

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053024.D
 Acq On : 19 Dec 2018 21:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 05:25:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1138352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1748951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1511632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	650635	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	612714	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
35) Dibromofluoromethane	7.59	113	476272	59.61	ug/l	0.00
Spiked Amount			Recovery	=	119.22%	
50) Toluene-d8	10.09	98	2220678	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.40	95	730430	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	551735	47.889	ug/l	100
3) Chloromethane	2.06	50	640728	45.894	ug/l	99
4) Vinyl Chloride	2.19	62	691806	48.928	ug/l	100
5) Bromomethane	2.57	94	450504	45.988	ug/l	99
6) Chloroethane	2.71	64	408475	48.779	ug/l	100
7) Trichlorofluoromethane	3.03	101	882448	50.099	ug/l	100
8) Diethyl Ether	3.41	74	342997	51.618	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	560699	49.926	ug/l	98
10) Methyl Iodide	3.96	142	793597	50.319	ug/l	99
11) Tert butyl alcohol	4.78	59	181711	257.795	ug/l	98
12) 1,1-Dichloroethene	3.74	96	544583	50.192	ug/l	98
13) Acrolein	3.61	56	231292	361.886	ug/l	99
14) Allyl chloride	4.33	41	841960	50.098	ug/l	98
15) Acrylonitrile	4.99	53	1008003	257.414	ug/l	100
16) Acetone	3.82	43	621760	274.507	ug/l	96
17) Carbon Disulfide	4.06	76	1559072	44.061	ug/l	99
18) Methyl Acetate	4.32	43	520946	50.661	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1520775	52.377	ug/l	98
20) Methylene Chloride	4.55	84	612367	49.563	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	577049	49.501	ug/l	98
22) Diisopropyl ether	5.95	45	1897304	52.889	ug/l	97
23) Vinyl Acetate	5.90	43	5440352	263.734	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1090868	51.174	ug/l	99
25) 2-Butanone	6.83	43	1050225	276.285	ug/l	97
26) 2,2-Dichloropropane	6.83	77	762800	46.876	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	668333	50.641	ug/l	99
28) Bromochloromethane	7.20	49	480986	52.072	ug/l	96
29) Tetrahydrofuran	7.21	42	744157	262.117	ug/l	98
30) Chloroform	7.37	83	1060200	50.629	ug/l	99
31) Cyclohexane	7.66	56	1011400	50.601	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	900535	50.482	ug/l	99
36) 1,1-Dichloropropene	7.79	75	833783	49.669	ug/l	99
37) Ethyl Acetate	6.93	43	496734	53.006	ug/l	100
38) Carbon Tetrachloride	7.78	117	777085	50.504	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	963313	47.238	ug/l	98
40) Benzene	8.04	78	2520800	50.484	ug/l	99
41) Methacrylonitrile	7.17	41	301096	55.608	ug/l	94
42) 1,2-Dichloroethane	8.12	62	740766	50.218	ug/l	98
43) Isopropyl Acetate	8.16	43	933886	51.528	ug/l	98
44) Trichloroethene	8.83	130	707369	48.979	ug/l	97
45) 1,2-Dichloropropane	9.12	63	670871	51.582	ug/l	99
46) Dibromomethane	9.21	93	375725	49.591	ug/l	98
47) Bromodichloromethane	9.40	83	816139	50.676	ug/l	99
48) Methyl methacrylate	9.20	41	468702	51.542	ug/l	99
49) 1,4-Dioxane	9.20	88	108362	942.032	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2413589	265.950	ug/l	99
52) Toluene	10.16	92	1525688	49.296	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	832017	49.129	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	970306	49.916	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	551945	51.119	ug/l	99
56) Ethyl methacrylate	10.43	69	743356	52.015	ug/l	97
57) 1,3-Dichloropropane	10.71	76	947051	51.149	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2063629	263.022	ug/l	98
59) 2-Hexanone	10.75	43	1602268	260.947	ug/l	99
60) Dibromochloromethane	10.90	129	612389	49.549	ug/l	100
61) 1,2-Dibromoethane	11.01	107	549684	50.127	ug/l	99
64) Tetrachloroethene	10.63	164	798586	48.771	ug/l	99
65) Chlorobenzene	11.43	112	1667989	49.778	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	599497	51.448	ug/l	100
67) Ethyl Benzene	11.51	91	2879375	49.967	ug/l	100
68) m/p-Xylenes	11.62	106	2157283	98.475	ug/l	99
69) o-Xylene	11.95	106	1048464	49.876	ug/l	99
70) Styrene	11.96	104	1714659	50.022	ug/l	100
71) Bromoform	12.13	173	404789	48.086	ug/l #	100
73) Isopropylbenzene	12.25	105	2768757	54.389	ug/l	99
74) N-amyl acetate	12.07	43	812679	57.500	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	564815	56.555	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	790722	72.194	ug/l #	100
77) Bromobenzene	12.53	156	704046	53.205	ug/l	98
78) n-propylbenzene	12.59	91	3074700	53.032	ug/l	99
79) 2-Chlorotoluene	12.67	91	1804570	50.214	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2111337	50.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	179194	52.732	ug/l	96
82) 4-Chlorotoluene	12.77	91	1810564	51.467	ug/l	99
83) tert-Butylbenzene	12.99	119	1879490	51.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2138901	51.277	ug/l	100
85) sec-Butylbenzene	13.17	105	2473025	49.823	ug/l	99
86) p-Isopropyltoluene	13.29	119	2128697	49.632	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1164574	49.725	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1144057	48.237	ug/l	100
89) n-Butylbenzene	13.62	91	1720274	46.622	ug/l	99
90) Hexachloroethane	13.88	117	324151	49.250	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1083950	49.176	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83786	48.520	ug/l	98

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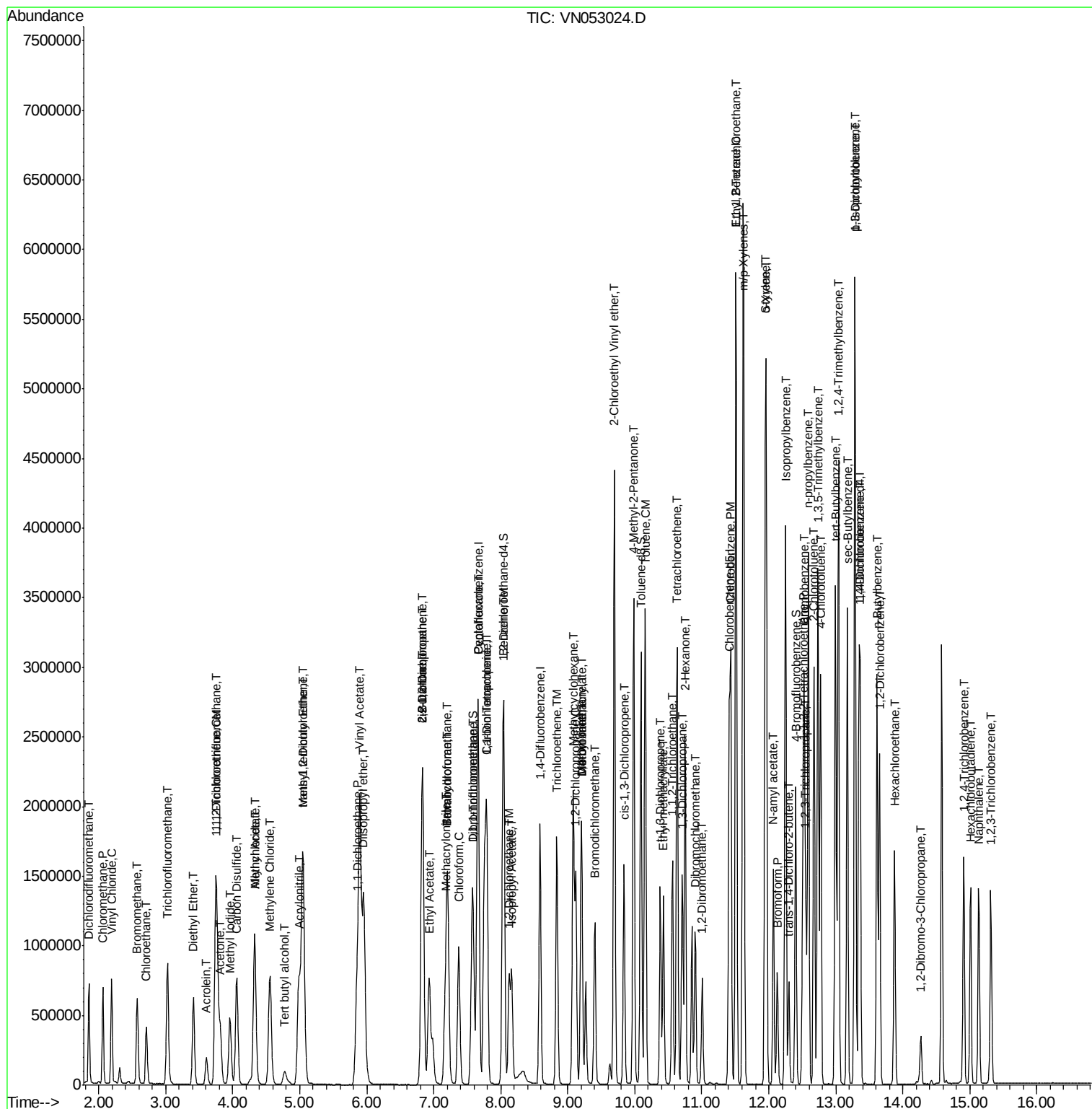
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	576052	49.336	ug/l	99
94) Hexachlorobutadiene	15.01	225	308517	51.086	ug/l	99
95) Naphthalene	15.13	128	1253774	49.034	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	519038	49.363	ug/l	99

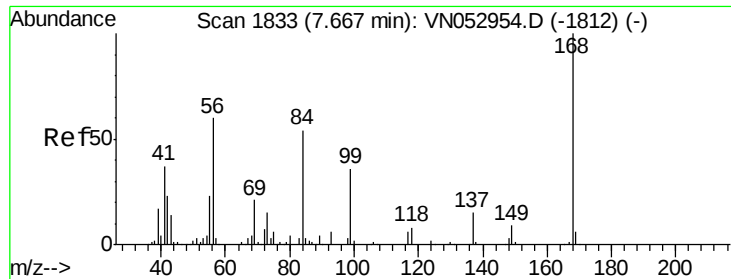
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121918\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

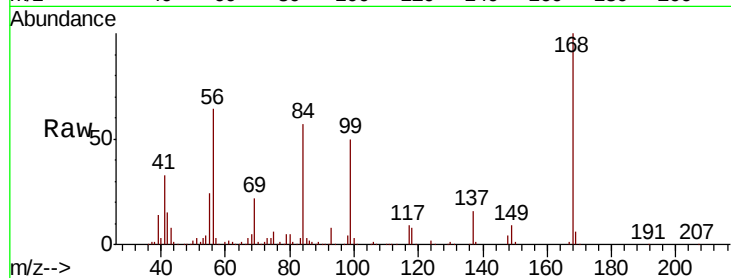
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1138352

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

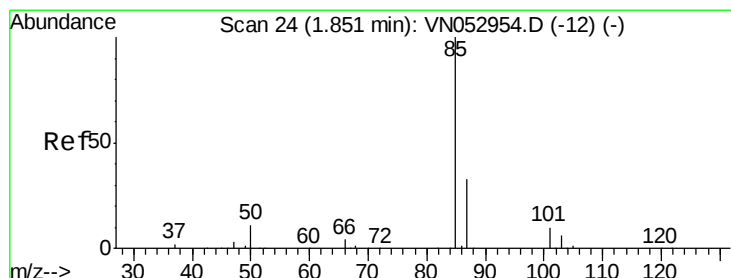
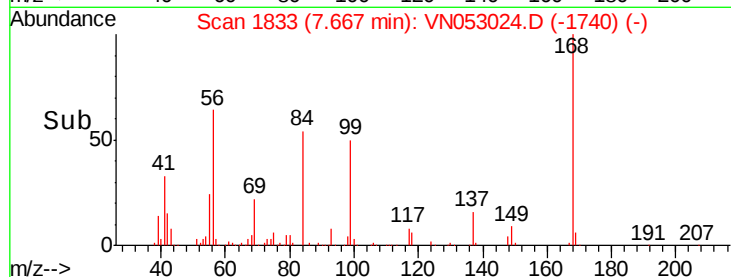
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 47.889 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053024.D

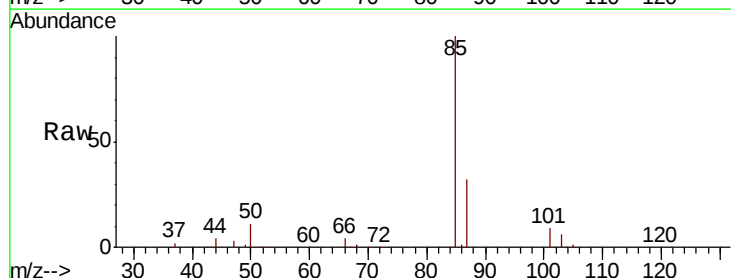
Acq: 19 Dec 2018 21:30

Tgt Ion: 85 Resp: 551735

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

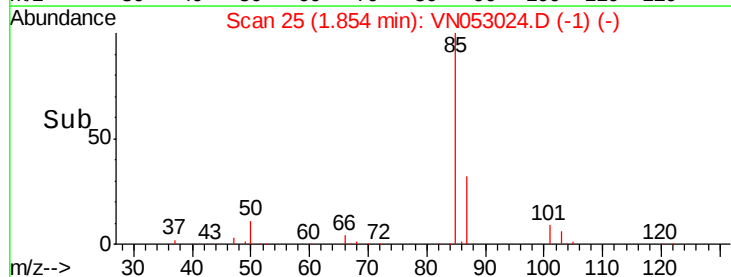
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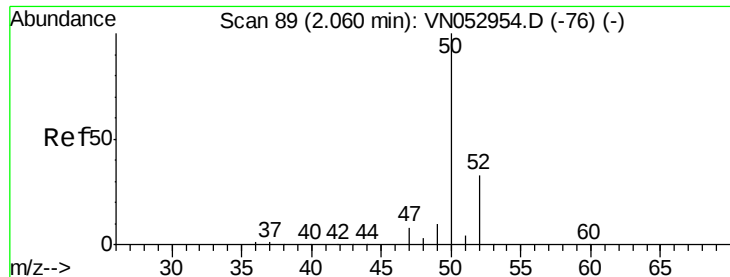
200000

100000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 45.894 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

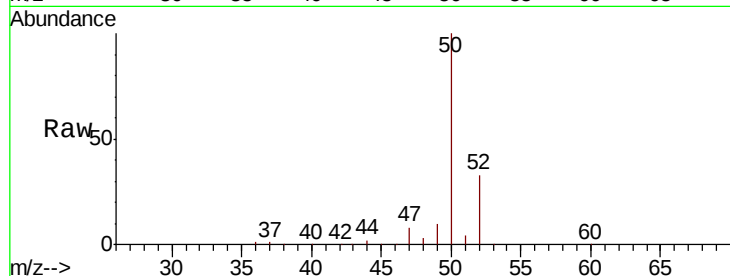
ClientSampleId :

Tot Ion: 50 Resp: 640728

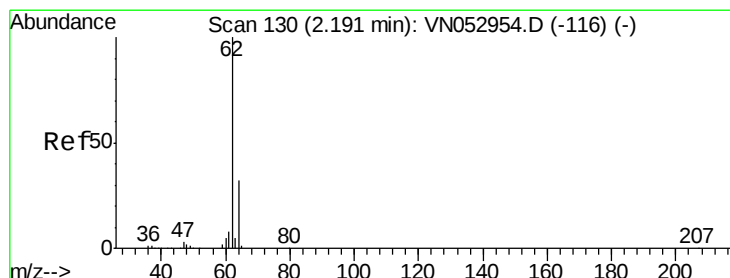
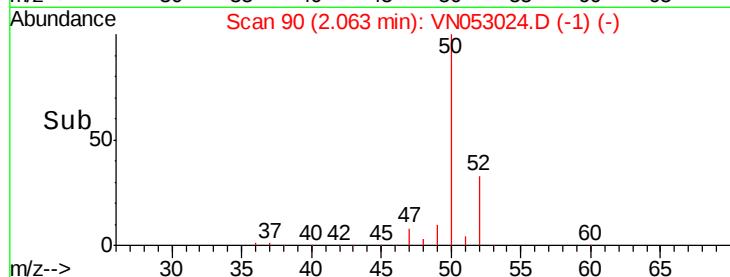
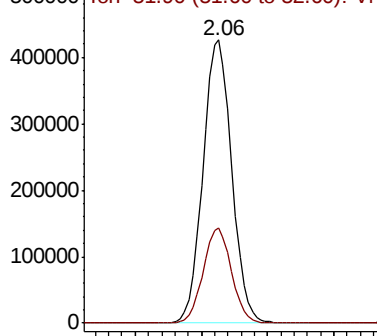
Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.928 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053024.D

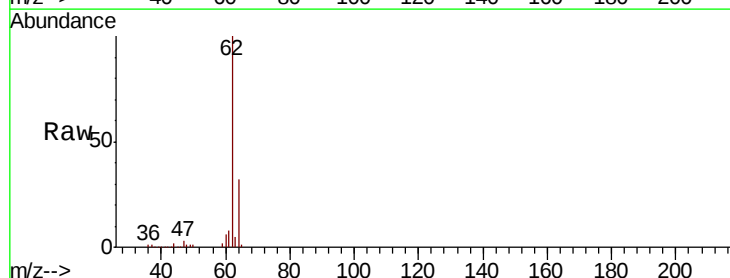
Acq: 19 Dec 2018 21:30

Tgt Ion: 62 Resp: 691806

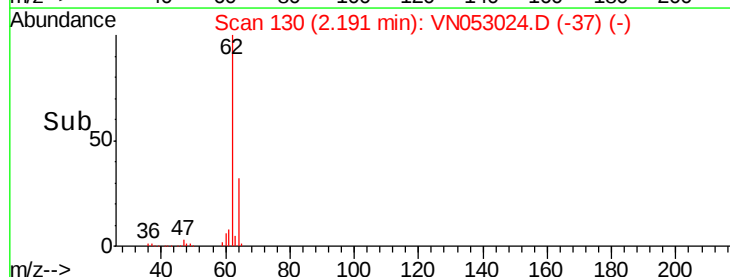
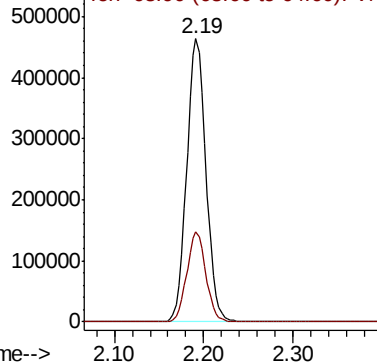
Ion Ratio Lower Upper

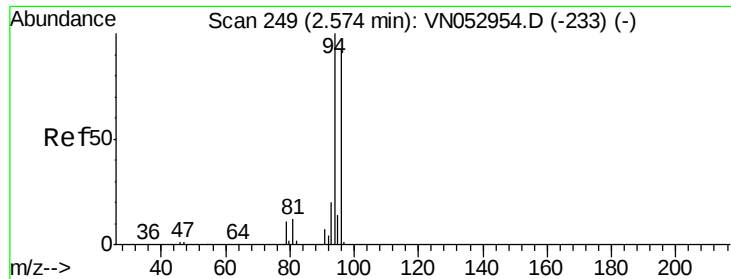
62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO

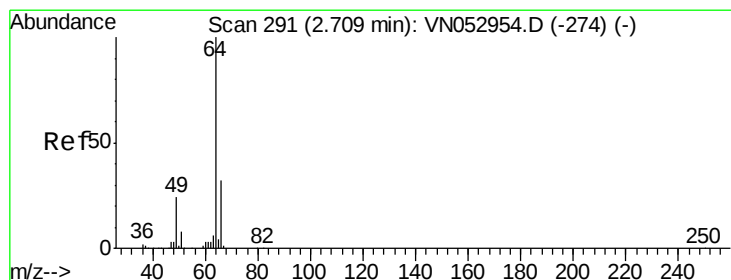
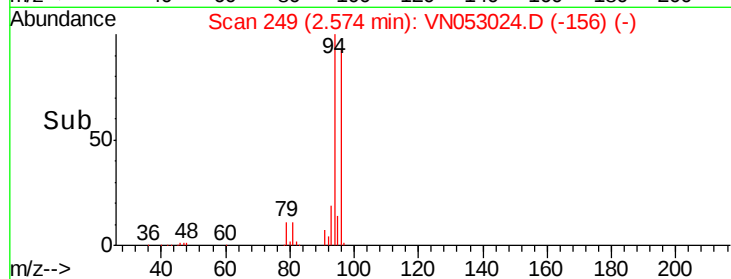
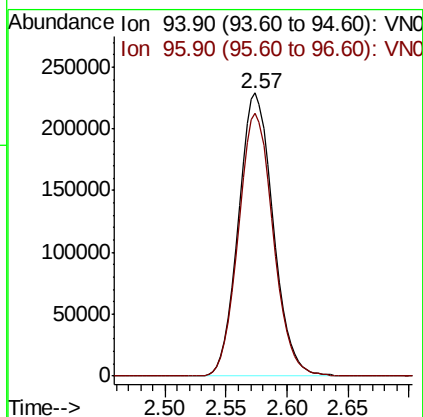
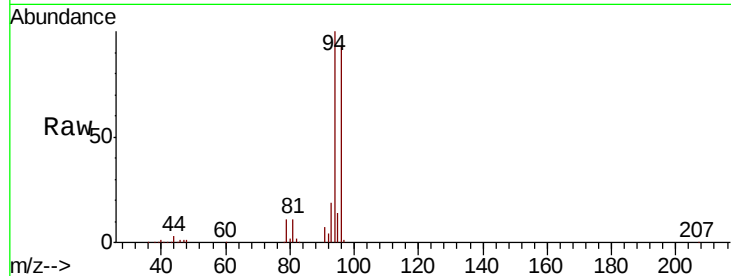




#5
Bromomethane
Concen: 45.988 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

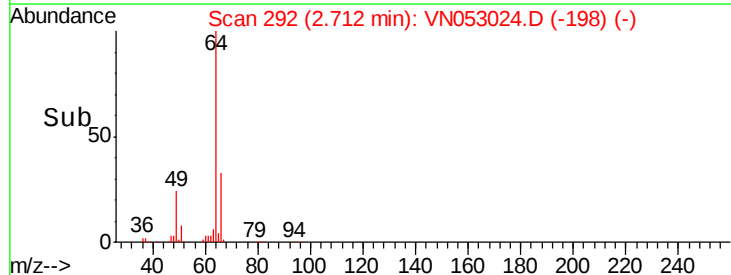
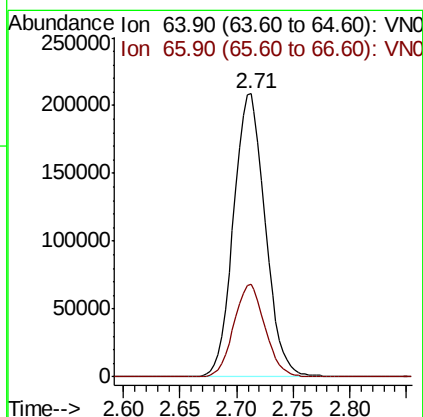
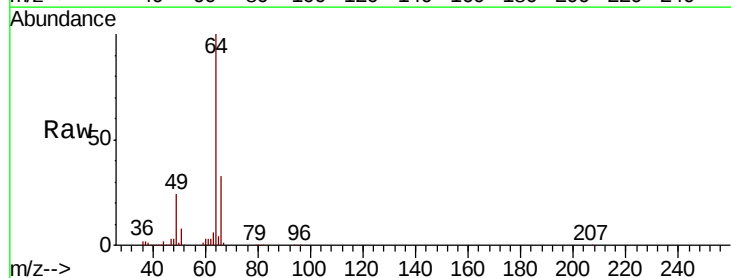
Instrument :
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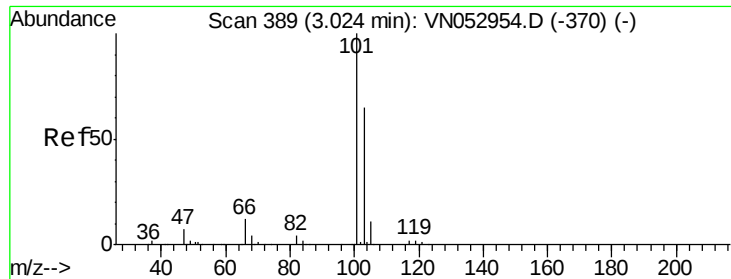
Tot Ion: 94 Resp: 450504
Ion Ratio Lower Upper
94 100
96 92.9 75.0 112.4



#6
Chloroethane
Concen: 48.779 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 64 Resp: 408475
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.2



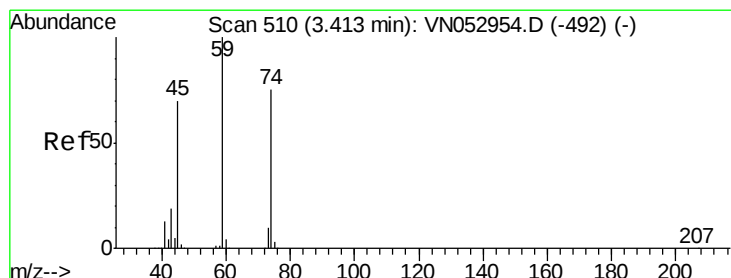
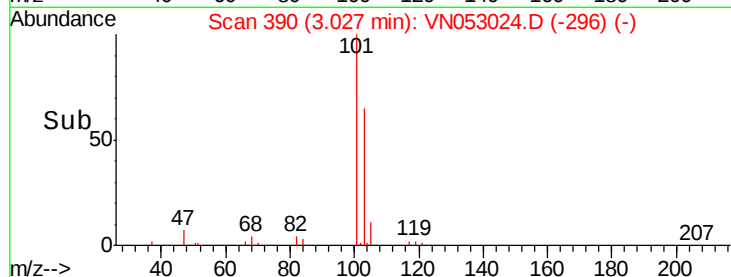
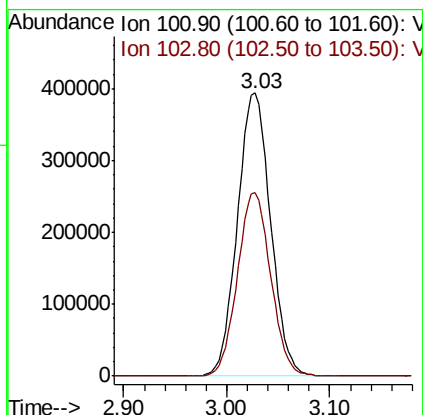
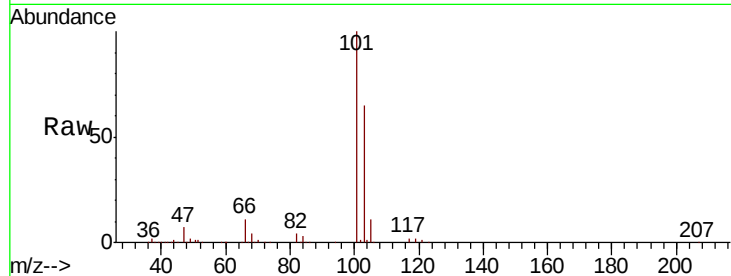


#7

Trichlorofluoromethane
 Concen: 50.099 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampled :

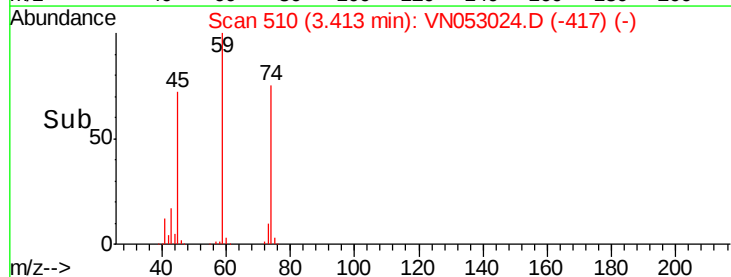
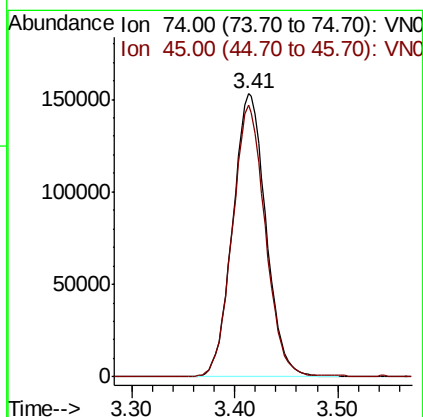
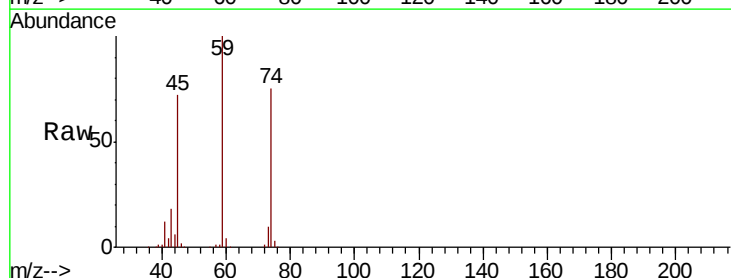
Tot Ion:101 Resp: 882448
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.8 77.6

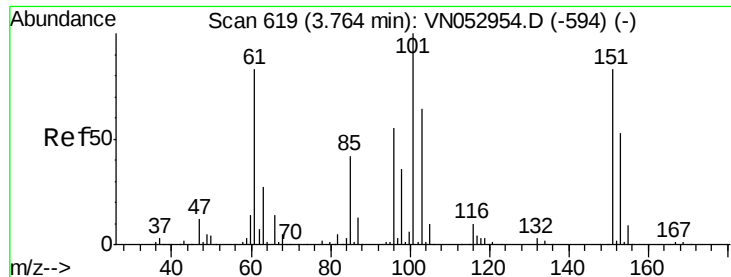


#8

Diethyl Ether
 Concen: 51.618 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion: 74 Resp: 342997
 Ion Ratio Lower Upper
 74 100
 45 94.6 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.926 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampled :

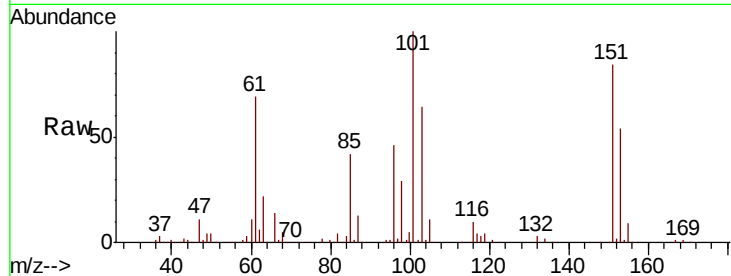
Tot Ion:101 Resp: 560699

Ion Ratio Lower Upper

101 100

85 40.9 33.6 50.4

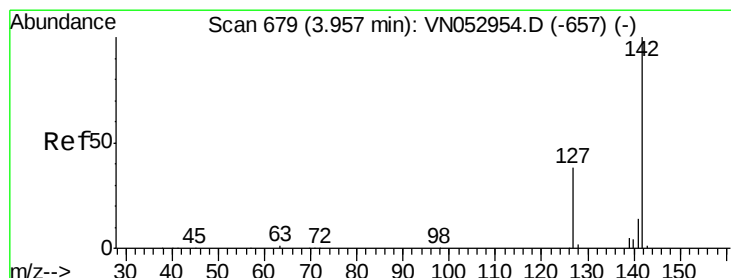
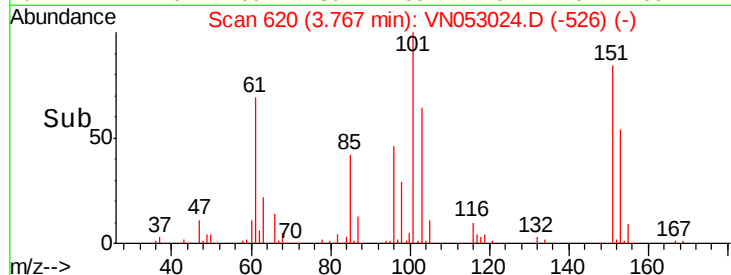
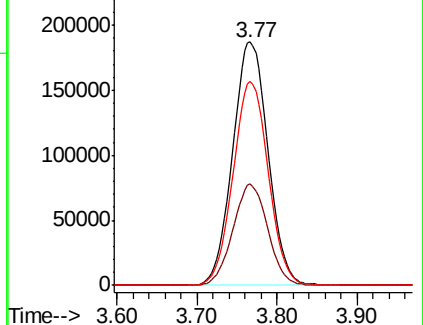
151 83.4 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.319 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

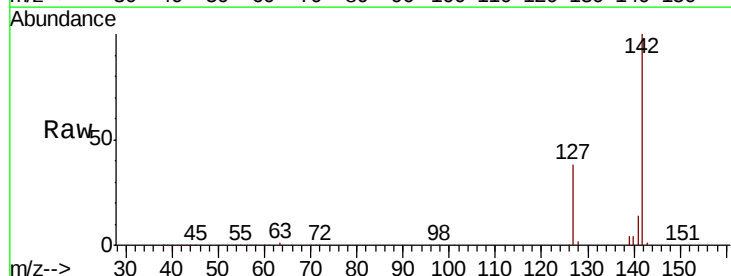
Tgt Ion:142 Resp: 793597

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.6

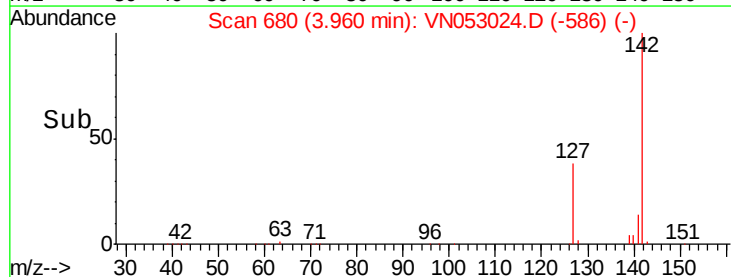
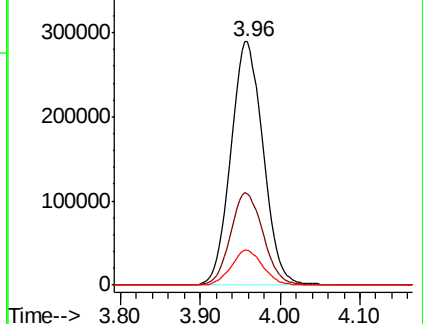
141 14.1 11.2 16.8

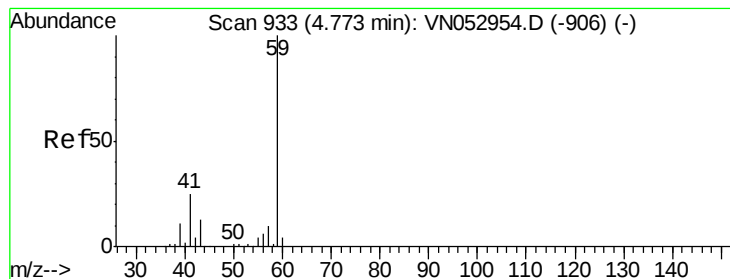


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



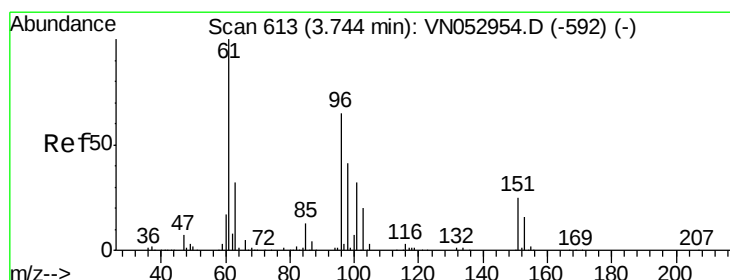
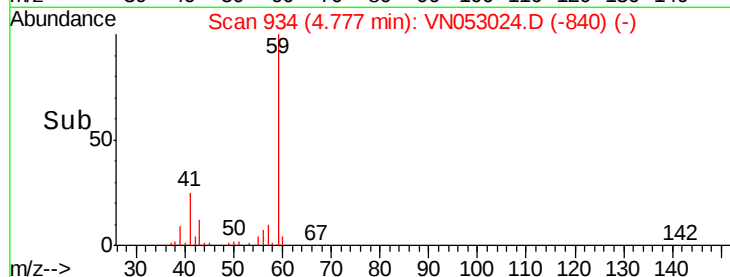
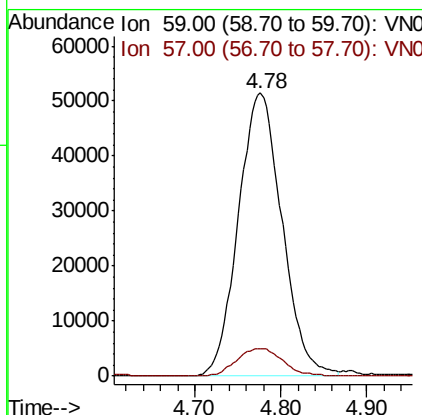
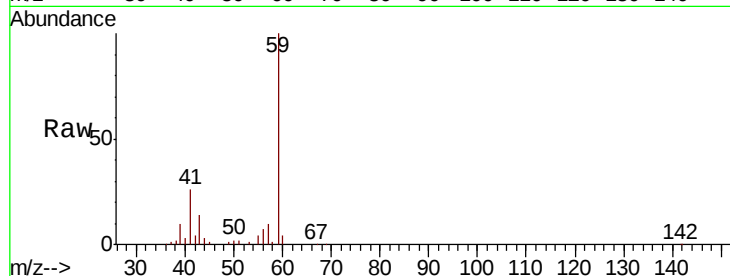


#11

Tert butyl alcohol
Concen: 257.795 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :

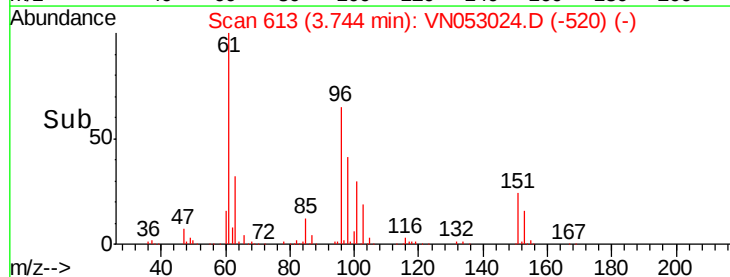
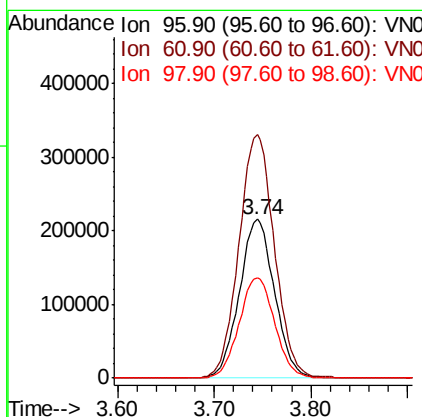
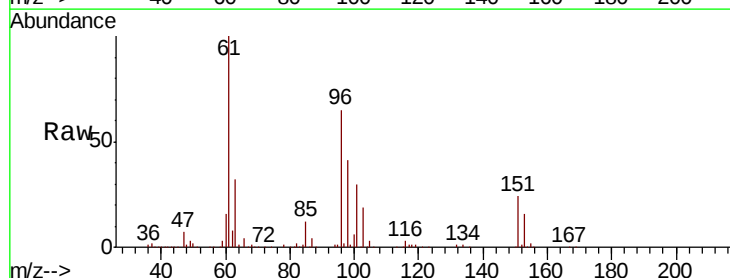
Tot Ion: 59 Resp: 181711
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5

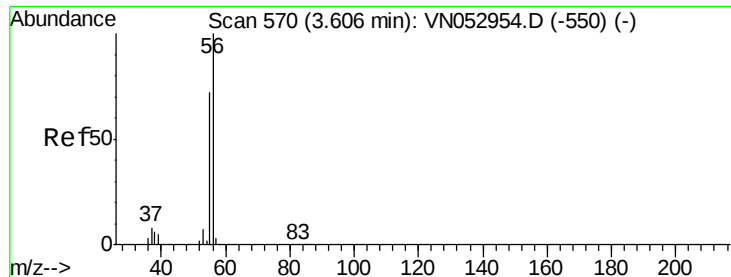


#12

1,1-Dichloroethene
Concen: 50.192 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 96 Resp: 544583
Ion Ratio Lower Upper
96 100
61 153.1 125.6 188.4
98 63.2 50.6 75.8





#13

Acrolein

Concen: 361.886 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

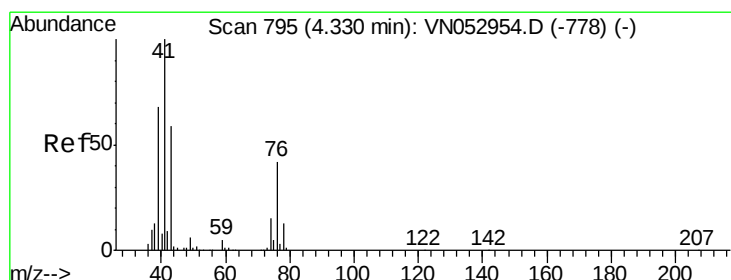
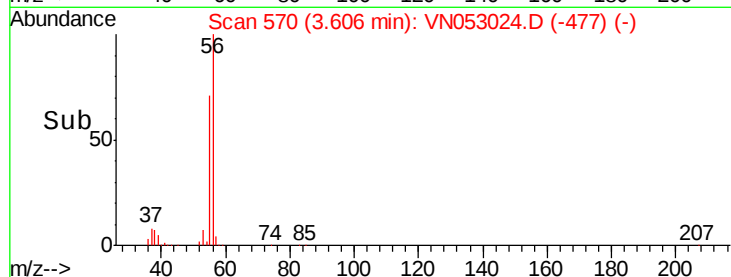
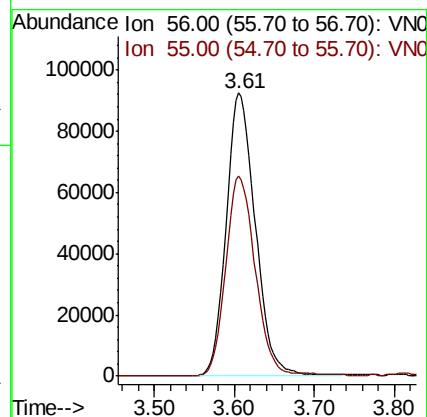
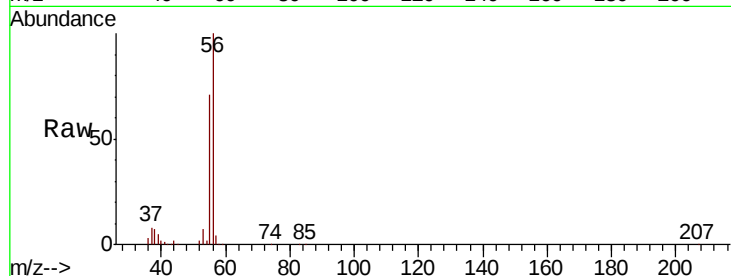
ClientSampled :

Tot Ion: 56 Resp: 231292

Ion Ratio Lower Upper

56 100

55 71.4 56.6 85.0



#14

Allyl chloride

Concen: 50.098 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

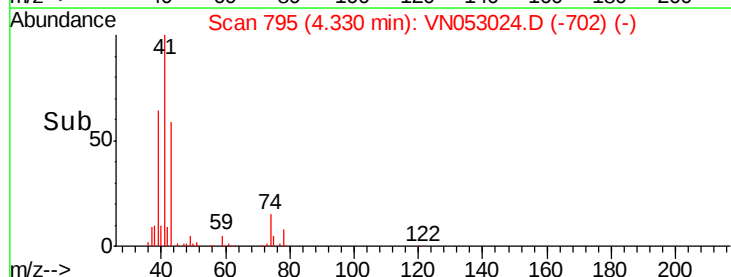
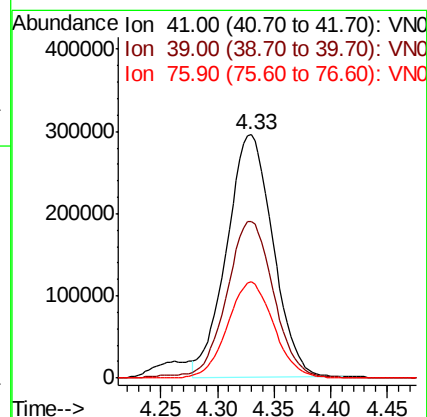
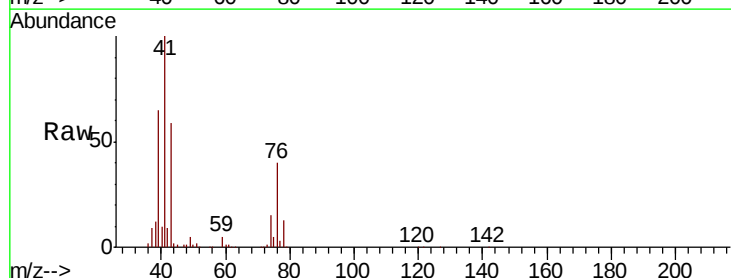
Tgt Ion: 41 Resp: 841960

Ion Ratio Lower Upper

41 100

39 66.2 54.1 81.1

76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 257.414 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

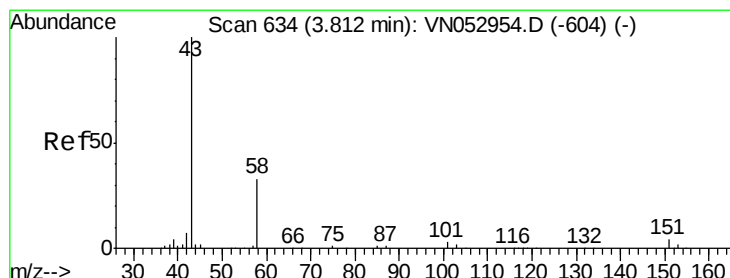
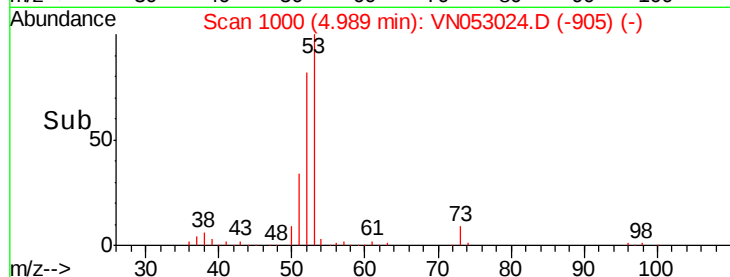
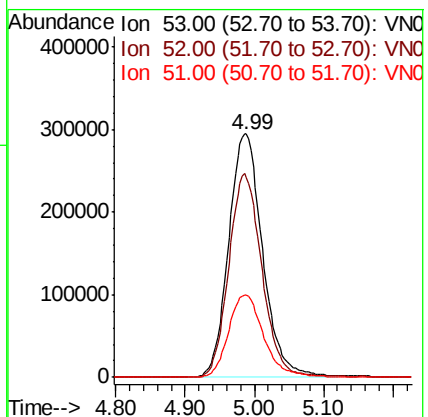
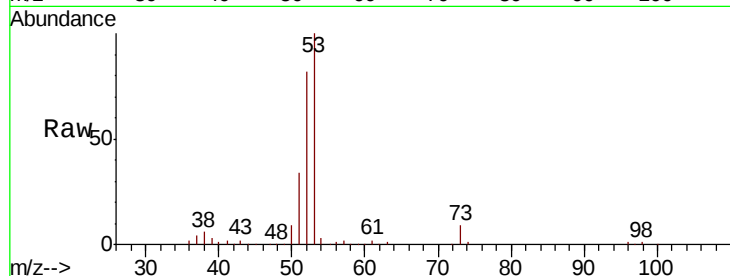
Tot Ion: 53 Resp: 1008003

Ion Ratio Lower Upper

53 100

52 81.7 65.1 97.7

51 35.2 28.1 42.1



#16

Acetone

Concen: 274.507 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053024.D

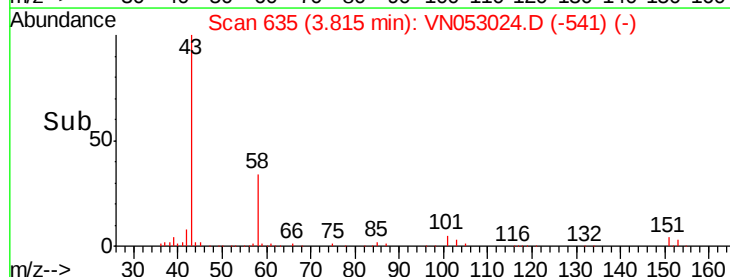
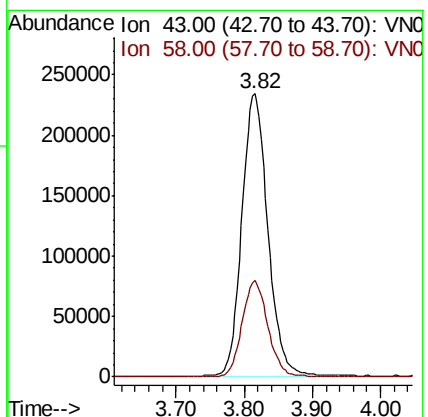
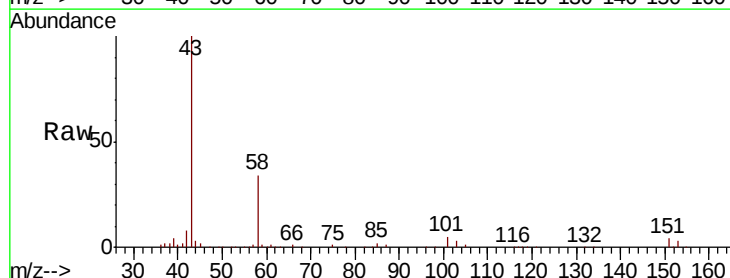
Acq: 19 Dec 2018 21:30

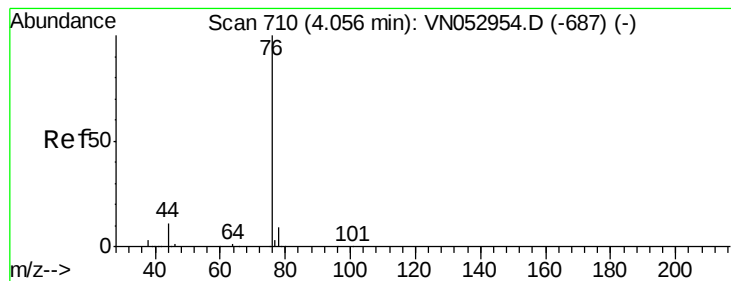
Tgt Ion: 43 Resp: 621760

Ion Ratio Lower Upper

43 100

58 33.9 25.4 38.0





#17

Carbon Disulfide

Concen: 44.061 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

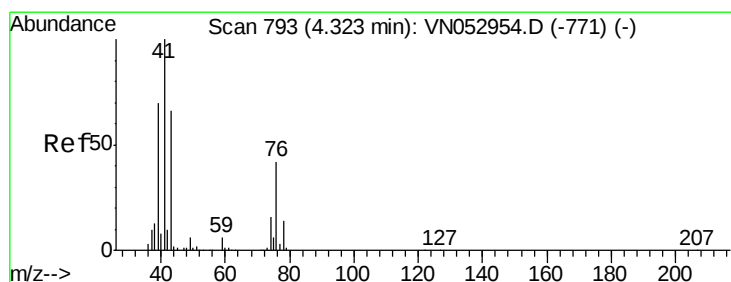
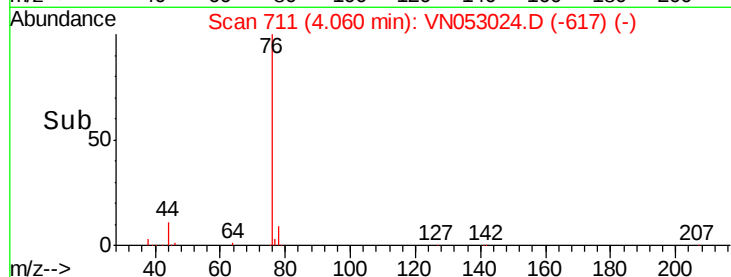
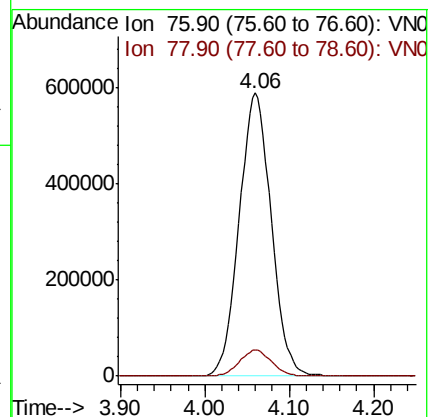
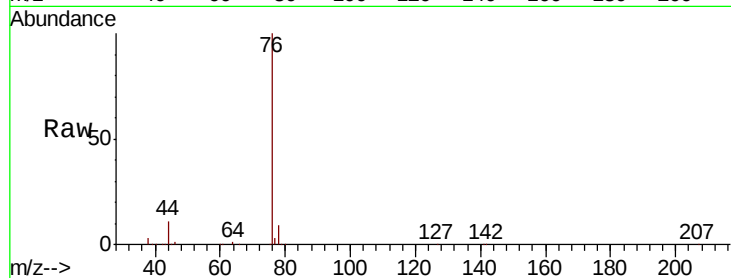
ClientSampleId :

Tot Ion: 76 Resp: 1559072

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



#18

Methyl Acetate

Concen: 50.661 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053024.D

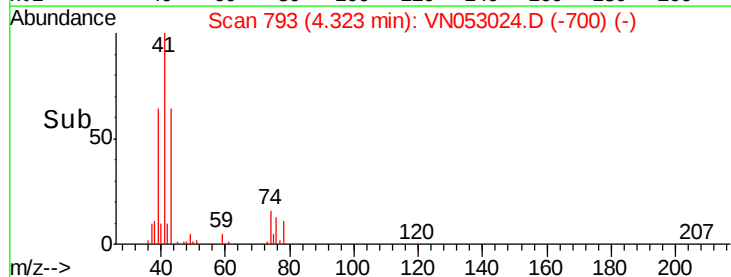
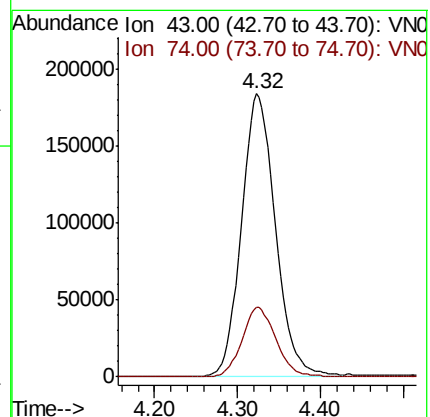
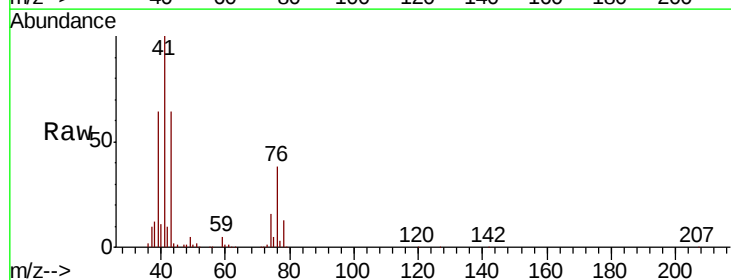
Acq: 19 Dec 2018 21:30

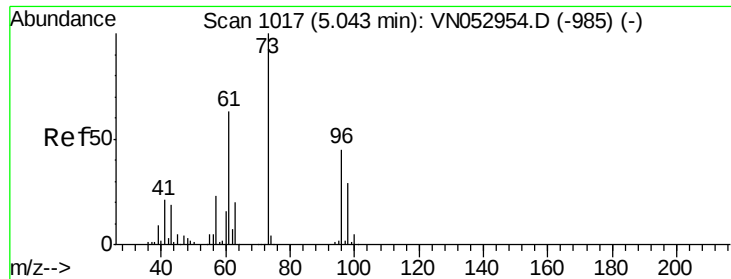
Tgt Ion: 43 Resp: 520946

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8

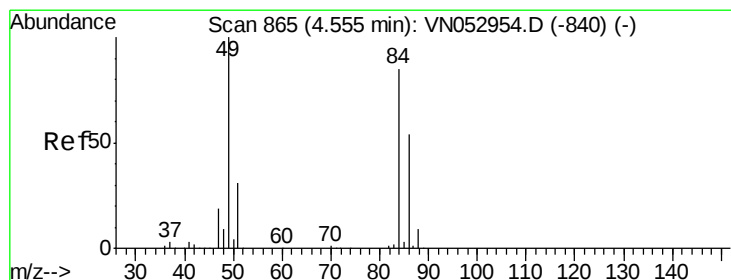
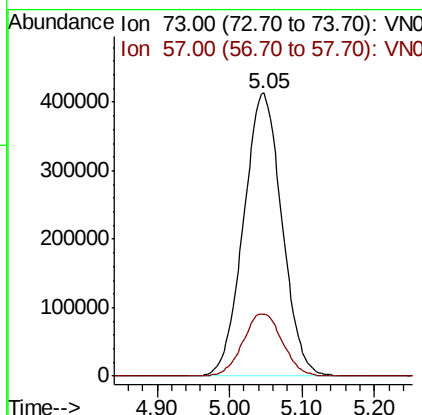
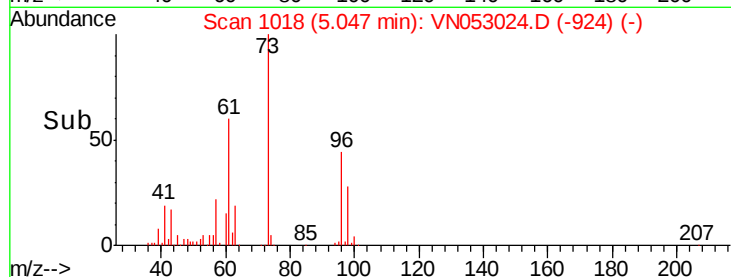
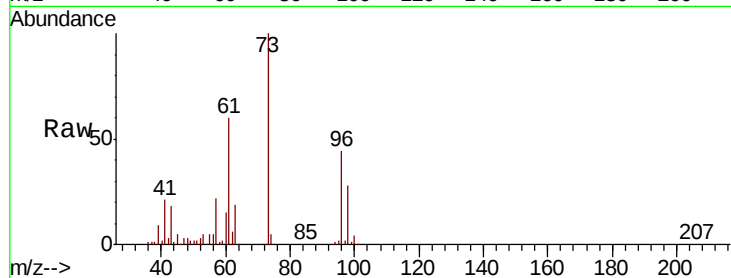




#19
Methyl tert-butyl Ether
Concen: 52.377 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

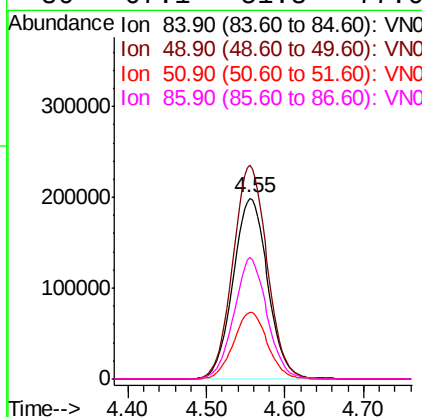
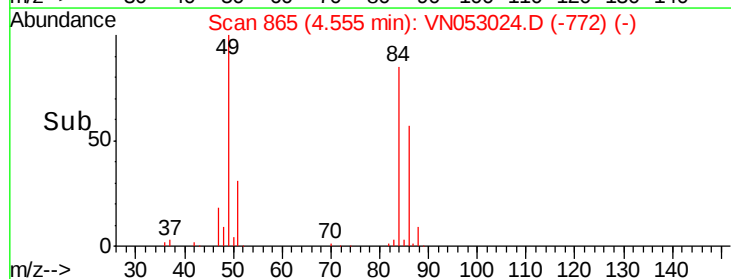
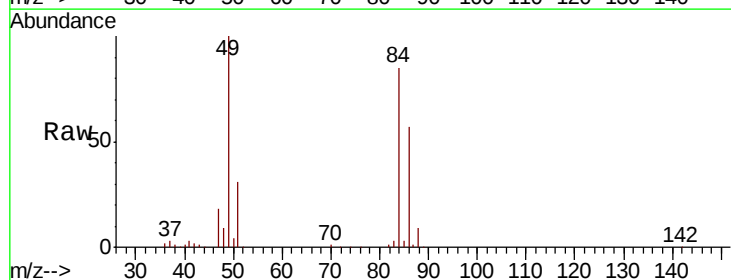
Instrument :
MSVOA_N
ClientSampled :

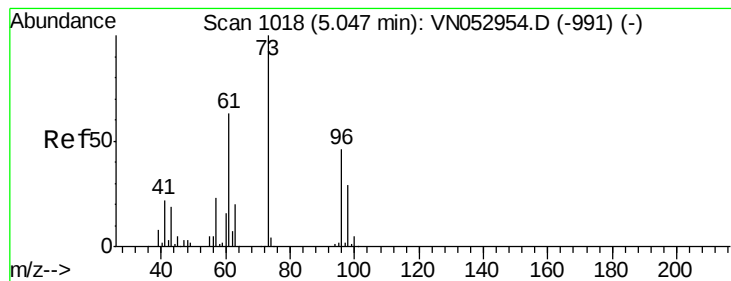
Tot Ion: 73 Resp: 1520775
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6



#20
Methylene Chloride
Concen: 49.563 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 84 Resp: 612367
Ion Ratio Lower Upper
84 100
49 118.1 96.8 145.2
51 36.8 29.9 44.9
86 67.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.501 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :

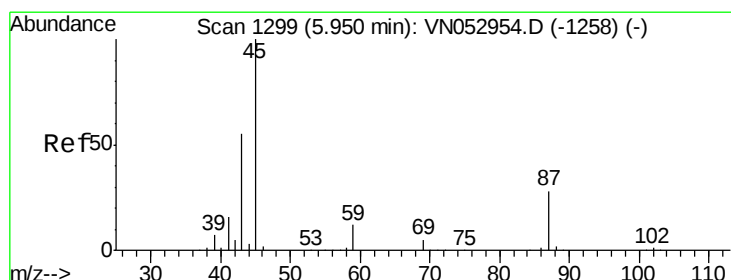
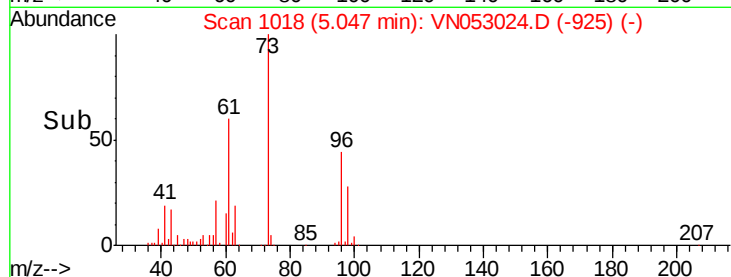
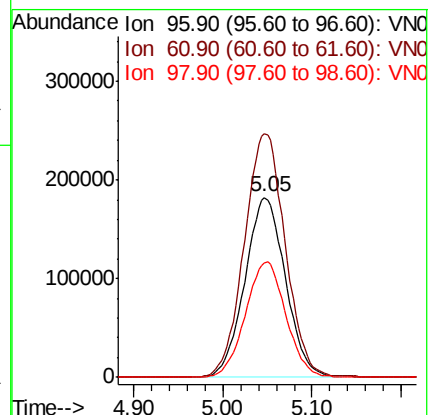
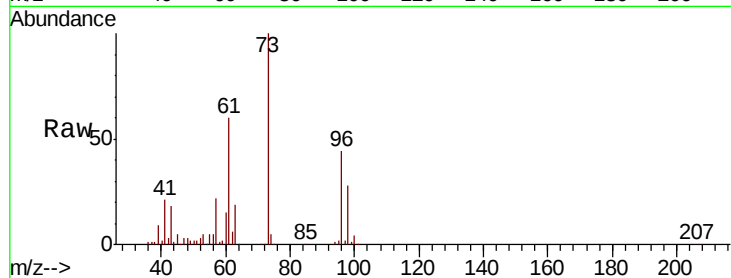
Tot Ion: 96 Resp: 577049

Ion Ratio Lower Upper

96 100

61 135.1 110.8 166.2

98 63.6 51.4 77.2



#22

Diisopropyl ether

Concen: 52.889 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Tgt Ion: 45 Resp: 1897304

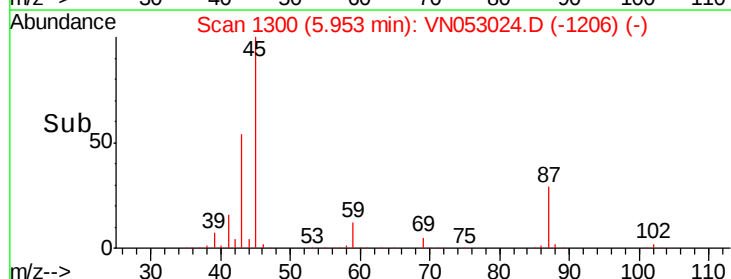
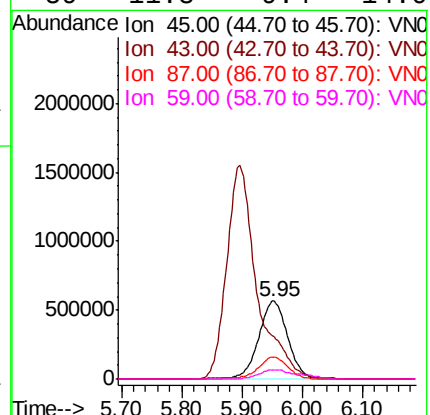
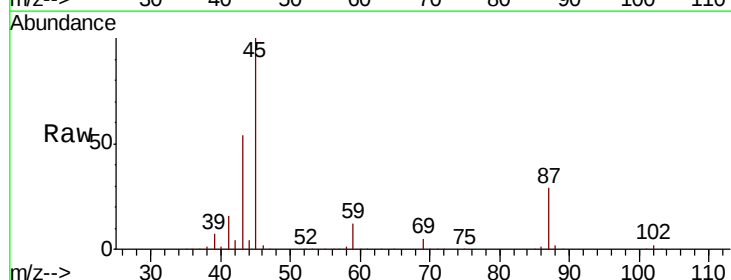
Ion Ratio Lower Upper

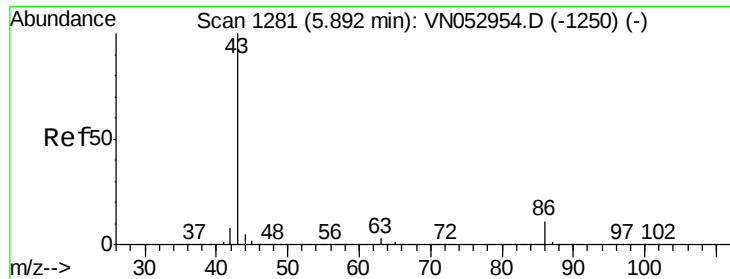
45 100

43 53.7 45.5 68.3

87 28.4 22.0 33.0

59 11.8 9.4 14.0

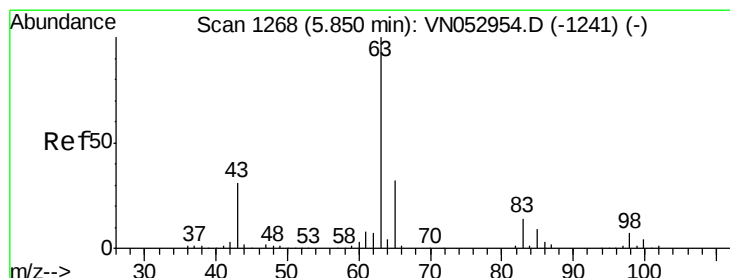
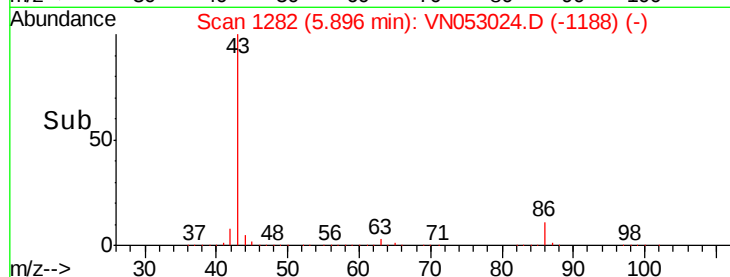
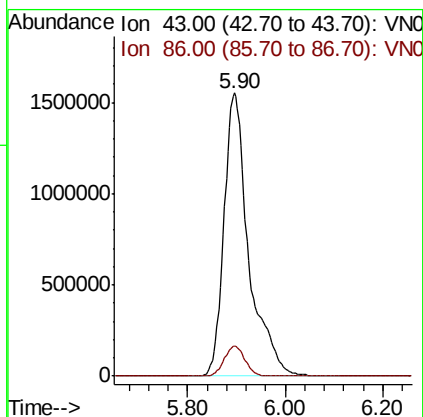
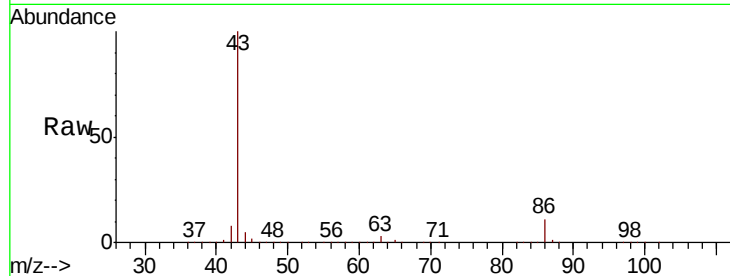




#23
 Vinyl Acetate
 Concen: 263.734 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

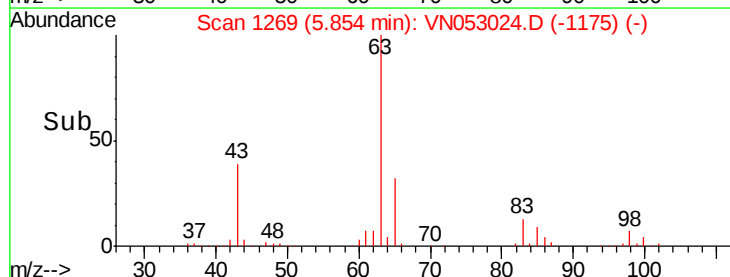
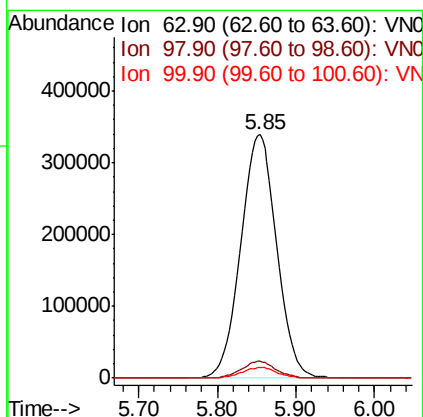
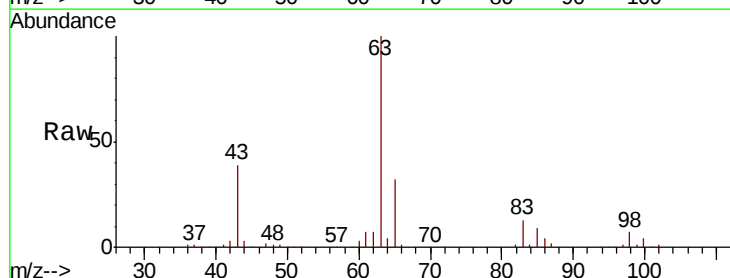
Instrument :
 MSVOA_N
 ClientSampleId :

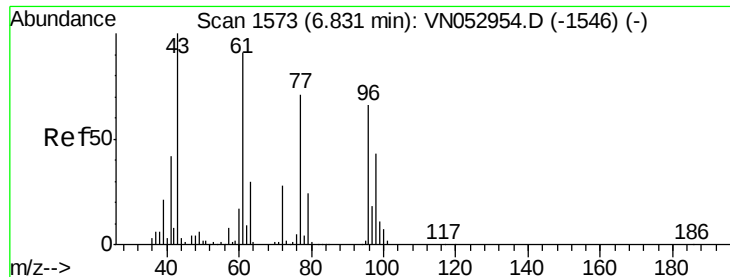
Tot Ion: 43 Resp: 5440352
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 51.174 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion: 63 Resp: 1090868
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.1 9.4
 100 4.2 2.0 5.8





#25

2-Butanone

Concen: 276.285 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

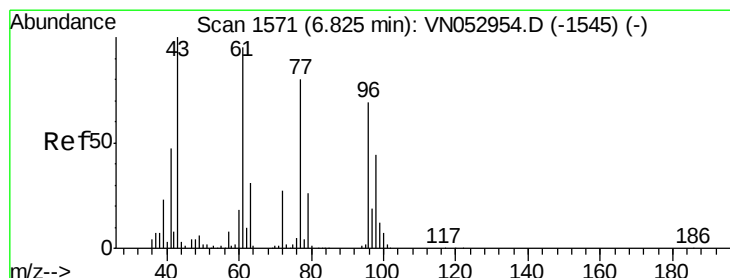
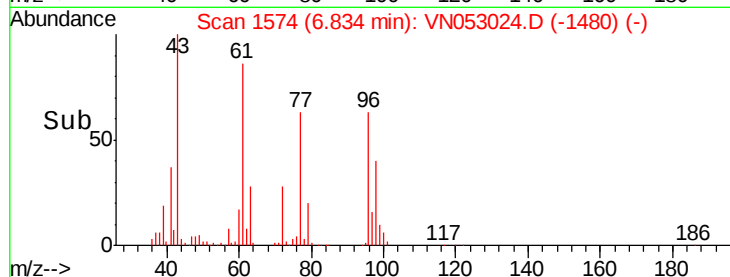
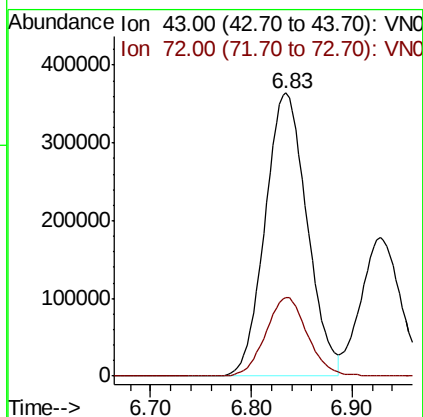
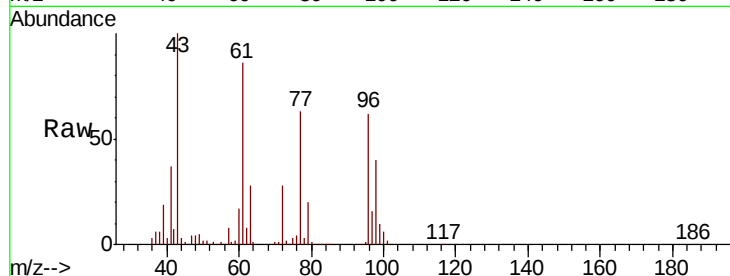
ClientSampled :

Tot Ion: 43 Resp: 1050225

Ion Ratio Lower Upper

43 100

72 27.7 21.0 31.6



#26

2,2-Dichloropropane

Concen: 46.876 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053024.D

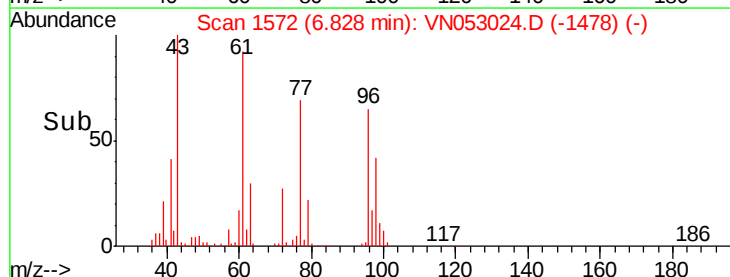
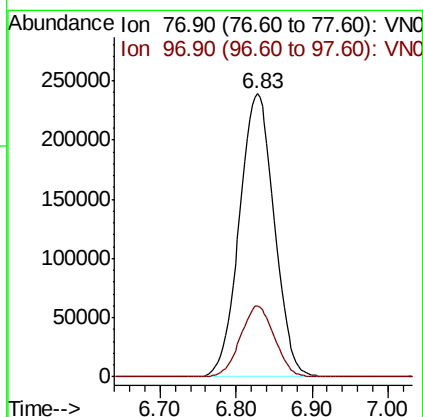
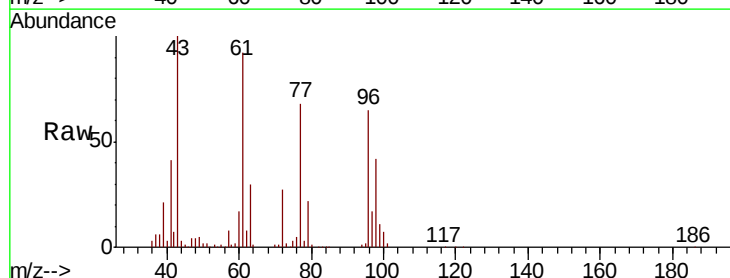
Acq: 19 Dec 2018 21:30

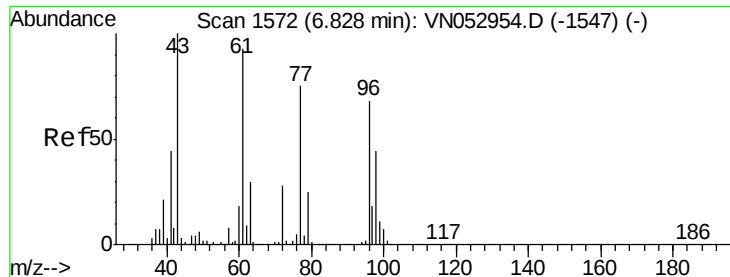
Tgt Ion: 77 Resp: 762800

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.641 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampled :

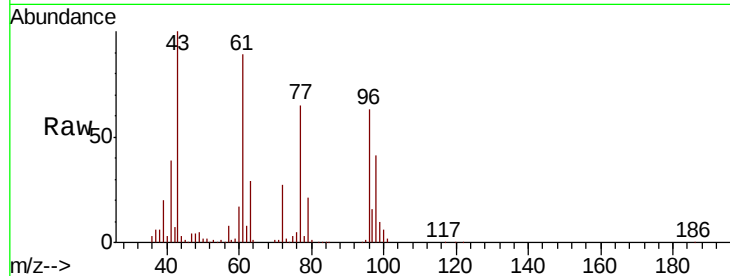
Tot Ion: 96 Resp: 668333

Ion Ratio Lower Upper

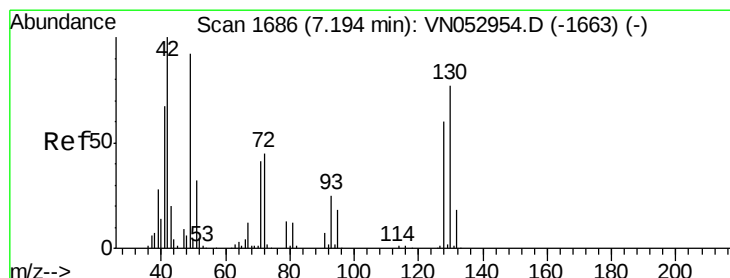
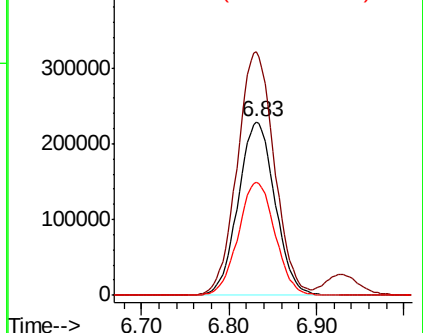
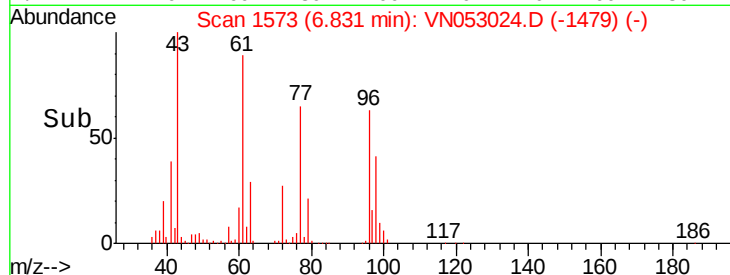
96 100

61 141.5 0.0 284.2

98 65.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 52.072 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

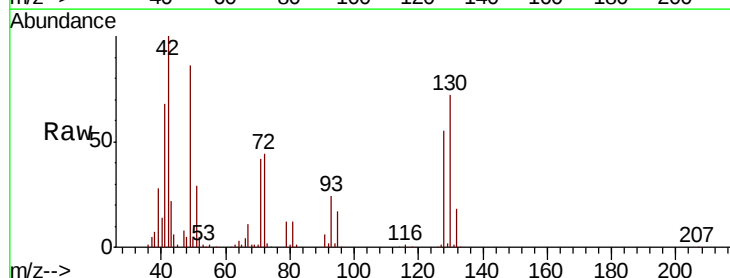
Tgt Ion: 49 Resp: 480986

Ion Ratio Lower Upper

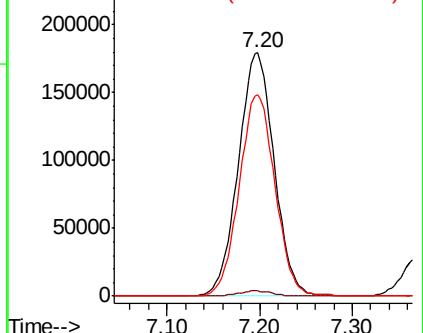
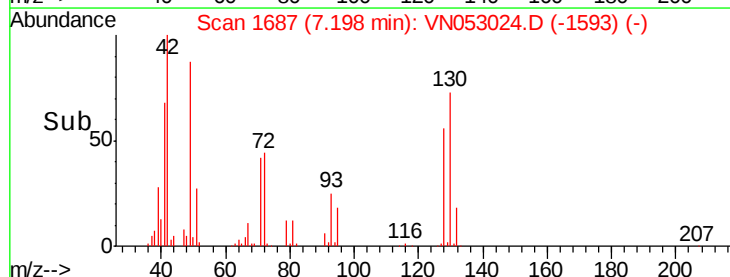
49 100

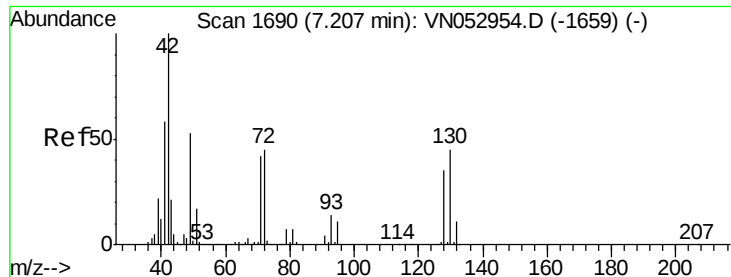
129 2.0 0.0 4.0

130 82.9 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

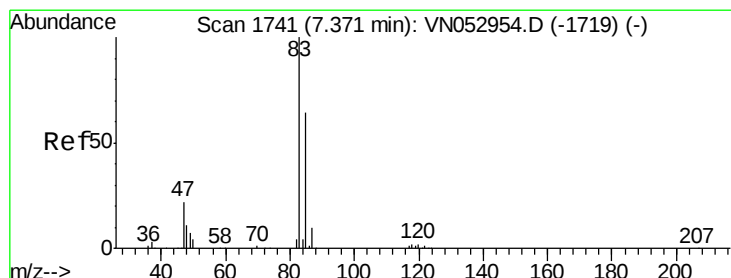
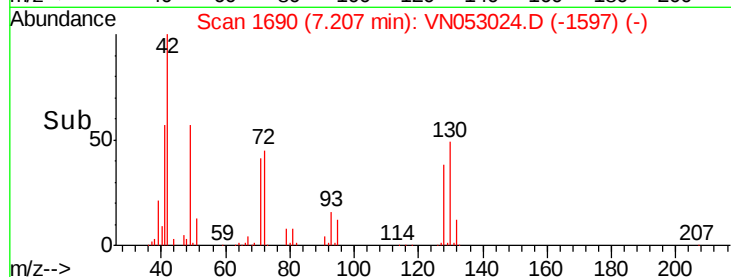
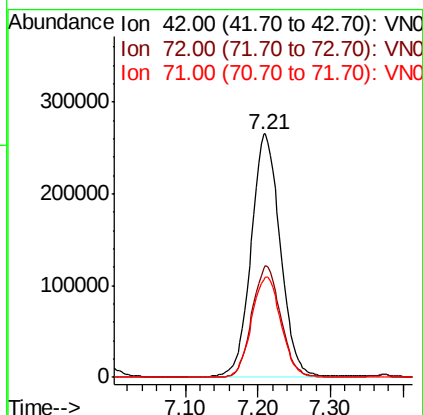
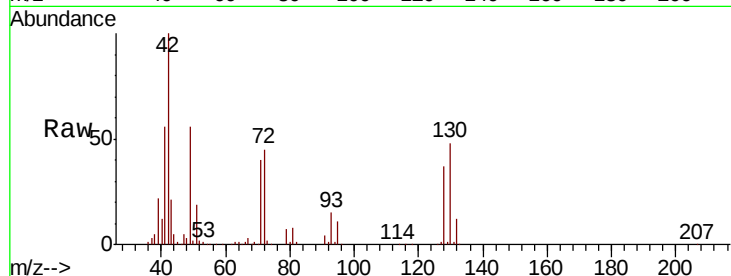




#29
Tetrahydrofuran
Concen: 262.117 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

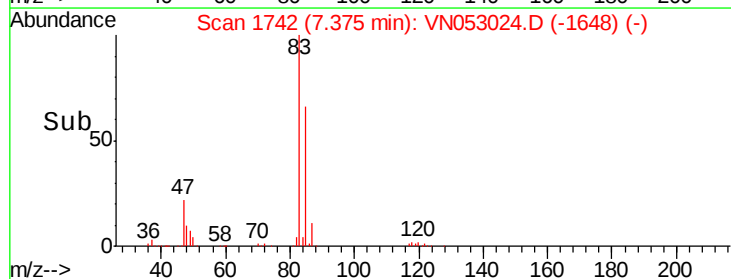
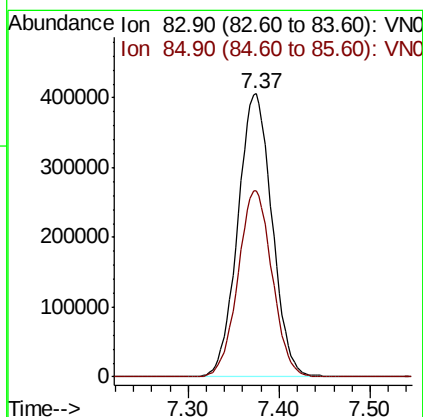
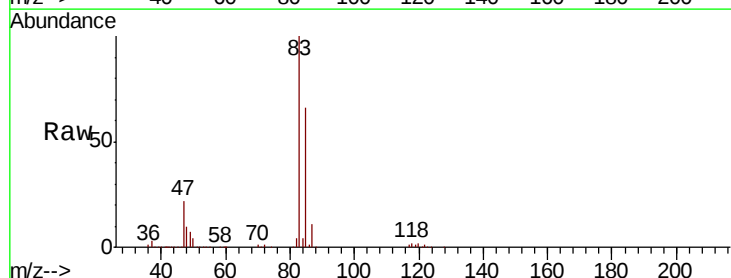
Instrument :
MSVOA_N
ClientSampled :

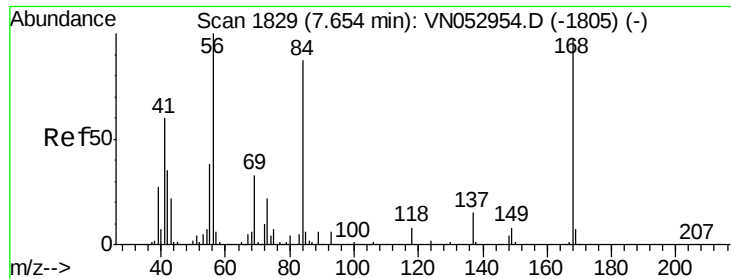
Tot Ion: 42 Resp: 744157
Ion Ratio Lower Upper
42 100
72 45.2 34.7 52.1
71 41.7 32.3 48.5



#30
Chloroform
Concen: 50.629 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 83 Resp: 1060200
Ion Ratio Lower Upper
83 100
85 65.9 52.1 78.1

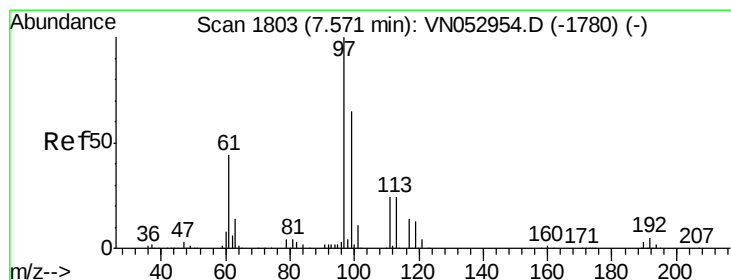
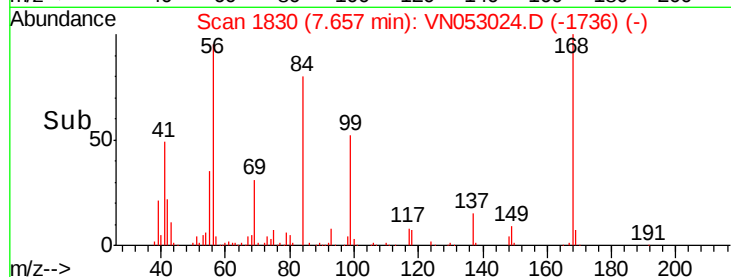
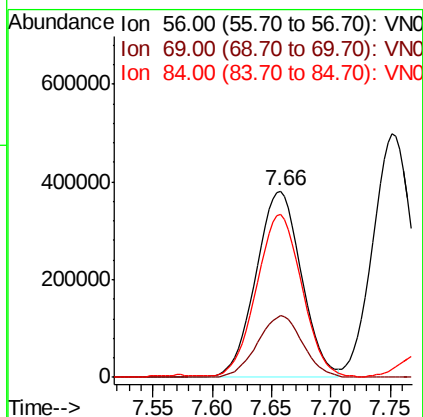
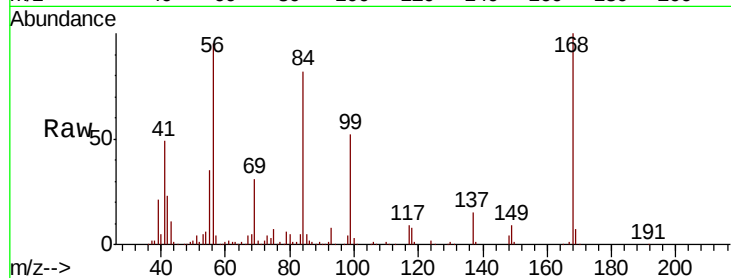




#31
Cyclohexane
Concen: 50.601 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

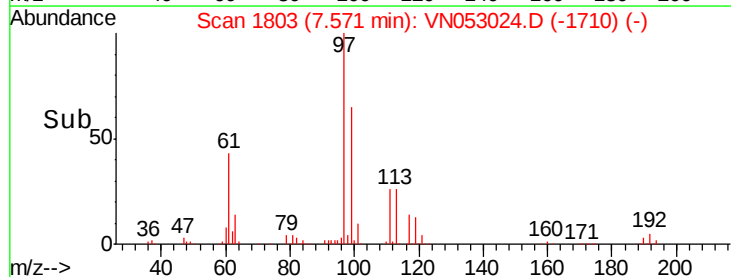
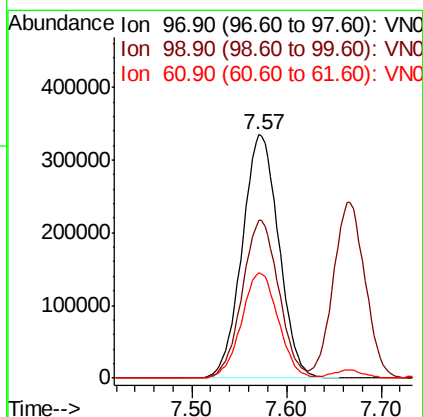
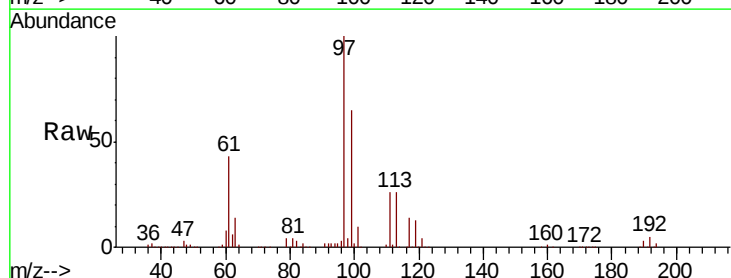
Instrument :
MSVOA_N
ClientSampled :

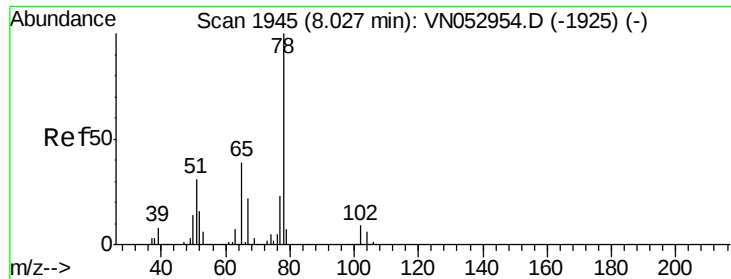
Tot Ion: 56 Resp: 1011400
Ion Ratio Lower Upper
56 100
69 32.9 26.6 39.8
84 86.0 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 50.482 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 97 Resp: 900535
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 43.4 35.0 52.6

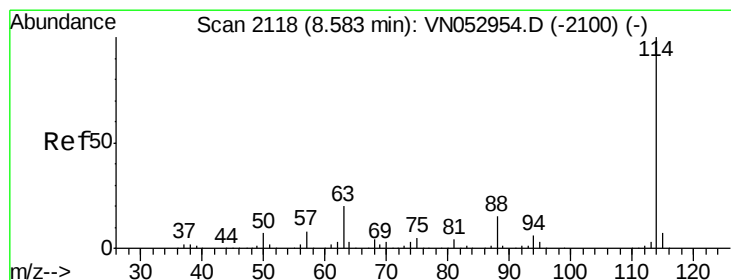
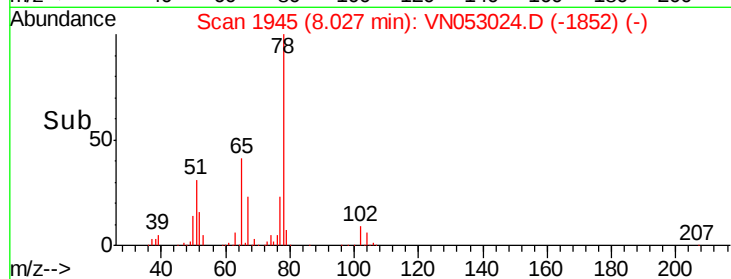
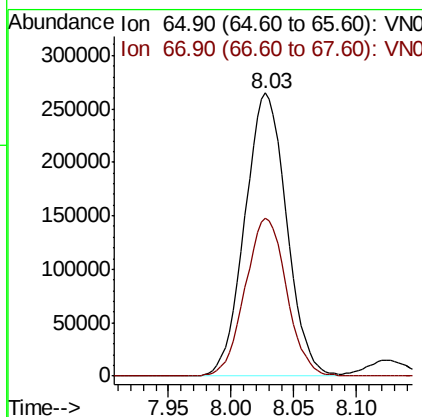
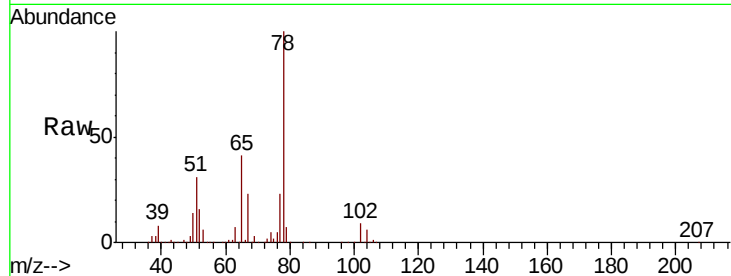




#33
 1,2-Dichloroethane-d4
 Concen: 50.482 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

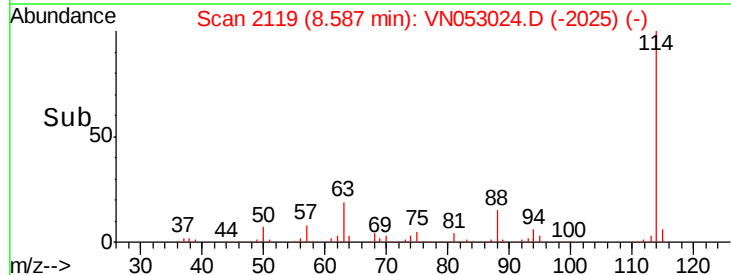
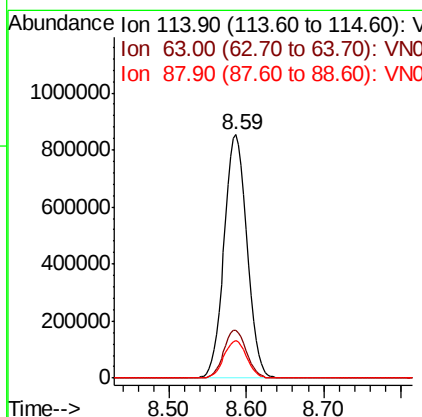
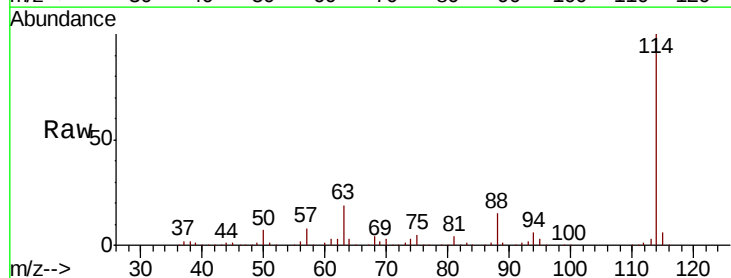
Instrument :
 MSVOA_N
 ClientSampleId :

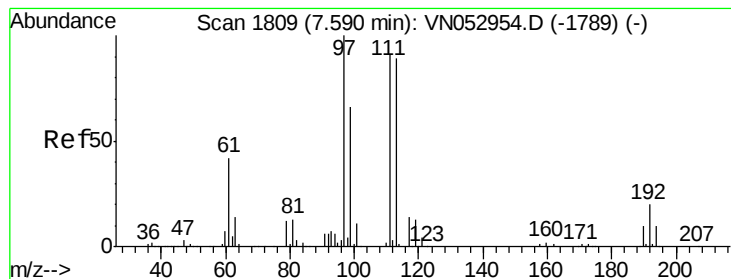
Tot Ion: 65 Resp: 612714
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion: 114 Resp: 1748951
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampled :

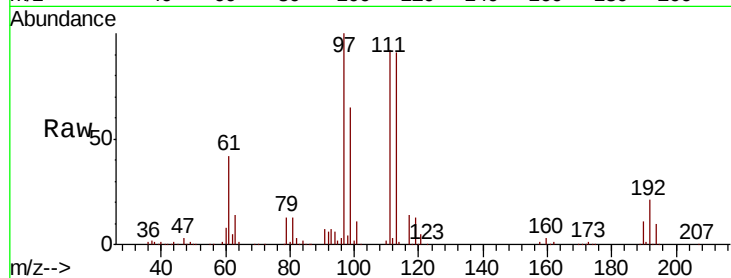
Tot Ion:113 Resp: 476272

Ion Ratio Lower Upper

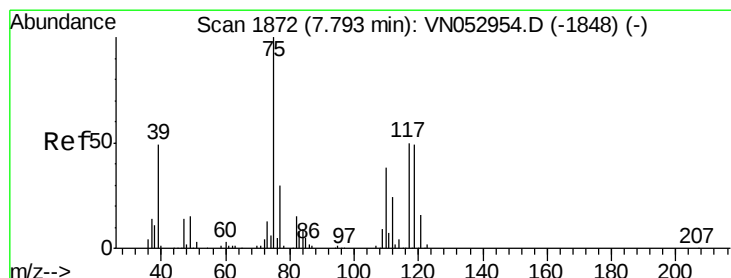
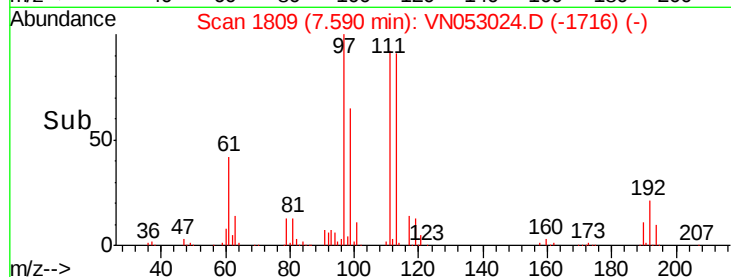
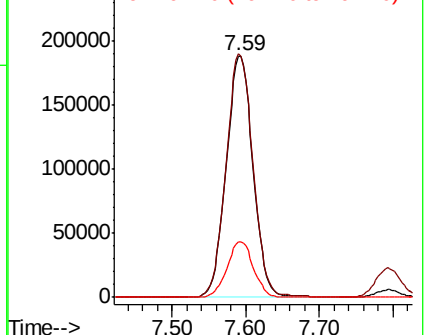
113 100

111 101.7 83.0 124.4

192 22.7 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.669 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

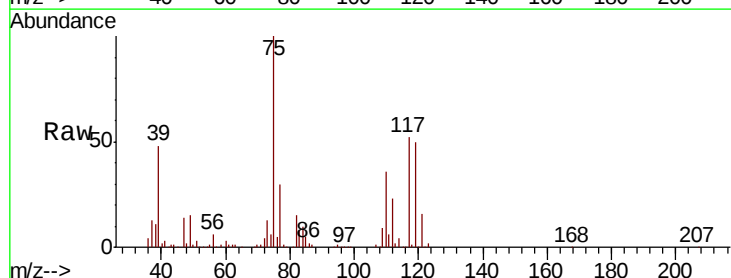
Tgt Ion: 75 Resp: 833783

Ion Ratio Lower Upper

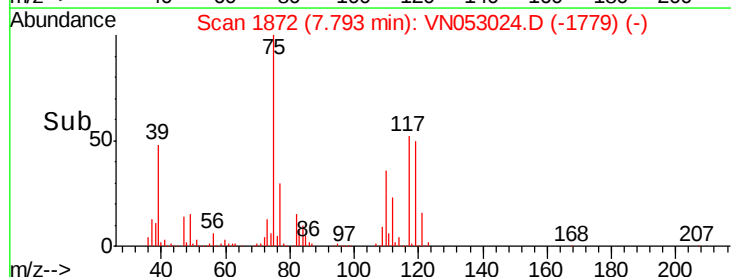
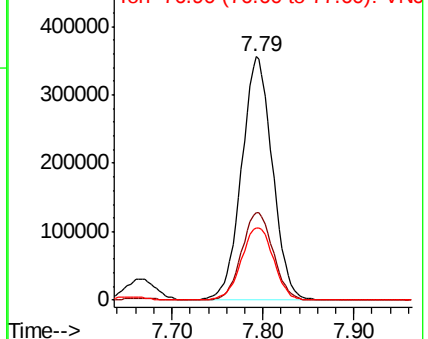
75 100

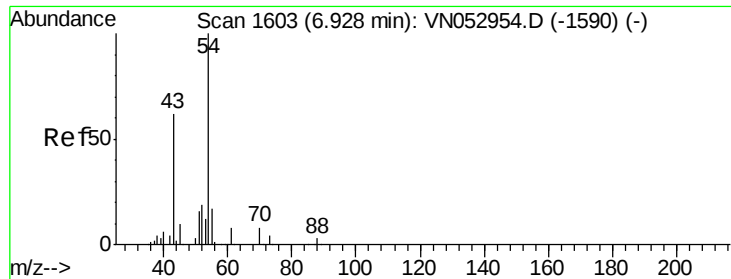
110 36.9 18.2 54.6

77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

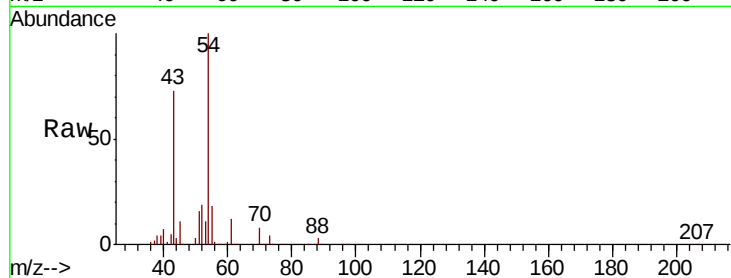




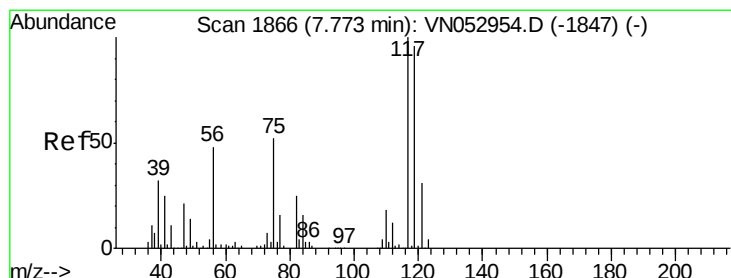
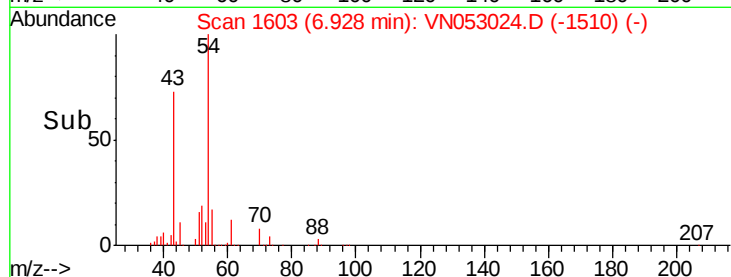
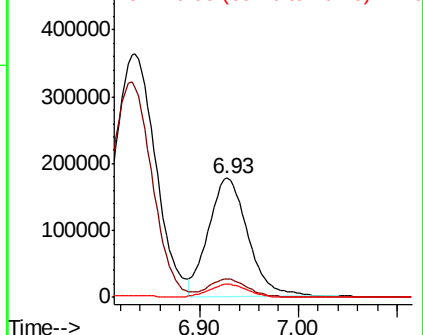
#37
Ethyl Acetate
Concen: 53.006 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 496734
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 10.9 8.4 12.6

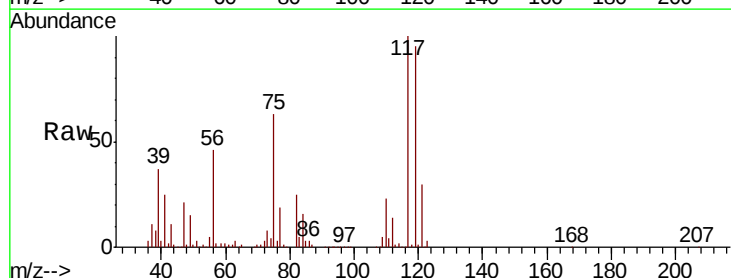


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

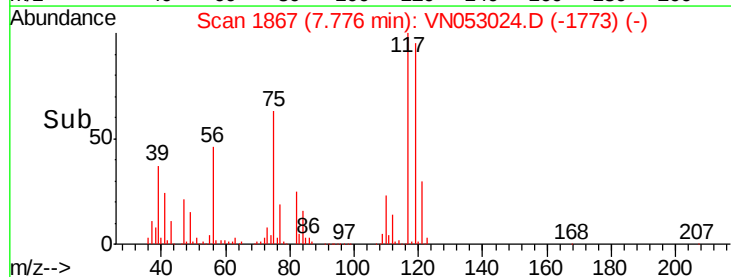
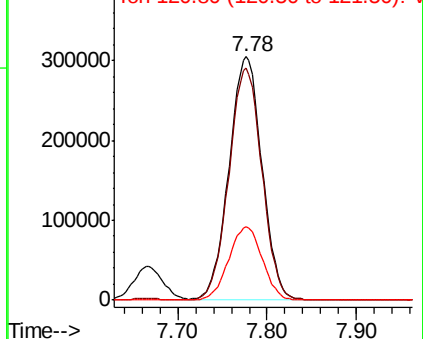


#38
Carbon Tetrachloride
Concen: 50.504 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 117 Resp: 777085
Ion Ratio Lower Upper
117 100
119 95.1 77.1 115.7
121 30.3 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

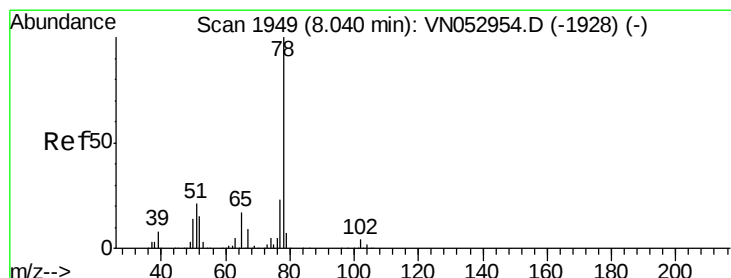
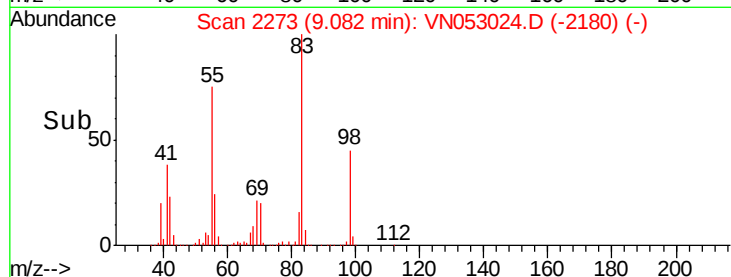
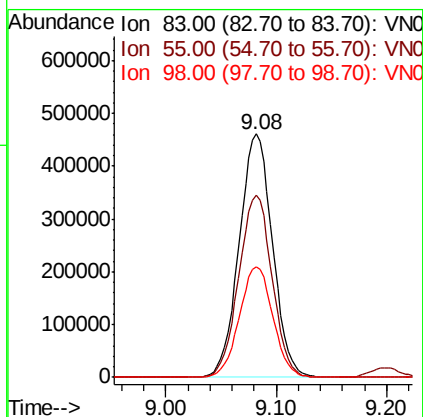
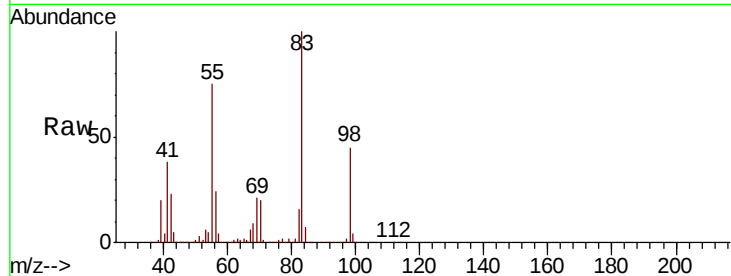




#39
Methvlcvclohexane
Concen: 47.238 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

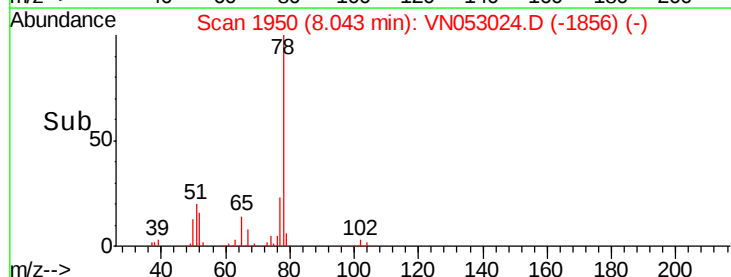
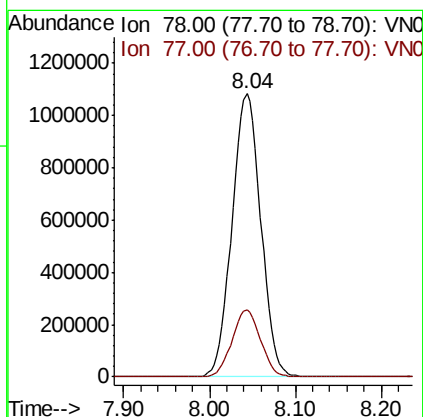
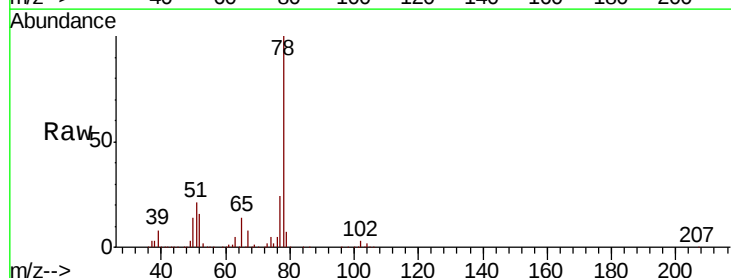
Instrument :
MSVOA_N
ClientSampled :

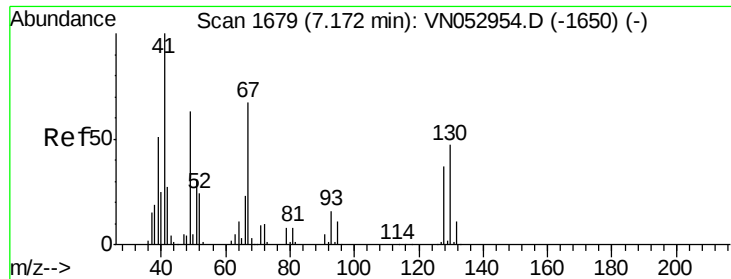
Tot Ion: 83 Resp: 963313
Ion Ratio Lower Upper
83 100
55 74.6 61.3 91.9
98 45.4 37.0 55.4



#40
Benzene
Concen: 50.484 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 78 Resp: 2520800
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7

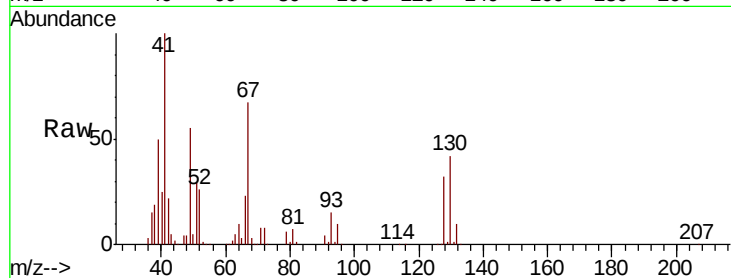




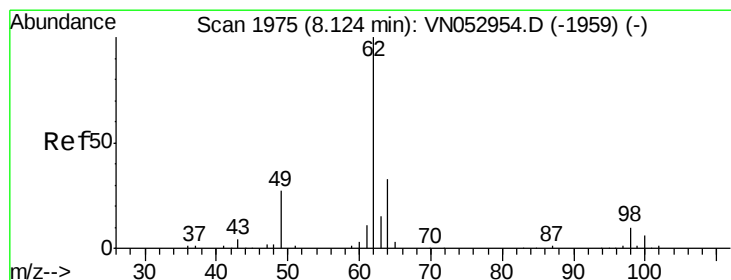
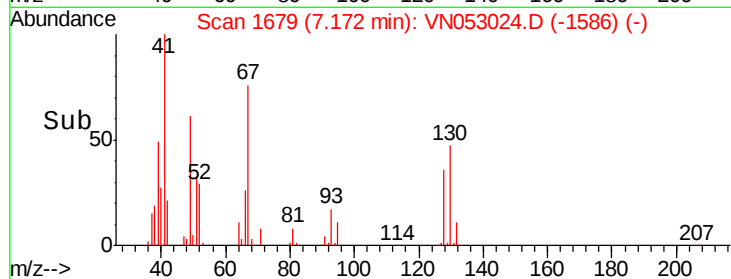
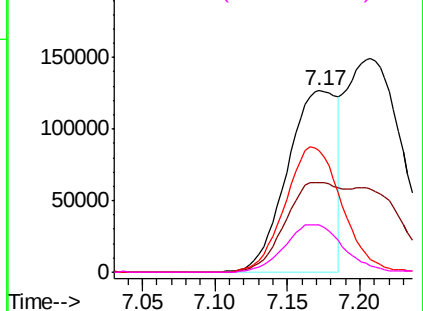
#41
Methacrylonitrile
Concen: 55.608 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 301096
Ion Ratio Lower Upper
41 100
39 57.8 48.0 72.0
67 79.1 70.3 105.5
52 30.7 26.9 40.3

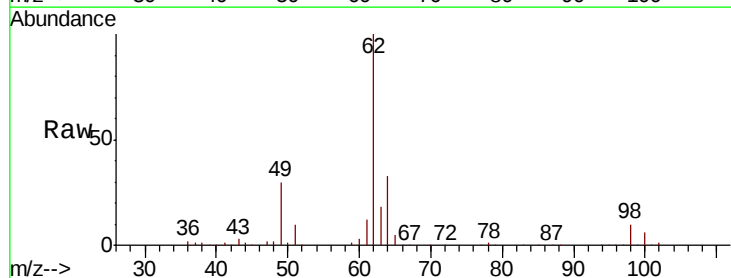


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

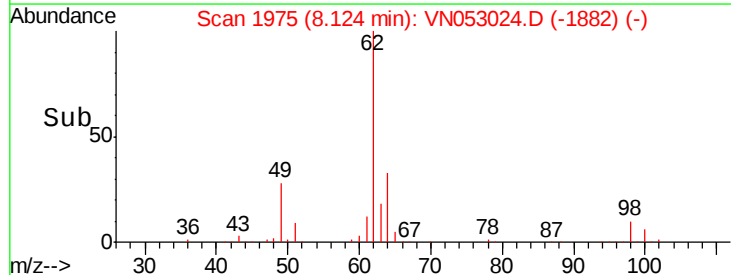
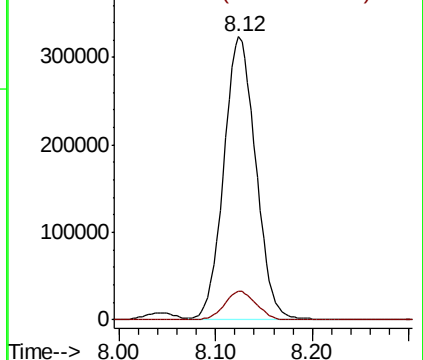


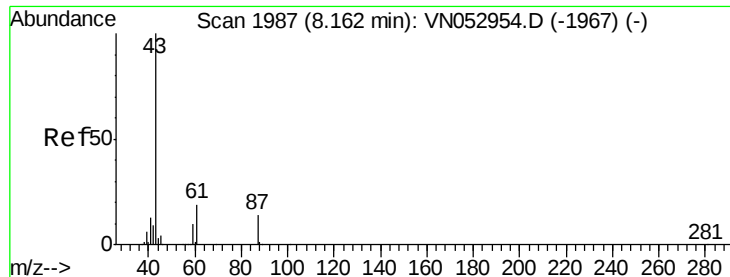
#42
1,2-Dichloroethane
Concen: 50.218 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 62 Resp: 740766
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 51.528 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampled :

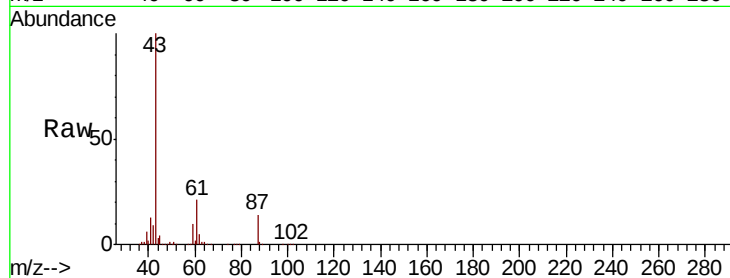
Tot Ion: 43 Resp: 933886

Ion Ratio Lower Upper

43 100

61 29.8 22.9 34.3

87 14.0 10.6 15.8

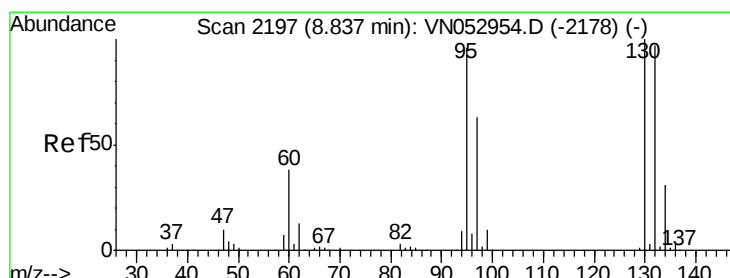
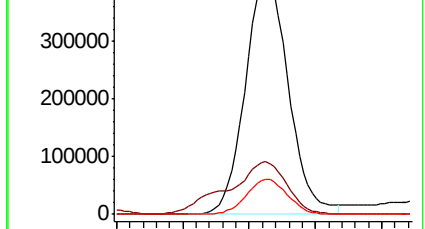
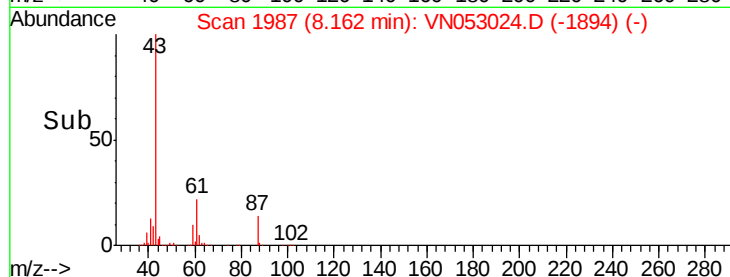


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 48.979 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053024.D

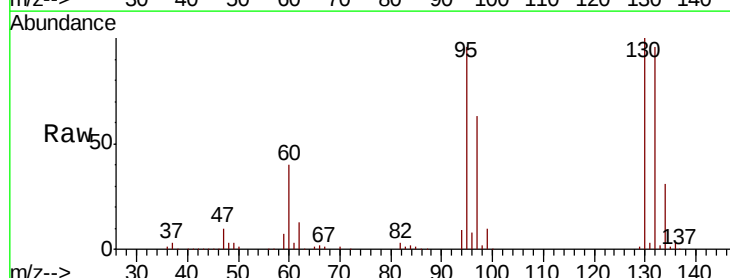
Acq: 19 Dec 2018 21:30

Tgt Ion: 130 Resp: 707369

Ion Ratio Lower Upper

130 100

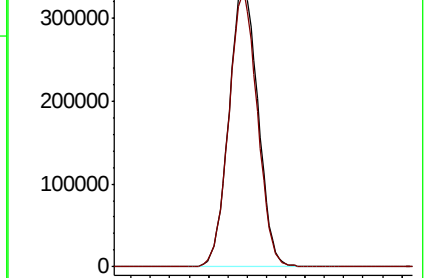
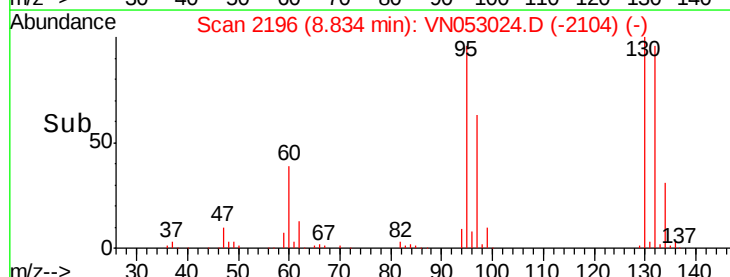
95 96.0 0.0 197.8

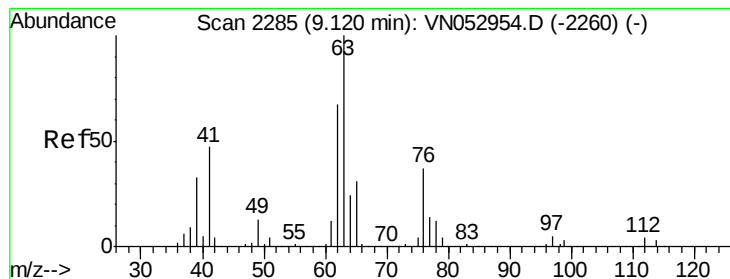


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time--> 8.80 8.90





#45

1,2-Dichloropropane

Concen: 51.582 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

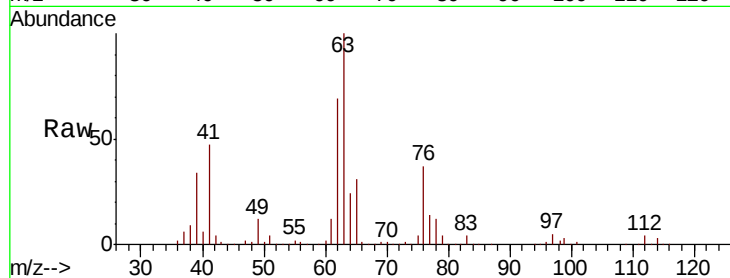
ClientSampleId :

Tot Ion: 63 Resp: 670871

Ion Ratio Lower Upper

63 100

65 31.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN053024.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053024.D (-2192) (-)

9.12

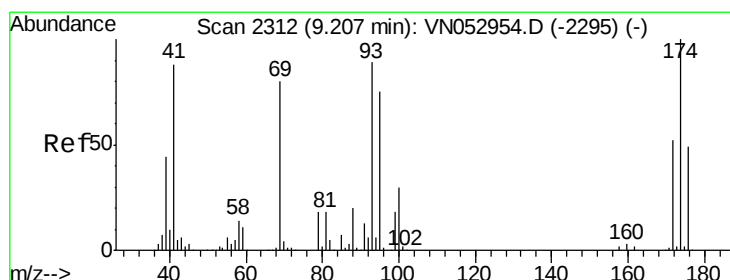
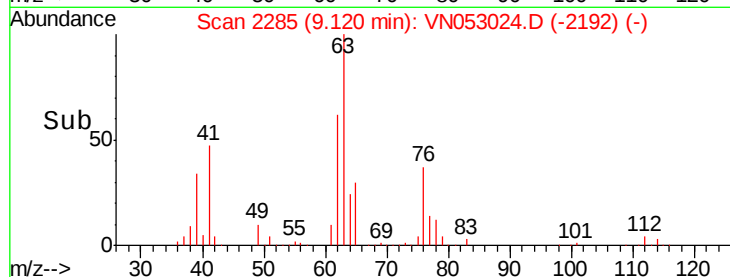
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 49.591 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

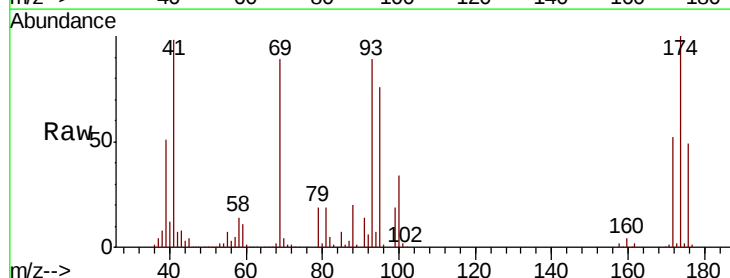
Tgt Ion: 93 Resp: 375725

Ion Ratio Lower Upper

93 100

95 85.3 67.8 101.6

174 115.0 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN053024.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN053024.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN053024.D (-2219) (-)

9.21

250000

200000

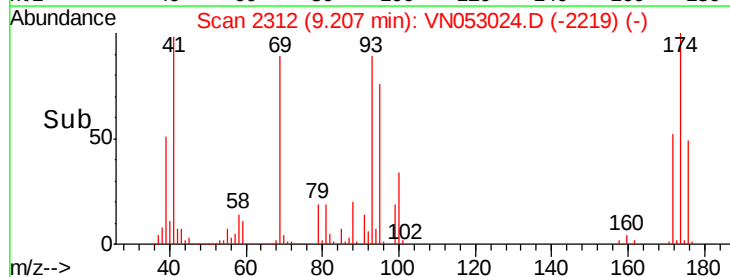
150000

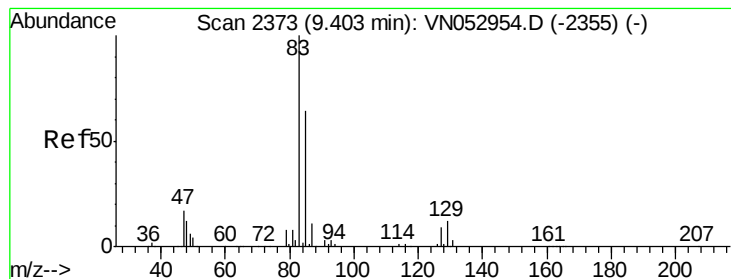
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 50.676 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampled :

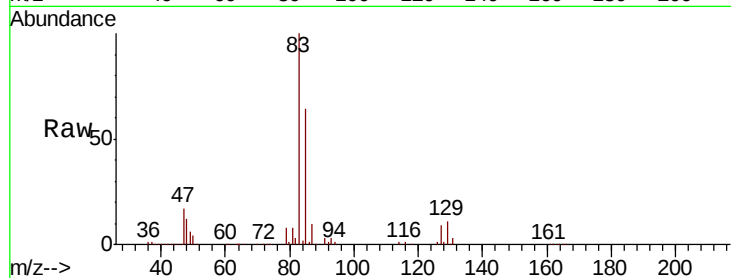
Tot Ion: 83 Resp: 816139

Ion Ratio Lower Upper

83 100

85 63.6 51.6 77.4

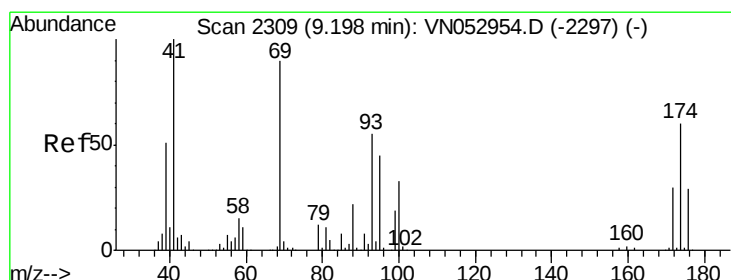
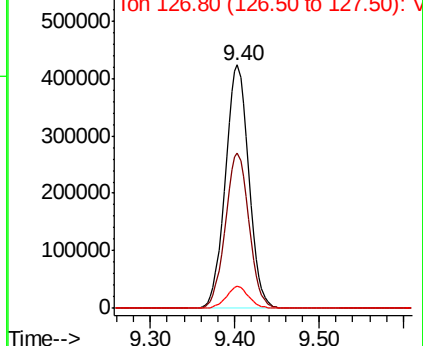
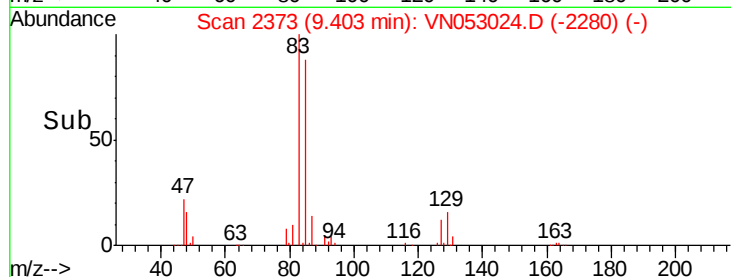
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053024.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053024.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053024.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.542 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

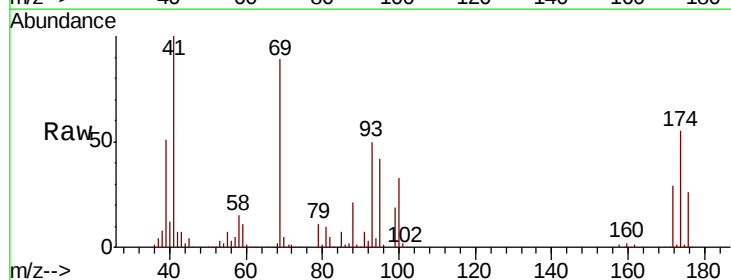
Tgt Ion: 41 Resp: 468702

Ion Ratio Lower Upper

41 100

69 92.1 72.2 108.2

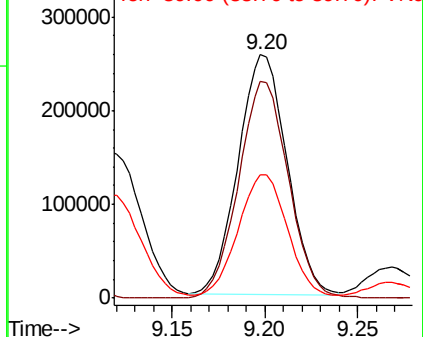
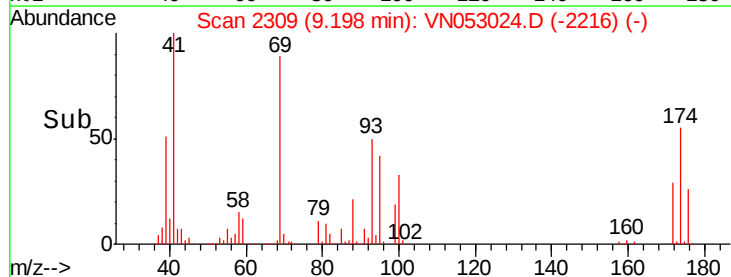
39 52.7 41.9 62.9

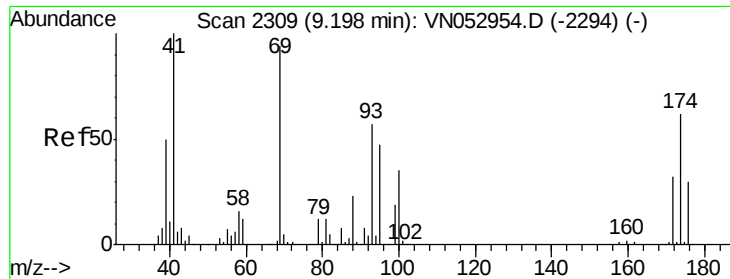


Abundance Ion 41.00 (40.70 to 41.70): VN053024.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053024.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053024.D (-2216) (-)





#49

1,4-Dioxane

Concen: 942.032 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

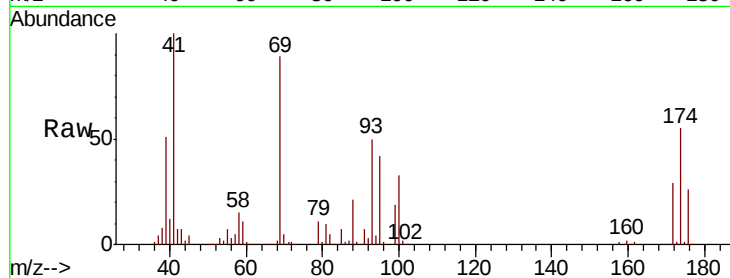
Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 108362

Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.6	40.0
58	70.7	58.4	87.6

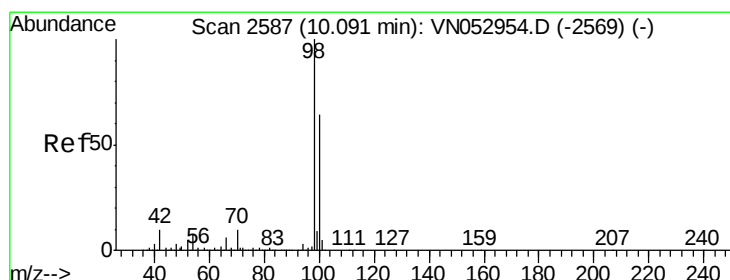
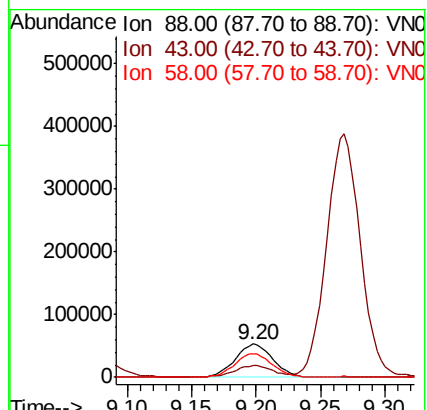
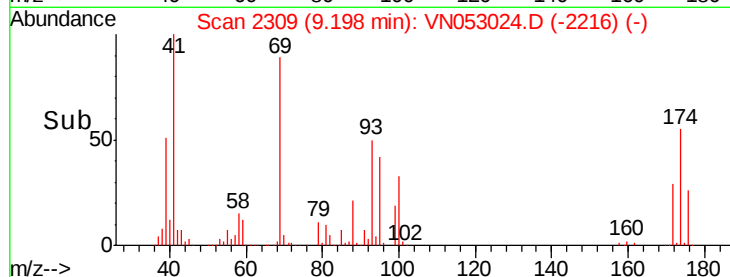


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 942.032 ug/l

RT: 10.09 min Scan# 2587

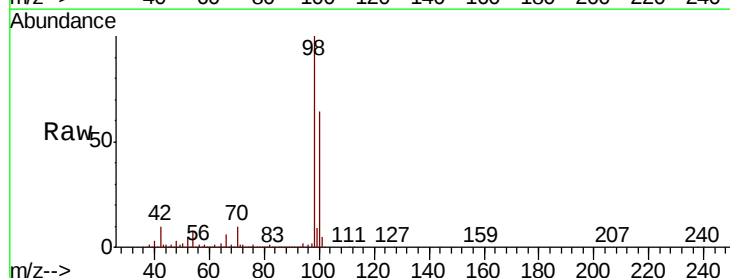
Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Tgt Ion: 98 Resp: 2220678

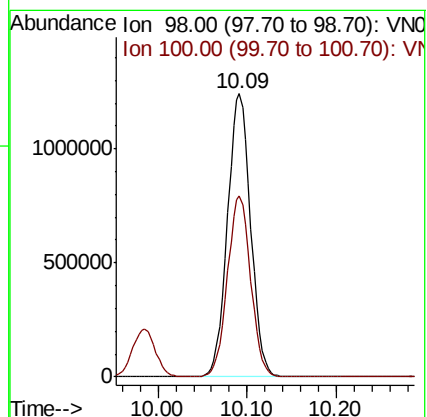
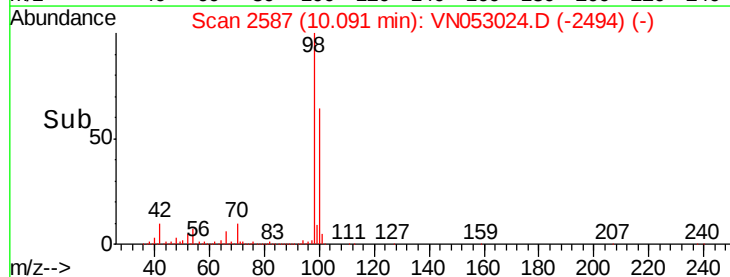
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4

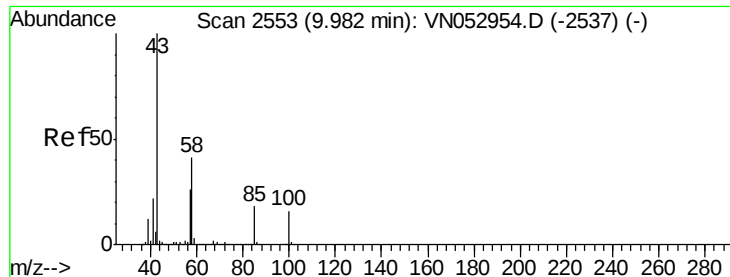


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 265.950 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

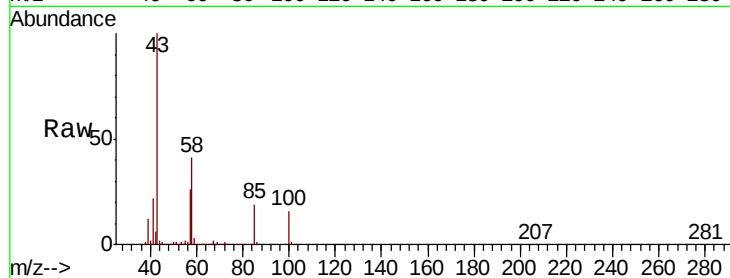
ClientSampled :

Tot Ion: 43 Resp: 2413589

Ion Ratio Lower Upper

43 100

58 40.9 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-2537) (-)

9.98

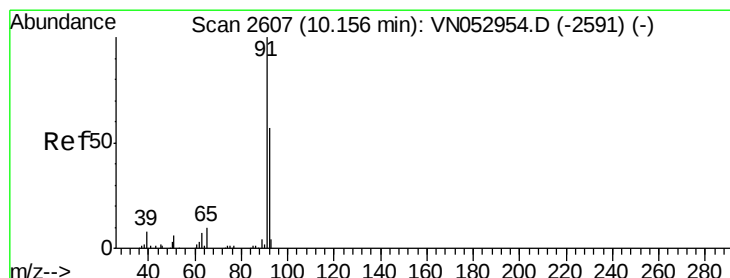
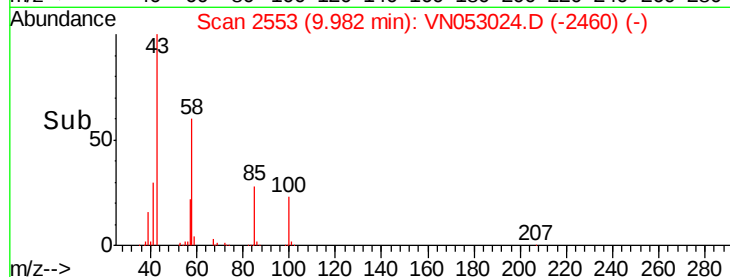
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 49.296 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053024.D

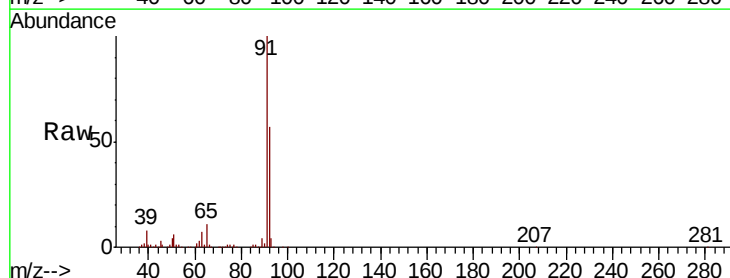
Acq: 19 Dec 2018 21:30

Tgt Ion: 92 Resp: 1525688

Ion Ratio Lower Upper

92 100

91 176.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052954.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052954.D (-2591) (-)

10.16

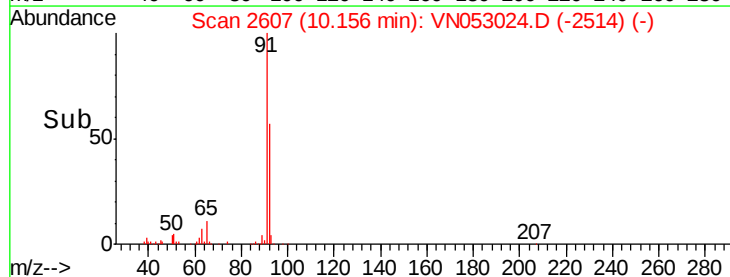
1500000

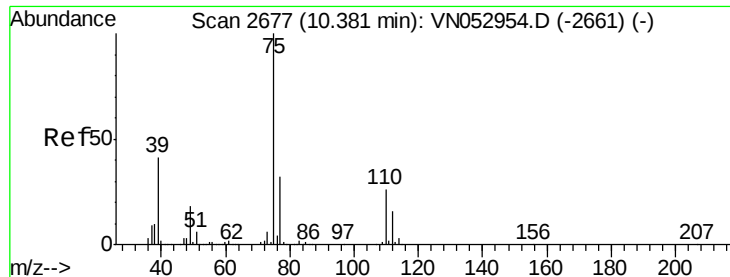
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.129 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

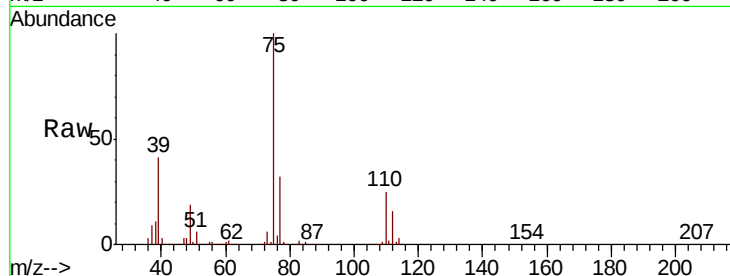
ClientSampled :

Tot Ion: 75 Resp: 832017

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

500000

400000

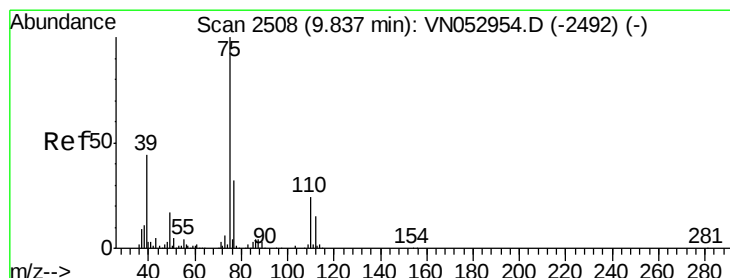
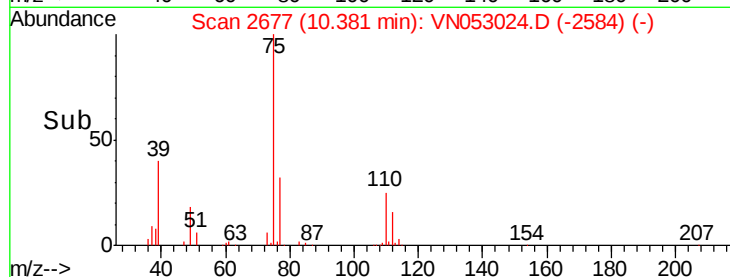
300000

200000

100000

0

Time--> 10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 49.916 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

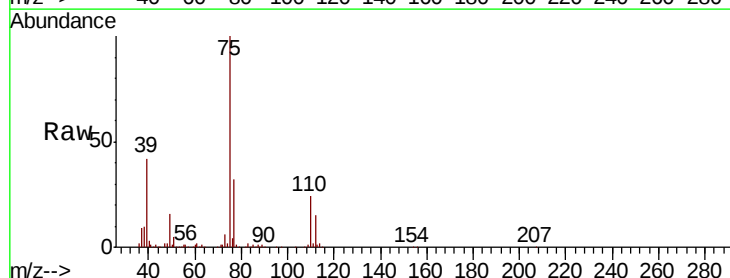
Tgt Ion: 75 Resp: 970306

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 41.7 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

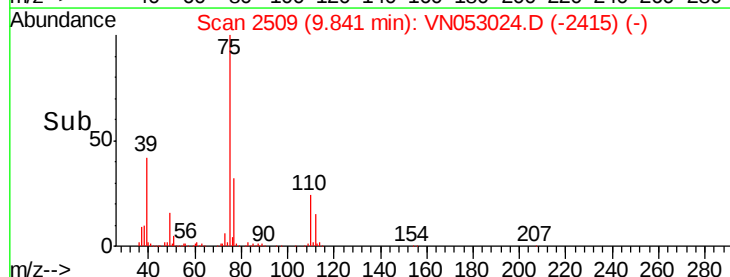
600000

400000

200000

0

Time--> 9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 51.119 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

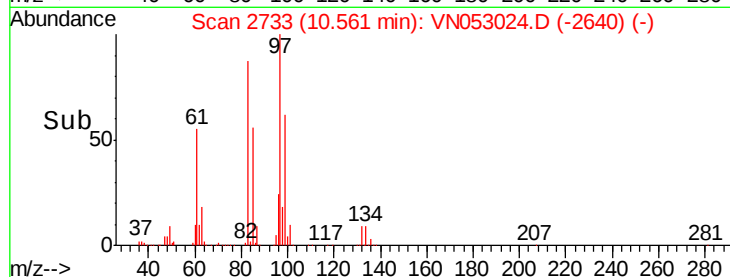
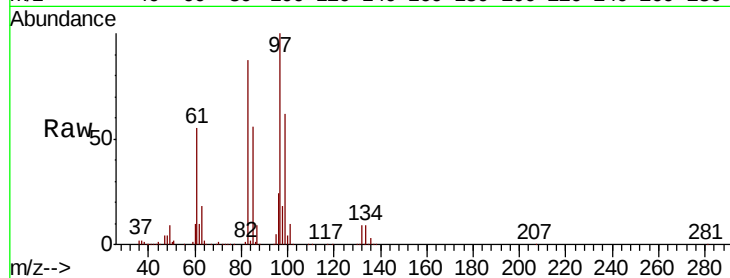
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 551945

Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.9	106.3
85	56.0	45.4	68.2
99	61.9	50.4	75.6

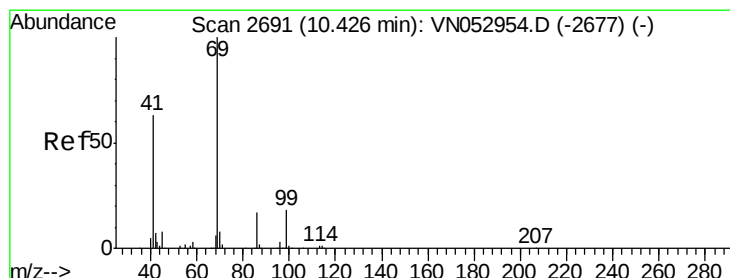
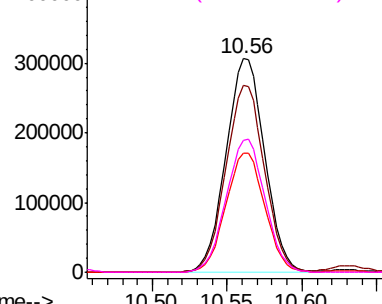


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.015 ug/l

RT: 10.43 min Scan# 2692

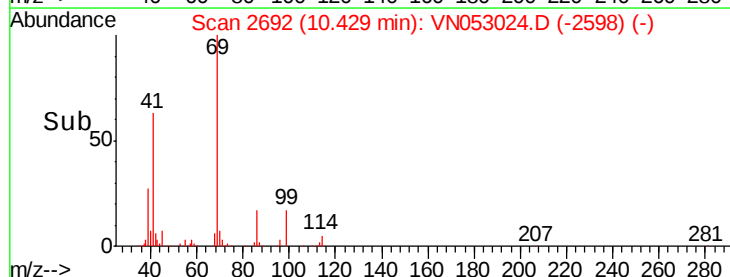
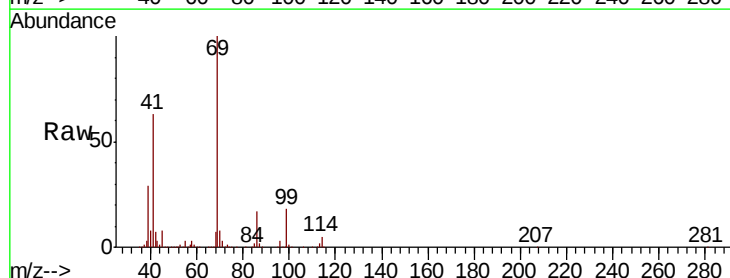
Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Tgt Ion: 69 Resp: 743356

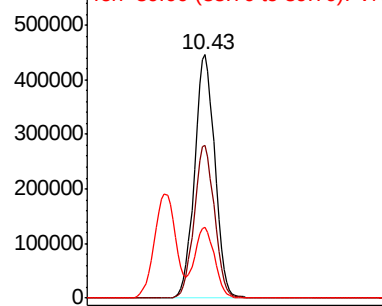
Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.7	77.5
39	28.8	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.149 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

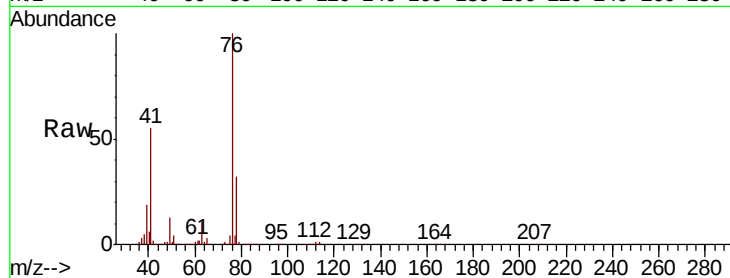
ClientSampled :

Tot Ion: 76 Resp: 947051

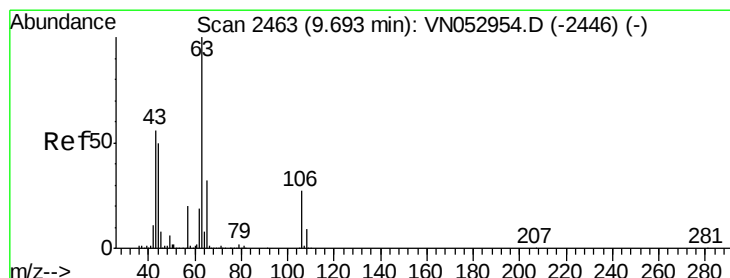
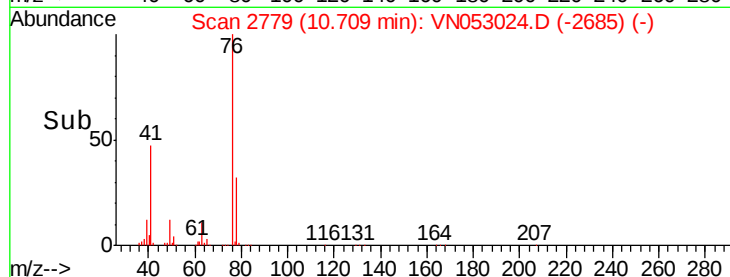
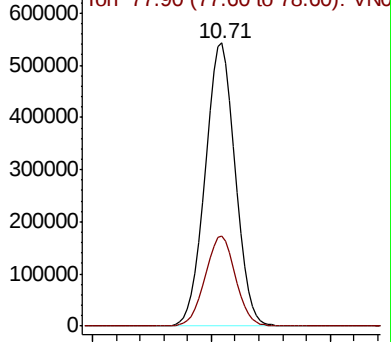
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN053024.D (-2685) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 263.022 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053024.D

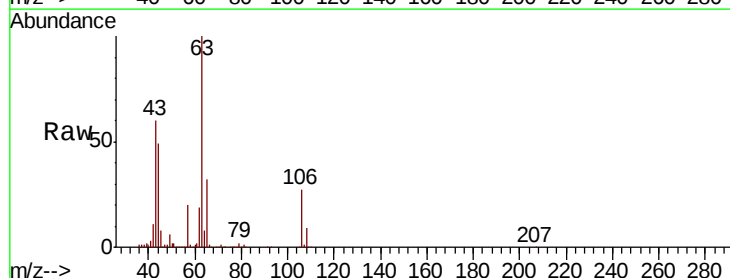
Acq: 19 Dec 2018 21:30

Tgt Ion: 63 Resp: 2063629

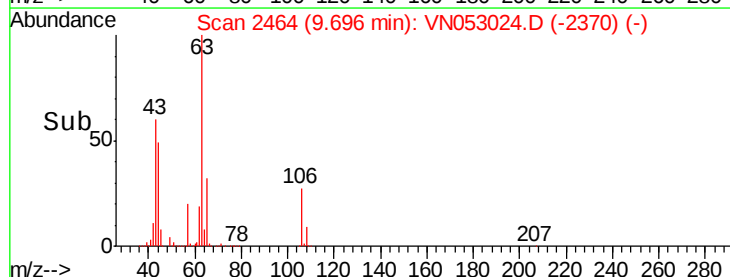
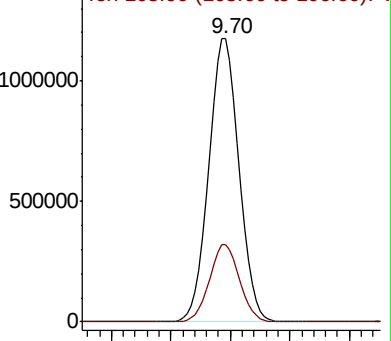
Ion Ratio Lower Upper

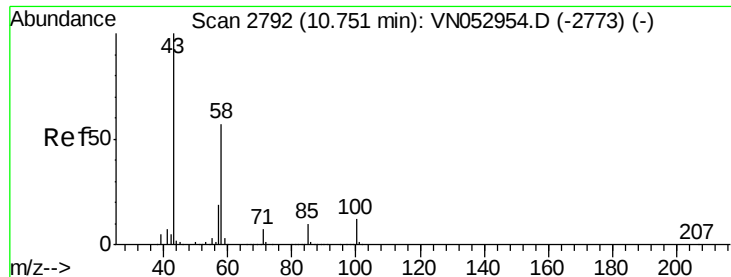
63 100

106 27.2 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN053024.D (-2370) (-)

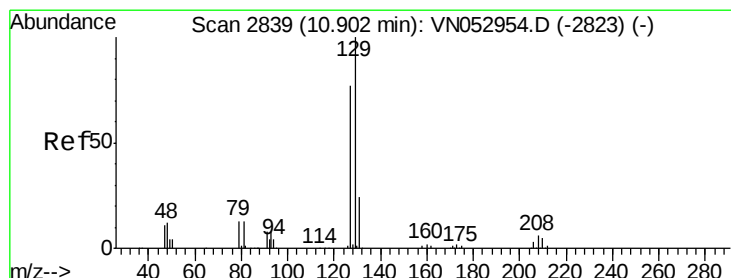
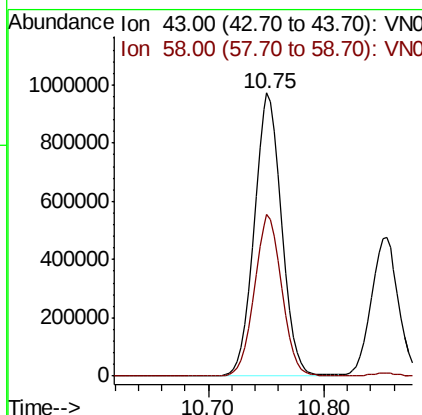
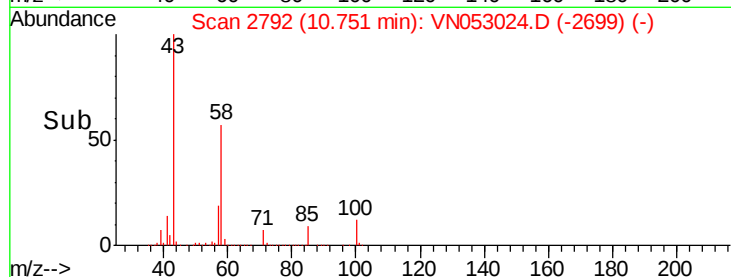
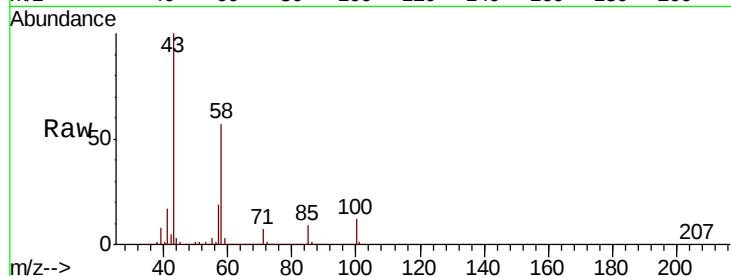




#59
2-Hexanone
Concen: 260.947 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

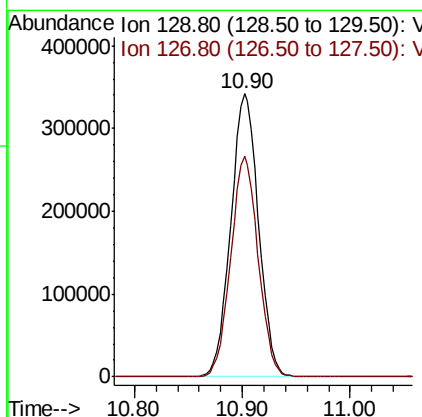
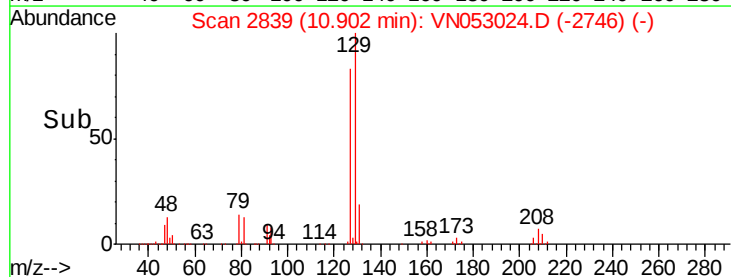
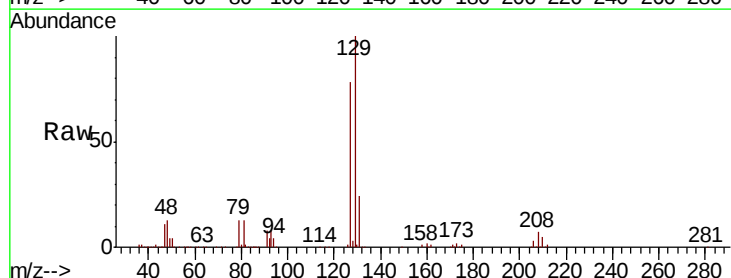
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1602268
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3



#60
Dibromochloromethane
Concen: 49.549 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 129 Resp: 612389
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

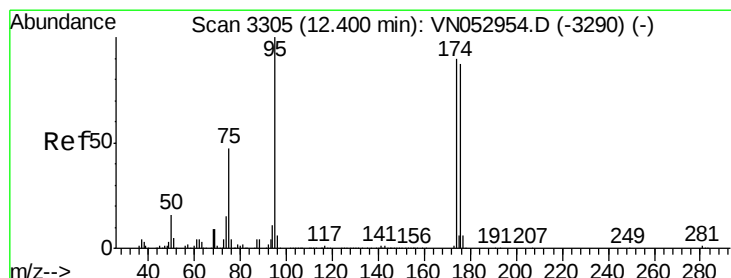
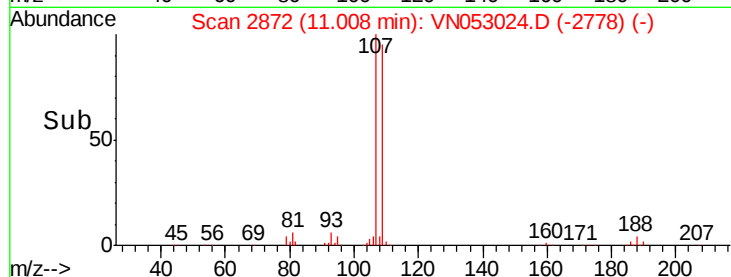
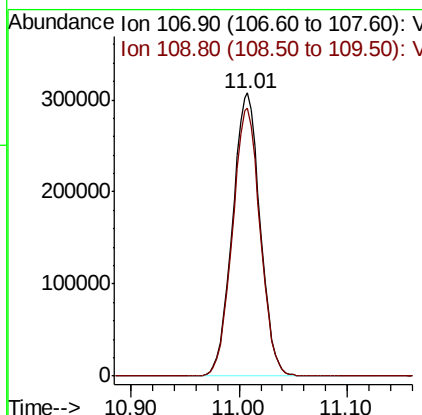
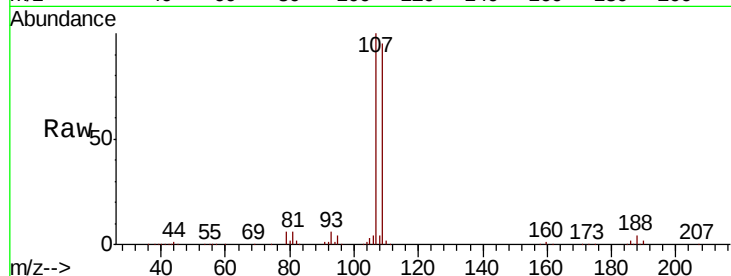




#61
 1,2-Dibromoethane
 Concen: 50.127 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

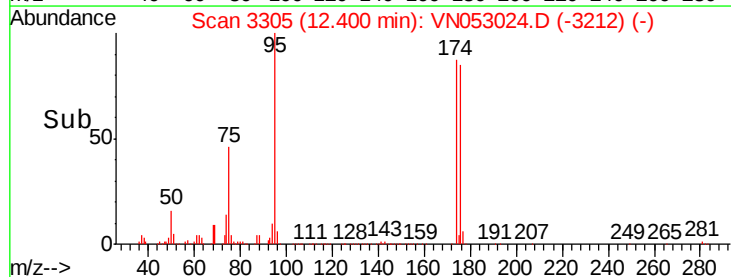
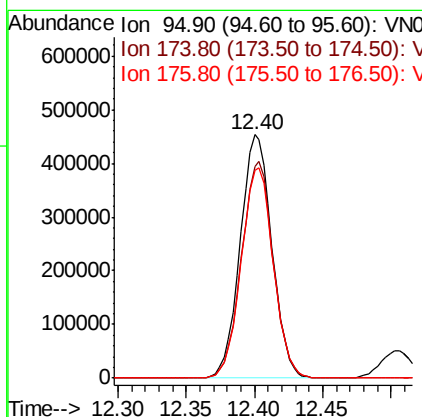
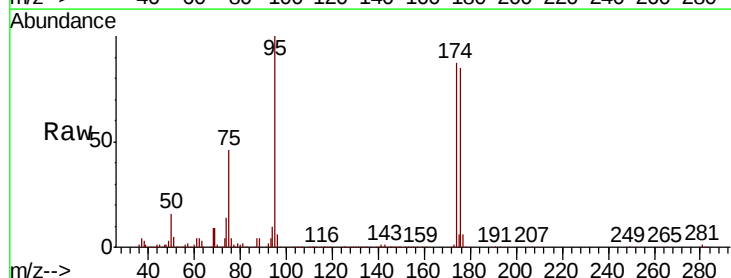
Instrument :
 MSVOA_N
 ClientSampleId :

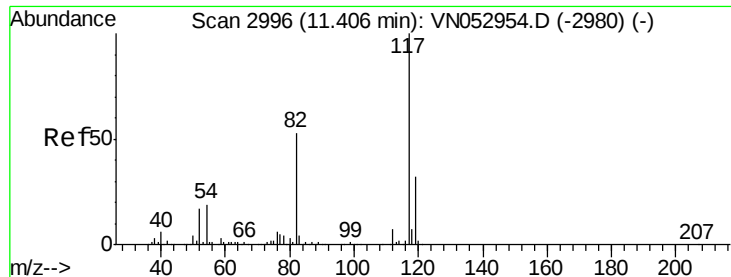
Tot Ion: 107 Resp: 549684
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.127 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion: 95 Resp: 730430
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 178.8
 176 87.2 0.0 173.8

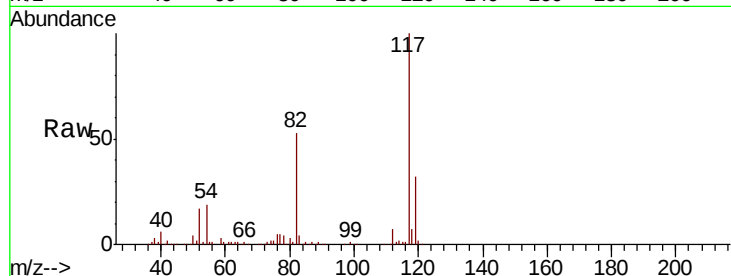




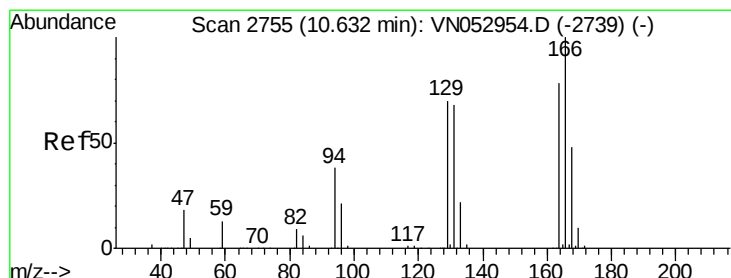
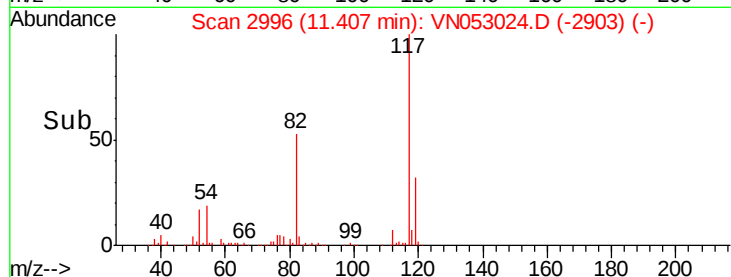
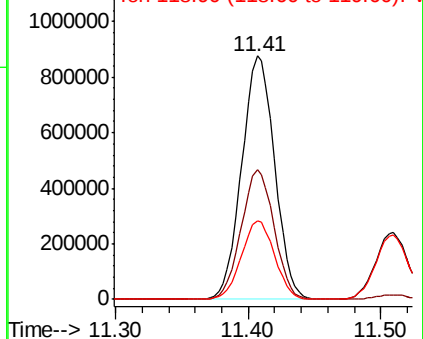
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1511632
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.4 25.5 38.3

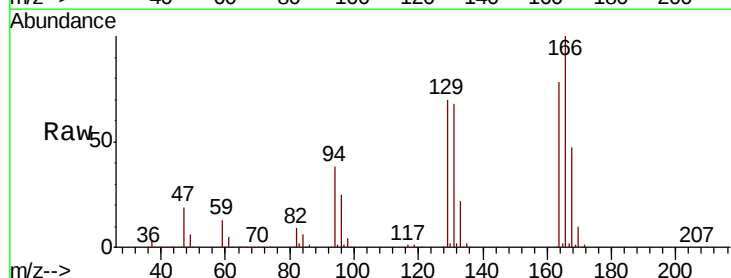


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

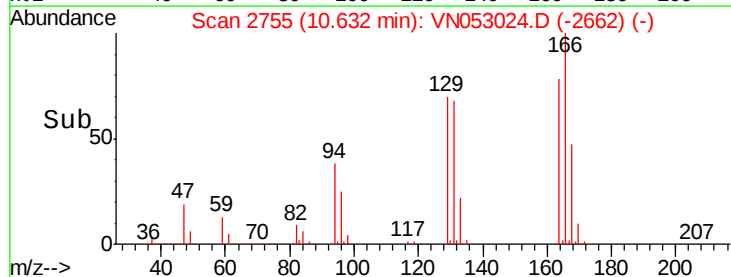
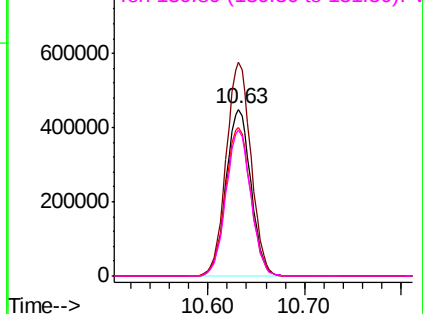


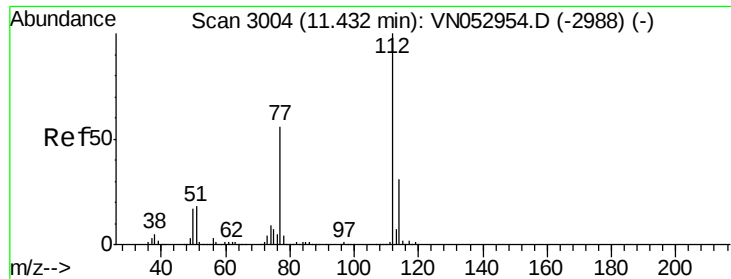
#64
Tetrachloroethene
Concen: 48.771 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion:164 Resp: 798586
Ion Ratio Lower Upper
164 100
166 128.2 102.9 154.3
129 89.5 73.7 110.5
131 87.7 70.7 106.1



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

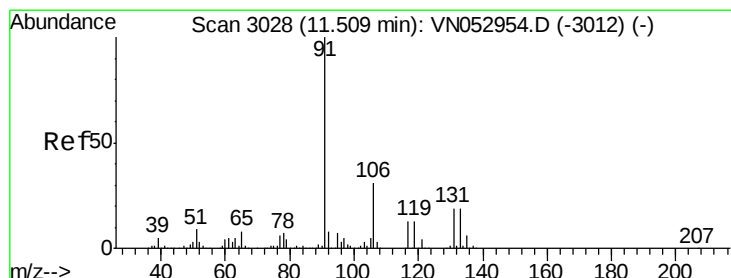
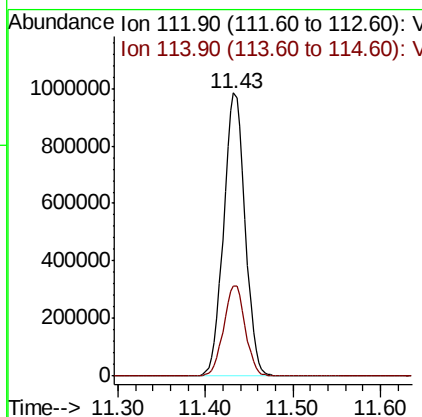
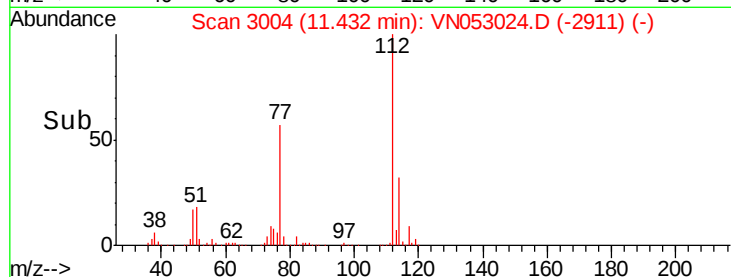
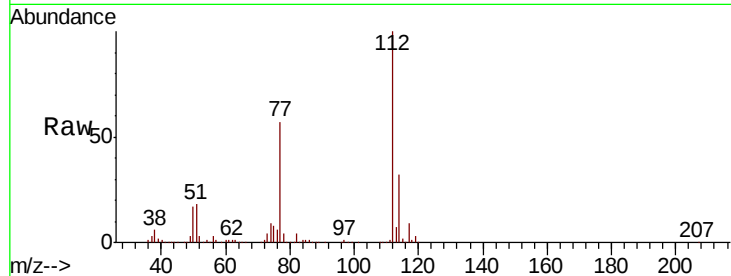




#65
Chlorobenzene
Concen: 49.778 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

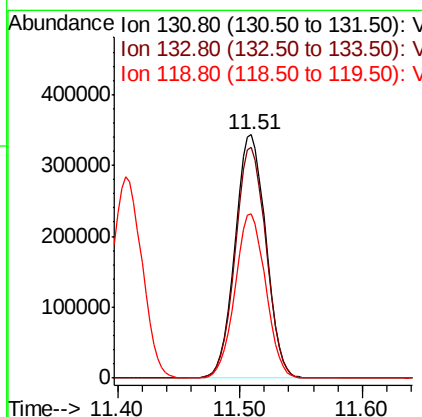
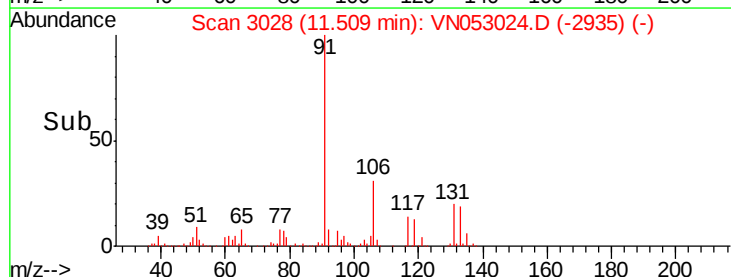
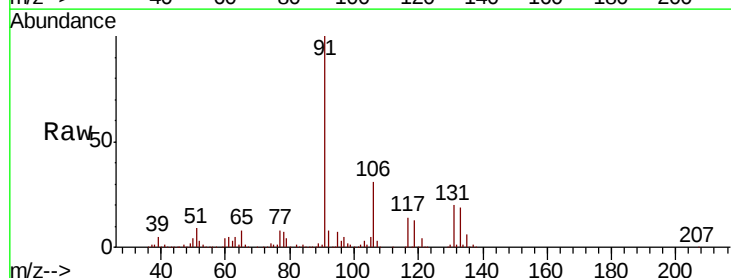
Instrument :
MSVOA_N
ClientSampled :

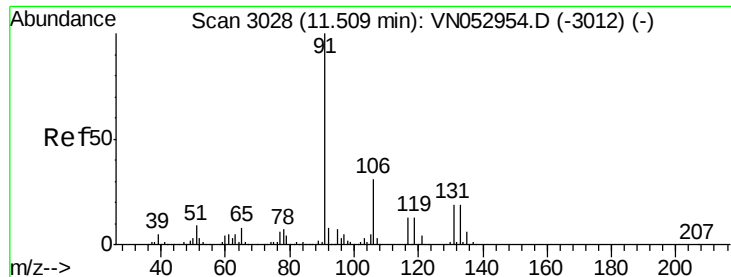
Tot Ion:112 Resp: 1667989
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.448 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion:131 Resp: 599497
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 66.9 33.3 99.8

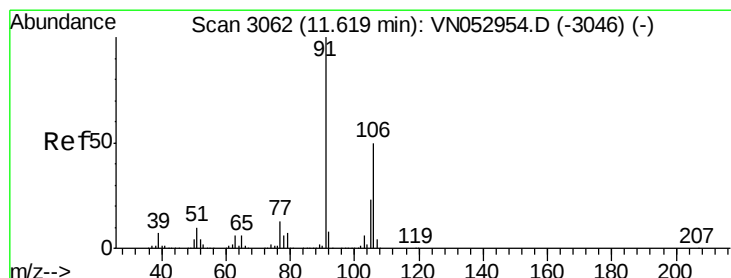
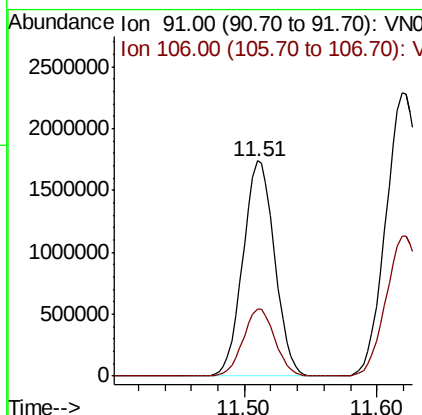
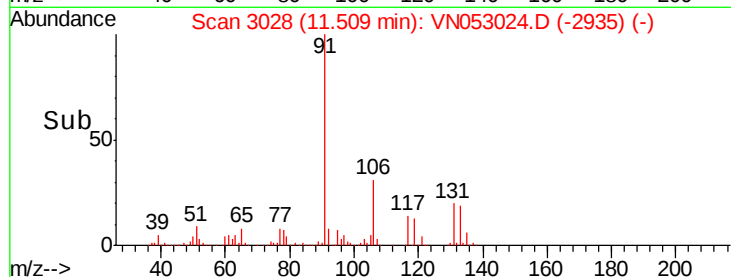
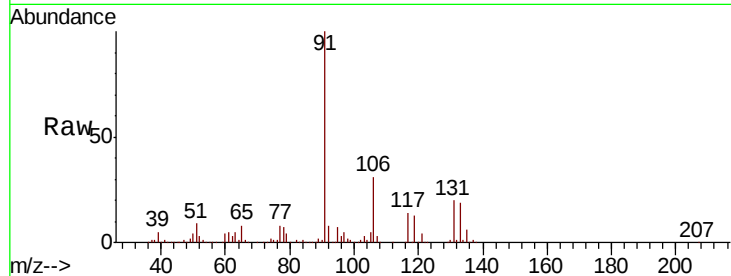




#67
Ethyl Benzene
Concen: 49.967 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

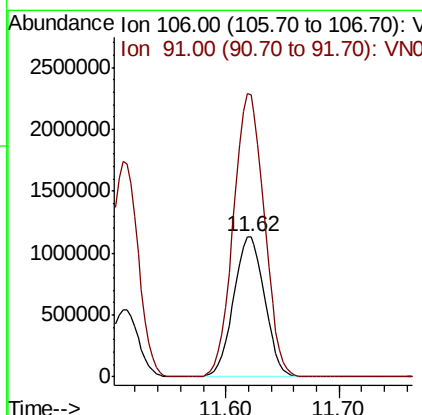
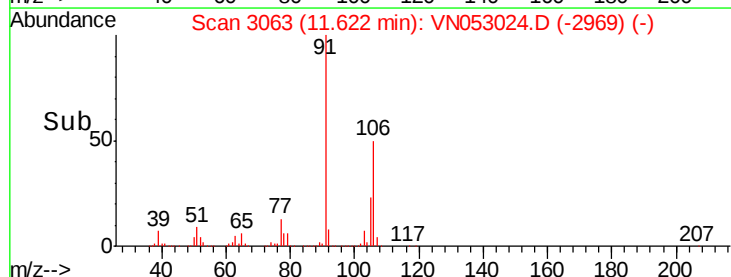
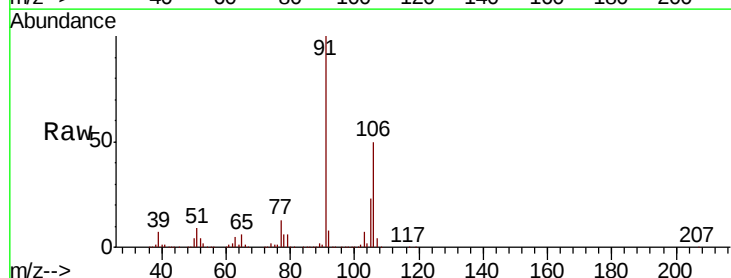
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 2879375
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 98.475 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 106 Resp: 2157283
Ion Ratio Lower Upper
106 100
91 201.5 162.2 243.4

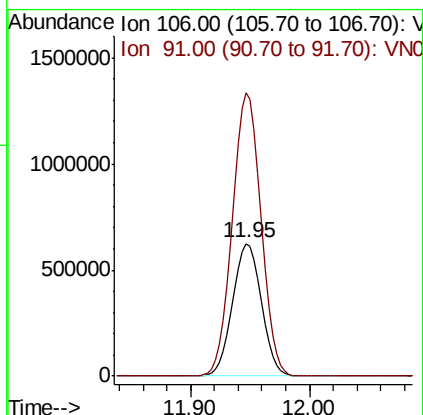
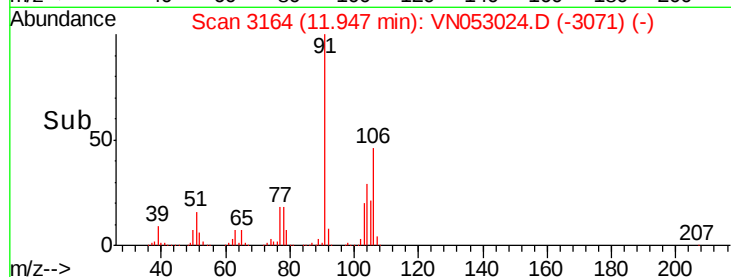
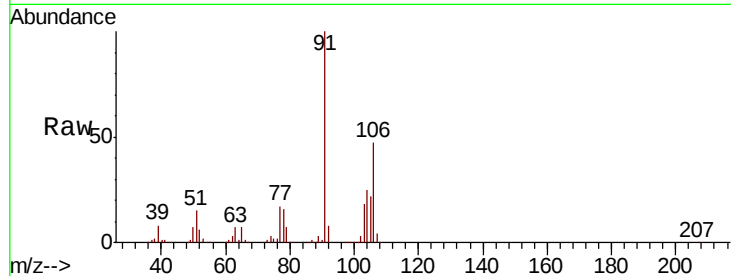




#69
o-Xylene
Concen: 49.876 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

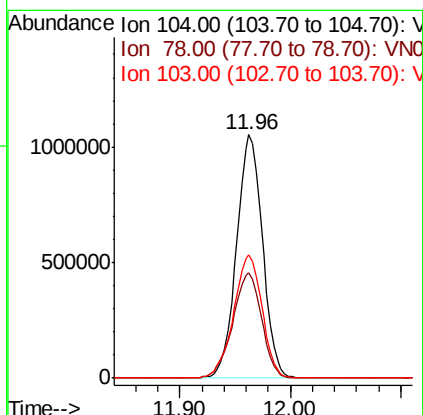
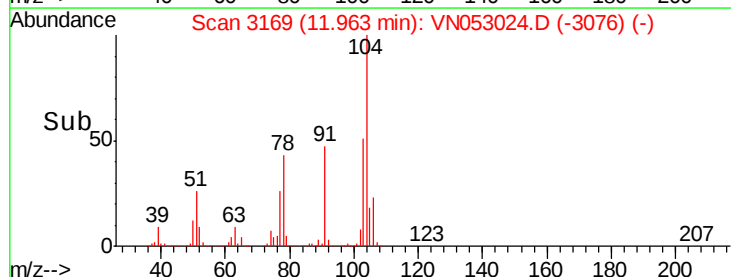
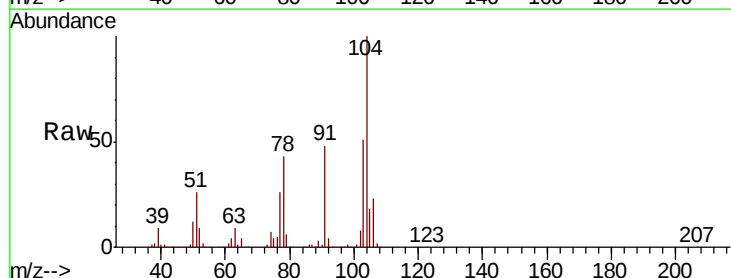
Instrument :
MSVOA_N
ClientSampled :

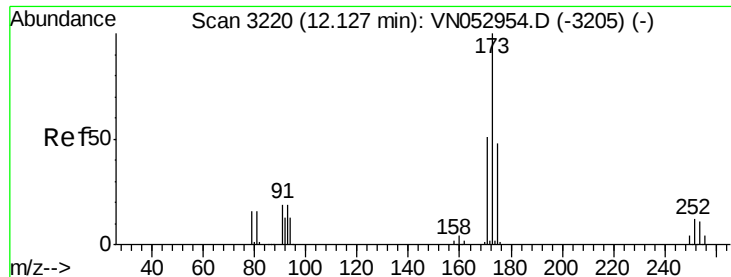
Tot Ion:106 Resp: 1048464
Ion Ratio Lower Upper
106 100
91 212.4 106.6 319.8



#70
Styrene
Concen: 50.022 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion:104 Resp: 1714659
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.5 44.3 66.5

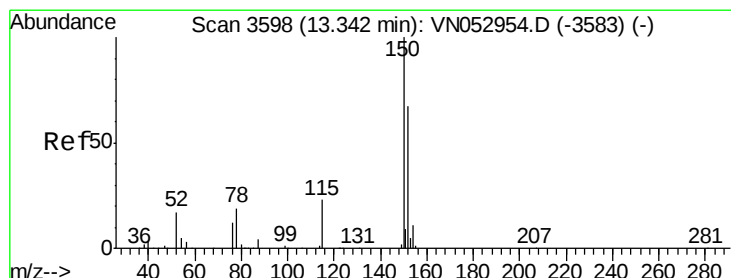
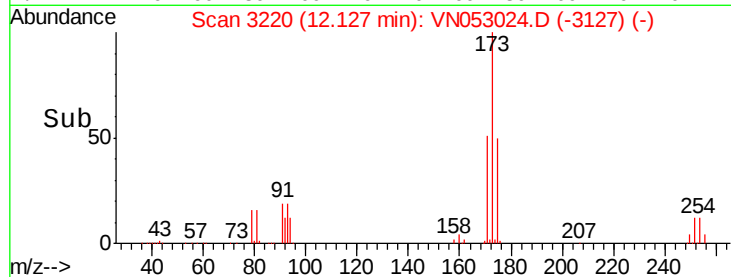
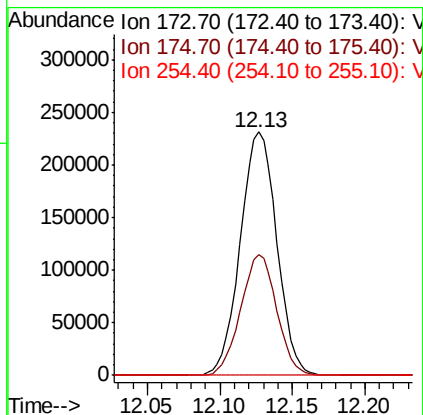
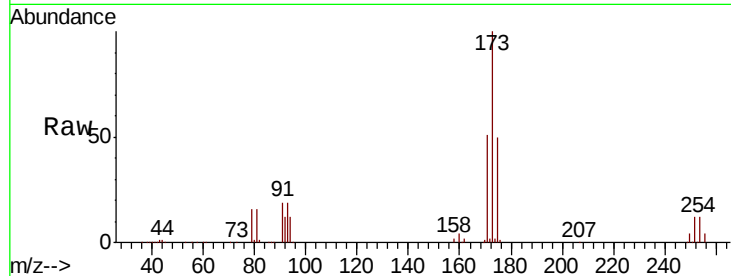




#71
Bromoform
Concen: 48.086 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

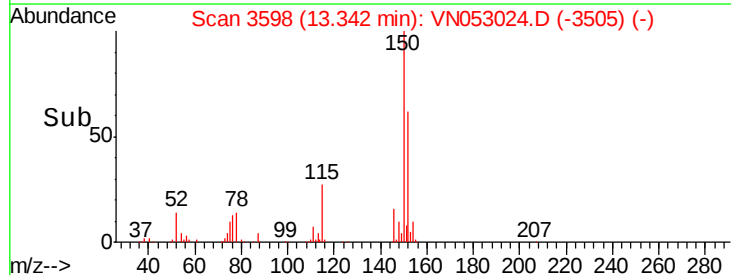
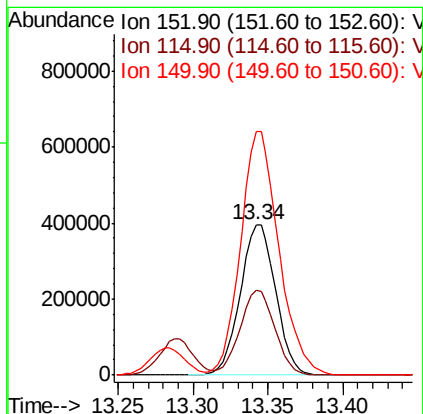
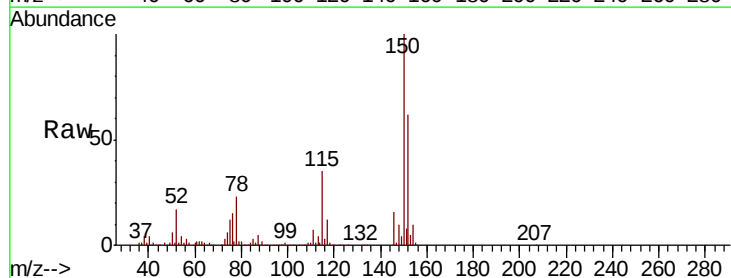
Instrument :
MSVOA_N
ClientSampleId :

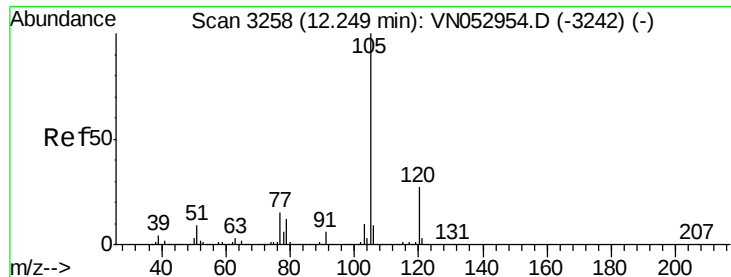
Tot Ion:173 Resp: 404789
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.9
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion:152 Resp: 650635
Ion Ratio Lower Upper
152 100
115 55.7 28.3 85.0
150 174.9 0.0 347.8





#73

Isopropylbenzene

Concen: 54.389 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

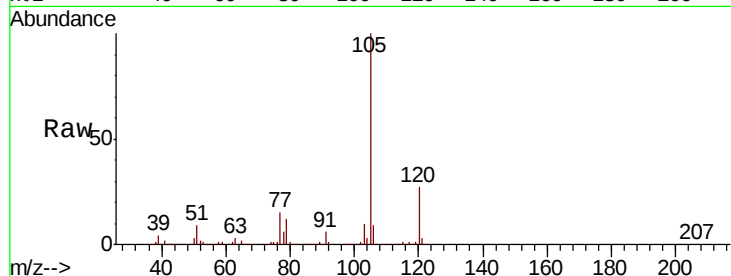
ClientSampled :

Tot Ion:105 Resp: 2768757

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

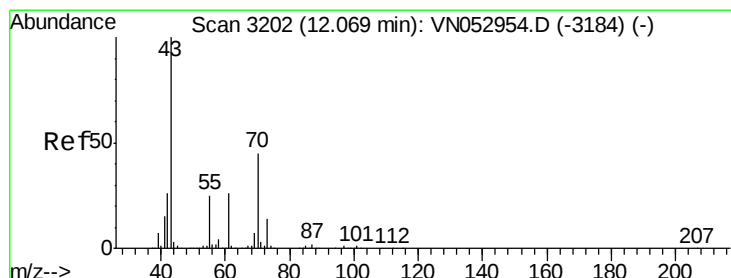
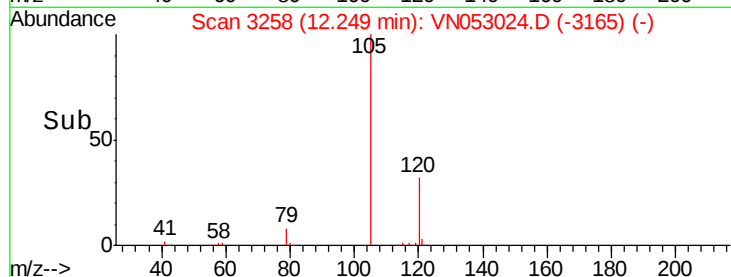
1000000

500000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 57.500 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Tgt Ion: 43 Resp: 812679

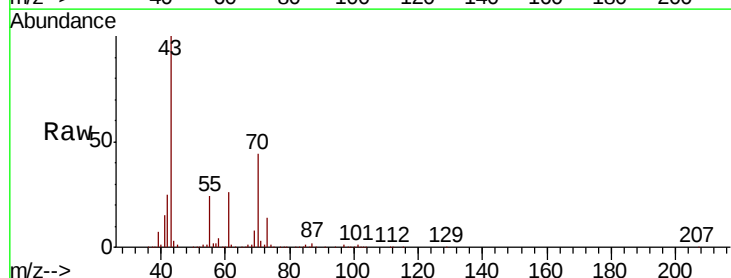
Ion Ratio Lower Upper

43 100

70 43.9 34.2 51.4

55 24.6 20.3 30.5

61 25.6 20.0 30.0



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

800000

600000

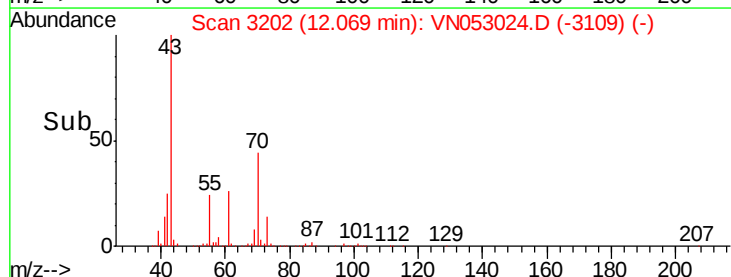
400000

200000

0

12.00 12.07 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.555 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampled :

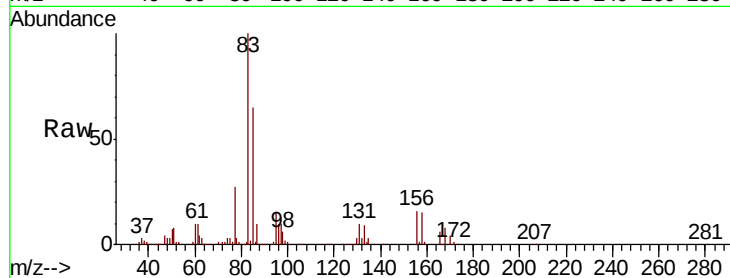
Tot Ion: 83 Resp: 564815

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

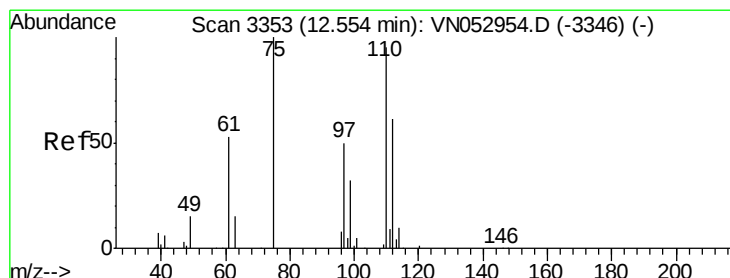
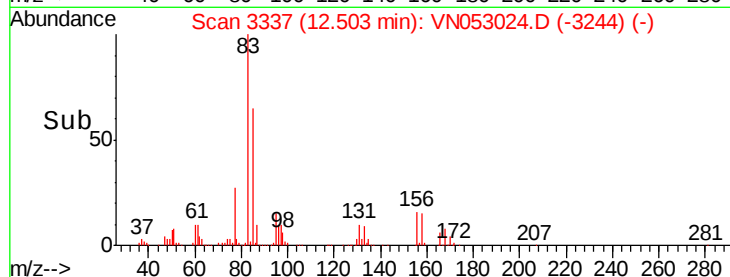
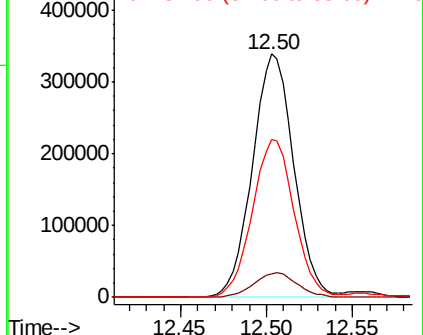
85 65.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053024.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053024.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053024.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 72.194 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053024.D

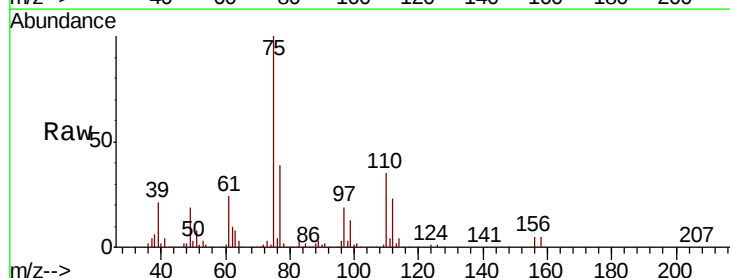
Acq: 19 Dec 2018 21:30

Tgt Ion: 75 Resp: 790722

Ion Ratio Lower Upper

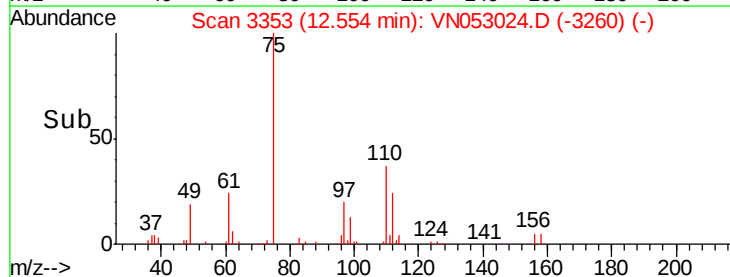
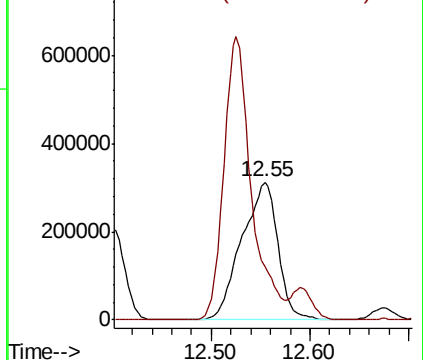
75 100

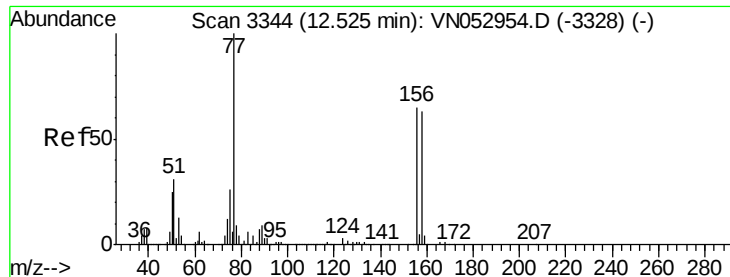
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053024.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053024.D (-3260) (-)





#77

Bromobenzene

Concen: 53.205 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampled :

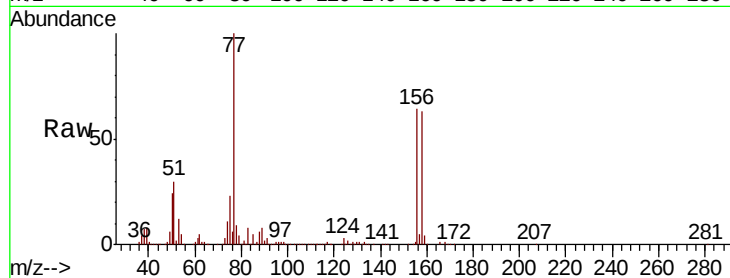
Tot Ion:156 Resp: 704046

Ion Ratio Lower Upper

156 100

77 179.0 91.3 273.8

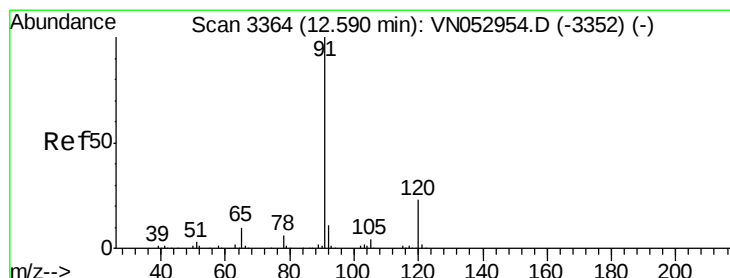
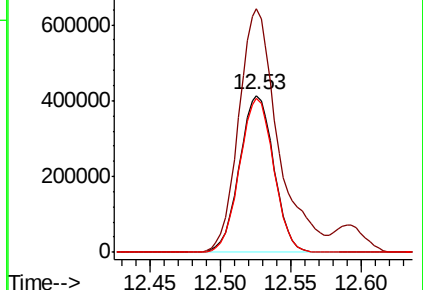
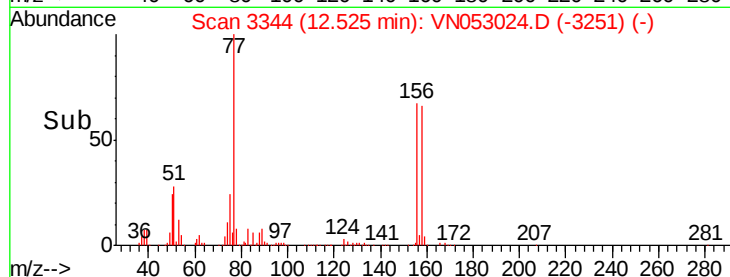
158 97.7 49.0 147.2



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: 53.032 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053024.D

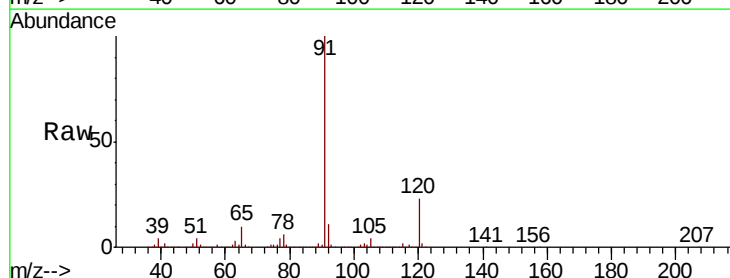
Acq: 19 Dec 2018 21:30

Tgt Ion: 91 Resp: 3074700

Ion Ratio Lower Upper

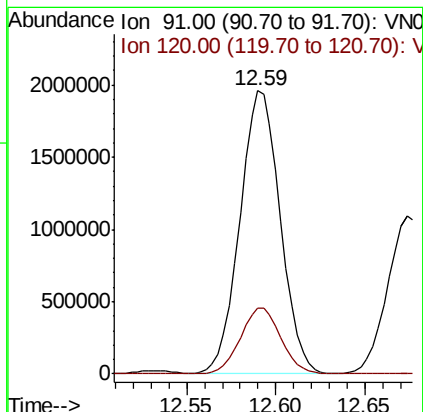
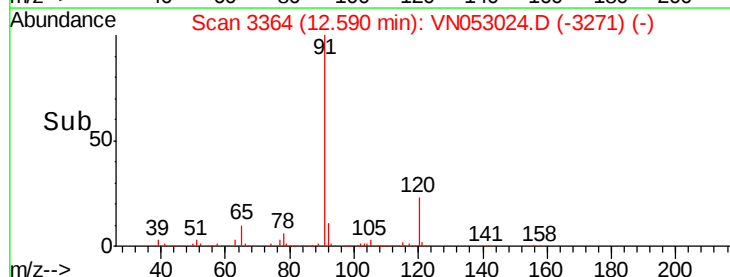
91 100

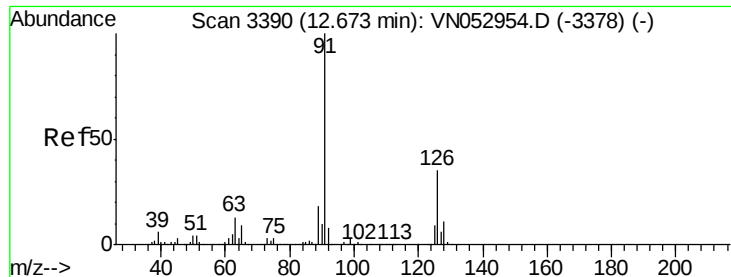
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.214 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

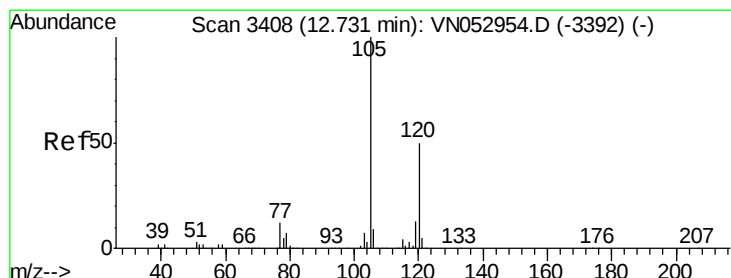
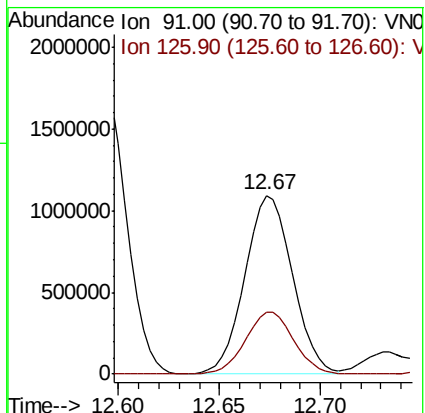
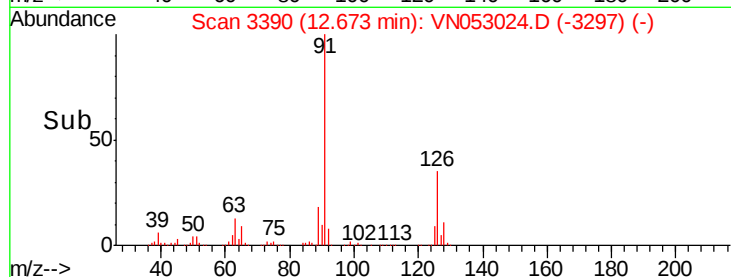
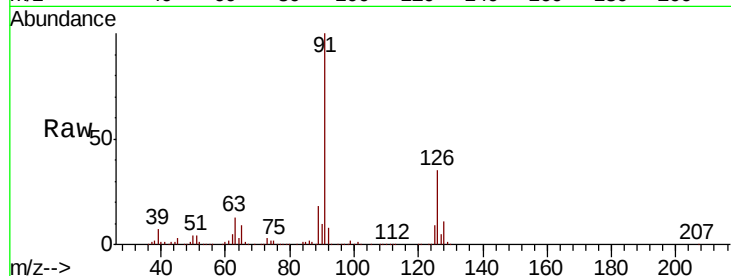
ClientSampled :

Tot Ion: 91 Resp: 1804570

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.884 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053024.D

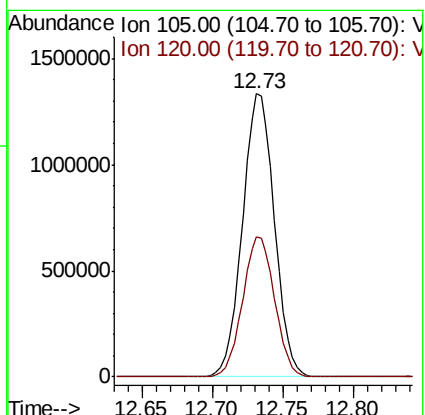
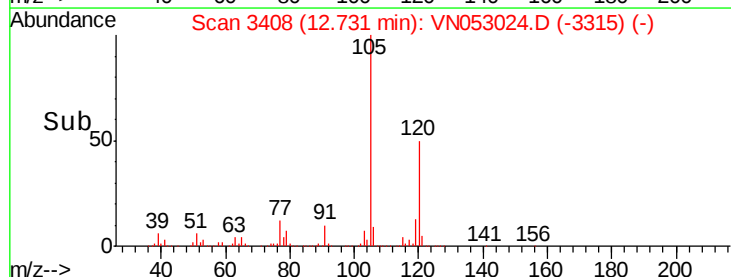
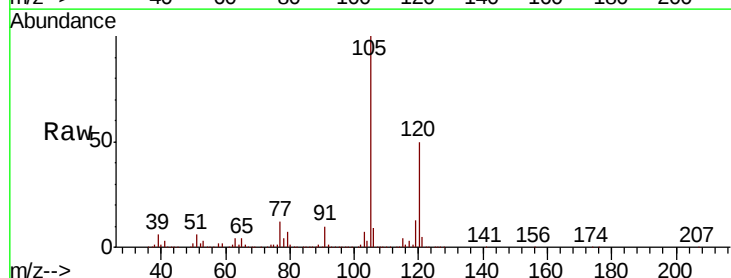
Acq: 19 Dec 2018 21:30

Tgt Ion: 105 Resp: 2111337

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.732 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampled :

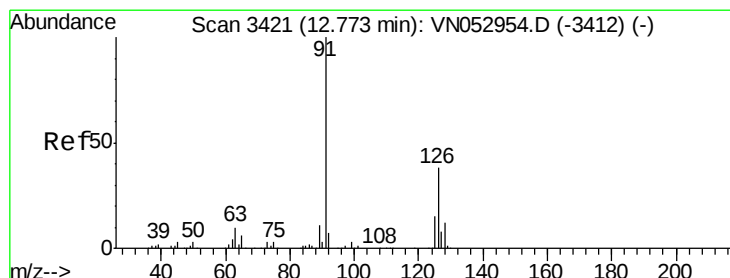
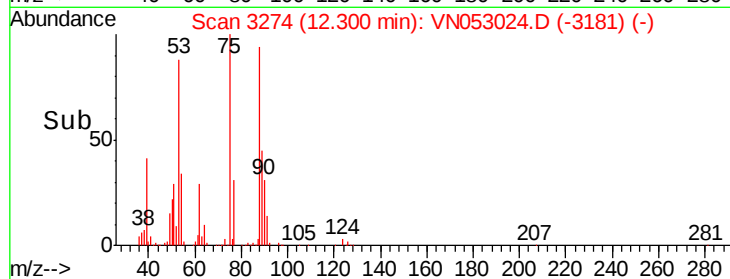
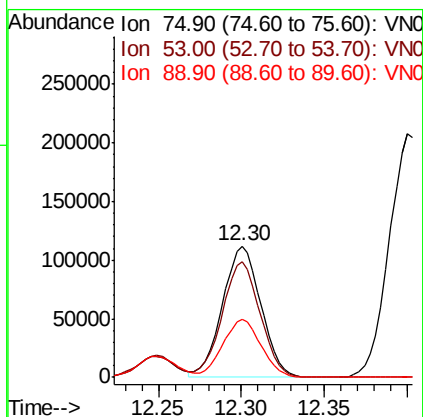
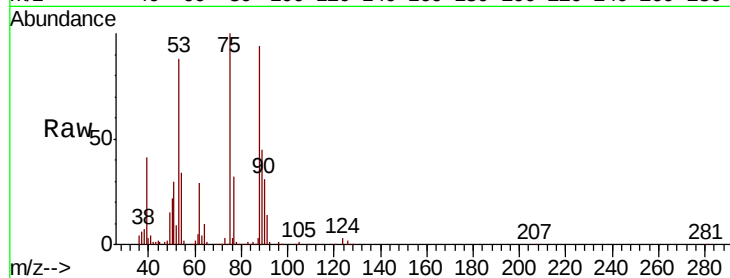
Tot Ion: 75 Resp: 179194

Ion Ratio Lower Upper

75 100

53 88.5 74.7 112.1

89 44.5 36.1 54.1



#82

4-Chlorotoluene

Concen: 51.467 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053024.D

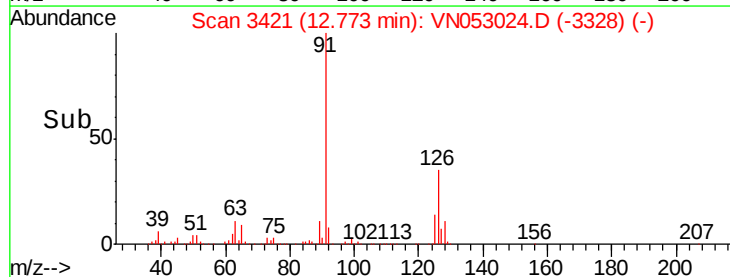
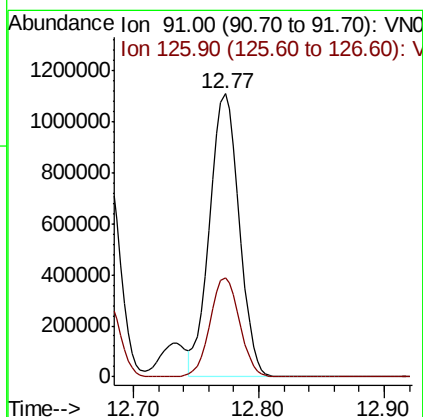
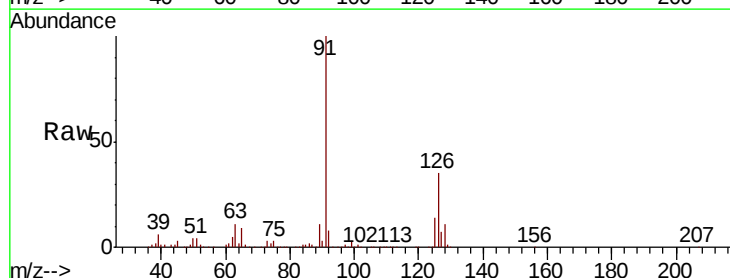
Acq: 19 Dec 2018 21:30

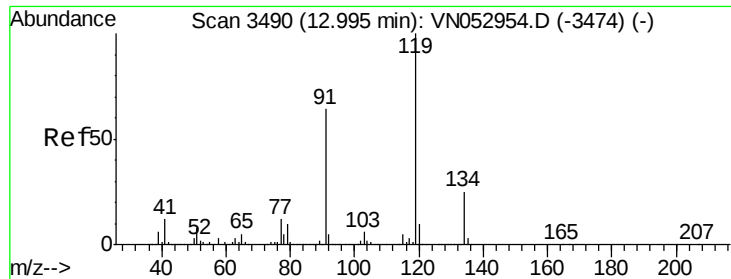
Tgt Ion: 91 Resp: 1810564

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7

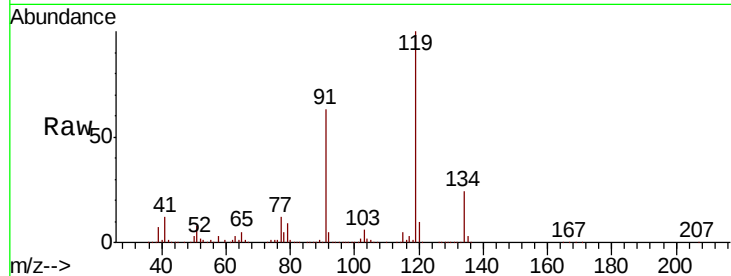




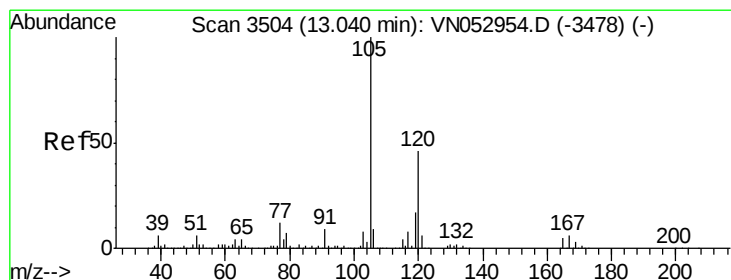
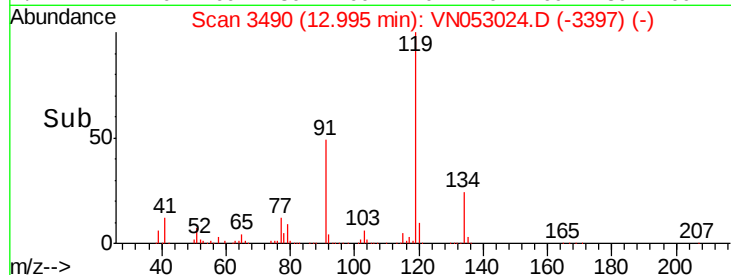
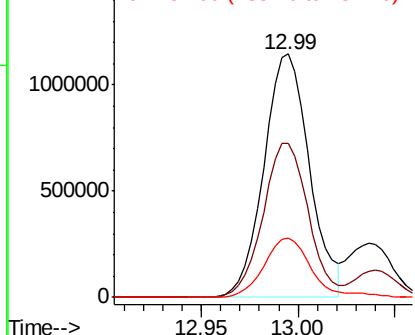
#83
tert-Butylbenzene
Concen: 51.216 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 1879490
Ion Ratio Lower Upper
119 100
91 63.0 31.9 95.5
134 25.4 12.8 38.4

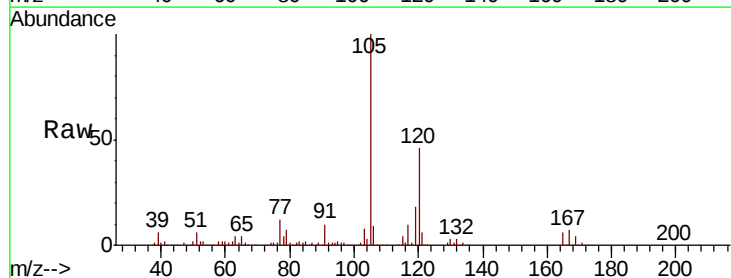


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

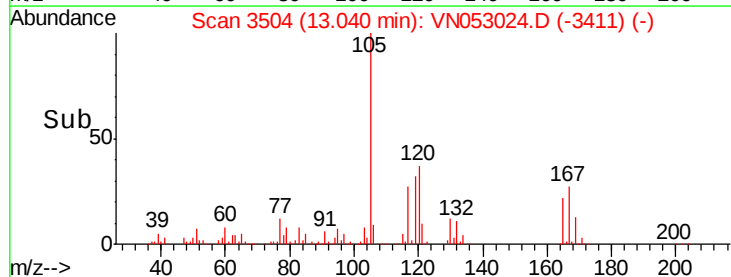
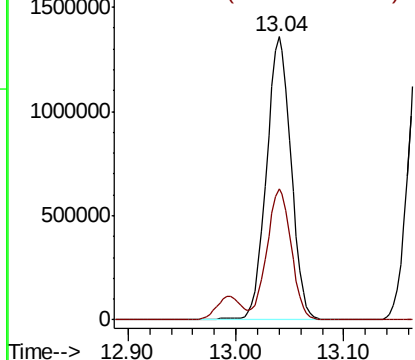


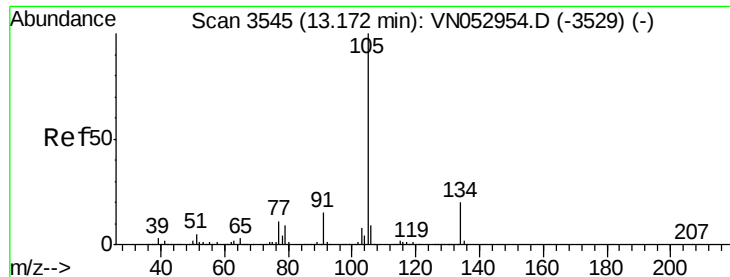
#84
1,2,4-Trimethylbenzene
Concen: 51.277 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion:105 Resp: 2138901
Ion Ratio Lower Upper
105 100
120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.823 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

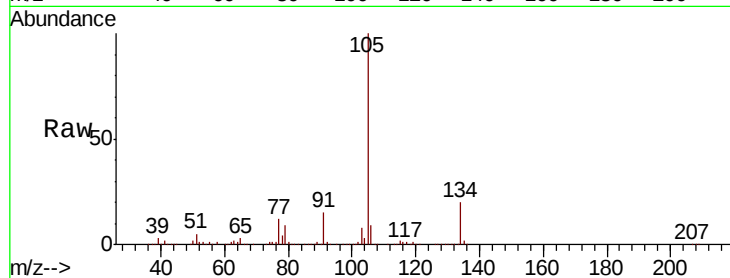
ClientSampled :

Tot Ion:105 Resp: 2473025

Ion Ratio Lower Upper

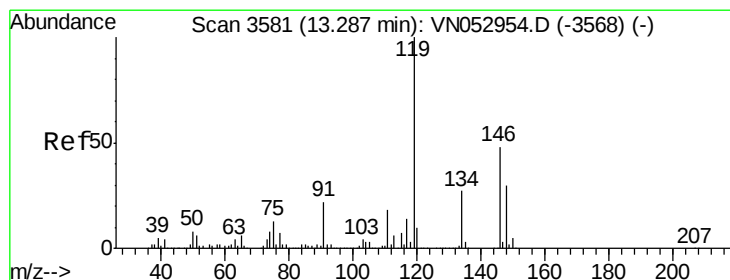
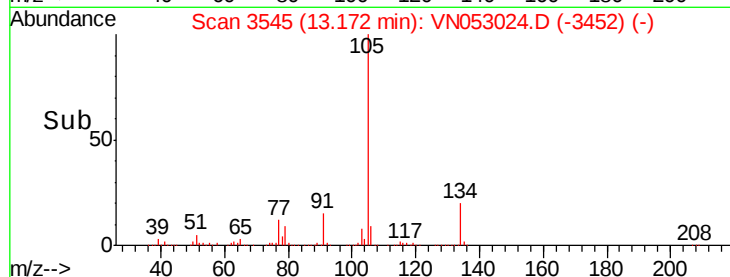
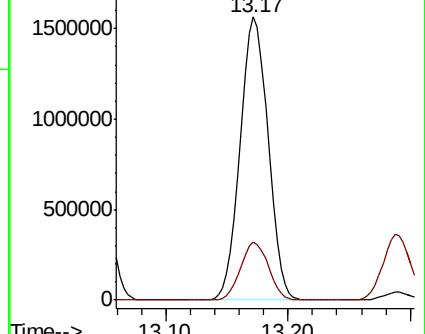
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.632 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

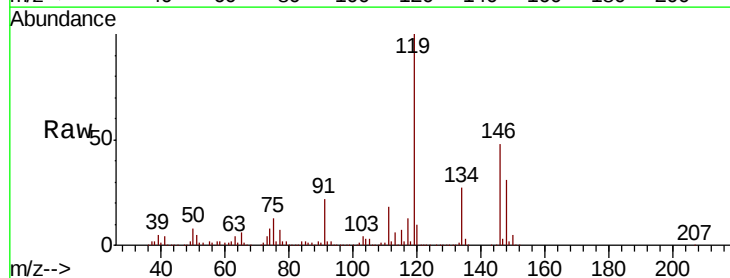
Tgt Ion:119 Resp: 2128697

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

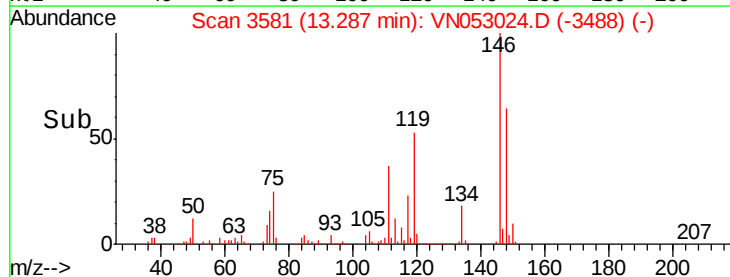
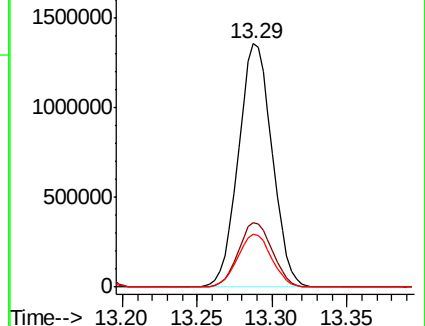
91 21.8 11.1 33.3

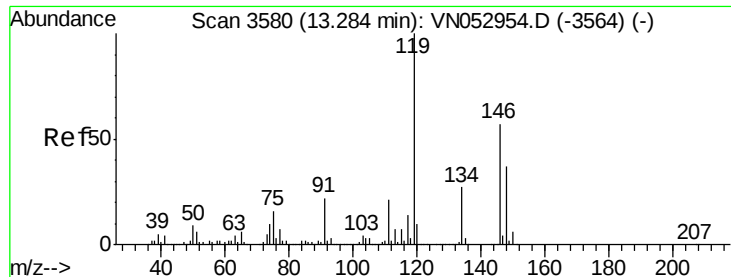


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

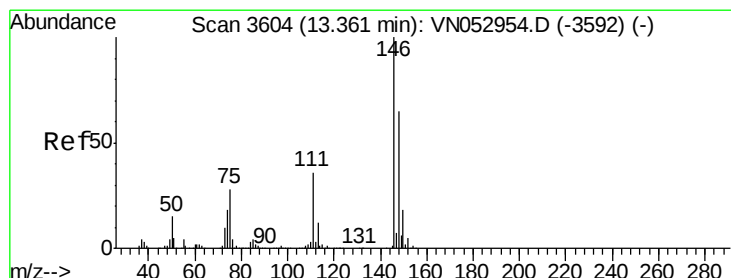
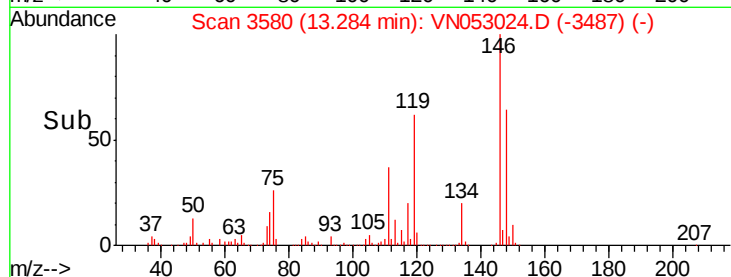
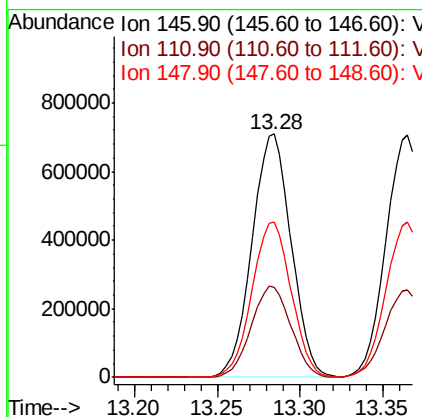
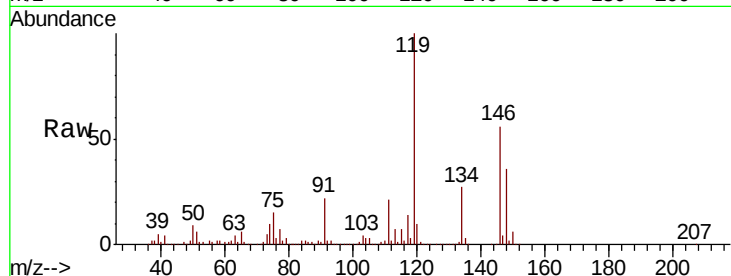




#87
 1,3-Dichlorobenzene
 Concen: 49.725 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

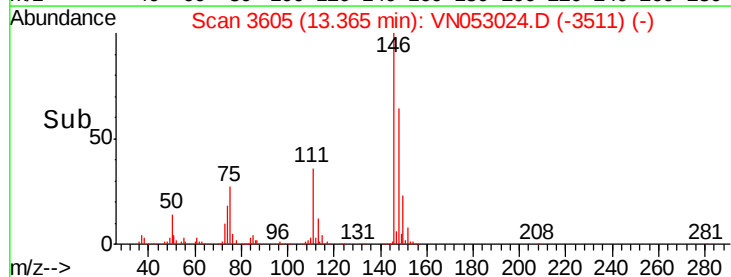
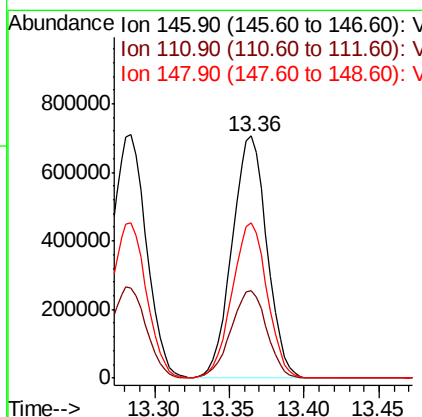
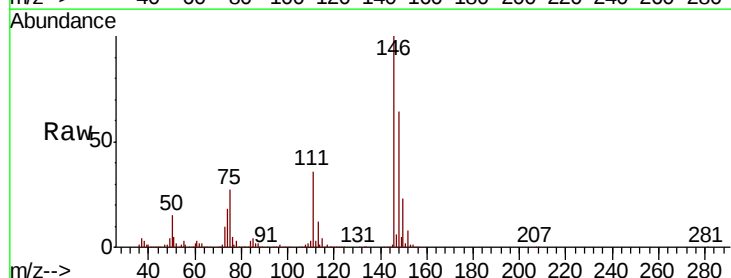
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1164574
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 63.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 48.237 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion:146 Resp: 1144057
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.8 32.1 96.5





#89

n-Butylbenzene

Concen: 46.622 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampled :

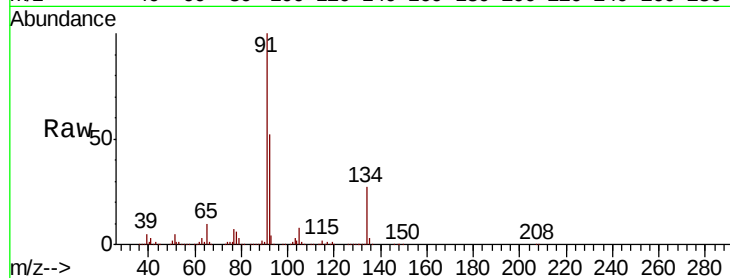
Tot Ion: 91 Resp: 1720274

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.9

134 27.0 13.3 39.8

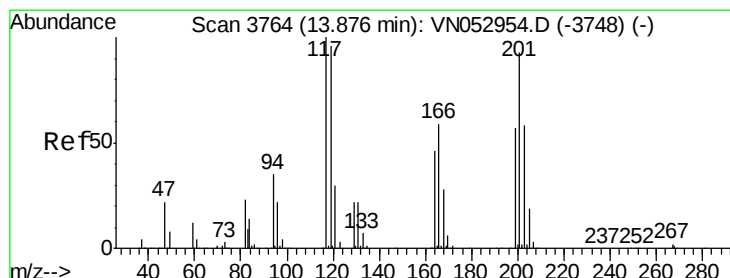
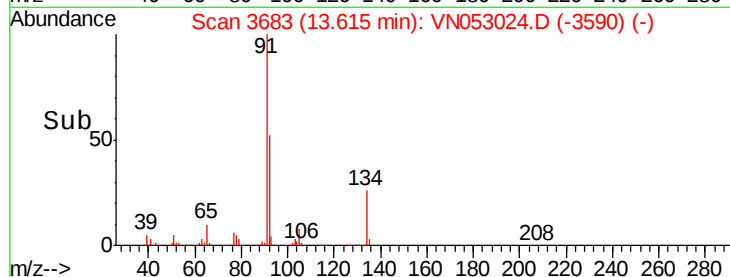


Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 49.250 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053024.D

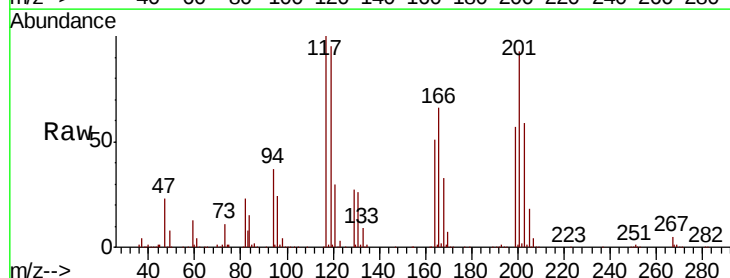
Acq: 19 Dec 2018 21:30

Tgt Ion: 117 Resp: 324151

Ion Ratio Lower Upper

117 100

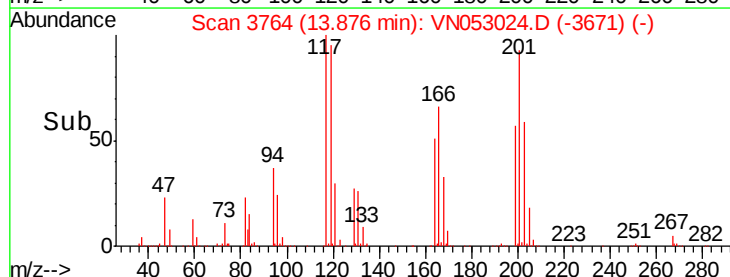
201 92.0 45.7 137.1

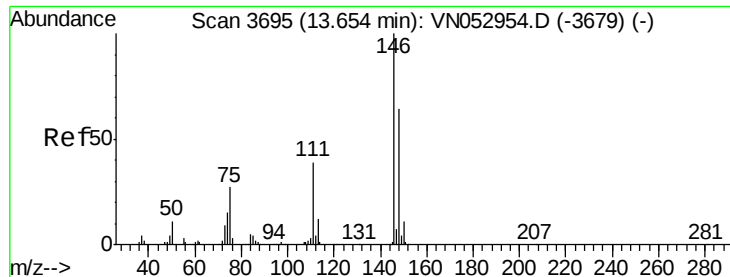


Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

Time--> 13.80 13.85 13.90 13.95





#91

1,2-Dichlorobenzene

Concen: 49.176 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

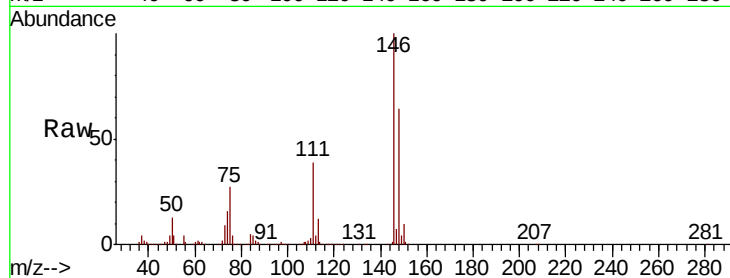
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146 Resp: 1083950

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.4	32.0	96.0

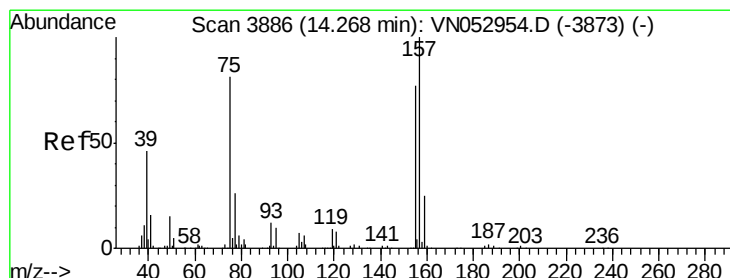
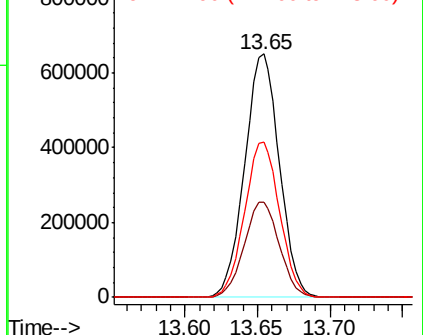
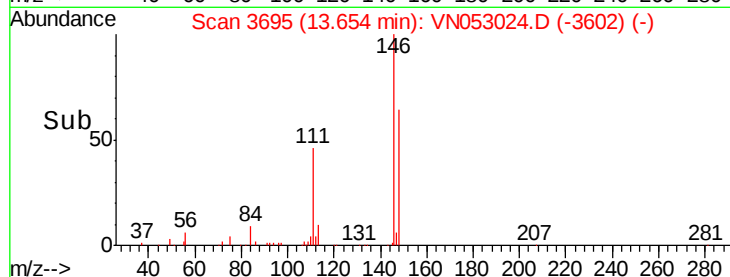


Abundance

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: 48.520 ug/l

RT: 14.27 min Scan# 3887

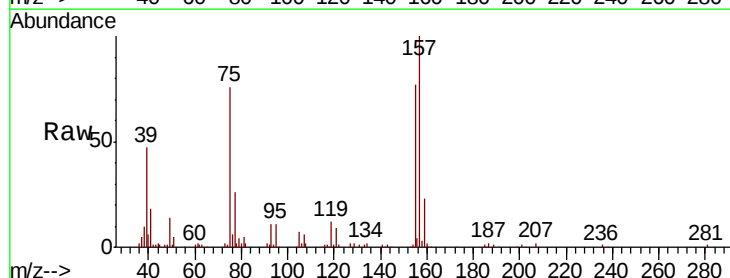
Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Tgt Ion: 75 Resp: 83786

Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.2	144.6
157	125.0	61.2	183.5

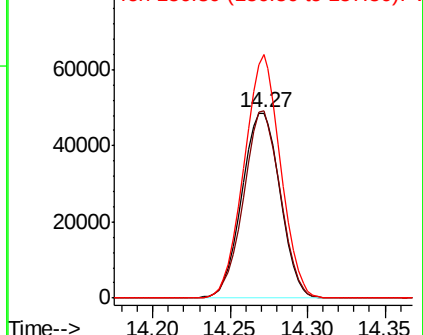
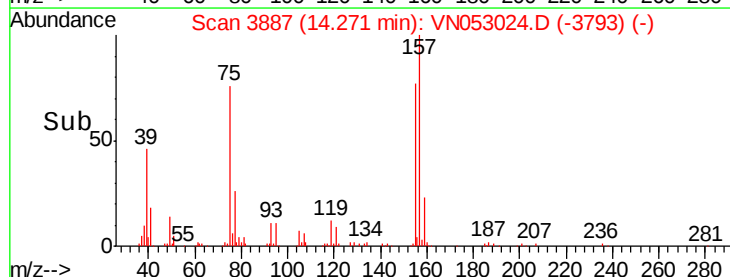


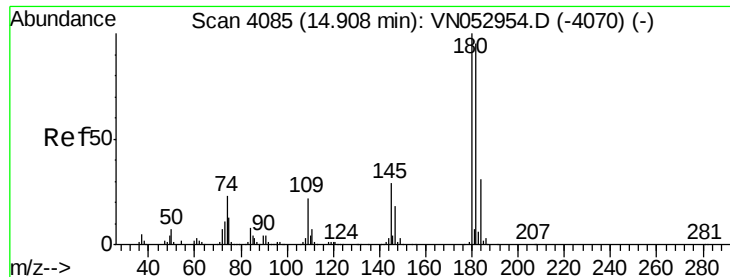
Abundance

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

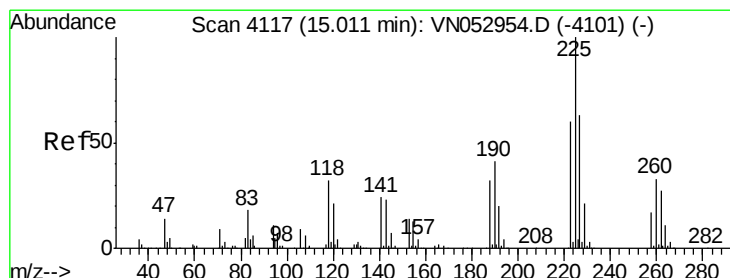
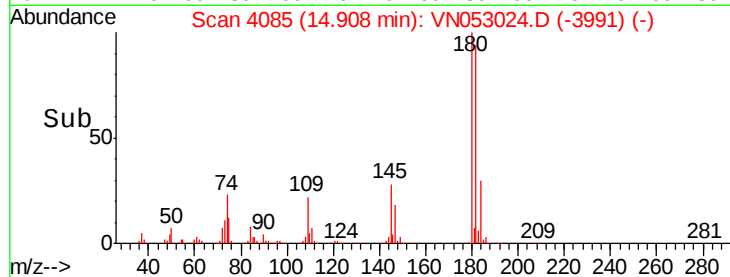
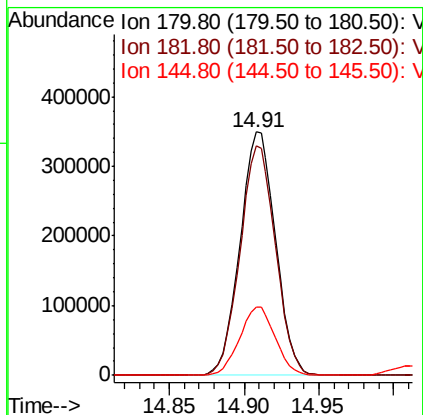
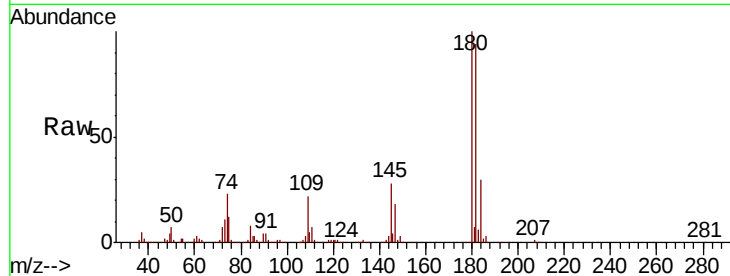




#93
 1,2,4-Trichlorobenzene
 Concen: 49.336 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

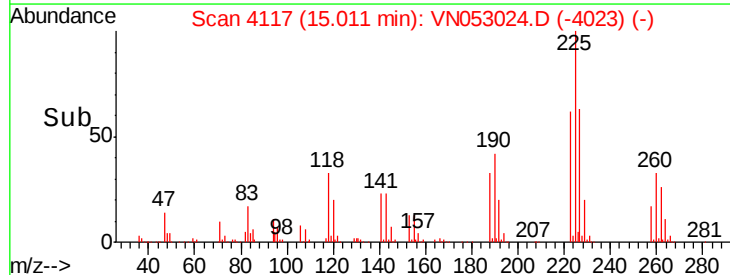
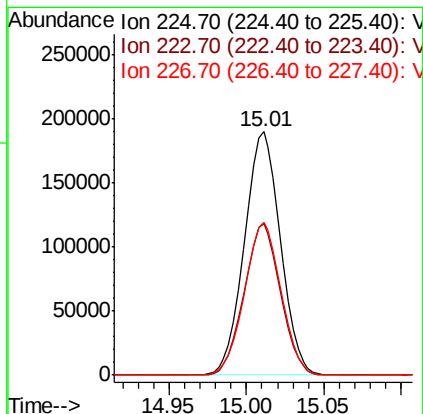
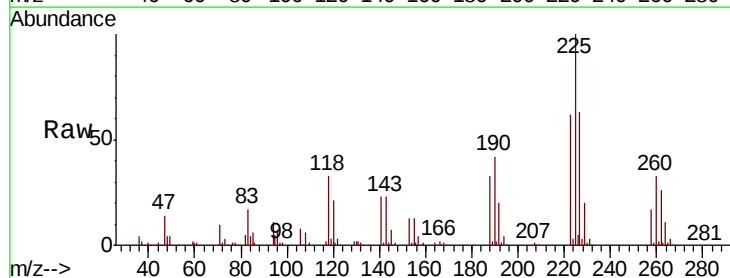
Instrument :
 MSVOA_N
 ClientSampled :

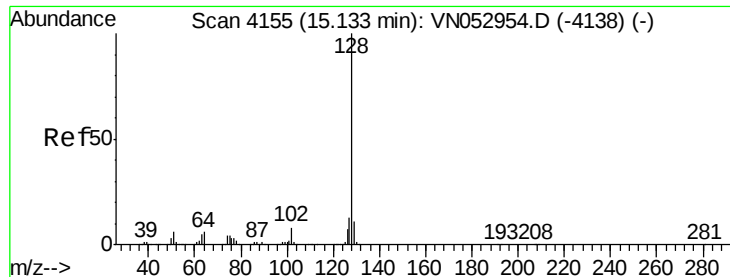
Tot Ion:180 Resp: 576052
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.8 143.3
 145 28.2 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 51.086 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion:225 Resp: 308517
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.5 94.5
 227 63.3 31.9 95.7





#95

Naphthalene

Concen: 49.034 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

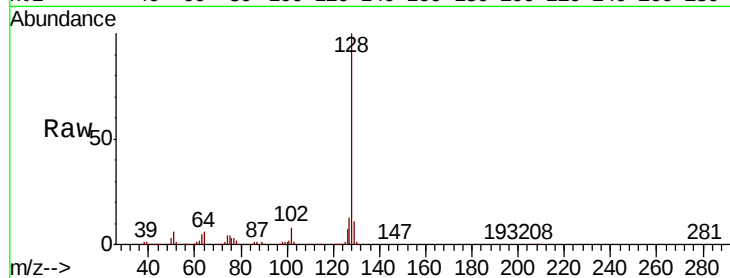
Tot Ion:128 Resp: 1253774

Ion Ratio Lower Upper

128 100

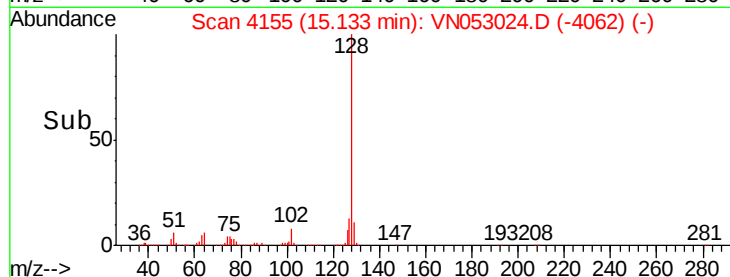
127 12.8 10.2 15.4

129 10.9 8.6 13.0

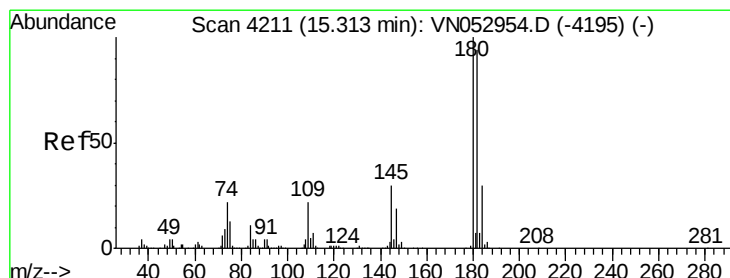


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 49.363 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

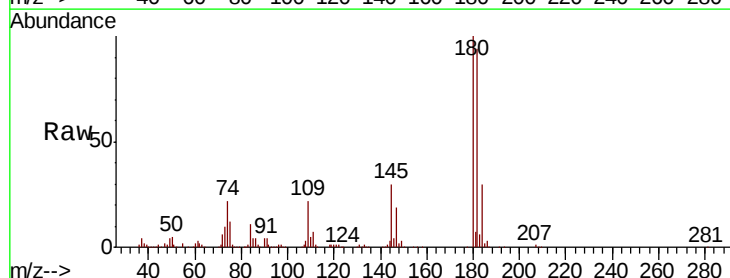
Tgt Ion:180 Resp: 519038

Ion Ratio Lower Upper

180 100

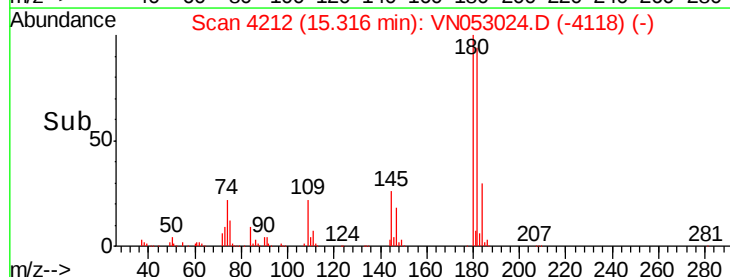
182 95.0 47.9 143.7

145 29.8 15.0 45.0



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

15.32



Time-->