

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052021.D
 Acq On : 26 Oct 2018 12:06
 Operator : MD\SY
 Sample : VN1026WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Quant Time: Oct 26 23:19:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1278405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1777297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1645406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	819428	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	522436	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.76%		
35) Dibromofluoromethane	7.59	113	557480	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.32%		
50) Toluene-d8	10.09	98	2016679	49.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.42%		
62) 4-Bromofluorobenzene	12.40	95	670216	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	233449	28.776	ug/l	99
3) Chloromethane	2.06	50	159529	21.839	ug/l	99
4) Vinyl Chloride	2.19	62	194157	19.830	ug/l	99
5) Bromomethane	2.57	94	193469	20.638	ug/l	99
6) Chloroethane	2.71	64	134386	18.487	ug/l	97
7) Trichlorofluoromethane	3.02	101	349213	20.017	ug/l	100
8) Diethyl Ether	3.41	74	98596	19.009	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	213562	20.435	ug/l	99
10) Methyl Iodide	3.96	142	308132	19.928	ug/l	98
11) Tert butyl alcohol	4.78	59	47605	80.791	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	185887	19.861	ug/l	98
13) Acrolein	3.61	56	21023	90.016	ug/l	92
14) Allyl chloride	4.33	41	184196	18.599	ug/l	98
15) Acrylonitrile	4.99	53	237026	95.290	ug/l	98
16) Acetone	3.82	43	168552	89.852	ug/l	97
17) Carbon Disulfide	4.06	76	433278	19.475	ug/l	99
18) Methyl Acetate	4.33	43	97117	15.454	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	475623	18.928	ug/l	99
20) Methylene Chloride	4.56	84	205456	18.670	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	207158	19.544	ug/l	96
22) Diisopropyl ether	5.95	45	434342	19.169	ug/l	98
23) Vinyl Acetate	5.90	43	1509031	97.901	ug/l	99
24) 1,1-Dichloroethane	5.85	63	311046	18.803	ug/l	99
25) 2-Butanone	6.84	43	256555	95.935	ug/l	98
26) 2,2-Dichloropropane	6.82	77	286543	18.932	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	240465	19.420	ug/l	98
28) Bromochloromethane	7.20	49	110164	16.523	ug/l	91
29) Tetrahydrofuran	7.21	42	163055	89.992	ug/l	99
30) Chloroform	7.37	83	379331	18.779	ug/l	100
31) Cyclohexane	7.66	56	277634	19.289	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	348156	18.849	ug/l	100
36) 1,1-Dichloropropene	7.79	75	266241	19.529	ug/l	98
37) Ethyl Acetate	6.93	43	119514	18.408	ug/l	98
38) Carbon Tetrachloride	7.78	117	312472	19.964	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	337475	20.267	ug/l	98
40) Benzene	8.04	78	817582	20.198	ug/l	98
41) Methacrylonitrile	7.17	41	56332	18.388	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	252484	19.453	ug/l	100
43) Isopropyl Acetate	8.16	43	222986	19.530	ug/l	98
44) Trichloroethene	8.84	130	268680	20.679	ug/l	97
45) 1,2-Dichloropropane	9.12	63	185653	20.274	ug/l	100
46) Dibromomethane	9.21	93	142963	19.368	ug/l	95
47) Bromodichloromethane	9.40	83	270725	19.420	ug/l	99
48) Methyl methacrylate	9.20	41	105923	19.193	ug/l	99
49) 1,4-Dioxane	9.20	88	32833	324.456	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	605125	96.351	ug/l	98
52) Toluene	10.16	92	563154	20.516	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	251800	18.490	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	297382	20.409	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	197235	19.447	ug/l	97
56) Ethyl methacrylate	10.43	69	210335	19.293	ug/l	99
57) 1,3-Dichloropropane	10.71	76	301684	19.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	560342	98.231	ug/l	99
59) 2-Hexanone	10.75	43	406083	96.233	ug/l	99
60) Dibromochloromethane	10.90	129	227245	18.847	ug/l	100
61) 1,2-Dibromoethane	11.01	107	209979	19.636	ug/l	100
64) Tetrachloroethene	10.63	164	263810	20.889	ug/l	97
65) Chlorobenzene	11.43	112	674086	20.291	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	240078	20.106	ug/l	99
67) Ethyl Benzene	11.51	91	1054799	19.753	ug/l	98
68) m/p-Xylenes	11.62	106	867374	40.653	ug/l	100
69) o-Xylene	11.95	106	423525	20.411	ug/l	97
70) Styrene	11.96	104	670883	20.229	ug/l	100
71) Bromoform	12.13	173	138794	18.213	ug/l #	99
73) Isopropylbenzene	12.25	105	1124205	21.633	ug/l	100
74) N-amyl acetate	12.07	43	192089	18.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	205459	19.134	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	249003	29.418	ug/l #	100
77) Bromobenzene	12.53	156	309106	21.552	ug/l	97
78) n-propylbenzene	12.59	91	1208663	21.560	ug/l	100
79) 2-Chlorotoluene	12.67	91	695827	21.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	910526	21.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46328	18.811	ug/l	97
82) 4-Chlorotoluene	12.77	91	706136	20.891	ug/l	98
83) tert-Butylbenzene	12.99	119	824816	20.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	924448	21.495	ug/l	100
85) sec-Butylbenzene	13.17	105	1086710	21.100	ug/l	100
86) p-Isopropyltoluene	13.29	119	973151	20.987	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	537397	20.316	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	527074	20.211	ug/l	98
89) n-Butylbenzene	13.61	91	726932	19.688	ug/l	99
90) Hexachloroethane	13.87	117	134485	19.468	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	492613	19.250	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21627	13.117	ug/l	90

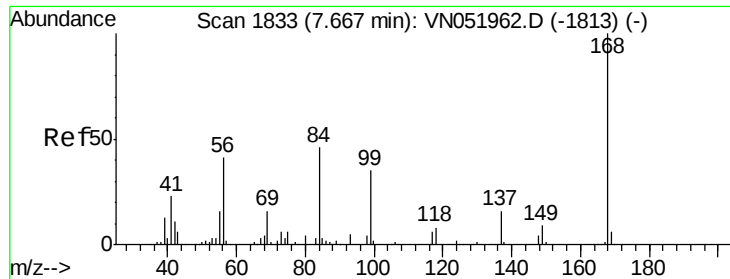
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
Data File : VN052021.D
Acq On : 26 Oct 2018 12:06
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Sample : VN1026WBS01
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188955	12.500	ug/l	99
94) Hexachlorobutadiene	15.01	225	120079	15.460	ug/l	98
95) Naphthalene	15.13	128	361862	11.023	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	157315	10.888	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

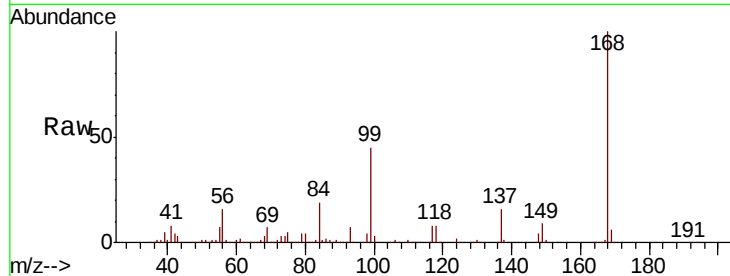
VN1026WBS01

Tot Ion:168 Resp: 1278405

Ion Ratio Lower Upper

168 100

99 44.5 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

600000

500000

400000

300000

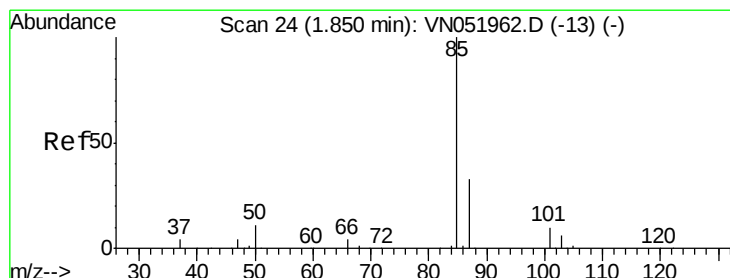
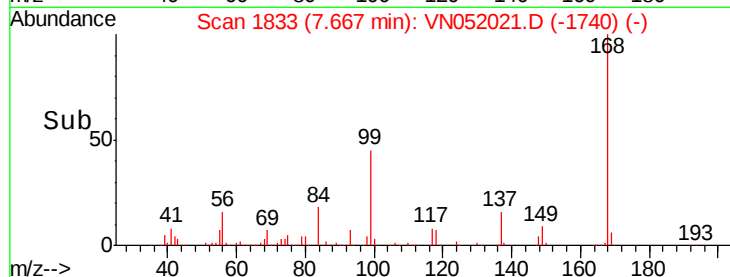
200000

100000

0

7.60 7.65 7.70 7.75 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 28.776 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052021.D

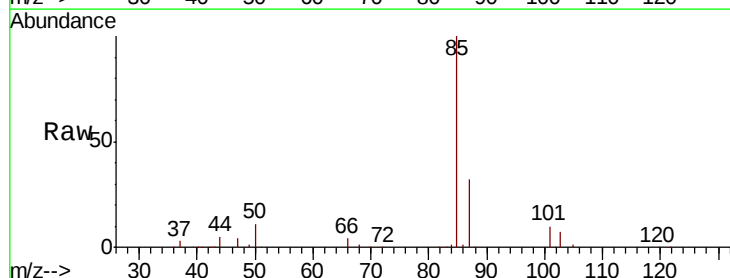
Acq: 26 Oct 2018 12:06

Tgt Ion: 85 Resp: 233449

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN051962.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051962.D (-13) (-)

1.85

150000

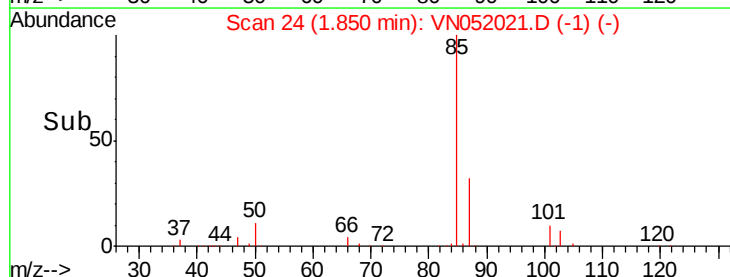
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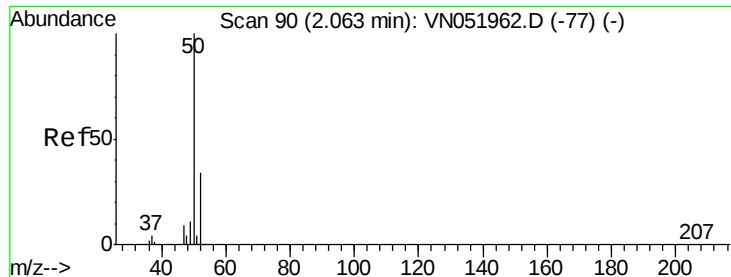
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.839 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampled :

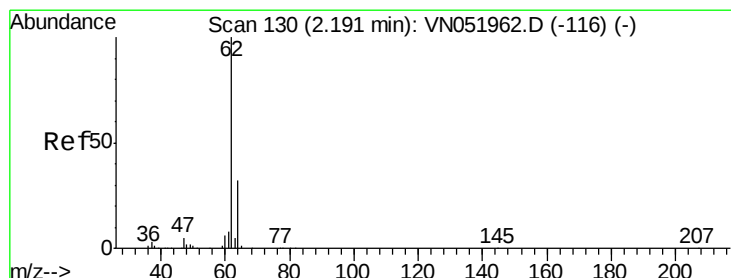
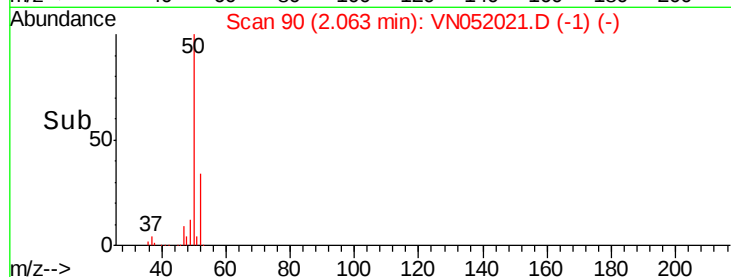
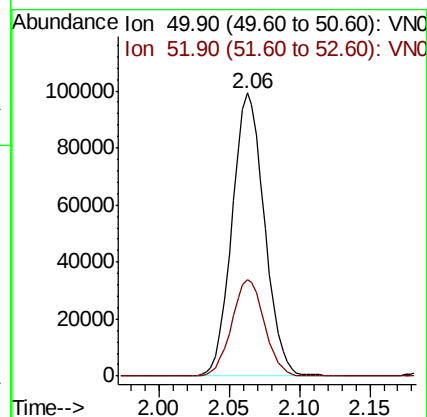
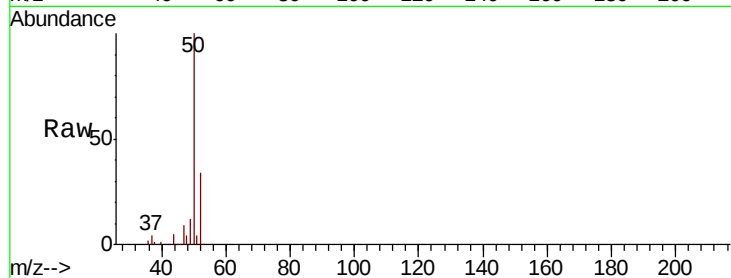
VN1026WBS01

Tot Ion: 50 Resp: 159529

Ion Ratio Lower Upper

50 100

52 33.9 27.5 41.3



#4

Vinyl Chloride

Concen: 19.830 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052021.D

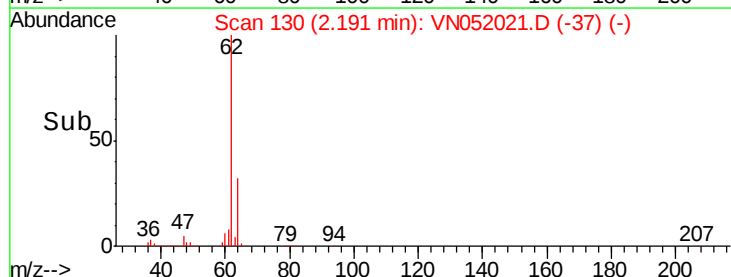
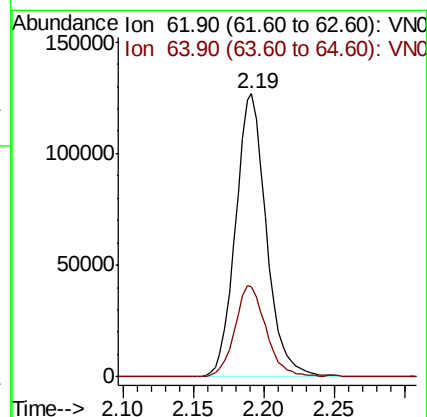
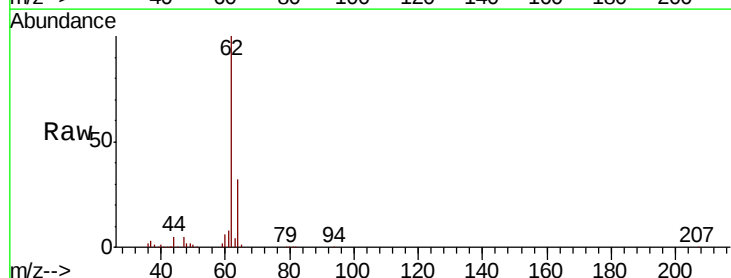
Acq: 26 Oct 2018 12:06

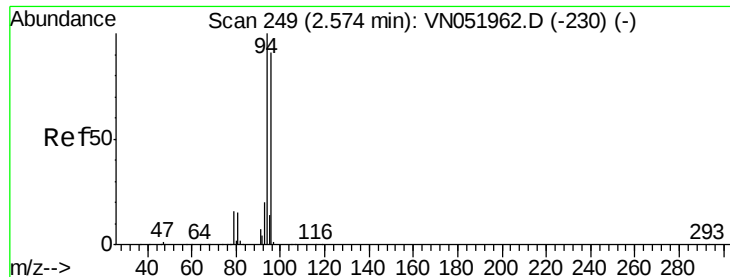
Tgt Ion: 62 Resp: 194157

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0





#5

Bromomethane

Concen: 20.638 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

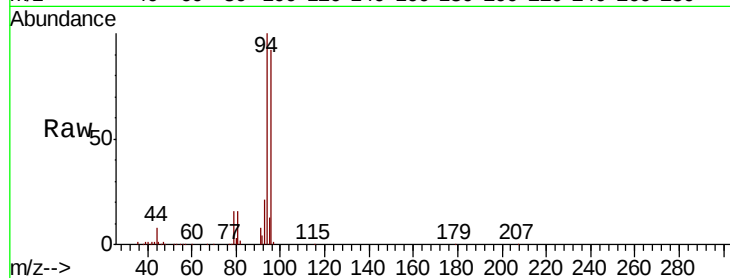
VN1026WBS01

Tot Ion: 94 Resp: 193469

Ion Ratio Lower Upper

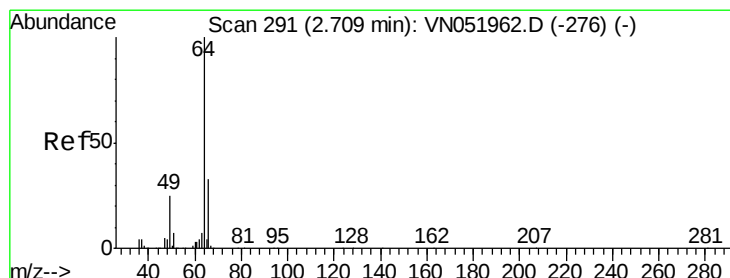
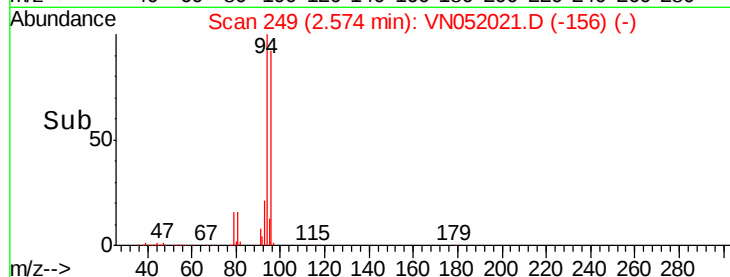
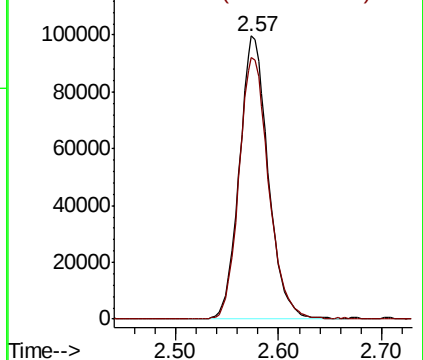
94 100

96 92.3 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.487 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052021.D

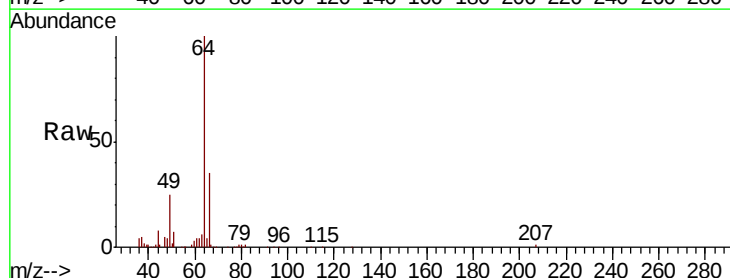
Acq: 26 Oct 2018 12:06

Tgt Ion: 64 Resp: 134386

Ion Ratio Lower Upper

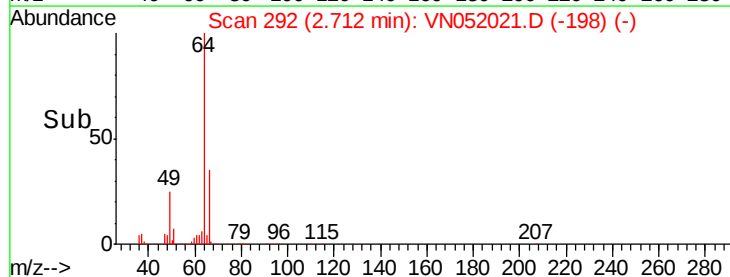
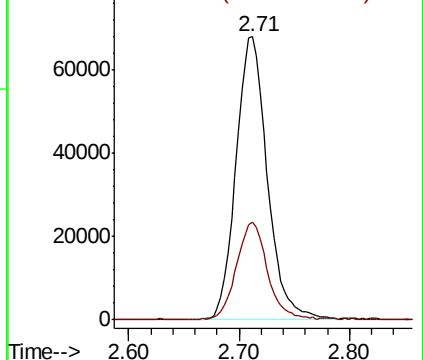
64 100

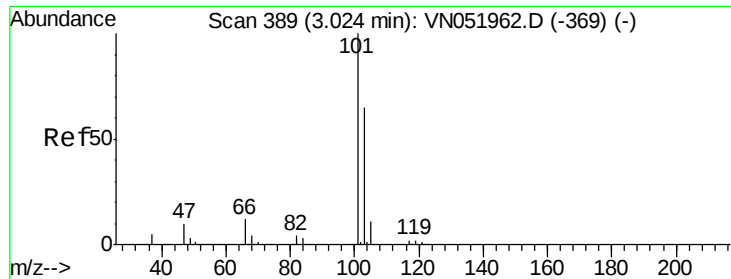
66 34.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



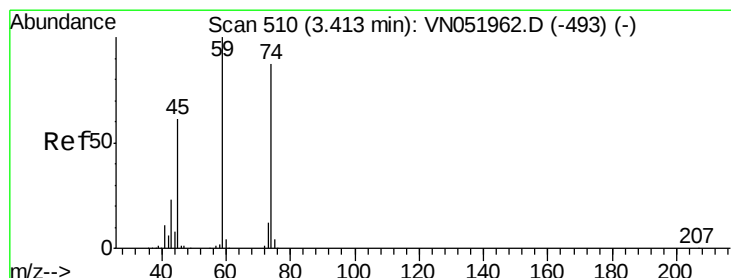
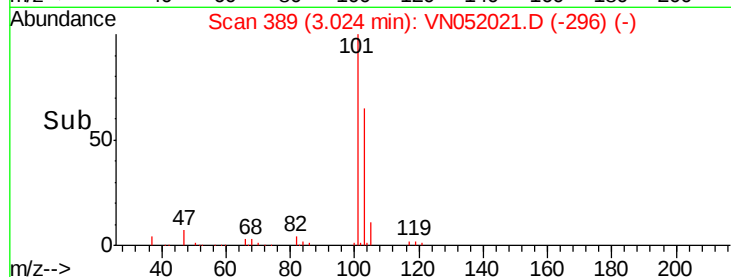
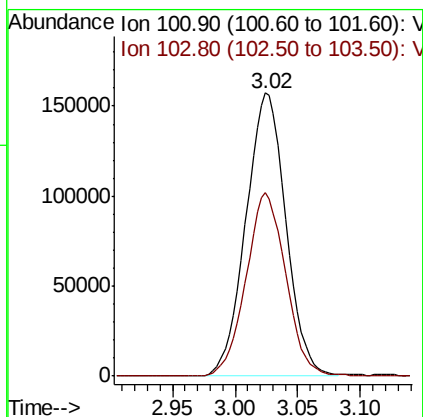
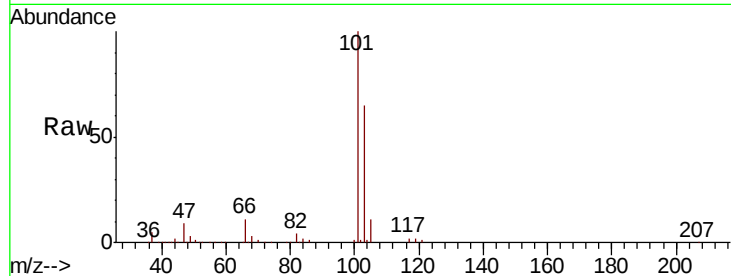


#7

Trichlorofluoromethane
 Concen: 20.017 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

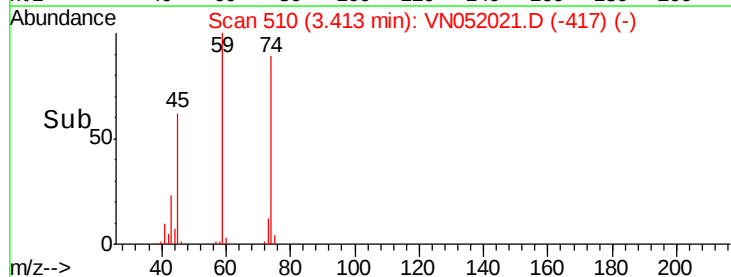
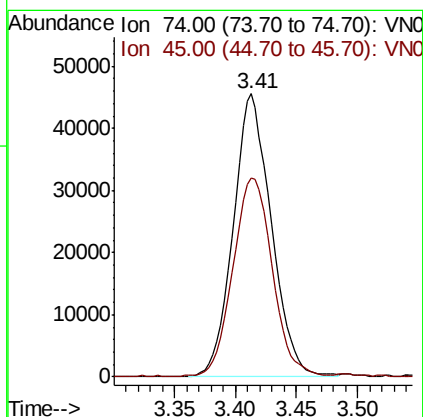
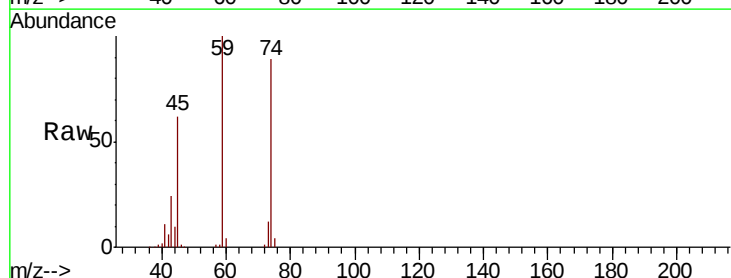
Tot Ion:101 Resp: 349213
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.0 78.0

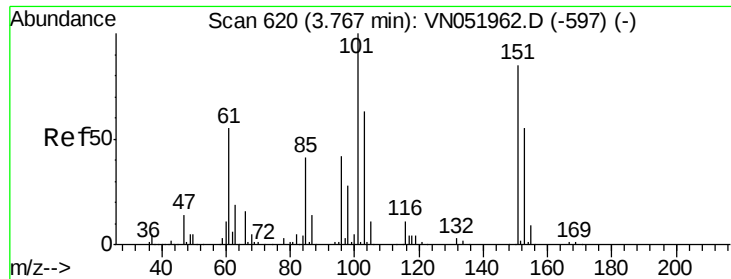


#8

Diethyl Ether
 Concen: 19.009 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion: 74 Resp: 98596
 Ion Ratio Lower Upper
 74 100
 45 72.8 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.435 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

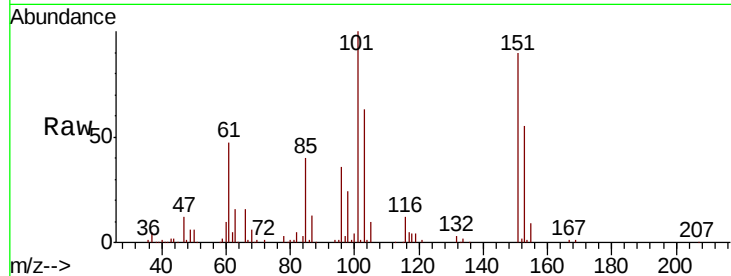
Tot Ion:101 Resp: 213562

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.4

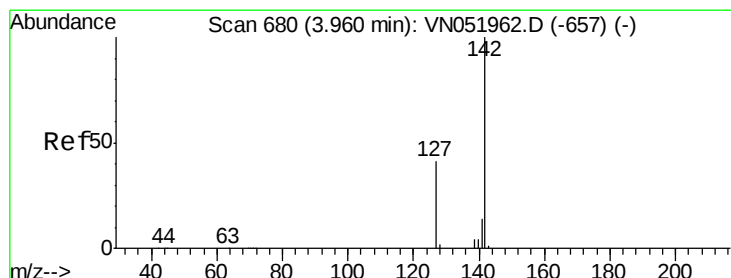
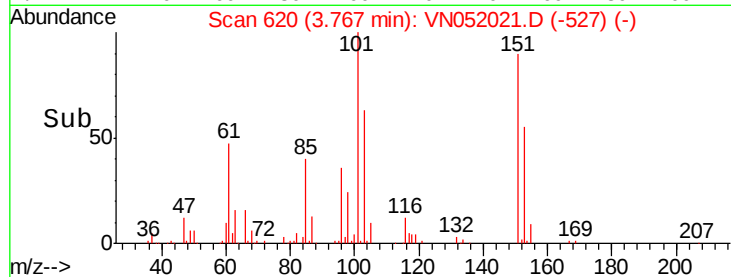
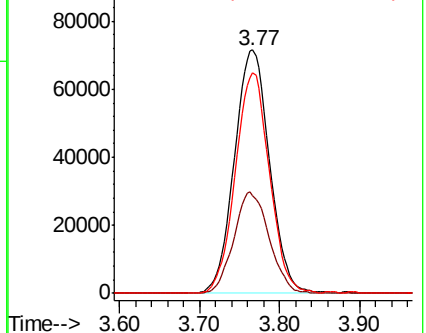
151 87.6 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.928 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

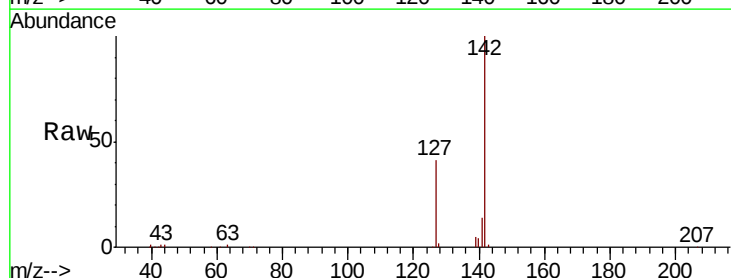
Tgt Ion:142 Resp: 308132

Ion Ratio Lower Upper

142 100

127 41.5 34.3 51.5

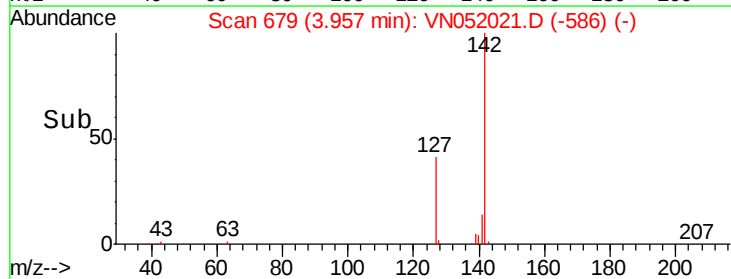
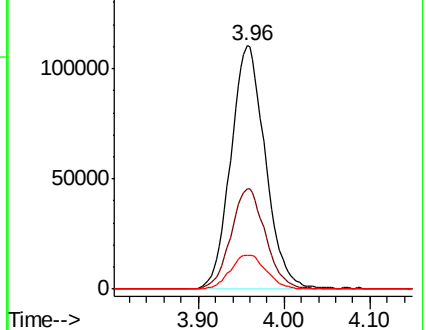
141 14.4 11.4 17.0

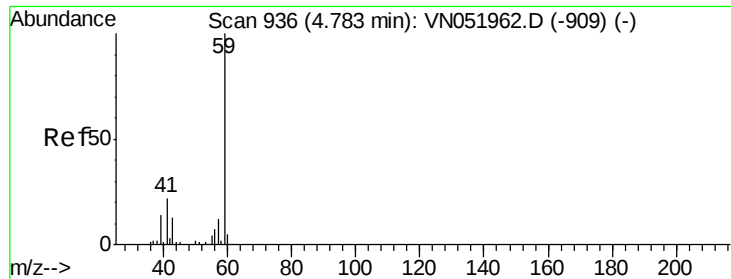


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



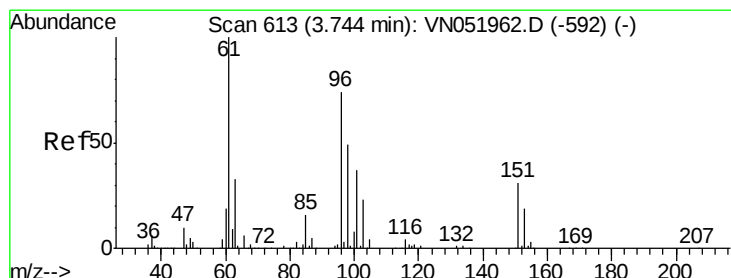
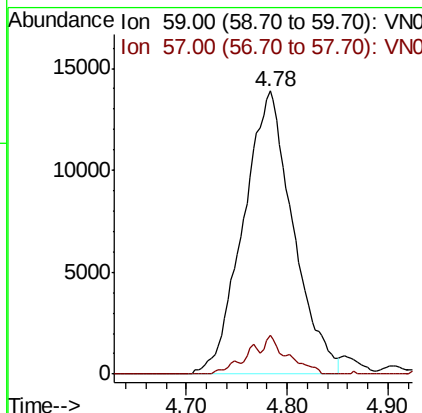
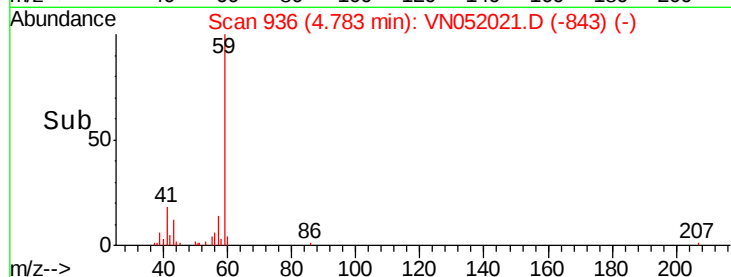
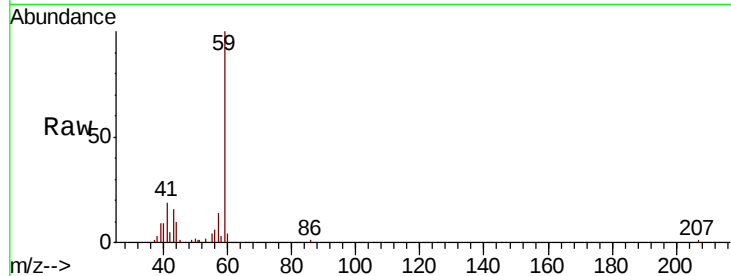


#11

Tert butyl alcohol
 Concen: 80.791 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

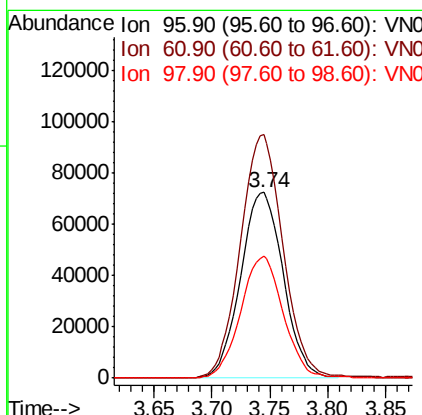
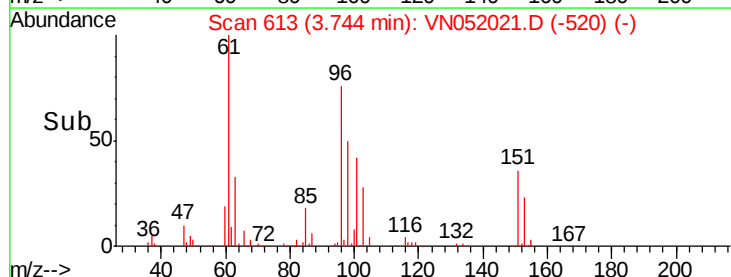
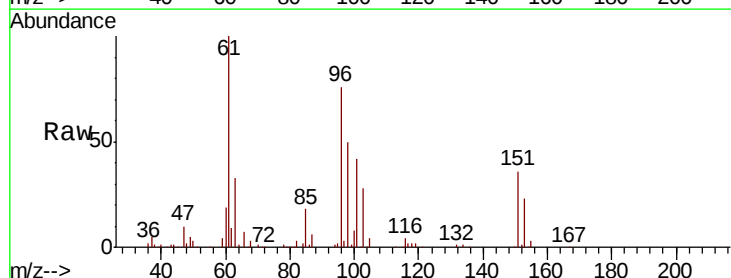
Tot Ion: 59 Resp: 47605
 Ion Ratio Lower Upper
 59 100
 57 6.4 8.2 12.4#

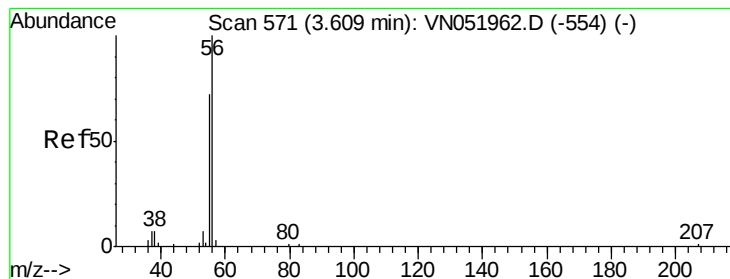


#12

1,1-Dichloroethene
 Concen: 19.861 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion: 96 Resp: 185887
 Ion Ratio Lower Upper
 96 100
 61 131.3 107.8 161.8
 98 65.9 52.7 79.1





#13

Acrolein

Concen: 90.016 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

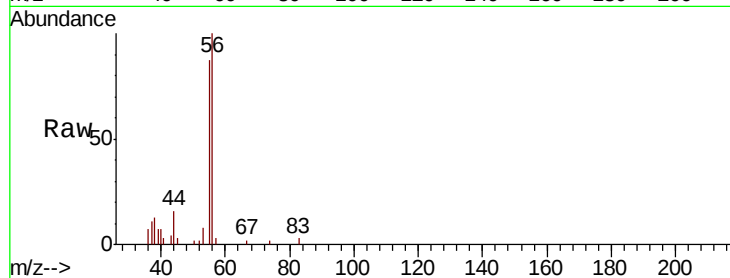
VN1026WBS01

Tot Ion: 56 Resp: 21023

Ion Ratio Lower Upper

56 100

55 76.9 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

8000

6000

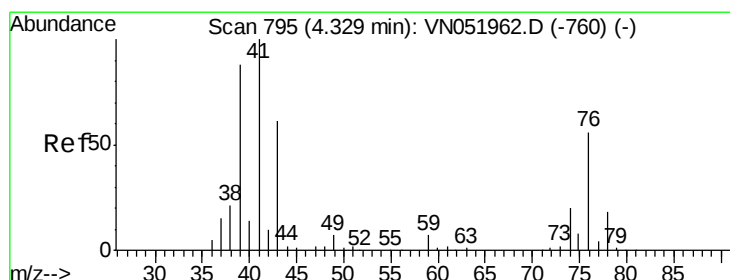
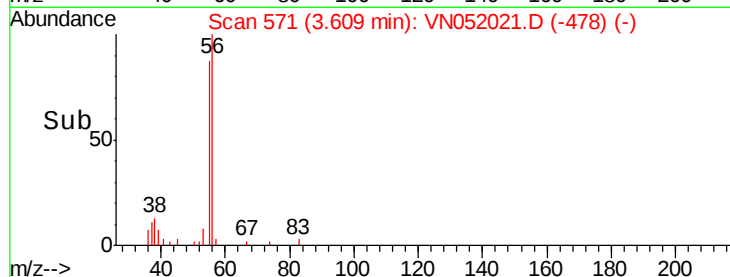
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.599 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

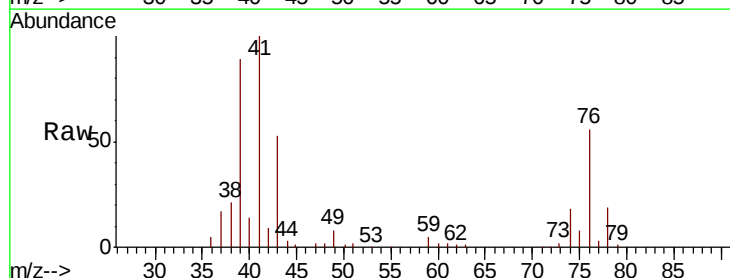
Tgt Ion: 41 Resp: 184196

Ion Ratio Lower Upper

41 100

39 82.5 67.7 101.5

76 52.3 41.3 61.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

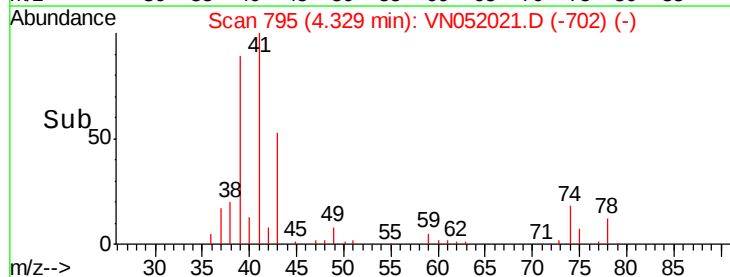
40000

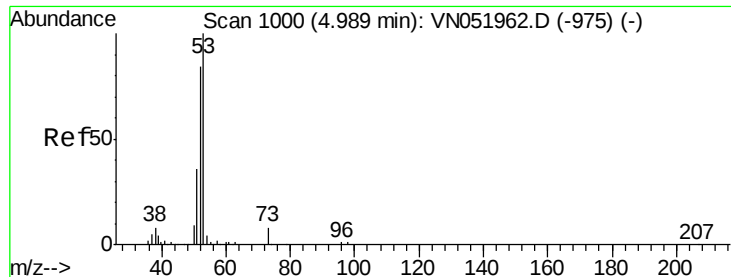
20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 95.290 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

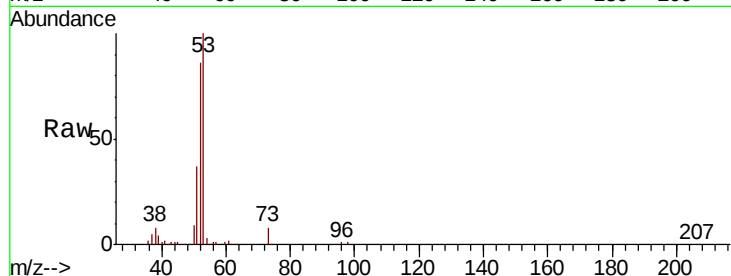
Tot Ion: 53 Resp: 237026

Ion Ratio Lower Upper

53 100

52 82.1 67.0 100.4

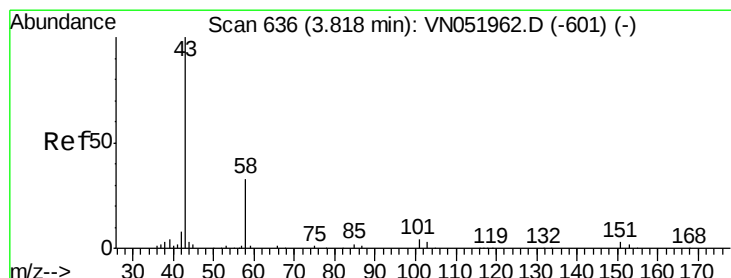
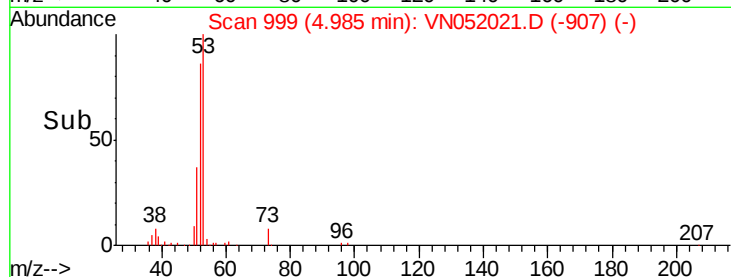
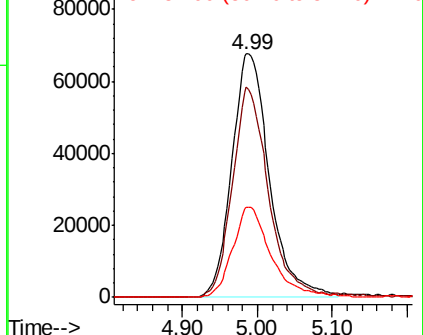
51 37.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 89.852 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052021.D

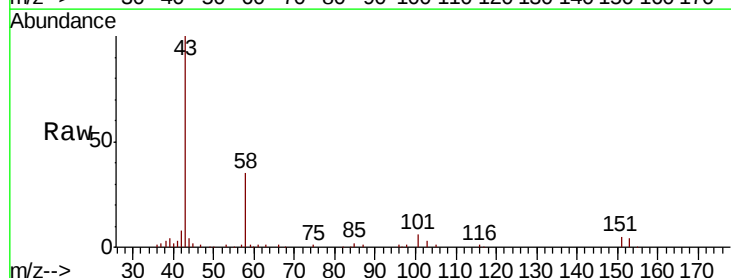
Acq: 26 Oct 2018 12:06

Tgt Ion: 43 Resp: 168552

Ion Ratio Lower Upper

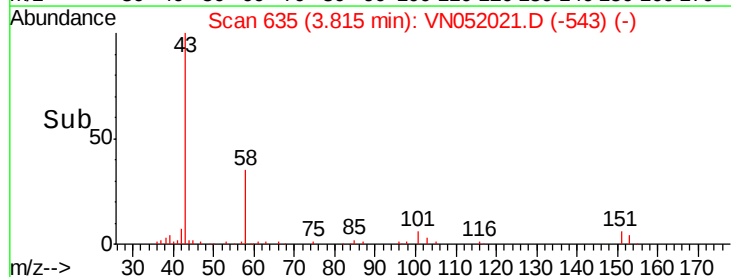
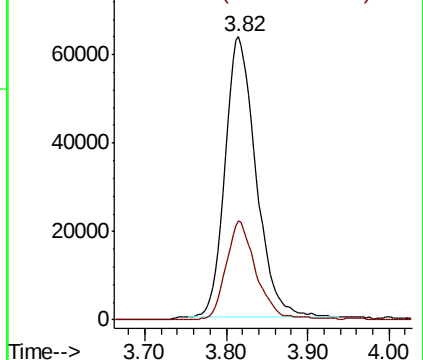
43 100

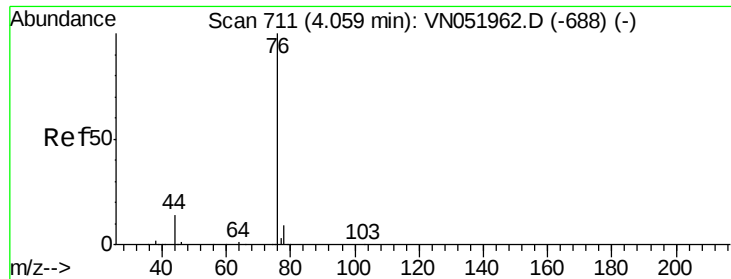
58 35.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.475 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

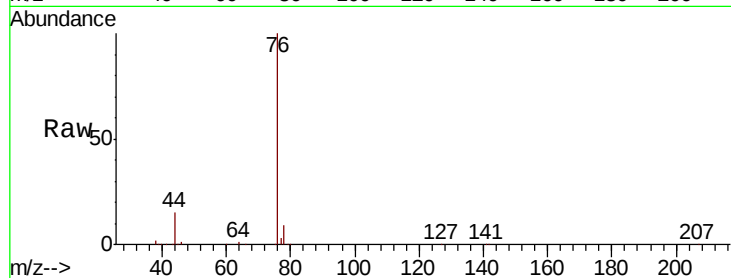
VN1026WBS01

Tot Ion: 76 Resp: 433278

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN051962.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN051962.D (-688) (-)

4.06

150000

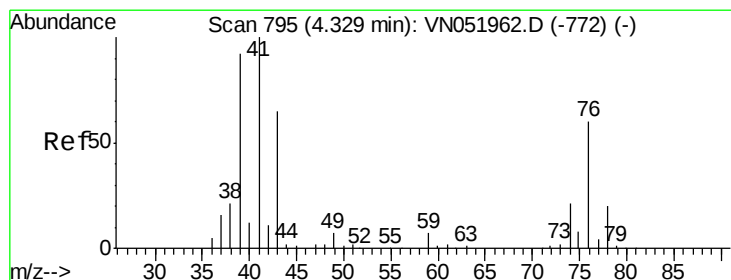
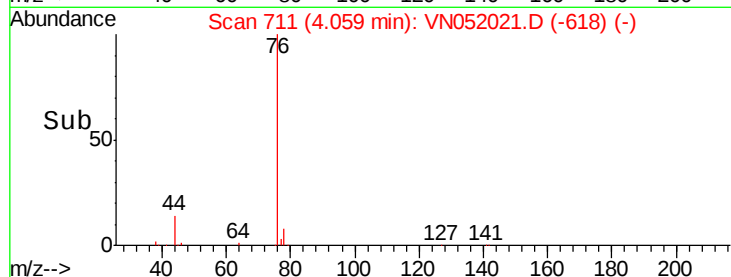
100000

50000

0

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 15.454 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052021.D

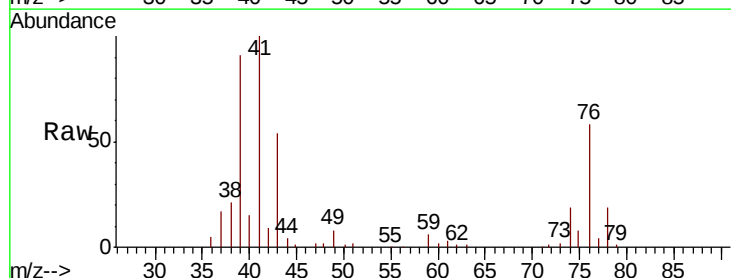
Acq: 26 Oct 2018 12:06

Tgt Ion: 43 Resp: 97117

Ion Ratio Lower Upper

43 100

74 31.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN051962.D (-772) (-)

4.33

30000

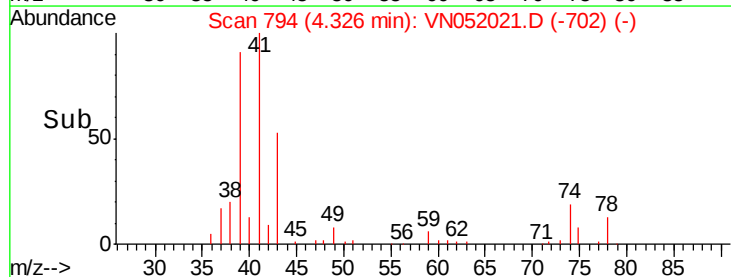
20000

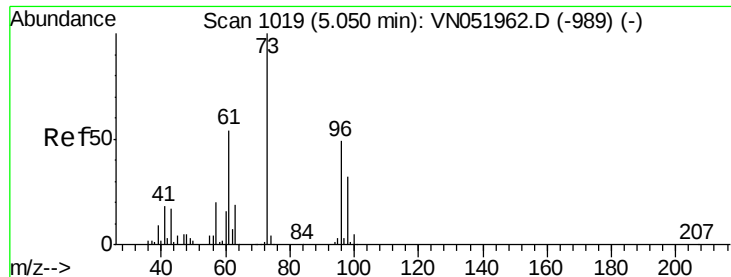
10000

0

4.20 4.30 4.40

Time-->



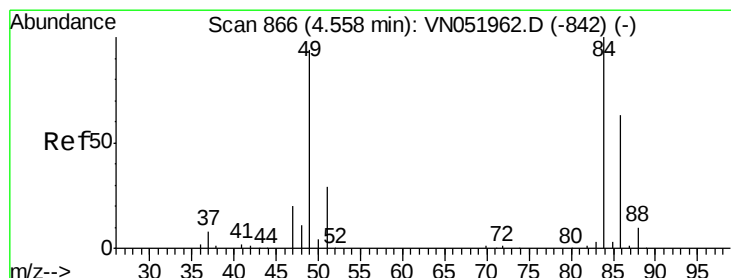
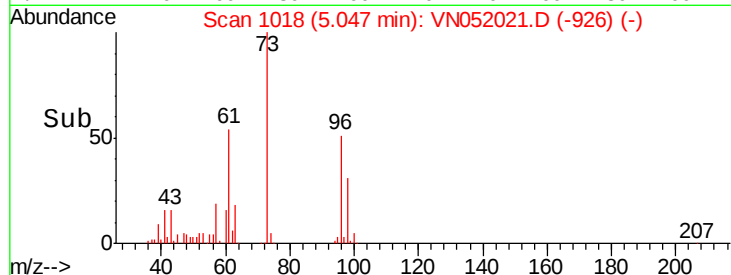
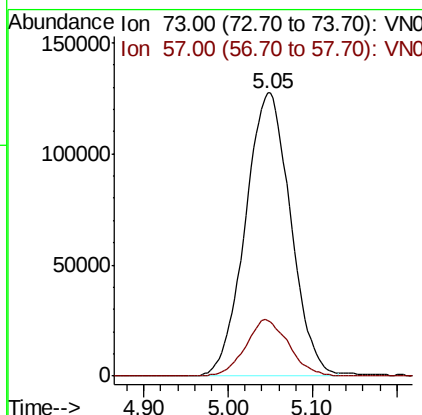
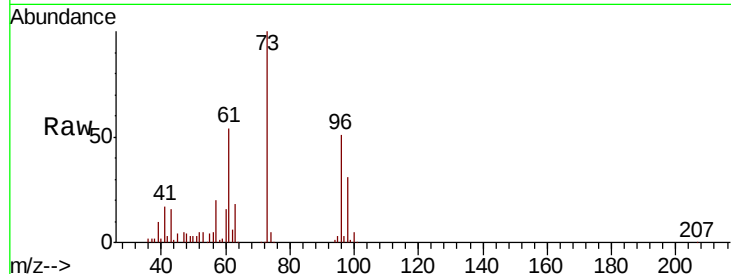


#19

Methyl tert-butyl Ether
 Concen: 18.928 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

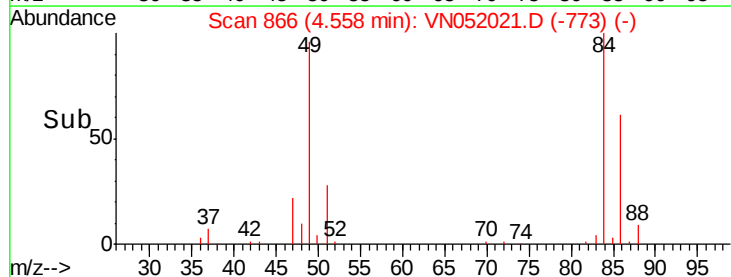
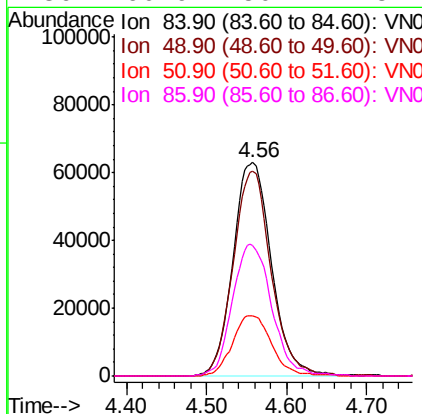
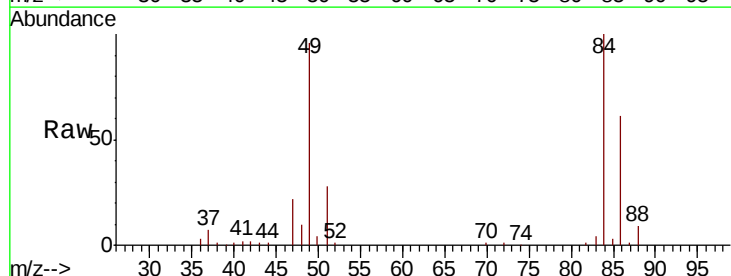
Tot Ion: 73 Resp: 475623
 Ion Ratio Lower Upper
 73 100
 57 19.7 15.9 23.9

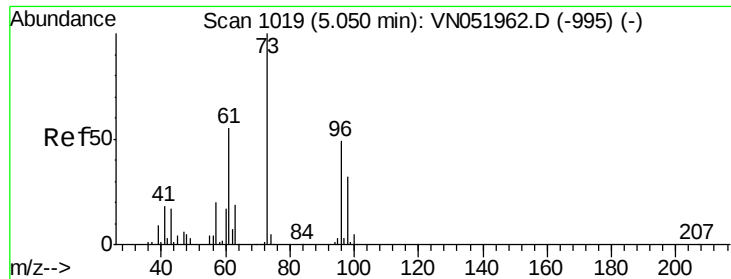


#20

Methylene Chloride
 Concen: 18.670 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion: 84 Resp: 205456
 Ion Ratio Lower Upper
 84 100
 49 96.1 75.4 113.0
 51 28.1 23.1 34.7
 86 60.9 50.2 75.4

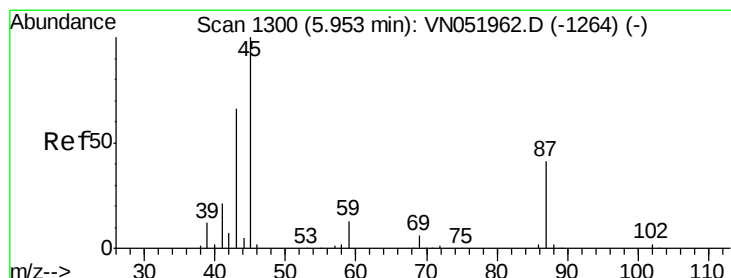
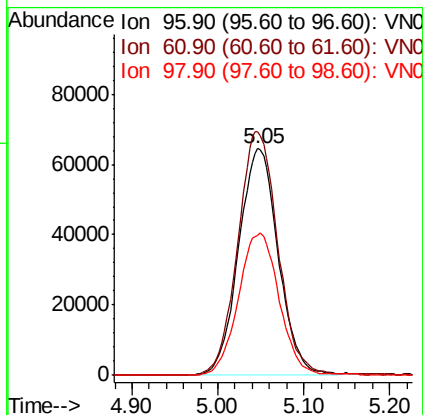
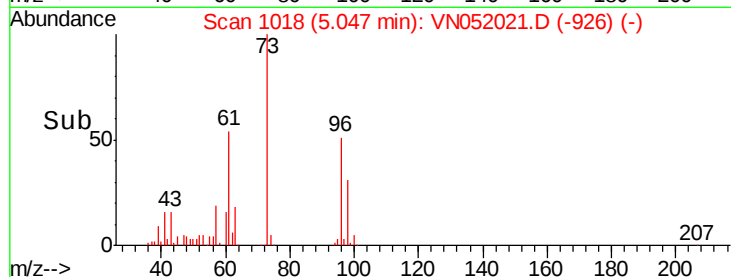
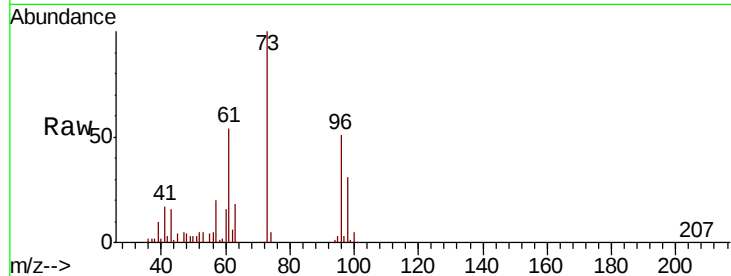




#21
trans-1,2-Dichloroethene
Concen: 19.544 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

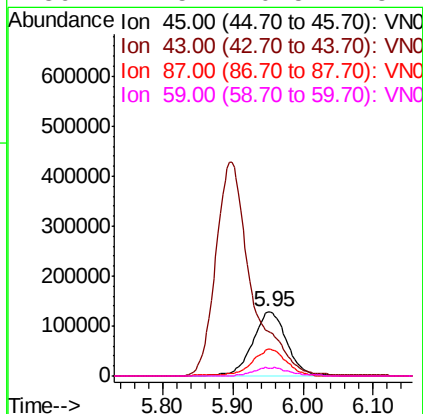
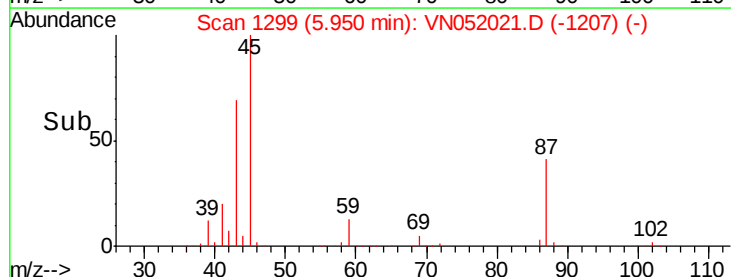
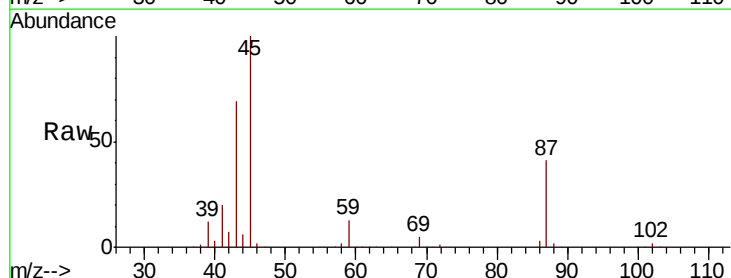
Instrument :
MSVOA_N
ClientSampled :
VN1026WBS01

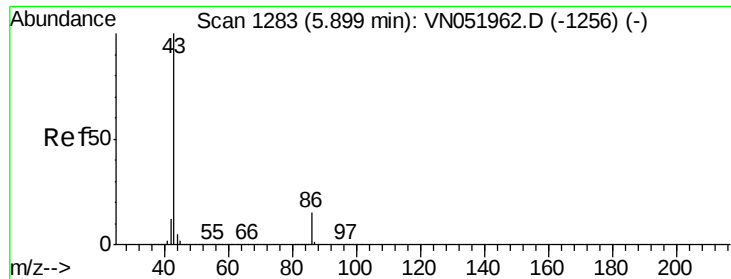
Tot Ion: 96 Resp: 207158
Ion Ratio Lower Upper
96 100
61 107.3 89.0 133.4
98 62.0 51.8 77.8



#22
Diisopropyl ether
Concen: 19.169 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 45 Resp: 434342
Ion Ratio Lower Upper
45 100
43 67.3 52.9 79.3
87 40.7 33.4 50.0
59 12.5 10.5 15.7





#23

Vinyl Acetate

Concen: 97.901 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

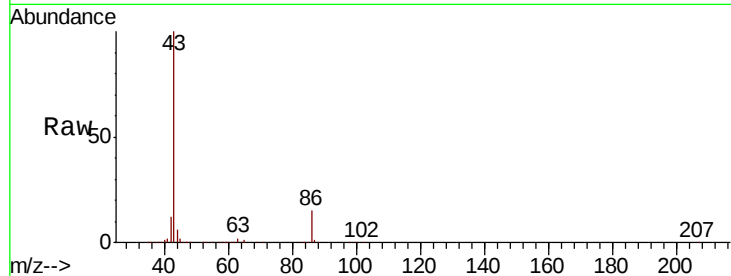
VN1026WBS01

Tot Ion: 43 Resp: 1509031

Ion Ratio Lower Upper

43 100

86 15.2 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051962.D (-1256) (-)

5.90

400000

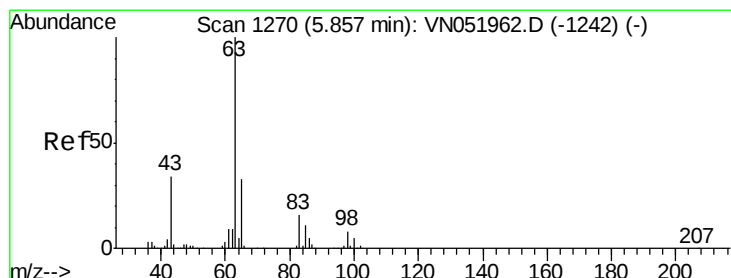
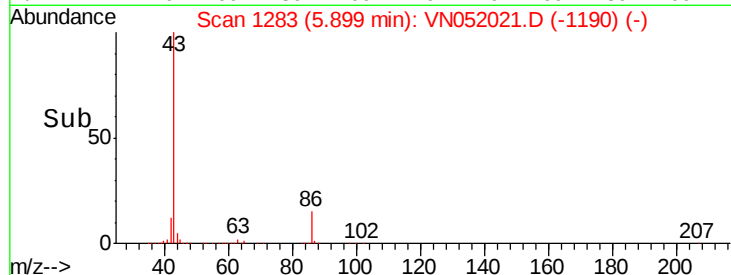
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.803 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

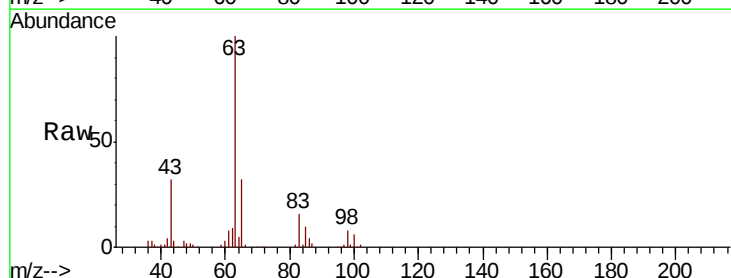
Tgt Ion: 63 Resp: 311046

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

100 5.6 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051962.D (-1242) (-)

5.85

120000

100000

80000

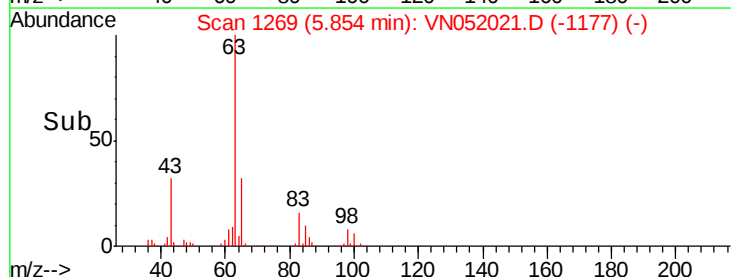
60000

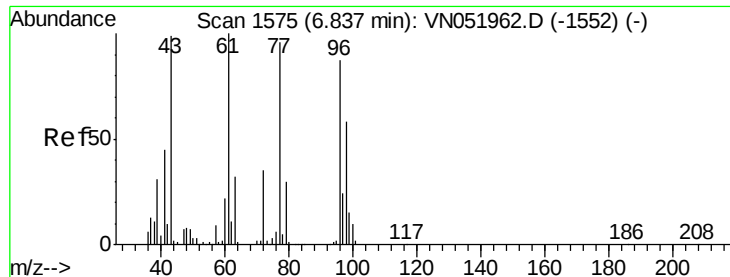
40000

20000

0

Time-->





#25

2-Butanone

Concen: 95.935 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

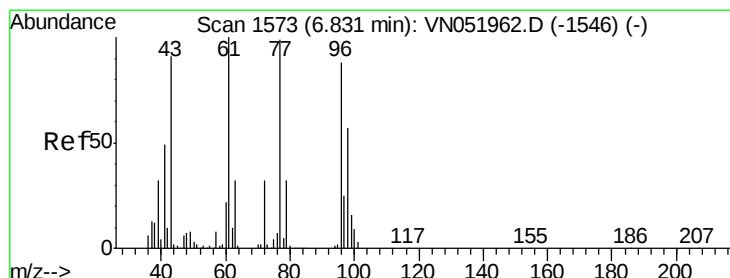
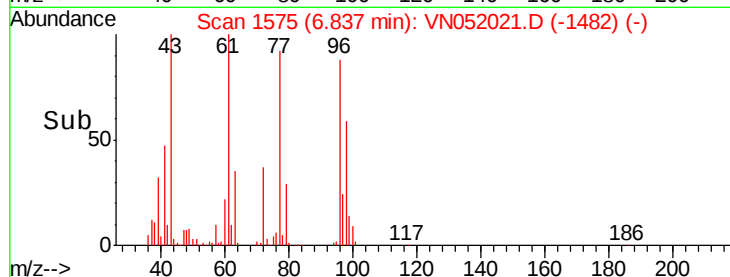
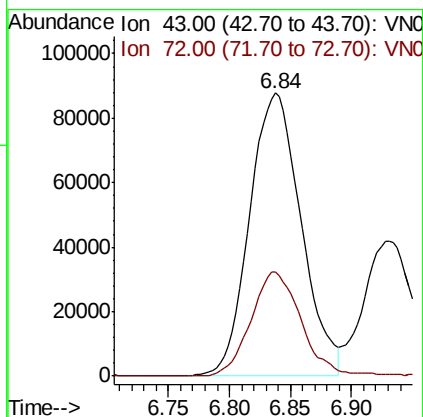
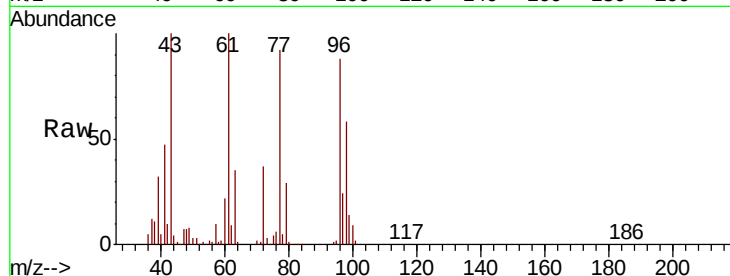
VN1026WBS01

Tot Ion: 43 Resp: 256555

Ion Ratio Lower Upper

43 100

72 37.1 28.5 42.7



#26

2,2-Dichloropropane

Concen: 18.932 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN052021.D

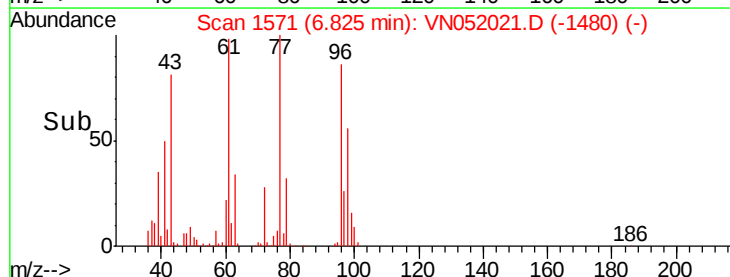
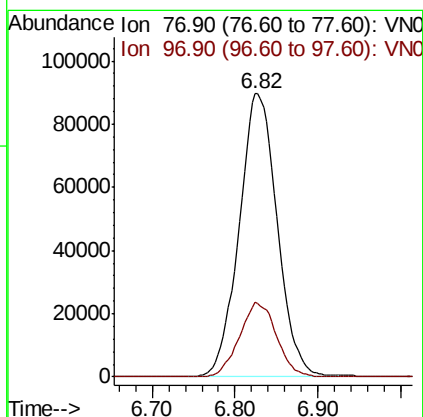
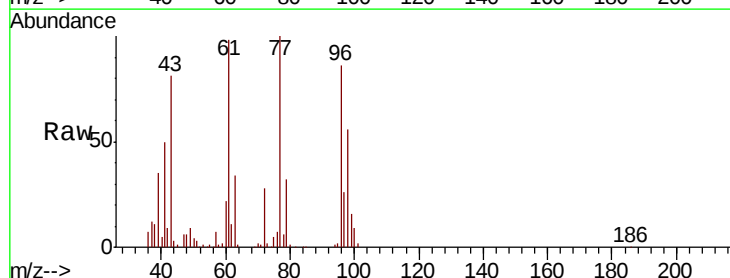
Acq: 26 Oct 2018 12:06

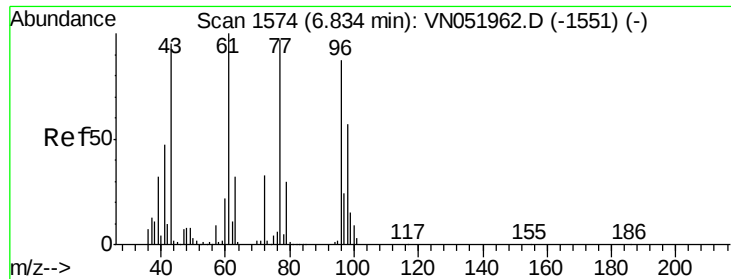
Tgt Ion: 77 Resp: 286543

Ion Ratio Lower Upper

77 100

97 25.5 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 19.420 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

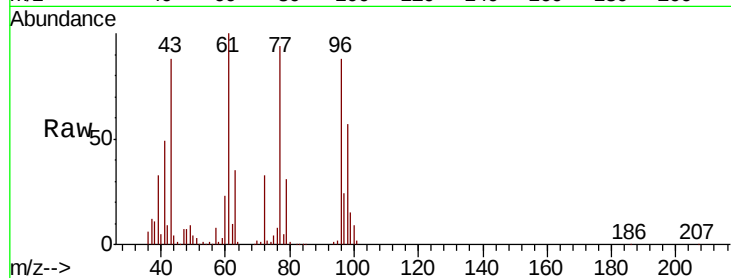
Tot Ion: 96 Resp: 240465

Ion Ratio Lower Upper

96 100

61 114.2 0.0 234.4

98 65.4 0.0 131.6

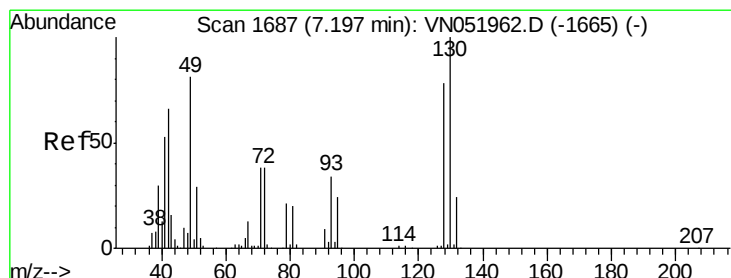
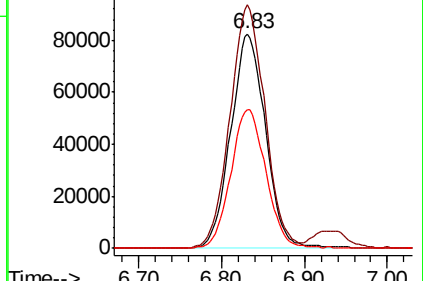
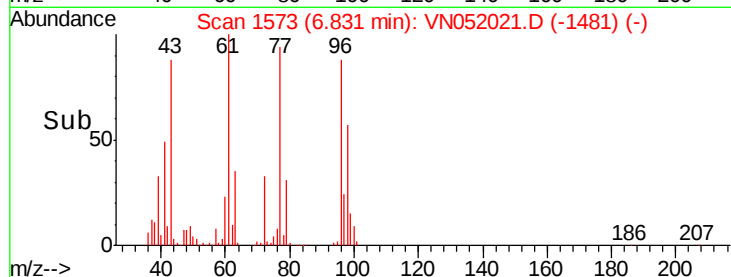


Abundance Ion 95.90 (95.60 to 96.60): VN051962.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1551) (-)

Time-->



#28

Bromochloromethane

Concen: 16.523 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

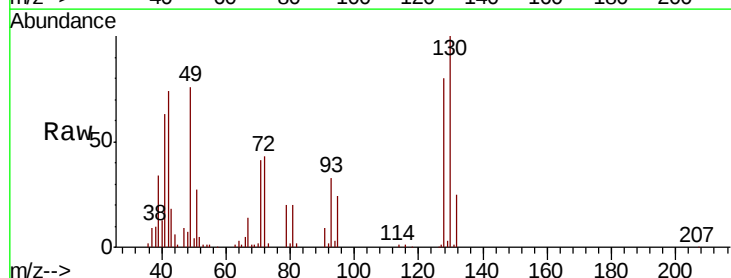
Tgt Ion: 49 Resp: 110164

Ion Ratio Lower Upper

49 100

129 2.1 0.0 5.4

130 131.5 97.0 145.6

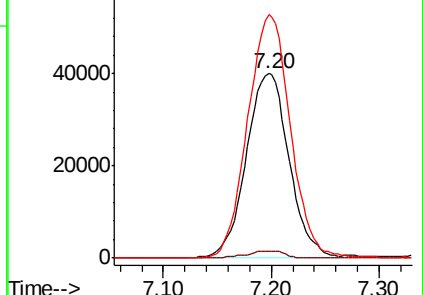
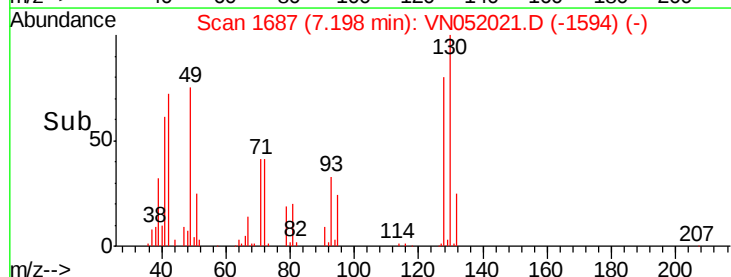


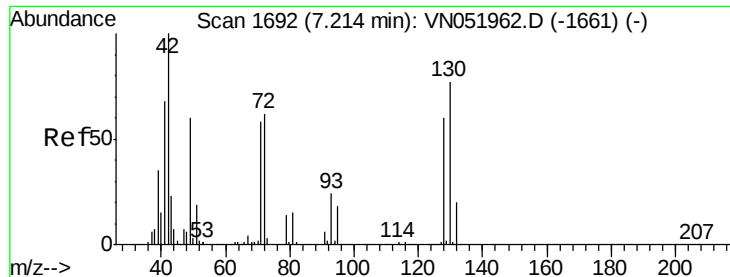
Abundance Ion 48.90 (48.60 to 49.60): VN051962.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051962.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051962.D (-1665) (-)

Time-->

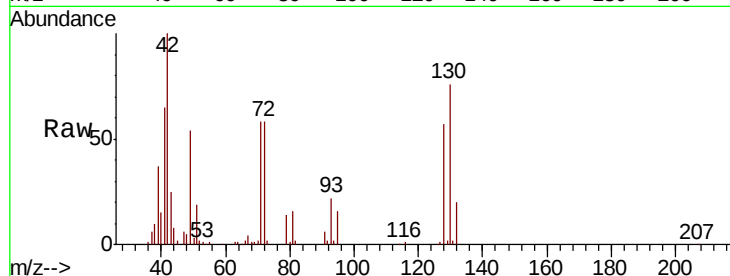




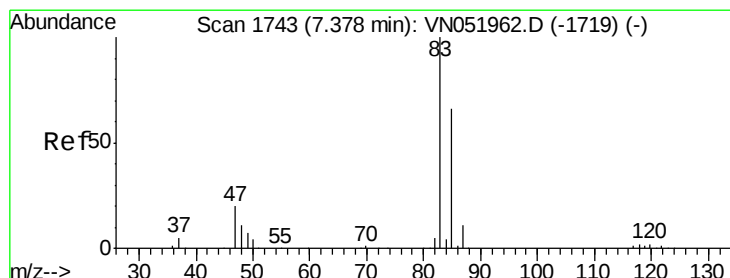
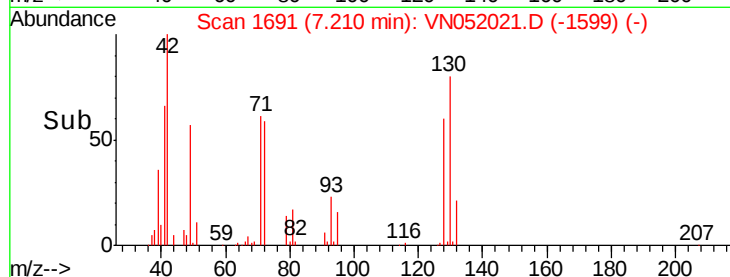
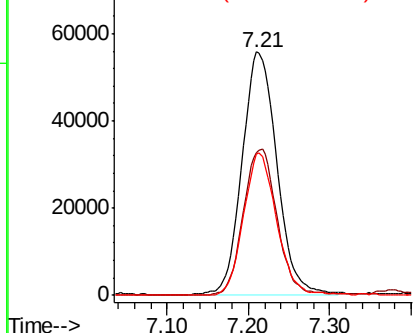
#29
Tetrahydrofuran
Concen: 89.992 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion: 42 Resp: 163055
Ion Ratio Lower Upper
42 100
72 58.6 47.5 71.3
71 56.0 45.4 68.2

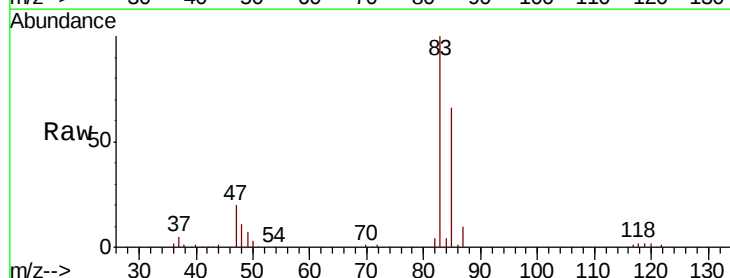


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

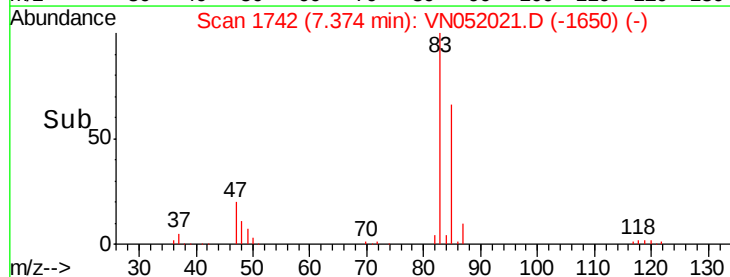
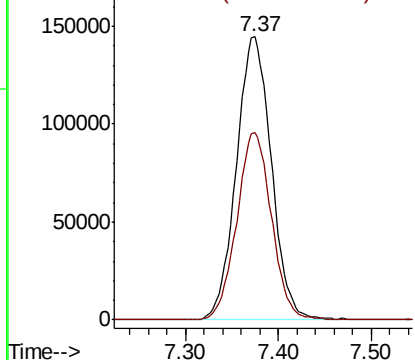


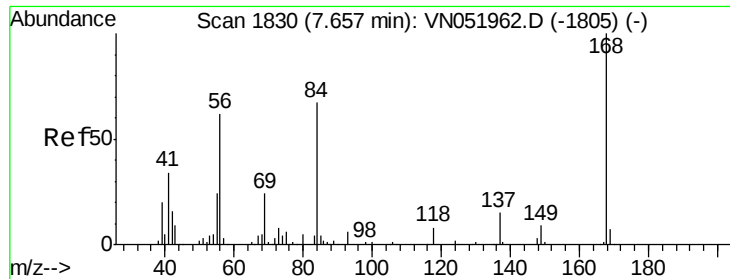
#30
Chloroform
Concen: 18.779 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 83 Resp: 379331
Ion Ratio Lower Upper
83 100
85 66.3 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

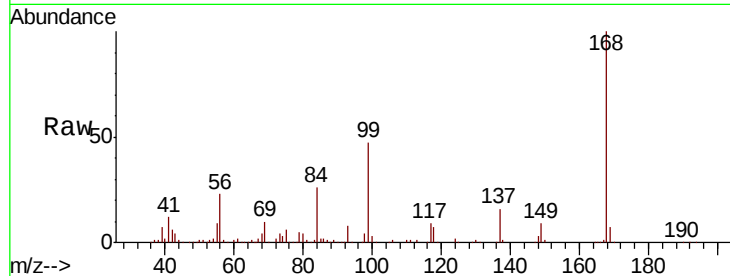




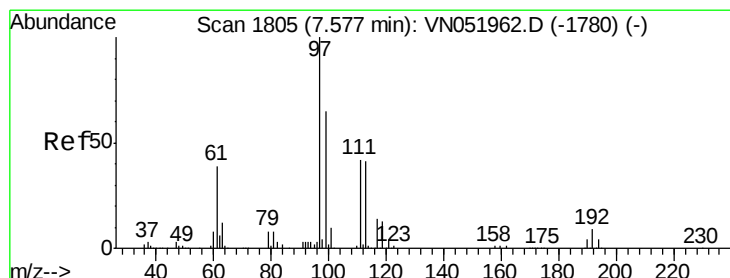
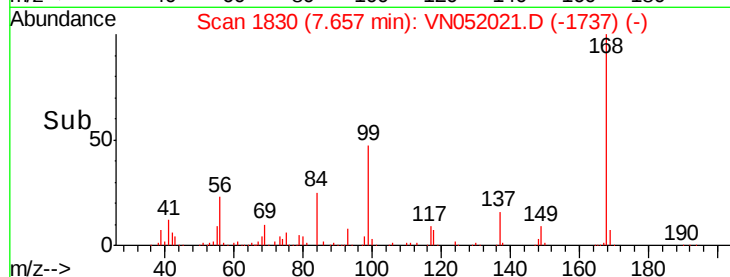
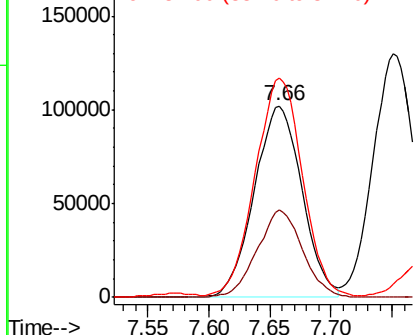
#31
Cyclohexane
Concen: 19.289 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion: 56 Resp: 277634
Ion Ratio Lower Upper
56 100
69 45.7 31.2 46.8
84 112.9 86.3 129.5

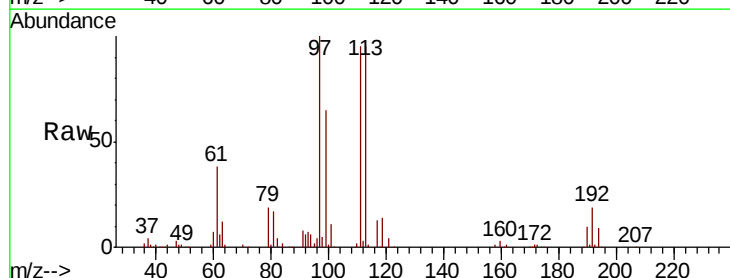


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

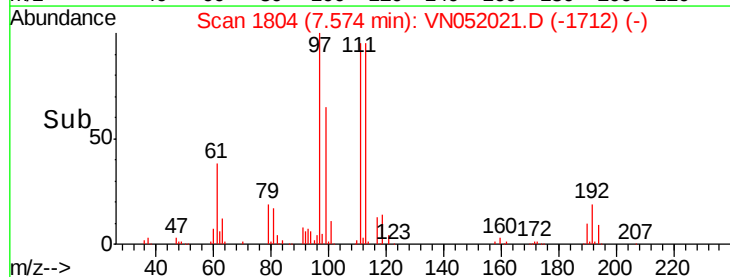
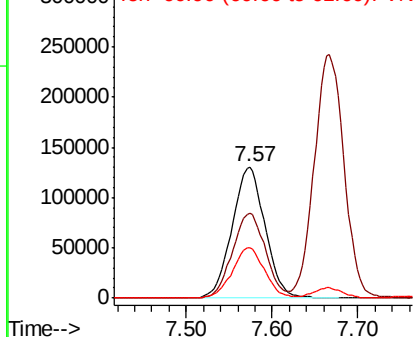


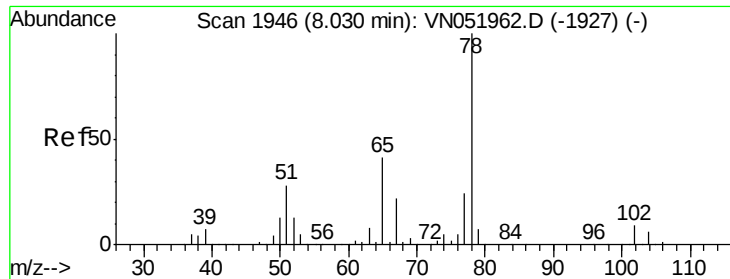
#32
1,1,1-Trichloroethane
Concen: 18.849 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 97 Resp: 348156
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 37.7 30.1 45.1



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

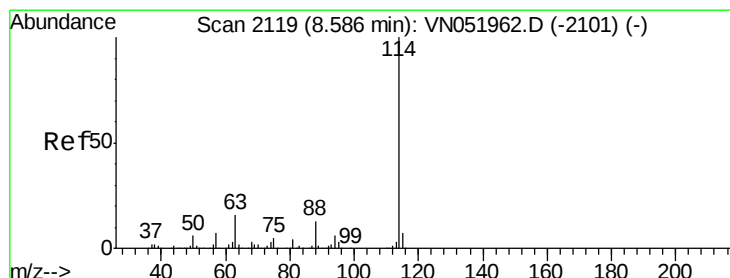
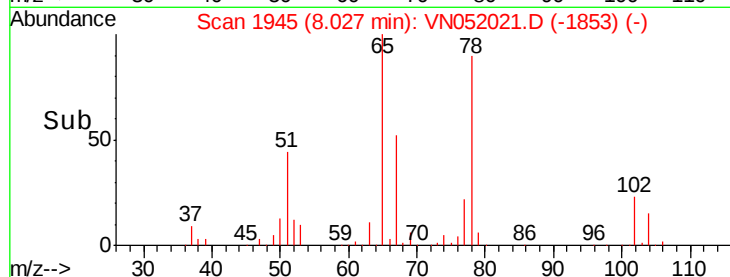
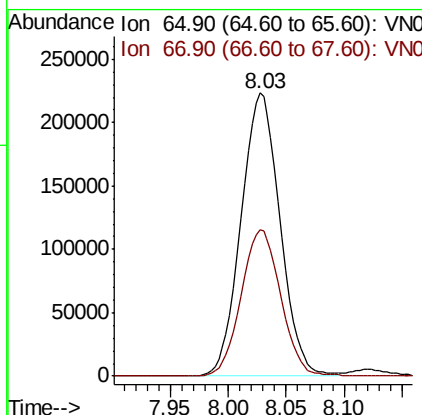
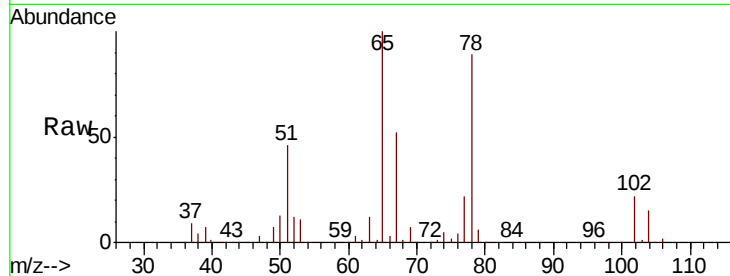




#33
 1,2-Dichloroethane-d4
 Concen: 18.849 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

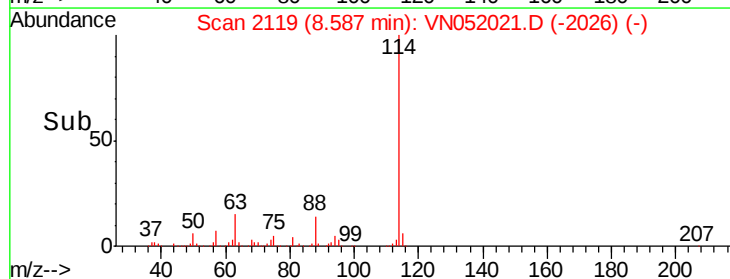
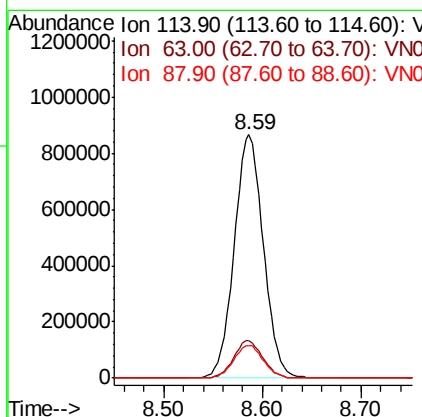
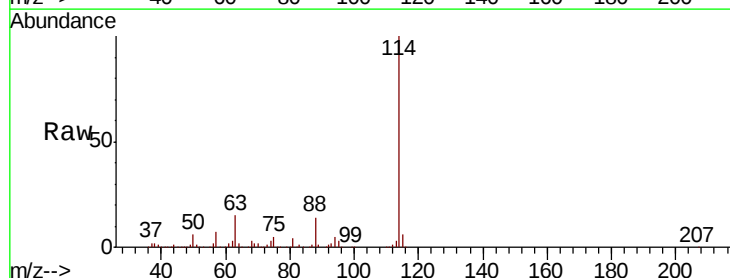
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

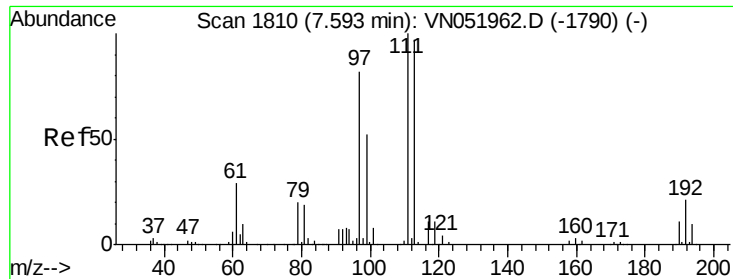
Tot Ion: 65 Resp: 522436
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion: 114 Resp: 1777297
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 31.2
 88 13.5 0.0 27.0

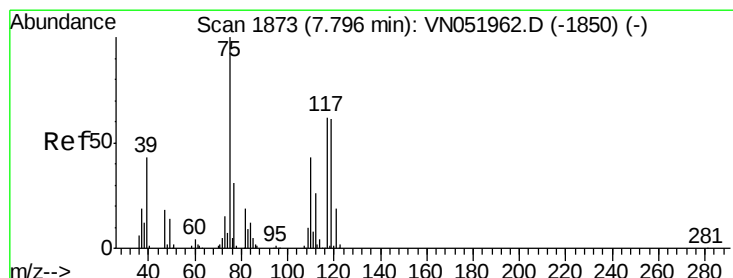
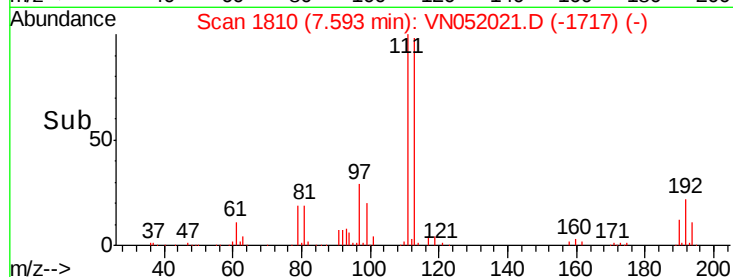
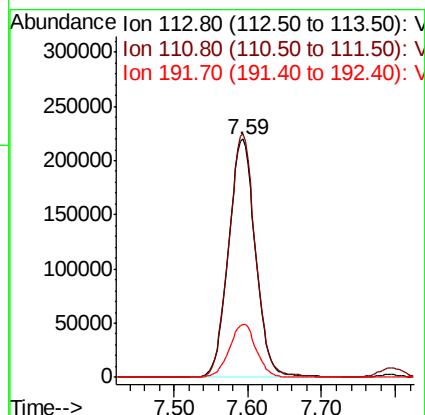
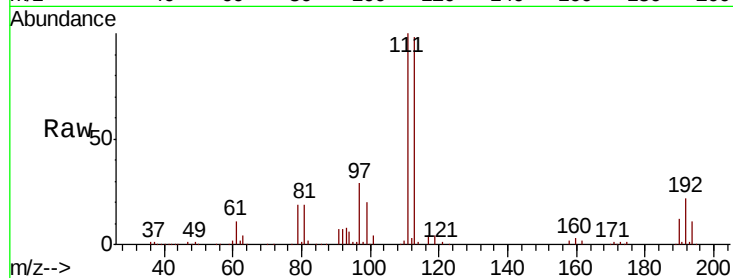




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

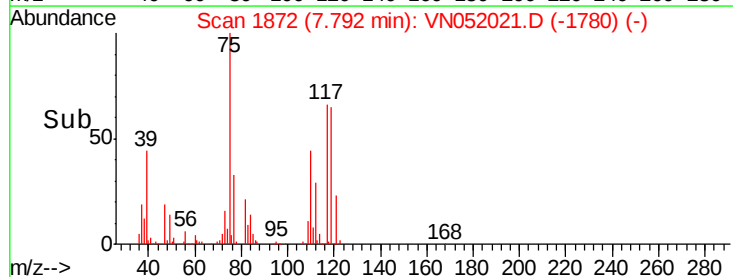
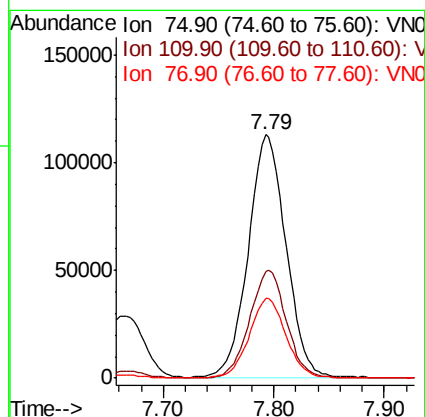
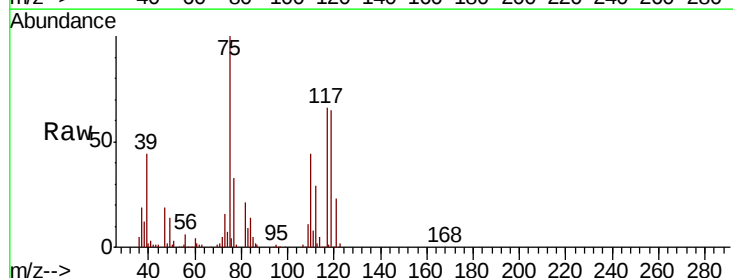
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

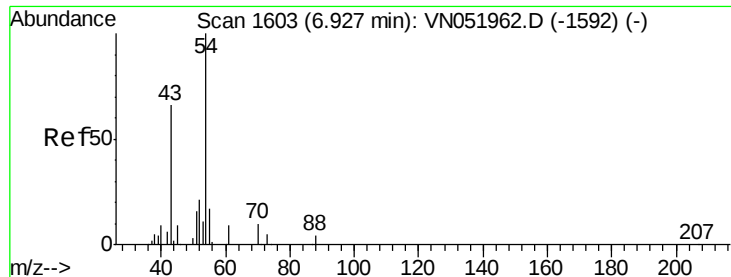
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.7	121.1
192	22.3	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 19.529 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	43.5	20.9	62.8
77	32.4	24.9	37.3

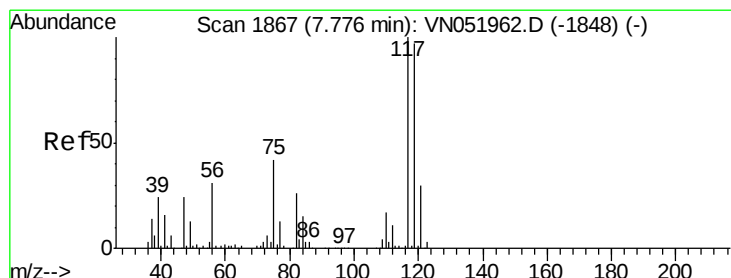
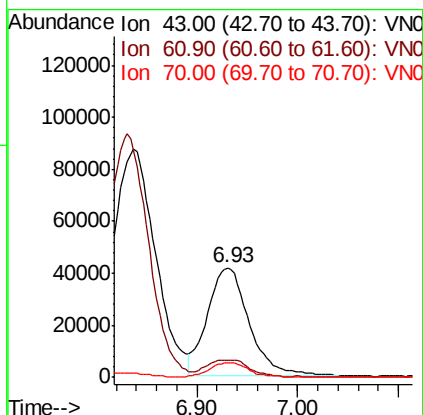
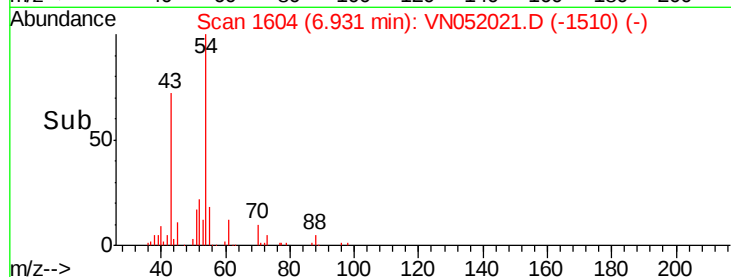
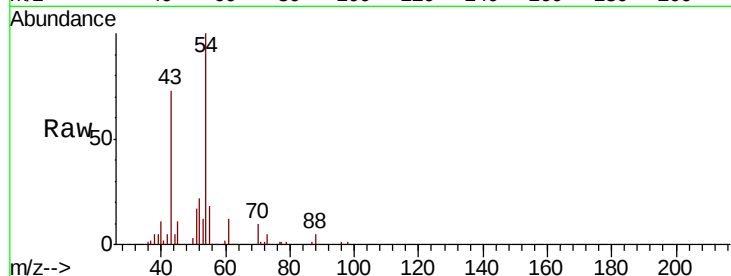




#37
Ethyl Acetate
Concen: 18.408 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

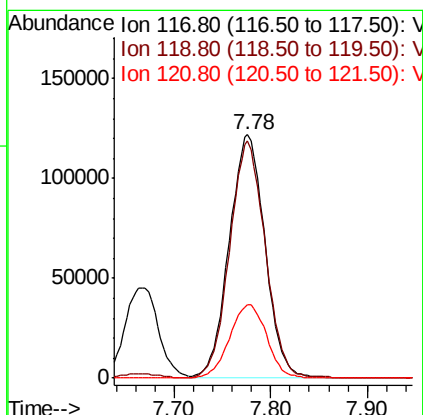
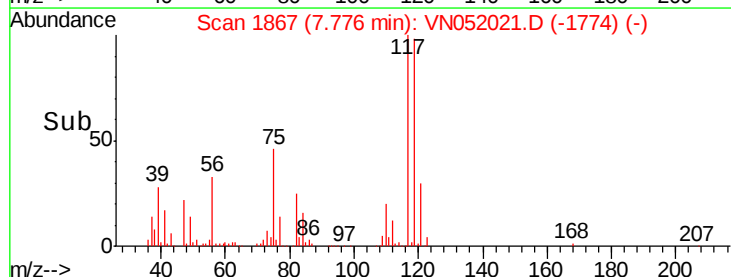
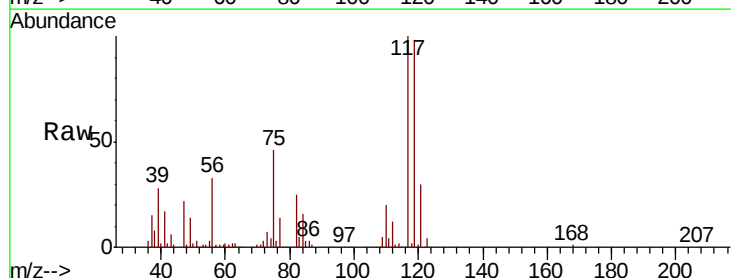
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

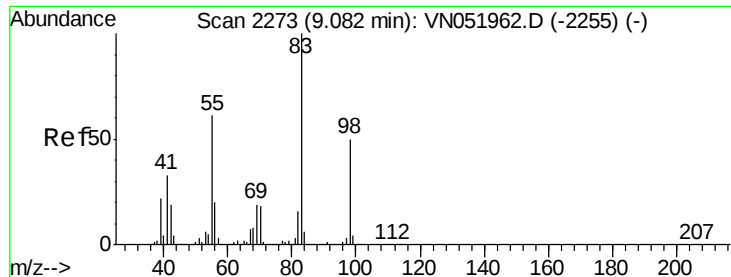
Tot Ion: 43 Resp: 119514
Ion Ratio Lower Upper
43 100
61 16.0 13.5 20.3
70 13.0 9.8 14.6



#38
Carbon Tetrachloride
Concen: 19.964 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 117 Resp: 312472
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.0
121 30.4 24.2 36.4

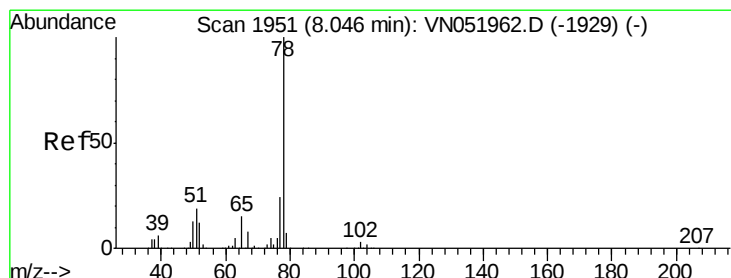
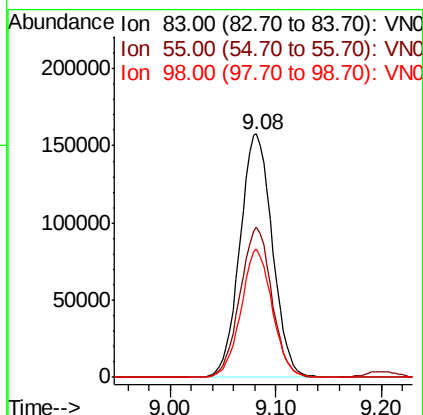
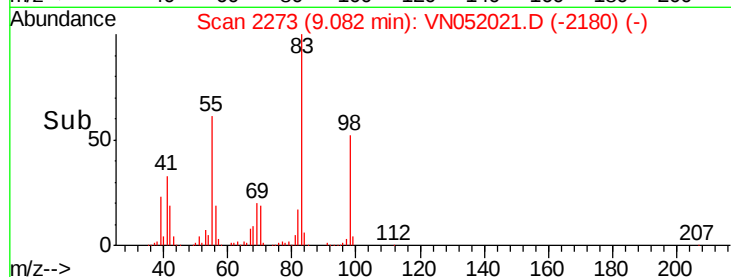
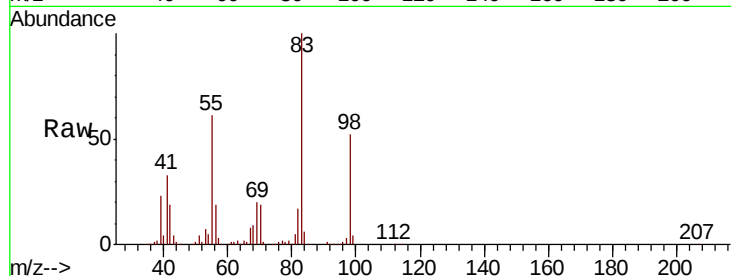




#39
Methvlcvclohexane
Concen: 20.267 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

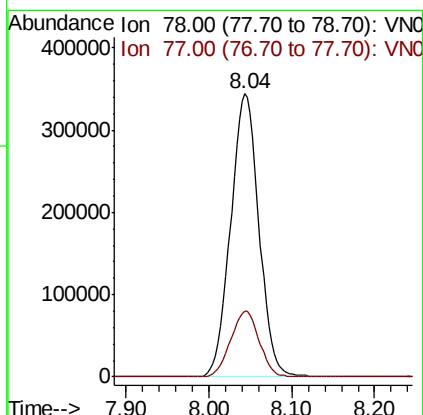
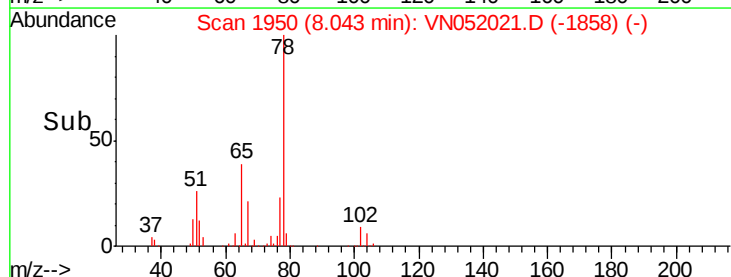
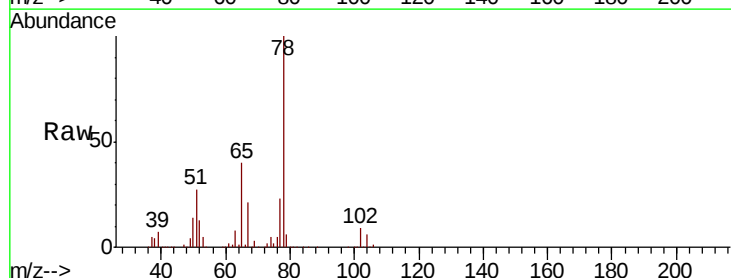
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

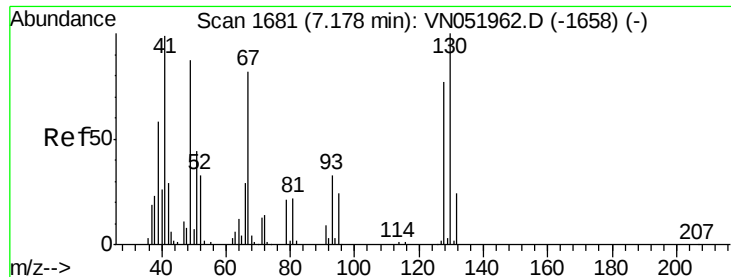
Tot Ion: 83 Resp: 337475
Ion Ratio Lower Upper
83 100
55 61.5 48.9 73.3
98 52.5 40.2 60.2



#40
Benzene
Concen: 20.198 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 78 Resp: 817582
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0





#41

Methacrylonitrile

Concen: 18.388 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 41 Resp: 56332

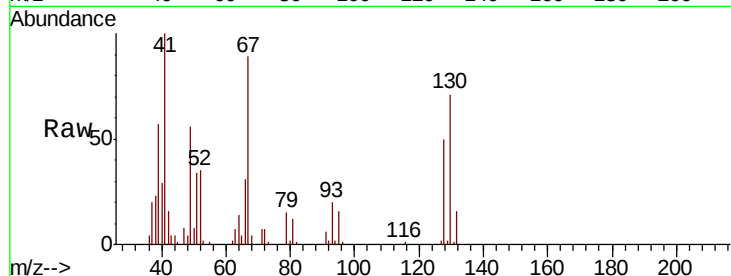
Ion Ratio Lower Upper

41 100

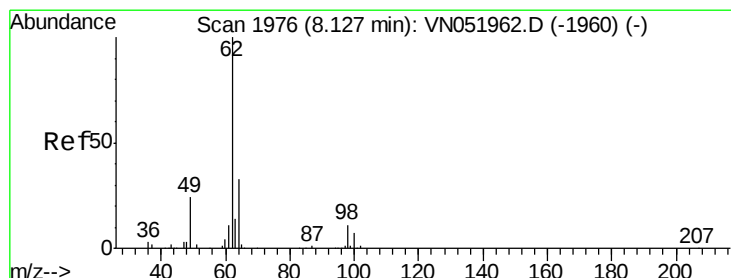
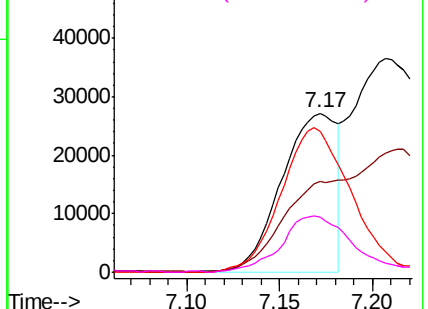
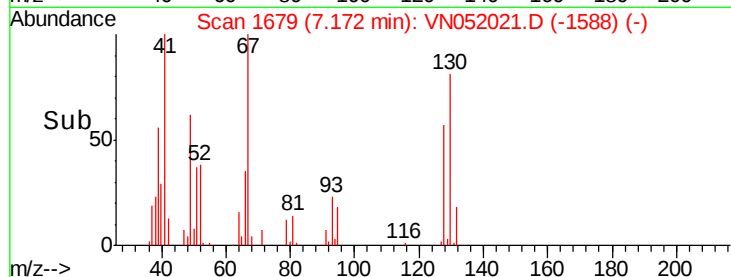
39 0.0 53.1 79.7#

67 116.6 93.8 140.6

52 45.6 35.2 52.8



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



#42

1,2-Dichloroethane

Concen: 19.453 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052021.D

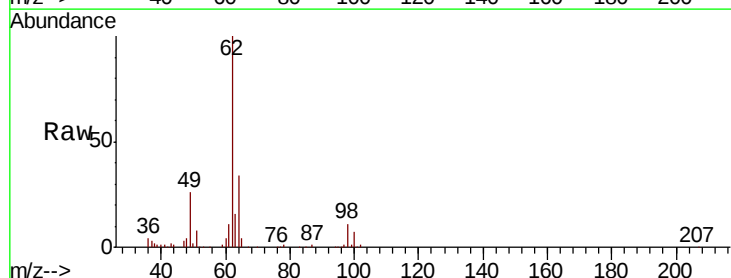
Acq: 26 Oct 2018 12:06

Tgt Ion: 62 Resp: 252484

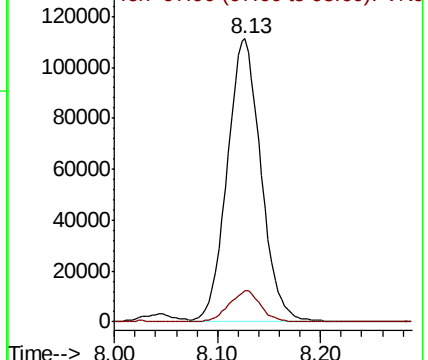
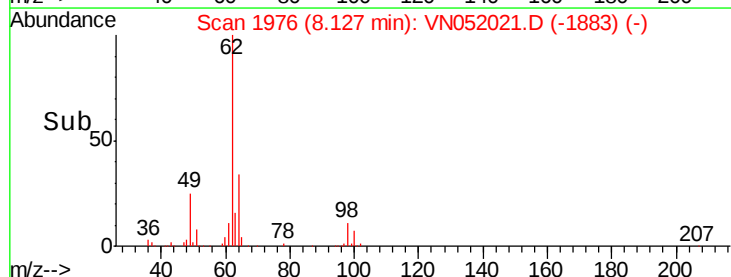
Ion Ratio Lower Upper

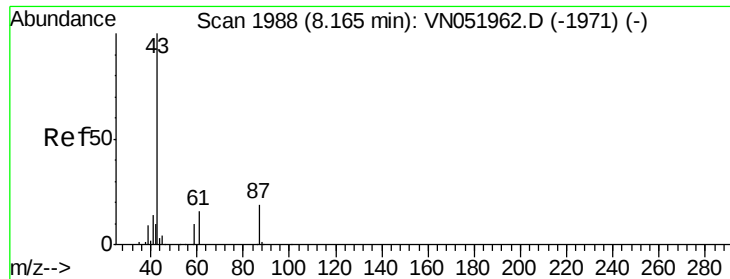
62 100

98 10.5 0.0 20.6



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



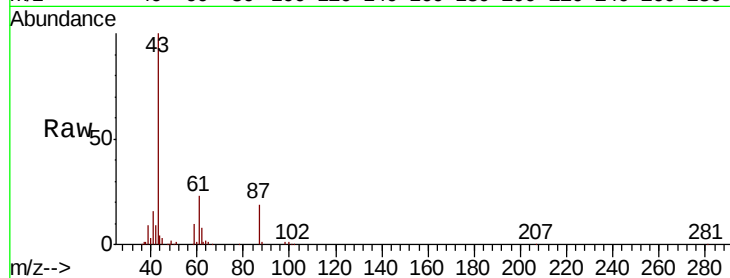


#43

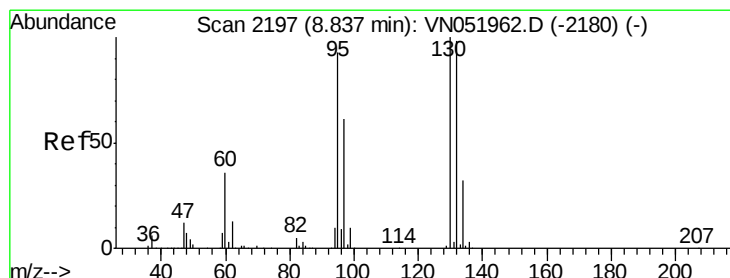
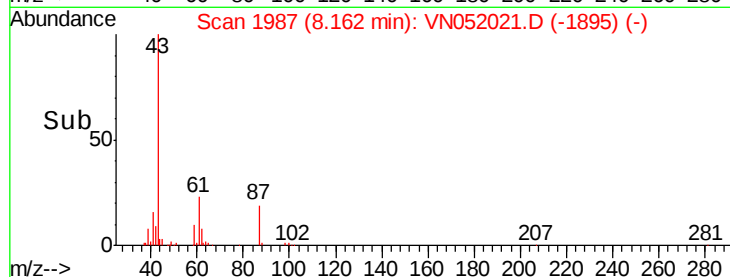
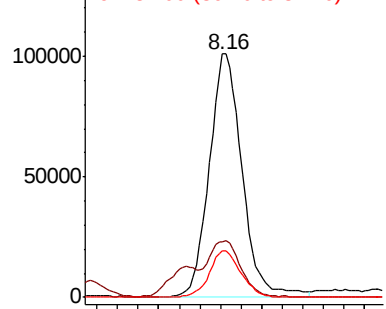
Isopropyl Acetate
 Concen: 19.530 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	43	Resp	222986
Ion Ratio	Lower	Upper	
43	100		
61	22.4	17.2	25.8
87	18.4	15.2	22.8



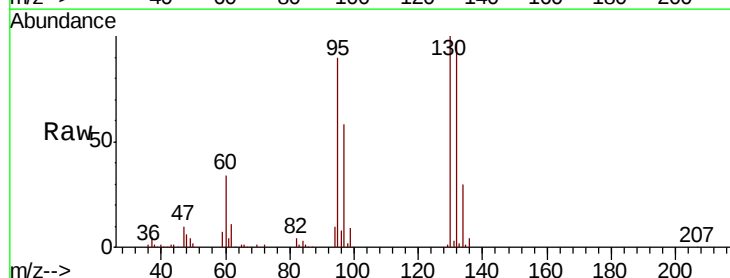
Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)



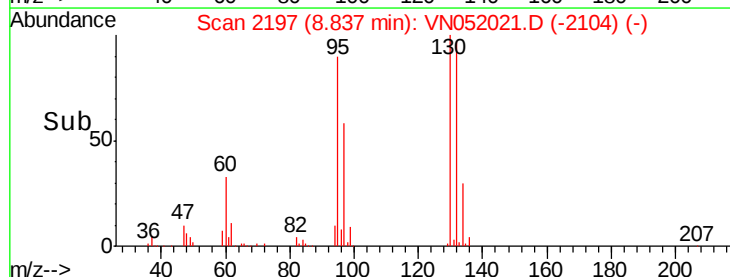
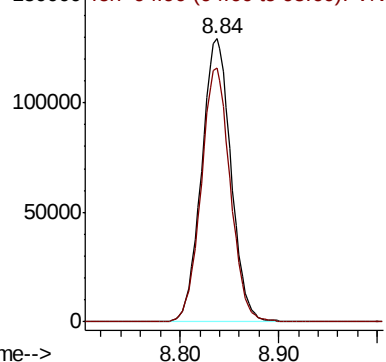
#44

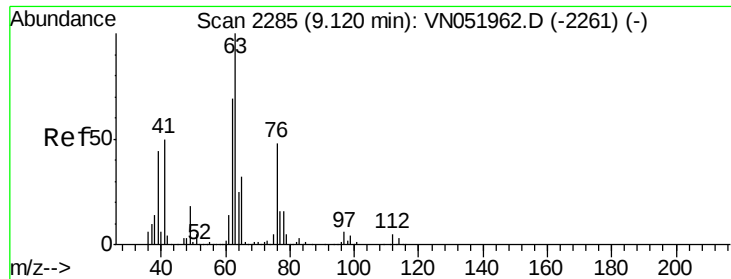
Trichloroethene
 Concen: 20.679 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	130	Resp	268680
Ion Ratio	Lower	Upper	
130	100		
95	89.9	0.0	185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 20.274 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

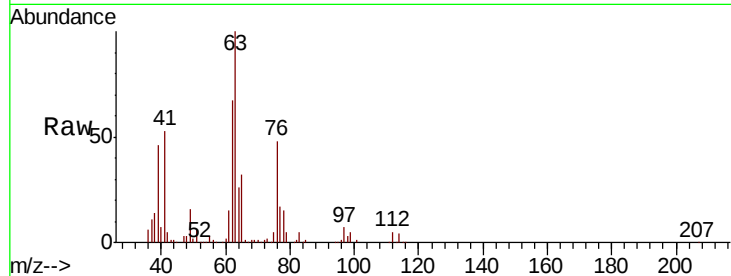
VN1026WBS01

Tot Ion: 63 Resp: 185653

Ion Ratio Lower Upper

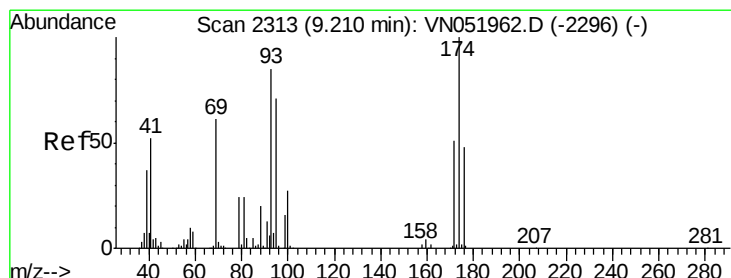
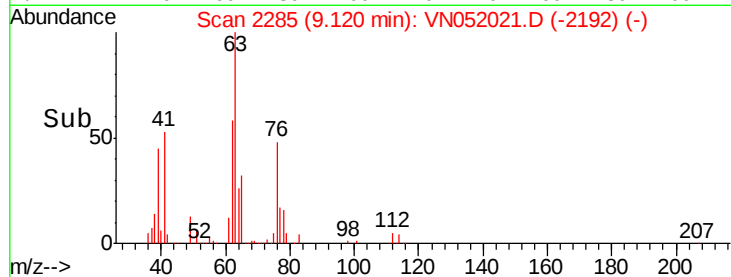
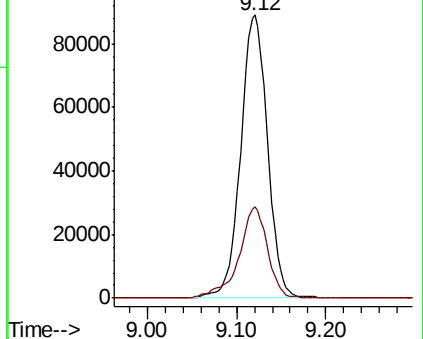
63 100

65 32.3 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN051962.D (-2261) (-)



#46

Dibromomethane

Concen: 19.368 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

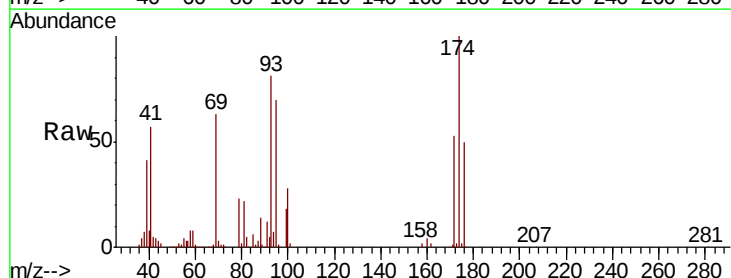
Tgt Ion: 93 Resp: 142963

Ion Ratio Lower Upper

93 100

95 86.2 66.7 100.1

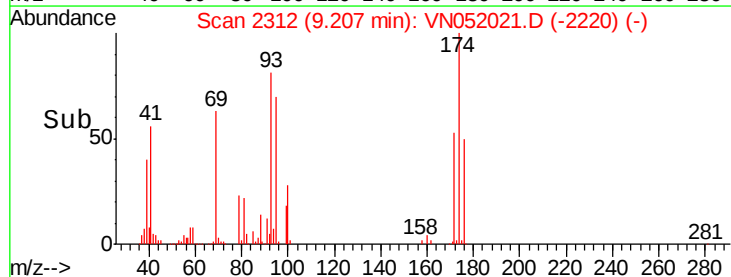
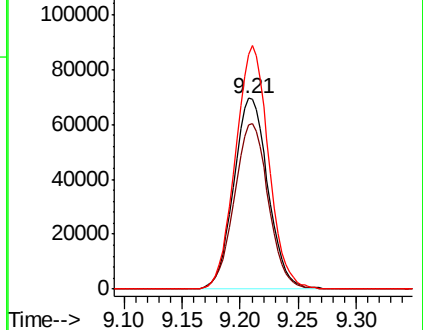
174 123.5 93.8 140.6

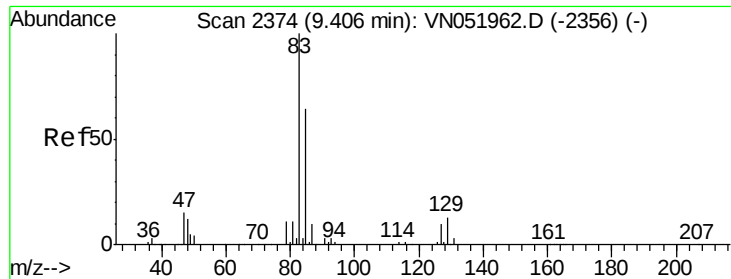


Abundance Ion 92.80 (92.50 to 93.50): VN051962.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN051962.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN051962.D (-2296) (-)





#47

Bromodichloromethane

Concen: 19.420 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

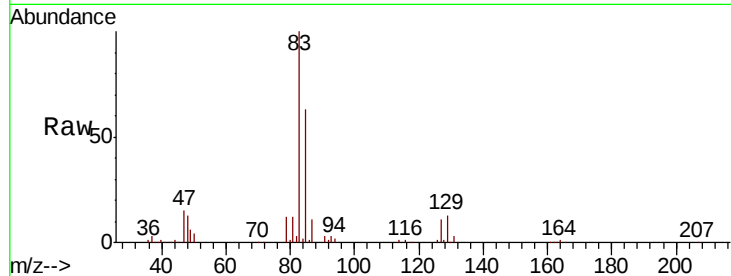
Tot Ion: 83 Resp: 270725

Ion Ratio Lower Upper

83 100

85 63.4 51.0 76.4

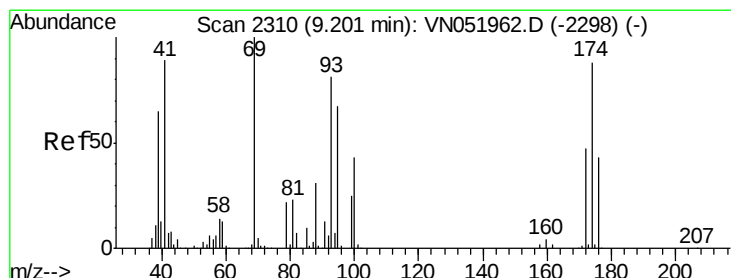
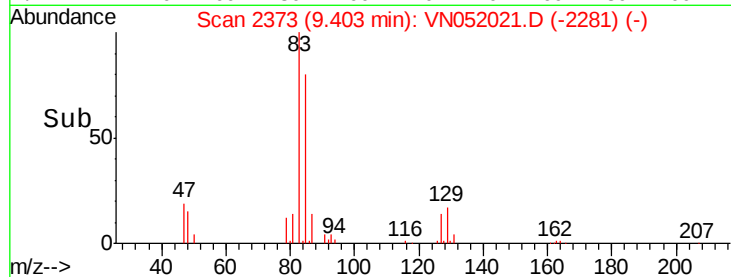
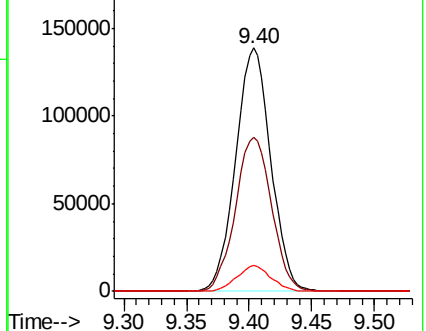
127 10.7 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.193 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

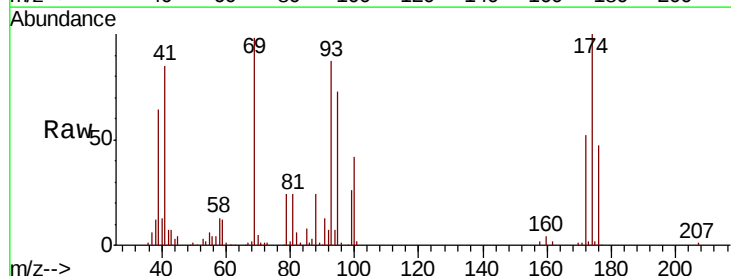
Tgt Ion: 41 Resp: 105923

Ion Ratio Lower Upper

41 100

69 116.4 92.2 138.4

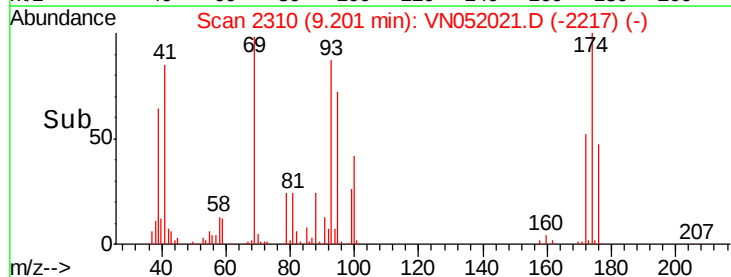
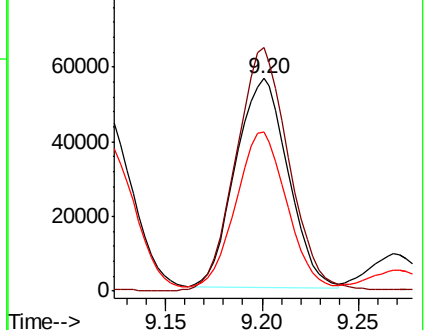
39 74.7 60.2 90.4

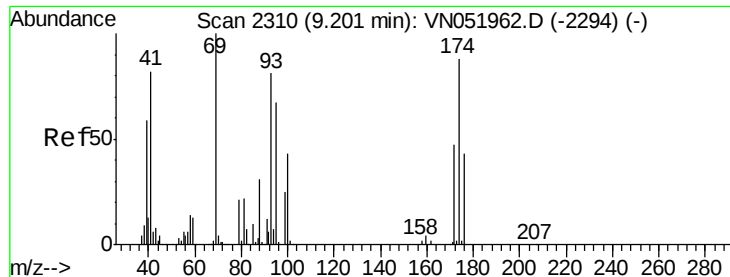


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 324.456 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

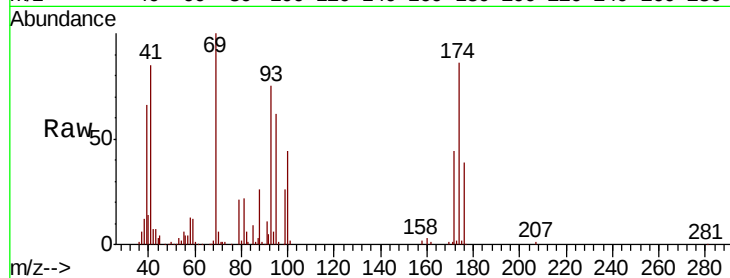
Tot Ion: 88 Resp: 32833

Ion Ratio Lower Upper

88 100

43 25.6 18.8 28.2

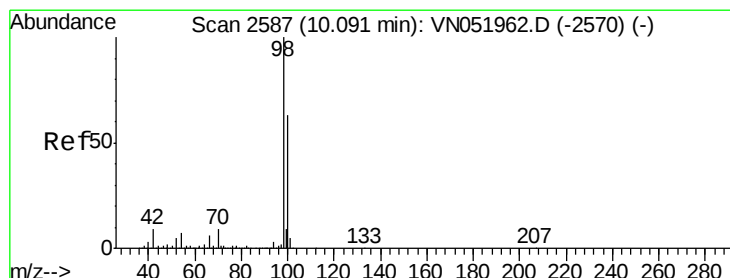
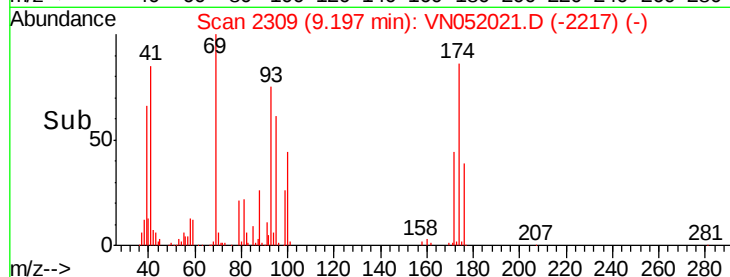
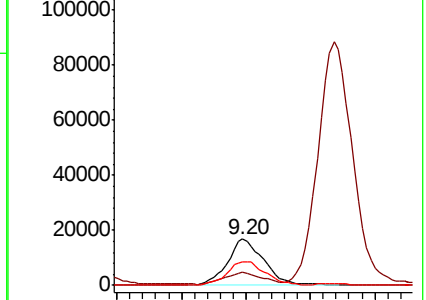
58 54.7 39.8 59.6



Abundance Ion 88.00 (87.70 to 88.70): VN051962.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051962.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2294) (-)



#50

Toluene-d8

Concen: 324.456 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052021.D

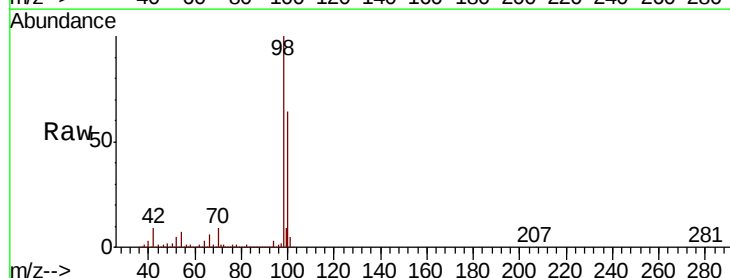
Acq: 26 Oct 2018 12:06

Tgt Ion: 98 Resp: 2016679

Ion Ratio Lower Upper

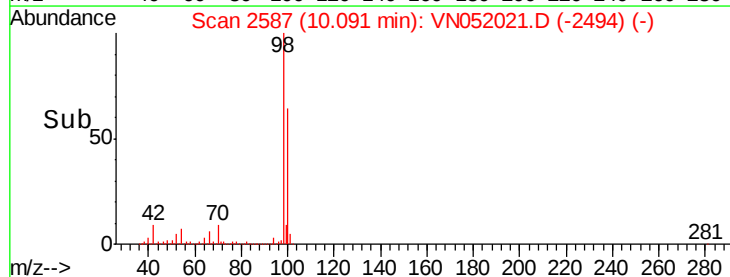
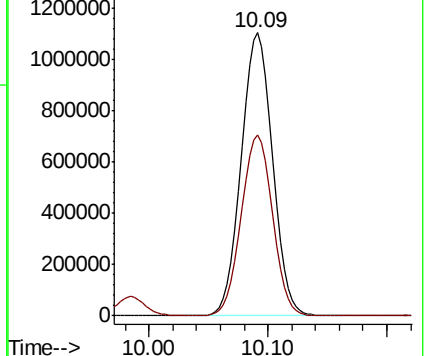
98 100

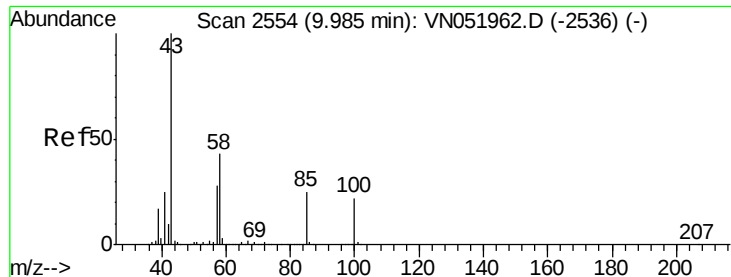
100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 96.351 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

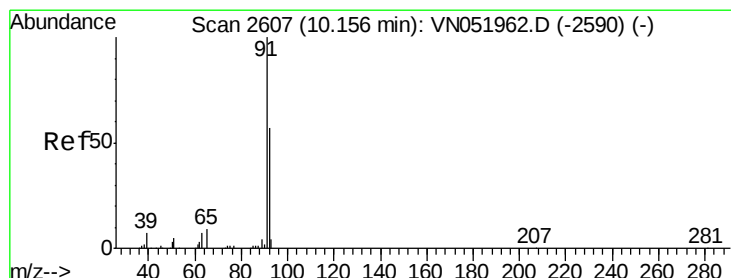
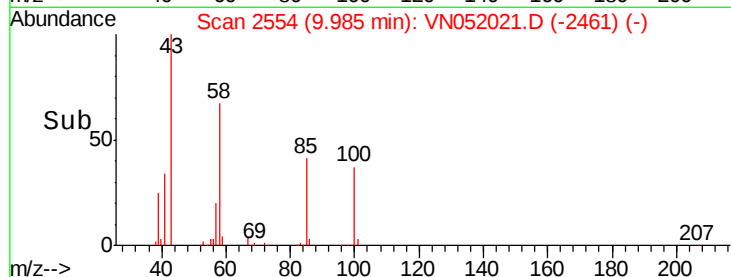
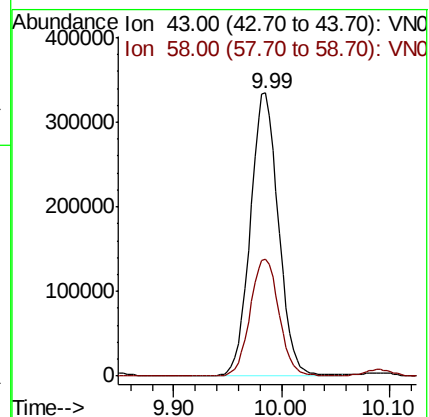
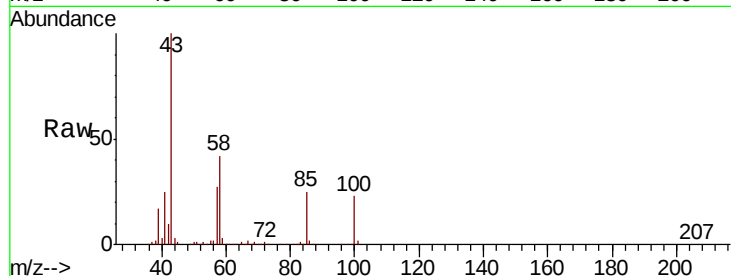
VN1026WBS01

Tot Ion: 43 Resp: 605125

Ion Ratio Lower Upper

43 100

58 42.4 34.8 52.2



#52

Toluene

Concen: 20.516 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052021.D

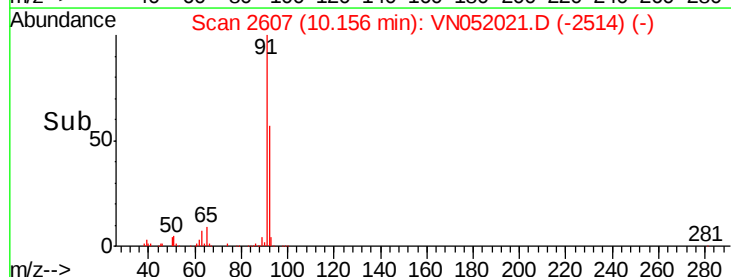
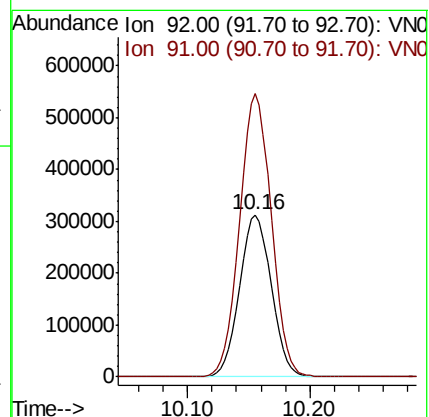
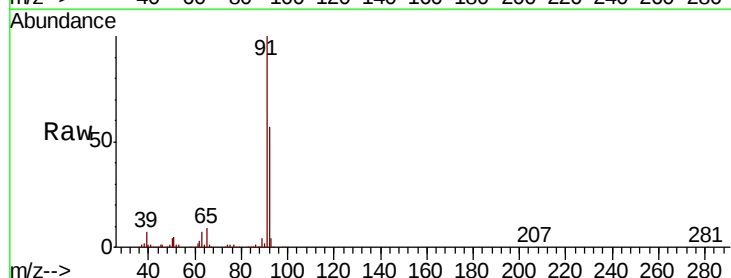
Acq: 26 Oct 2018 12:06

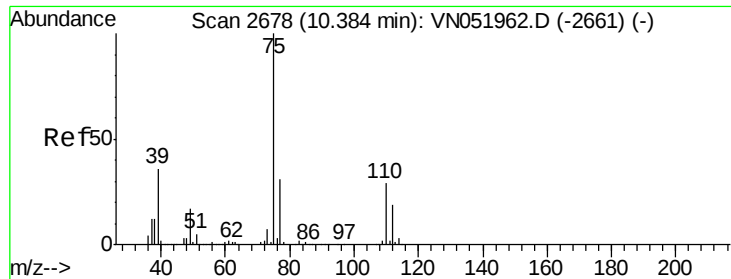
Tgt Ion: 92 Resp: 563154

Ion Ratio Lower Upper

92 100

91 173.9 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.490 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

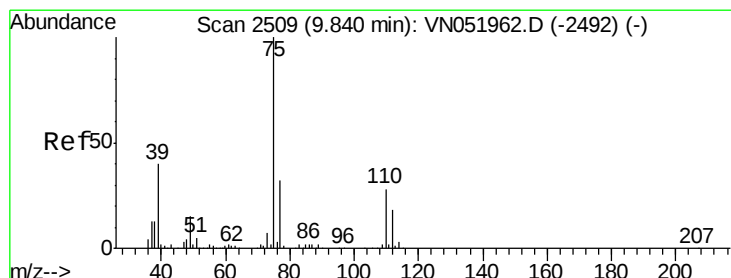
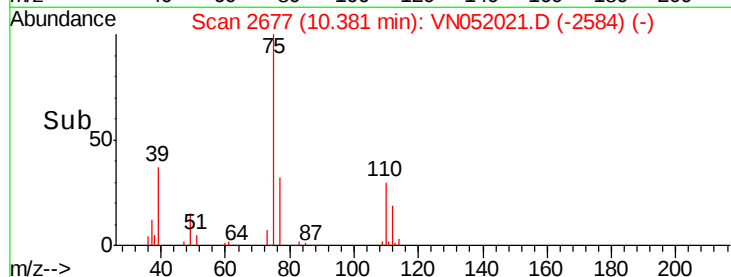
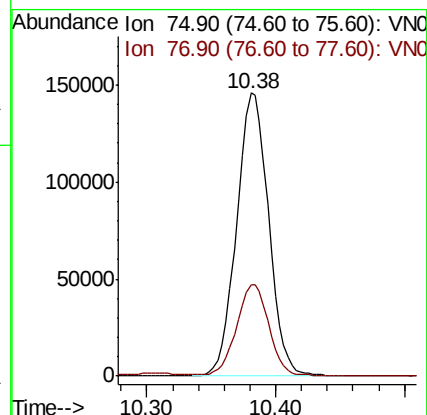
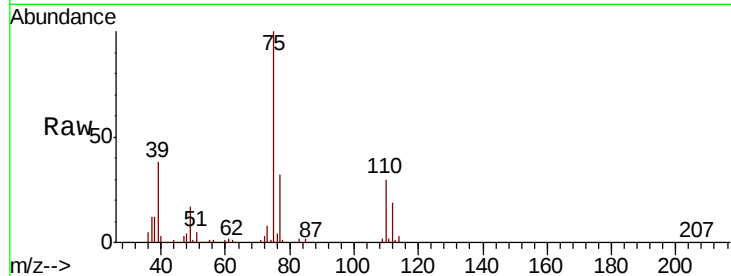
VN1026WBS01

Tot Ion: 75 Resp: 251800

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.409 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

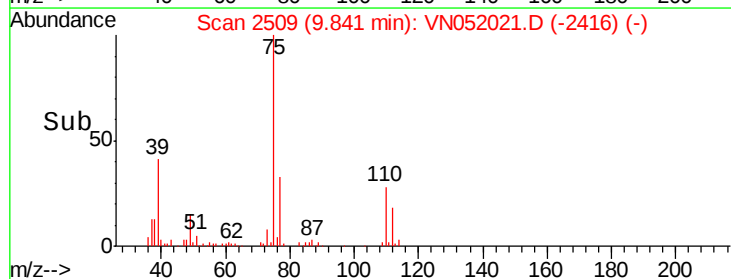
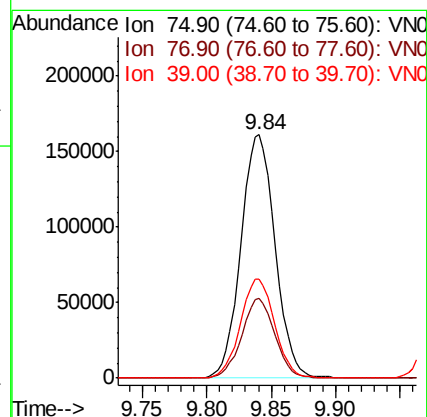
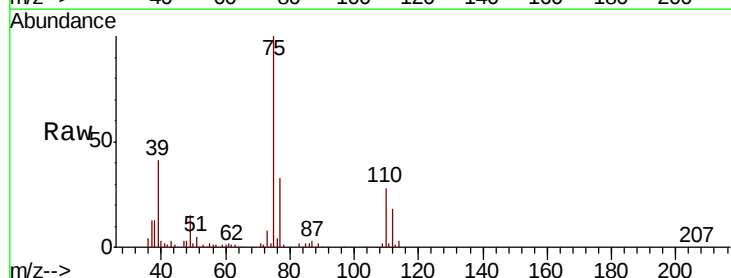
Tgt Ion: 75 Resp: 297382

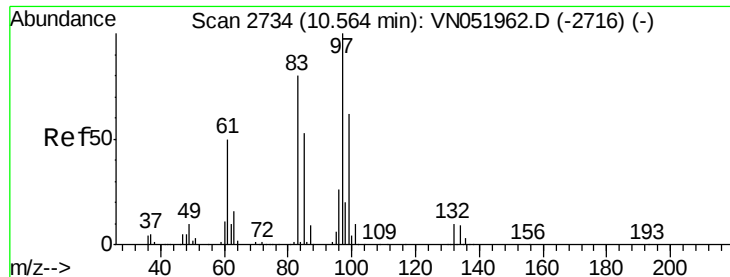
Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

39 40.7 32.0 48.0

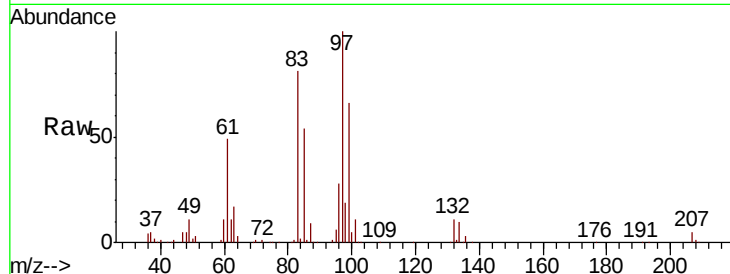




#55
 1,1,2-Trichloroethane
 Concen: 19.447 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion:	97	Resp:	197235
Ion	Ratio	Lower	Upper
97	100		
83	80.9	64.0	96.0
85	53.7	42.4	63.6
99	66.4	49.4	74.2



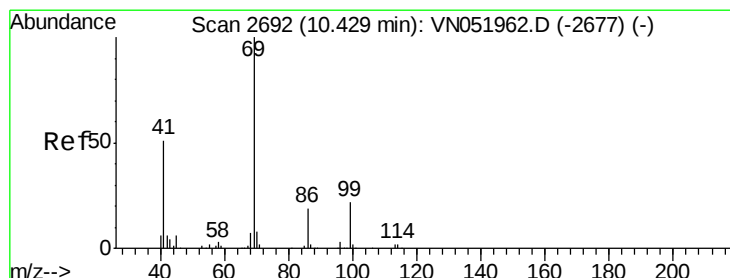
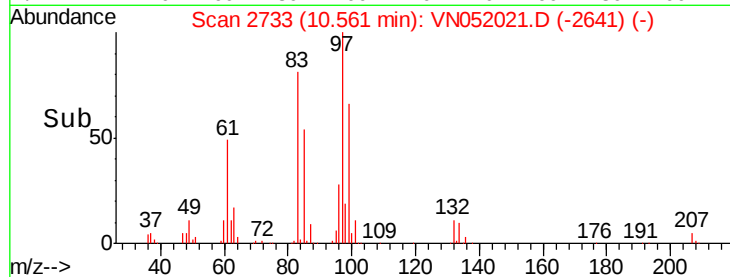
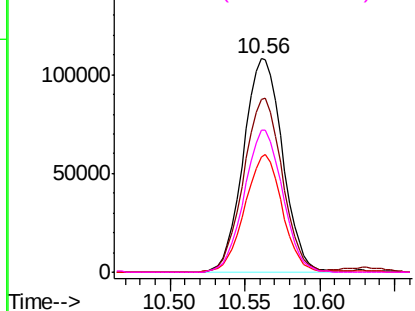
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

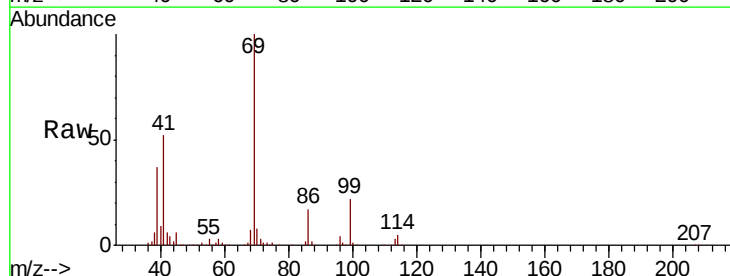
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.293 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion:	69	Resp:	210335
Ion	Ratio	Lower	Upper
69	100		
41	50.1	40.7	61.1
39	35.6	29.3	43.9

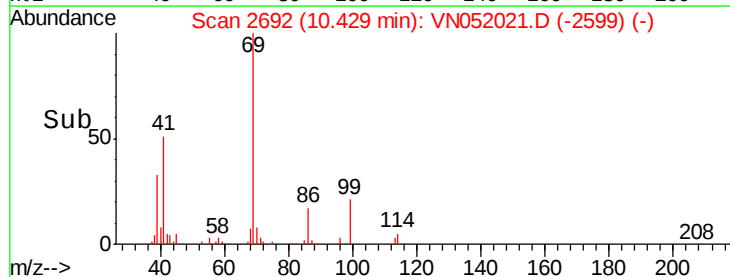
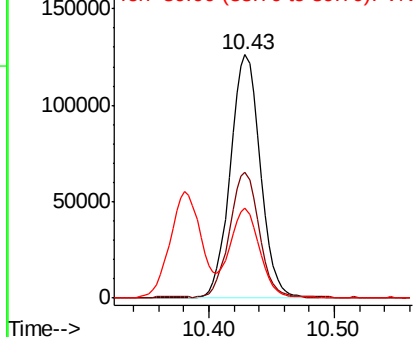


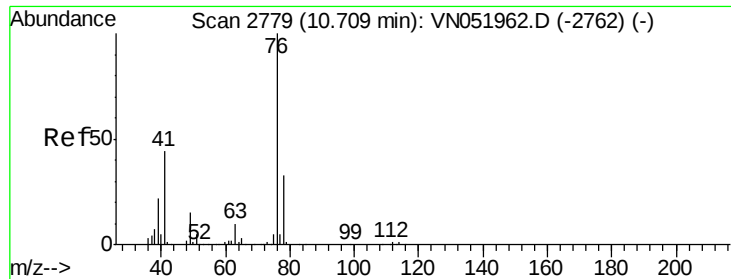
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.594 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

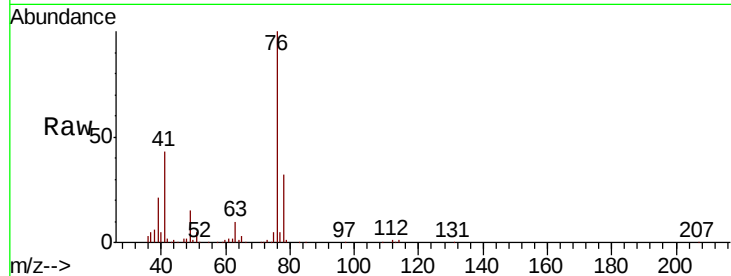
VN1026WBS01

Tot Ion: 76 Resp: 301684

Ion Ratio Lower Upper

76 100

78 32.0 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VN051962.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN051962.D (-2762) (-)

10.71

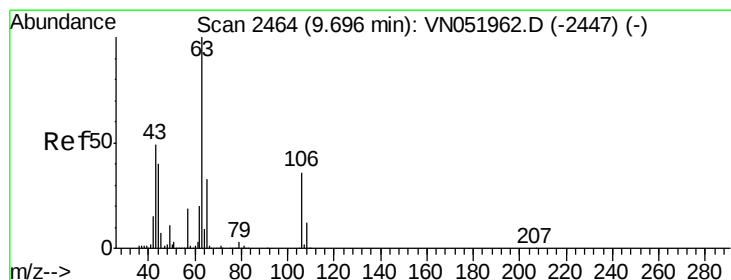
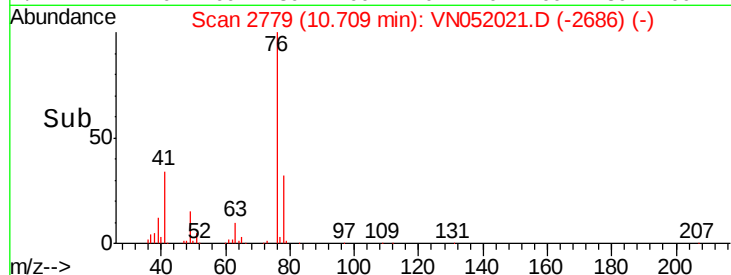
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.231 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052021.D

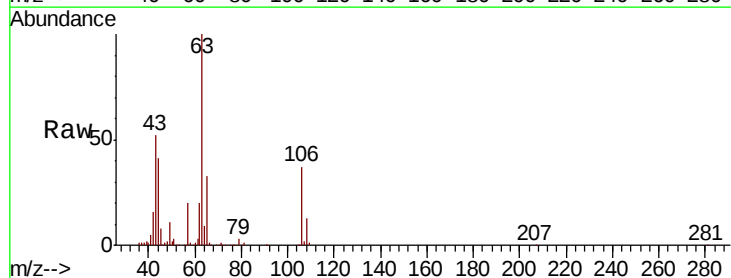
Acq: 26 Oct 2018 12:06

Tgt Ion: 63 Resp: 560342

Ion Ratio Lower Upper

63 100

106 35.8 28.3 42.5



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051962.D (-2447) (-)

9.70

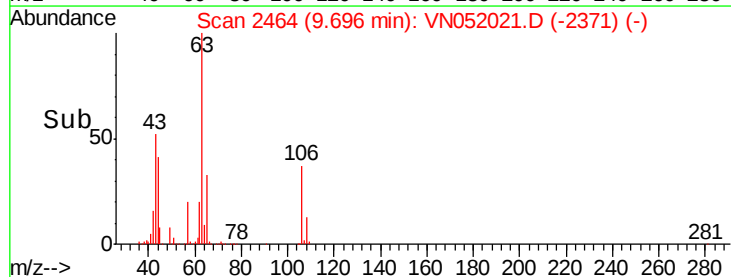
300000

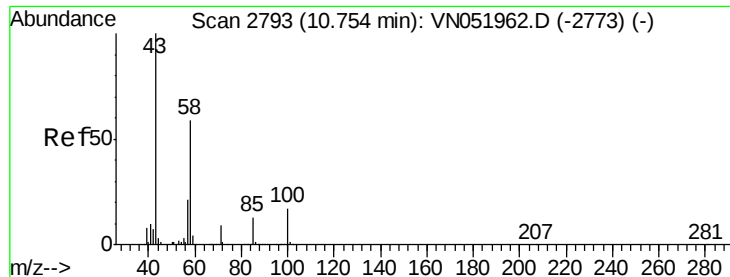
200000

100000

0

Time-->

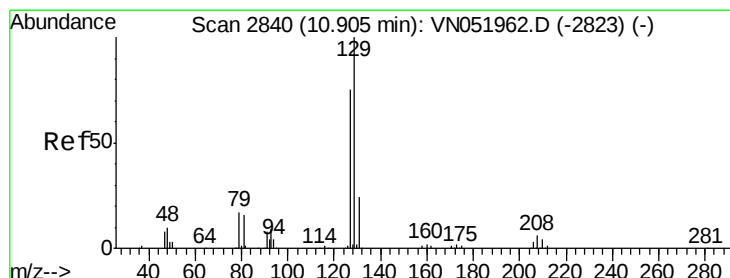
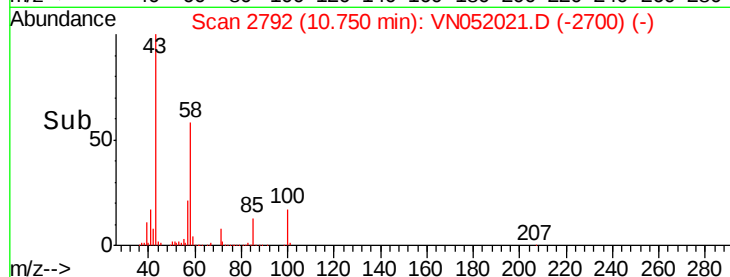
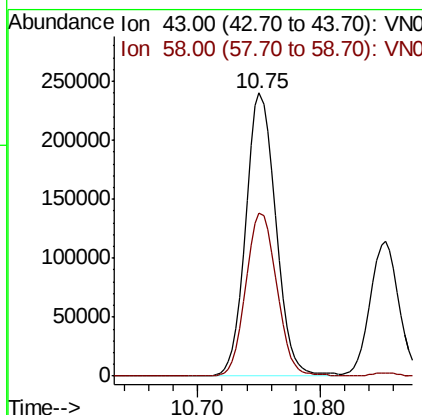
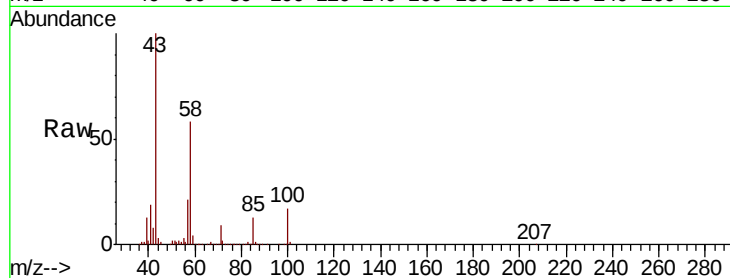




#59
2-Hexanone
Concen: 96.233 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

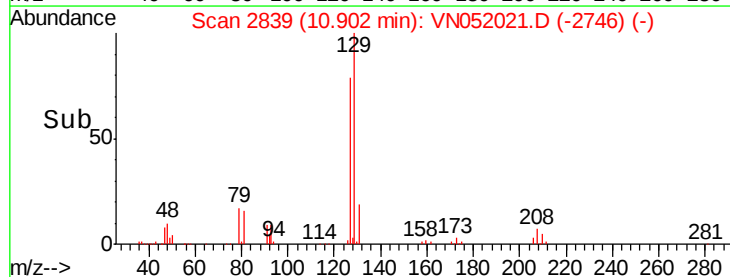
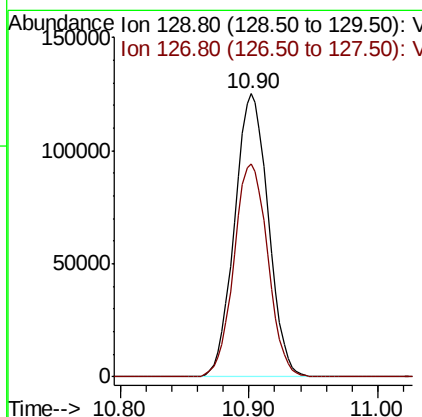
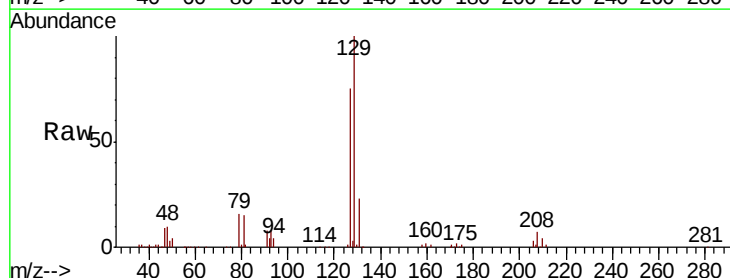
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

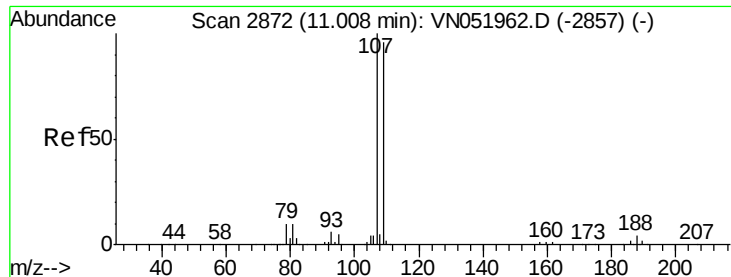
Tot Ion: 43 Resp: 406083
Ion Ratio Lower Upper
43 100
58 59.3 29.9 89.8



#60
Dibromochloromethane
Concen: 18.847 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 129 Resp: 227245
Ion Ratio Lower Upper
129 100
127 75.7 38.0 114.0

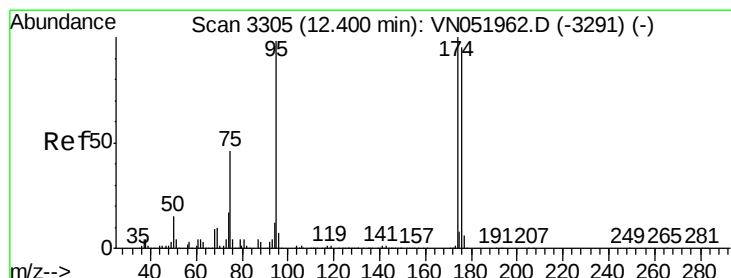
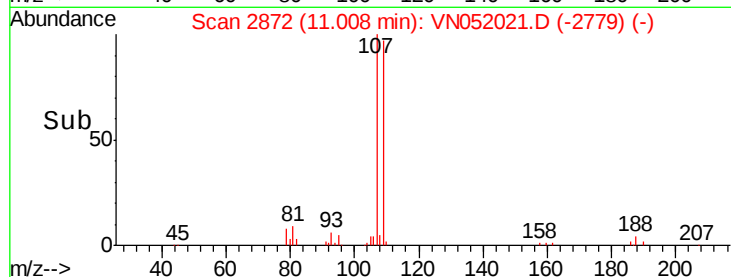
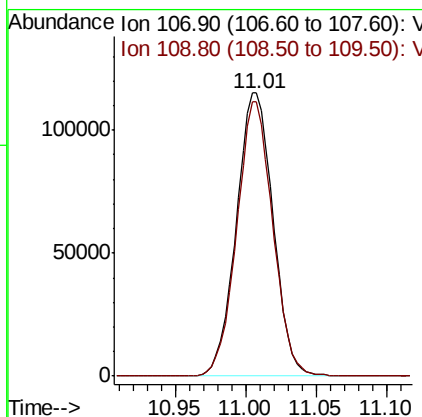
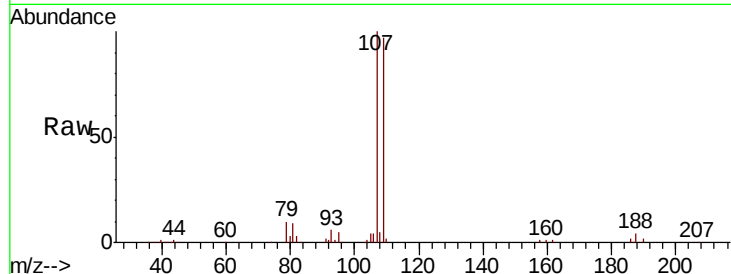




#61
 1,2-Dibromoethane
 Concen: 19.636 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

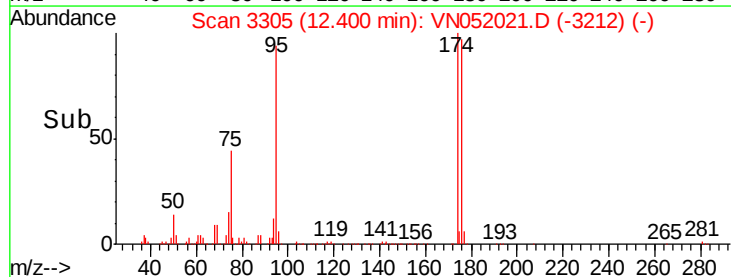
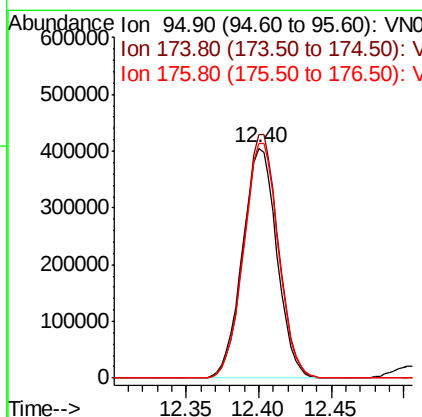
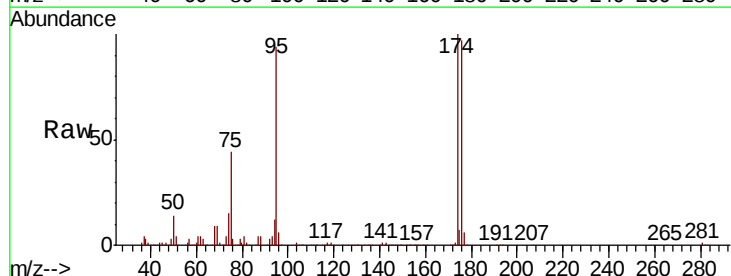
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

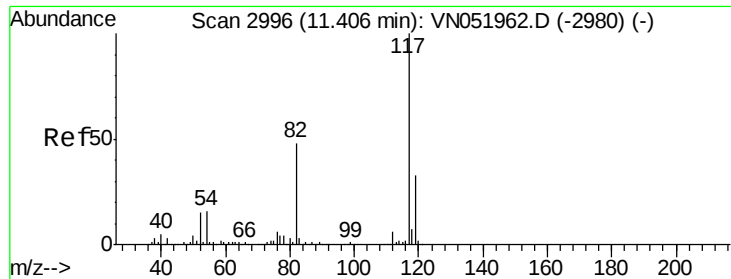
Tot Ion:107 Resp: 209979
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 19.636 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion: 95 Resp: 670216
 Ion Ratio Lower Upper
 95 100
 174 106.3 0.0 206.0
 176 103.0 0.0 198.0

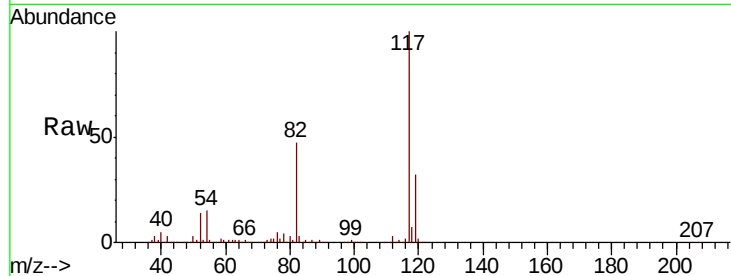




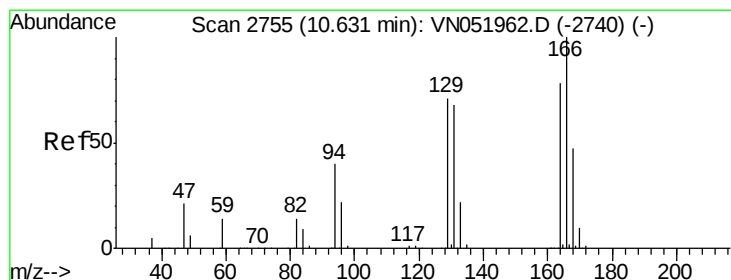
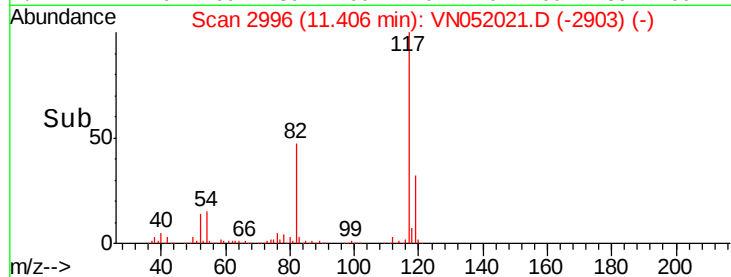
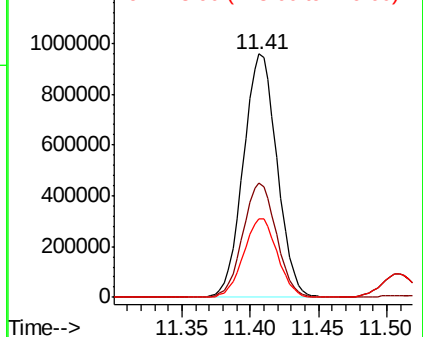
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion:117 Resp: 1645406
Ion Ratio Lower Upper
117 100
82 47.0 38.1 57.1
119 32.2 26.4 39.6

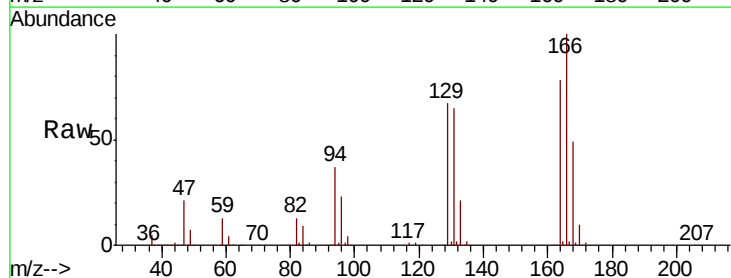


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

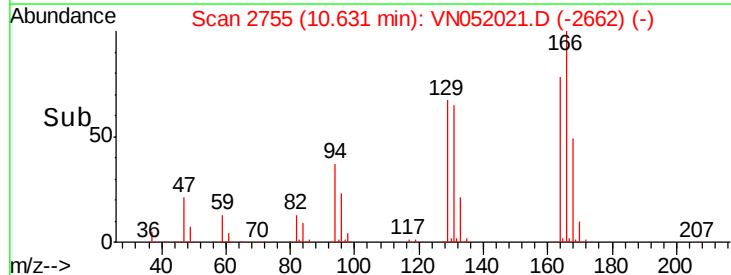
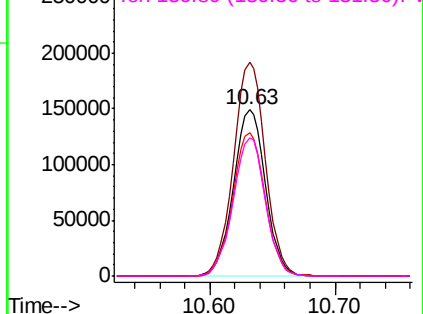


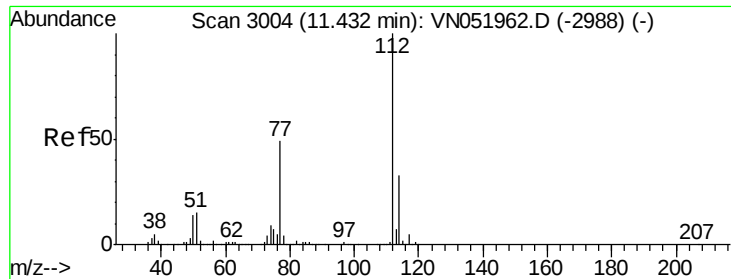
#64
Tetrachloroethene
Concen: 20.889 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion:164 Resp: 263810
Ion Ratio Lower Upper
164 100
166 128.5 103.1 154.7
129 86.2 73.6 110.4
131 83.1 70.3 105.5



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

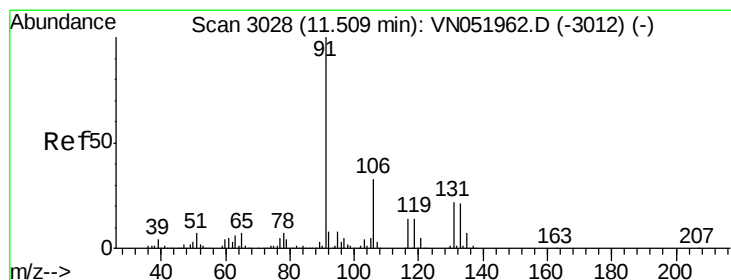
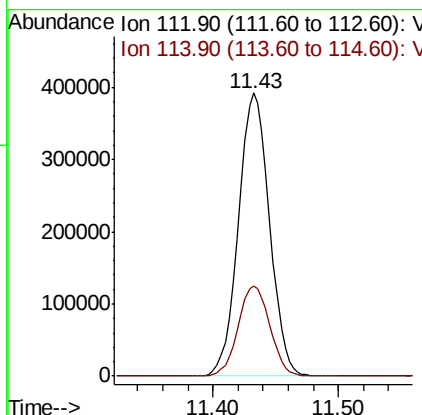
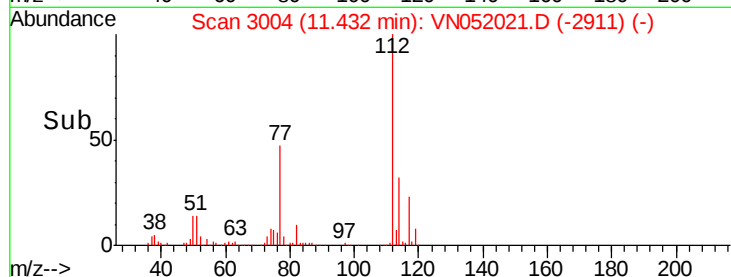
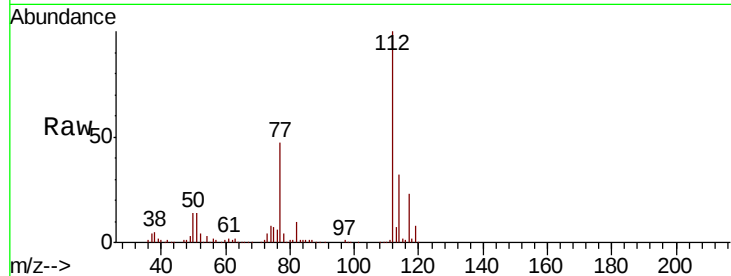




#65
Chlorobenzene
Concen: 20.291 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

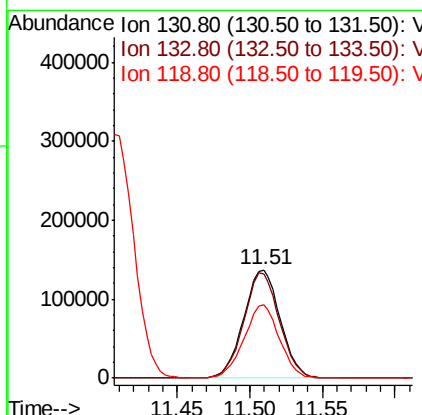
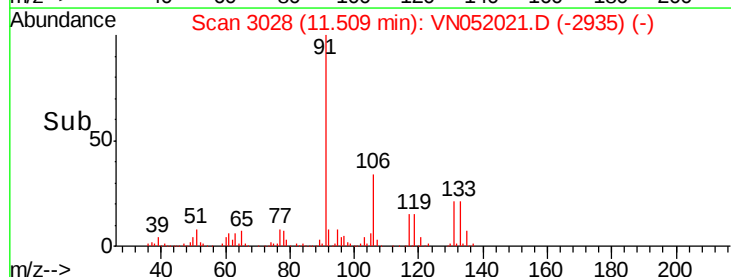
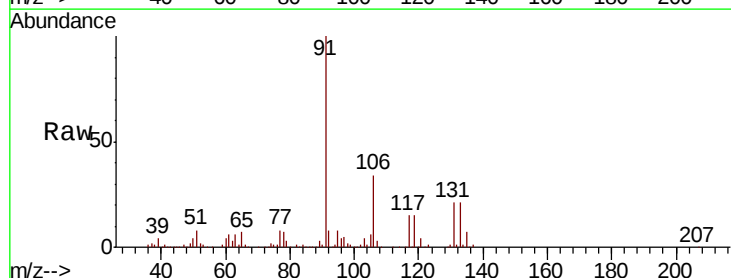
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

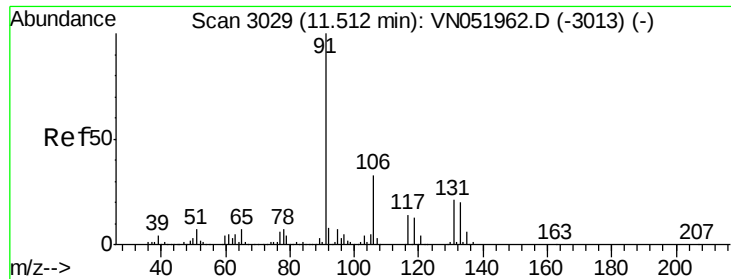
Tot Ion:112 Resp: 674086
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.106 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion:131 Resp: 240078
Ion Ratio Lower Upper
131 100
133 95.2 47.8 143.3
119 65.8 32.0 96.2

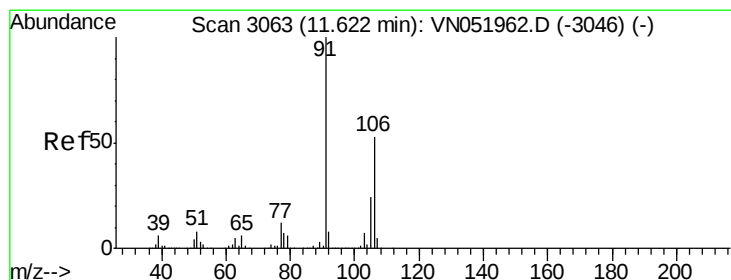
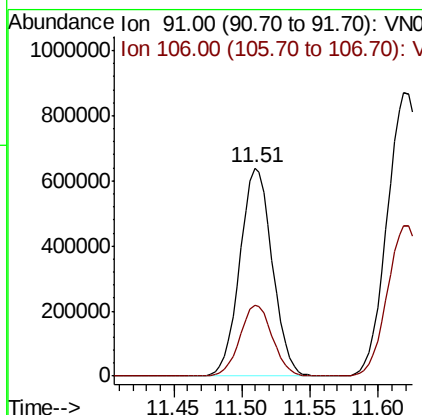
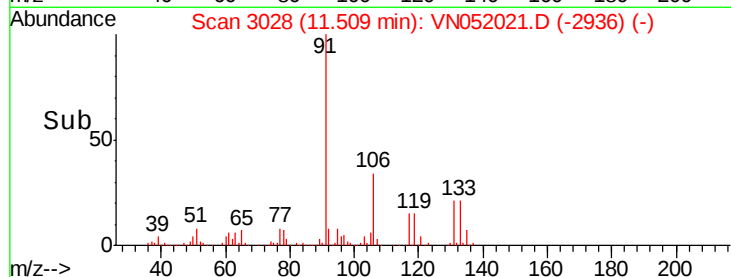
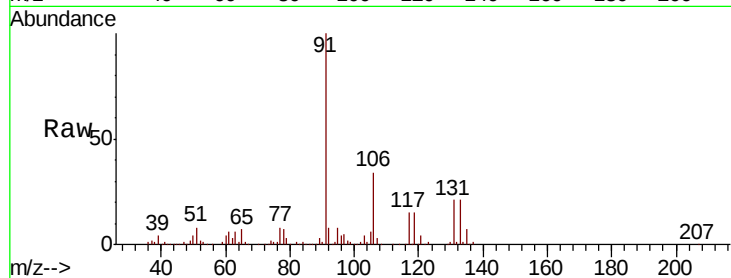




#67
Ethyl Benzene
Concen: 19.753 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

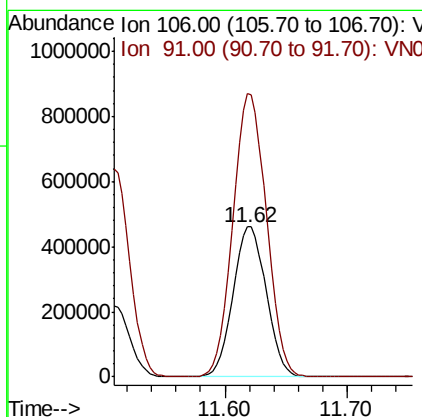
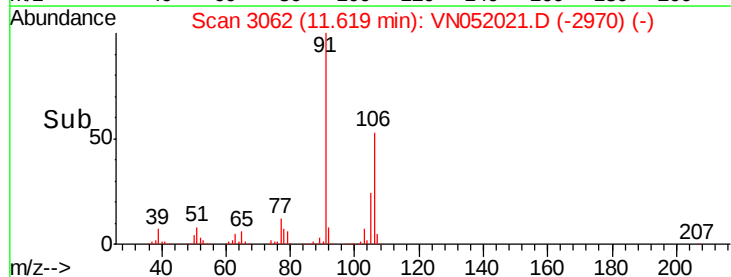
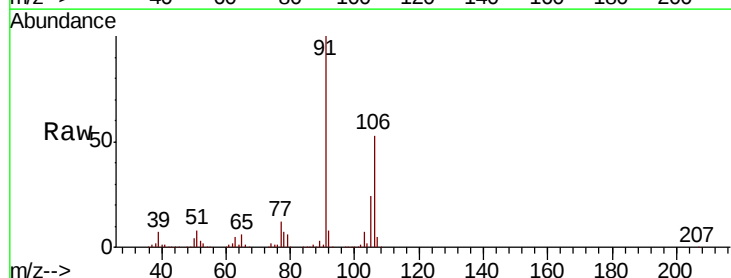
Instrument :
MSVOA_N
ClientSampled :
VN1026WBS01

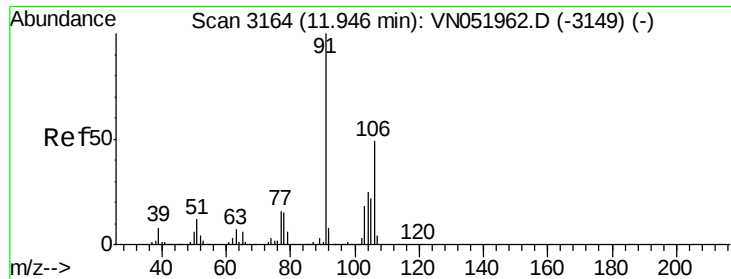
Tot Ion: 91 Resp: 1054799
Ion Ratio Lower Upper
91 100
106 34.2 26.4 39.6



#68
m/p-Xylenes
Concen: 40.653 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 106 Resp: 867374
Ion Ratio Lower Upper
106 100
91 190.3 152.2 228.2

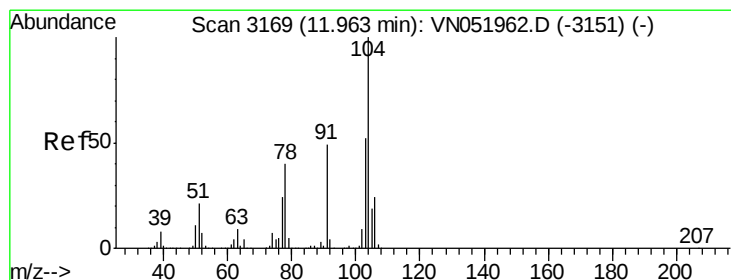
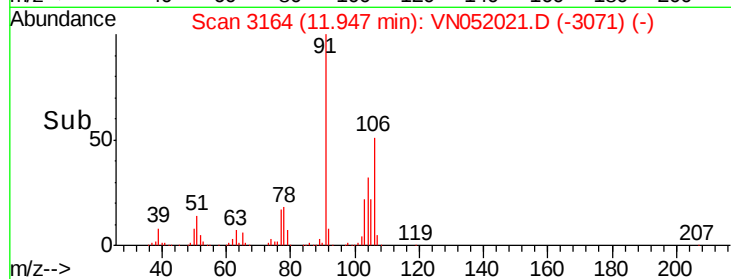
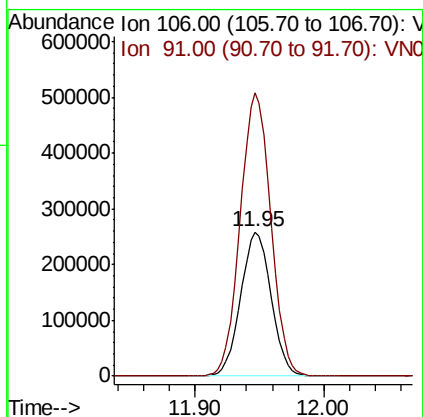
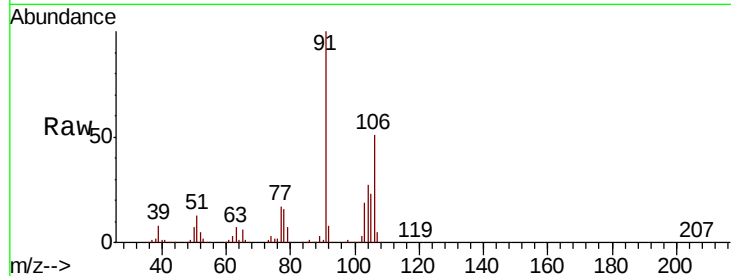




#69
o-Xylene
Concen: 20.411 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

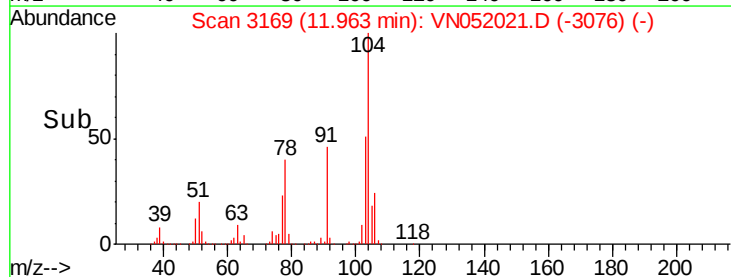
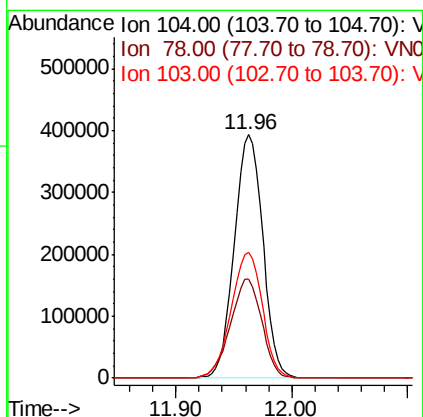
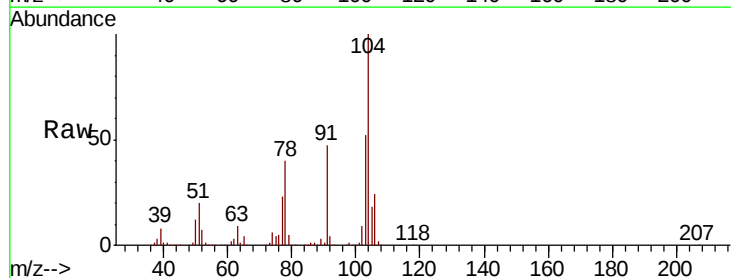
Instrument :
MSVOA_N
ClientSampled :
VN1026WBS01

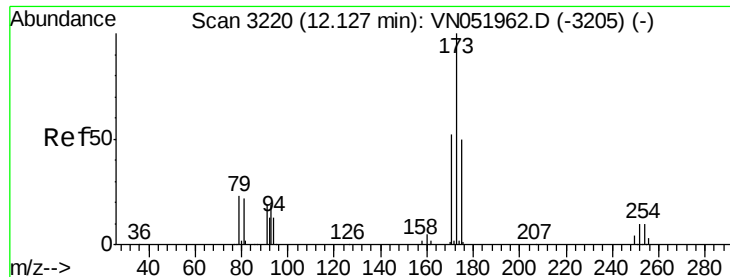
Tot Ion:106 Resp: 423525
Ion Ratio Lower Upper
106 100
91 197.4 101.0 303.0



#70
Styrene
Concen: 20.229 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion:104 Resp: 670883
Ion Ratio Lower Upper
104 100
78 44.7 35.8 53.6
103 56.4 44.9 67.3





#71

Bromoform

Concen: 18.213 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampled :

VN1026WBS01

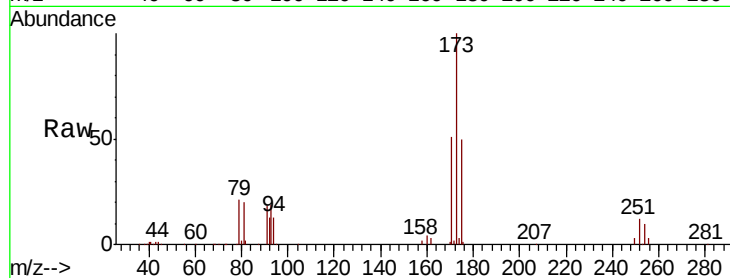
Tot Ion:173 Resp: 138794

Ion Ratio Lower Upper

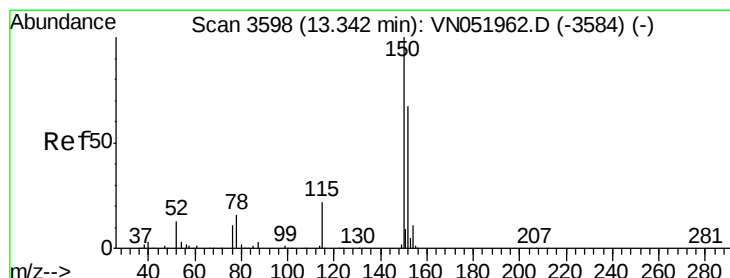
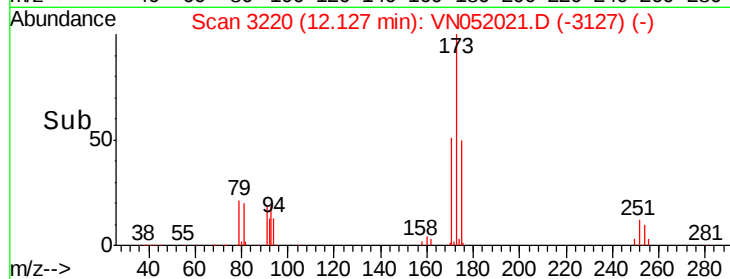
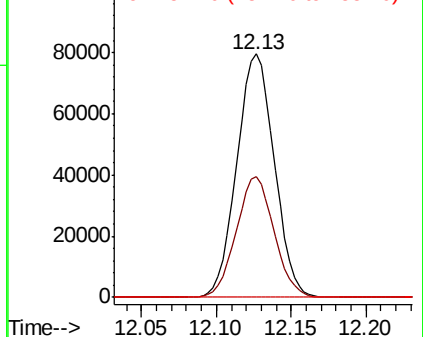
173 100

175 49.9 24.6 74.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

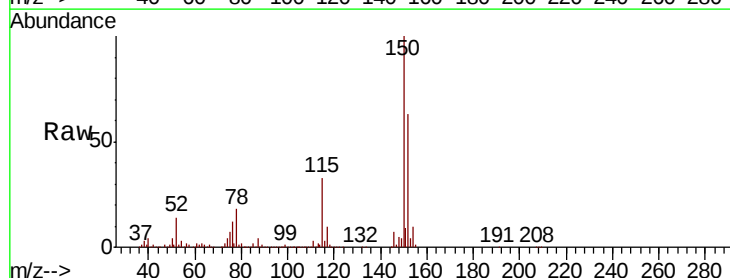
Tgt Ion:152 Resp: 819428

Ion Ratio Lower Upper

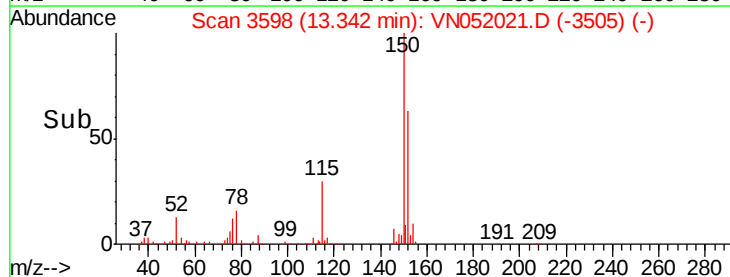
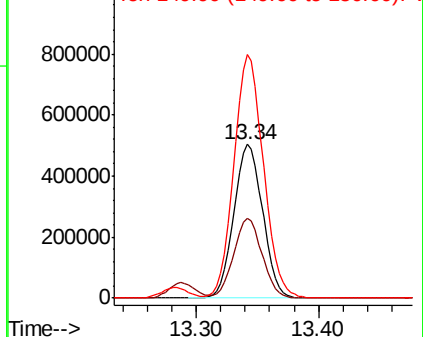
152 100

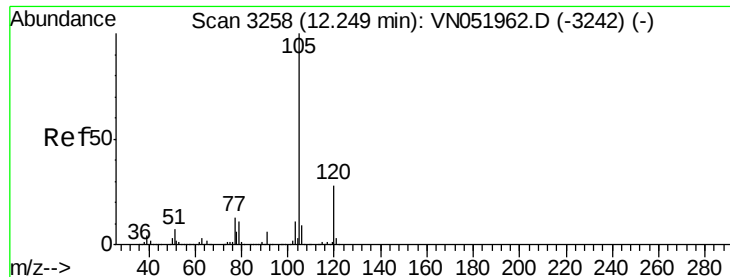
115 51.5 25.8 77.3

150 163.3 0.0 344.4



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





#73

Isopropylbenzene

Concen: 21.633 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

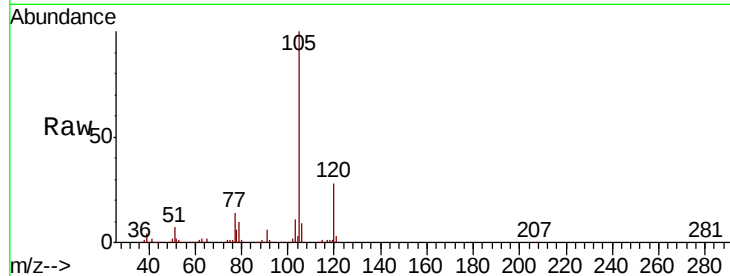
VN1026WBS01

Tot Ion:105 Resp: 1124205

Ion Ratio Lower Upper

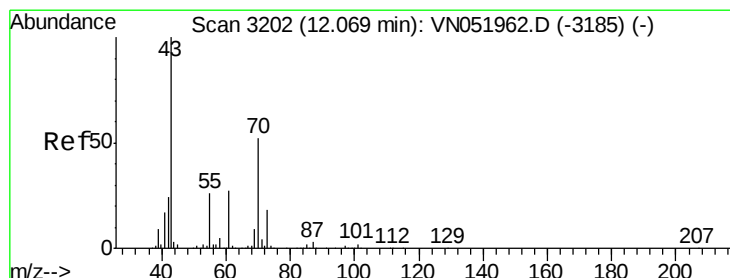
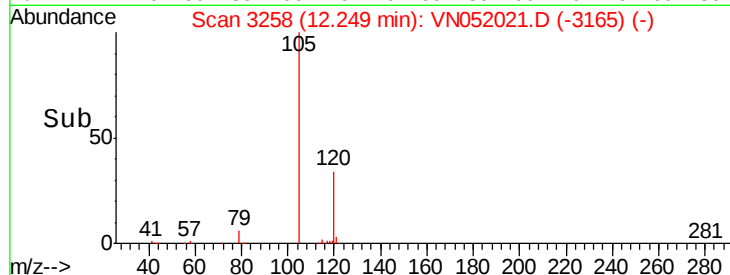
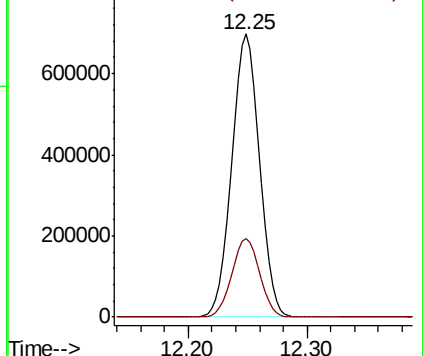
105 100

120 28.1 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.779 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion: 43 Resp: 192089

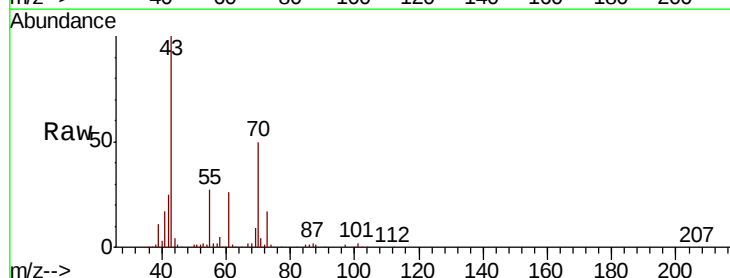
Ion Ratio Lower Upper

43 100

70 50.3 41.3 61.9

55 27.0 21.2 31.8

61 26.8 21.8 32.8

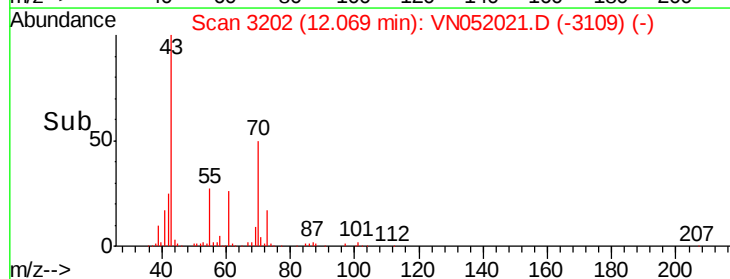
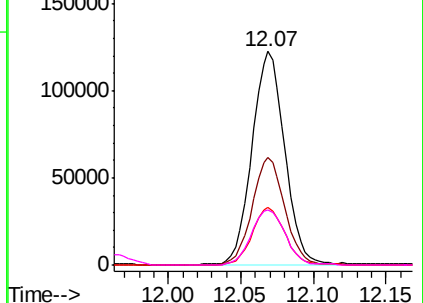


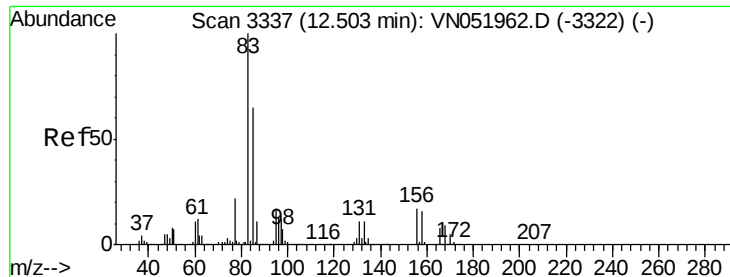
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.134 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

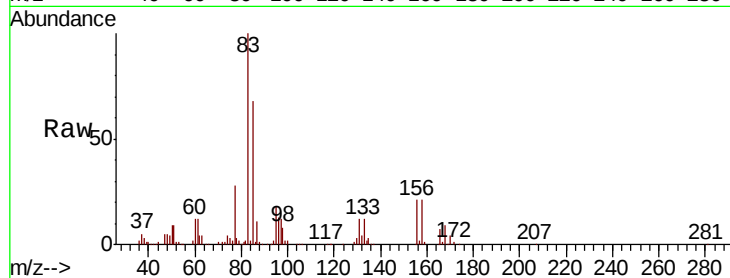
Tot Ion: 83 Resp: 205459

Ion Ratio Lower Upper

83 100

131 12.7 6.2 18.6

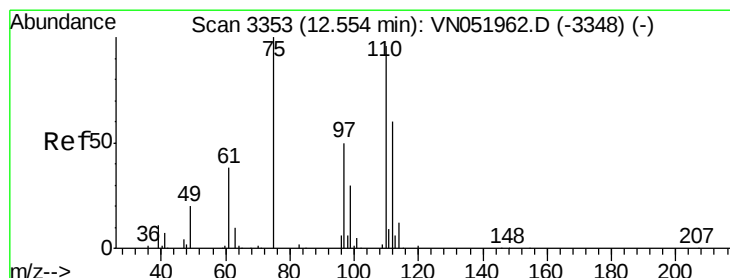
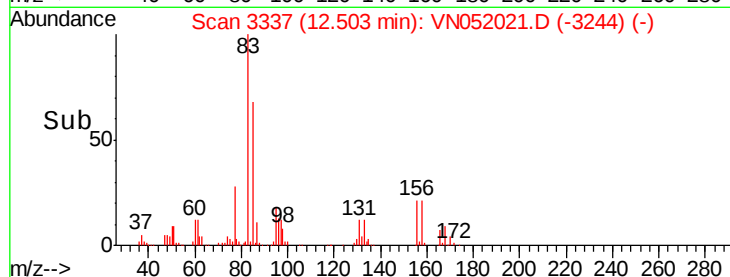
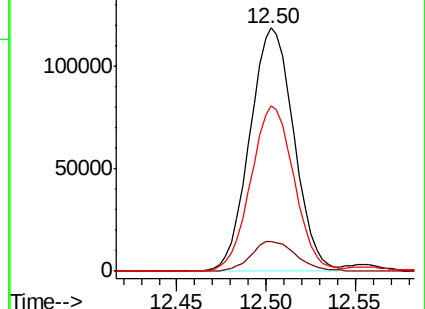
85 66.9 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 29.418 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052021.D

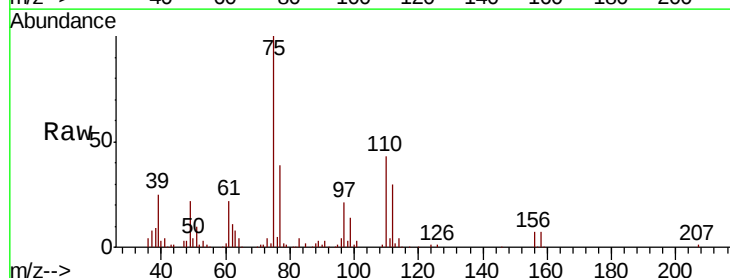
Acq: 26 Oct 2018 12:06

Tgt Ion: 75 Resp: 249003

Ion Ratio Lower Upper

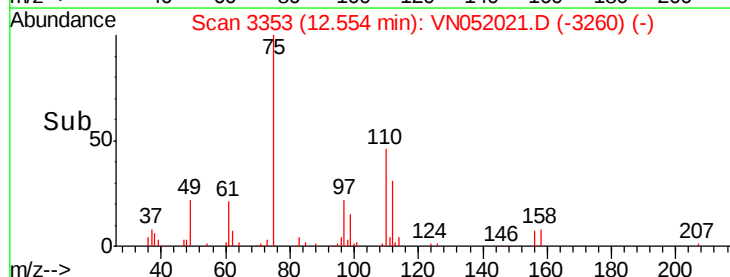
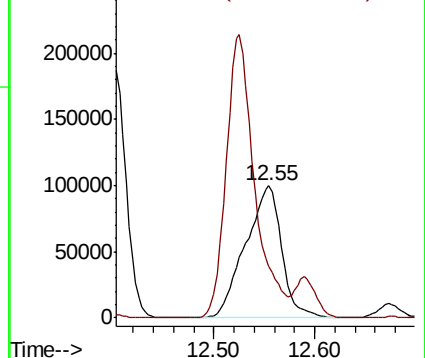
75 100

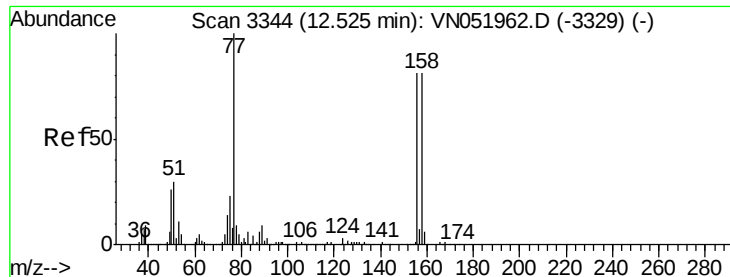
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)





#77

Bromobenzene

Concen: 21.552 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

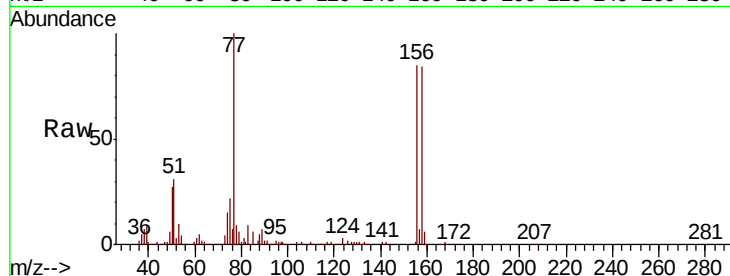
Tot Ion:156 Resp: 309106

Ion Ratio Lower Upper

156 100

77 136.3 71.1 213.3

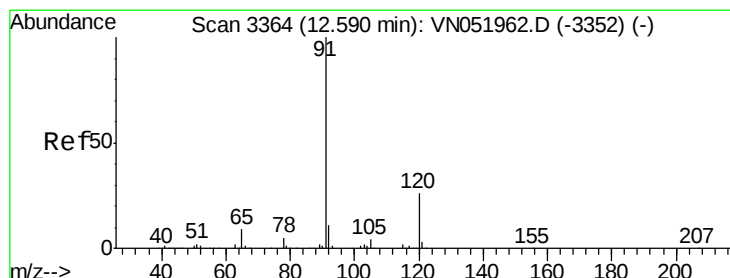
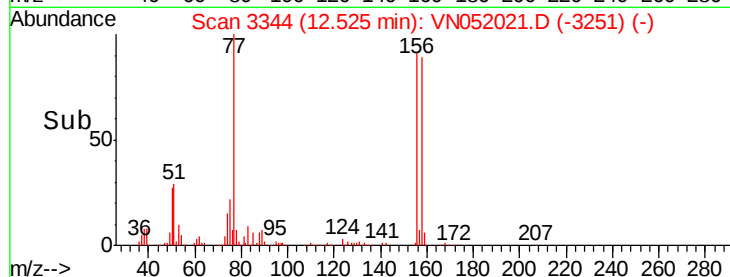
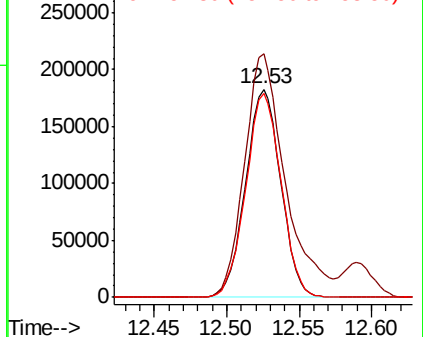
158 98.5 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.560 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052021.D

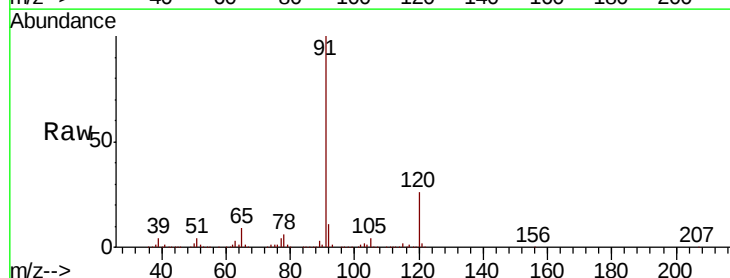
Acq: 26 Oct 2018 12:06

Tgt Ion: 91 Resp: 1208663

Ion Ratio Lower Upper

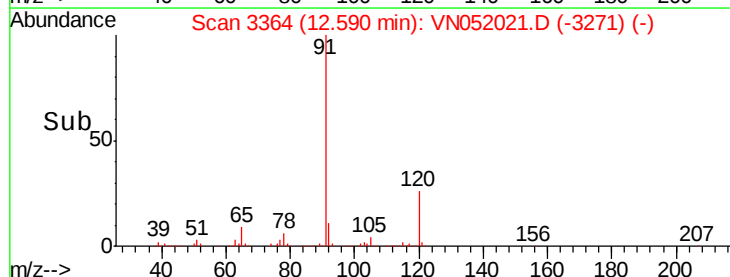
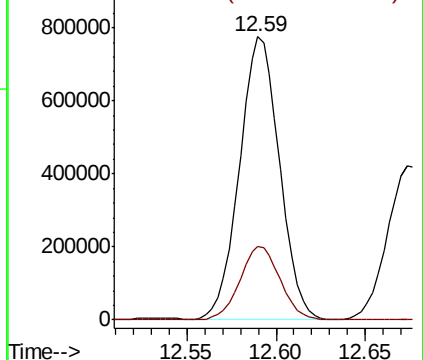
91 100

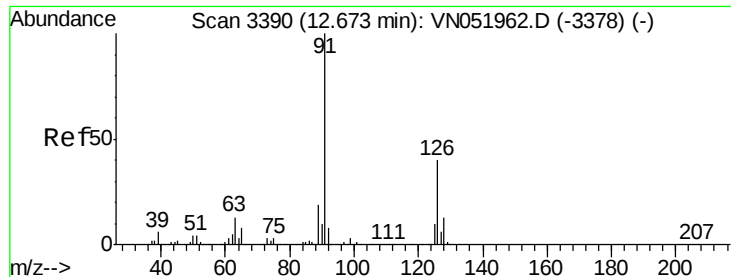
120 26.1 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.314 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

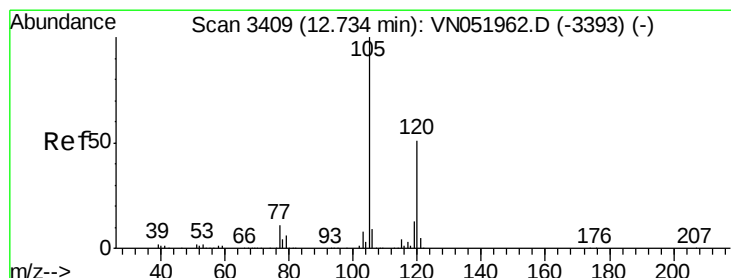
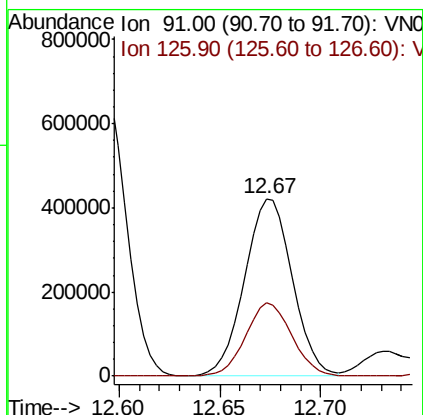
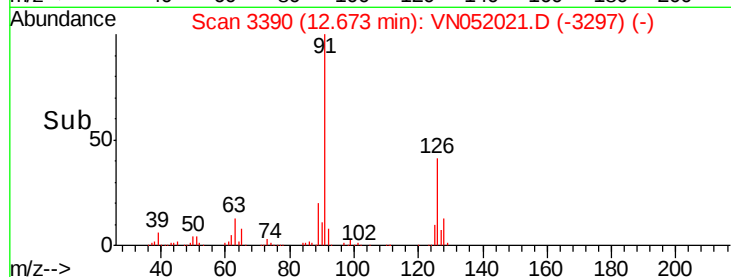
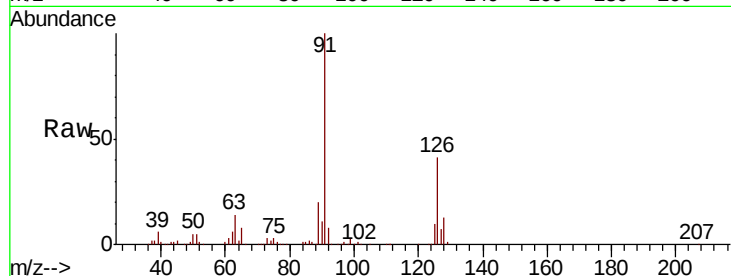
VN1026WBS01

Tot Ion: 91 Resp: 695827

Ion Ratio Lower Upper

91 100

126 40.1 20.1 60.3



#80

1,3,5-Trimethylbenzene

Concen: 21.838 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052021.D

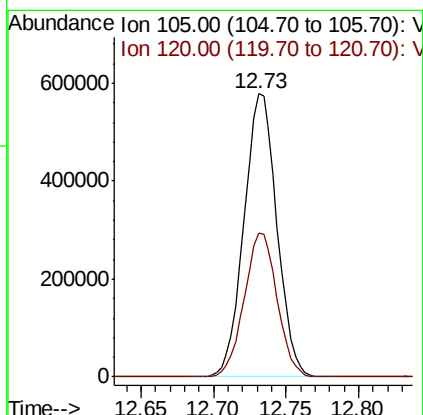
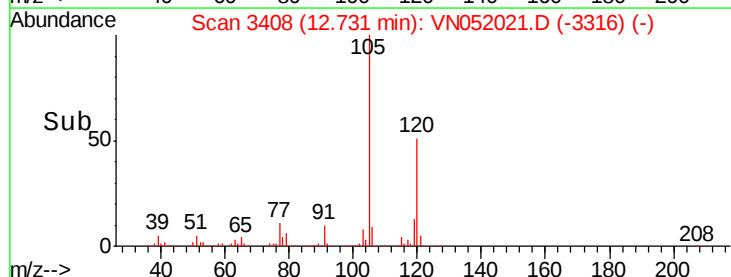
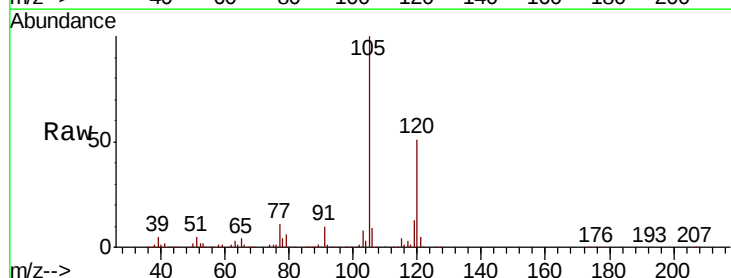
Acq: 26 Oct 2018 12:06

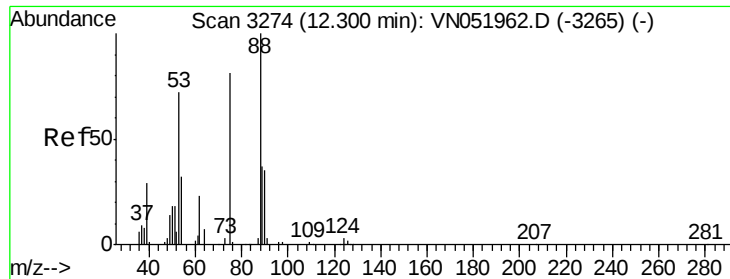
Tgt Ion: 105 Resp: 910526

Ion Ratio Lower Upper

105 100

120 50.8 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.811 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

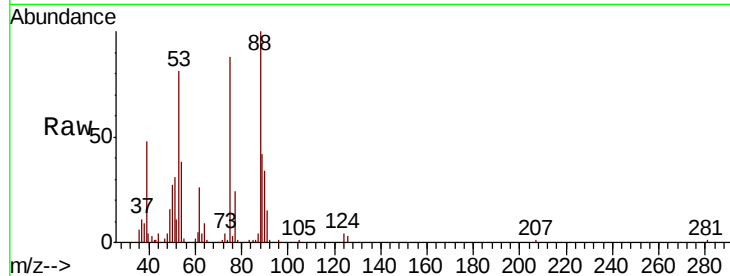
Tot Ion: 75 Resp: 46328

Ion Ratio Lower Upper

75 100

53 94.2 73.5 110.3

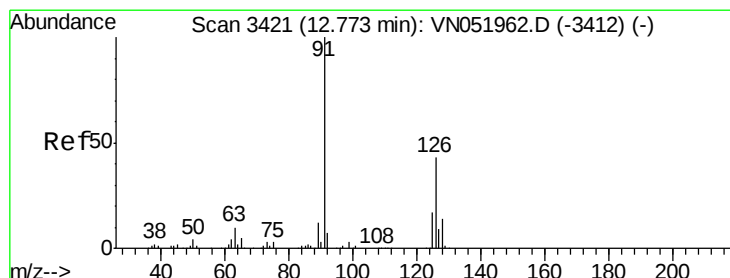
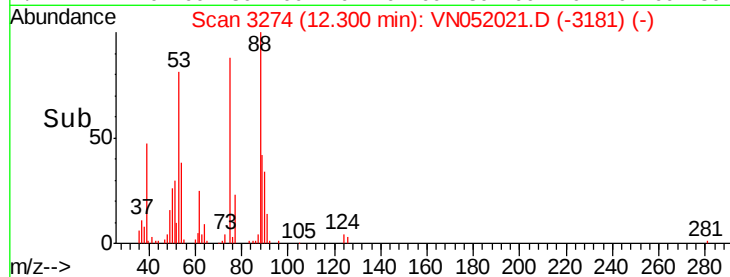
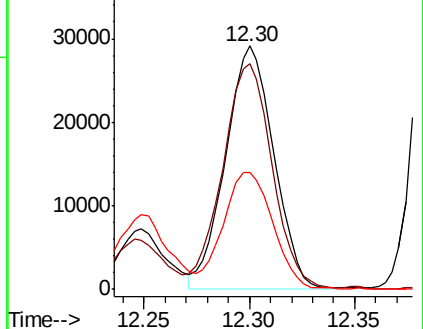
89 49.6 41.6 62.4



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN051962.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN051962.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 20.891 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052021.D

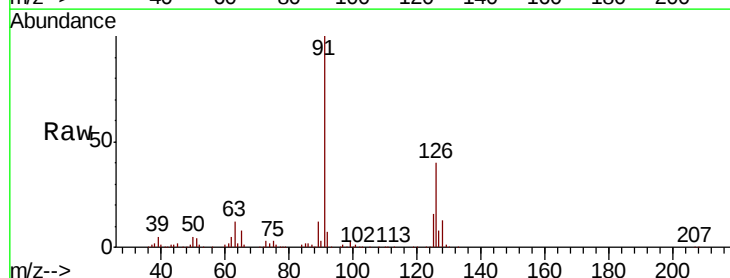
Acq: 26 Oct 2018 12:06

Tgt Ion: 91 Resp: 706136

Ion Ratio Lower Upper

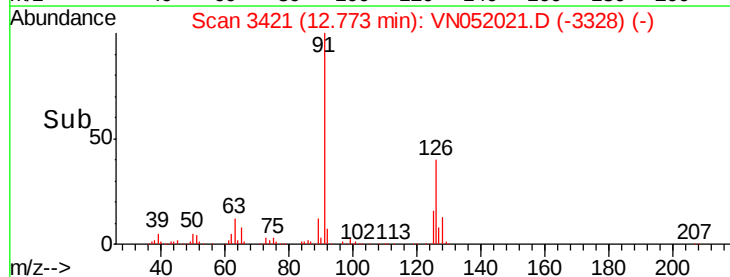
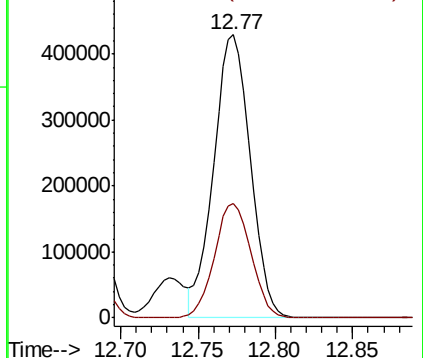
91 100

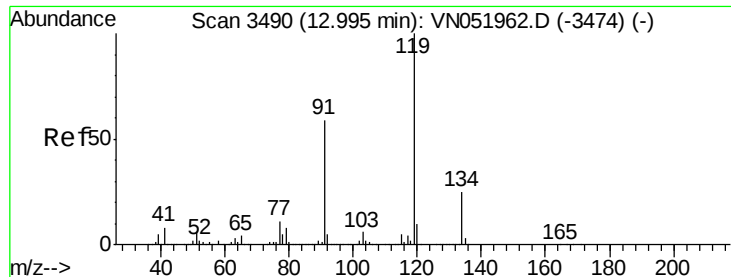
126 40.3 19.7 59.0



Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN051962.D (-3412) (-)

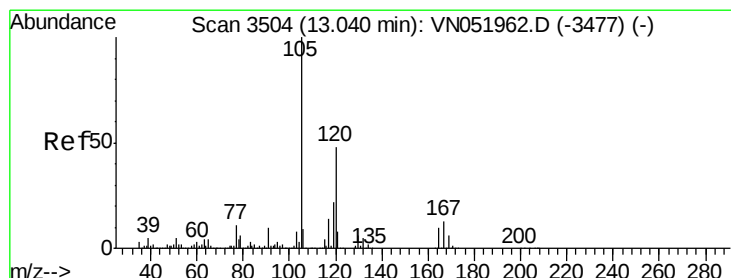
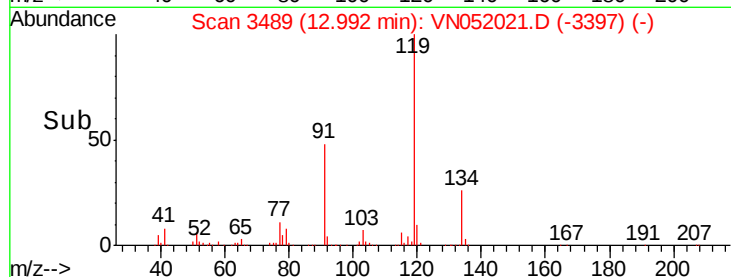
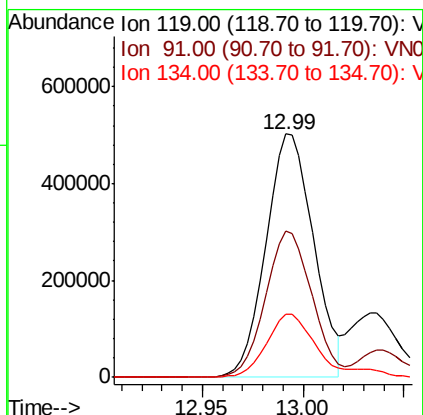
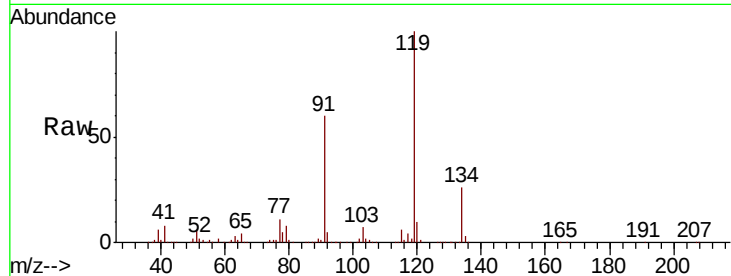




#83
 tert-Butylbenzene
 Concen: 20.916 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

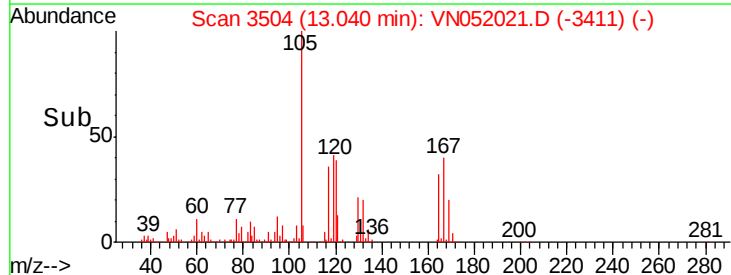
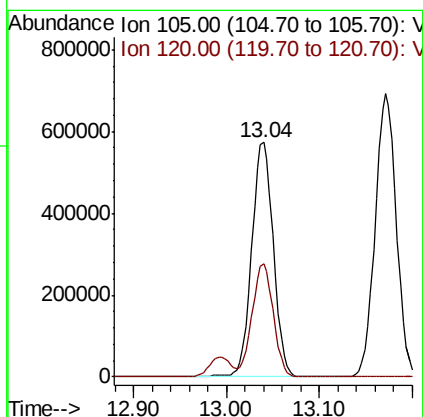
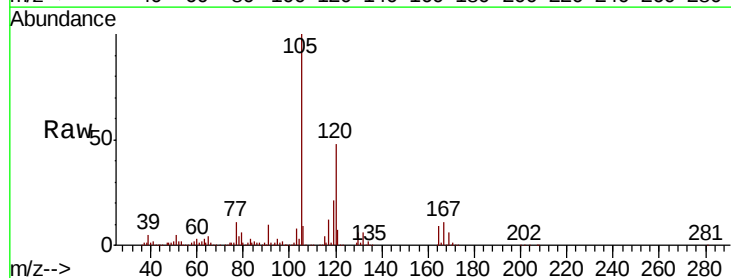
Instrument :
 MSVOA_N
 ClientSampled :
 VN1026WBS01

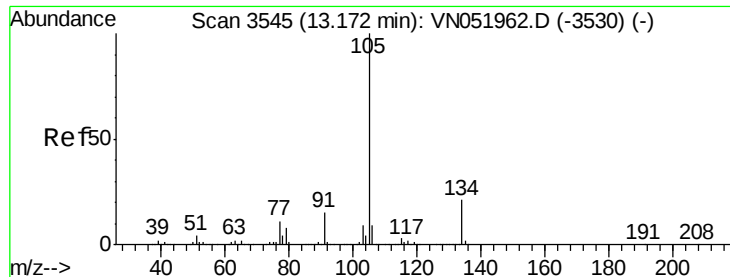
Tot Ion:119 Resp: 824816
 Ion Ratio Lower Upper
 119 100
 91 58.6 28.8 86.4
 134 26.2 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.495 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion:105 Resp: 924448
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.8 71.5





#85

sec-Butylbenzene

Concen: 21.100 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

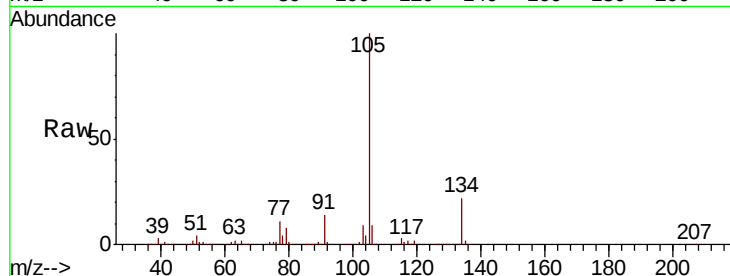
VN1026WBS01

Tot Ion:105 Resp: 1086710

Ion Ratio Lower Upper

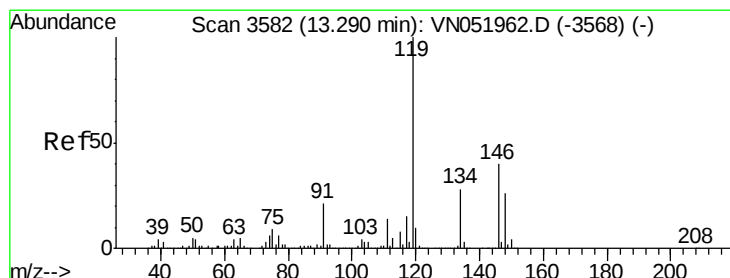
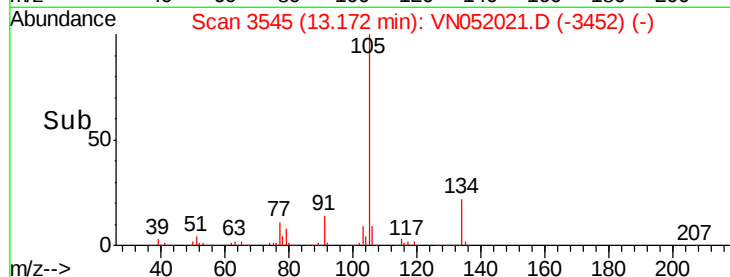
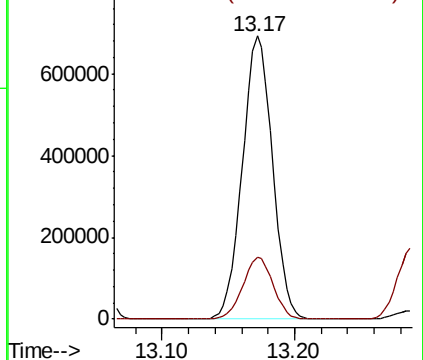
105 100

134 22.0 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.987 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

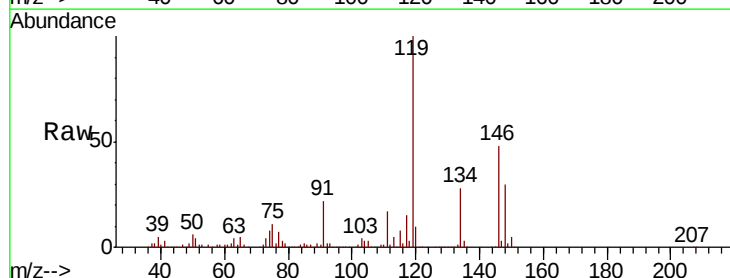
Tgt Ion:119 Resp: 973151

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

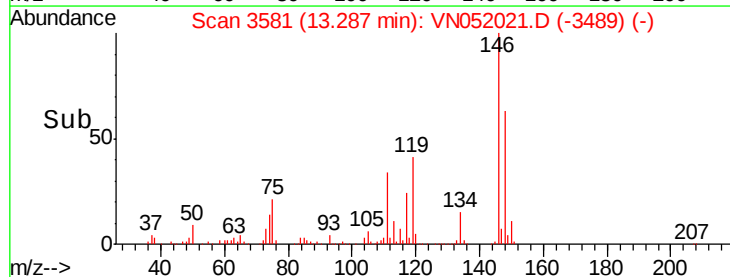
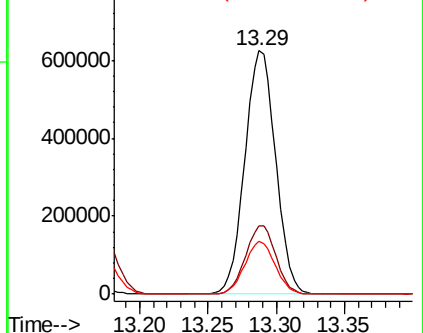
91 21.3 10.6 31.8

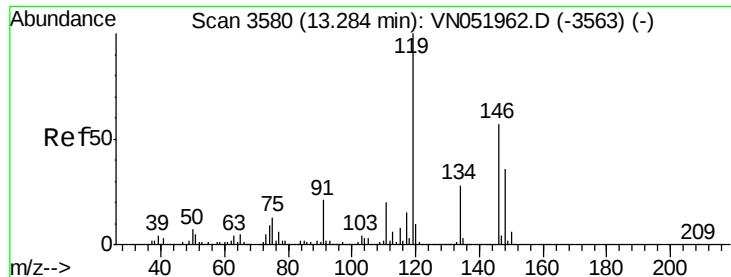


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.316 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

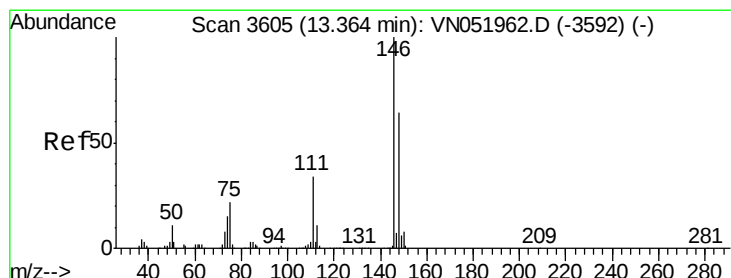
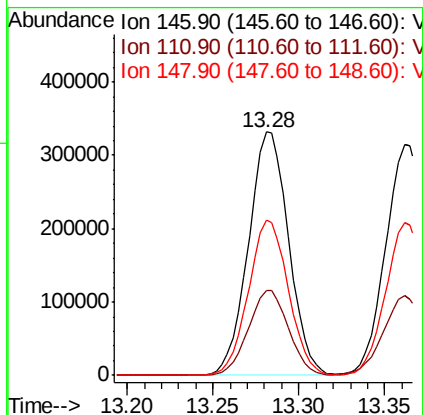
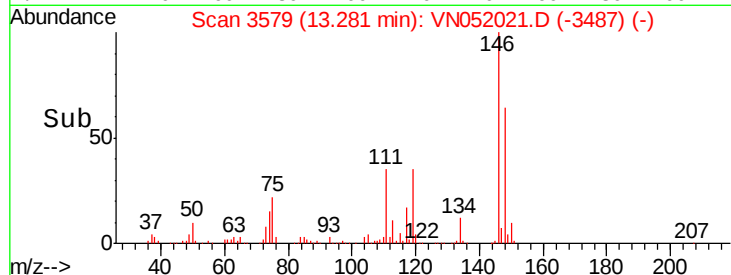
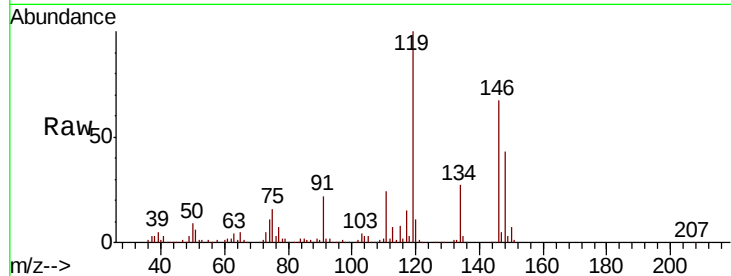
Tot Ion:146 Resp: 537397

Ion Ratio Lower Upper

146 100

111 34.9 17.6 52.8

148 63.4 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 20.211 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

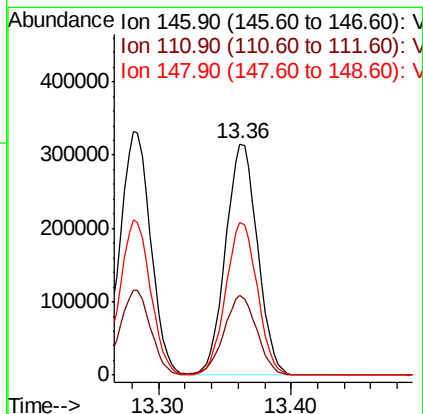
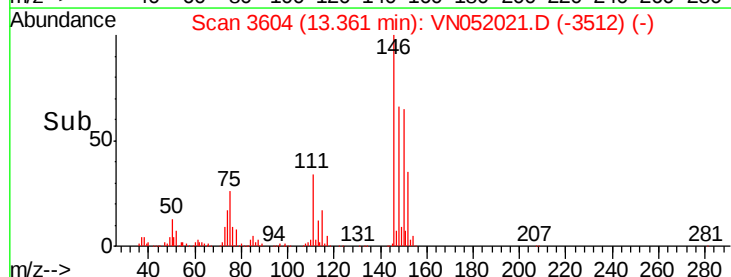
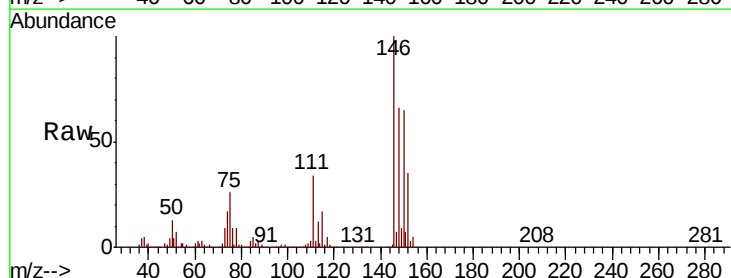
Tgt Ion:146 Resp: 527074

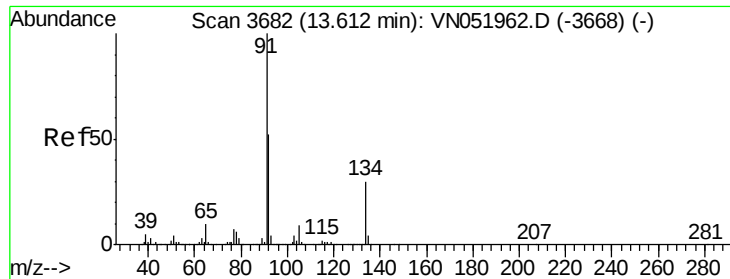
Ion Ratio Lower Upper

146 100

111 35.5 17.3 51.7

148 65.3 32.1 96.3





#89

n-Butylbenzene

Concen: 19.688 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampled :

VN1026WBS01

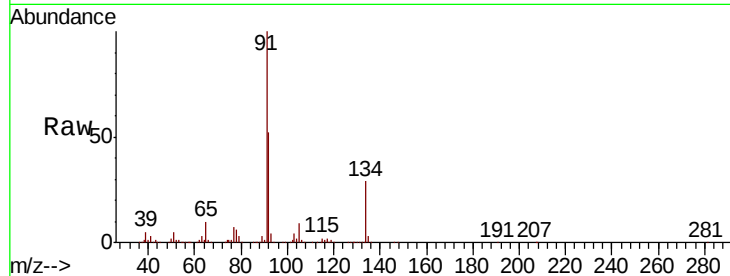
Tot Ion: 91 Resp: 726932

Ion Ratio Lower Upper

91 100

92 51.2 25.9 77.8

134 29.4 15.2 45.6

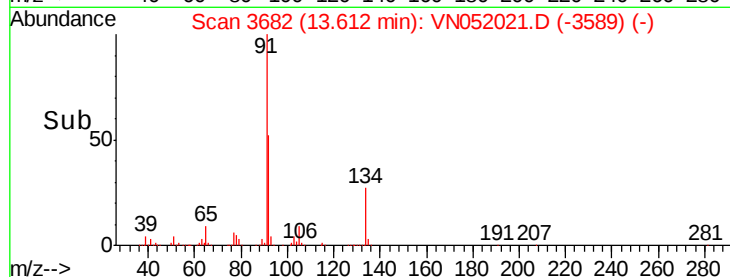


Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)

Time-->

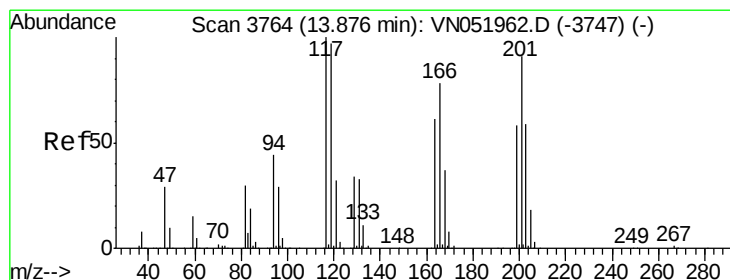


Abundance Ion 91.00 (90.70 to 91.70): VN052021.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN052021.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN052021.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 19.468 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052021.D

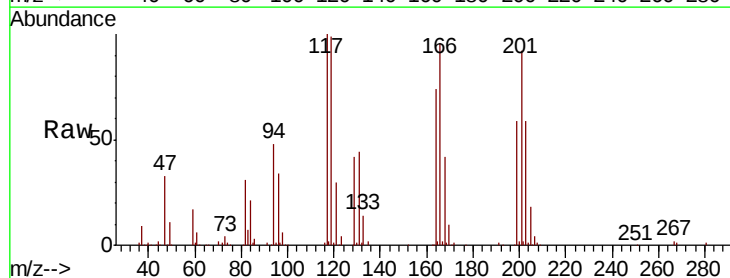
Acq: 26 Oct 2018 12:06

Tgt Ion: 117 Resp: 134485

Ion Ratio Lower Upper

117 100

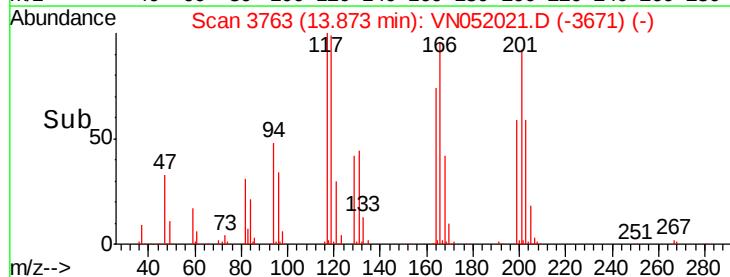
201 94.2 45.6 136.9



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN051962.D (-3747) (-)

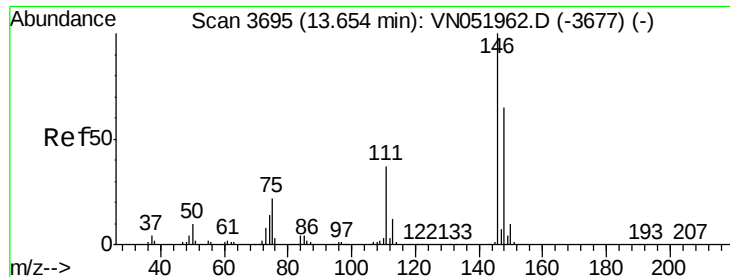
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN052021.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052021.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 19.250 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

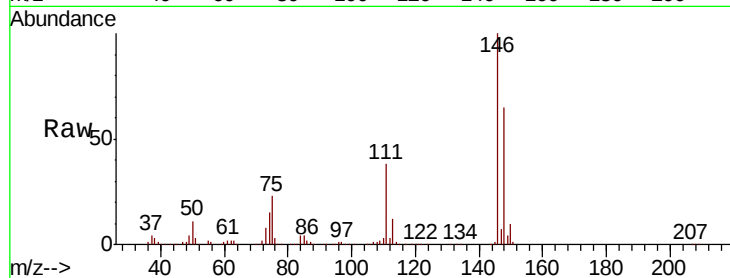
Tot Ion:146 Resp: 492613

Ion Ratio Lower Upper

146 100

111 36.4 18.3 54.9

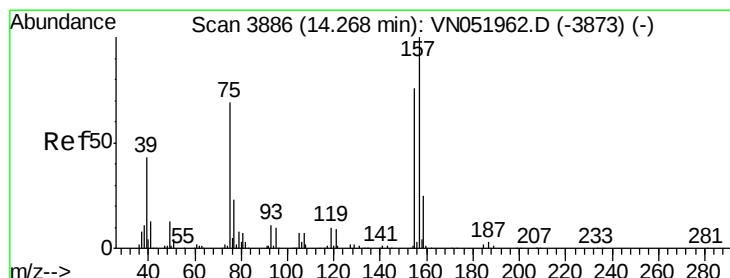
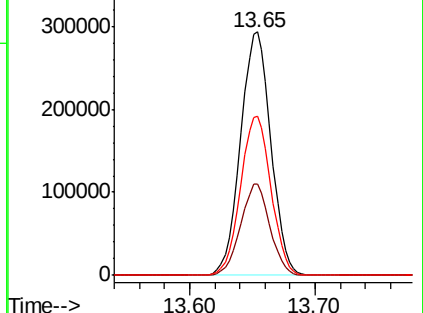
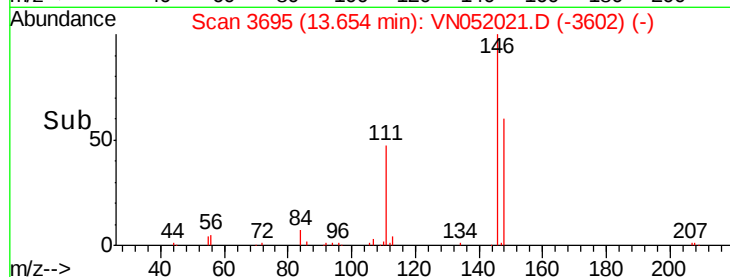
148 65.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.117 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

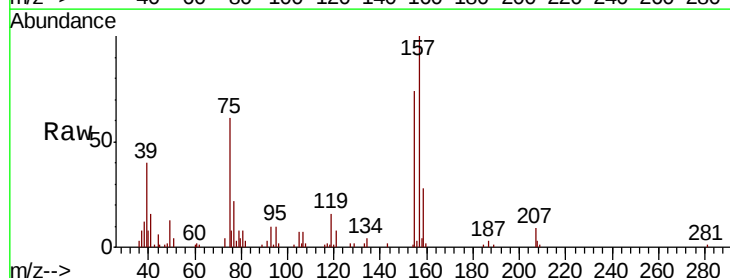
Tgt Ion: 75 Resp: 21627

Ion Ratio Lower Upper

75 100

155 124.3 56.0 167.9

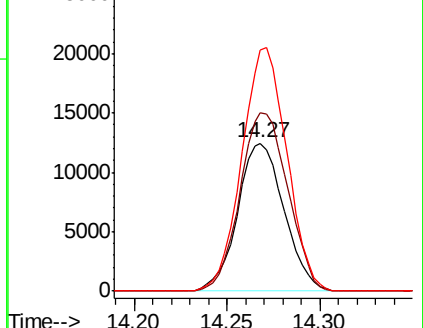
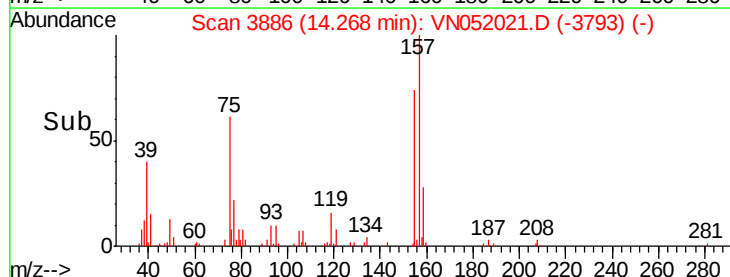
157 159.2 73.9 221.6

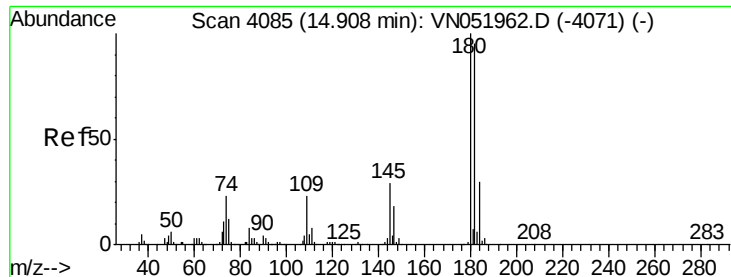


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

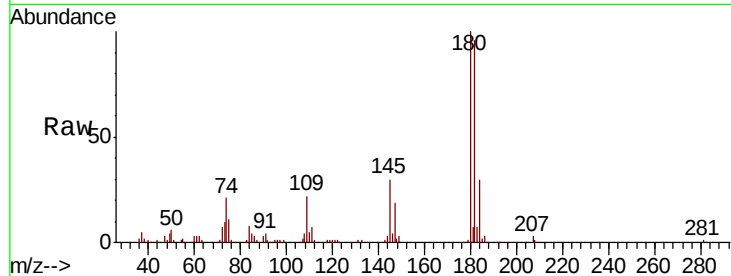




#93
 1,2,4-Trichlorobenzene
 Concen: 12.500 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.4
145	29.0	14.5	43.5

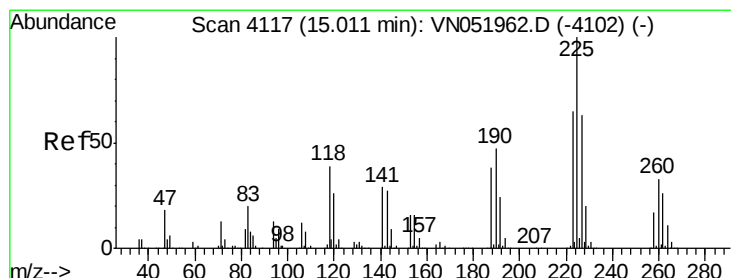
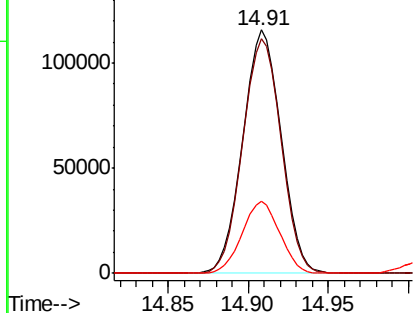
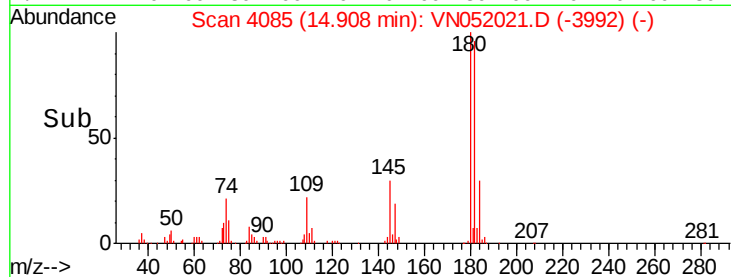


Abundance

Ion 179.80 (179.50 to 180.50): V

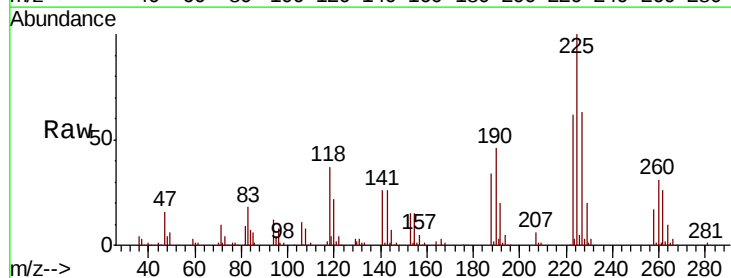
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 15.460 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.8	95.4
227	63.1	31.4	94.2

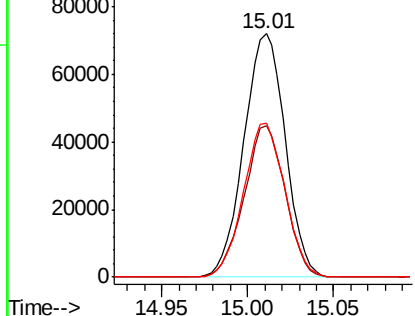
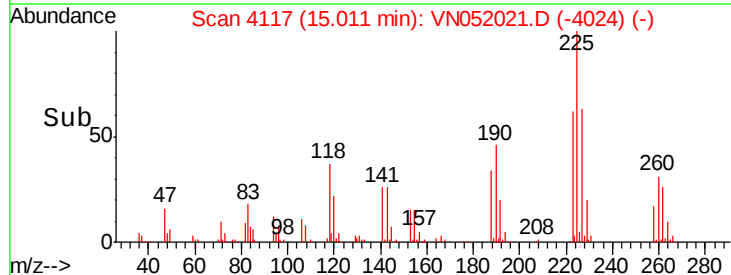


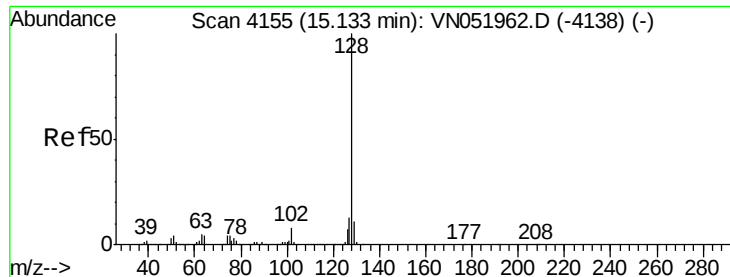
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 11.023 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampled :

VN1026WBS01

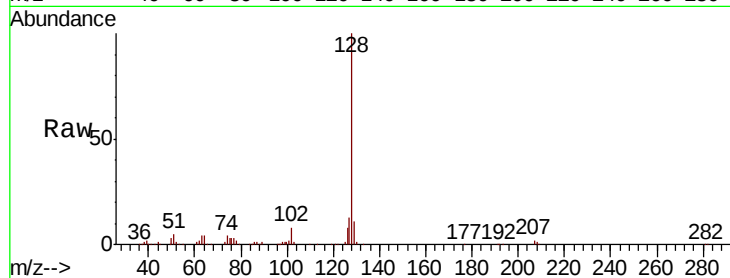
Tot Ion:128 Resp: 361862

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

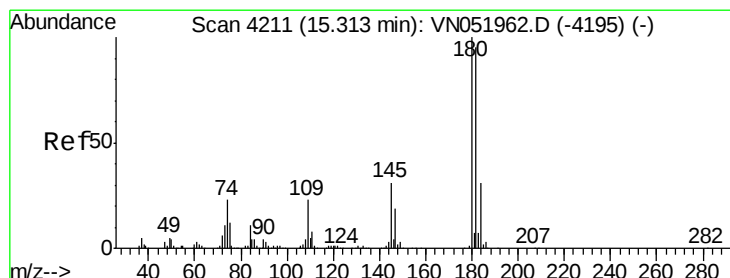
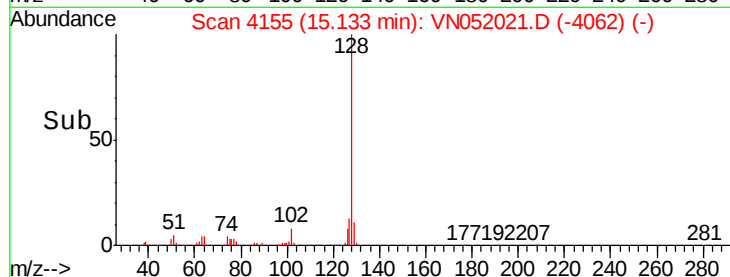
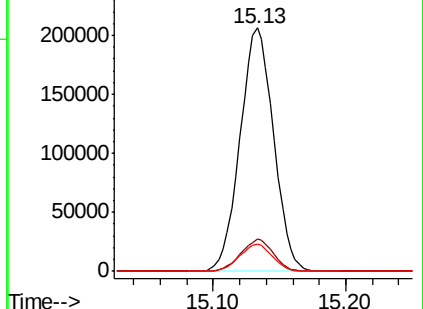
129 11.0 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 10.888 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

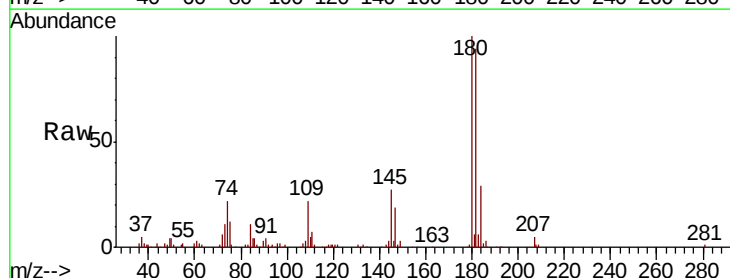
Tgt Ion:180 Resp: 157315

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.6

145 28.6 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

