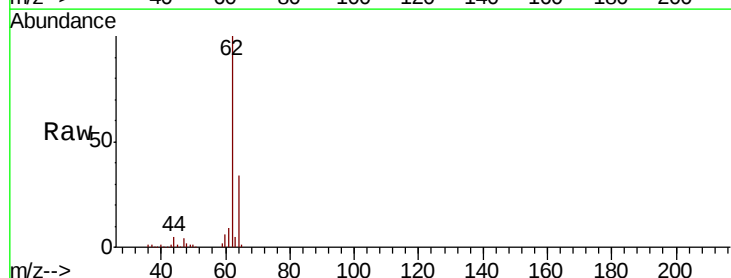
Acq: 3 Dec 2018 14:42

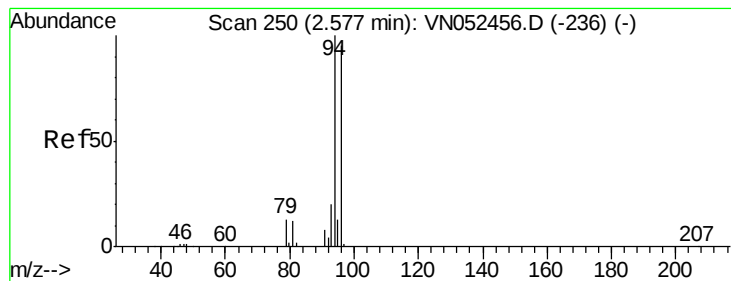
Tgt Ion: 62 Resp: 224835

Ion Ratio Lower Upper

62 100

64 34.0 24.2 36.4





#5

Bromomethane

Concen: 20.623 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

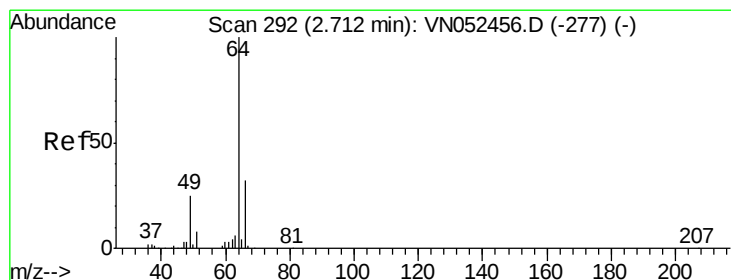
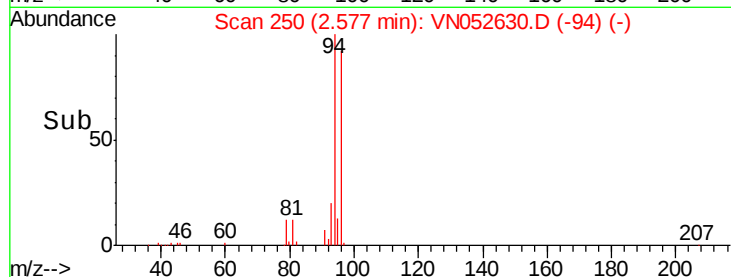
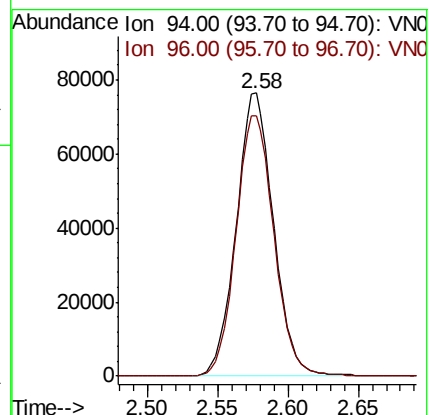
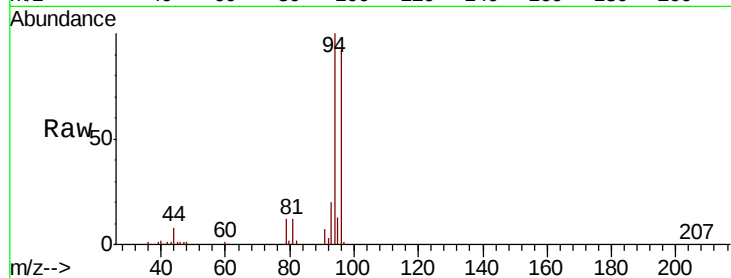
VN1203WBS02

Tot Ion: 94 Resp: 141291

Ion Ratio Lower Upper

94 100

96 92.0 76.2 114.2



#6

Chloroethane

Concen: 19.021 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052630.D

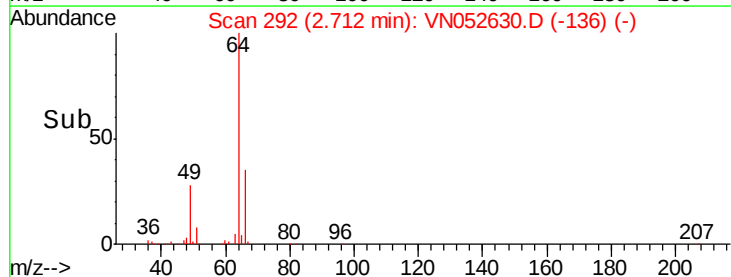
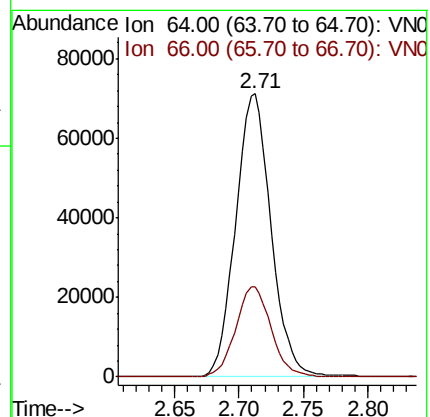
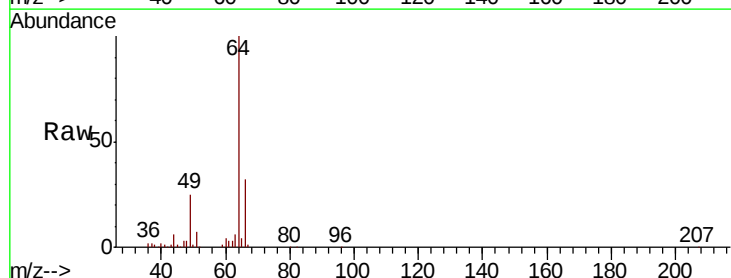
Acq: 3 Dec 2018 14:42

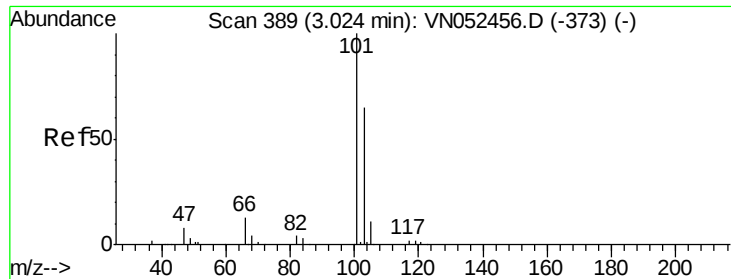
Tgt Ion: 64 Resp: 135920

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



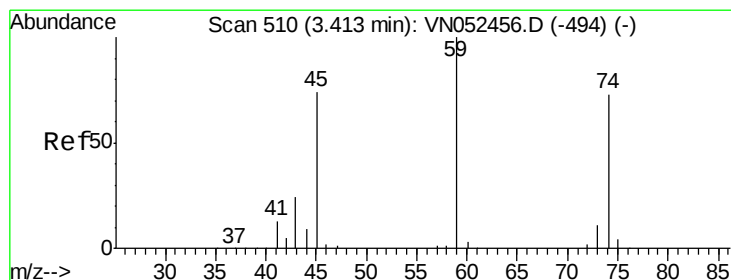
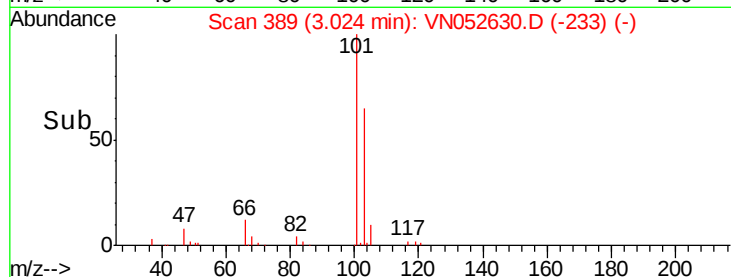
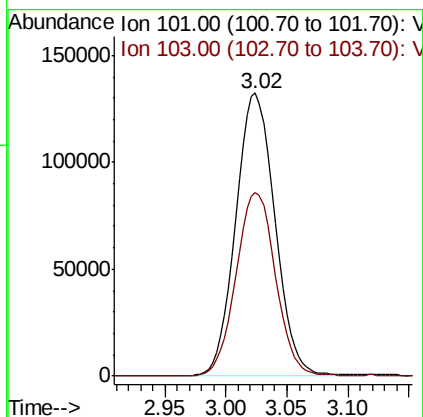
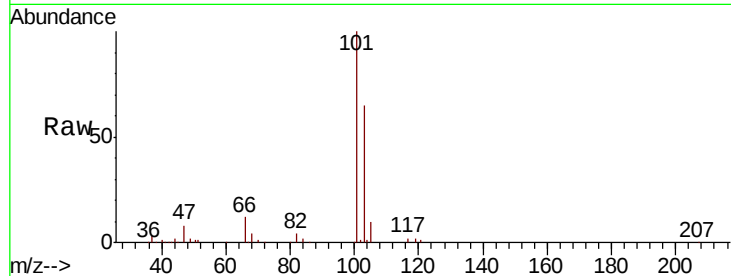


#7

Trichlorofluoromethane
 Concen: 19.922 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN1203WBS02

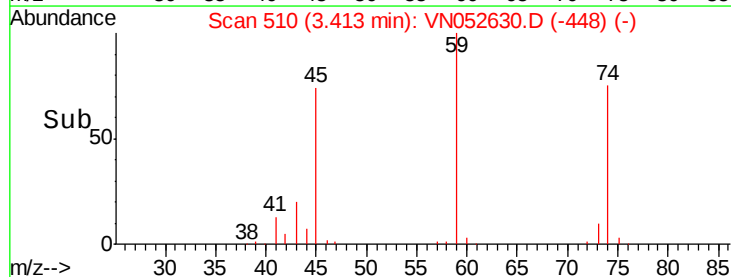
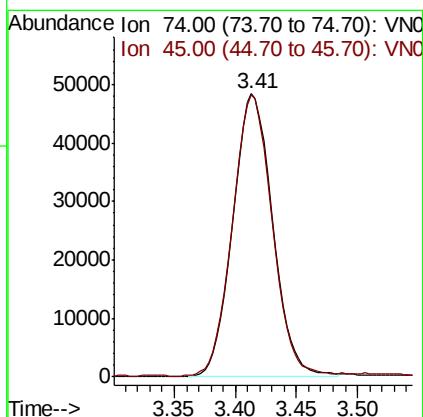
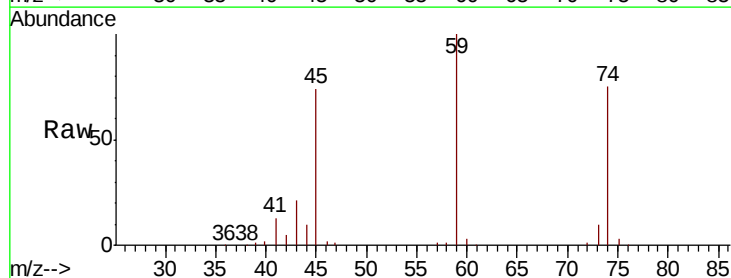
Tot Ion:101 Resp: 295424
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.1 78.1

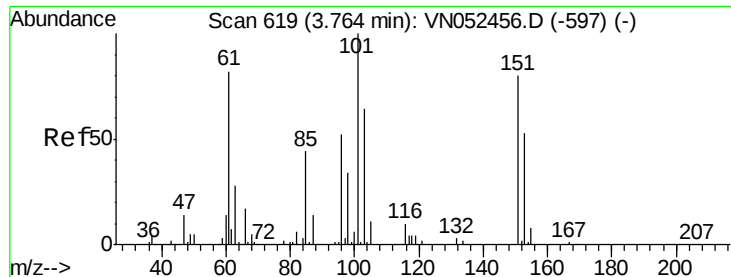


#8

Diethyl Ether
 Concen: 20.076 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 74 Resp: 109928
 Ion Ratio Lower Upper
 74 100
 45 98.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.078 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

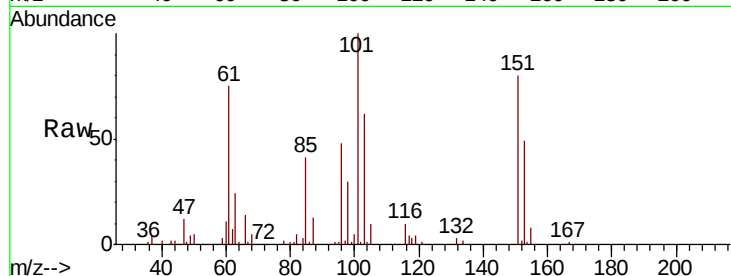
Tot Ion:101 Resp: 188748

Ion Ratio Lower Upper

101 100

85 41.5 0.0 82.6

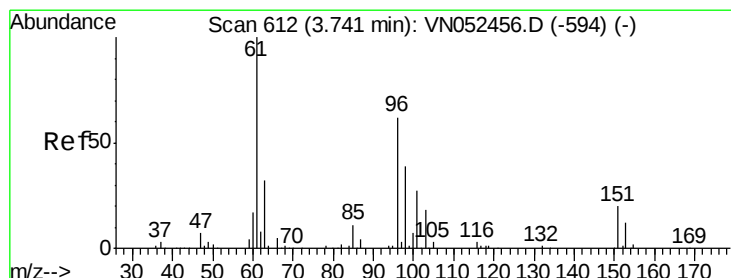
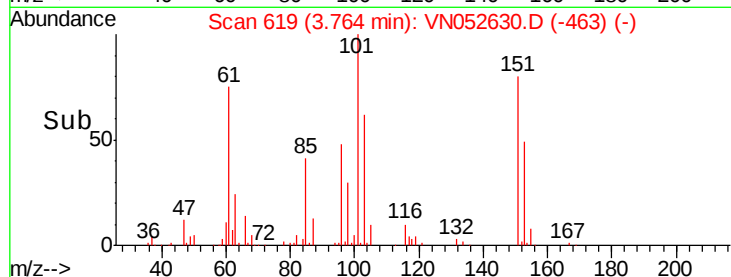
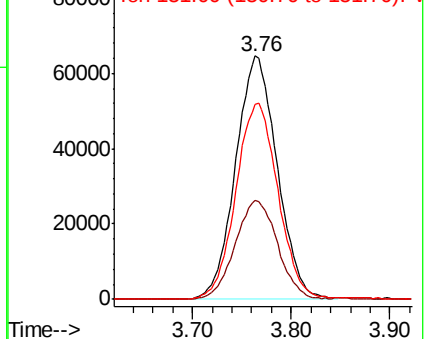
151 81.8 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.640 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

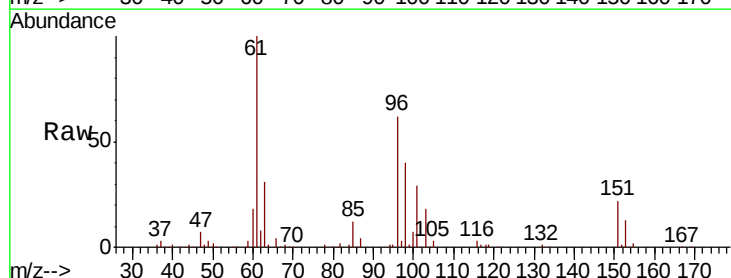
Tgt Ion: 96 Resp: 173594

Ion Ratio Lower Upper

96 100

61 160.5 129.4 194.2

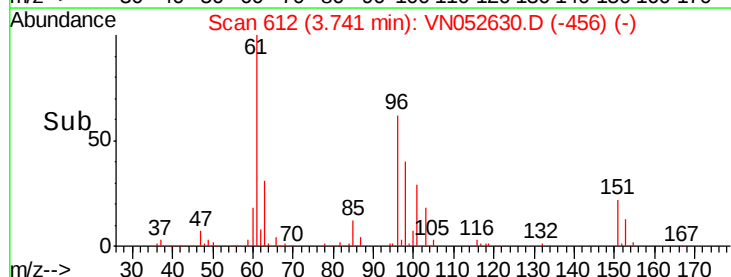
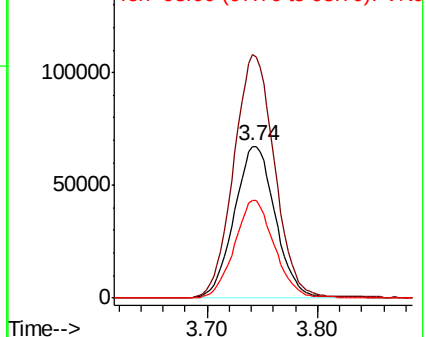
98 64.7 50.4 75.6

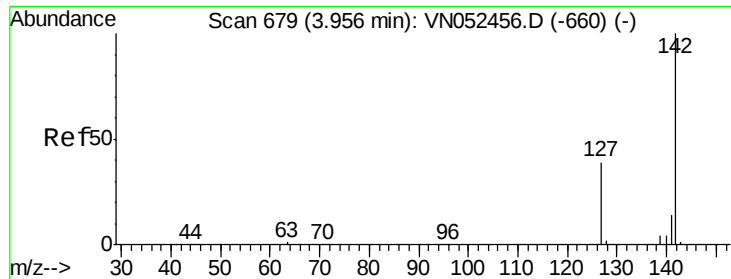


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

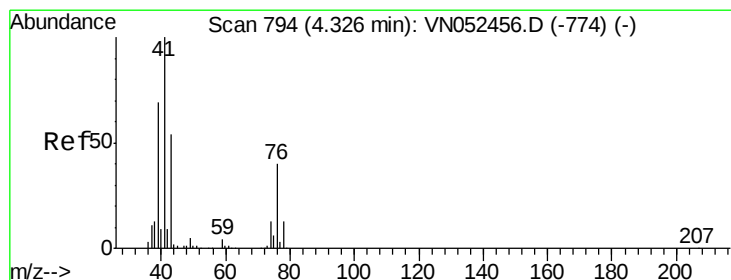
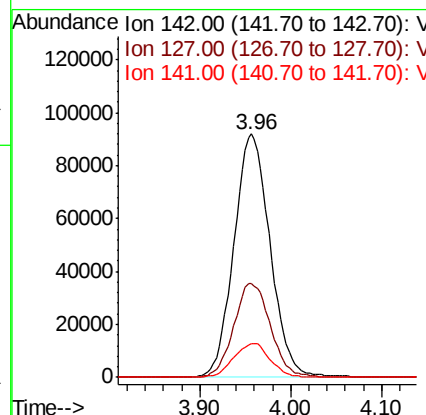
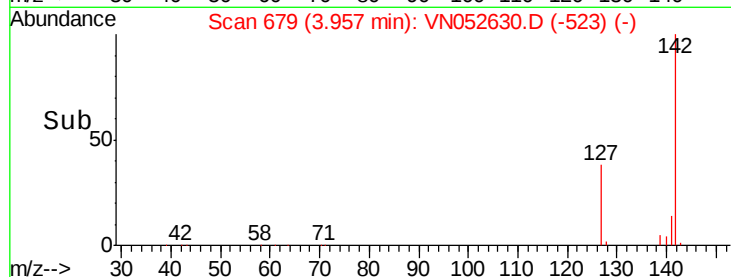
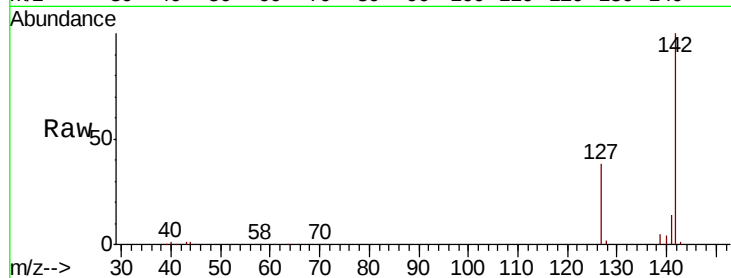




#11
Methvl Iodide
Concen: 20.683 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

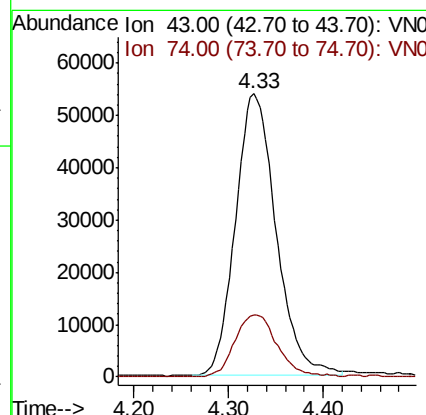
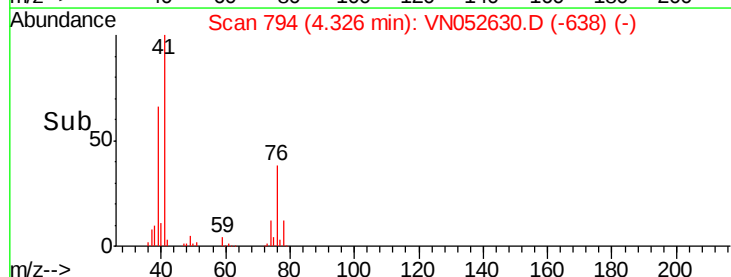
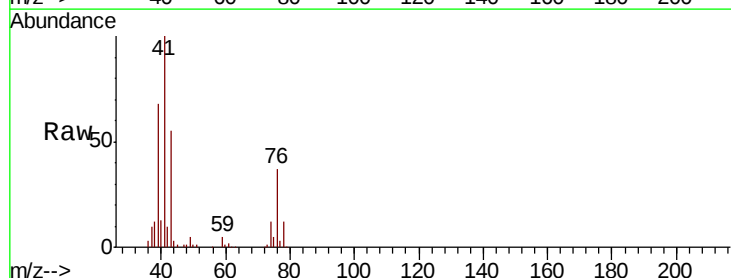
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

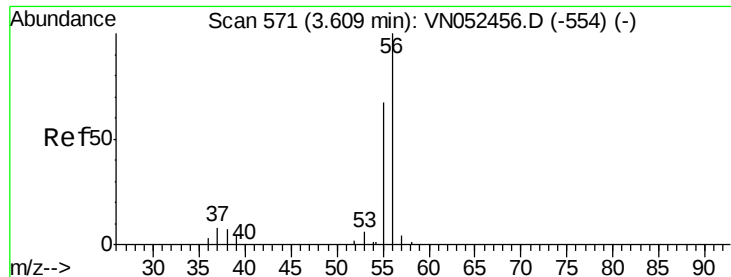
Tot Ion:142 Resp: 253824
Ion Ratio Lower Upper
142 100
127 38.5 19.4 58.1
141 14.0 7.2 21.6



#12
Methyl Acetate
Concen: 21.371 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 43 Resp: 160495
Ion Ratio Lower Upper
43 100
74 22.1 18.9 28.3





#13

Acrolein

Concen: 80.398 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

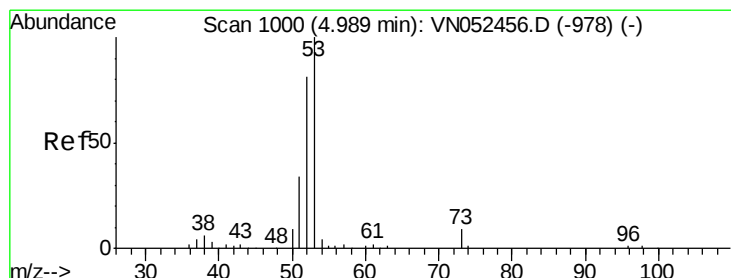
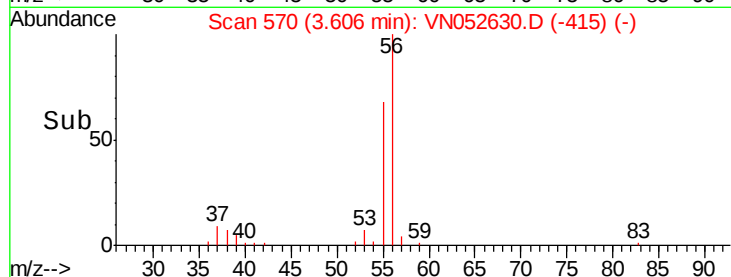
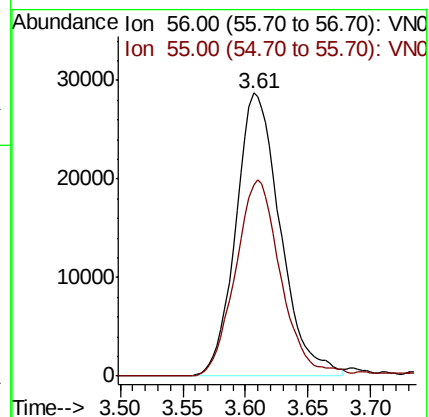
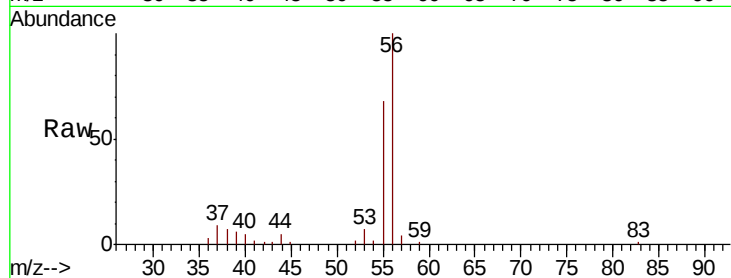
VN1203WBS02

Tot Ion: 56 Resp: 70925

Ion Ratio Lower Upper

56 100

55 70.6 56.7 85.1



#14

Acrylonitrile

Concen: 103.144 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

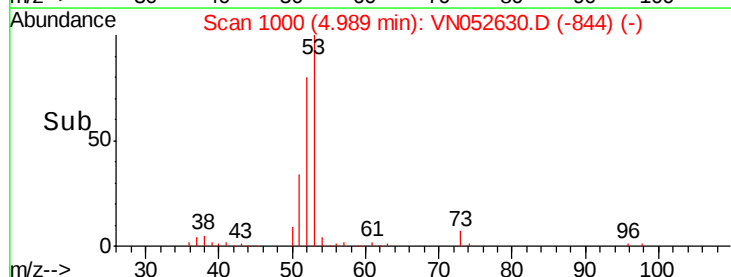
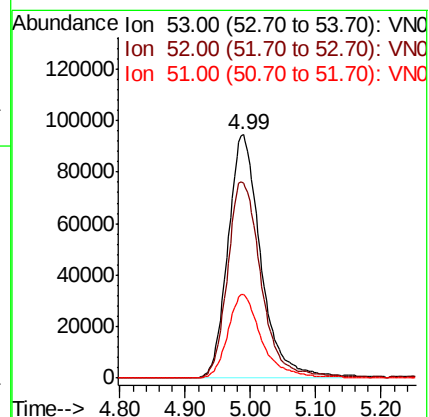
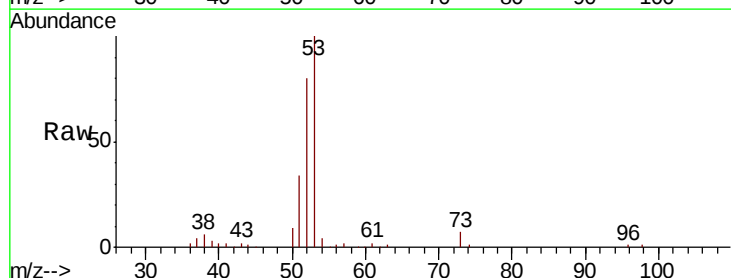
Tgt Ion: 53 Resp: 330051

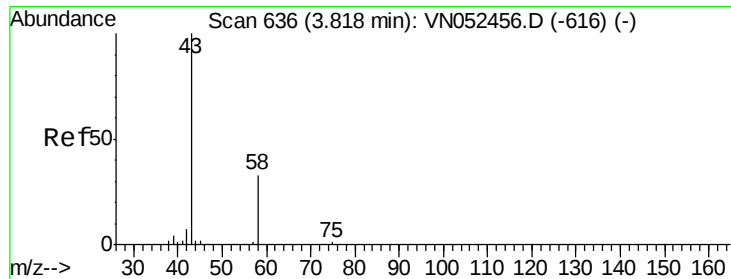
Ion Ratio Lower Upper

53 100

52 81.5 39.9 119.7

51 35.0 17.6 52.9





#15

Acetone

Concen: 106.409 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

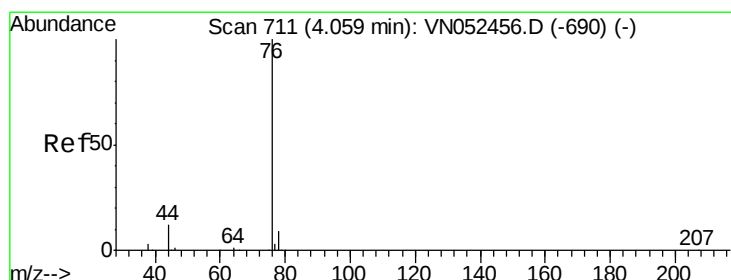
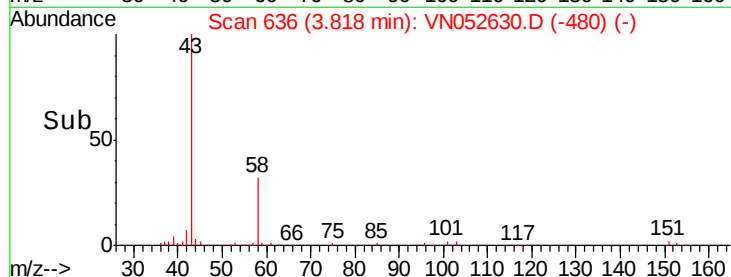
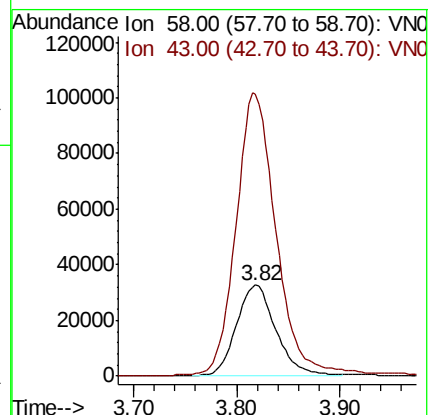
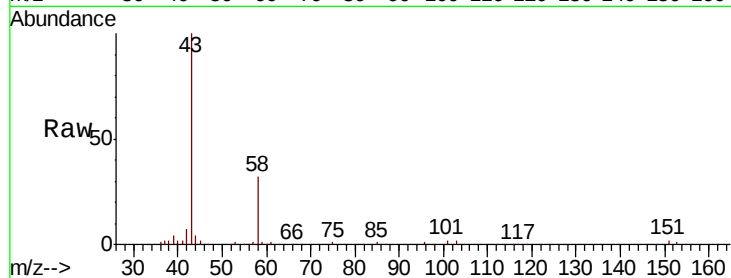
VN1203WBS02

Tot Ion: 58 Resp: 88181

Ion Ratio Lower Upper

58 100

43 308.4 243.6 365.4



#16

Carbon Disulfide

Concen: 18.131 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052630.D

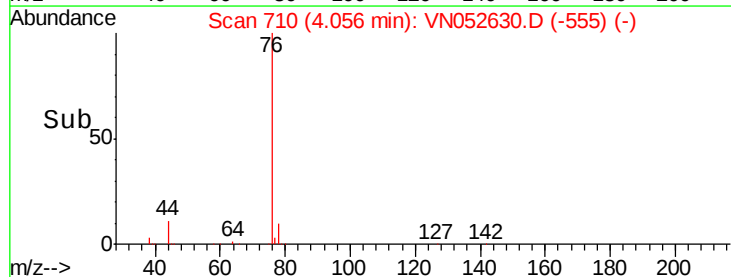
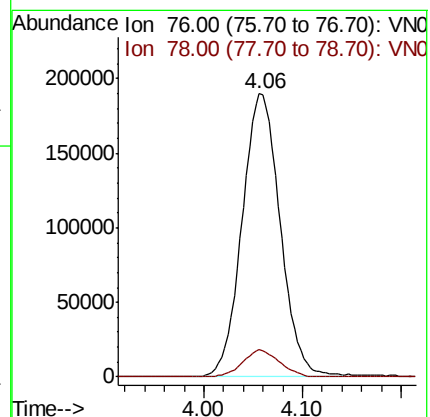
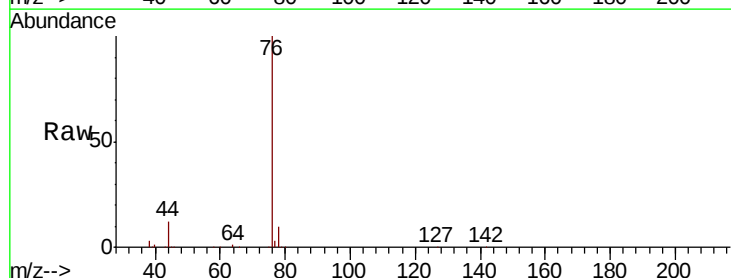
Acq: 3 Dec 2018 14:42

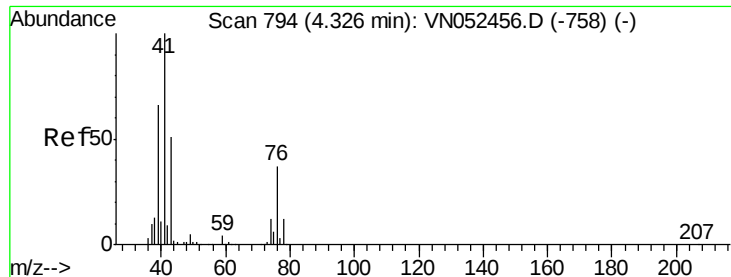
Tgt Ion: 76 Resp: 507385

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

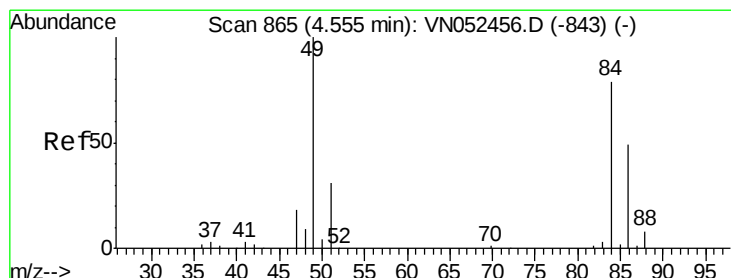
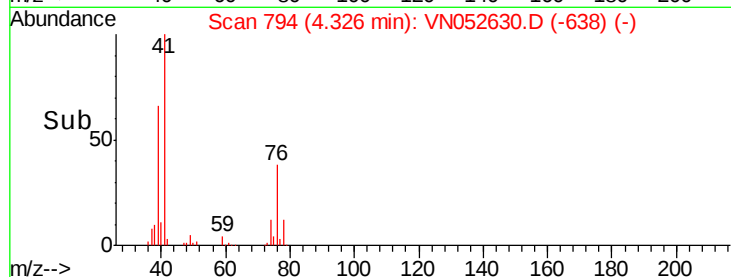
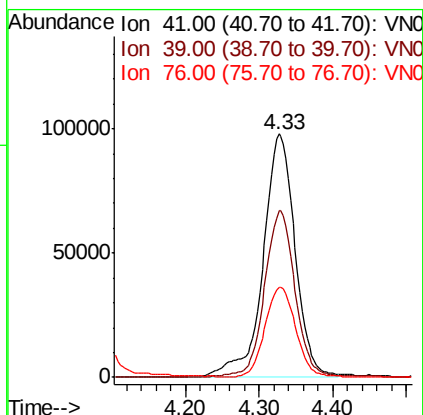
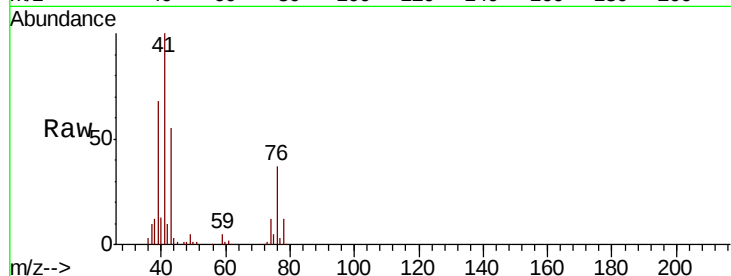




#17
Allvl chloride
Concen: 19.260 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

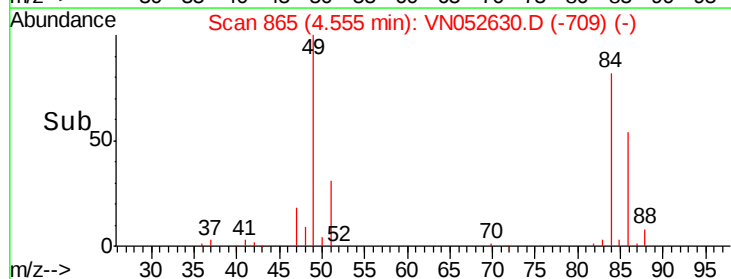
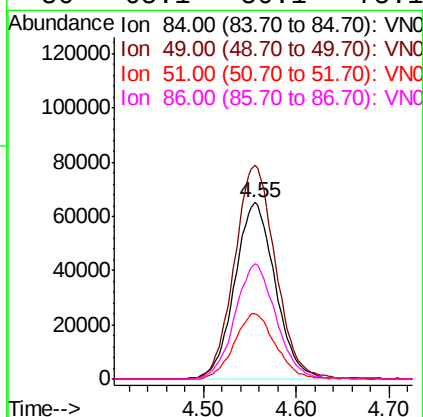
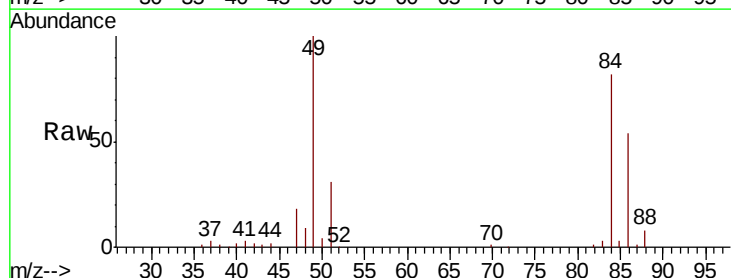
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

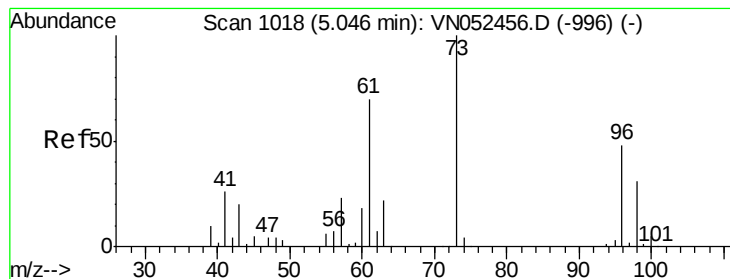
Tot Ion: 41 Resp: 296886
Ion Ratio Lower Upper
41 100
39 68.3 32.8 98.3
76 36.4 18.6 55.8



#18
Methylene Chloride
Concen: 19.285 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 84 Resp: 197368
Ion Ratio Lower Upper
84 100
49 120.9 101.4 152.0
51 37.4 31.7 47.5
86 65.1 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 19.925 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampled :

VN1203WBS02

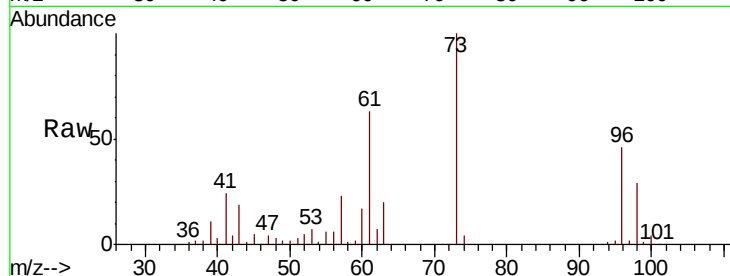
Tot Ion: 96 Resp: 189532

Ion Ratio Lower Upper

96 100

61 138.1 118.2 177.4

98 62.4 51.4 77.2

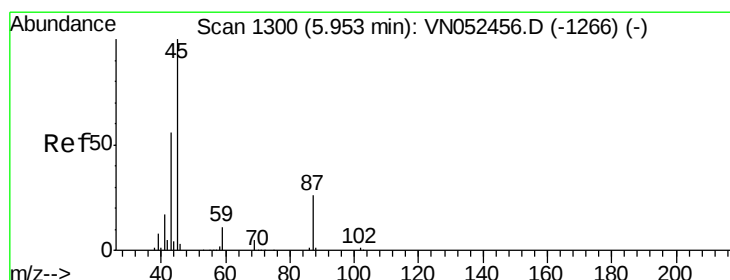
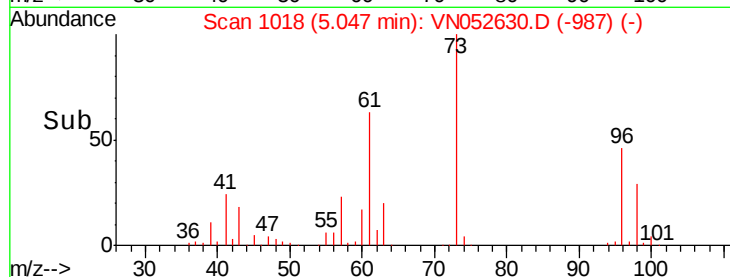
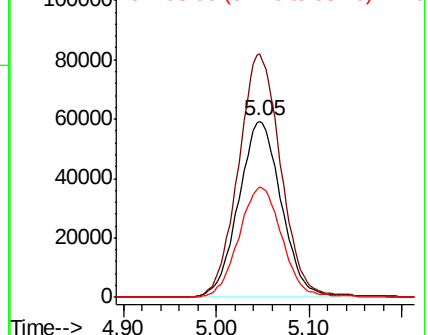


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.132 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Tgt Ion: 45 Resp: 619749

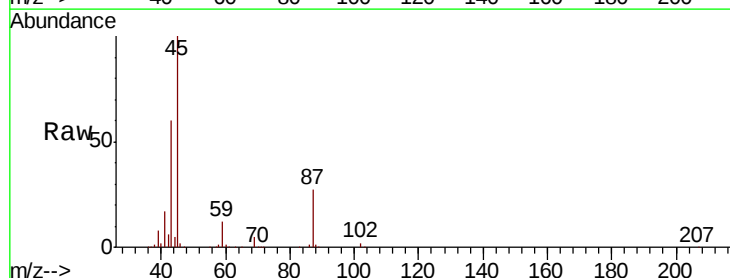
Ion Ratio Lower Upper

45 100

43 57.5 47.8 71.8

87 26.9 21.3 31.9

59 11.8 8.9 13.3



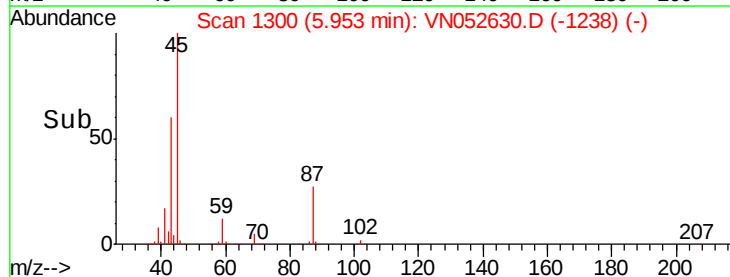
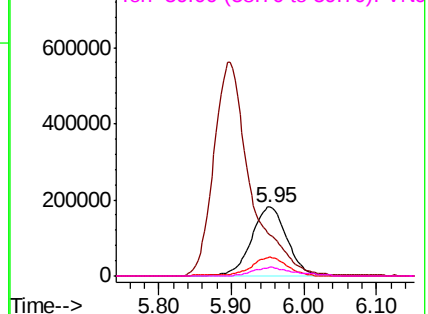
Abundance

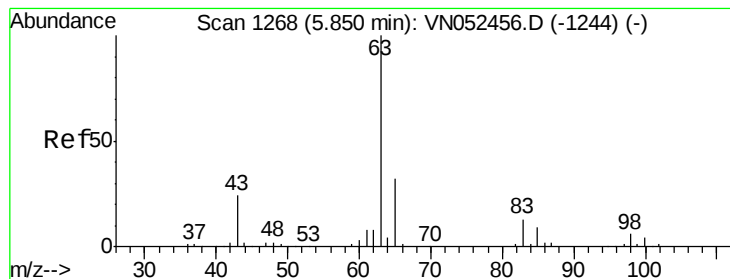
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.525 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

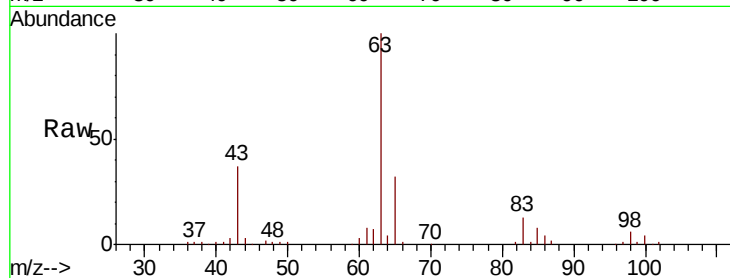
Tot Ion: 63 Resp: 360485

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

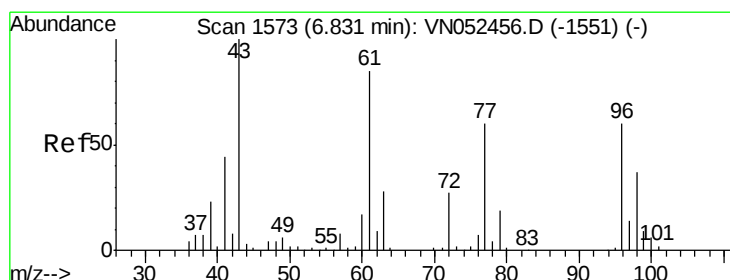
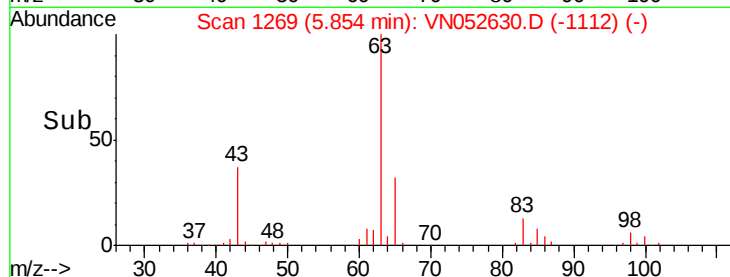
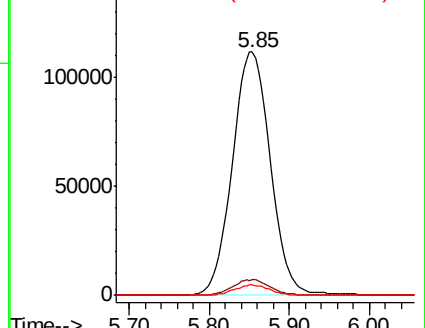
100 4.2 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN052630.D (-1268) (-)

Ion 98.00 (97.70 to 98.70): VN052630.D (-1268) (-)

Ion 100.00 (99.70 to 100.70): VN052630.D (-1268) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.937 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

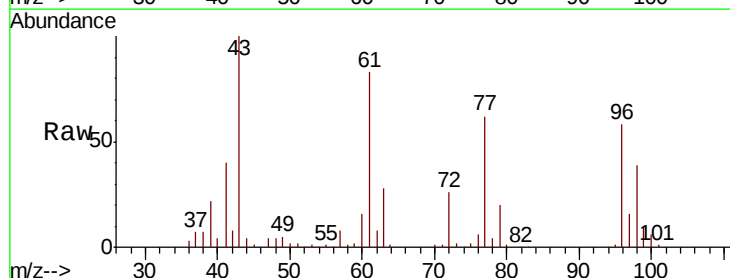
Tgt Ion: 96 Resp: 217344

Ion Ratio Lower Upper

96 100

61 143.5 116.7 175.1

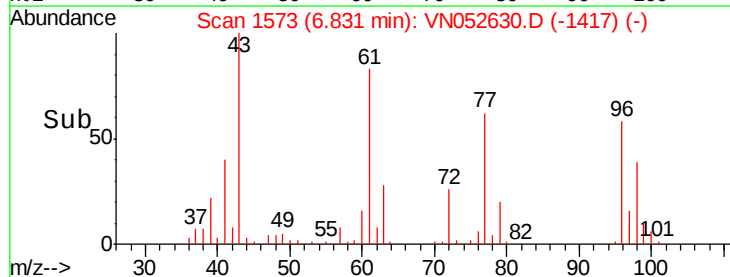
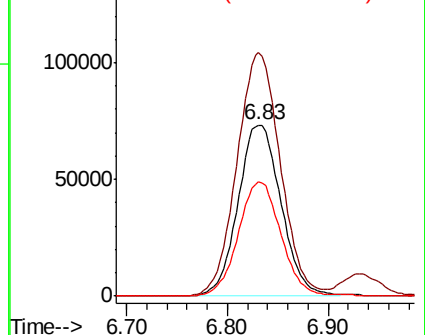
98 65.8 50.8 76.2

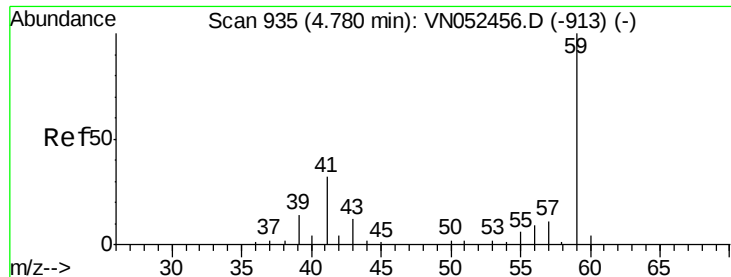


Abundance Ion 96.00 (95.70 to 96.70): VN052630.D (-1573) (-)

Ion 61.00 (60.70 to 61.70): VN052630.D (-1573) (-)

Ion 98.00 (97.70 to 98.70): VN052630.D (-1573) (-)

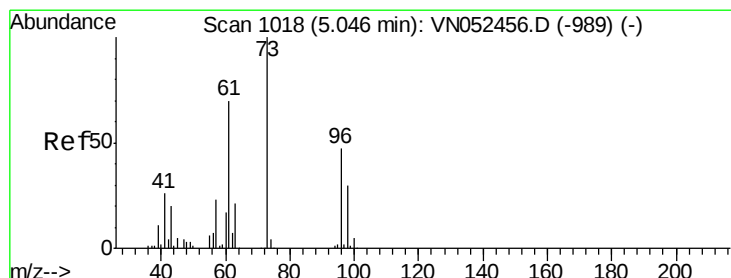
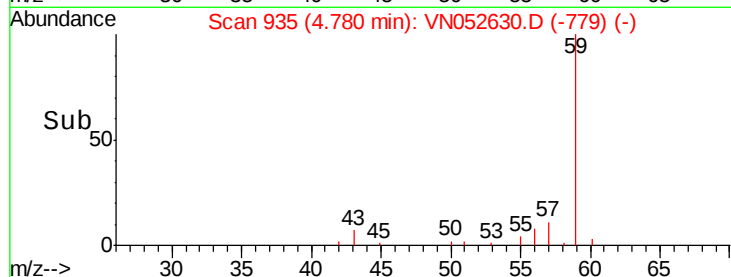
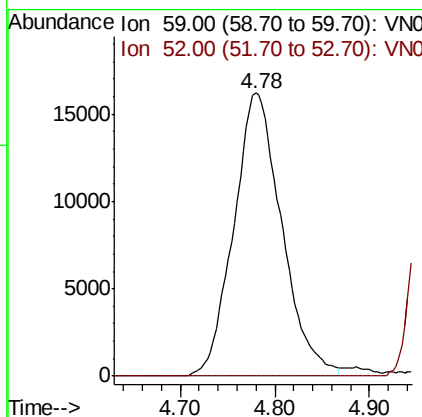
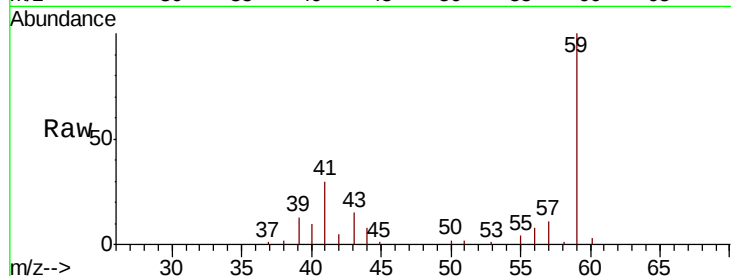




#23
 tert-Butyl Alcohol
 Concen: 120.089 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

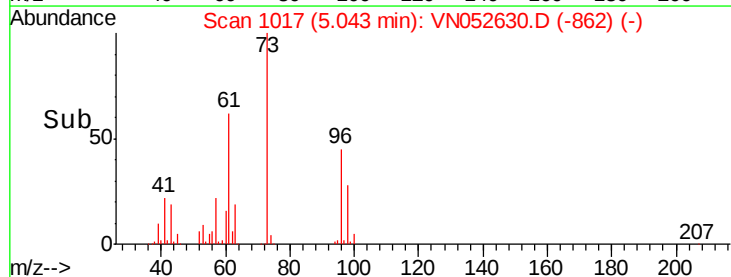
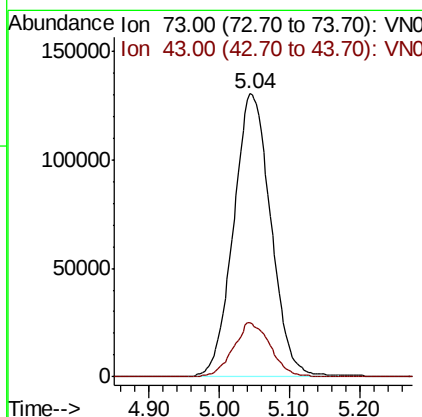
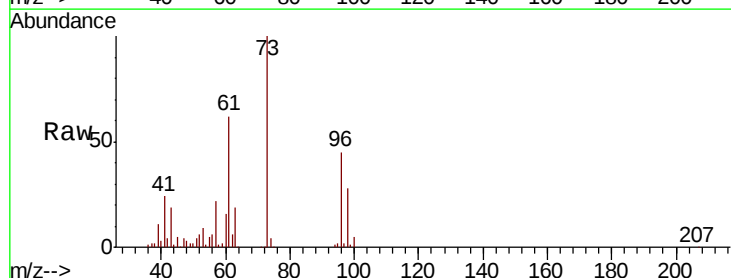
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

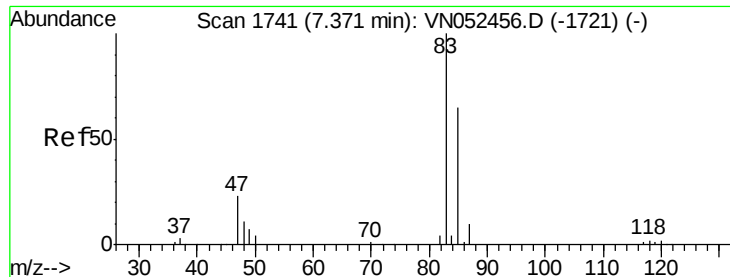
Tot Ion: 59 Resp: 57164
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#



#24
 Methyl tert-Butyl Ether
 Concen: 20.773 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 73 Resp: 481679
 Ion Ratio Lower Upper
 73 100
 43 19.2 15.8 23.8

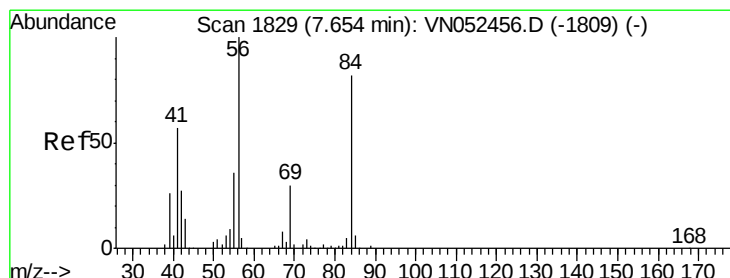
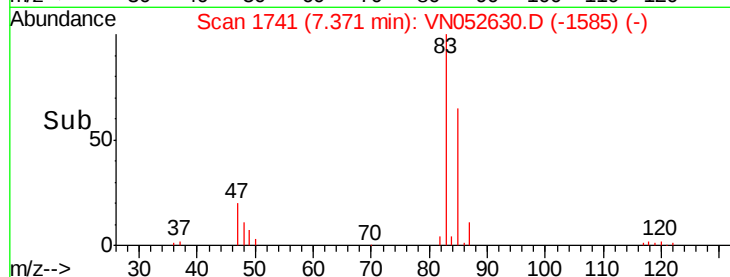
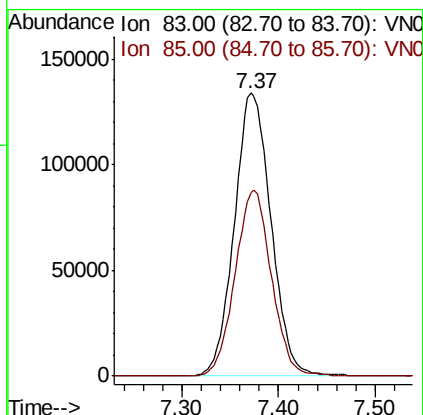
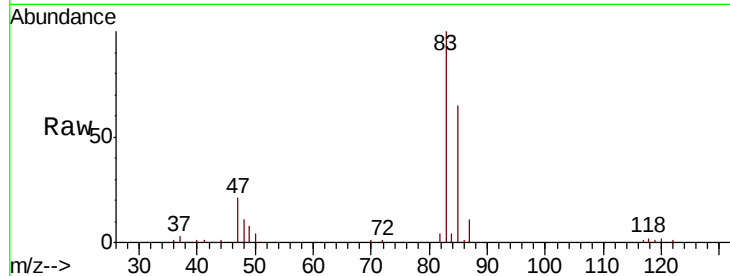




#25
Chloroform
Concen: 19.846 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

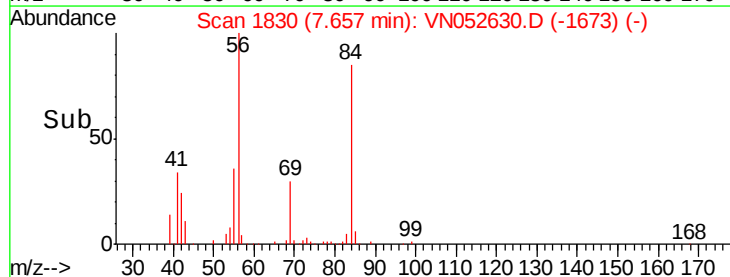
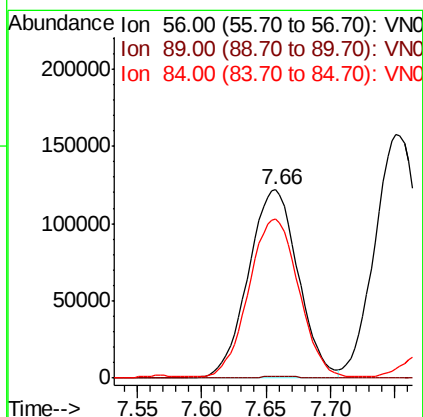
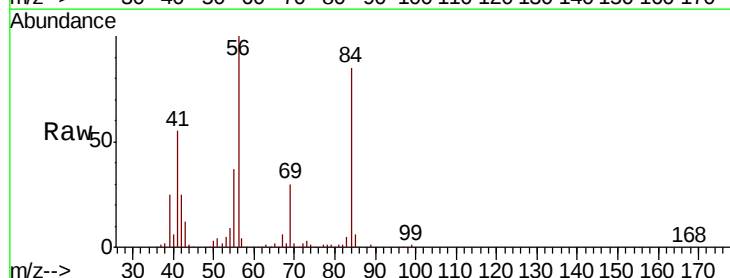
Instrument :
MSVOA_N
ClientSampled :
VN1203WBS02

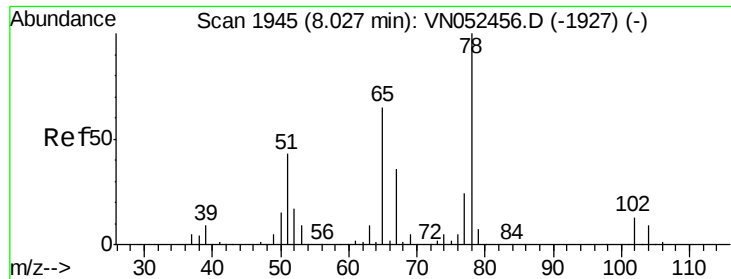
Tot Ion: 83 Resp: 353484
Ion Ratio Lower Upper
83 100
85 64.8 51.7 77.5



#26
Cyclohexane
Concen: 18.877 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 56 Resp: 328711
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 85.3 66.2 99.2

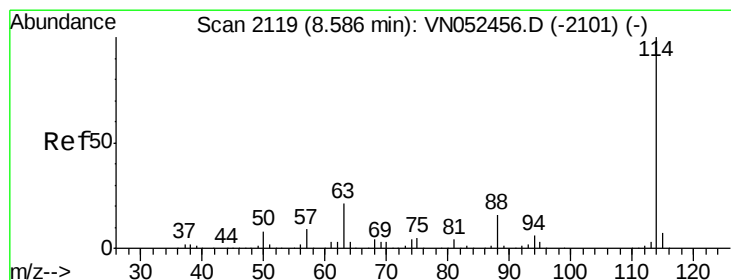
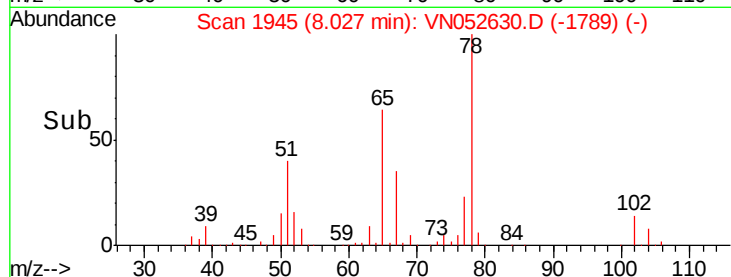
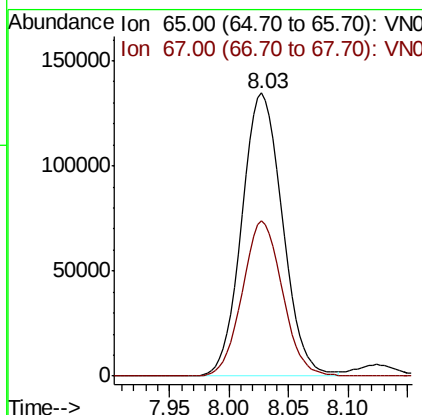
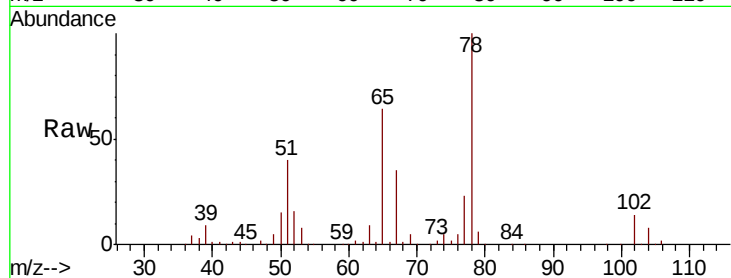




#27
 1,2-Dichloroethane-d4
 Concen: 18.877 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

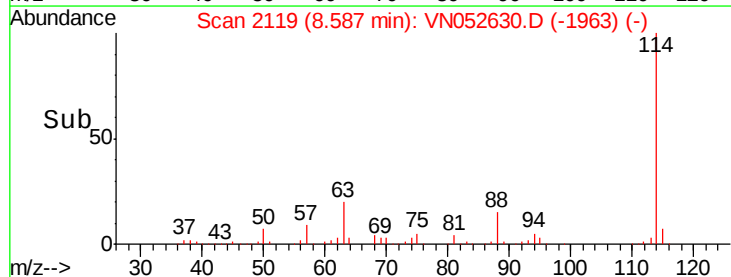
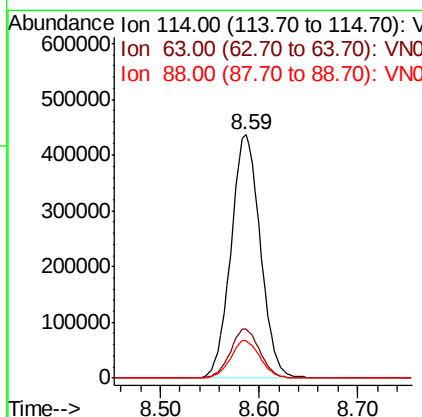
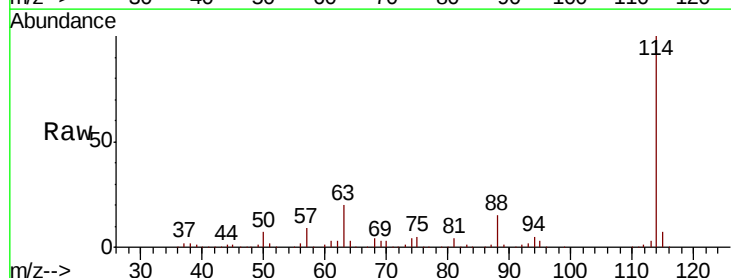
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

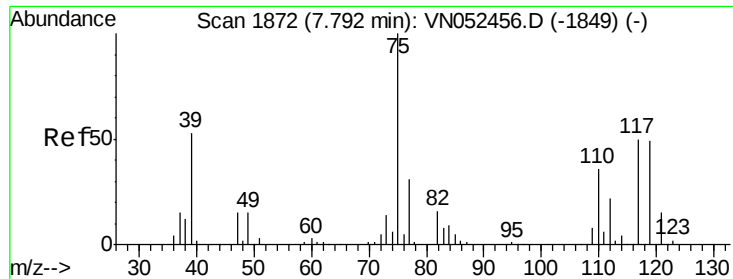
Tot Ion: 65 Resp: 319877
 Ion Ratio Lower Upper
 65 100
 67 53.9 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 114 Resp: 906804
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.9 25.3
 88 15.4 12.8 19.2

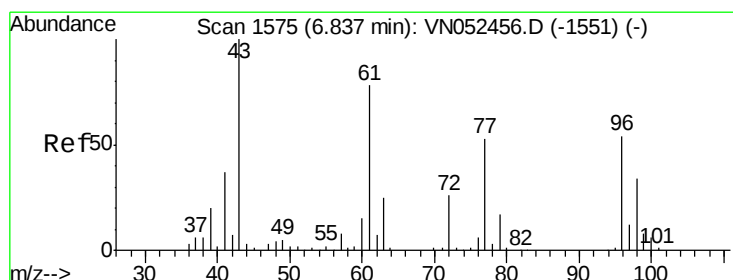
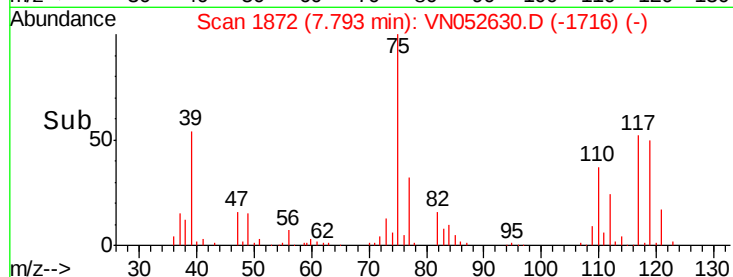
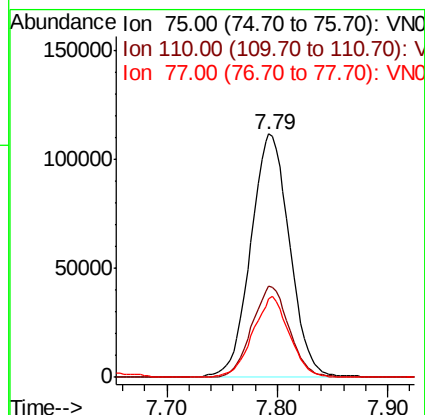
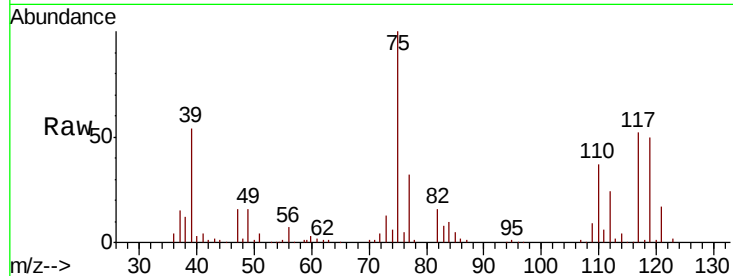




#29
 1,1-Dichloropropene
 Concen: 19.607 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

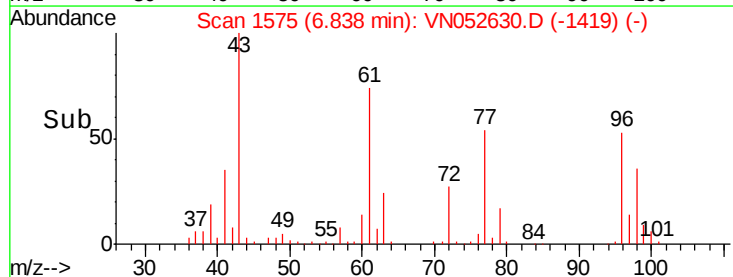
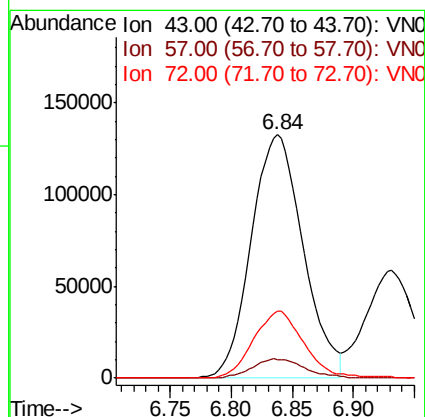
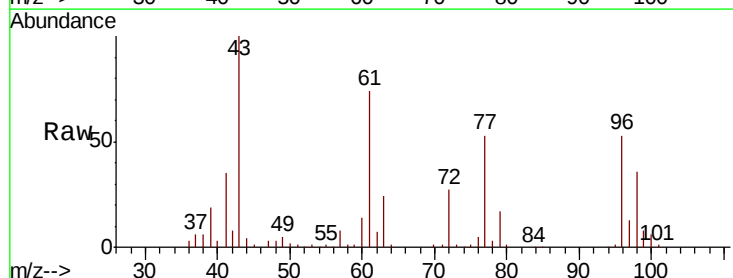
Instrument :
 MSVOA_N
 ClientSampled :
 VN1203WBS02

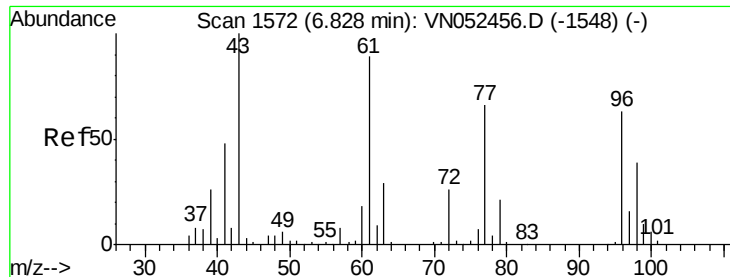
Tot Ion: 75 Resp: 271518
 Ion Ratio Lower Upper
 75 100
 110 36.2 0.0 70.2
 77 31.4 0.0 62.6



#30
 2-Butanone
 Concen: 105.339 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 43 Resp: 390328
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.2 9.4
 72 26.9 21.0 31.6

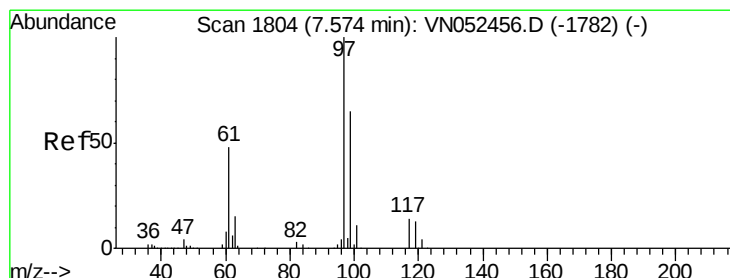
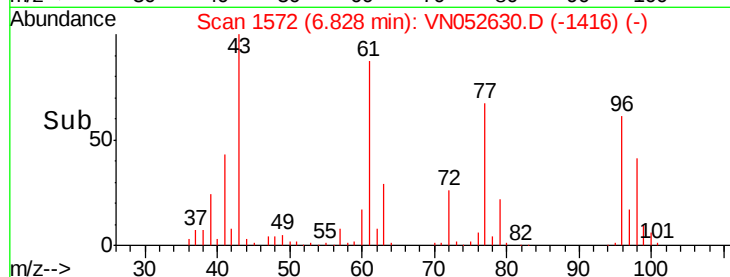
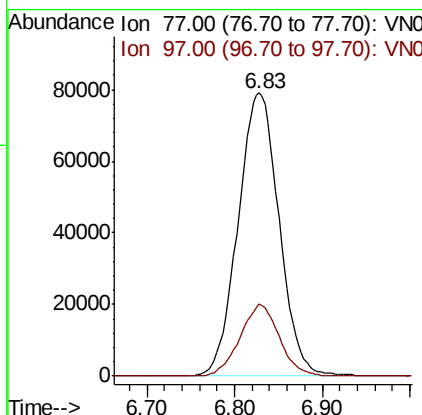
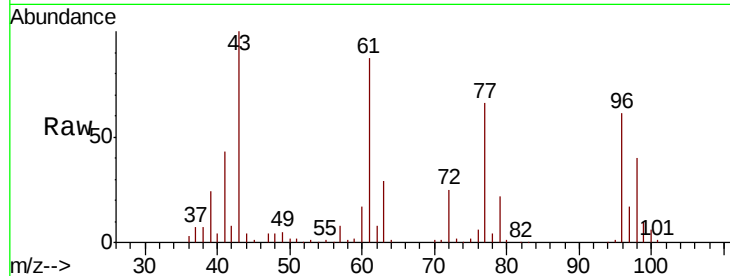




#31
 2,2-Dichloropropane
 Concen: 20.110 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

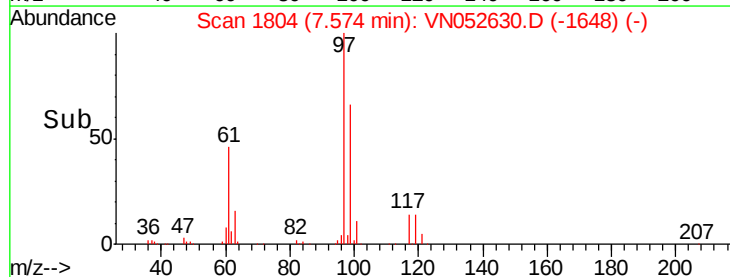
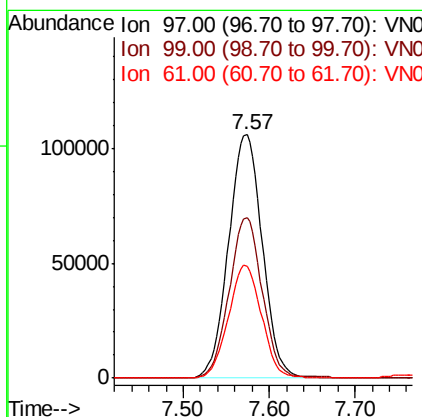
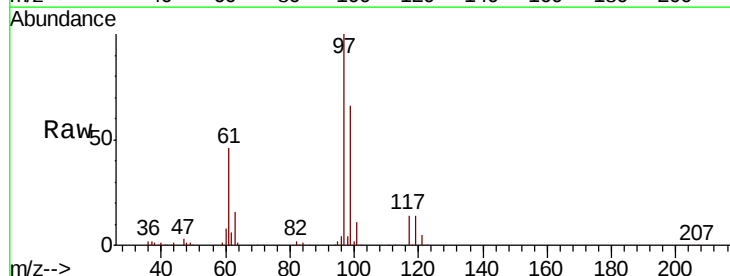
Instrument :
 MSVOA_N
 ClientSampled :
 VN1203WBS02

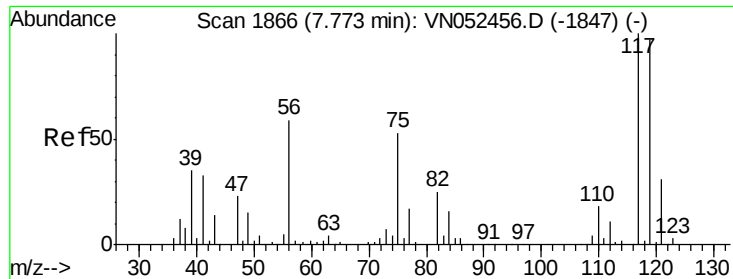
Tot Ion: 77 Resp: 256371
 Ion Ratio Lower Upper
 77 100
 97 24.5 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.149 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 97 Resp: 290324
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 45.3 38.1 57.1

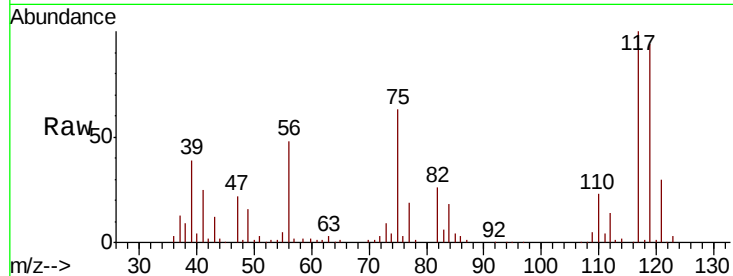




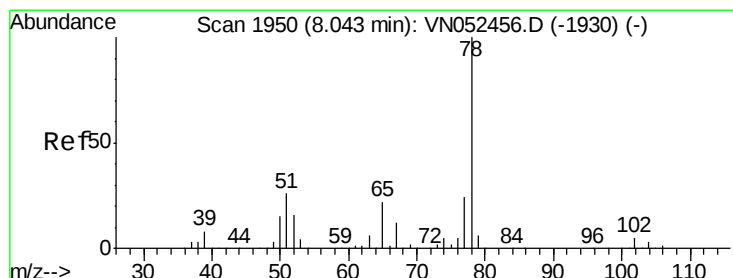
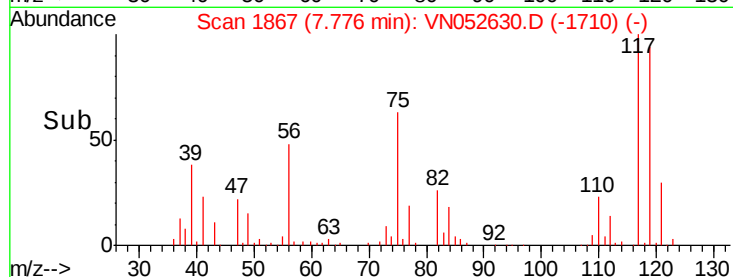
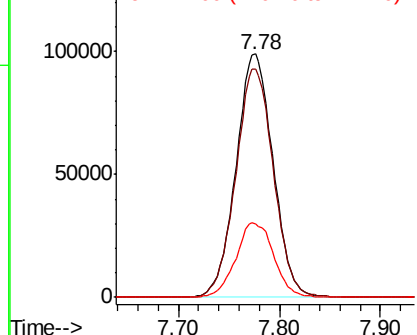
#33
Carbon Tetrachloride
Concen: 20.001 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampled :
VN1203WBS02

Tot Ion:117 Resp: 252164
Ion Ratio Lower Upper
117 100
119 93.6 77.3 115.9
121 30.1 24.9 37.3

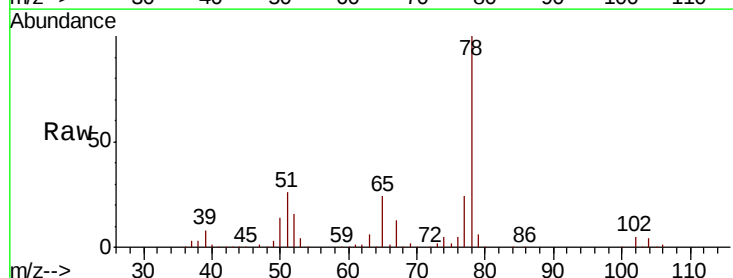


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

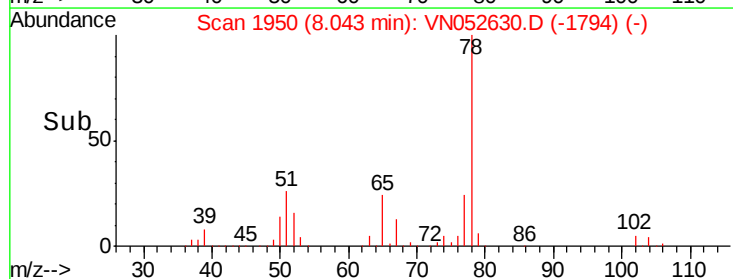
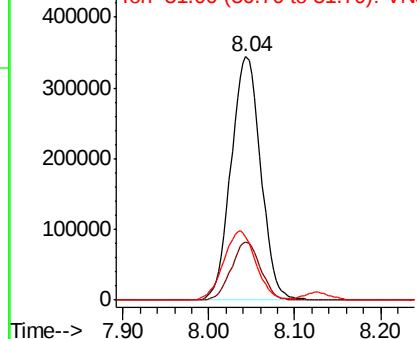


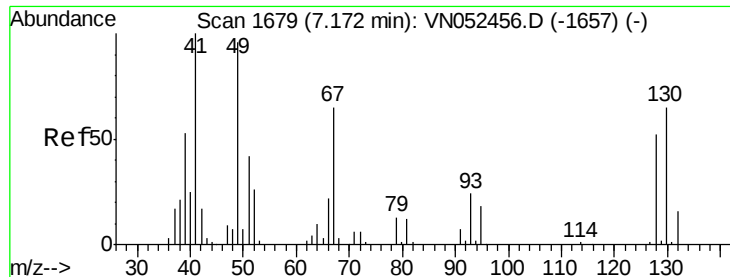
#34
Benzene
Concen: 19.818 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 78 Resp: 825098
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6
51 25.6 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

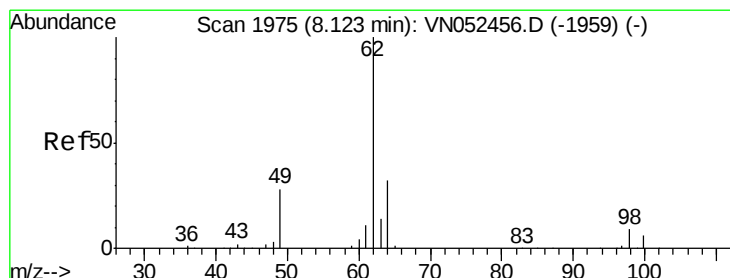
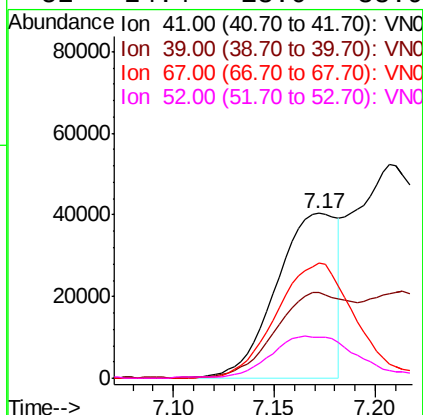
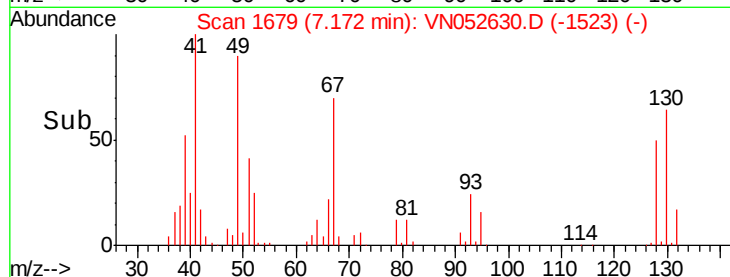
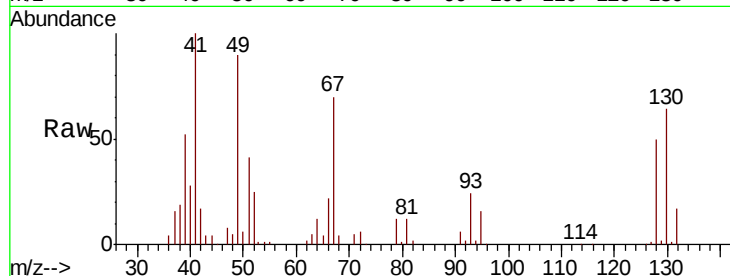




#35
Methacrylonitrile
Concen: 18.457 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

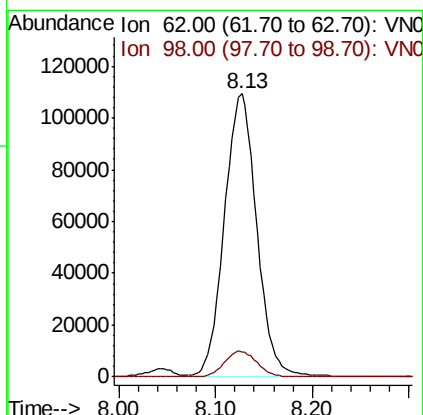
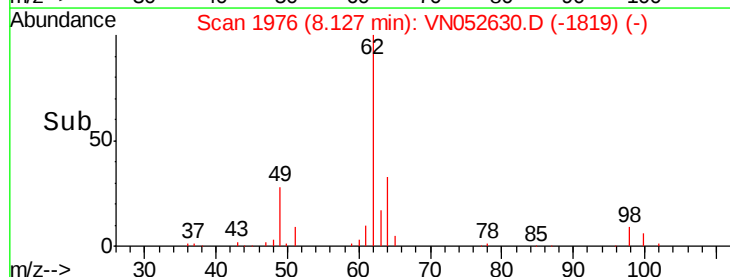
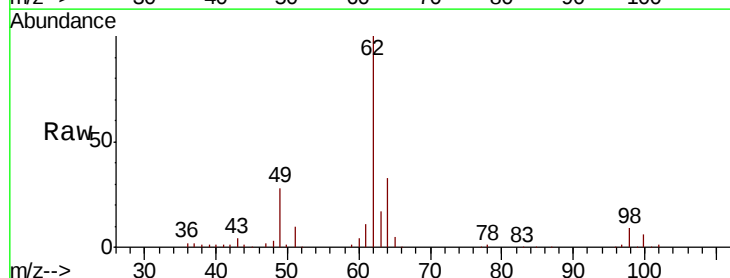
Instrument :
MSVOA_N
ClientSampled :
VN1203WBS02

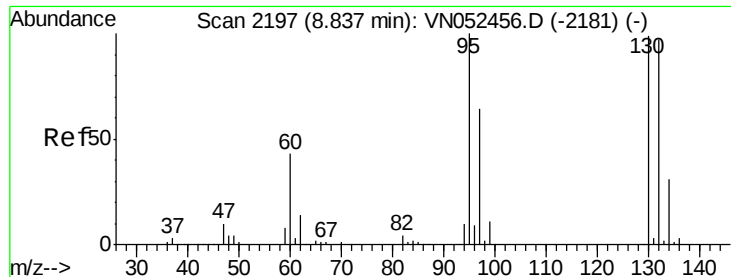
Tot Ion: 41 Resp: 84854
Ion Ratio Lower Upper
41 100
39 51.6 26.6 79.7
67 69.9 32.3 96.9
52 24.4 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.101 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 62 Resp: 253604
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2

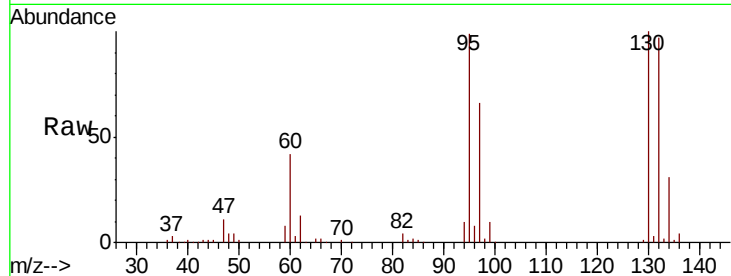




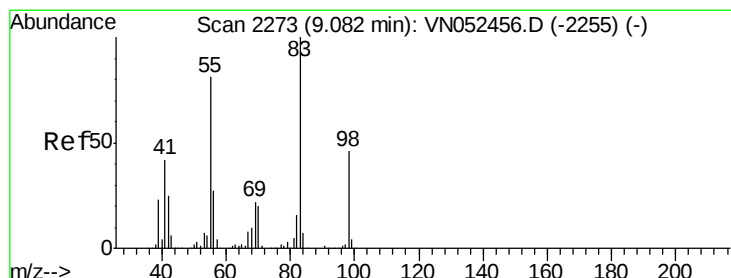
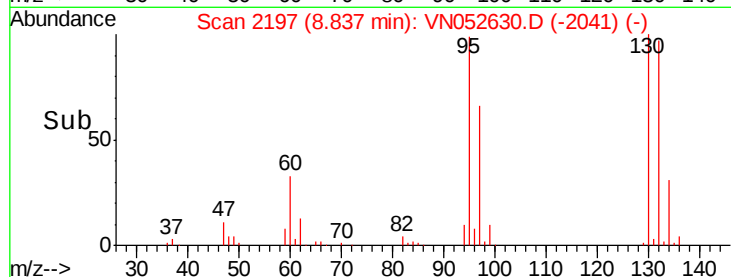
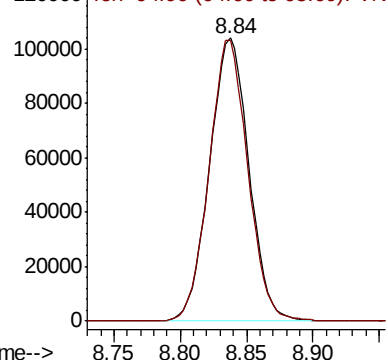
#37
 Trichloroethene
 Concen: 20.331 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

Tot Ion:130 Resp: 214643
 Ion Ratio Lower Upper
 130 100
 95 99.3 81.0 121.4

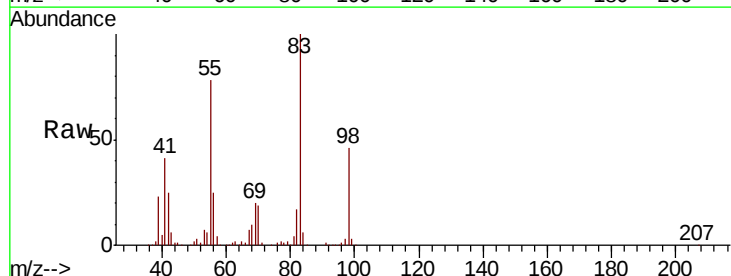


Abundance Ion 129.90 (129.60 to 130.60): VN052456.D (-2181) (-)
 Ion 94.90 (94.60 to 95.60): VN052456.D (-2181) (-)

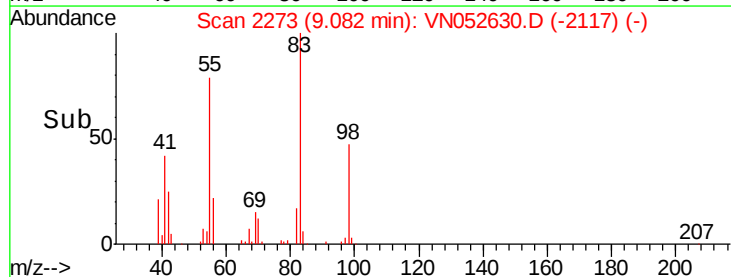
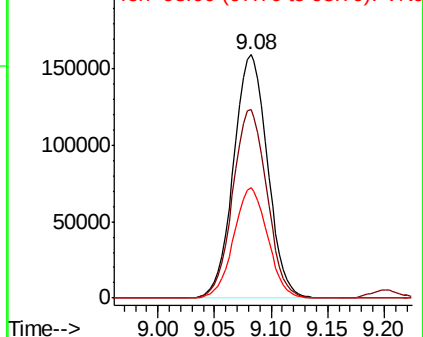


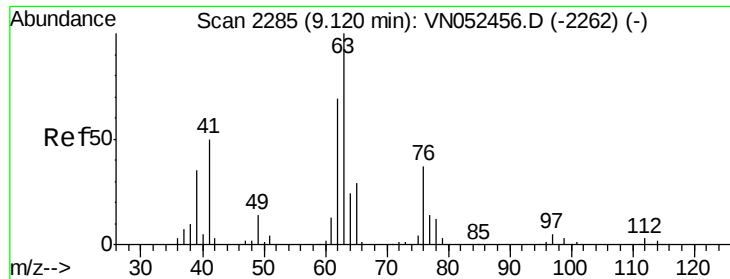
#38
 Methylcyclohexane
 Concen: 19.468 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 83 Resp: 333719
 Ion Ratio Lower Upper
 83 100
 55 77.8 39.8 119.4
 98 45.3 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN052456.D (-2255) (-)
 Ion 55.00 (54.70 to 55.70): VN052456.D (-2255) (-)
 Ion 98.00 (97.70 to 98.70): VN052456.D (-2255) (-)

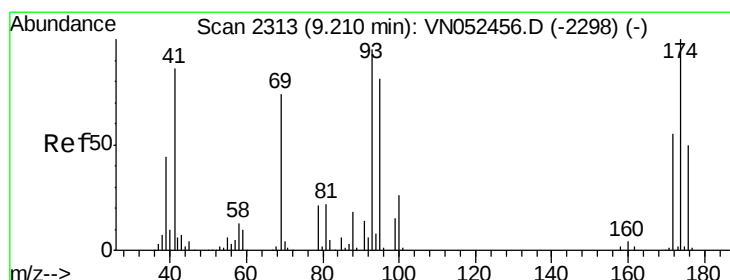
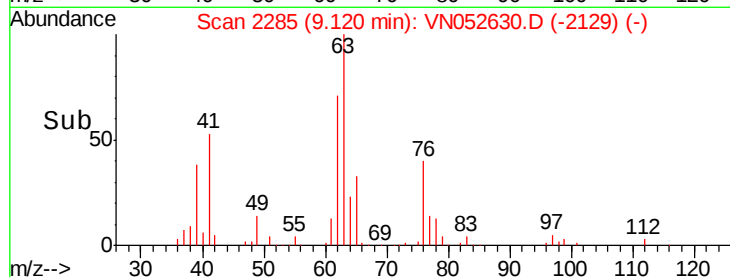
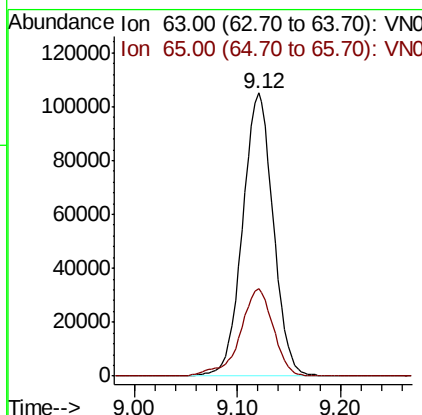
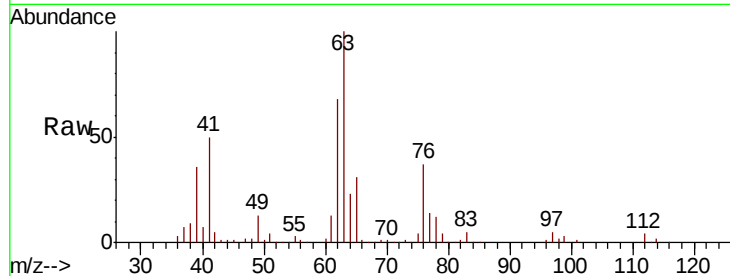




#39
 1,2-Dichloropropane
 Concen: 19.402 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

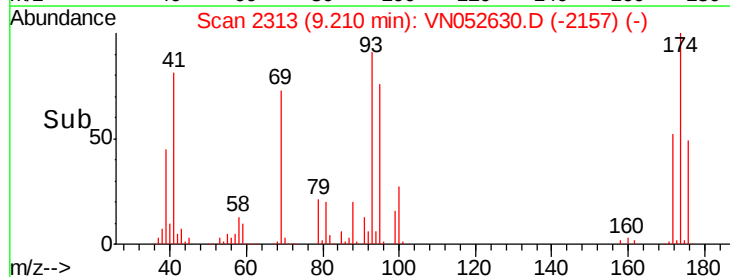
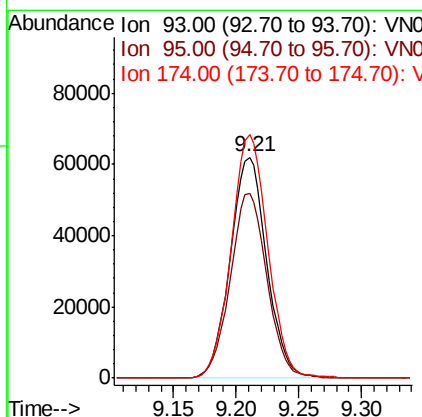
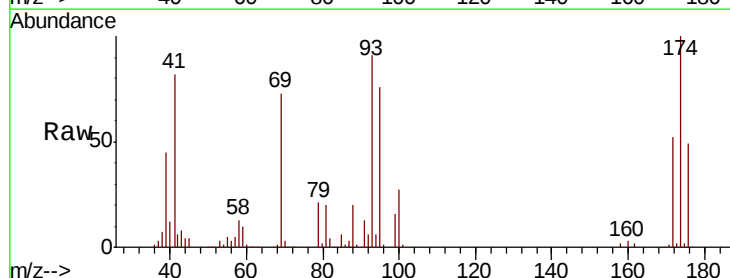
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

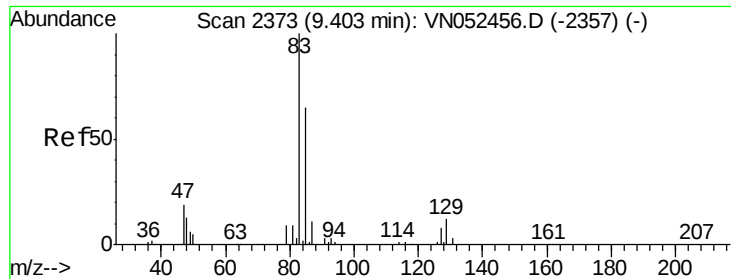
Tot Ion: 63 Resp: 216527
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.6 35.4



#40
 Dibromomethane
 Concen: 20.802 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 93 Resp: 125458
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 168.4
 174 110.7 0.0 210.0





#41

Bromodichloromethane

Concen: 19.721 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

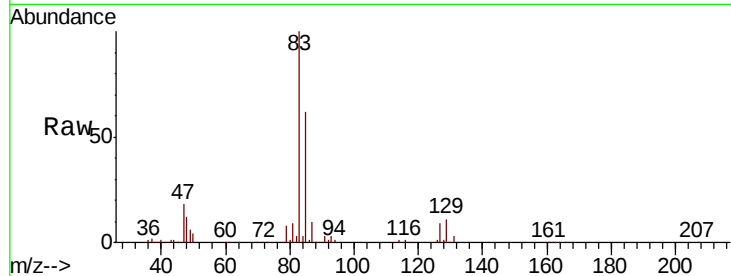
Tot Ion: 83 Resp: 262769

Ion Ratio Lower Upper

83 100

85 62.0 52.4 78.6

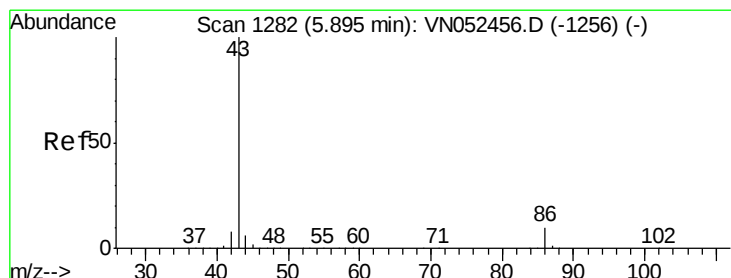
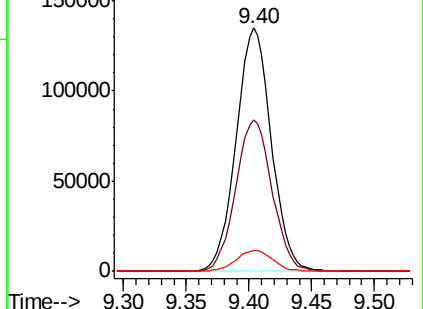
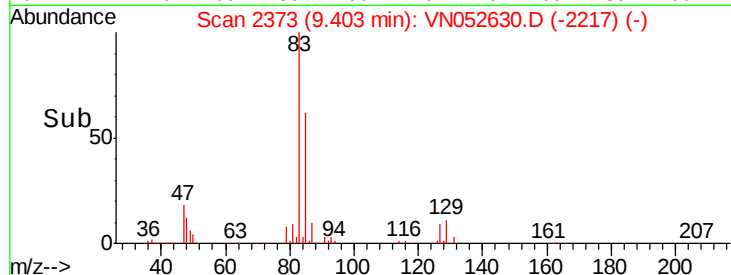
127 8.6 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052630.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052630.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052630.D (-2217) (-)



#42

Vinyl Acetate

Concen: 98.348 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052630.D

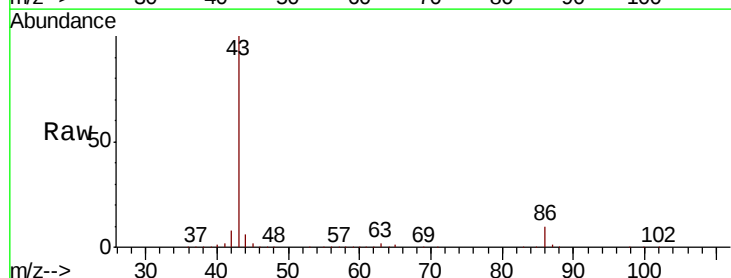
Acq: 3 Dec 2018 14:42

Tgt Ion: 43 Resp: 1971756

Ion Ratio Lower Upper

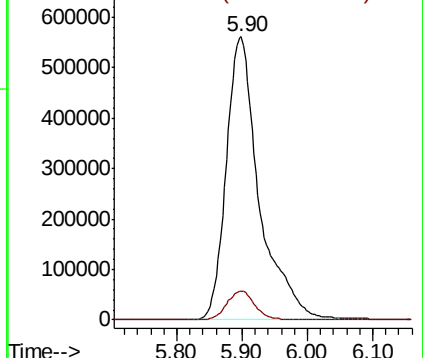
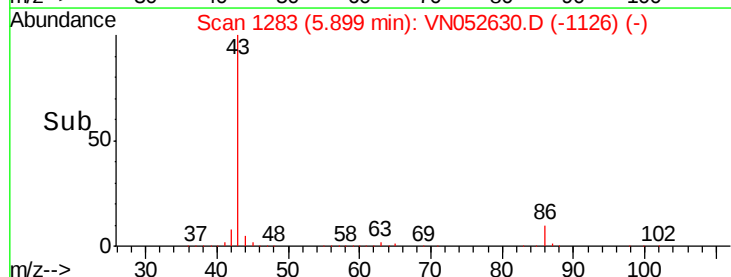
43 100

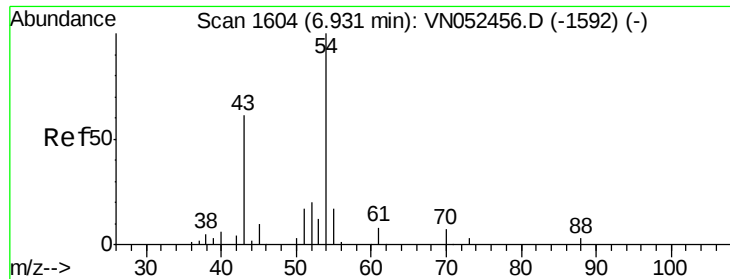
86 8.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052630.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN052630.D (-1126) (-)





#43

Ethyl Acetate

Concen: 20.427 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampled :

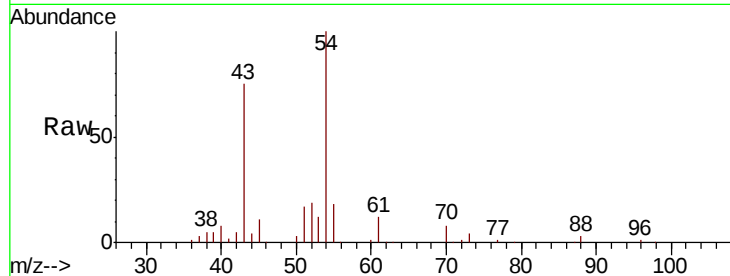
VN1203WBS02

Tot Ion: 43 Resp: 160953

Ion Ratio Lower Upper

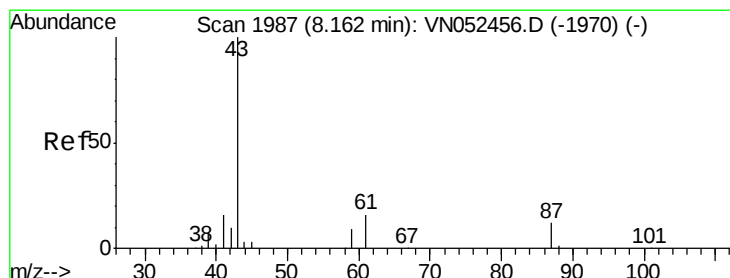
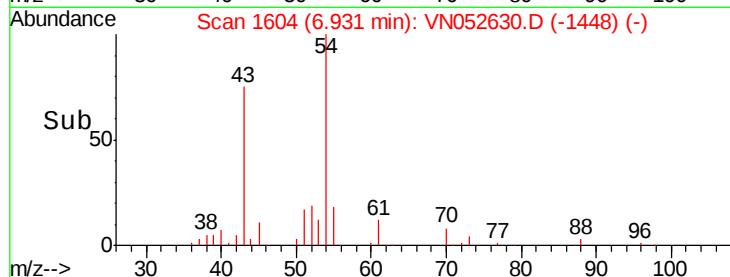
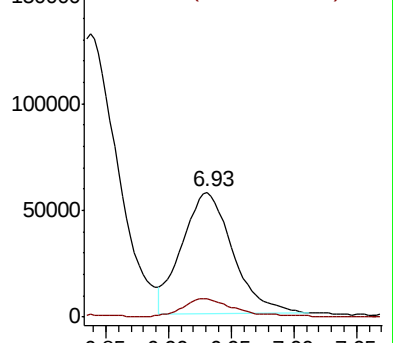
43 100

45 13.3 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 21.939 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052630.D

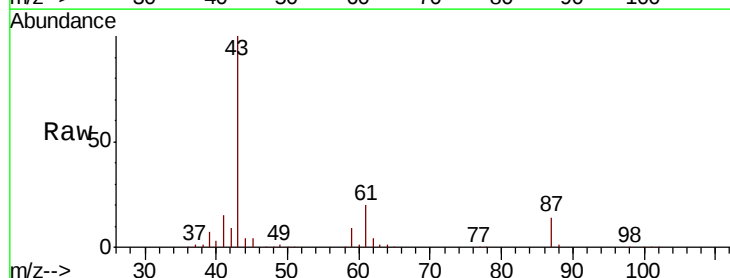
Acq: 3 Dec 2018 14:42

Tgt Ion: 43 Resp: 303163

Ion Ratio Lower Upper

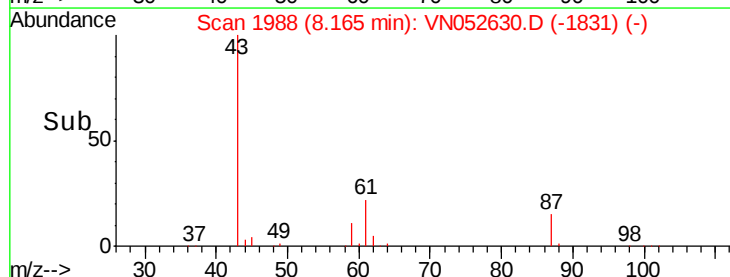
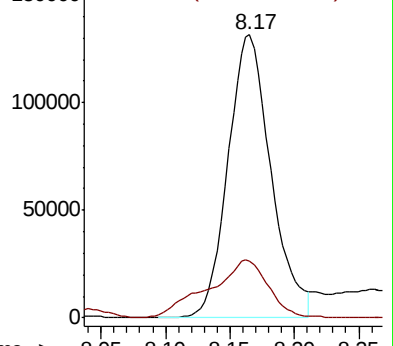
43 100

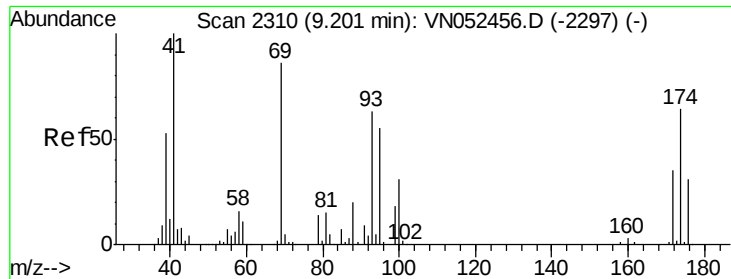
61 27.5 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

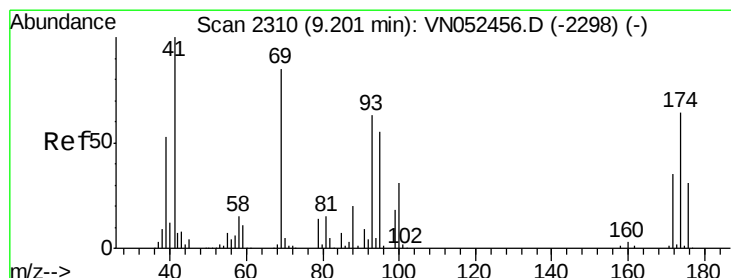
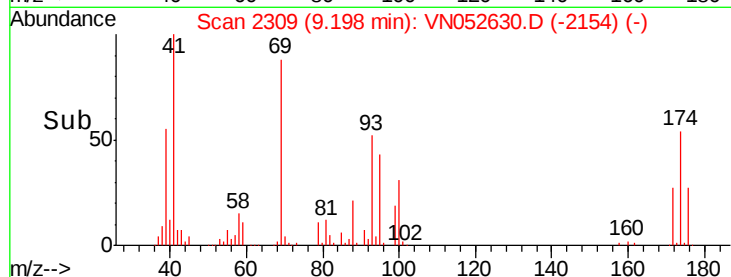
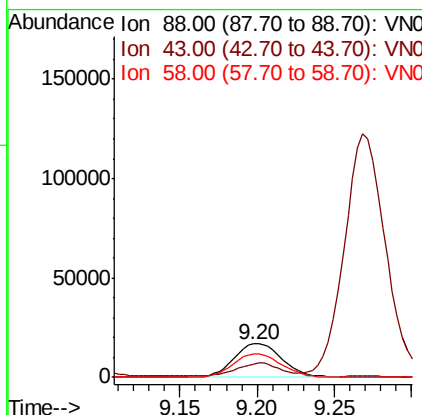
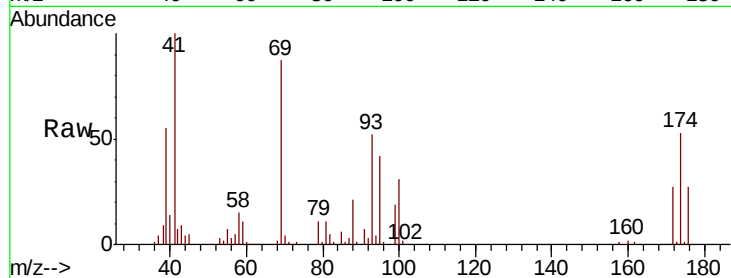




#45
 1,4-Dioxane
 Concen: 488.101 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

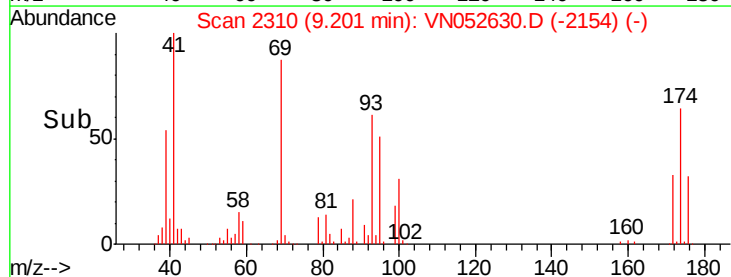
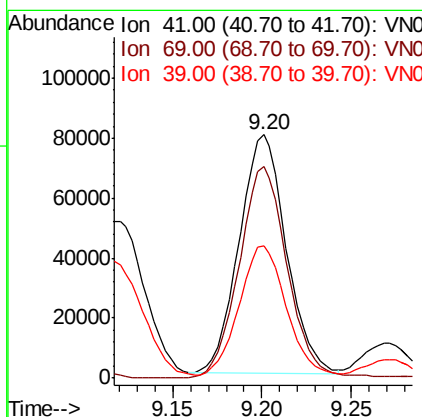
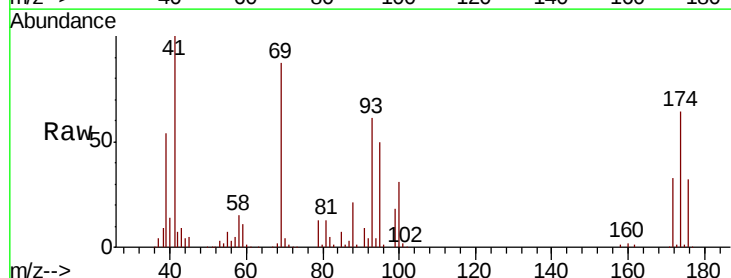
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

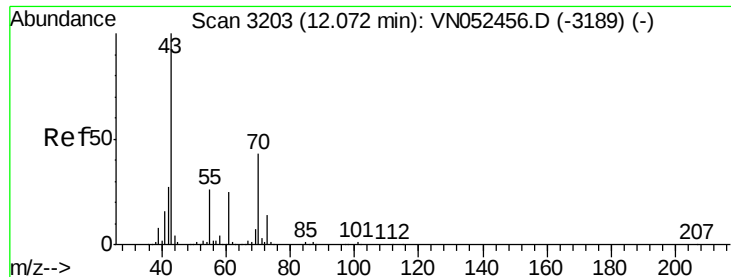
Tot Ion: 88 Resp: 36899
 Ion Ratio Lower Upper
 88 100
 43 34.5 29.5 44.3
 58 69.8 61.5 92.3



#46
 Methyl methacrylate
 Concen: 20.414 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 41 Resp: 146471
 Ion Ratio Lower Upper
 41 100
 69 88.8 42.5 127.6
 39 54.0 26.3 78.9

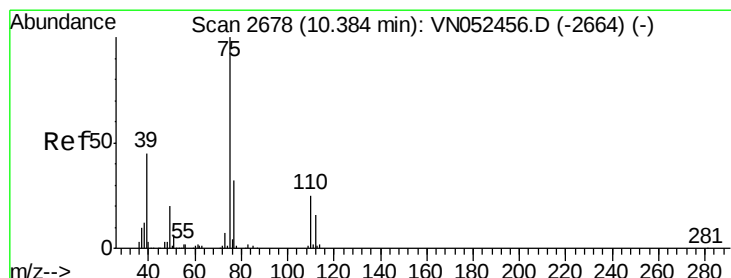
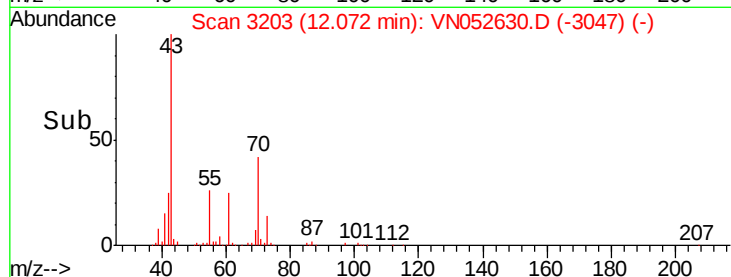
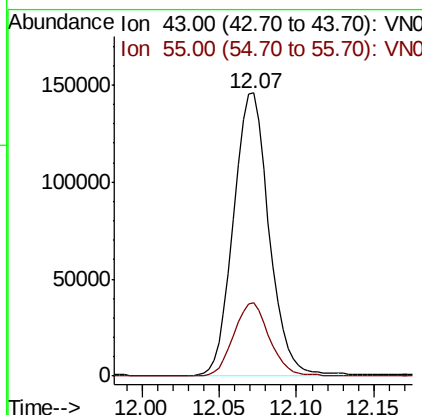
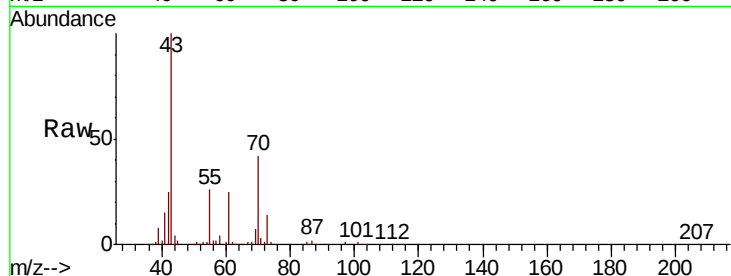




#47
n-amyl Acetate
Concen: 20.206 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

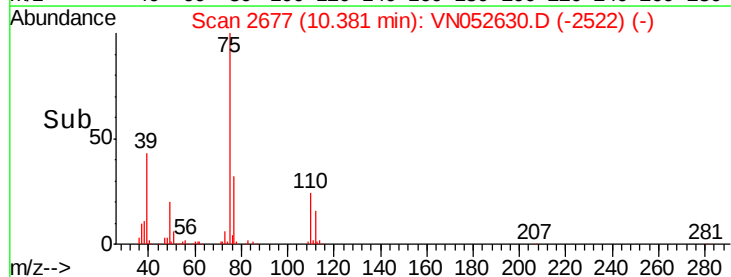
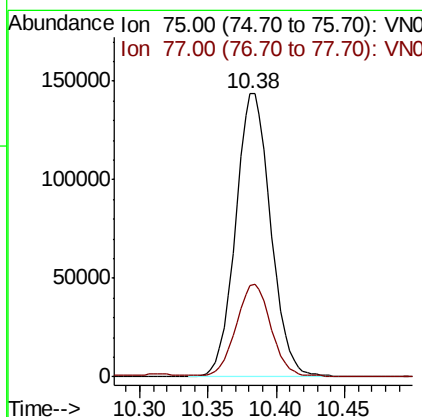
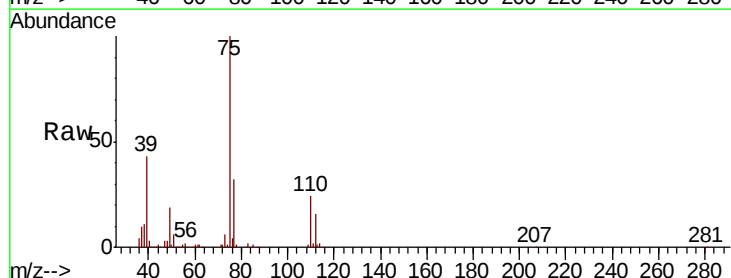
Instrument :
MSVOA_N
ClientSampled :
VN1203WBS02

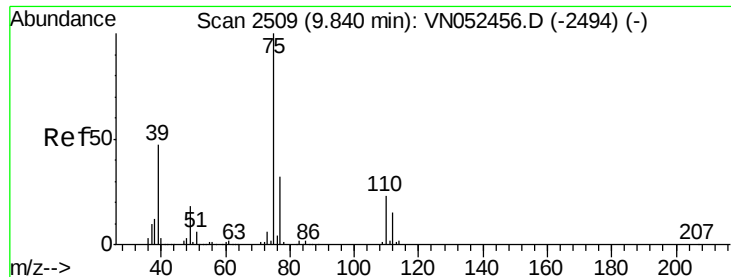
Tot Ion: 43 Resp: 231511
Ion Ratio Lower Upper
43 100
55 26.5 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 19.892 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 75 Resp: 256995
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4



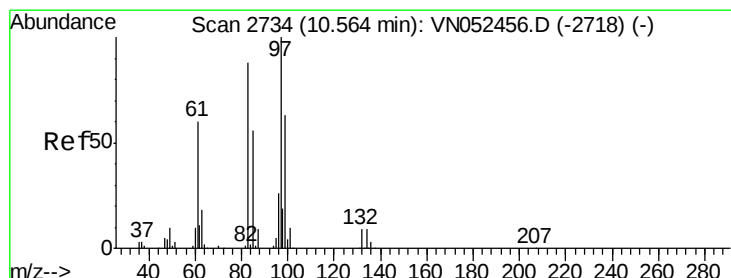
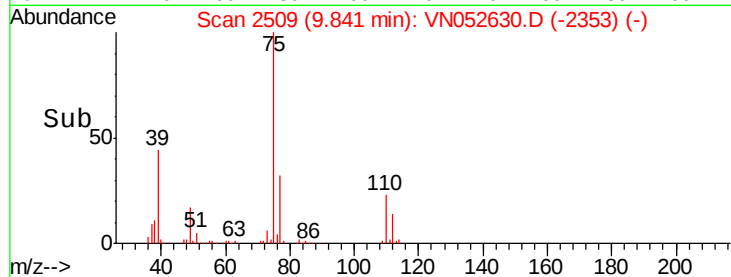
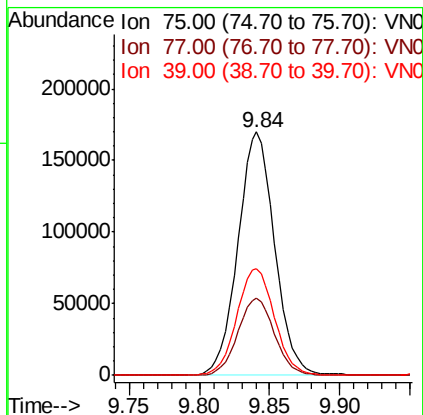
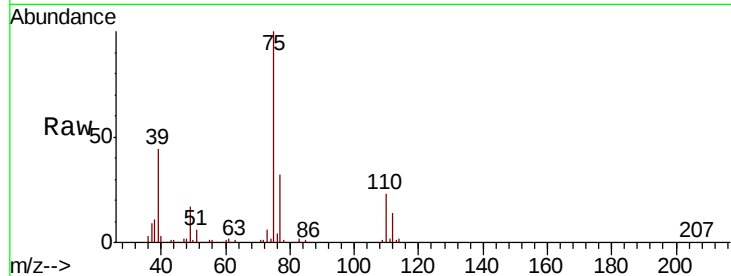


#49

cis-1,3-Dichloropropene
 Concen: 19.650 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

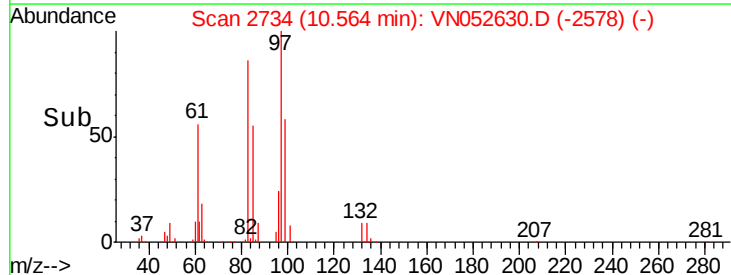
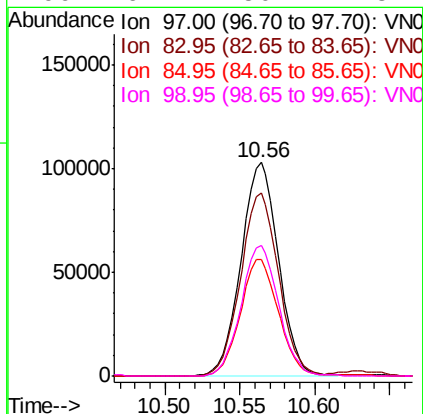
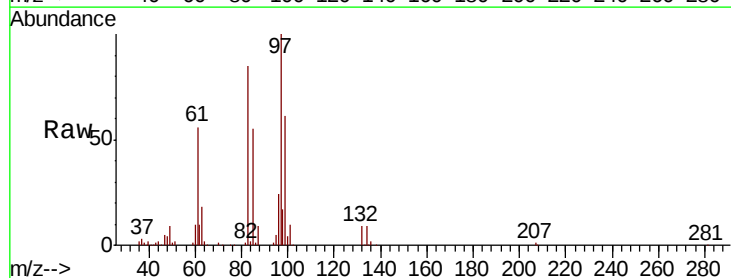
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	43.9	37.3	55.9

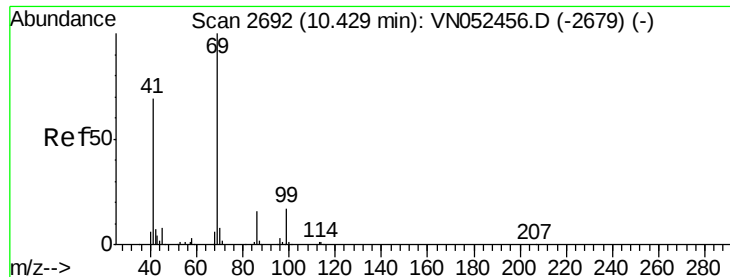


#50

1,1,2-Trichloroethane
 Concen: 21.031 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.4	105.6
85	54.8	45.0	67.6
99	61.2	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.595 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

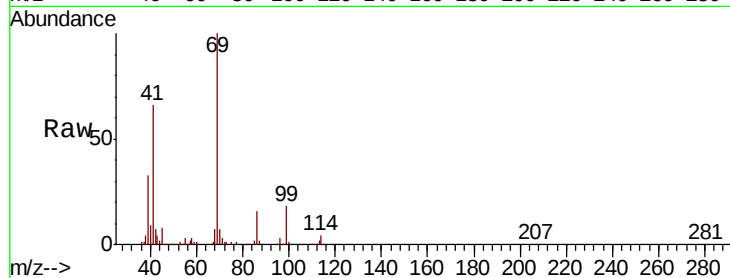
Tot Ion: 69 Resp: 221128

Ion Ratio Lower Upper

69 100

41 65.5 34.4 103.3

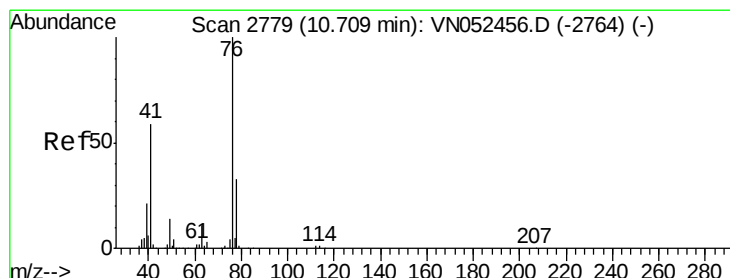
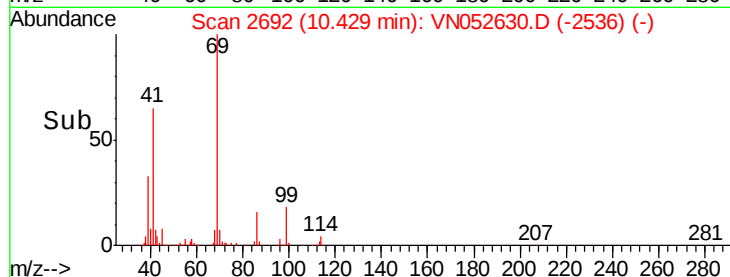
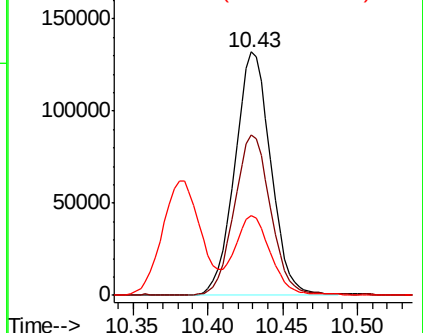
39 32.4 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN052456.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN052456.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN052456.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 20.284 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052630.D

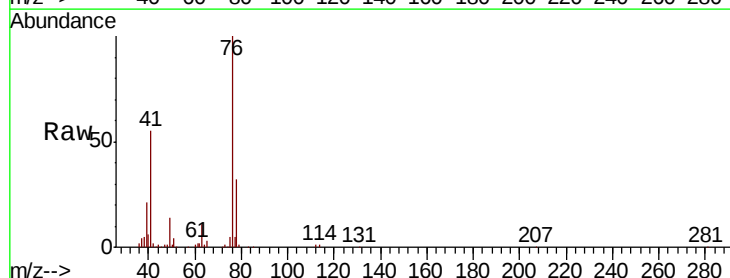
Acq: 3 Dec 2018 14:42

Tgt Ion: 76 Resp: 308658

Ion Ratio Lower Upper

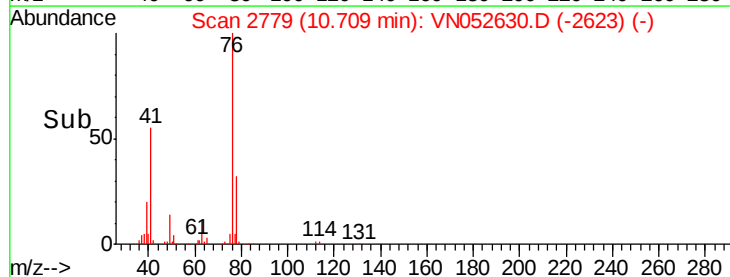
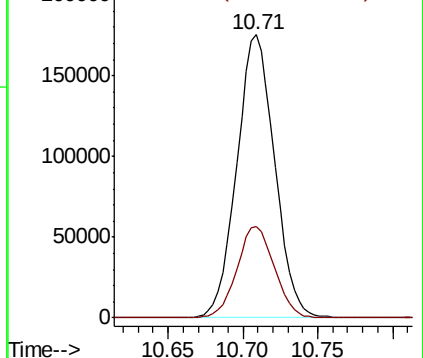
76 100

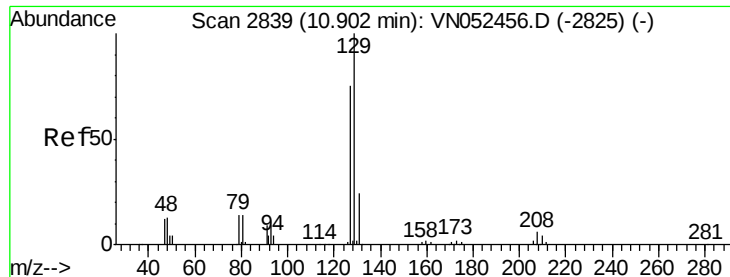
78 32.1 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-2764) (-)





#53

Dibromochloromethane

Concen: 20.534 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

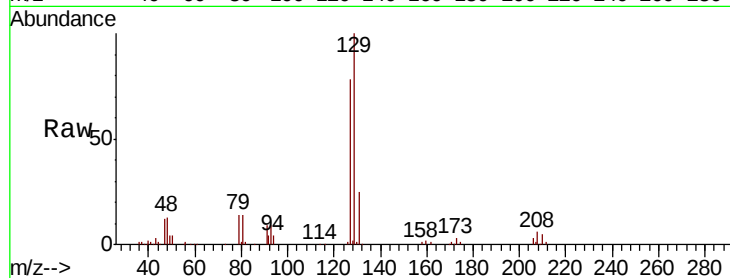
VN1203WBS02

Tot Ion:129 Resp: 193267

Ion Ratio Lower Upper

129 100

127 76.3 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

120000

100000

80000

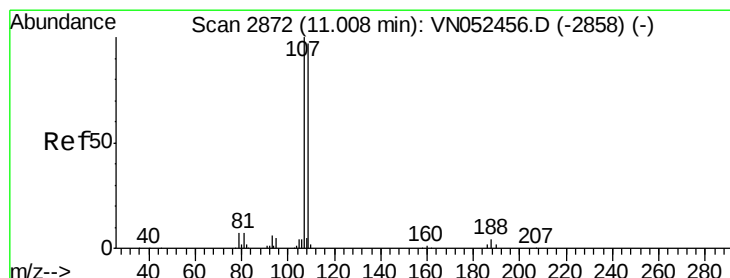
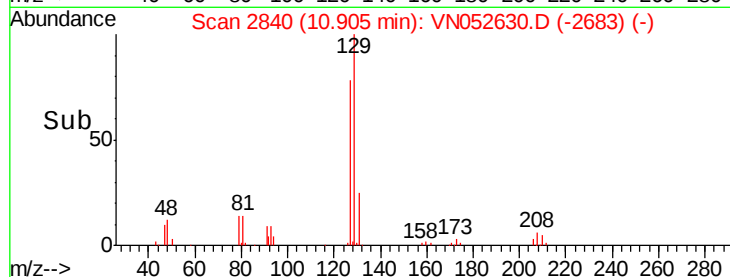
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 21.091 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052630.D

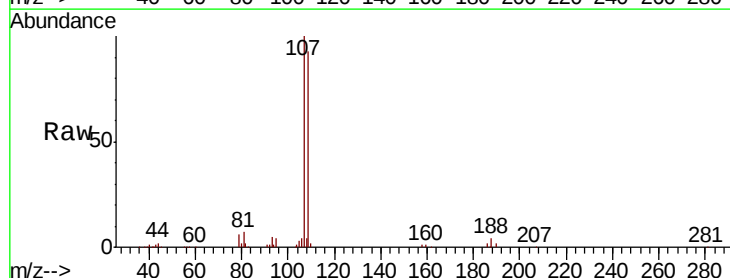
Acq: 3 Dec 2018 14:42

Tgt Ion:107 Resp: 176187

Ion Ratio Lower Upper

107 100

109 93.7 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

100000

80000

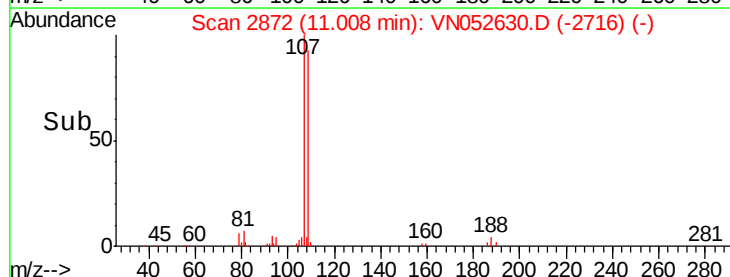
60000

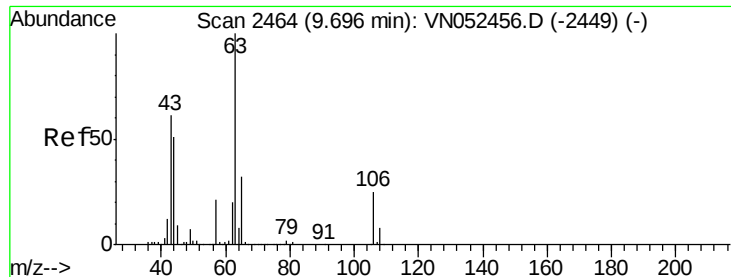
40000

20000

0

Time-->

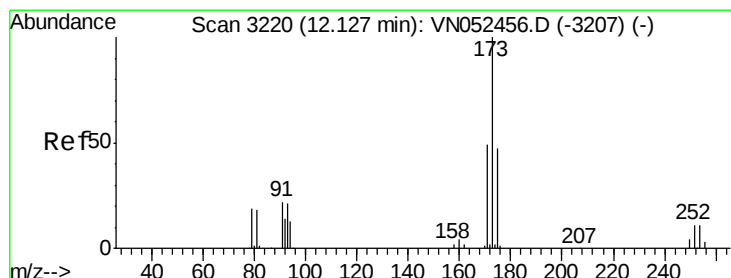
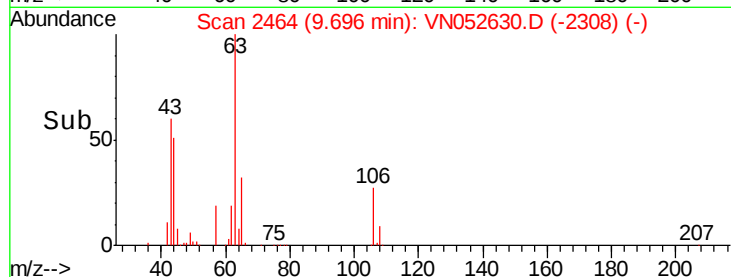
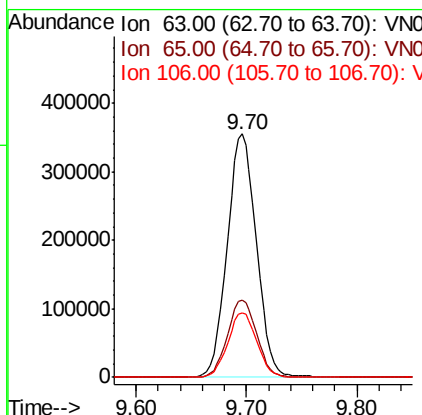
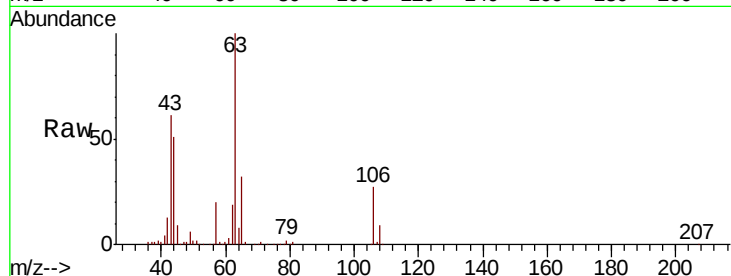




#55
 2-Chloroethyl vinyl ether
 Concen: 103.744 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

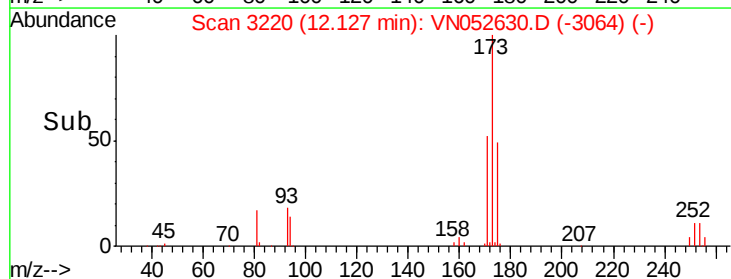
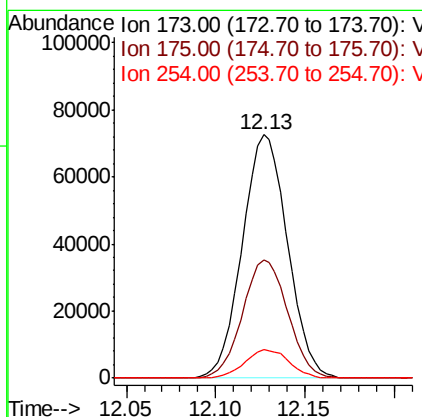
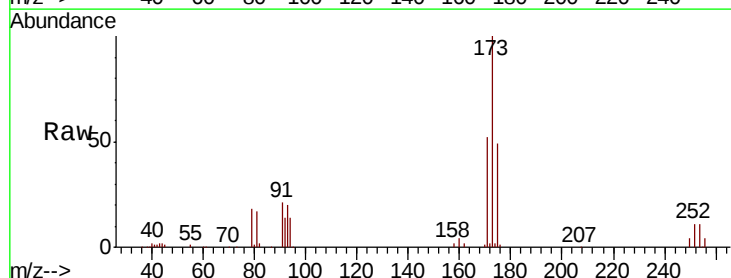
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

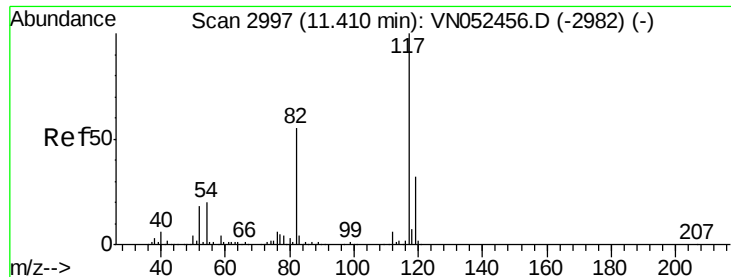
Tot Ion: 63 Resp: 652020
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.2
 106 26.3 20.4 30.6



#56
 Bromoform
 Concen: 20.957 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion: 173 Resp: 128930
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.7 58.1
 254 11.5 8.4 12.6

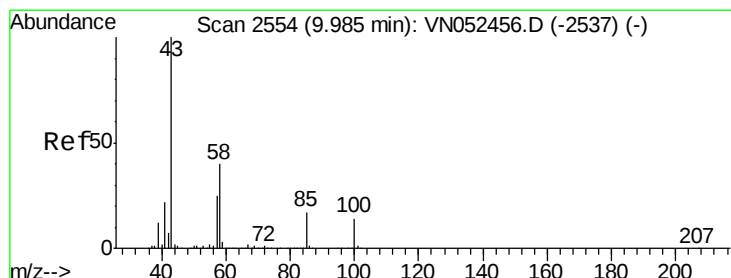
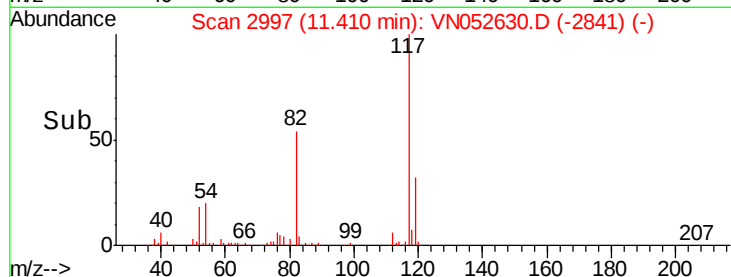
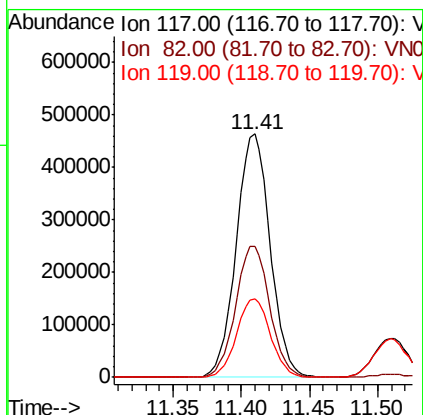
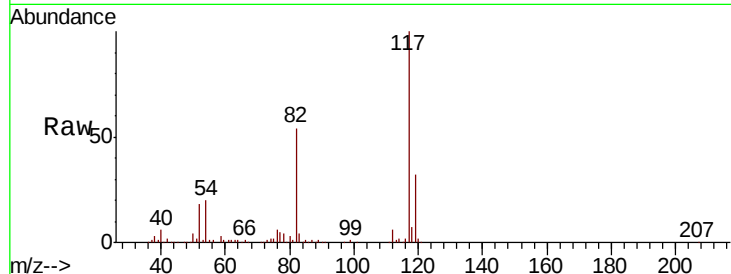




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

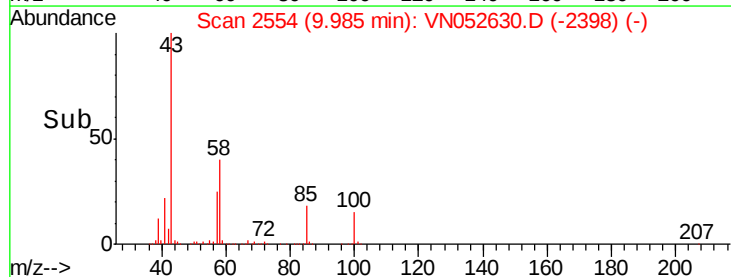
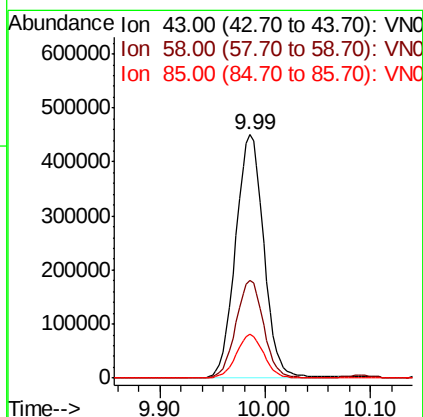
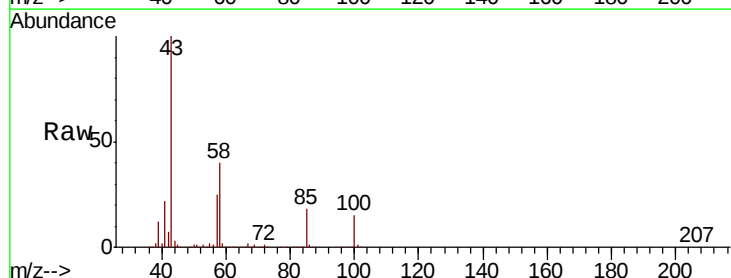
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

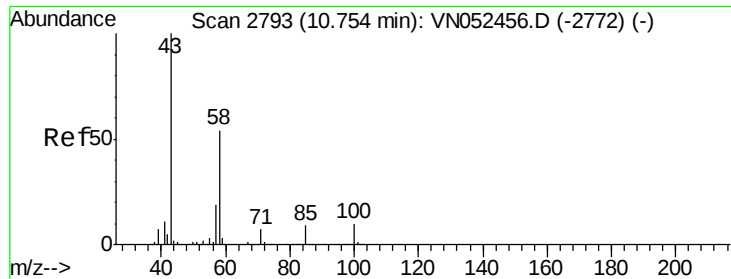
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	32.2	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 107.201 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4
85	17.6	13.3	19.9

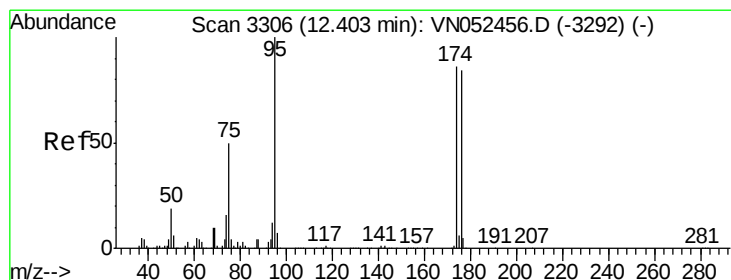
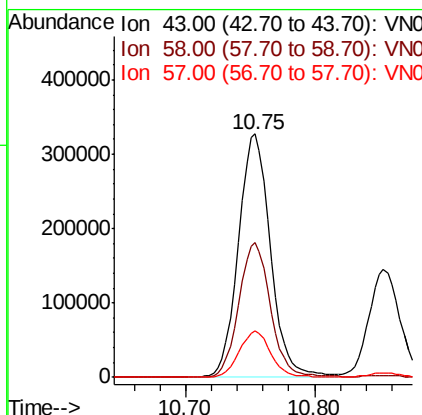
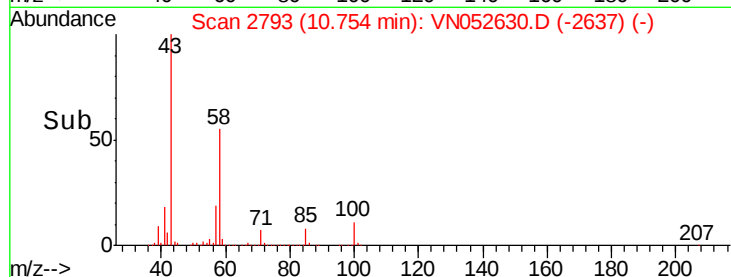
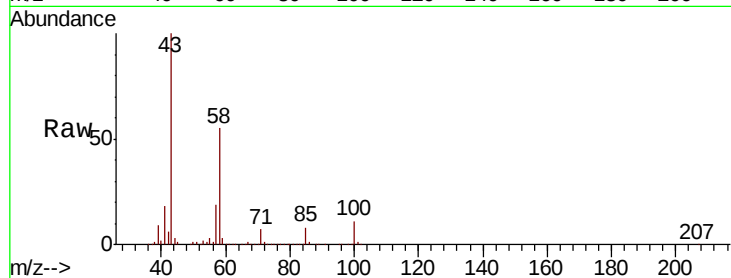




#59
2-Hexanone
Concen: 106.375 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

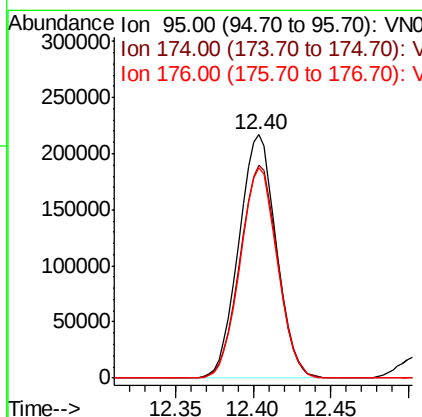
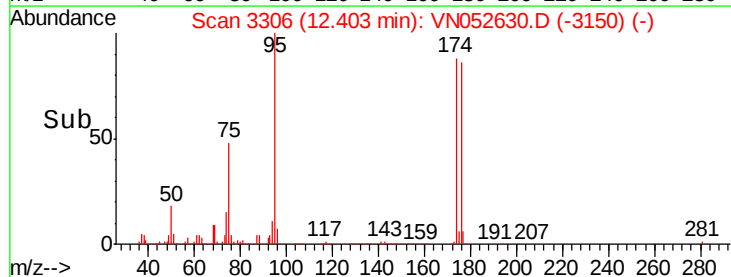
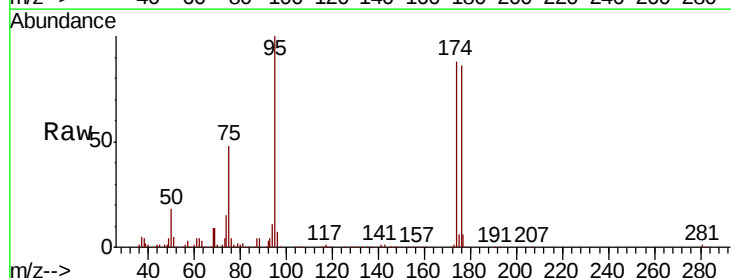
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

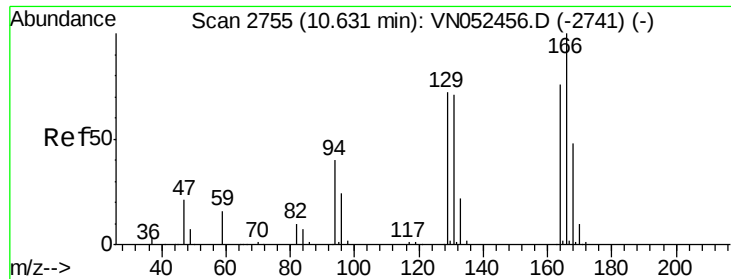
Tot Ion: 43 Resp: 564561
Ion Ratio Lower Upper
43 100
58 55.2 43.2 64.8
57 18.7 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 106.375 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 95 Resp: 364594
Ion Ratio Lower Upper
95 100
174 88.6 67.9 101.9
176 86.0 66.4 99.6





#61

Tetrachloroethene

Concen: 21.779 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

Tot Ion:164 Resp: 214959

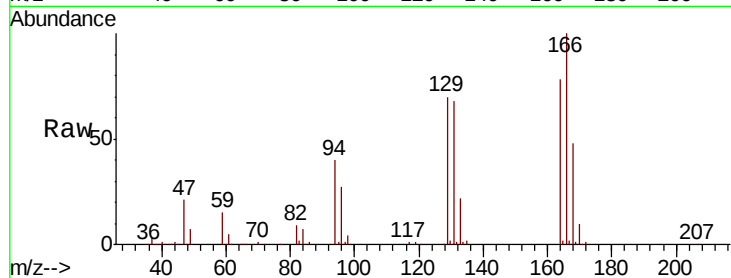
Ion Ratio Lower Upper

164 100

166 127.6 104.6 157.0

129 89.8 75.3 112.9

131 87.2 74.3 111.5

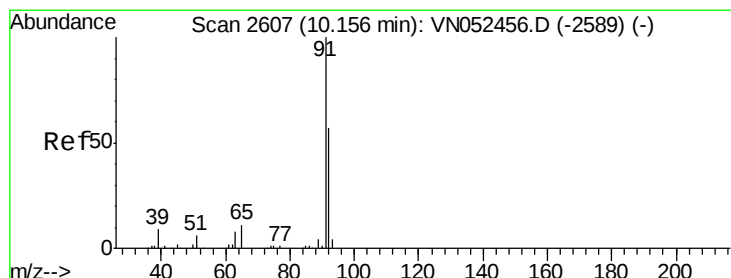
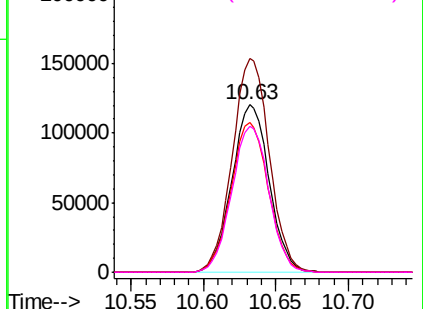
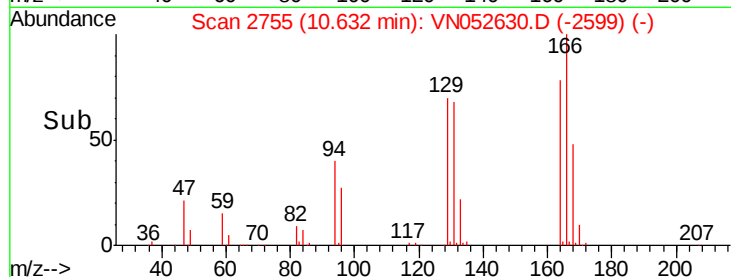


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.033 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052630.D

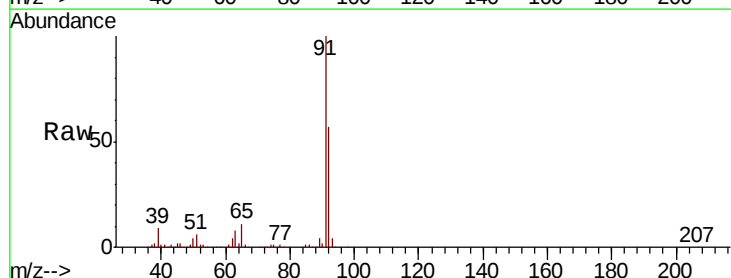
Acq: 3 Dec 2018 14:42

Tgt Ion: 91 Resp: 885009

Ion Ratio Lower Upper

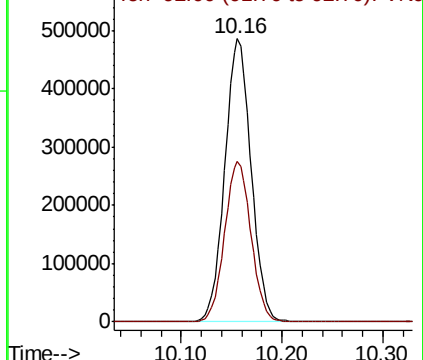
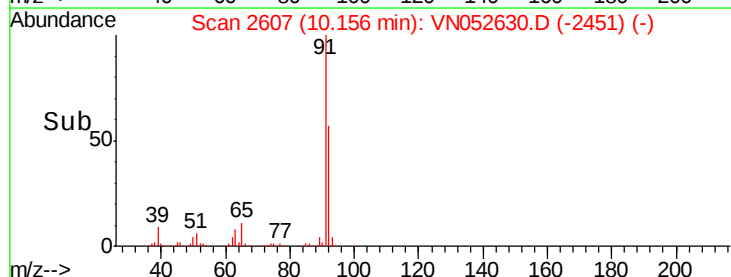
91 100

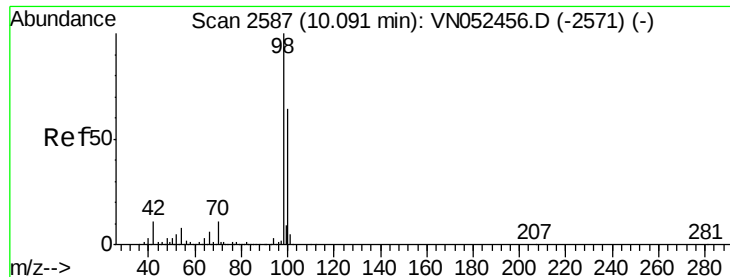
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.033 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

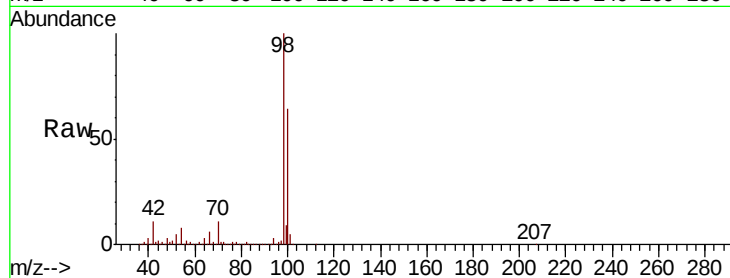
VN1203WBS02

Tot Ion: 98 Resp: 1094588

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)

10.09

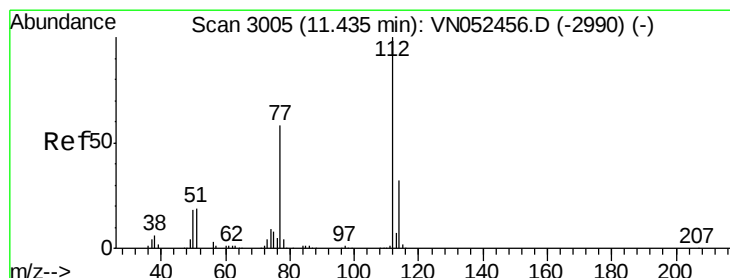
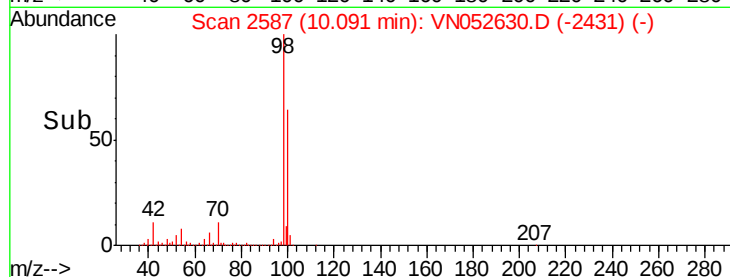
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 19.897 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052630.D

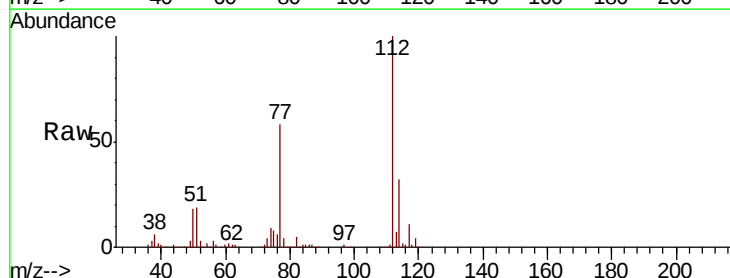
Acq: 3 Dec 2018 14:42

Tgt Ion: 112 Resp: 536512

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)

11.44

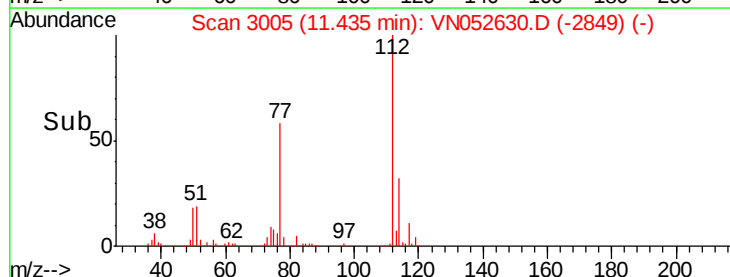
300000

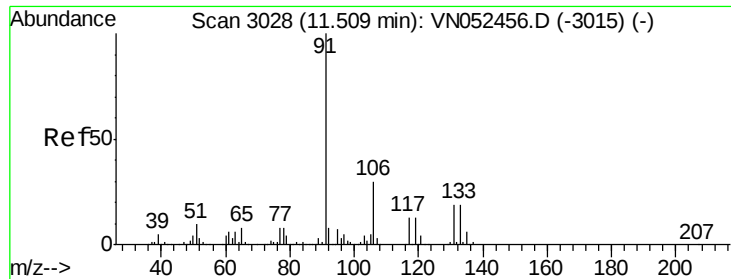
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

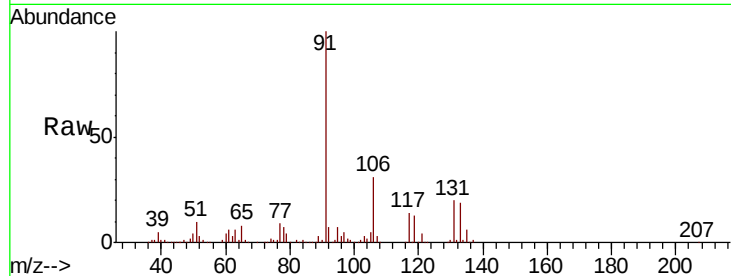
Tot Ion:131 Resp: 189229

Ion Ratio Lower Upper

131 100

133 95.9 0.0 193.4

119 67.4 0.0 133.0

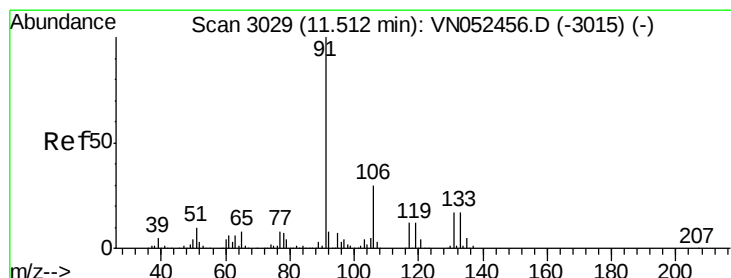
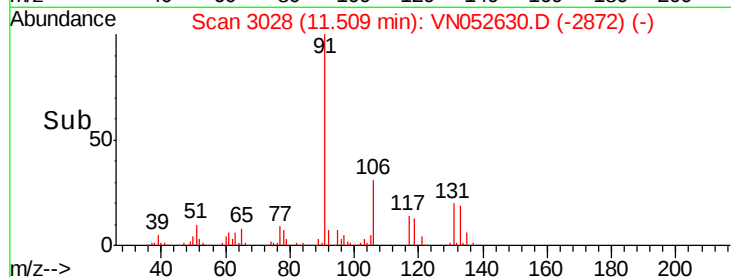
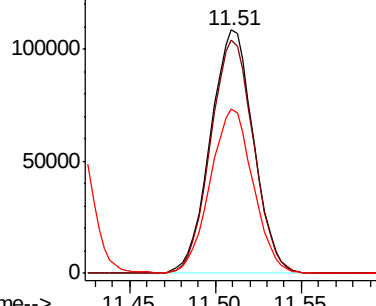


Abundance

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: 19.860 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052630.D

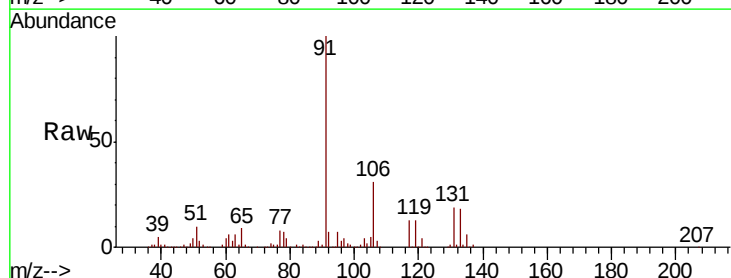
Acq: 3 Dec 2018 14:42

Tgt Ion: 91 Resp: 945597

Ion Ratio Lower Upper

91 100

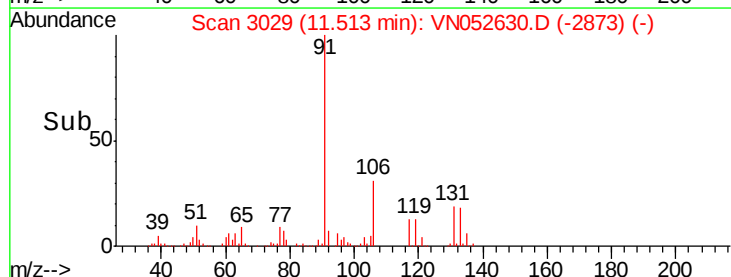
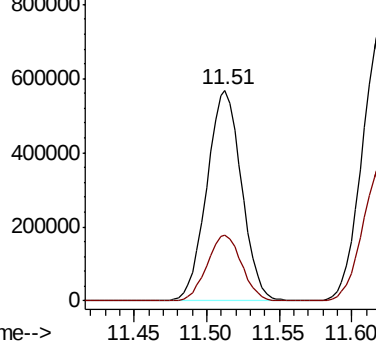
106 31.3 24.3 36.5

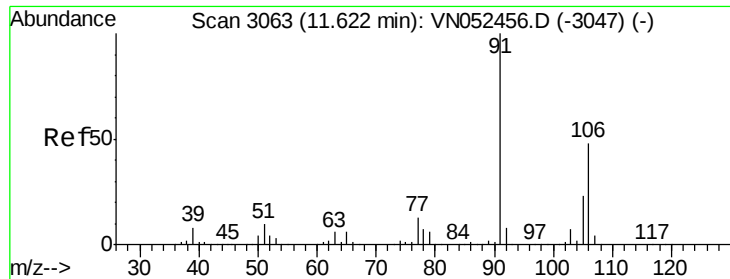


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

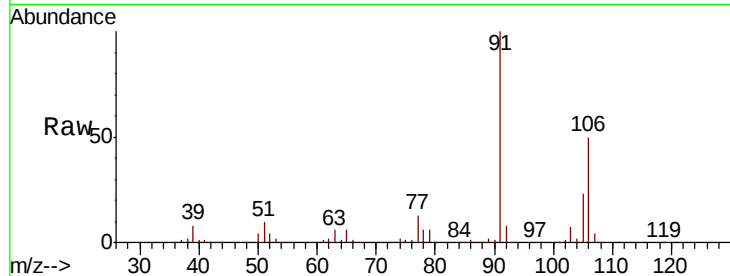




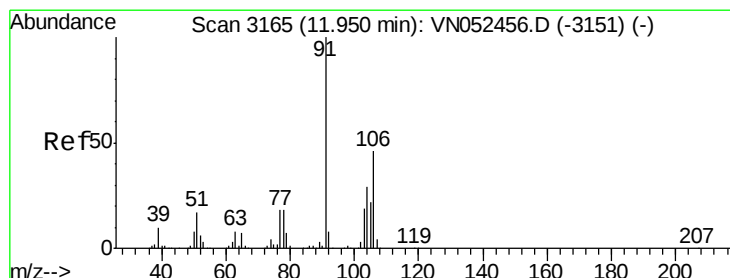
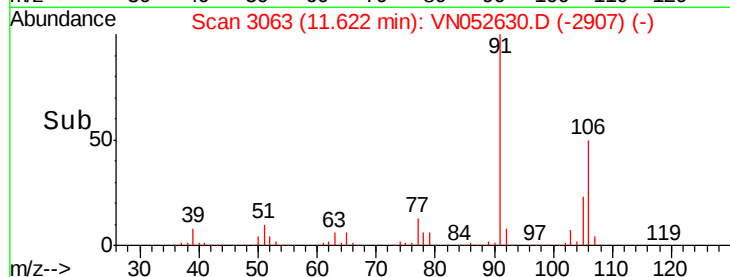
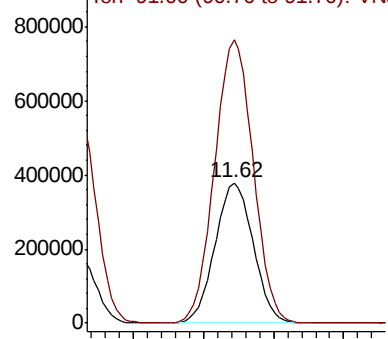
#67
m/p-Xylenes
Concen: 40.527 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampled :
VN1203WBS02

Tot Ion:106 Resp: 718901
Ion Ratio Lower Upper
106 100
91 204.0 163.9 245.9

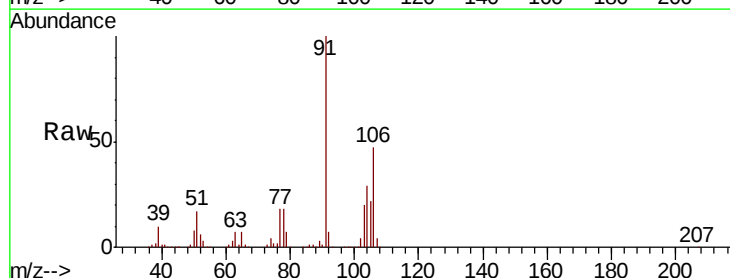


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

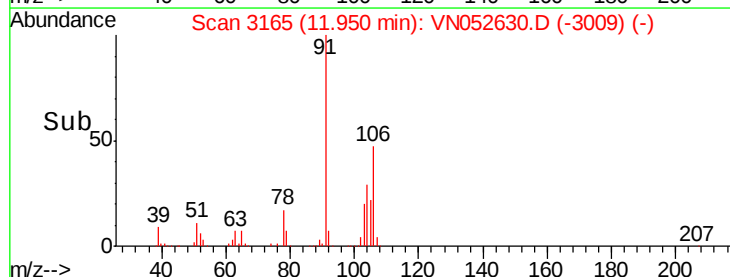
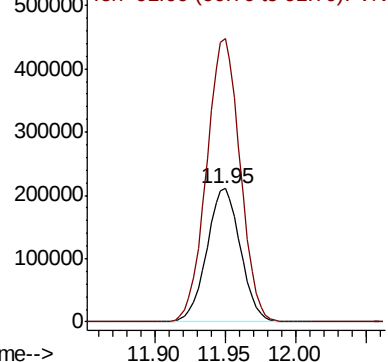


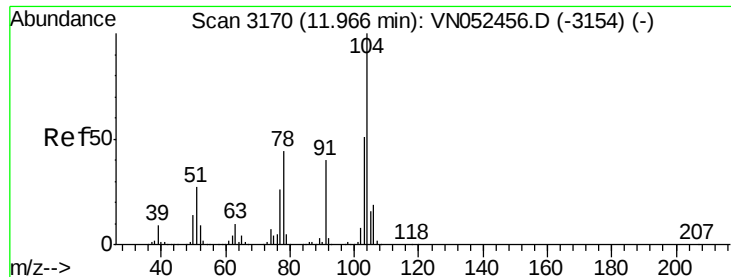
#68
o-Xylene
Concen: 20.432 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion:106 Resp: 351775
Ion Ratio Lower Upper
106 100
91 212.4 107.8 323.4



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

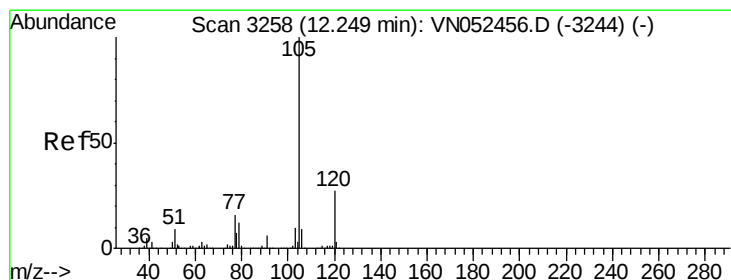
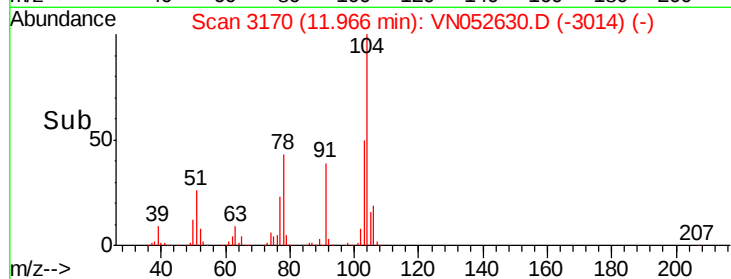
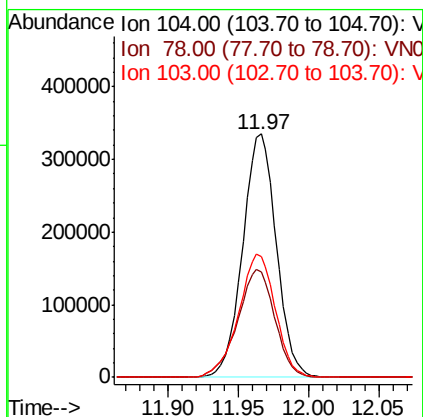
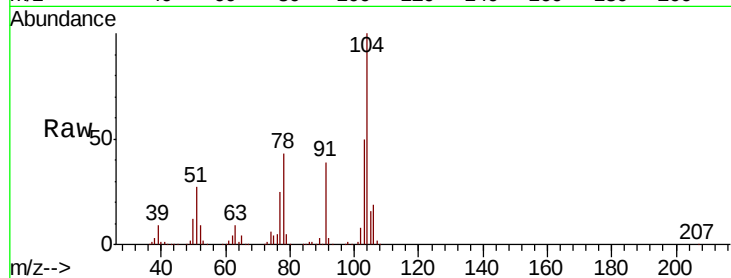




#69
Stvrene
Concen: 20.190 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

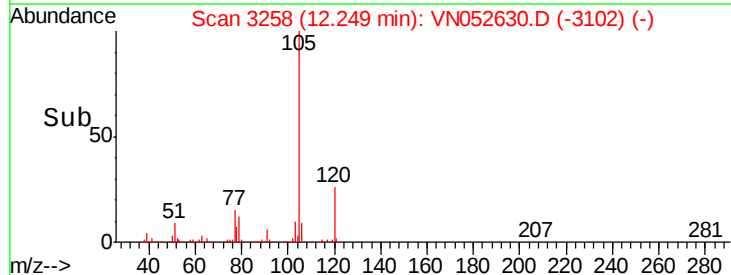
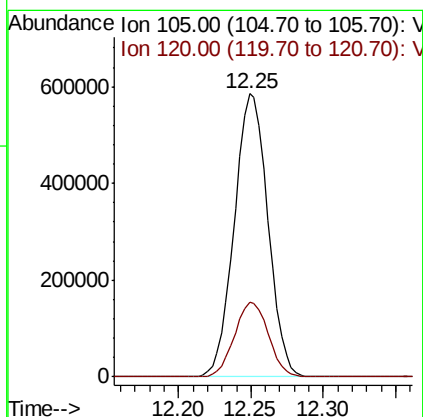
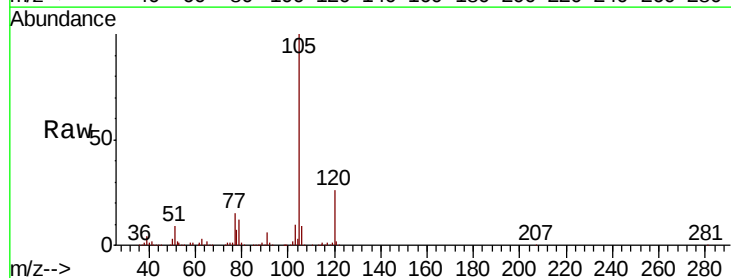
Instrument :
MSVOA_N
ClientSampled :
VN1203WBS02

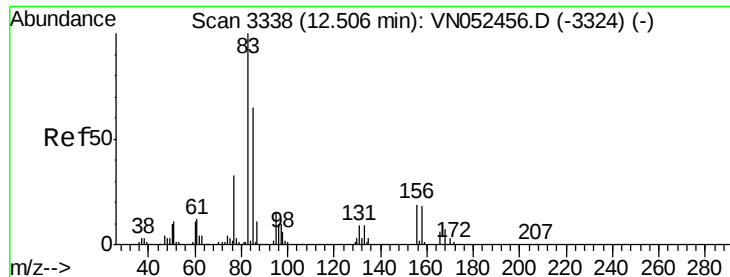
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	55.2	44.6	66.8



#70
Isopropylbenzene
Concen: 20.595 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.6	34.6

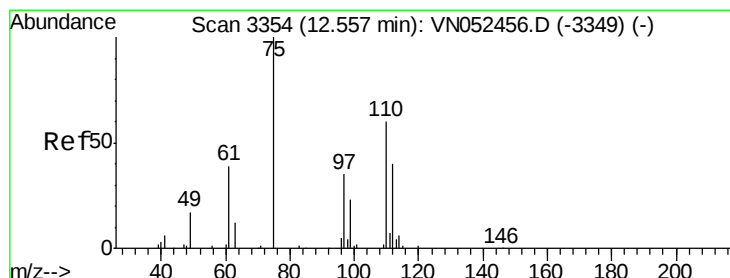
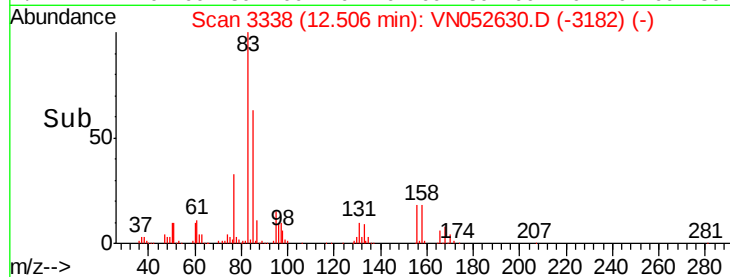
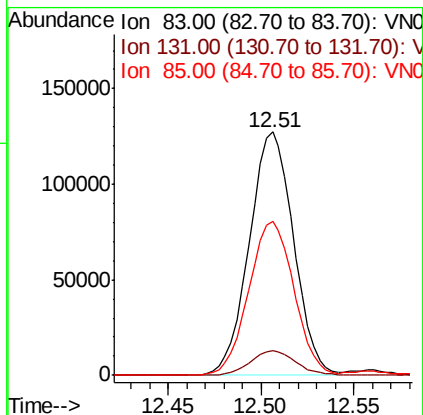
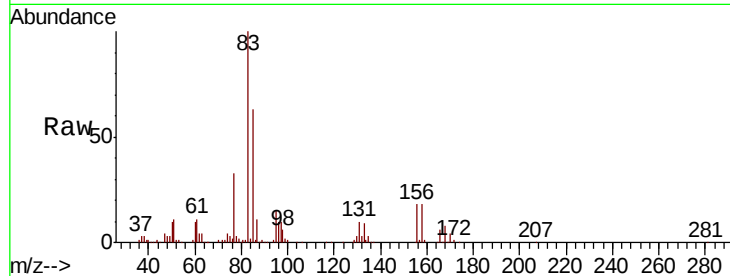




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.236 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

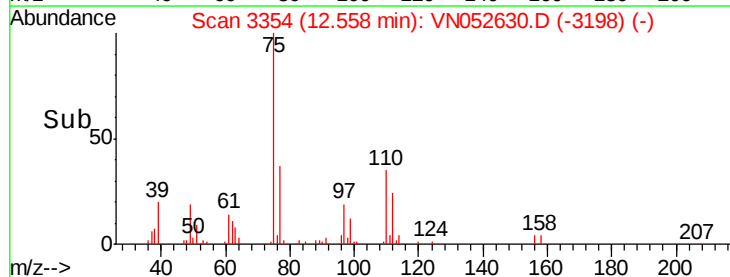
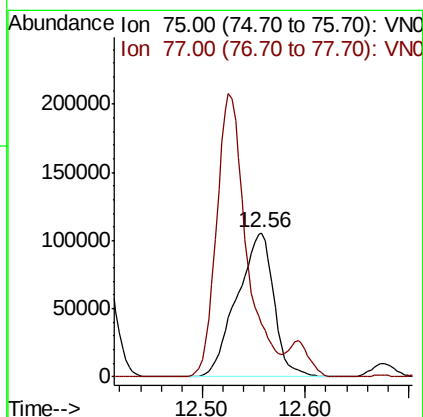
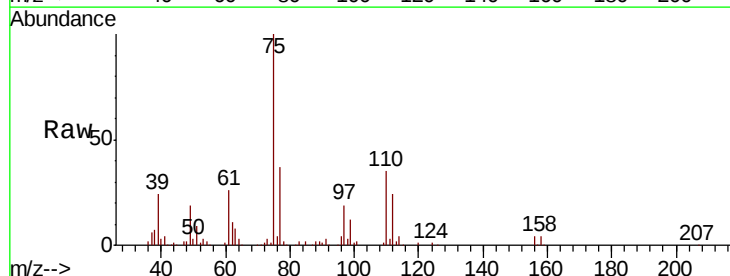
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

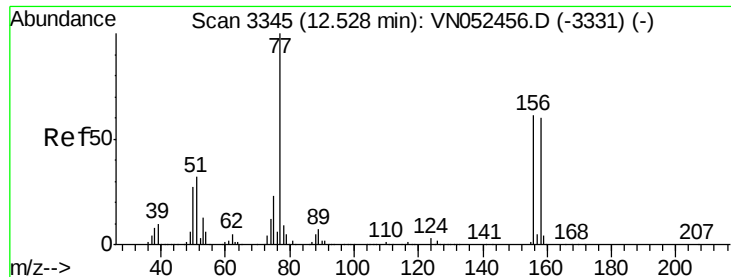
Tot Ion	83	Resp	211613
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.6
85	64.6	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 30.660 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	75	Resp	262272
Ion Ratio	Lower	Upper	
75	100		
77	159.5	0.0	514.8





#73

Bromobenzene

Concen: 20.891 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampled :

VN1203WBS02

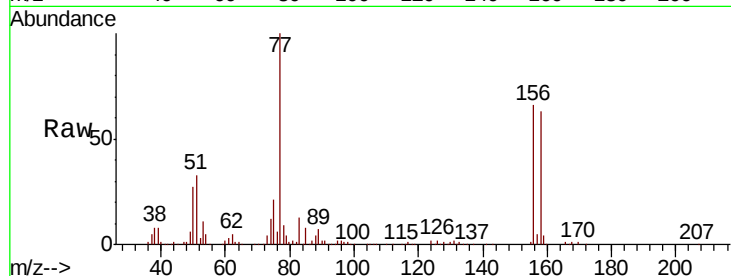
Tot Ion:156 Resp: 231460

Ion Ratio Lower Upper

156 100

77 180.8 0.0 382.6

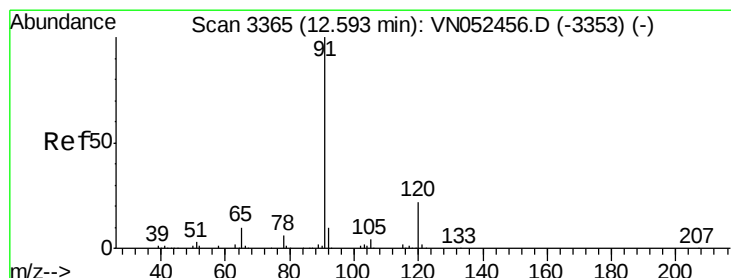
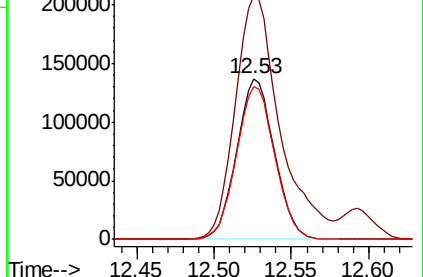
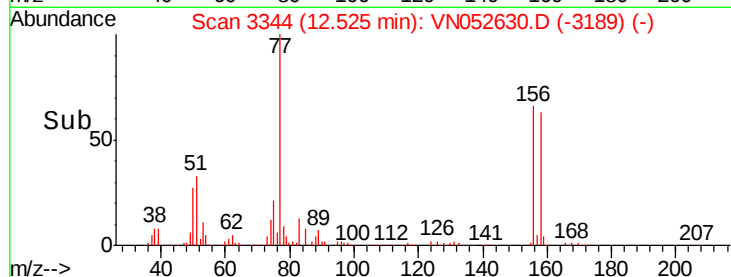
158 96.7 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.981 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052630.D

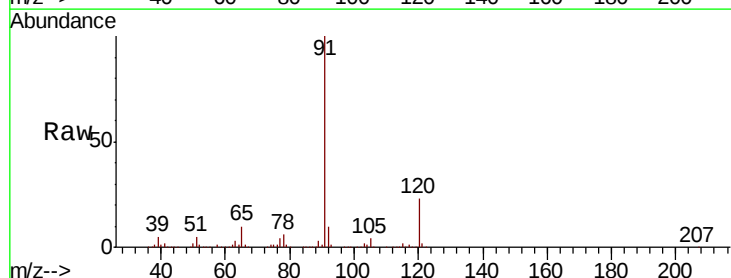
Acq: 3 Dec 2018 14:42

Tgt Ion: 91 Resp: 1066502

Ion Ratio Lower Upper

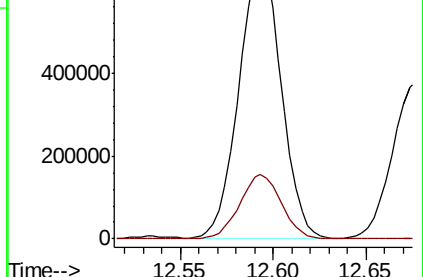
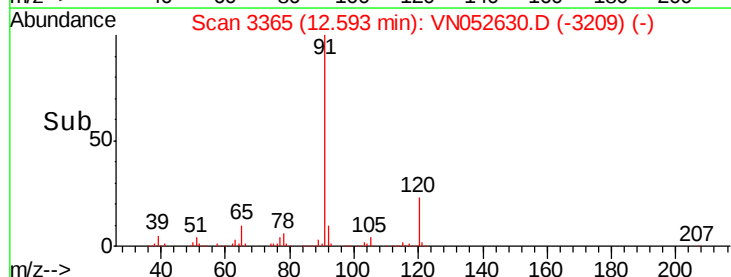
91 100

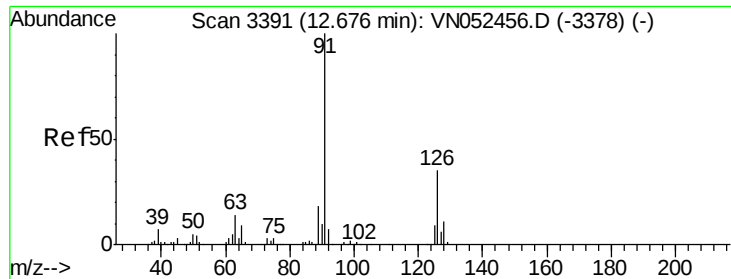
120 22.8 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.398 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

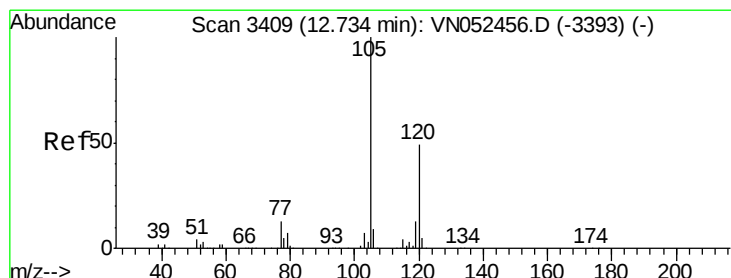
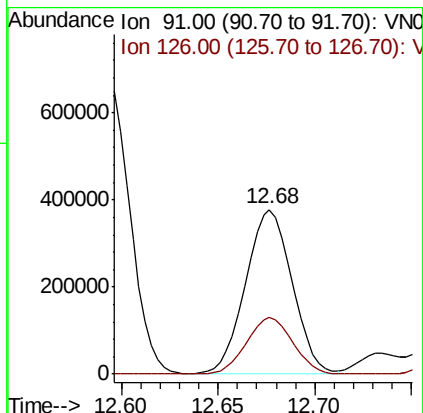
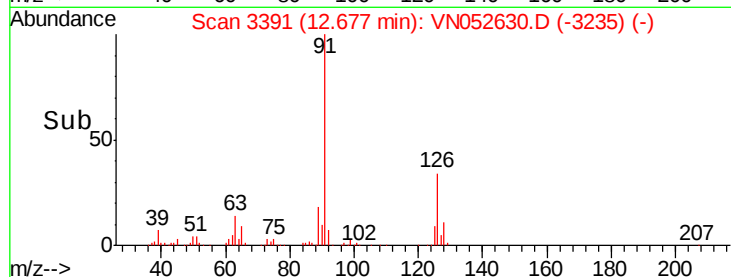
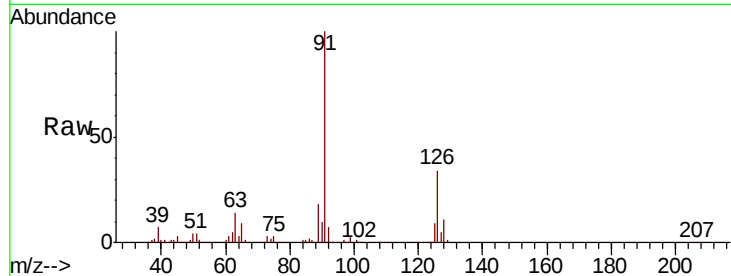
VN1203WBS02

Tot Ion: 91 Resp: 631952

Ion Ratio Lower Upper

91 100

126 34.3 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 20.765 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052630.D

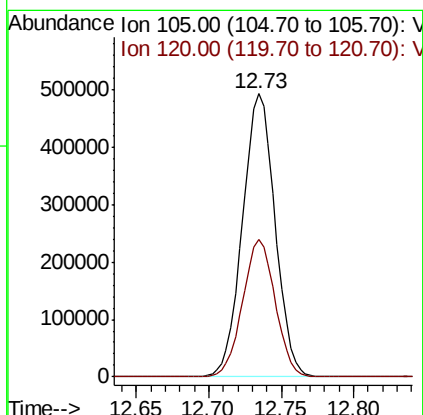
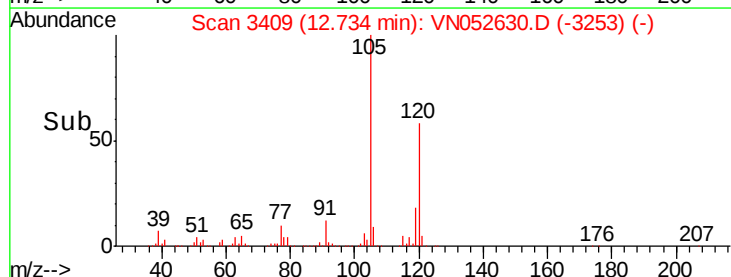
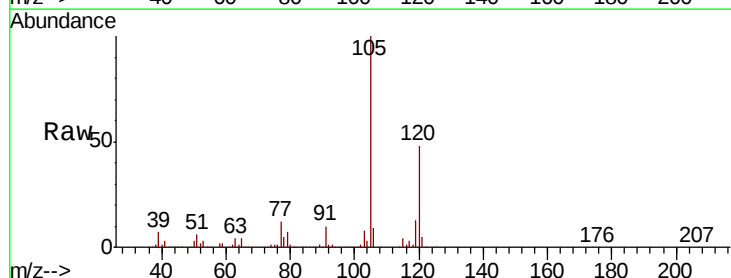
Acq: 3 Dec 2018 14:42

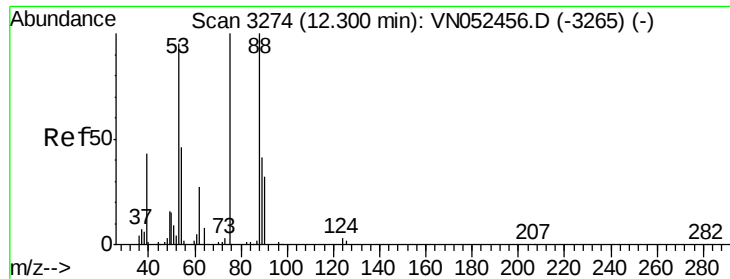
Tgt Ion:105 Resp: 768315

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.371 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampled :

VN1203WBS02

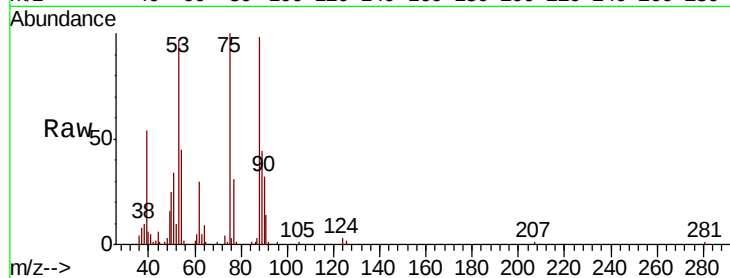
Tot Ion: 75 Resp: 55048

Ion Ratio Lower Upper

75 100

53 96.9 48.5 145.6

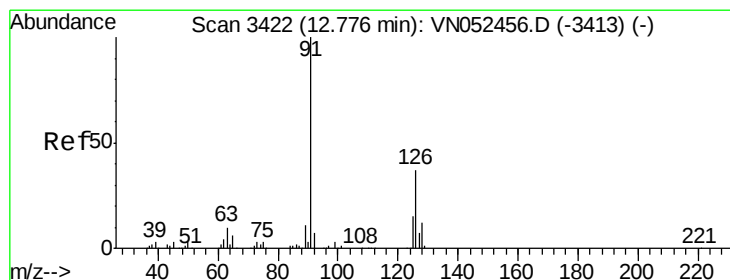
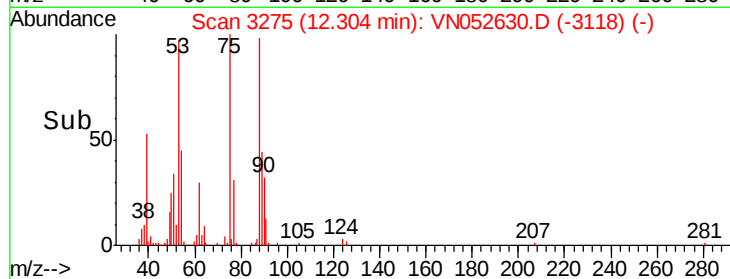
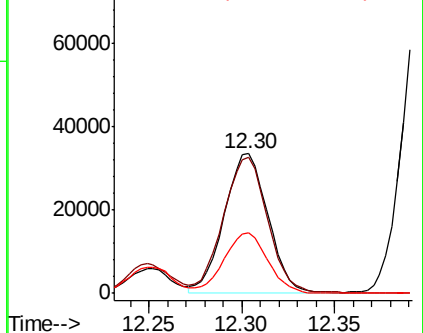
89 43.8 21.7 65.1



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: 19.990 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052630.D

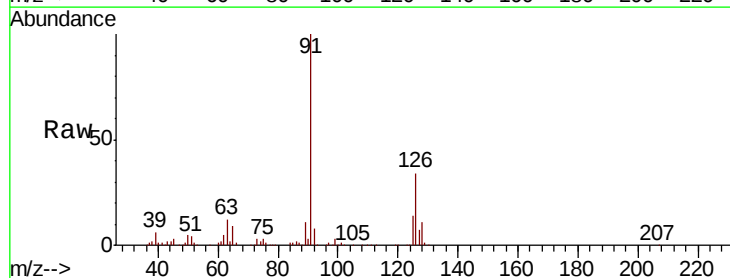
Acq: 3 Dec 2018 14:42

Tgt Ion: 91 Resp: 618471

Ion Ratio Lower Upper

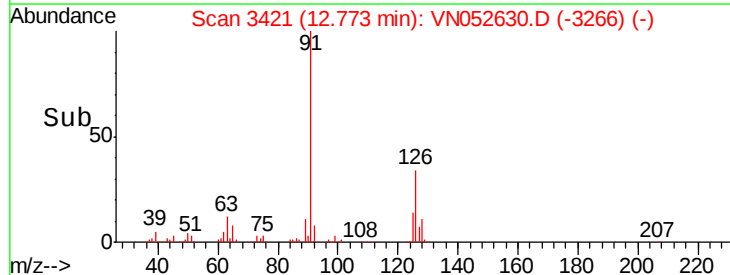
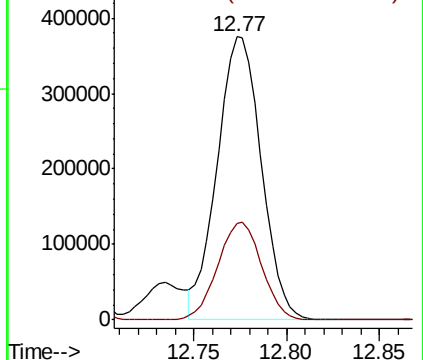
91 100

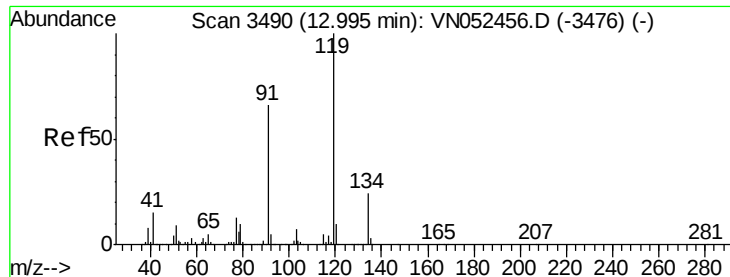
126 34.4 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

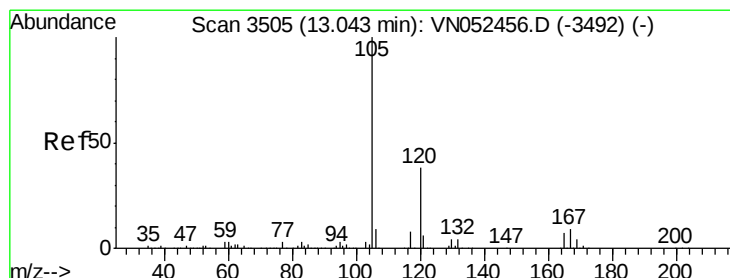
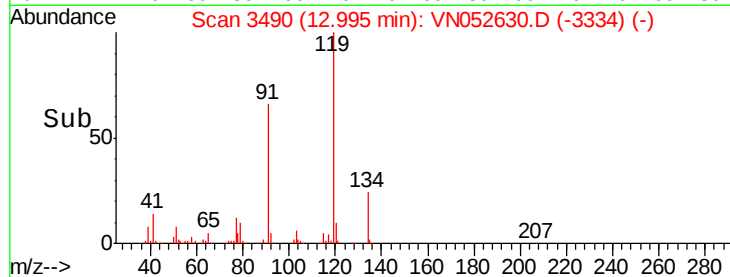
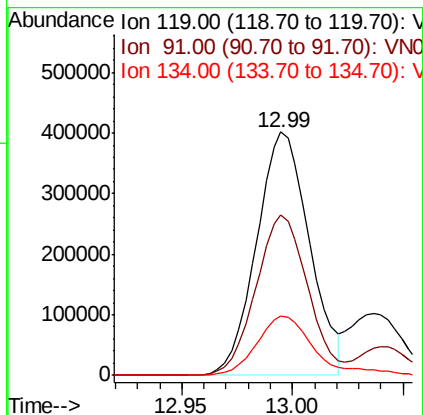
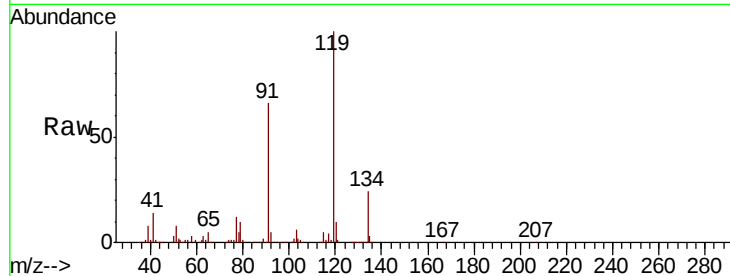




#79
tert-butylbenzene
Concen: 20.782 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

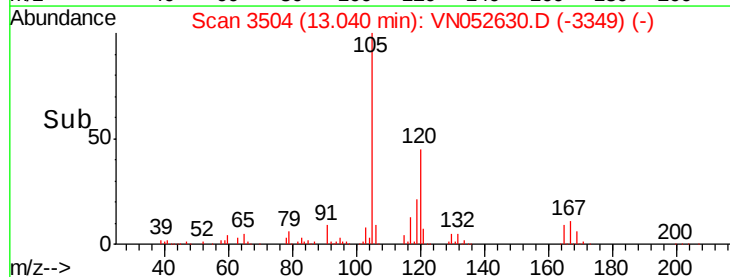
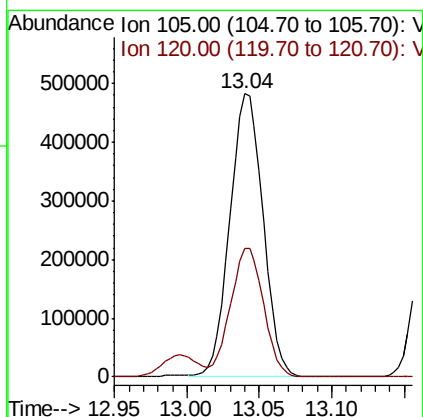
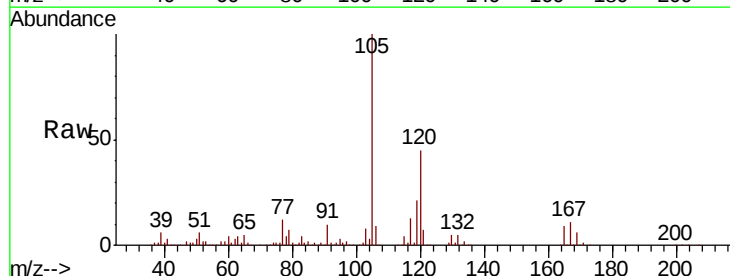
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

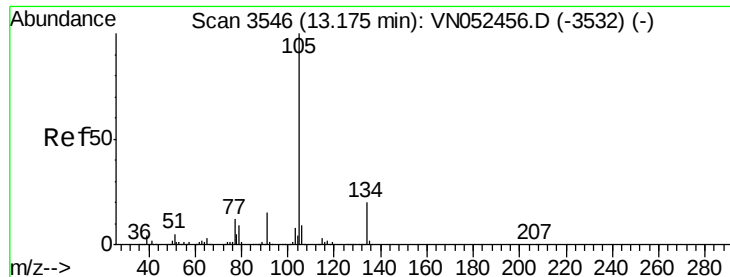
Tot Ion:119 Resp: 669664
Ion Ratio Lower Upper
119 100
91 64.5 0.0 129.8
134 26.4 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.730 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion:105 Resp: 767489
Ion Ratio Lower Upper
105 100
120 45.3 0.0 91.0





#81

sec-Butylbenzene

Concen: 20.385 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

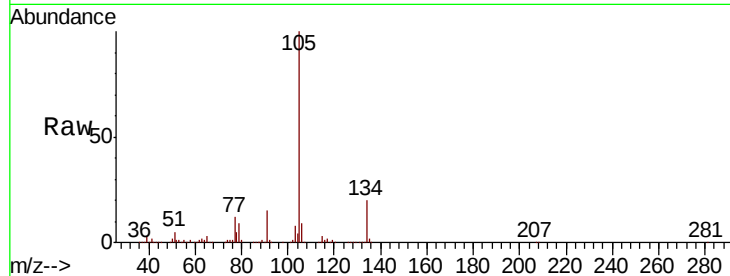
VN1203WBS02

Tot Ion:105 Resp: 914957

Ion Ratio Lower Upper

105 100

134 20.2 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

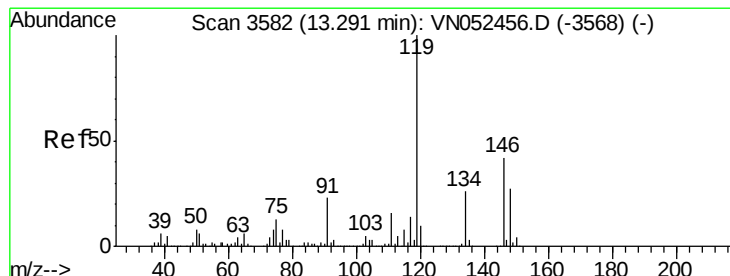
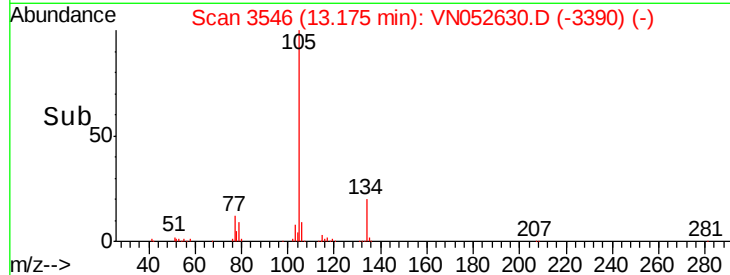
600000

400000

200000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.629 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

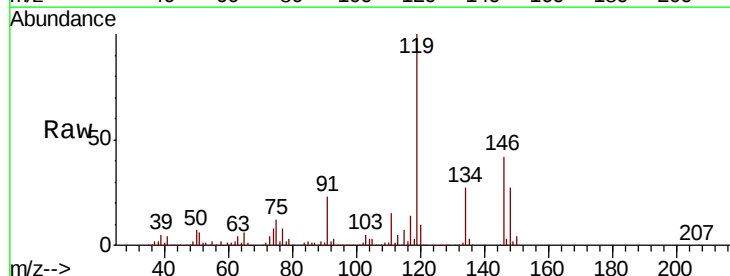
Tgt Ion:119 Resp: 788415

Ion Ratio Lower Upper

119 100

134 26.9 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

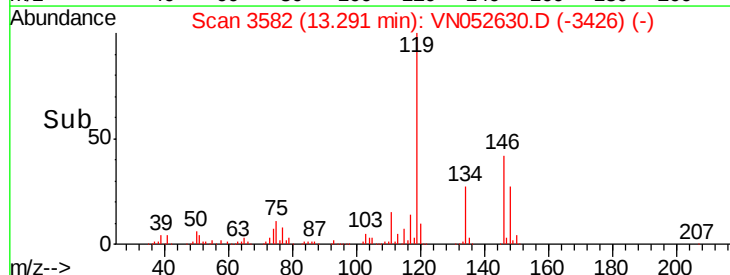
600000

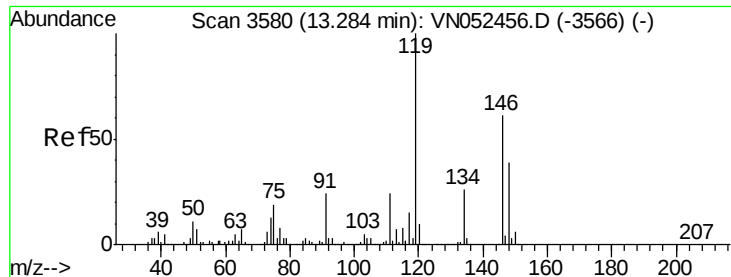
400000

200000

0

Time-->

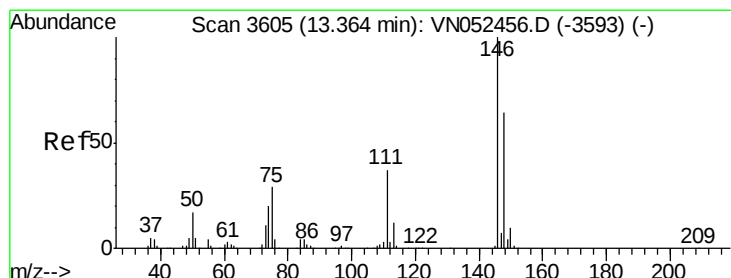
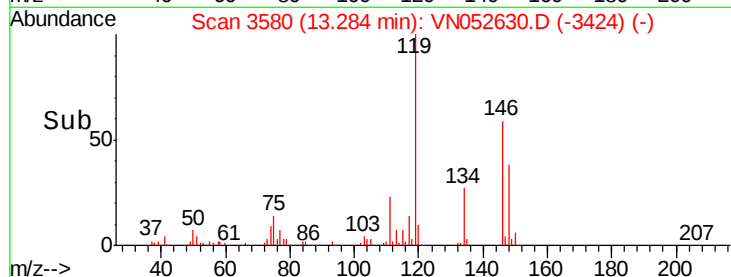
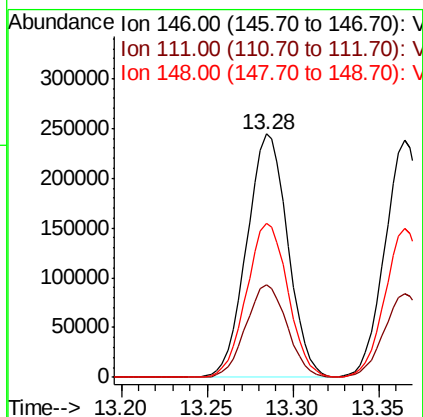
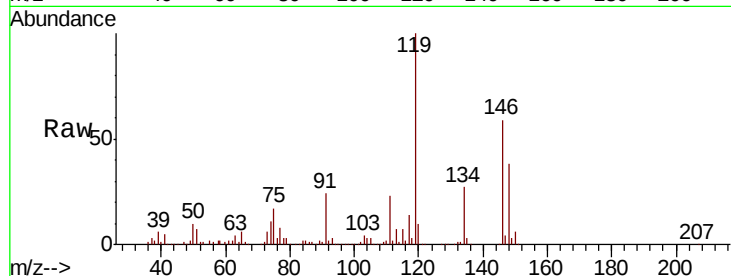




#83
1,3-Dichlorobenzene
Concen: 20.756 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

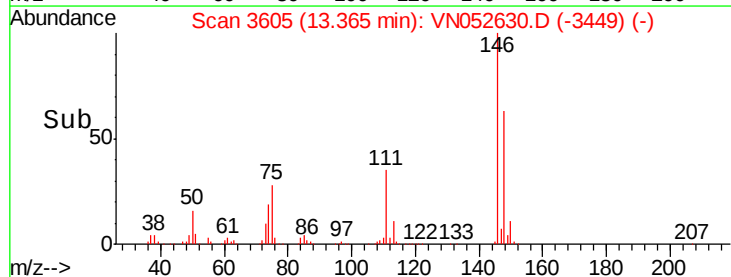
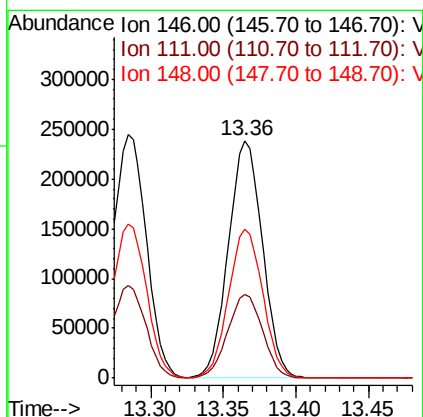
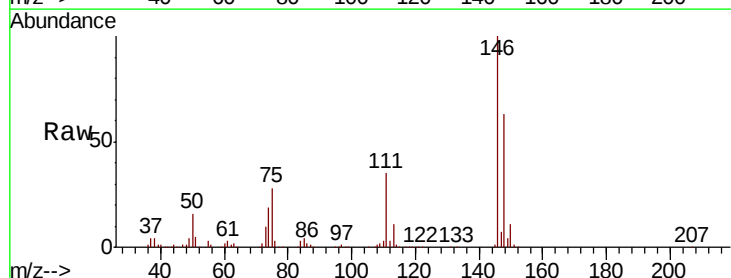
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

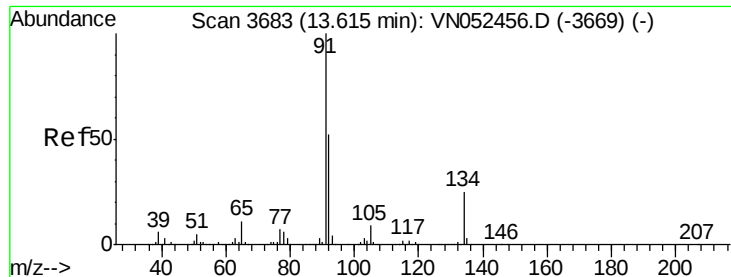
Tot Ion:146 Resp: 404460
Ion Ratio Lower Upper
146 100
111 37.9 19.7 59.0
148 64.0 32.3 96.8



#84
1,4-Dichlorobenzene
Concen: 20.701 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion:146 Resp: 389729
Ion Ratio Lower Upper
146 100
111 36.1 18.8 56.3
148 63.2 32.5 97.4

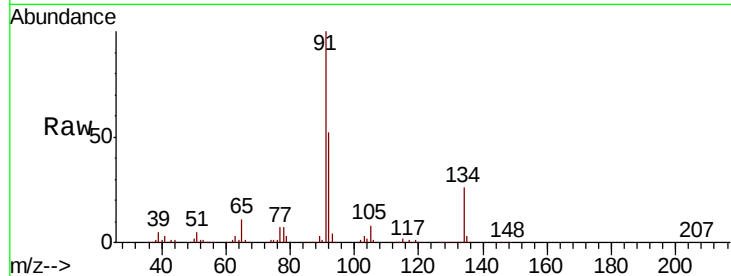




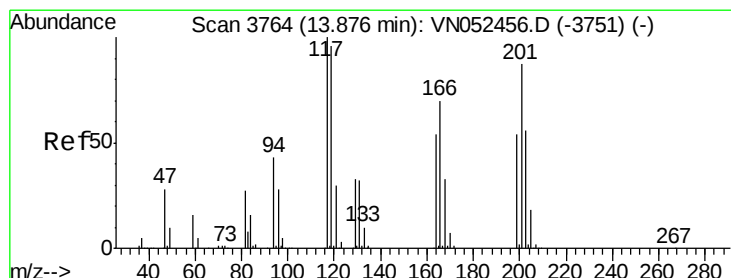
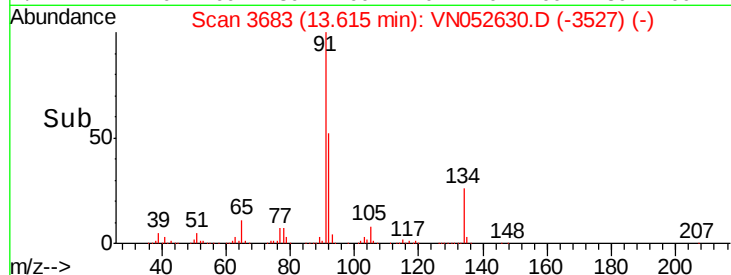
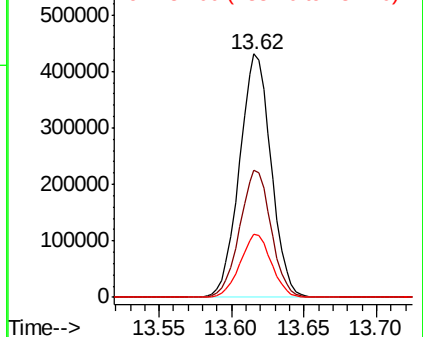
#85
n-Butylbenzene
Concen: 19.858 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBS02

Tot Ion: 91 Resp: 651907
Ion Ratio Lower Upper
91 100
92 51.7 0.0 104.2
134 25.5 0.0 50.6

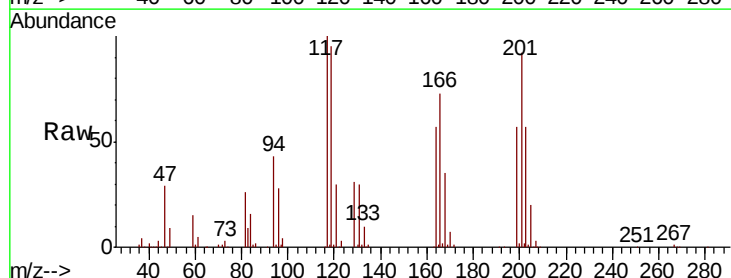


Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)

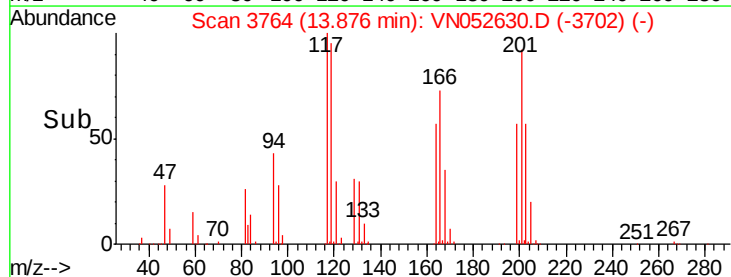
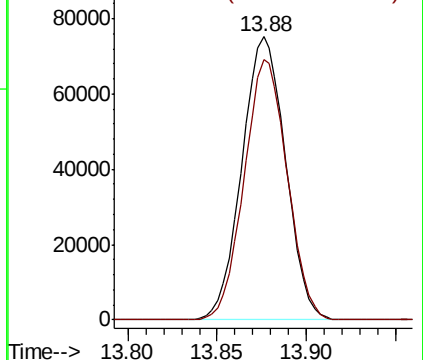


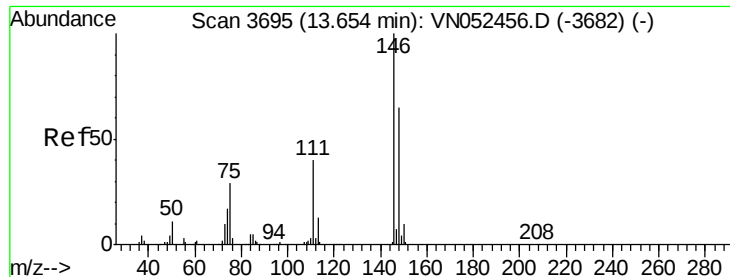
#86
Hexachloroethane
Concen: 19.887 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052630.D
Acq: 3 Dec 2018 14:42

Tgt Ion: 117 Resp: 128781
Ion Ratio Lower Upper
117 100
201 90.4 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)
Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)

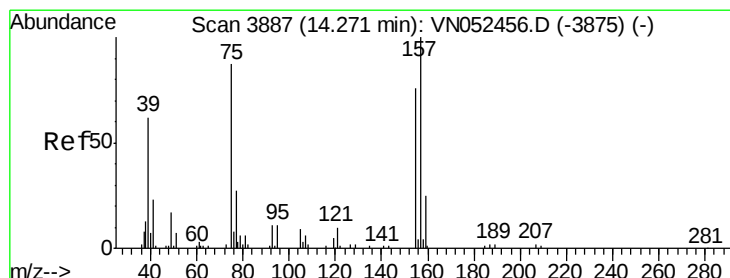
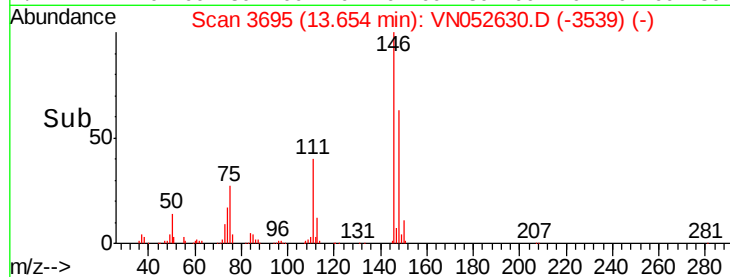
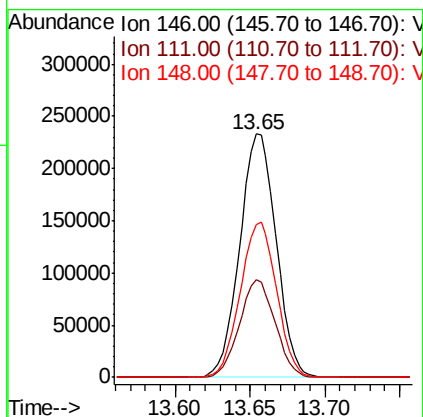
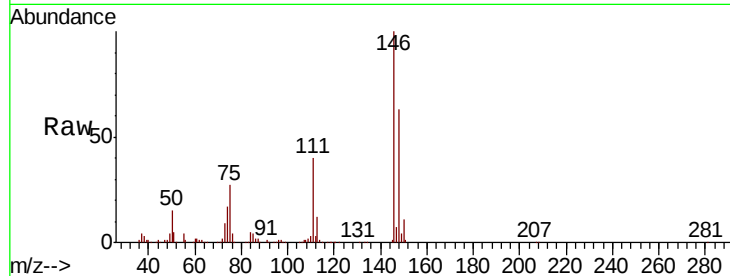




#87
 1,2-Dichlorobenzene
 Concen: 21.302 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

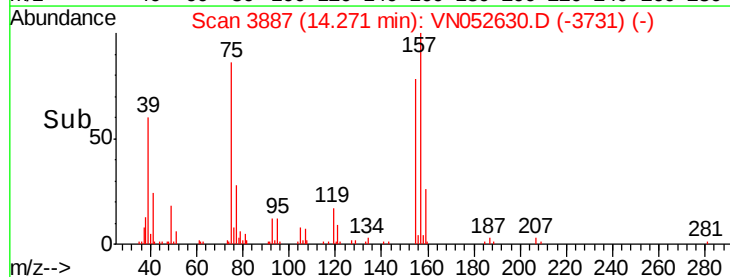
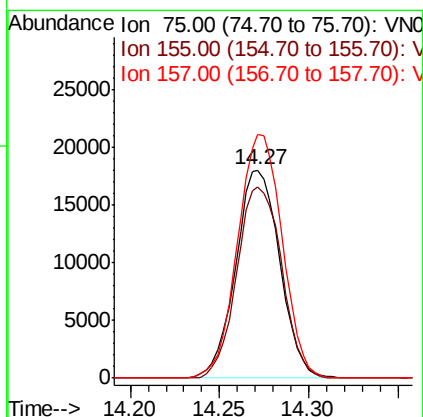
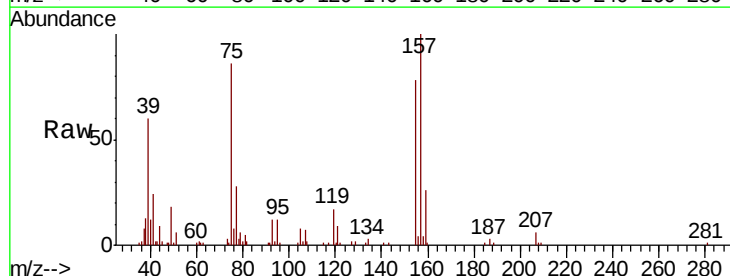
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBS02

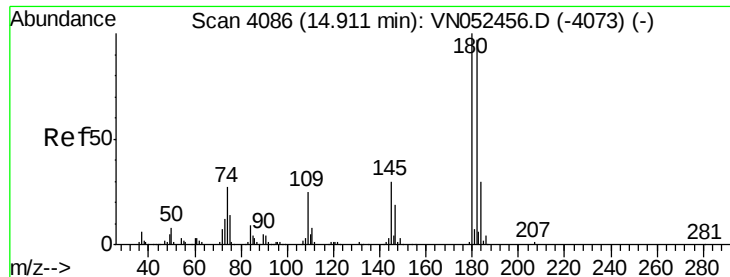
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	63.5	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.270 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	72.2	108.2
157	117.9	94.2	141.2

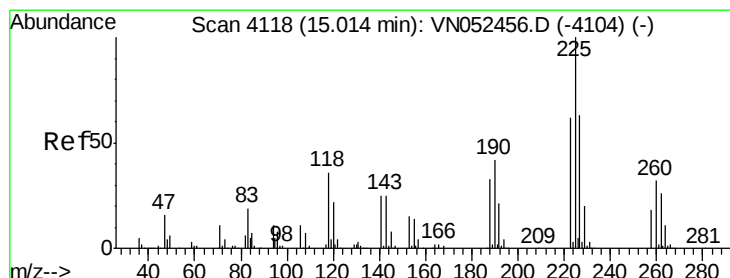
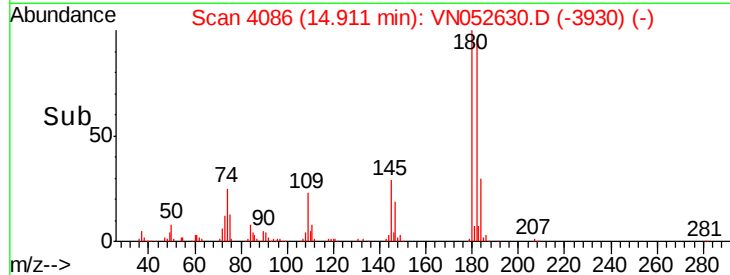
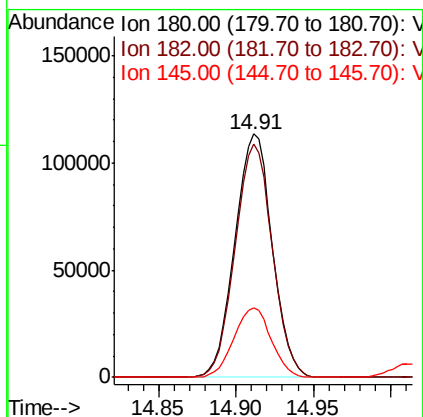
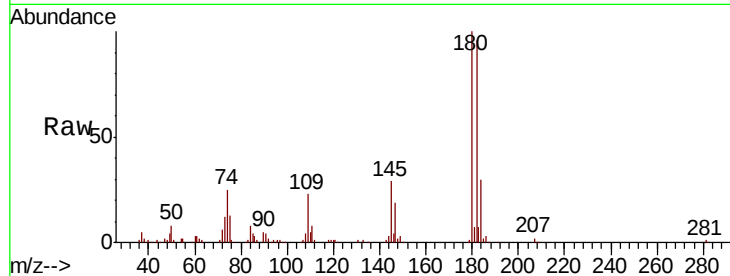




#89
 1,2,4-Trichlorobenzene
 Concen: 20.875 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

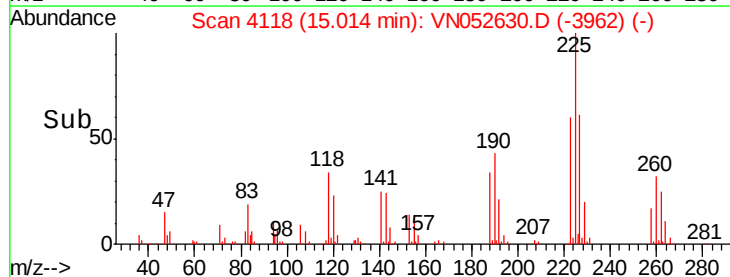
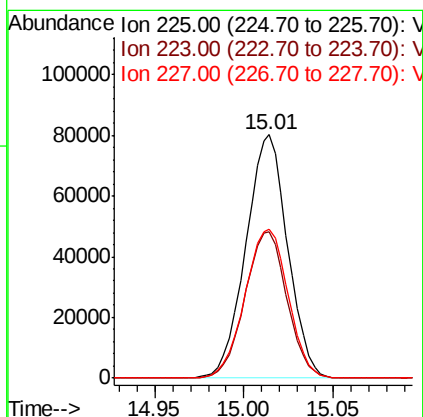
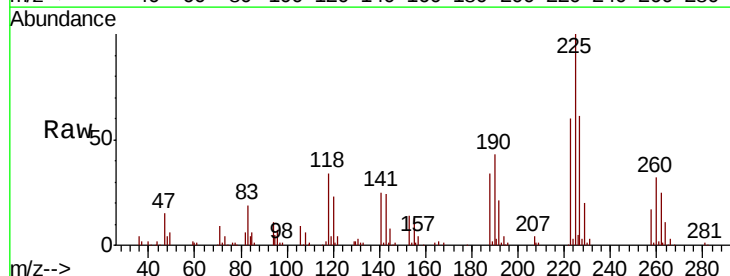
Instrument :
 MSVOA_N
 ClientSampled :
 VN1203WBS02

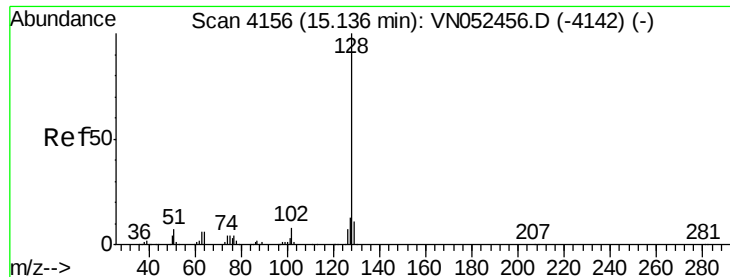
Tot Ion:180 Resp: 190708
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 145 28.4 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 21.864 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052630.D
 Acq: 3 Dec 2018 14:42

Tgt Ion:225 Resp: 131030
 Ion Ratio Lower Upper
 225 100
 223 60.5 0.0 125.6
 227 63.2 0.0 127.8





#91

Naphthalene

Concen: 21.345 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBS02

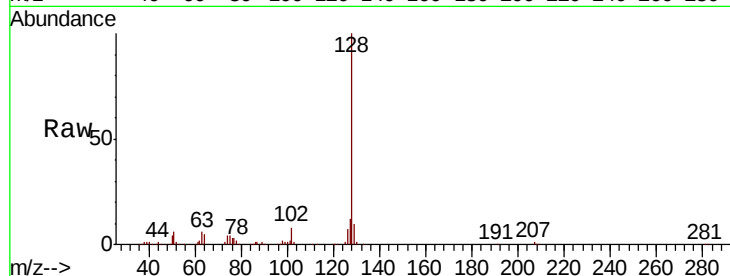
Tot Ion:128 Resp: 393785

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

129 10.6 8.5 12.7

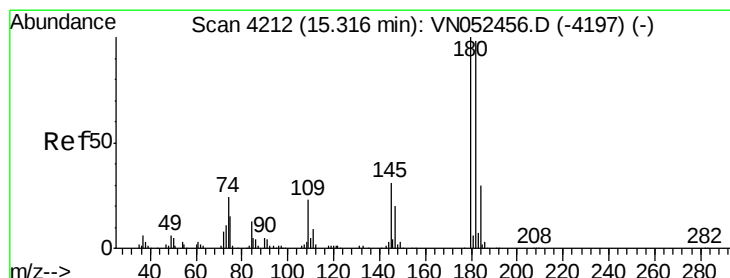
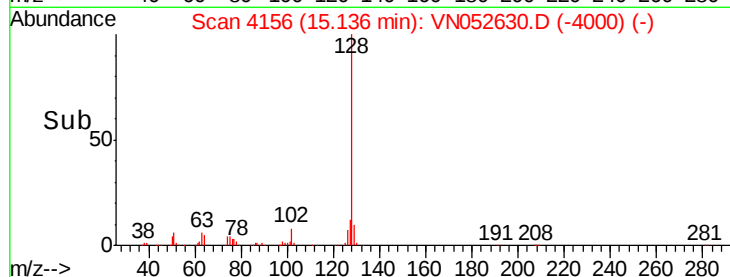
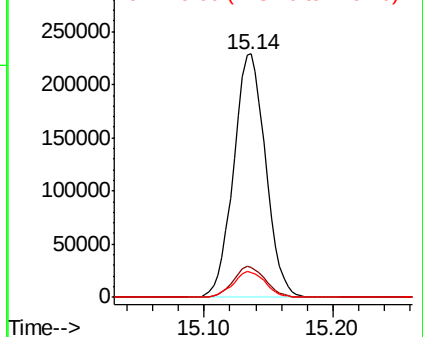


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 21.650 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052630.D

Acq: 3 Dec 2018 14:42

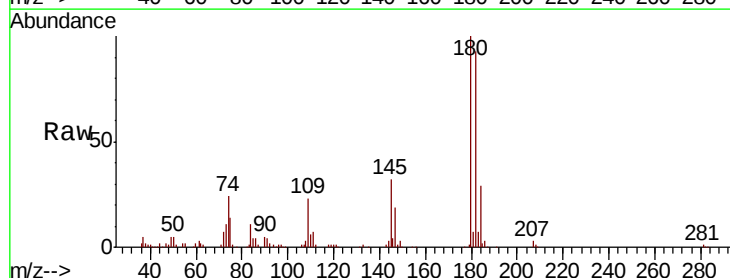
Tgt Ion:180 Resp: 182275

Ion Ratio Lower Upper

180 100

182 95.4 0.0 196.2

145 30.9 0.0 62.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

