

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
 Data File : VN053040.D
 Acq On : 20 Dec 2018 5:03
 Operator : MD\SY
 Sample : J6411-08MSD
 Misc : 5.77g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 47 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 06:47:42 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	1086603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1672987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1463253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	678815	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	586567	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	7.59	113	466332	61.02	ug/l	0.00
Spiked Amount			Recovery	=	122.04%	
50) Toluene-d8	10.09	98	2112795	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	900562	62.53	ug/l	0.00
Spiked Amount			Recovery	=	125.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	489357	44.498	ug/l	99
3) Chloromethane	2.06	50	621111	46.608	ug/l	100
4) Vinyl Chloride	2.19	62	641632	47.541	ug/l	100
5) Bromomethane	2.56	94	412761	44.142	ug/l	100
6) Chloroethane	2.71	64	372337	46.581	ug/l	99
7) Trichlorofluoromethane	3.02	101	781615	46.488	ug/l	100
8) Diethyl Ether	3.41	74	330748	52.145	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	489249	45.639	ug/l	97
10) Methyl Iodide	3.96	142	746453	49.584	ug/l	99
11) Tert butyl alcohol	4.78	59	170200	252.964	ug/l	99
12) 1,1-Dichloroethene	3.74	96	490887	47.398	ug/l	99
13) Acrolein	3.61	56	185652	304.310	ug/l	99
14) Allyl chloride	4.33	41	819730	51.098	ug/l	94
15) Acrylonitrile	4.99	53	957556	256.178	ug/l	99
16) Acetone	3.81	43	591382	273.530	ug/l	95
17) Carbon Disulfide	4.06	76	1392362	41.224	ug/l	100
18) Methyl Acetate	4.32	43	512084	52.141	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1463943	52.820	ug/l	100
20) Methylene Chloride	4.55	84	583853	49.506	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	538910	48.431	ug/l	98
22) Diisopropyl ether	5.95	45	1814732	52.996	ug/l	96
23) Vinyl Acetate	5.90	43	5142953	261.190	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1029613	50.601	ug/l	100
25) 2-Butanone	6.83	43	985591	271.630	ug/l	98
26) 2,2-Dichloropropane	6.83	77	579400	37.302	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	637316	50.591	ug/l	96
28) Bromochloromethane	7.20	49	471794	53.509	ug/l	94
29) Tetrahydrofuran	7.21	42	697315	257.315	ug/l	97
30) Chloroform	7.37	83	1002644	50.161	ug/l	99
31) Cyclohexane	7.65	56	894272	46.793	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	817930	48.035	ug/l	99
36) 1,1-Dichloropropene	7.79	75	754835	47.007	ug/l	100
37) Ethyl Acetate	6.93	43	479294	53.467	ug/l	99
38) Carbon Tetrachloride	7.78	117	689143	46.822	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	927996	47.573	ug/l	98
40) Benzene	8.04	78	2371694	49.655	ug/l	99
41) Methacrylonitrile	7.17	41	261710	50.528	ug/l	98
42) 1,2-Dichloroethane	8.12	62	705267	49.983	ug/l	98
43) Isopropyl Acetate	8.16	43	891890	51.444	ug/l	98
44) Trichloroethene	8.83	130	658078	47.635	ug/l	97
45) 1,2-Dichloropropane	9.12	63	635657	51.094	ug/l	100
46) Dibromomethane	9.21	93	365439	50.423	ug/l	98
47) Bromodichloromethane	9.40	83	764945	49.653	ug/l	100
48) Methyl methacrylate	9.20	41	448745	51.588	ug/l	99
49) 1,4-Dioxane	9.20	88	98591	896.006	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	2286392	263.374	ug/l	99
52) Toluene	10.16	92	1445941	48.841	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	767755	47.393	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	895837	48.177	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	657786	63.688	ug/l	98
56) Ethyl methacrylate	10.43	69	828935	60.637	ug/l	96
57) 1,3-Dichloropropane	10.71	76	912934	51.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2000984	266.618	ug/l	98
59) 2-Hexanone	10.75	43	1408946	239.881	ug/l	91
60) Dibromochloromethane	10.90	129	576088	48.728	ug/l	99
61) 1,2-Dibromoethane	11.01	107	531997	50.717	ug/l	99
64) Tetrachloroethene	10.63	164	784191	49.475	ug/l	98
65) Chlorobenzene	11.43	112	1587626	48.946	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	565713	50.154	ug/l	100
67) Ethyl Benzene	11.51	91	2685625	48.145	ug/l	99
68) m/p-Xylenes	11.62	106	2062233	97.248	ug/l	100
69) o-Xylene	11.95	106	969726	47.655	ug/l	98
70) Styrene	11.97	104	1610782	48.546	ug/l	99
71) Bromoform	12.13	173	366963	45.034	ug/l #	99
73) Isopropylbenzene	12.25	105	4559672	85.851	ug/l	99
74) N-amyl acetate	12.05	43	3805019	258.044	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.50	83	852057	81.774	ug/l	89
76) 1,2,3-Trichloropropane	12.55	75	718766	62.900	ug/l #	100
77) Bromobenzene	12.53	156	646683	46.841	ug/l	98
78) n-propylbenzene	12.59	91	5475799	90.525	ug/l	99
79) 2-Chlorotoluene	12.68	91	1844442	49.193	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	1875095	43.314	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	146524	41.328	ug/l #	69
82) 4-Chlorotoluene	12.77	91	1652007	45.010	ug/l	93
83) tert-Butylbenzene	12.99	119	2011615	52.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	13055143	299.987	ug/l	99
85) sec-Butylbenzene	13.17	105	5342828	103.171	ug/l	85
86) p-Isopropyltoluene	13.29	119	3195882	71.420	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1021092	41.788	ug/l #	75
88) 1,4-Dichlorobenzene	13.36	146	1033329	41.759	ug/l #	80
89) n-Butylbenzene	13.62	91	3835780	99.639	ug/l #	86
90) Hexachloroethane	13.89	117	655748	95.495	ug/l #	40
91) 1,2-Dichlorobenzene	13.65	146	982853	42.739	ug/l #	74
92) 1,2-Dibromo-3-Chloropropan	14.27	75	90413	50.184	ug/l	83

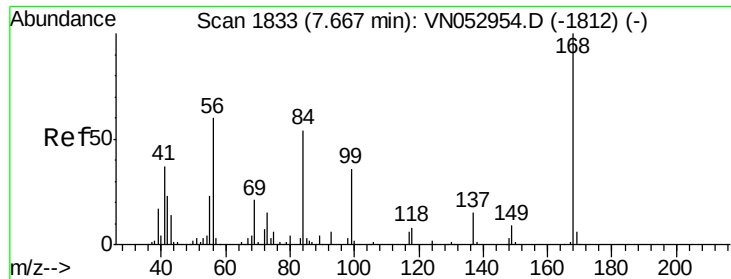
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	620633	50.928	ug/l #	88
94) Hexachlorobutadiene	15.01	225	401832	64.532	ug/l	99
95) Naphthalene	15.13	128	1343237	50.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	566121	51.582	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

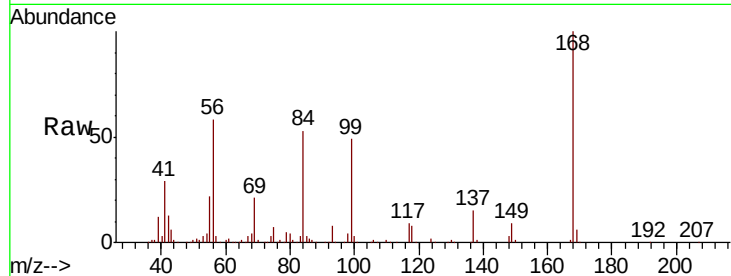
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1086603

Ion Ratio Lower Upper

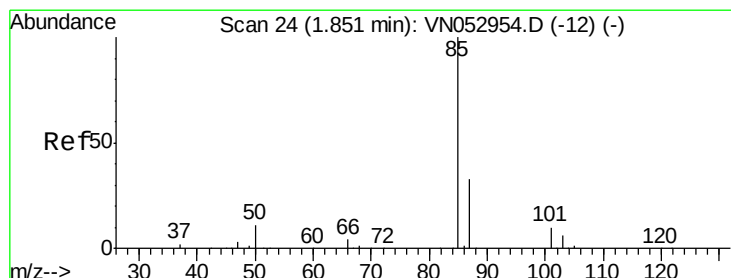
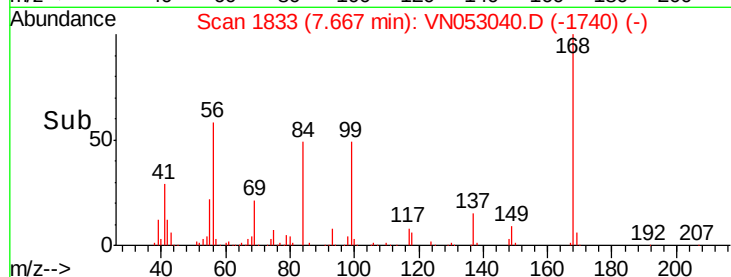
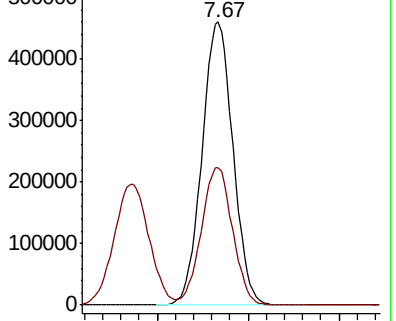
168 100

99 48.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.498 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053040.D

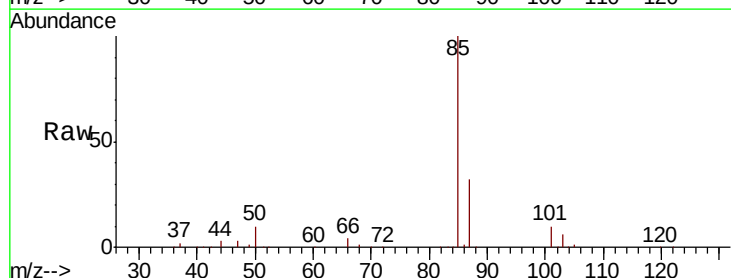
Acq: 20 Dec 2018 5:03

Tgt Ion: 85 Resp: 489357

Ion Ratio Lower Upper

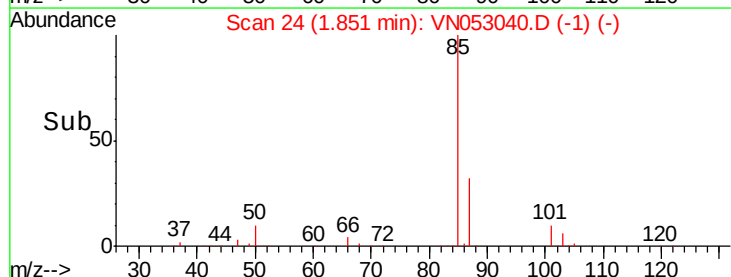
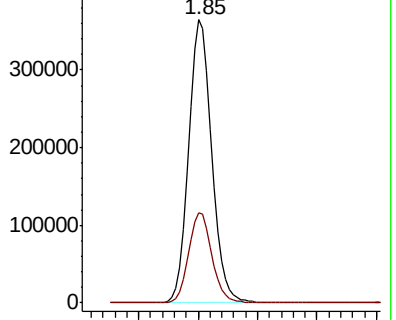
85 100

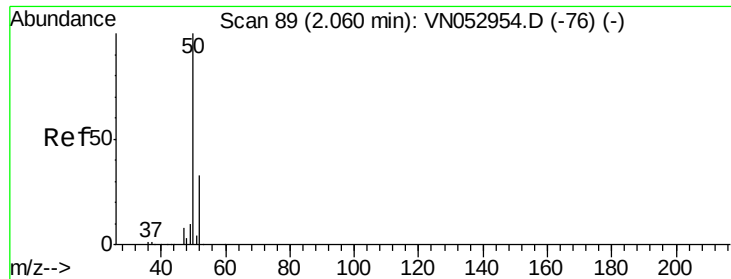
87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.608 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

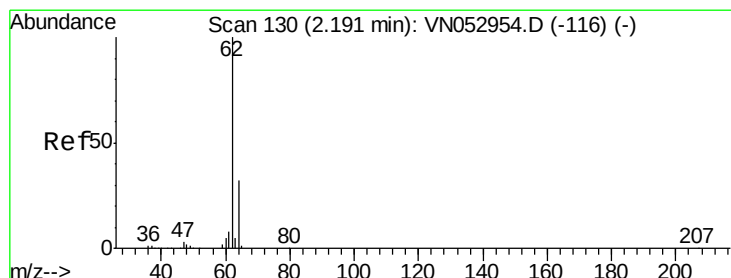
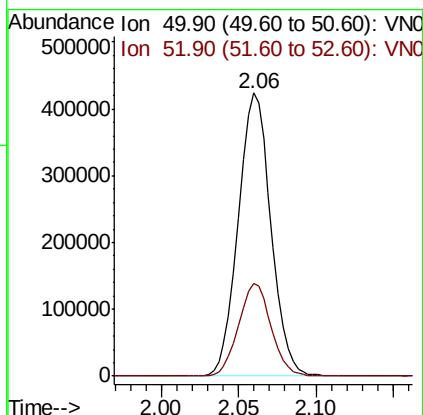
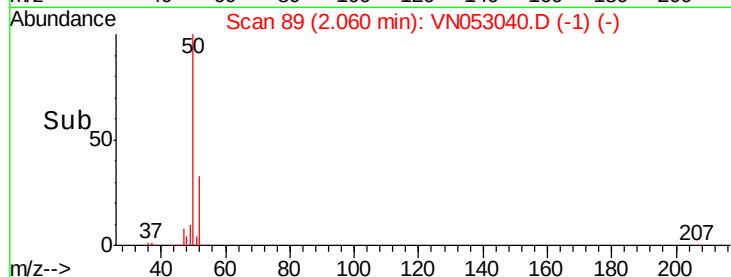
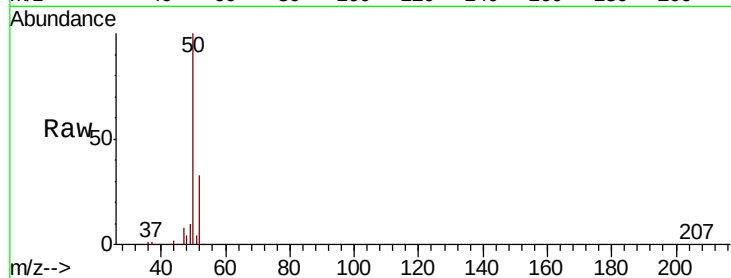
ClientSampleId :

Tot Ion: 50 Resp: 621111

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 47.541 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053040.D

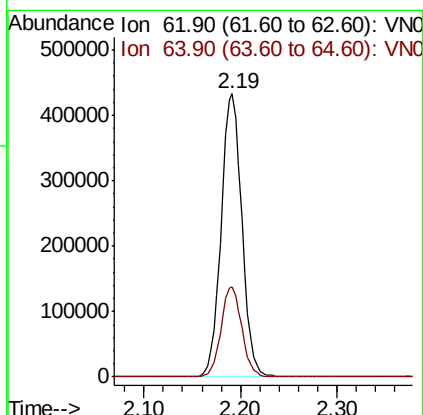
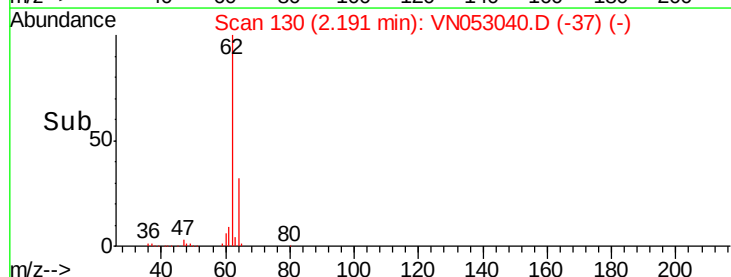
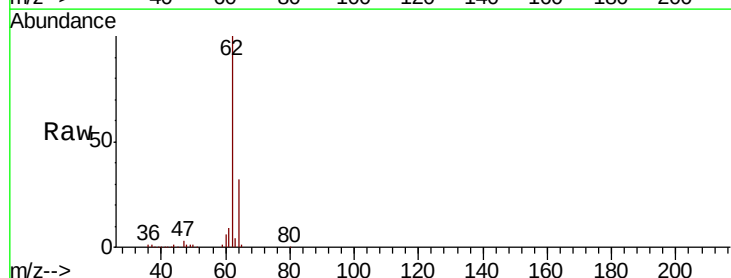
Acq: 20 Dec 2018 5:03

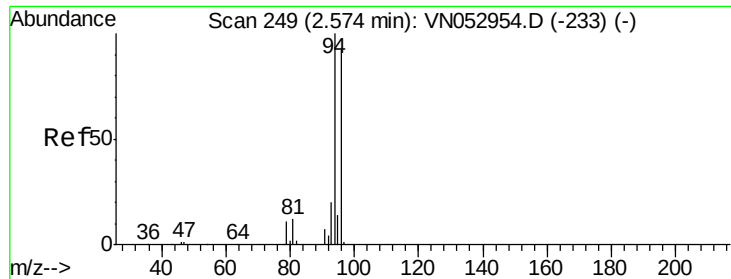
Tgt Ion: 62 Resp: 641632

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 44.142 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

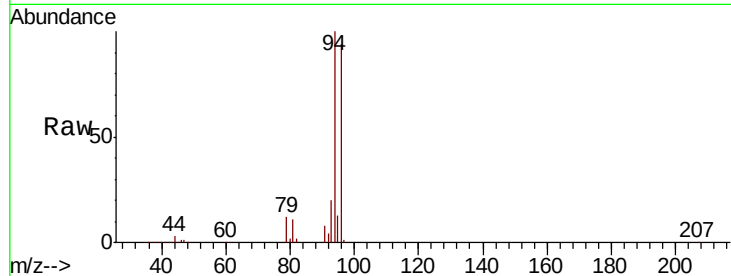
ClientSampled :

Tot Ion: 94 Resp: 412761

Ion Ratio Lower Upper

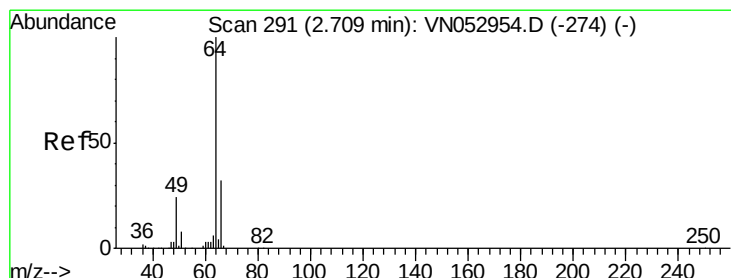
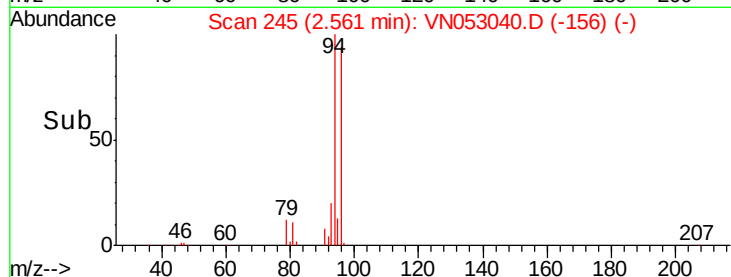
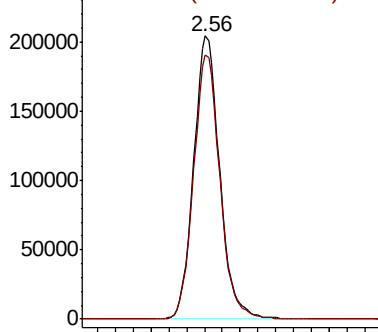
94 100

96 93.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.581 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053040.D

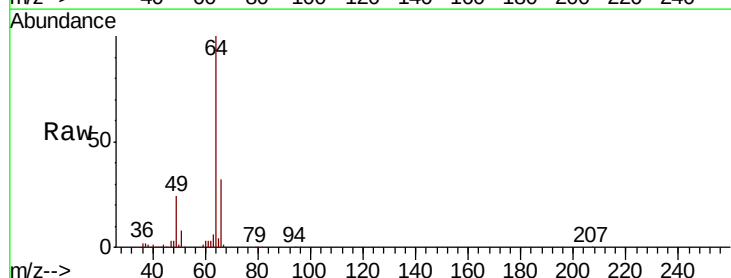
Acq: 20 Dec 2018 5:03

Tgt Ion: 64 Resp: 372337

Ion Ratio Lower Upper

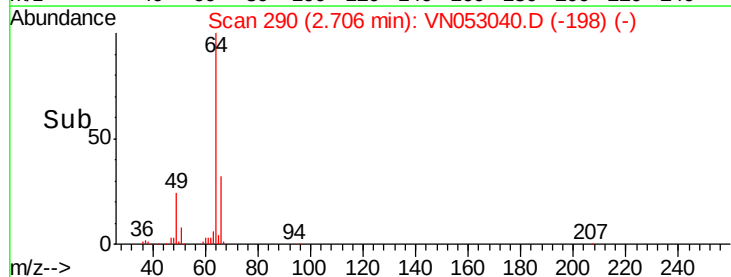
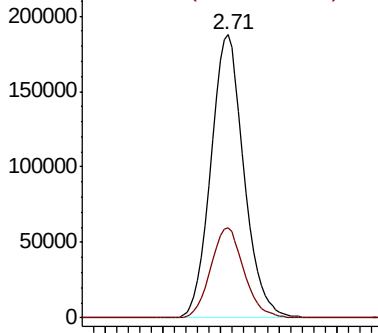
64 100

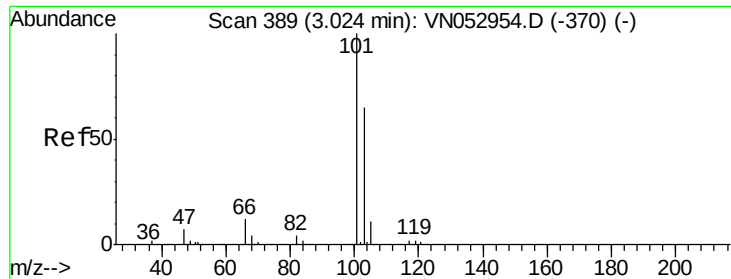
66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



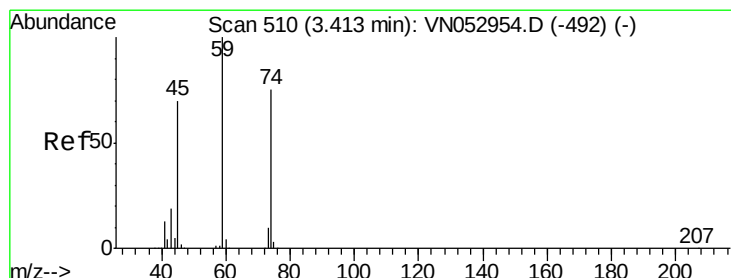
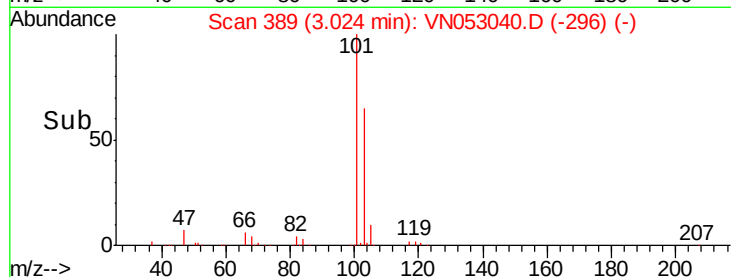
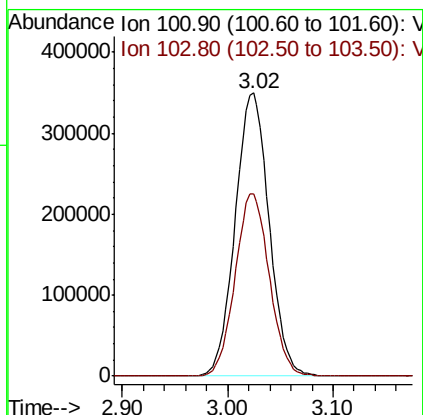
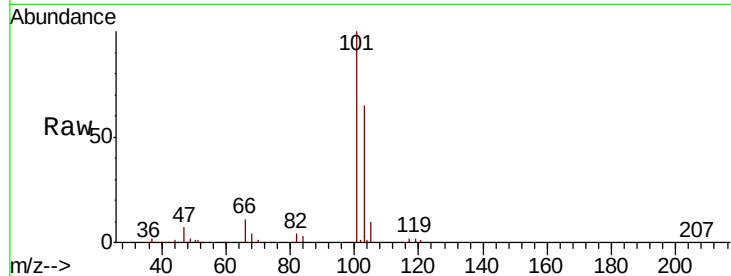


#7

Trichlorofluoromethane
 Concen: 46.488 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Instrument :
 MSVOA_N
 ClientSampleId :

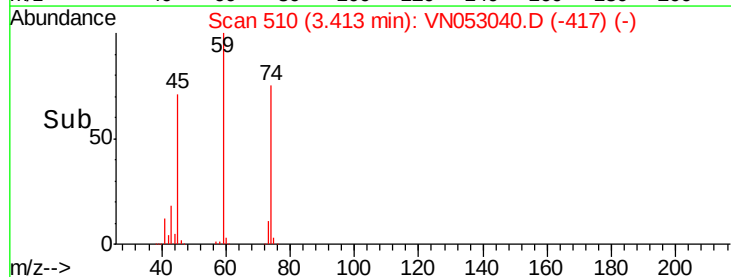
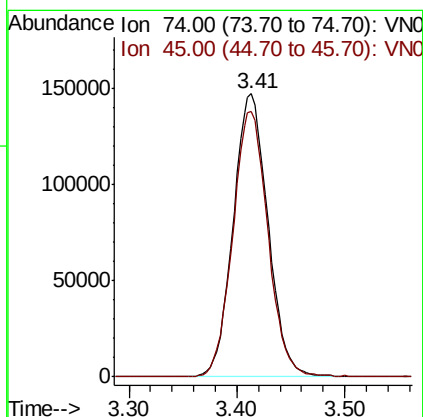
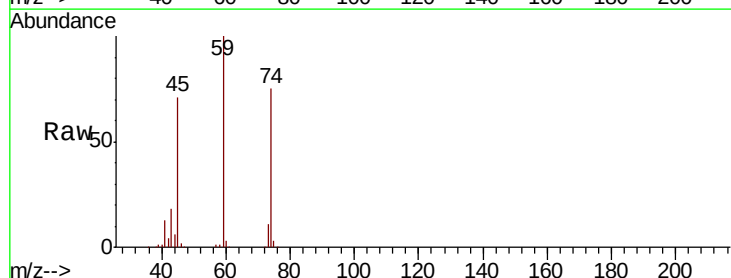
Tot Ion:101 Resp: 781615
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.6

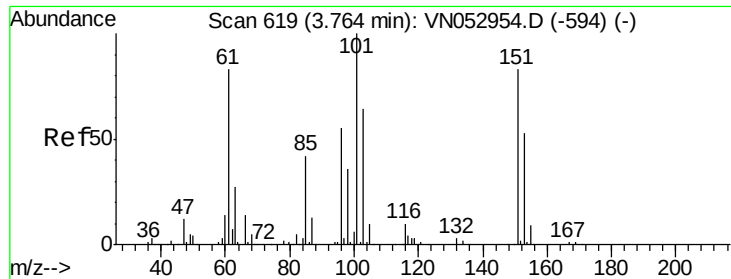


#8

Diethyl Ether
 Concen: 52.145 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion: 74 Resp: 330748
 Ion Ratio Lower Upper
 74 100
 45 94.2 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.639 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampled :

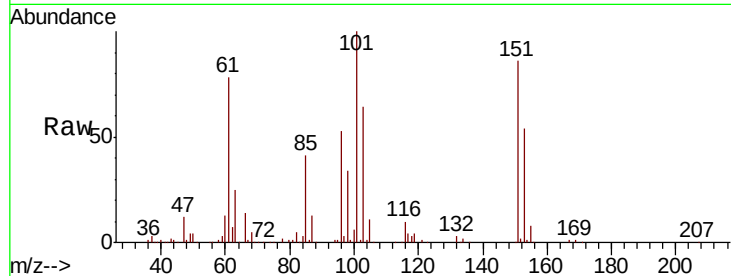
Tot Ion:101 Resp: 489249

Ion Ratio Lower Upper

101 100

85 41.6 33.6 50.4

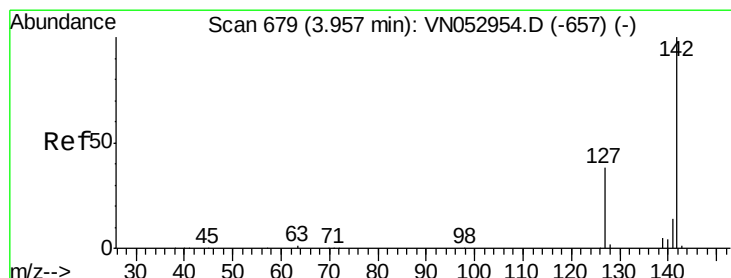
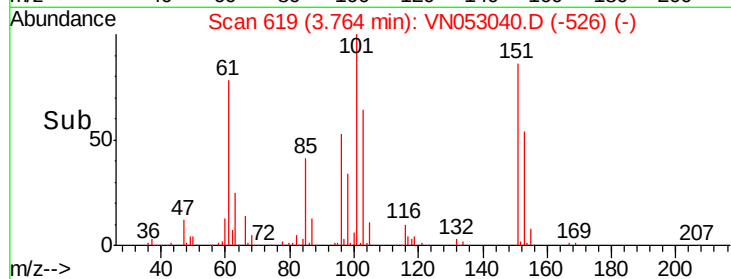
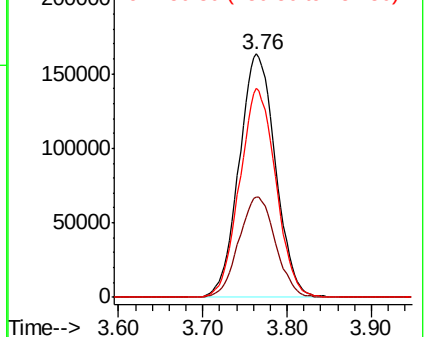
151 85.4 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.584 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

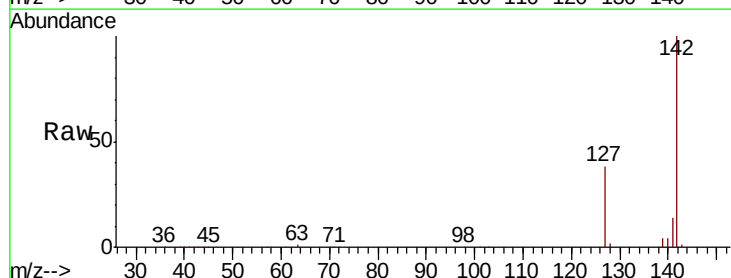
Tgt Ion:142 Resp: 746453

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.6

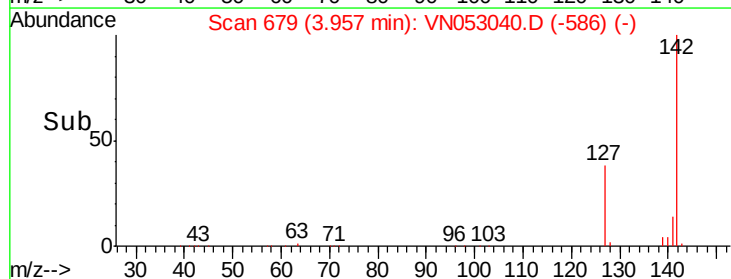
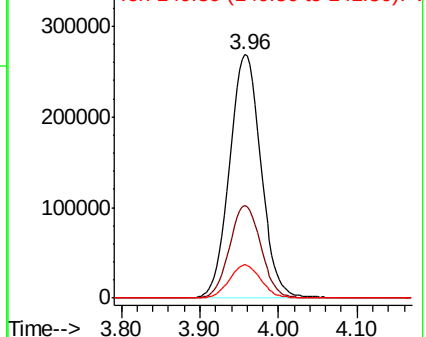
141 13.8 11.2 16.8

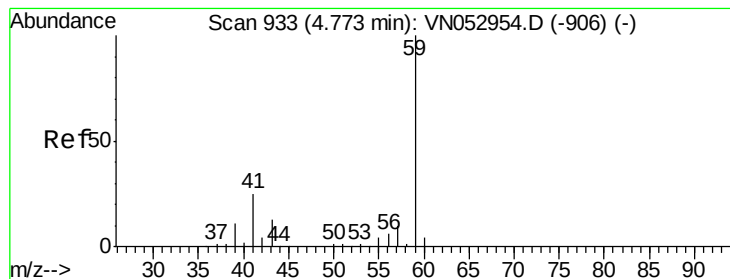


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



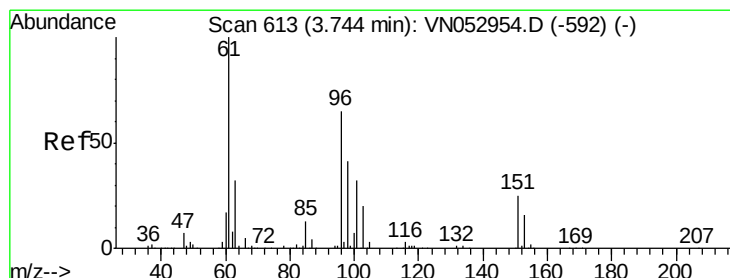
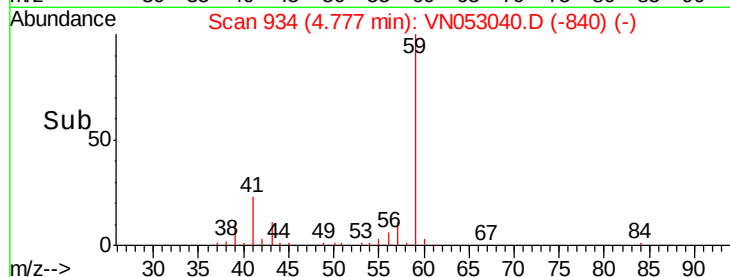
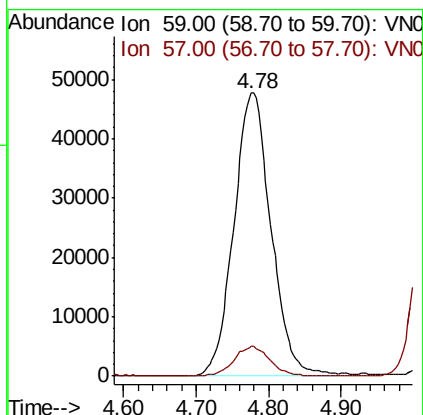
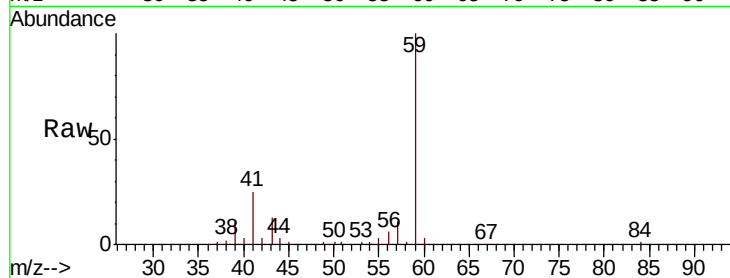


#11

Tert butyl alcohol
 Concen: 252.964 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Instrument :
 MSVOA_N
 ClientSampled :

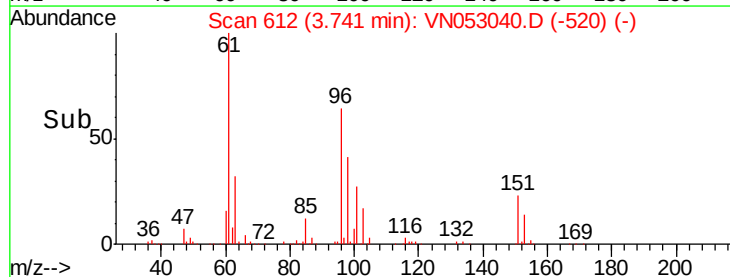
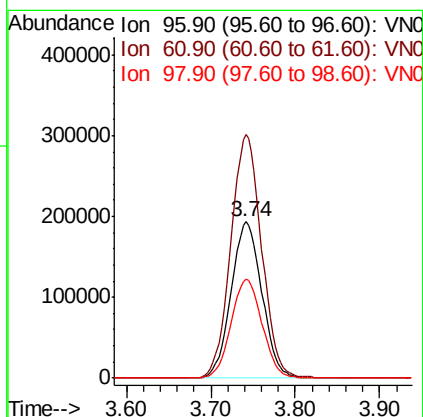
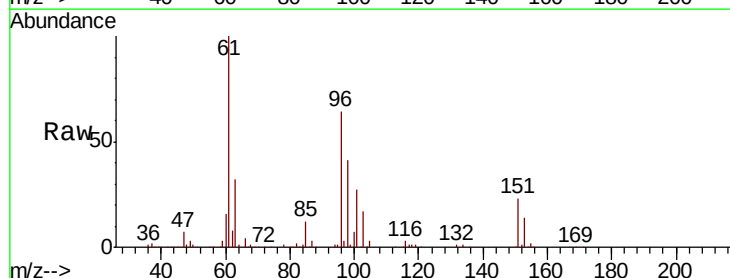
Tot Ion: 59 Resp: 170200
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.7 11.5

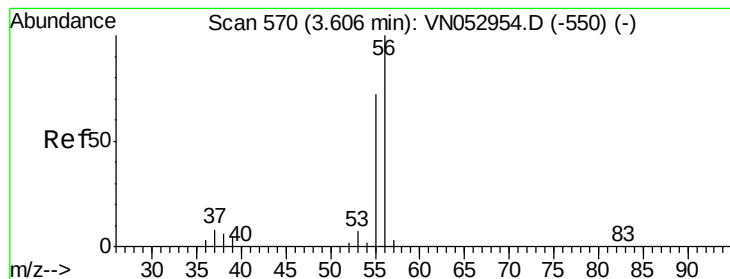


#12

1,1-Dichloroethene
 Concen: 47.398 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion: 96 Resp: 490887
 Ion Ratio Lower Upper
 96 100
 61 156.0 125.6 188.4
 98 63.6 50.6 75.8





#13

Acrolein

Concen: 304.310 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

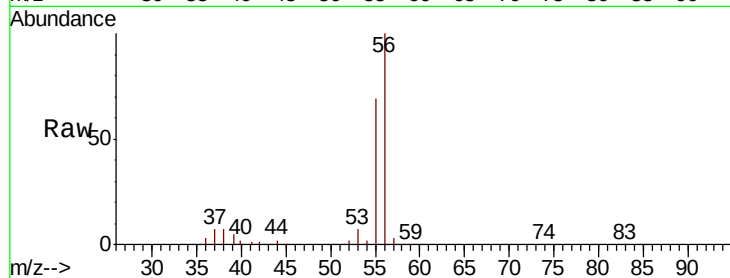
ClientSampleId :

Tot Ion: 56 Resp: 185652

Ion Ratio Lower Upper

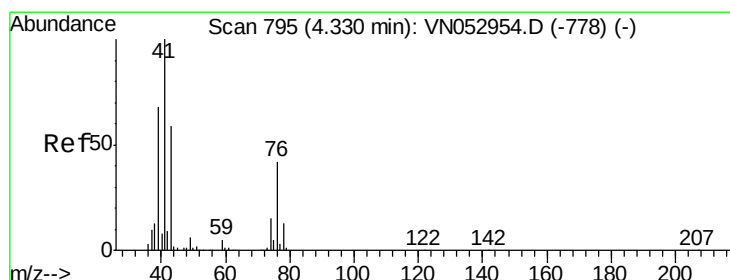
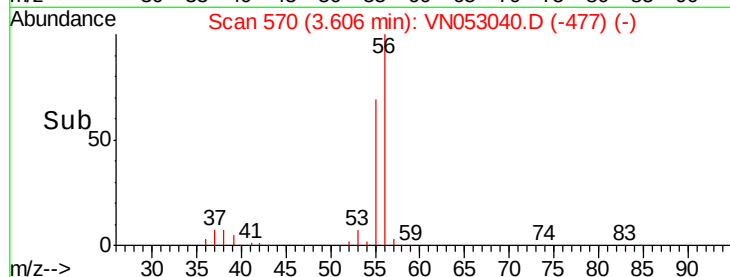
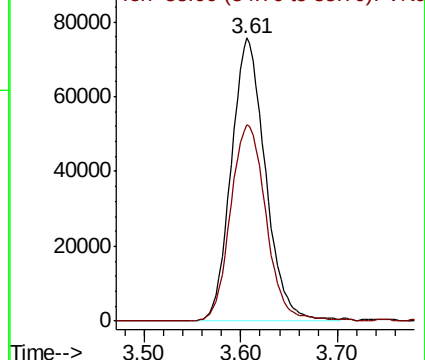
56 100

55 72.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.098 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

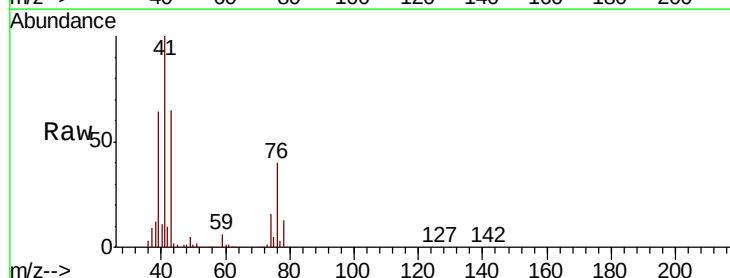
Tgt Ion: 41 Resp: 819730

Ion Ratio Lower Upper

41 100

39 61.1 54.1 81.1

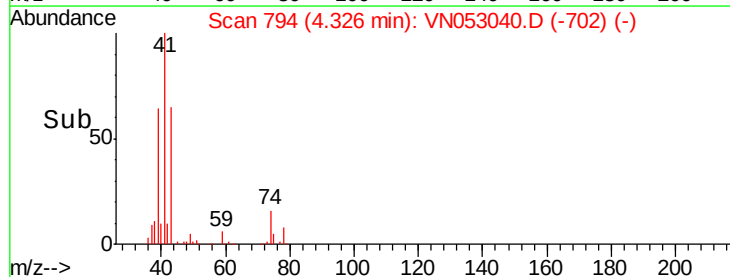
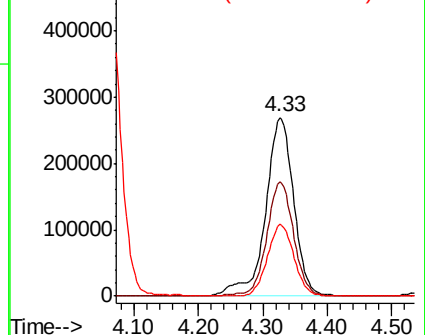
76 37.3 30.3 45.5

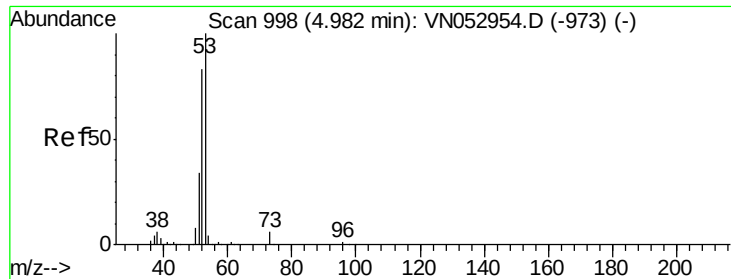


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 256.178 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :
MSVOA_N
ClientSampleId :

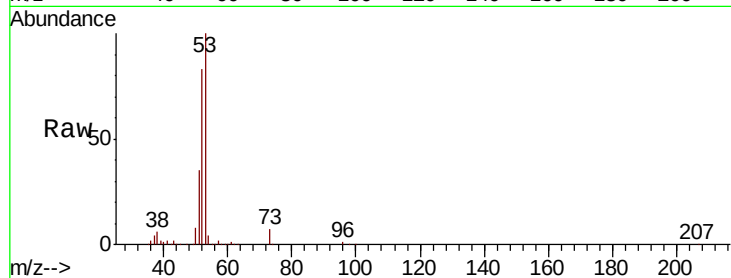
Tot Ion: 53 Resp: 957556

Ion Ratio Lower Upper

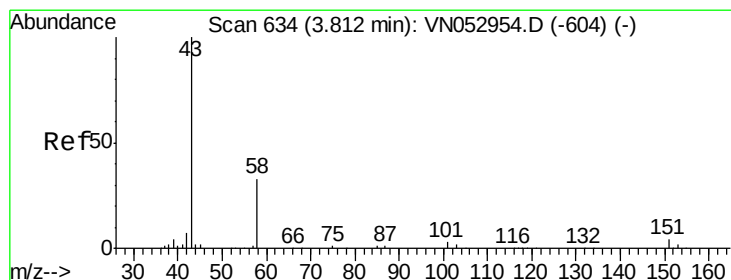
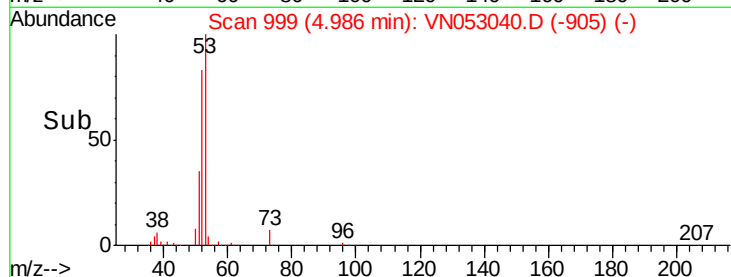
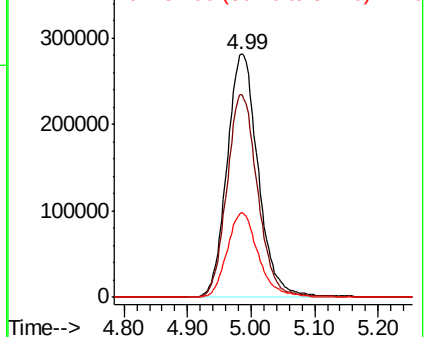
53 100

52 82.4 65.1 97.7

51 35.1 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 273.530 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053040.D

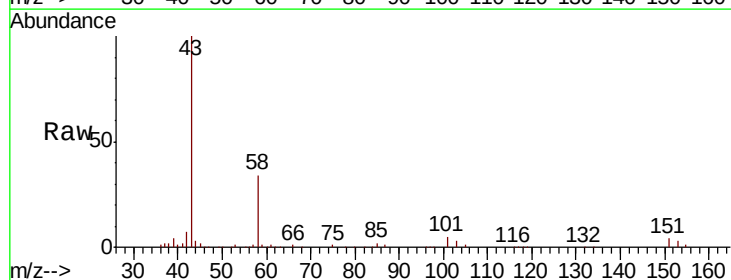
Acq: 20 Dec 2018 5:03

Tgt Ion: 43 Resp: 591382

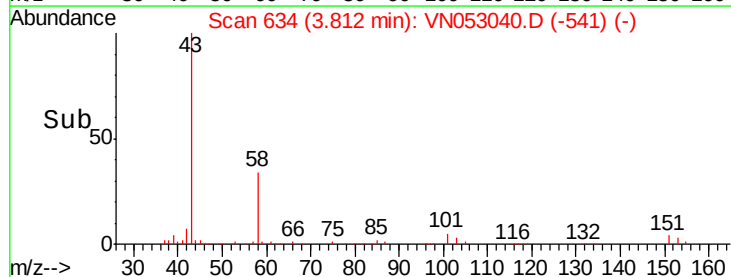
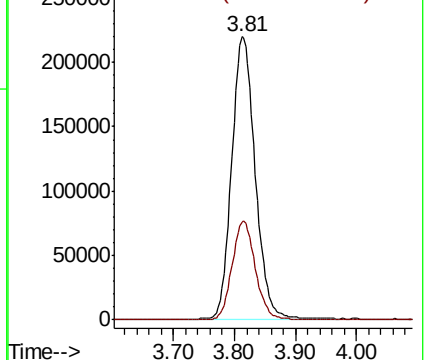
Ion Ratio Lower Upper

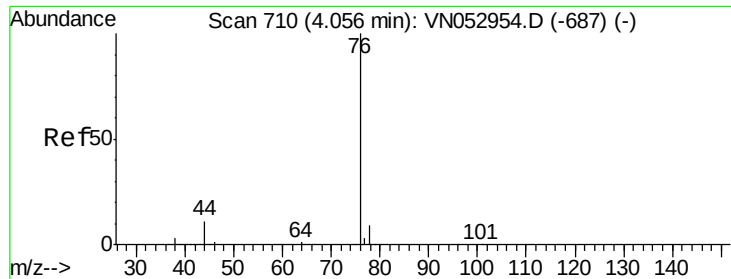
43 100

58 34.5 25.4 38.0



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





#17

Carbon Disulfide

Concen: 41.224 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

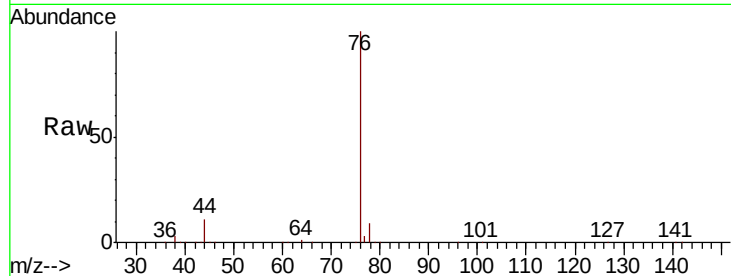
ClientSampled :

Tot Ion: 76 Resp: 1392362

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN053040.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053040.D (-617) (-)

4.06

600000

500000

400000

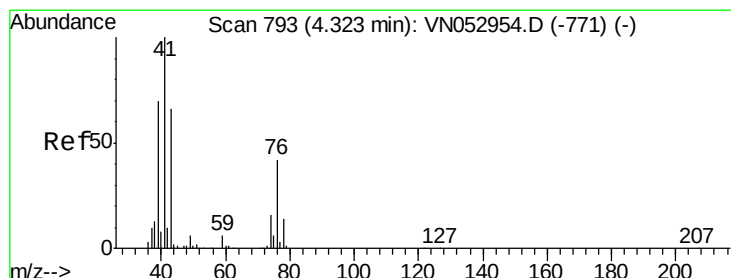
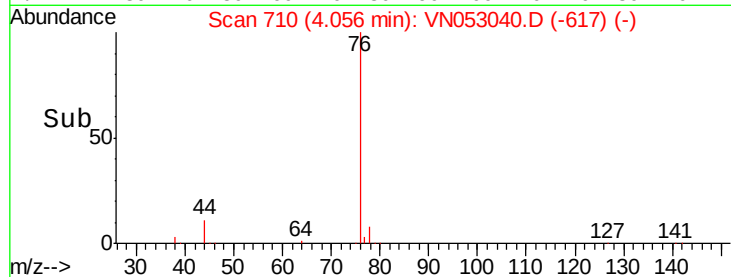
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 52.141 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053040.D

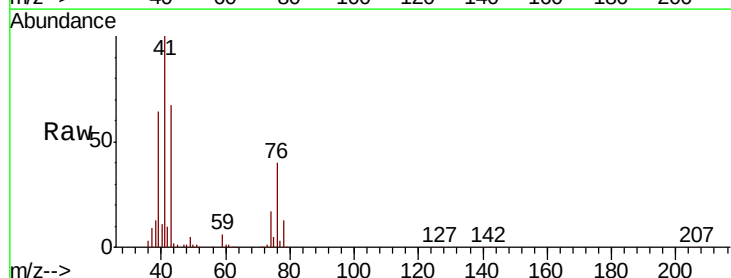
Acq: 20 Dec 2018 5:03

Tgt Ion: 43 Resp: 512084

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN053040.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053040.D (-700) (-)

4.32

200000

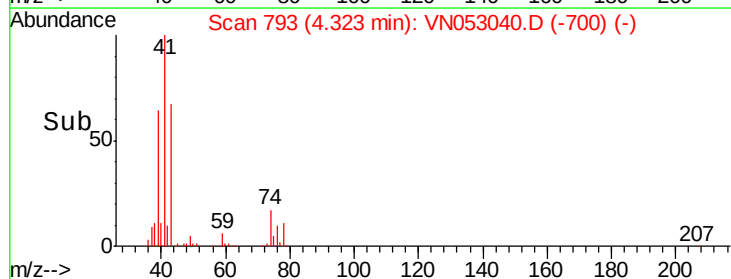
150000

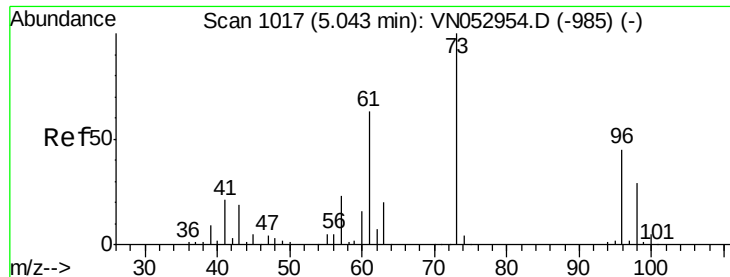
100000

50000

0

Time--> 4.20 4.30 4.40 4.50



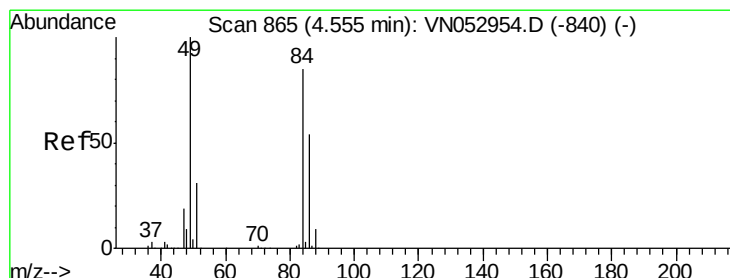
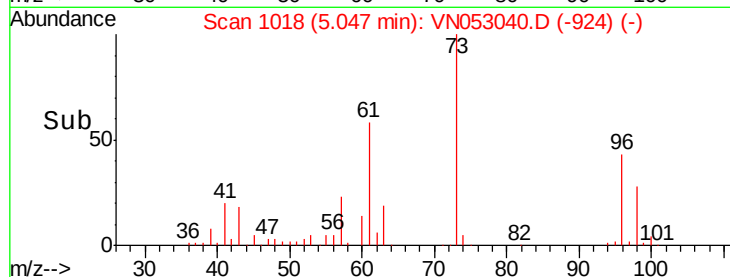
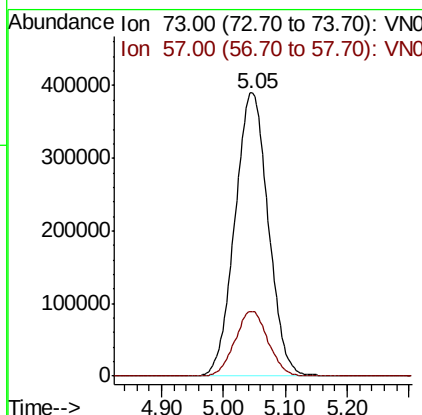
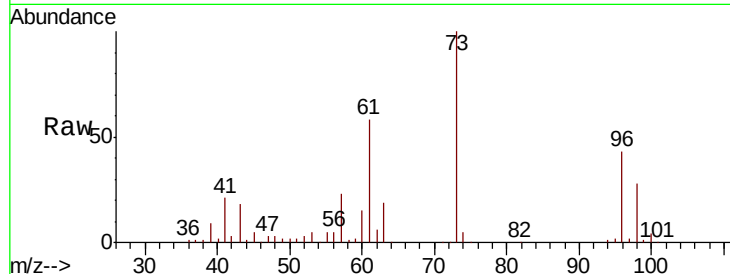


#19

Methyl tert-butyl Ether
 Concen: 52.820 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Instrument :
 MSVOA_N
 ClientSampled :

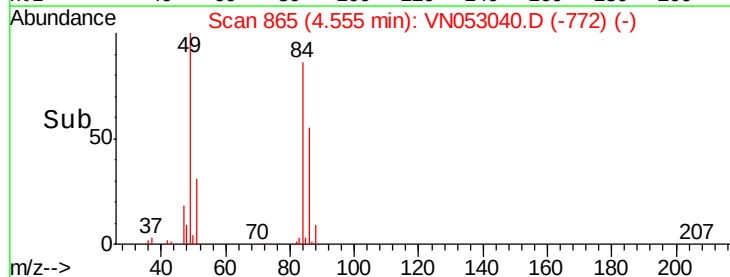
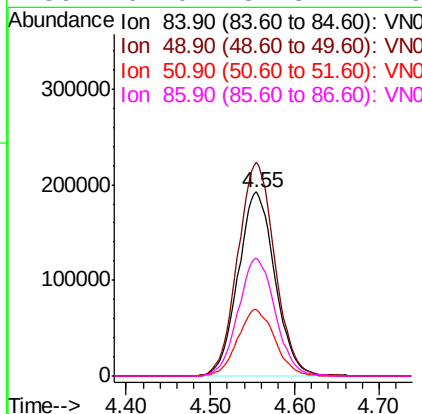
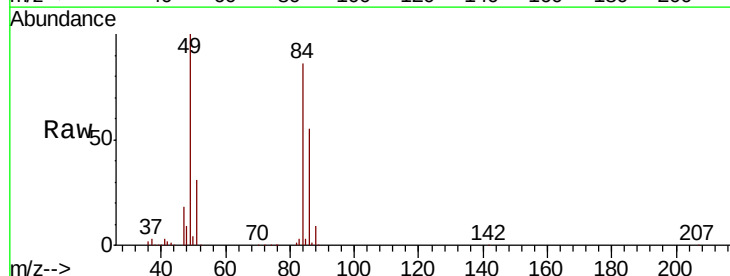
Tot Ion: 73 Resp: 1463943
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.4 27.6

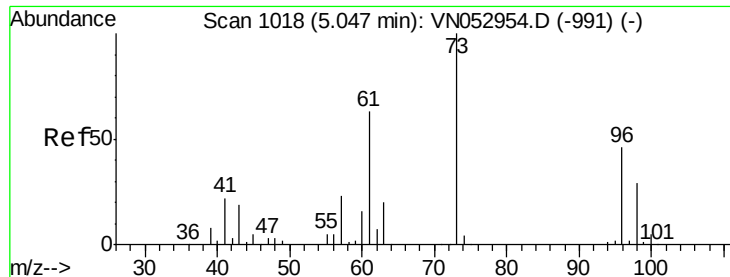


#20

Methylene Chloride
 Concen: 49.506 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion: 84 Resp: 583853
 Ion Ratio Lower Upper
 84 100
 49 116.1 96.8 145.2
 51 36.2 29.9 44.9
 86 64.0 51.8 77.6

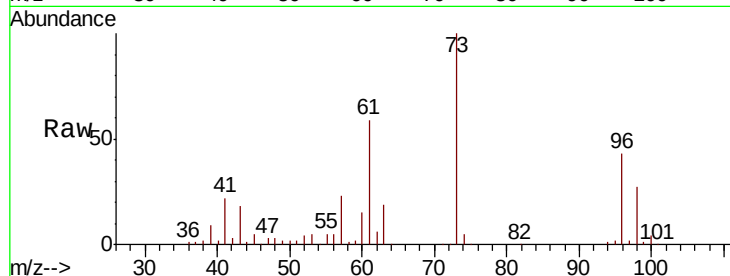




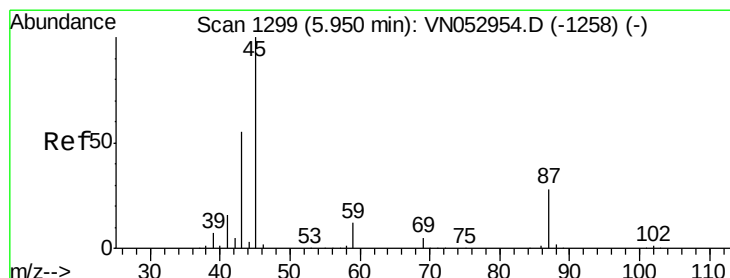
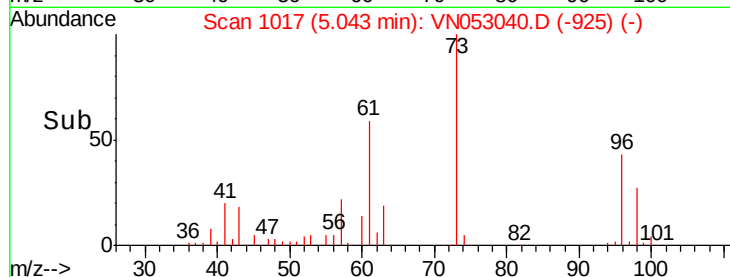
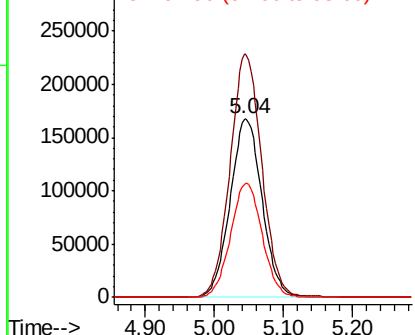
#21
trans-1,2-Dichloroethene
Concen: 48.431 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 538910
Ion Ratio Lower Upper
96 100
61 136.2 110.8 166.2
98 63.6 51.4 77.2

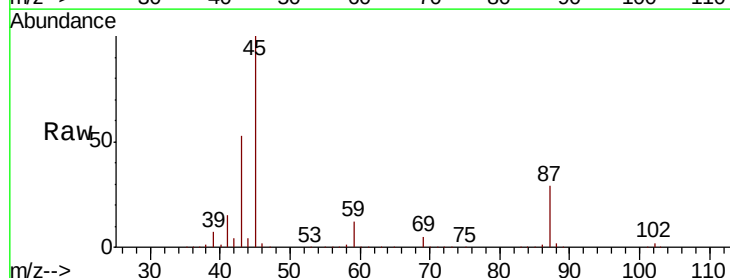


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

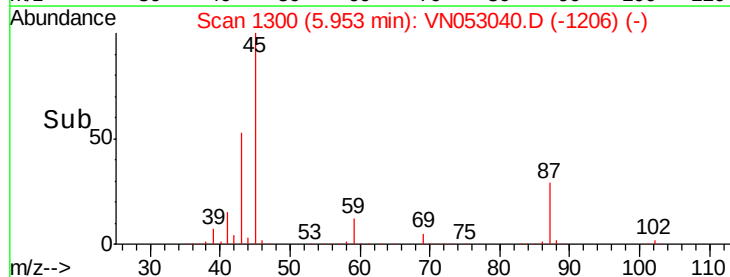
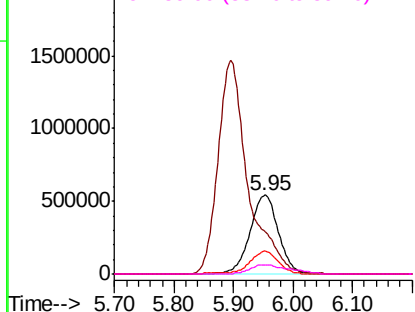


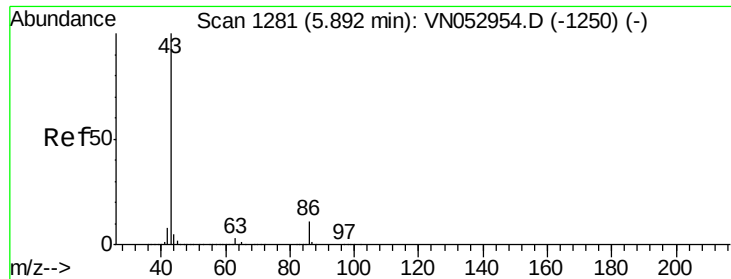
#22
Diisopropyl ether
Concen: 52.996 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion: 45 Resp: 1814732
Ion Ratio Lower Upper
45 100
43 52.6 45.5 68.3
87 28.5 22.0 33.0
59 12.1 9.4 14.0



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





#23

Vinyl Acetate

Concen: 261.190 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

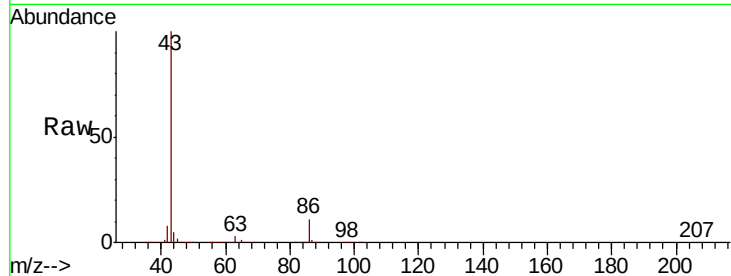
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 5142953

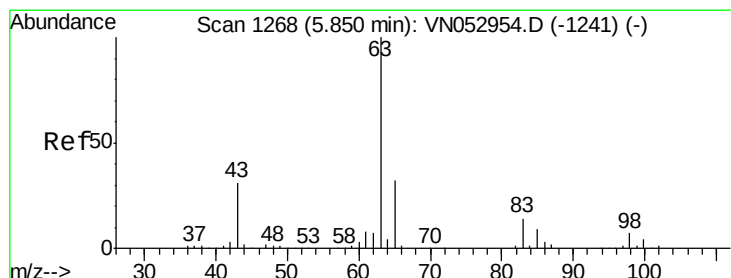
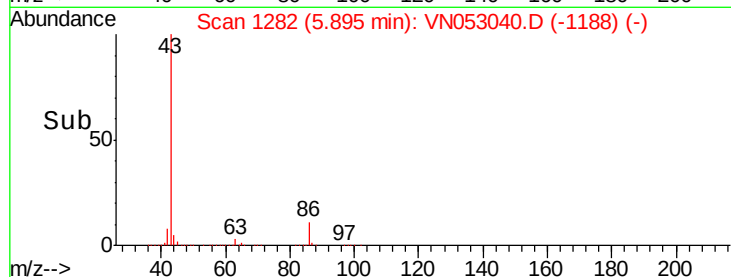
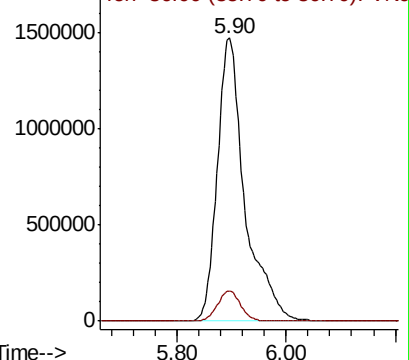
Ion Ratio Lower Upper

43 100

86 10.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053040.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 50.601 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

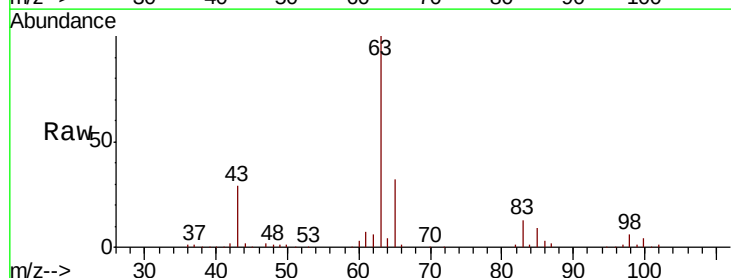
Tgt Ion: 63 Resp: 1029613

Ion Ratio Lower Upper

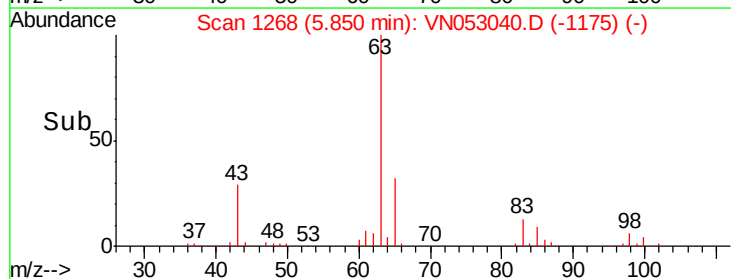
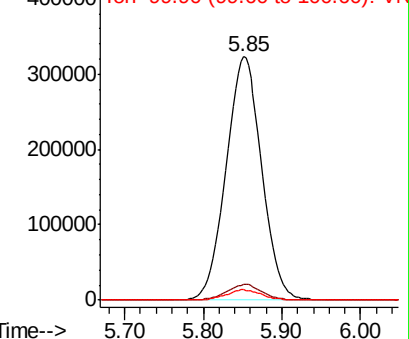
63 100

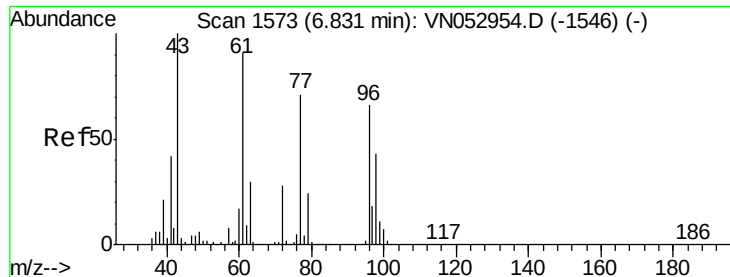
98 6.3 3.1 9.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053040.D (-1175) (-)





#25

2-Butanone

Concen: 271.630 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

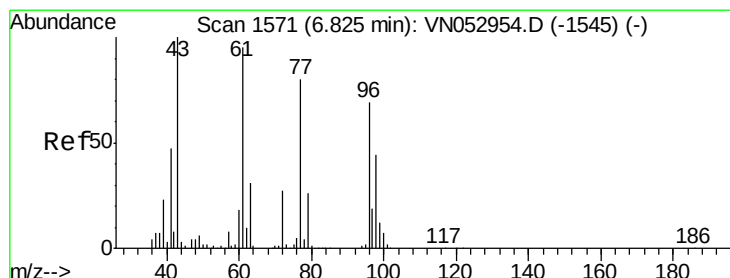
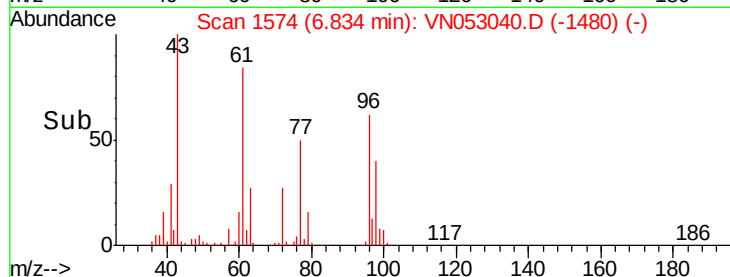
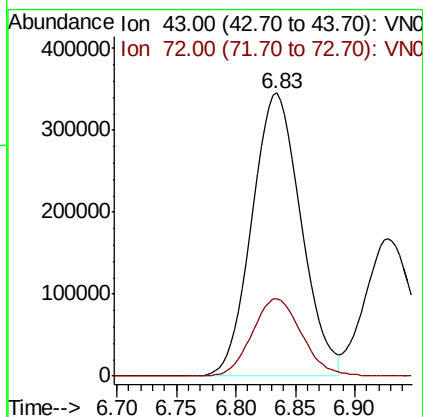
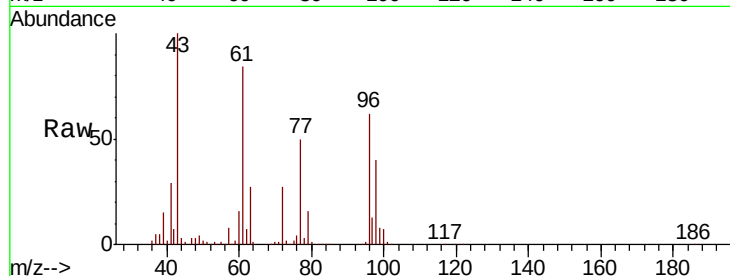
ClientSampleId :

Tot Ion: 43 Resp: 985591

Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 37.302 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053040.D

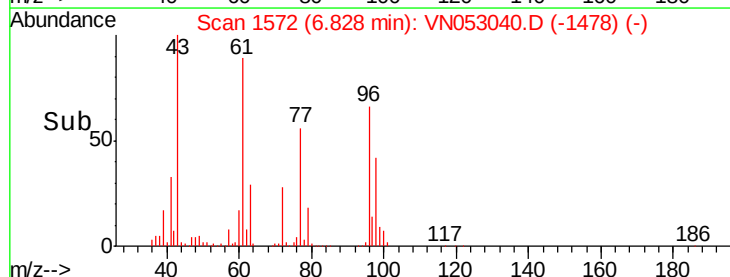
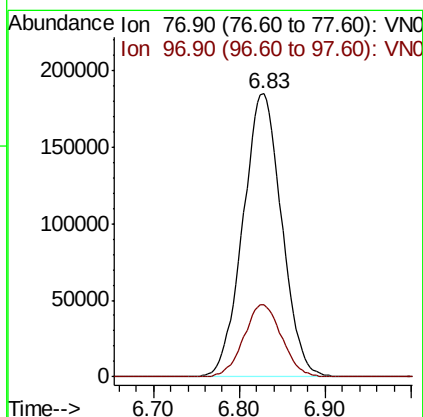
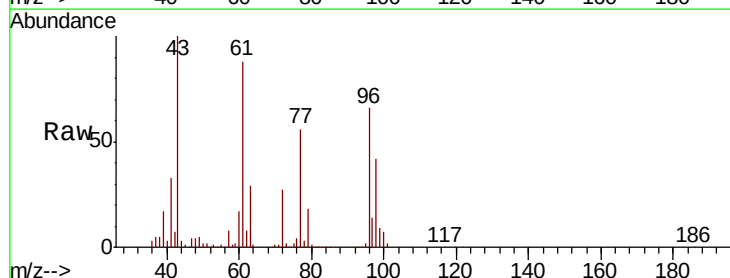
Acq: 20 Dec 2018 5:03

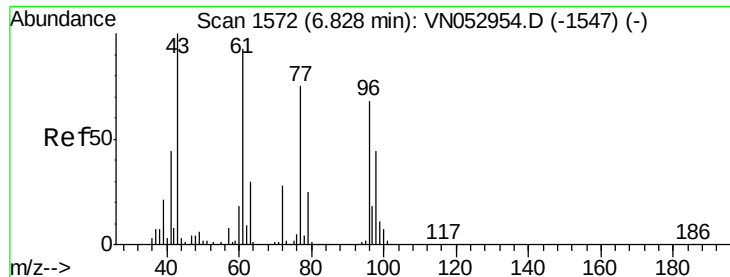
Tgt Ion: 77 Resp: 579400

Ion Ratio Lower Upper

77 100

97 25.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.591 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampleId :

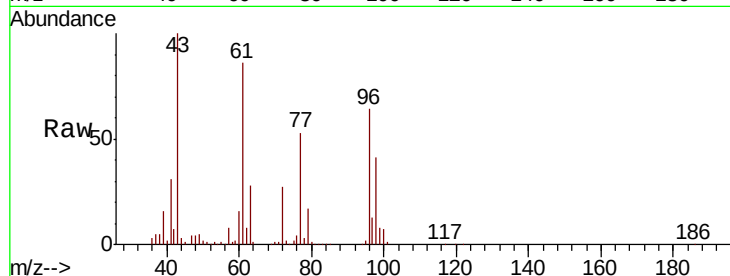
Tot Ion: 96 Resp: 637316

Ion Ratio Lower Upper

96 100

61 135.4 0.0 284.2

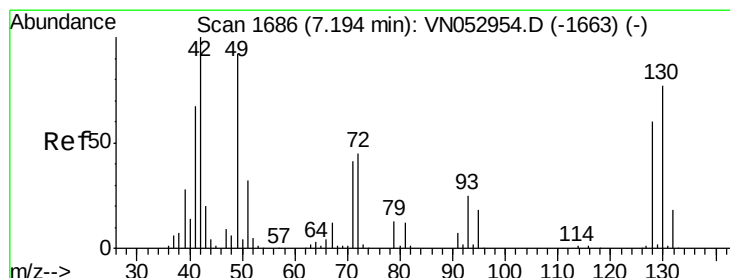
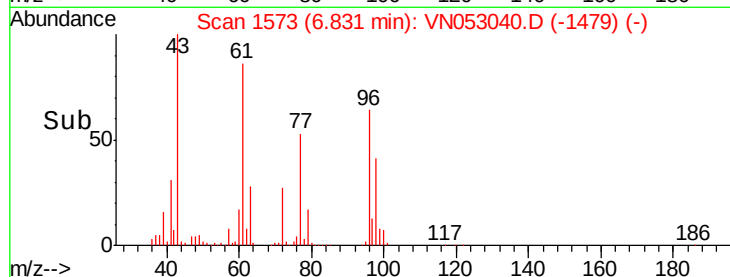
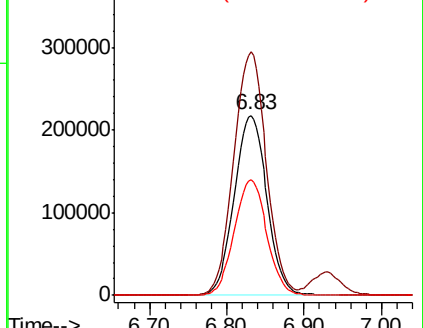
98 64.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053040.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053040.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053040.D (-1479) (-)



#28

Bromochloromethane

Concen: 53.509 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

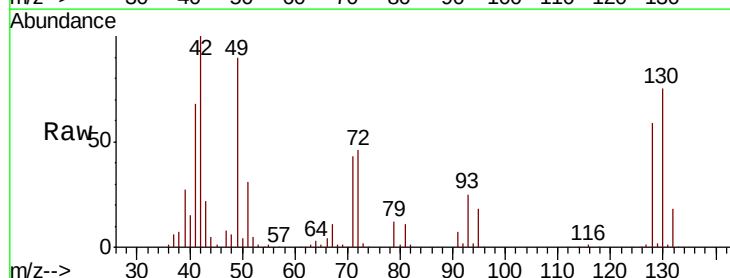
Tgt Ion: 49 Resp: 471794

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

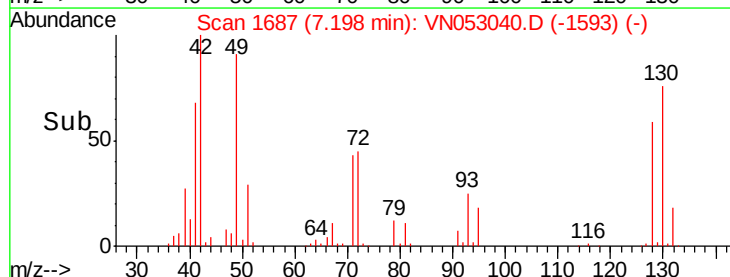
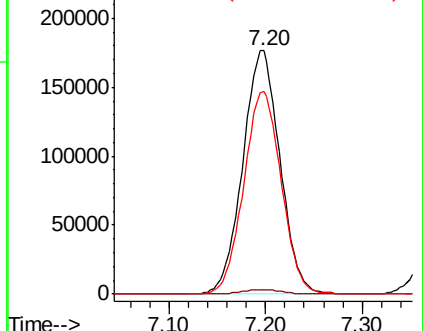
130 84.3 63.3 94.9

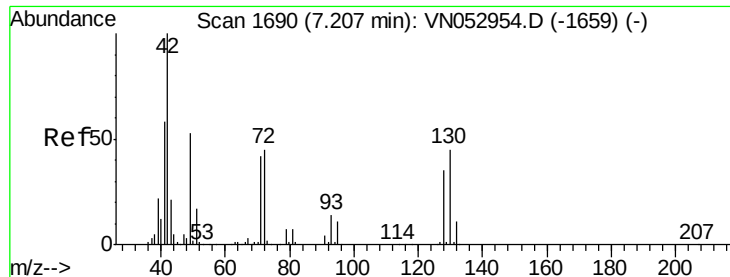


Abundance Ion 48.90 (48.60 to 49.60): VN053040.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053040.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053040.D (-1593) (-)

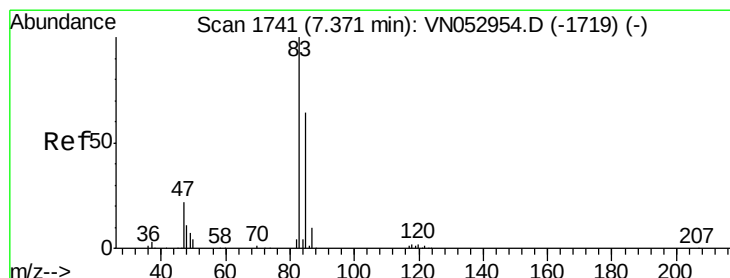
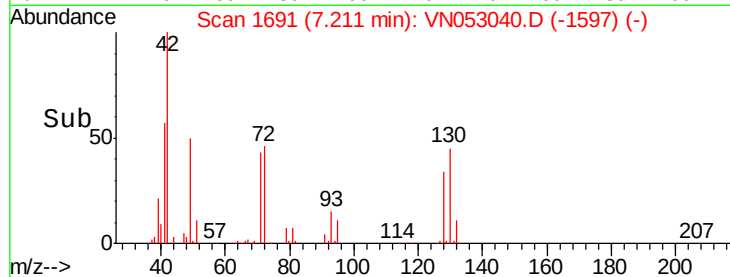
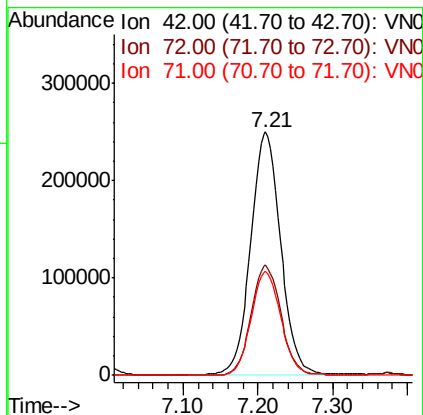
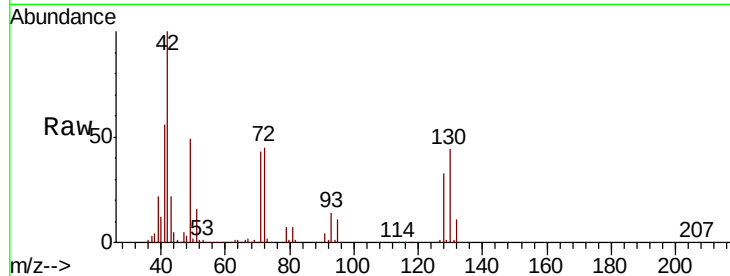




#29
Tetrahydrofuran
Concen: 257.315 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

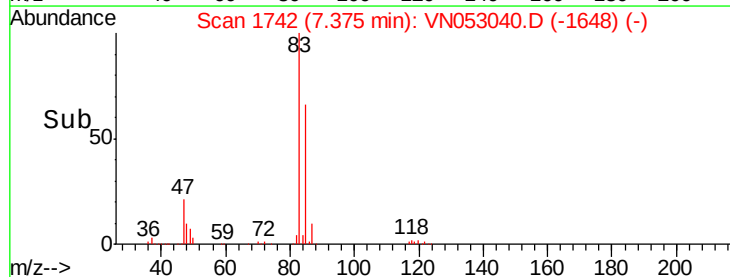
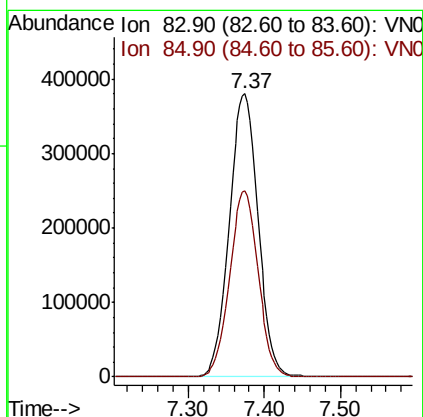
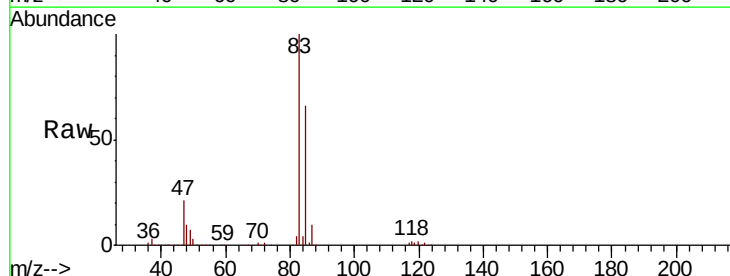
Instrument :
MSVOA_N
ClientSampled :

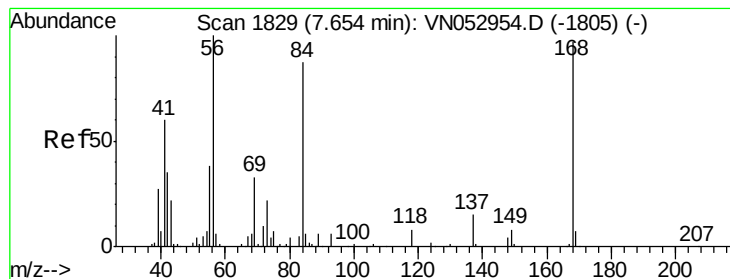
Tot Ion: 42 Resp: 697315
Ion Ratio Lower Upper
42 100
72 45.1 34.7 52.1
71 42.6 32.3 48.5



#30
Chloroform
Concen: 50.161 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion: 83 Resp: 1002644
Ion Ratio Lower Upper
83 100
85 65.8 52.1 78.1





#31

Cyclohexane

Concen: 46.793 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampled :

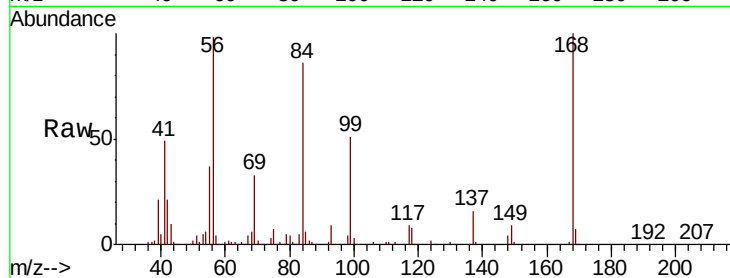
Tot Ion: 56 Resp: 894272

Ion Ratio Lower Upper

56 100

69 33.2 26.6 39.8

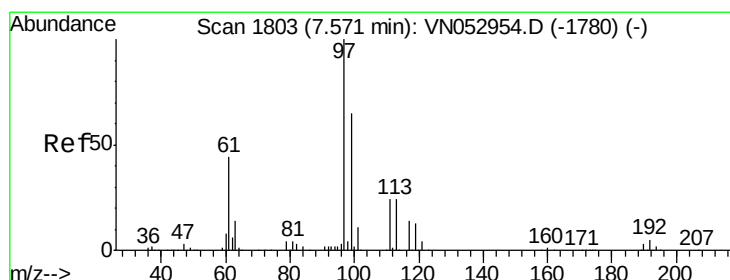
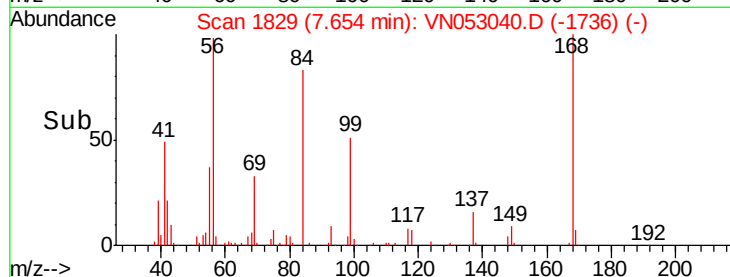
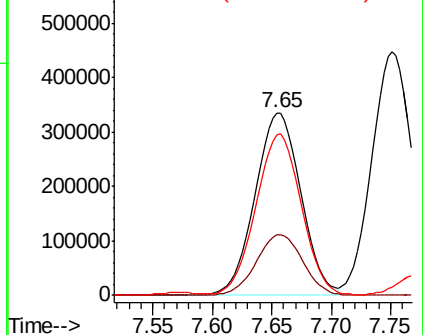
84 86.6 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053040.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053040.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053040.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 48.035 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

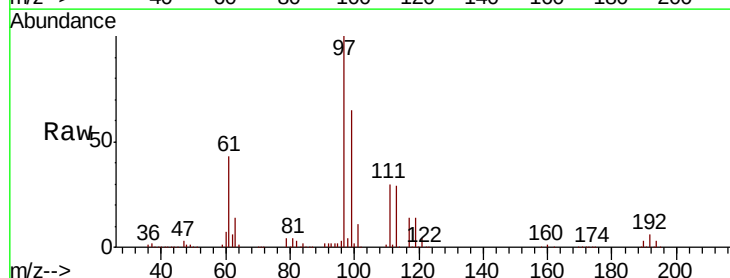
Tgt Ion: 97 Resp: 817930

Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

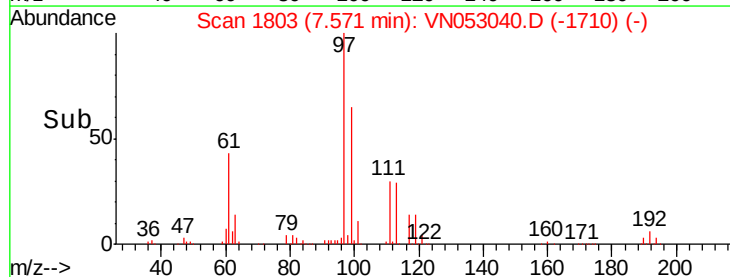
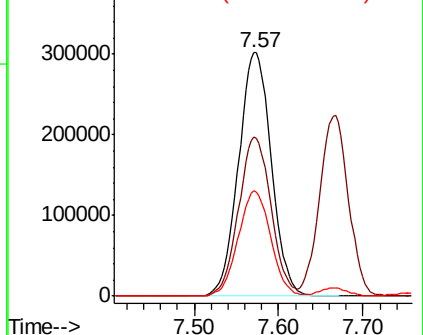
61 42.8 35.0 52.6

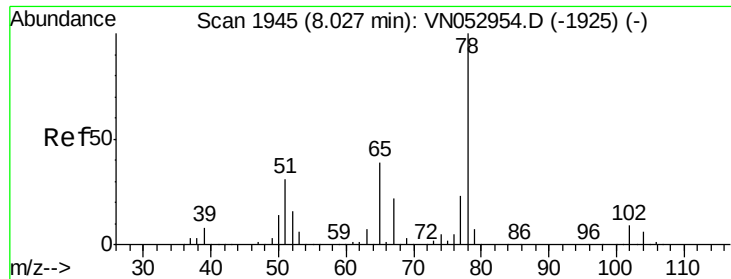


Abundance Ion 96.90 (96.60 to 97.60): VN053040.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053040.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053040.D (-1710) (-)

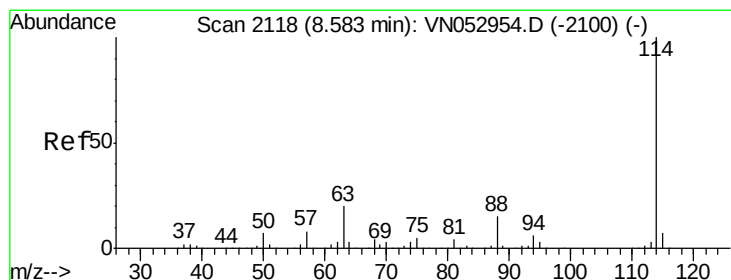
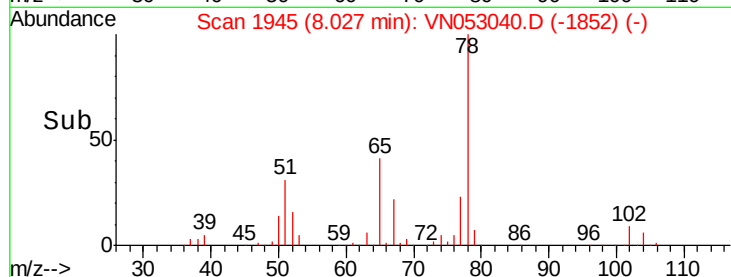
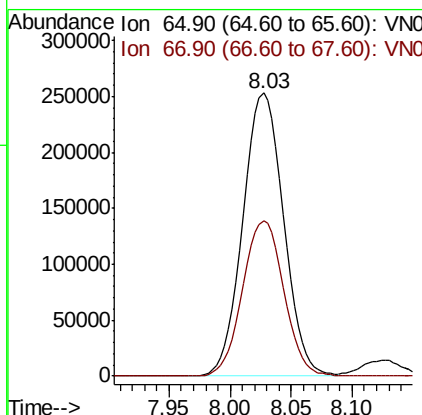
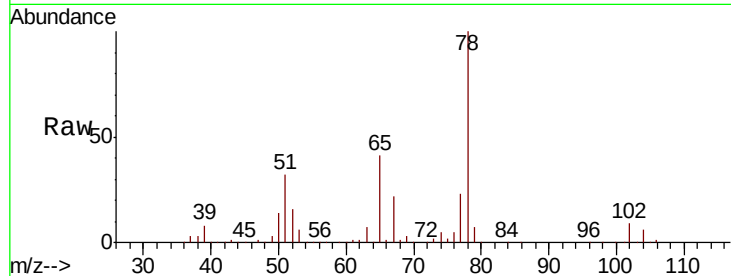




#33
 1,2-Dichloroethane-d4
 Concen: 48.035 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

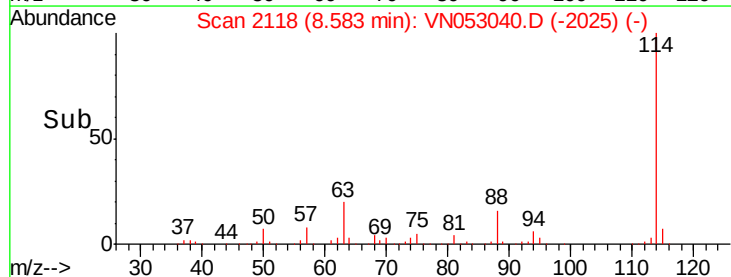
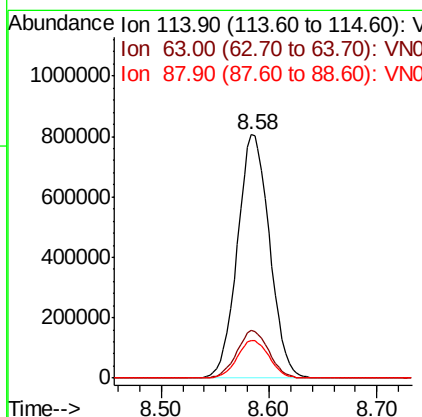
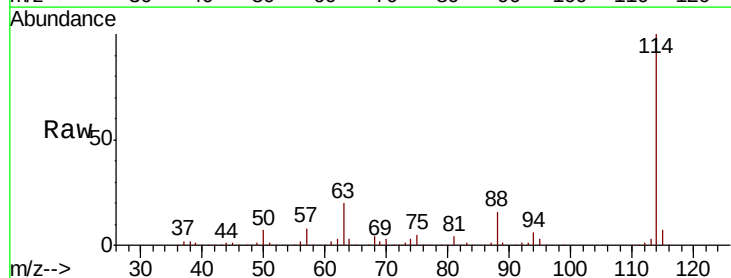
Instrument :
 MSVOA_N
 ClientSampled :

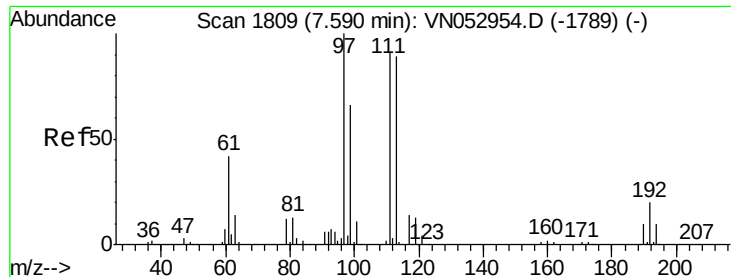
Tot Ion: 65 Resp: 586567
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion: 114 Resp: 1672987
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.6 0.0 31.0

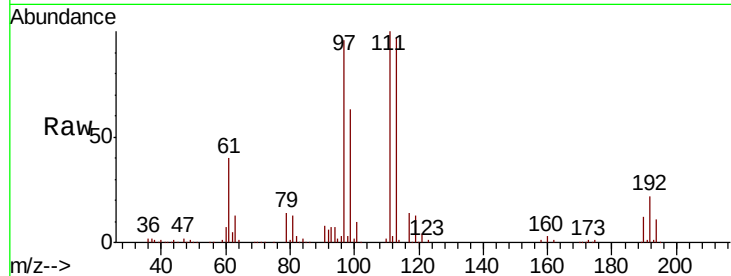




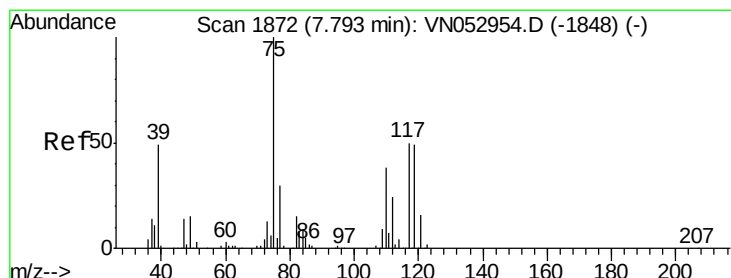
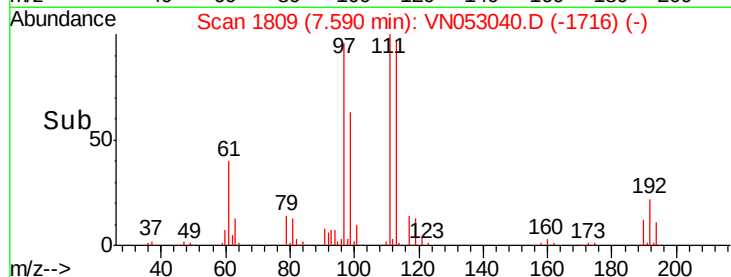
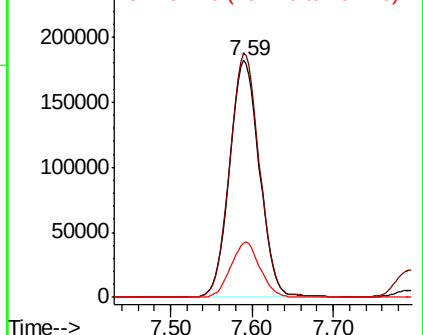
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 466332
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.4
192 22.7 17.5 26.3

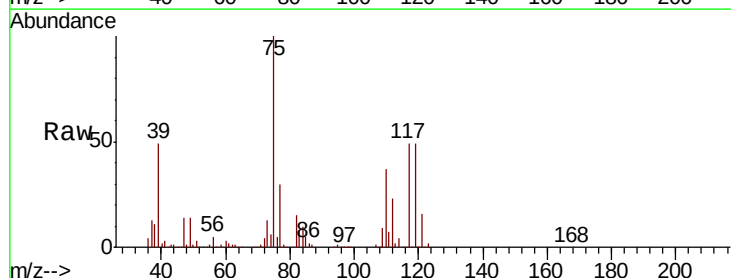


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

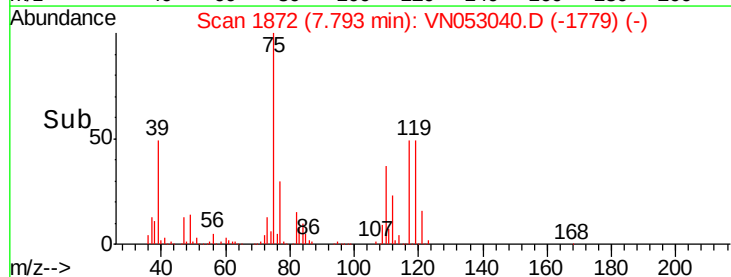
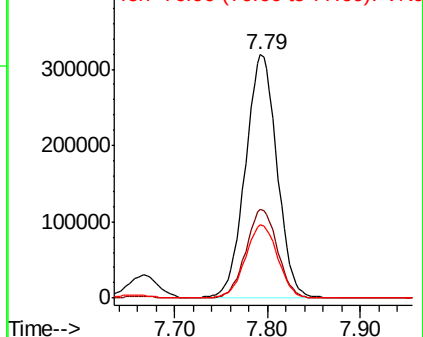


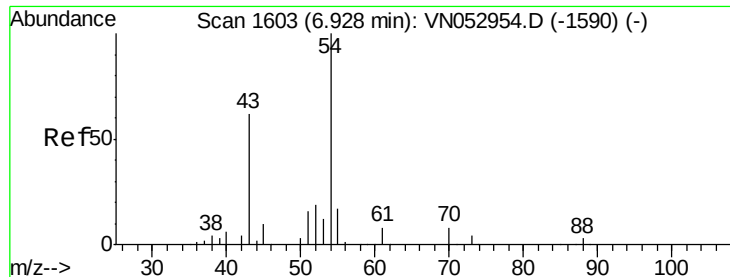
#36
1,1-Dichloropropene
Concen: 47.007 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion: 75 Resp: 754835
Ion Ratio Lower Upper
75 100
110 36.4 18.2 54.6
77 31.0 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

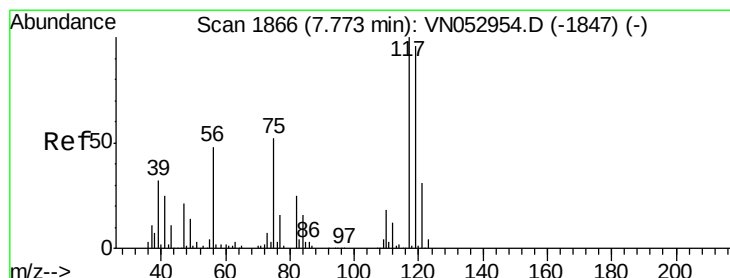
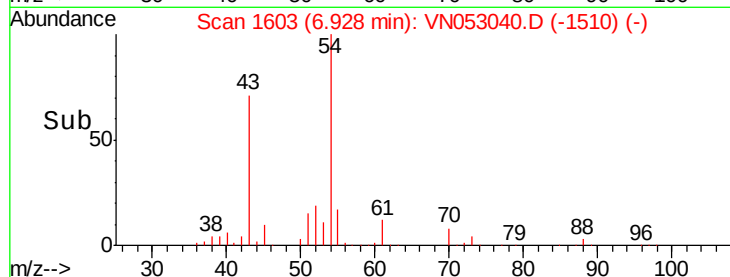
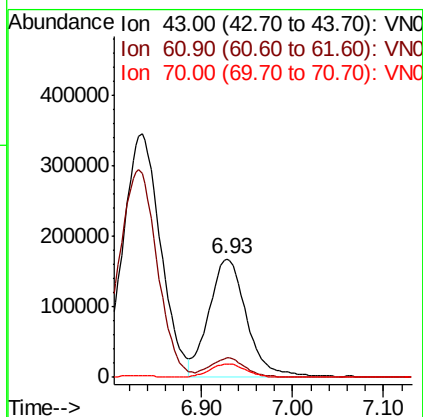
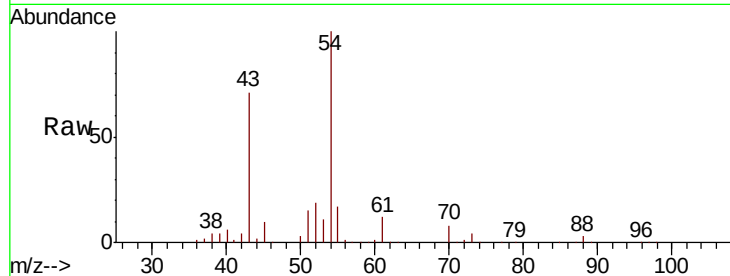




#37
Ethyl Acetate
Concen: 53.467 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

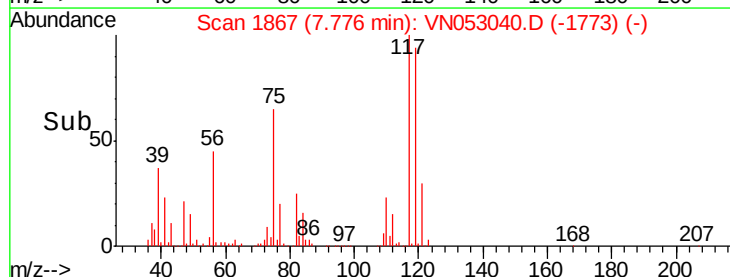
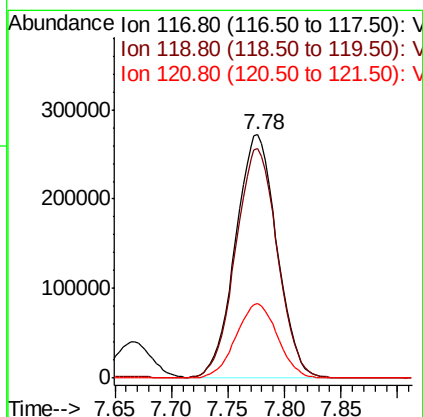
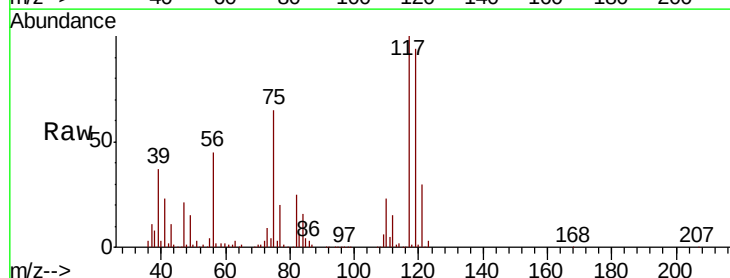
Instrument :
MSVOA_N
ClientSampled :

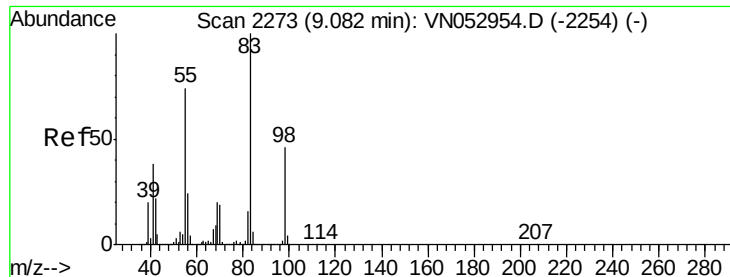
Tot Ion: 43 Resp: 479294
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.822 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion: 117 Resp: 689143
Ion Ratio Lower Upper
117 100
119 94.2 77.1 115.7
121 30.4 24.9 37.3

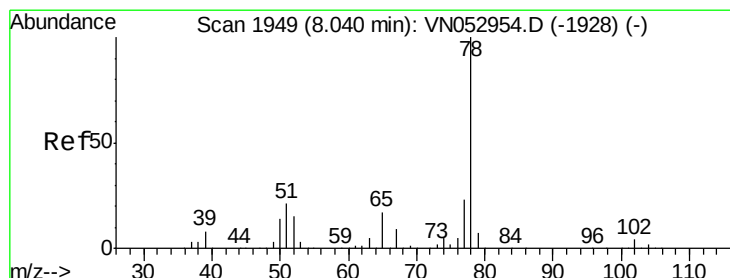
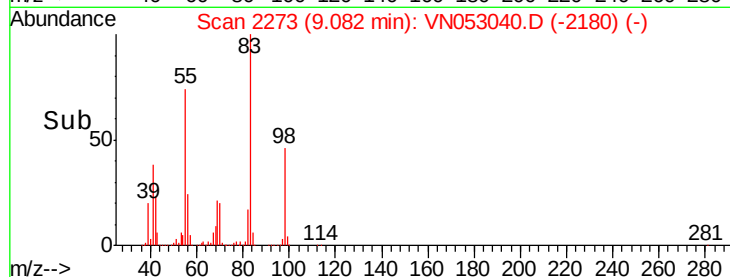
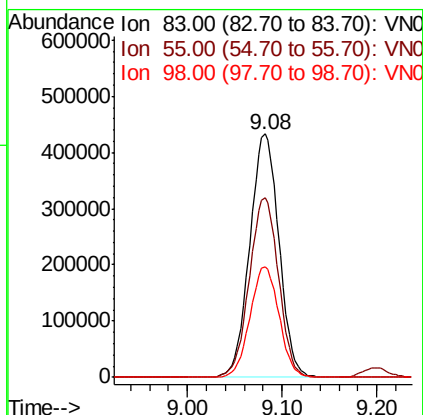
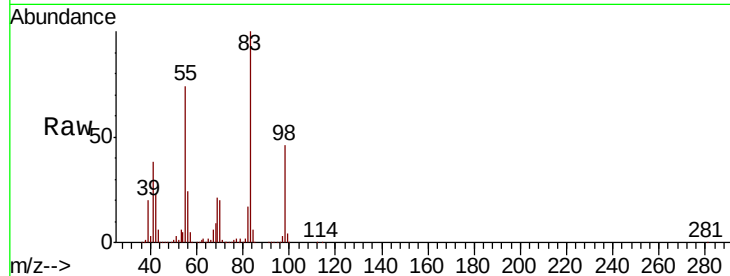




#39
Methylvlcyclohexane
Concen: 47.573 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

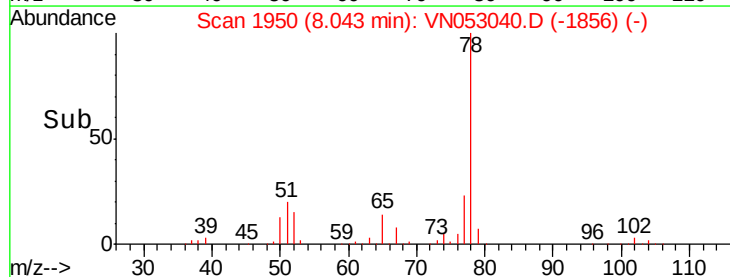
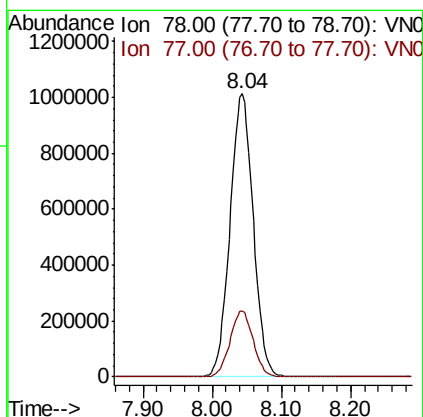
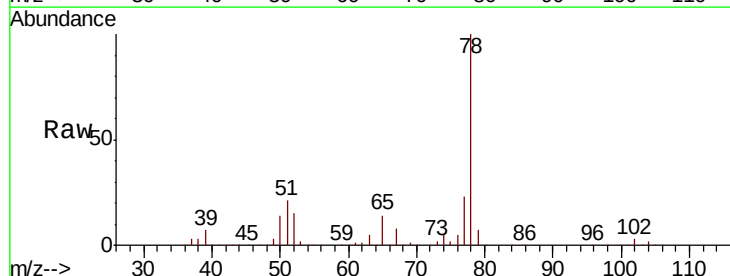
Instrument :
MSVOA_N
ClientSampled :

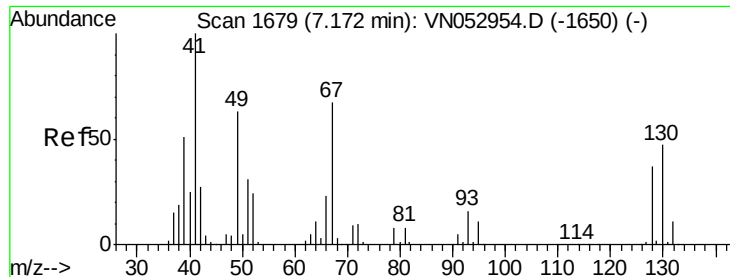
Tot Ion	83	Resp	927996
Ion Ratio	Lower	Upper	
83	100		
55	73.8	61.3	91.9
98	45.5	37.0	55.4



#40
Benzene
Concen: 49.655 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion	78	Resp	2371694
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.5	27.7

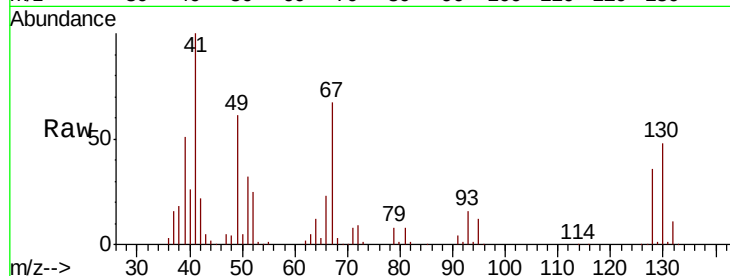




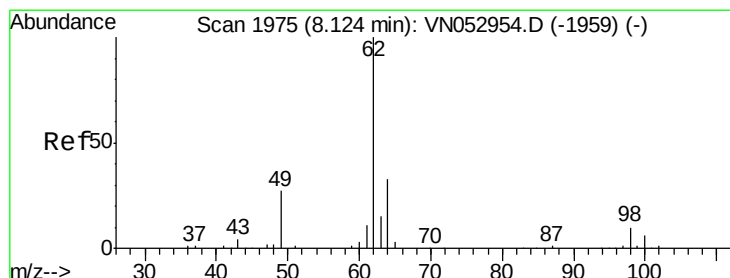
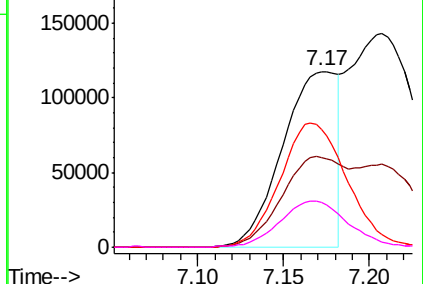
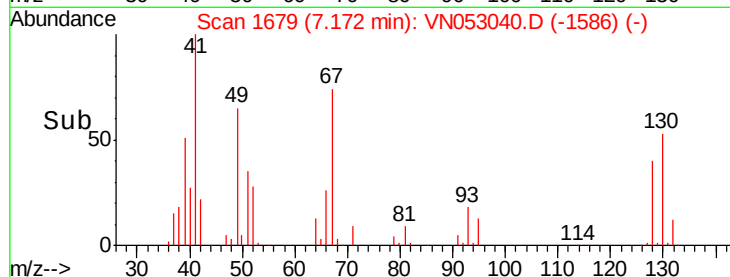
#41
Methacrylonitrile
Concen: 50.528 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 261710
Ion Ratio Lower Upper
41 100
39 59.2 48.0 72.0
67 86.2 70.3 105.5
52 32.4 26.9 40.3

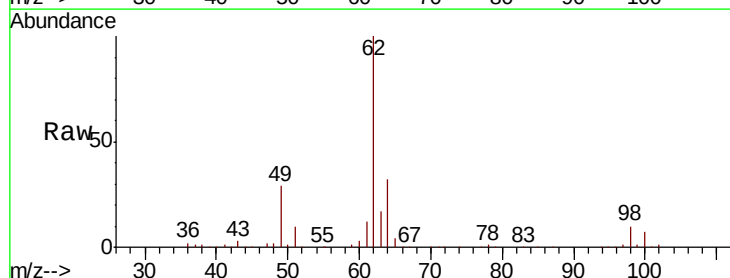


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

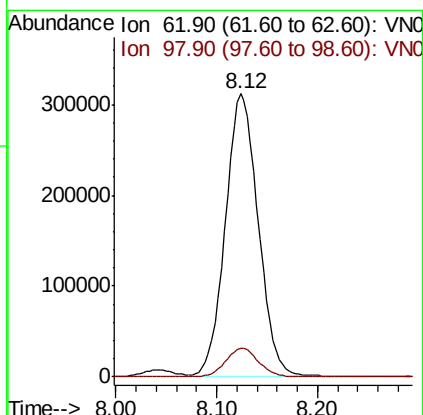
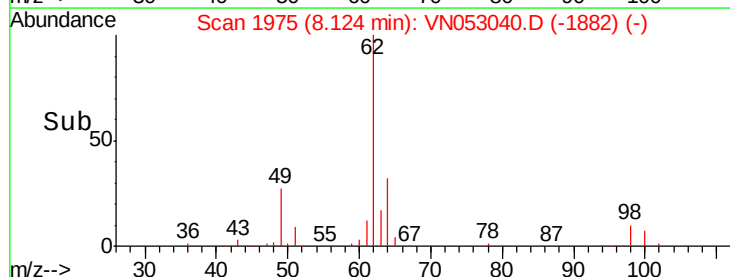


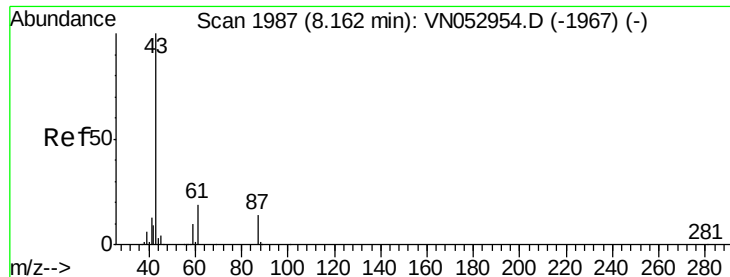
#42
1,2-Dichloroethane
Concen: 49.983 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion: 62 Resp: 705267
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: 51.444 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampled :

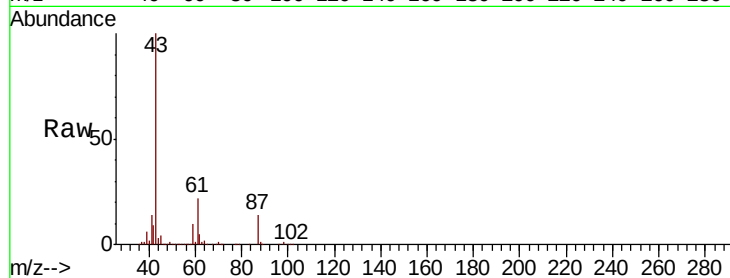
Tot Ion: 43 Resp: 891890

Ion Ratio Lower Upper

43 100

61 29.5 22.9 34.3

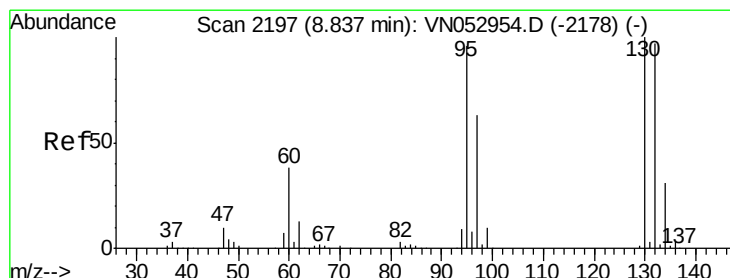
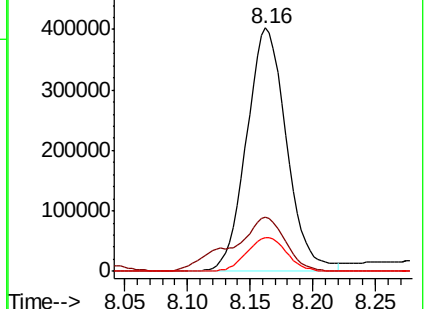
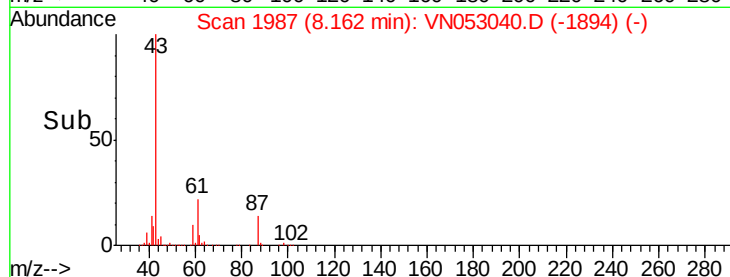
87 13.9 10.6 15.8



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) (-)



#44

Trichloroethene

Concen: 47.635 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053040.D

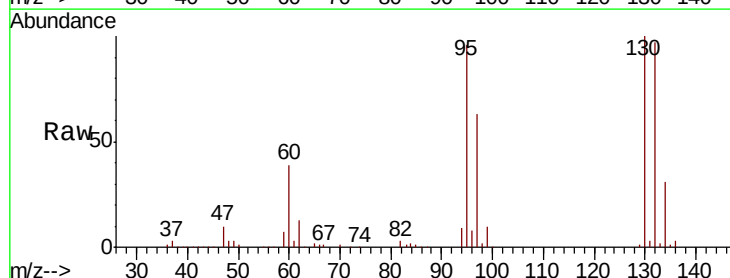
Acq: 20 Dec 2018 5:03

Tgt Ion:130 Resp: 658078

Ion Ratio Lower Upper

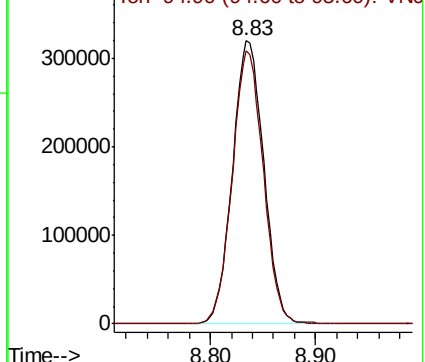
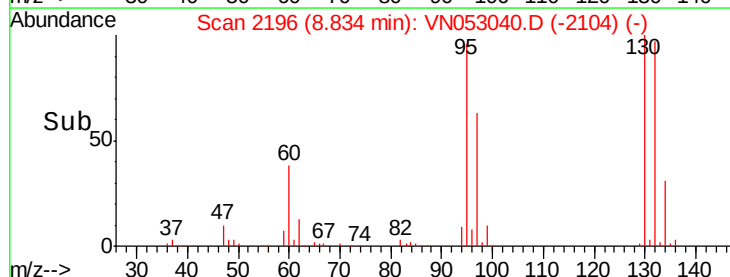
130 100

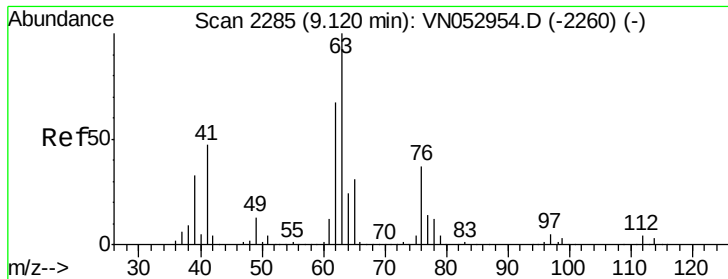
95 96.3 0.0 197.8



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

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

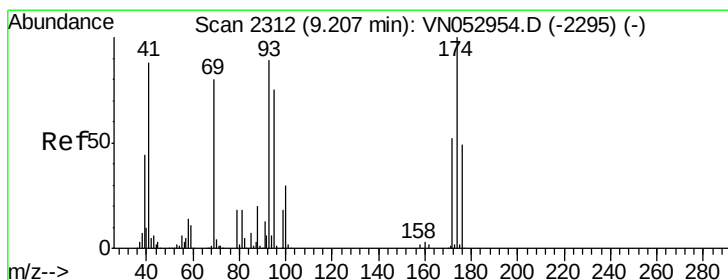
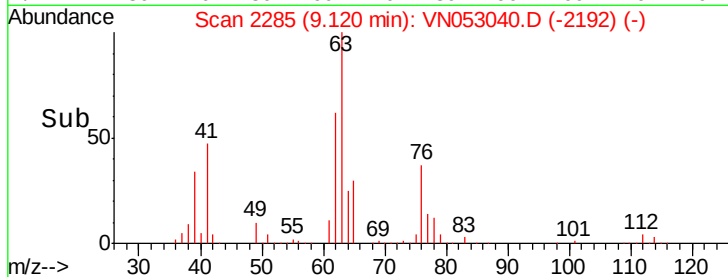
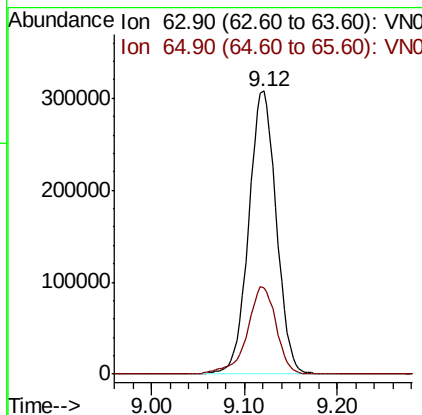
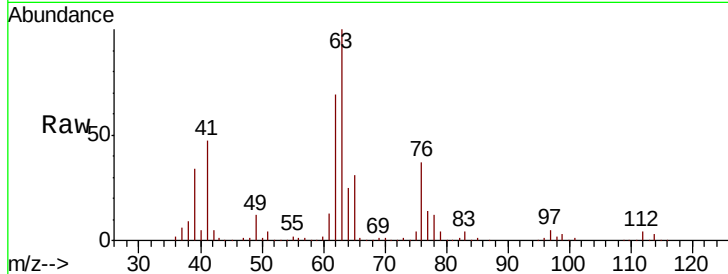




#45
 1,2-Dichloropropane
 Concen: 51.094 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

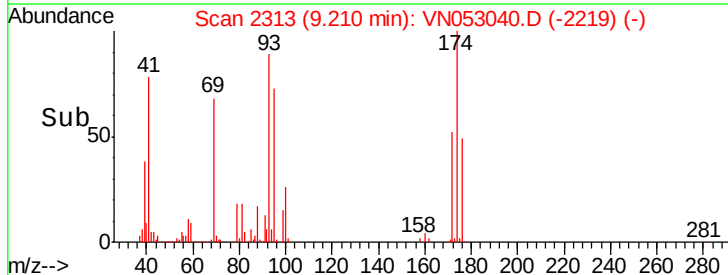
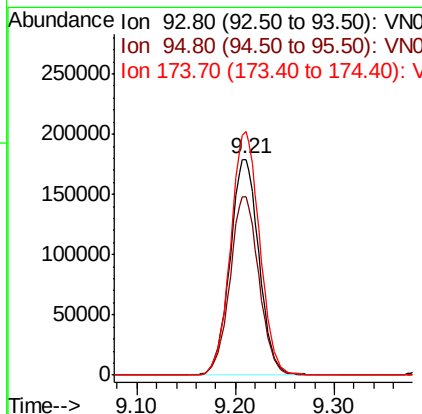
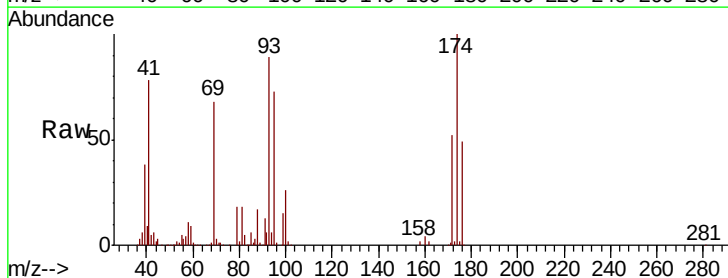
Instrument :
 MSVOA_N
 ClientSampleId :

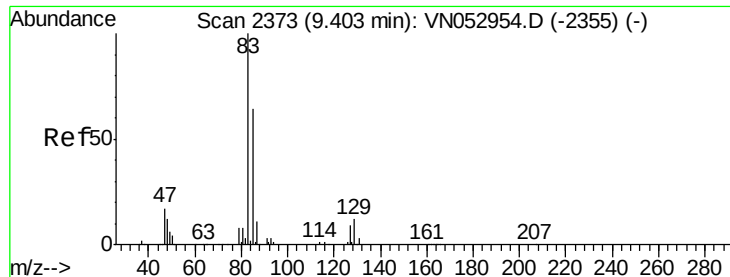
Tot Ion: 63 Resp: 635657
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#46
 Dibromomethane
 Concen: 50.423 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion: 93 Resp: 365439
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.8 101.6
 174 113.4 89.0 133.4





#47

Bromodichloromethane

Concen: 49.653 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampled :

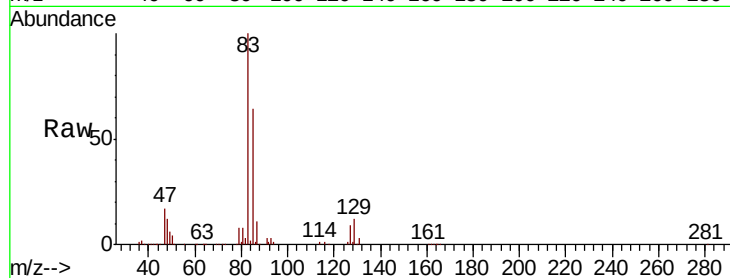
Tot Ion: 83 Resp: 764945

Ion Ratio Lower Upper

83 100

85 64.3 51.6 77.4

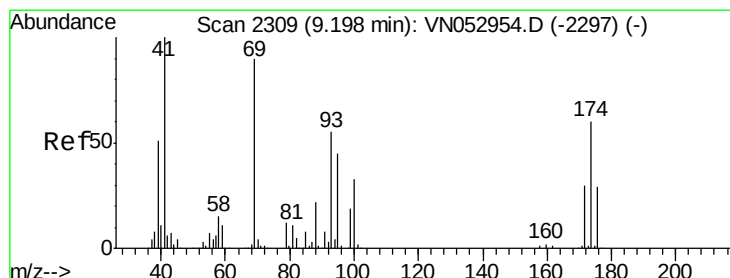
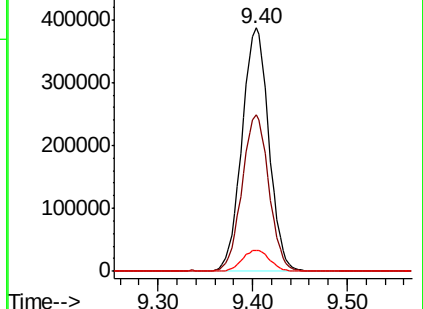
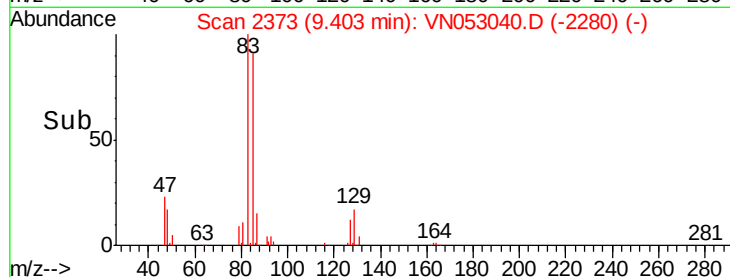
127 8.7 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053040.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053040.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053040.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.588 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

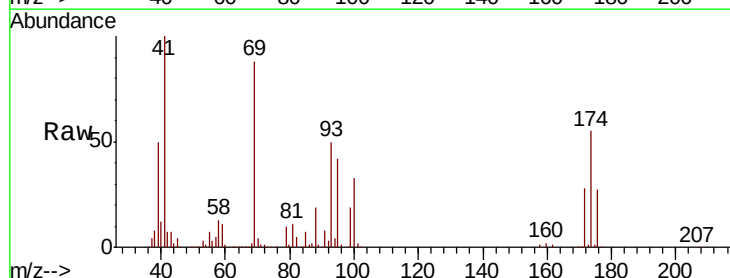
Tgt Ion: 41 Resp: 448745

Ion Ratio Lower Upper

41 100

69 91.0 72.2 108.2

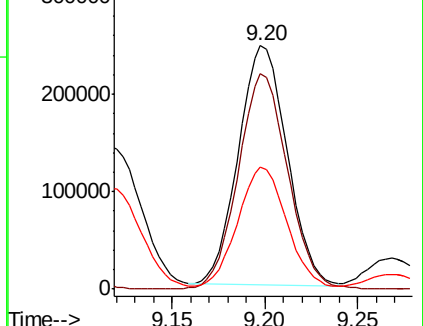
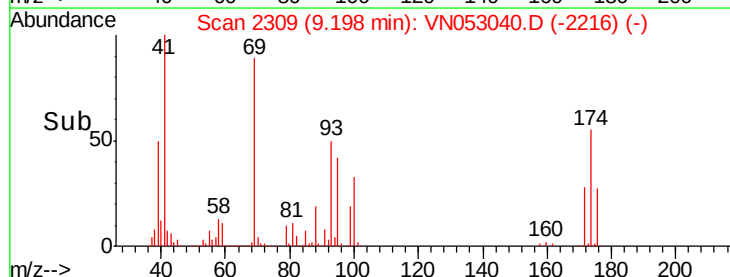
39 51.7 41.9 62.9

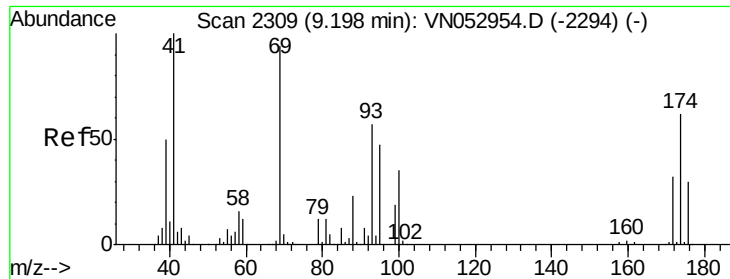


Abundance Ion 41.00 (40.70 to 41.70): VN053040.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053040.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053040.D (-2216) (-)





#49

1,4-Dioxane

Concen: 896.006 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :
MSVOA_N
ClientSampled :

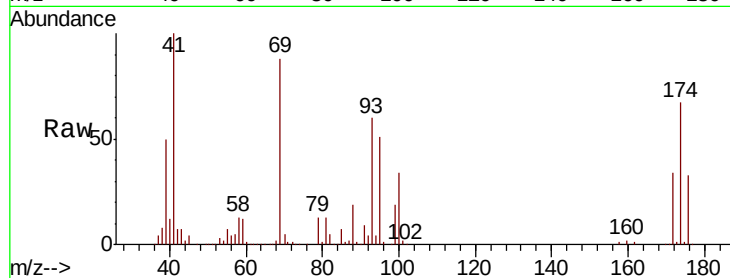
Tot Ion: 88 Resp: 98591

Ion Ratio Lower Upper

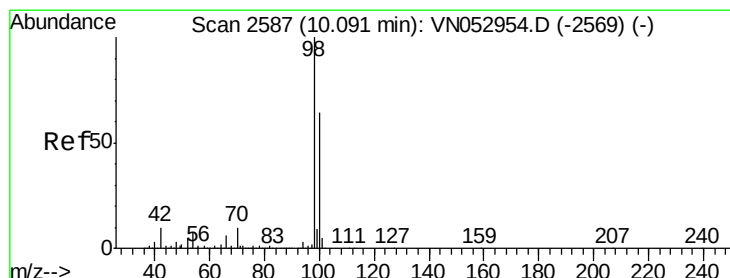
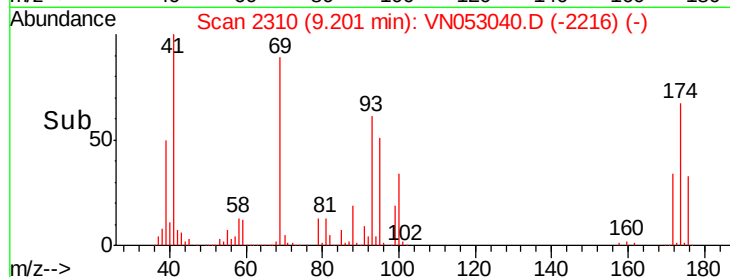
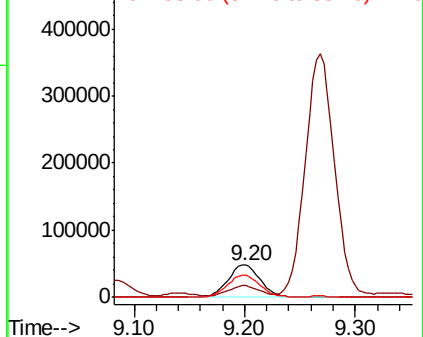
88 100

43 26.0 26.6 40.0#

58 68.3 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: 896.006 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053040.D

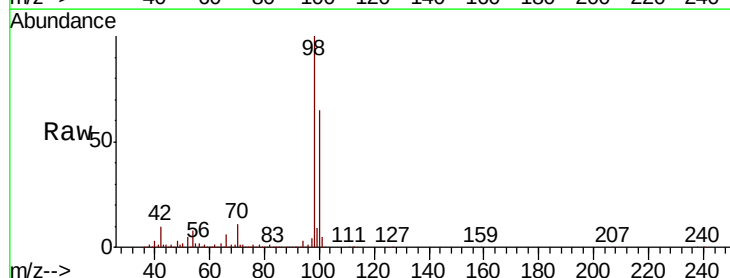
Acq: 20 Dec 2018 5:03

Tgt Ion: 98 Resp: 2112795

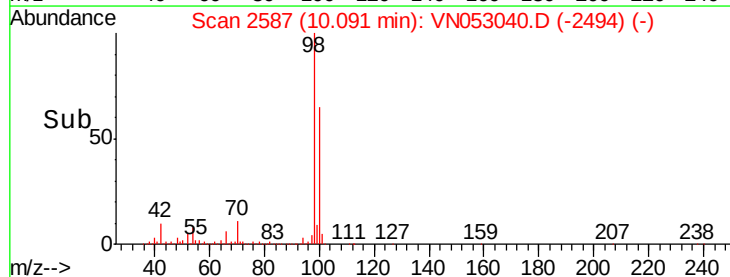
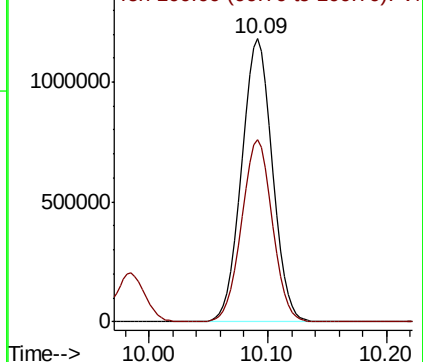
Ion Ratio Lower Upper

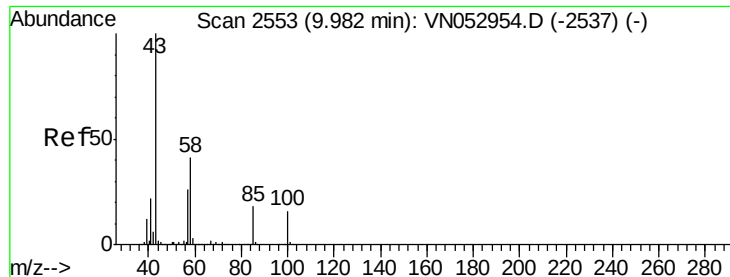
98 100

100 64.3 51.6 77.4



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

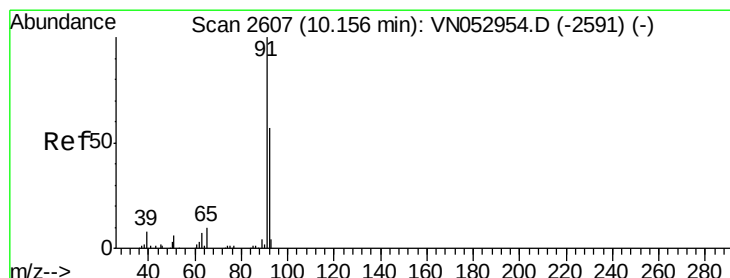
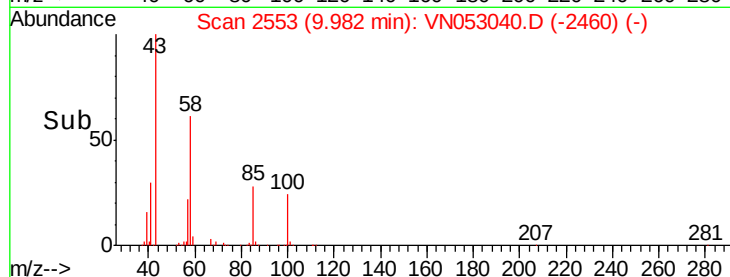
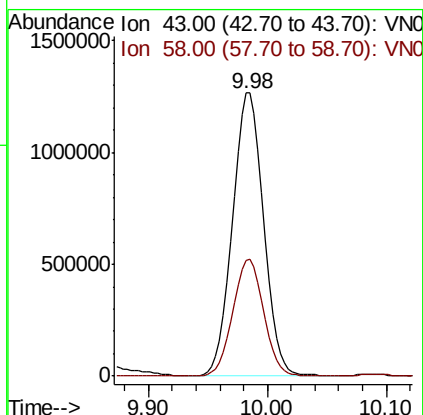
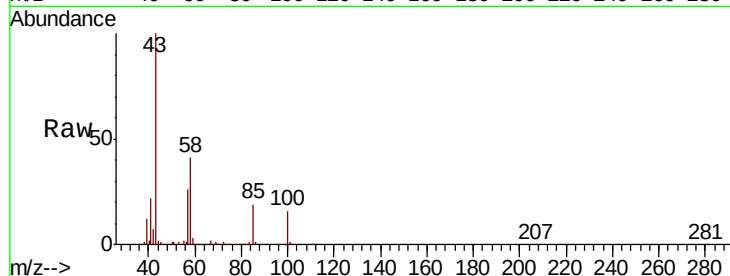




#51
4-Methyl-2-Pentanone
Concen: 263.374 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

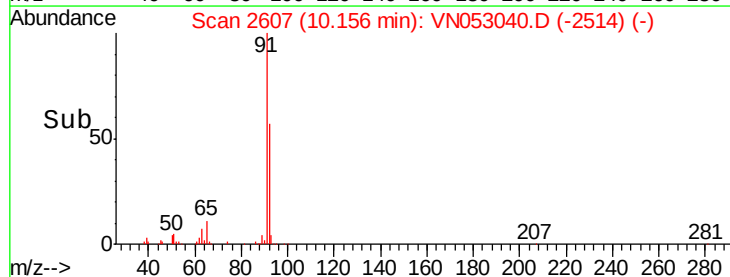
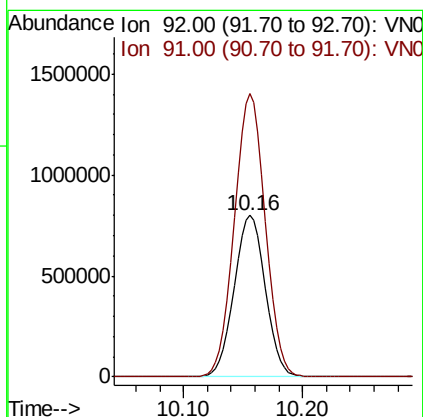
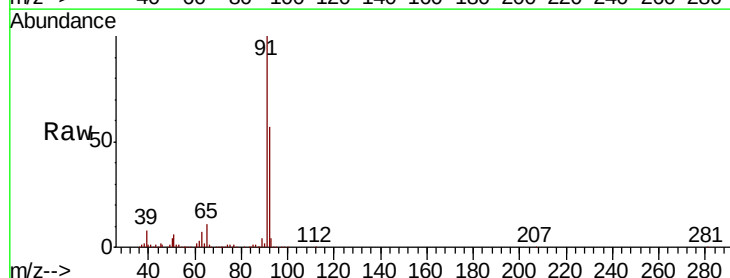
Instrument :
MSVOA_N
ClientSampleId :

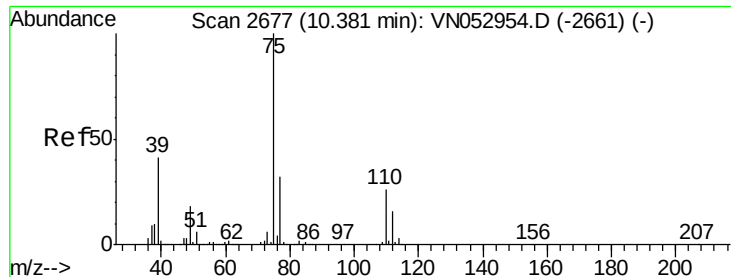
Tot Ion: 43 Resp: 2286392
Ion Ratio Lower Upper
43 100
58 41.1 32.2 48.4



#52
Toluene
Concen: 48.841 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion: 92 Resp: 1445941
Ion Ratio Lower Upper
92 100
91 174.2 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 47.393 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

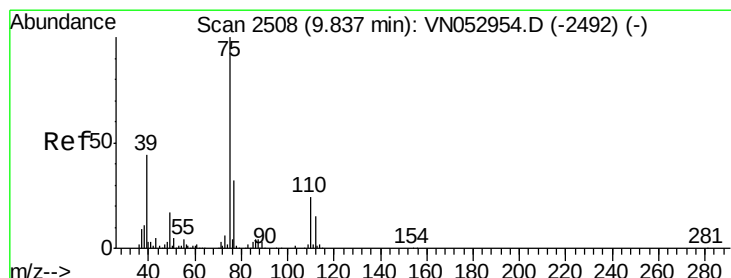
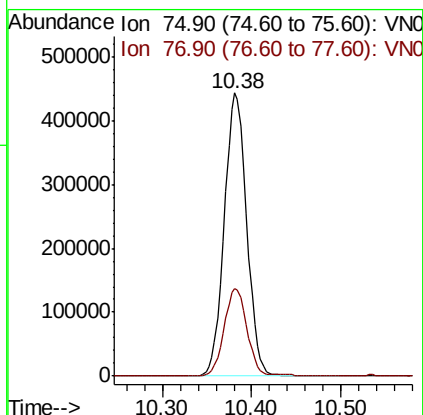
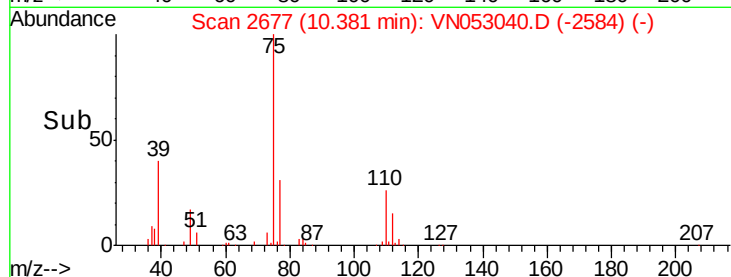
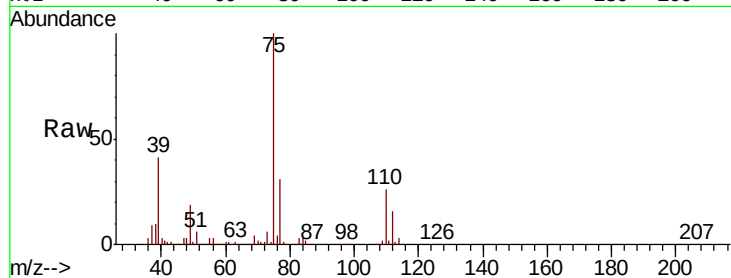
ClientSampled :

Tot Ion: 75 Resp: 767755

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 48.177 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

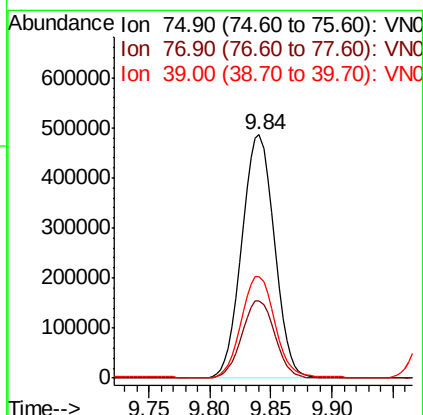
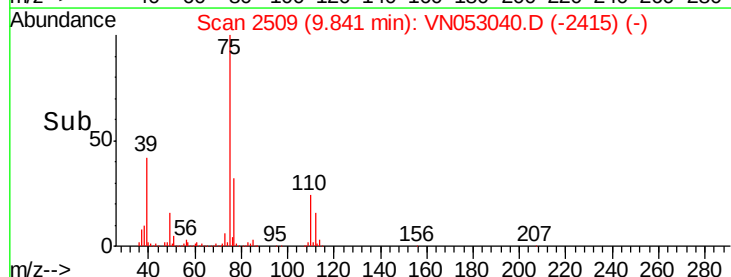
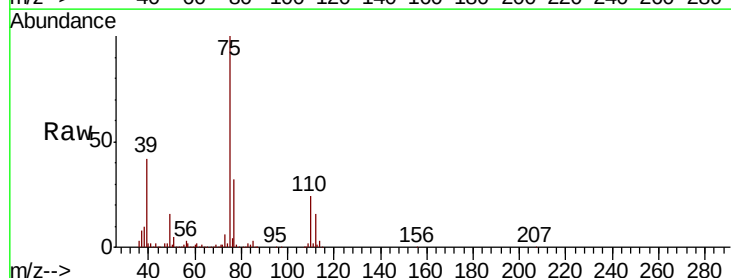
Tgt Ion: 75 Resp: 895837

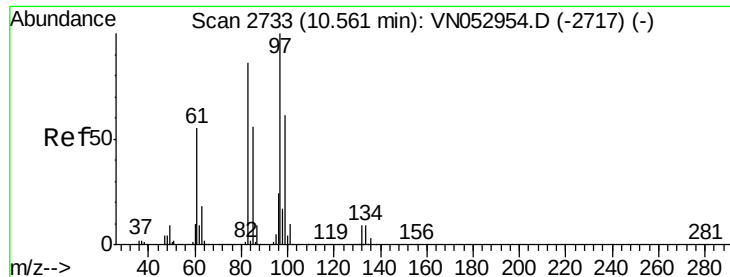
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 41.8 34.8 52.2

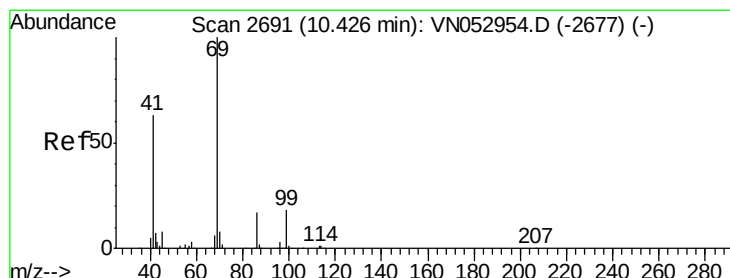
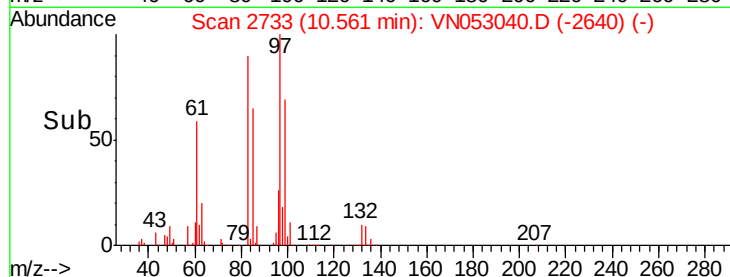
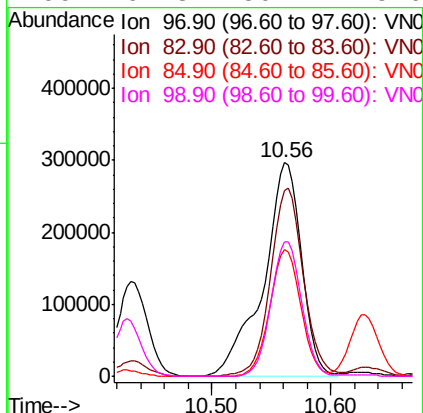
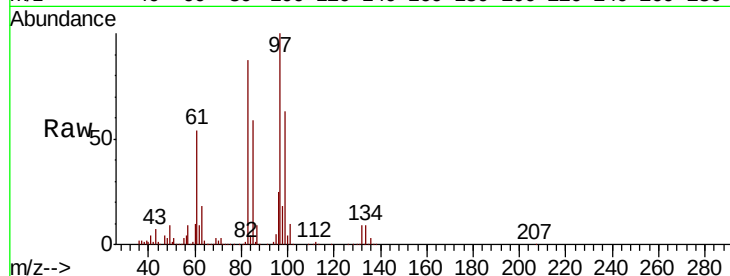




#55
 1,1,2-Trichloroethane
 Concen: 63.688 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

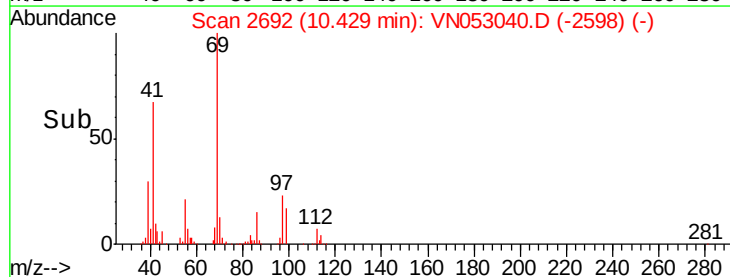
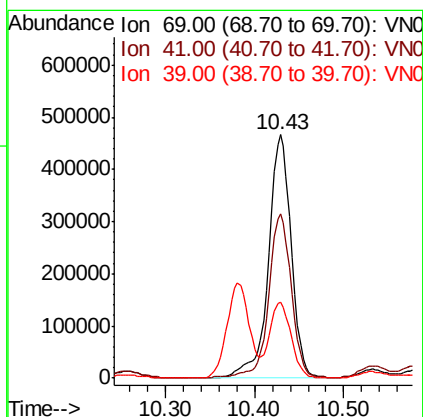
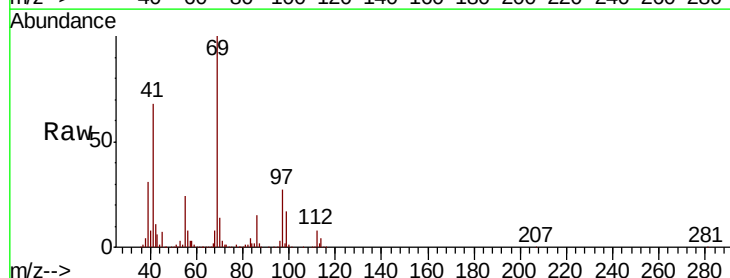
Instrument :
 MSVOA_N
 ClientSampleId :

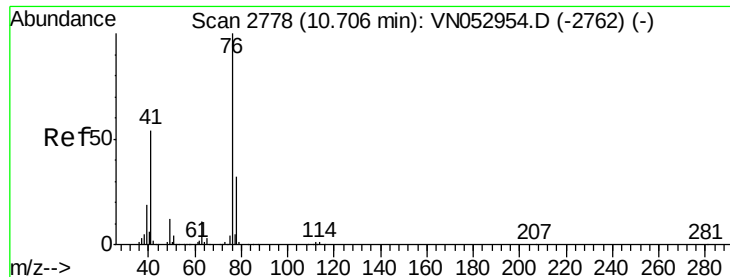
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.9	106.3
85	59.5	45.4	68.2
99	62.8	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 60.637 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	51.7	77.5
39	29.3	24.6	37.0





#57

1,3-Dichloropropane

Concen: 51.546 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

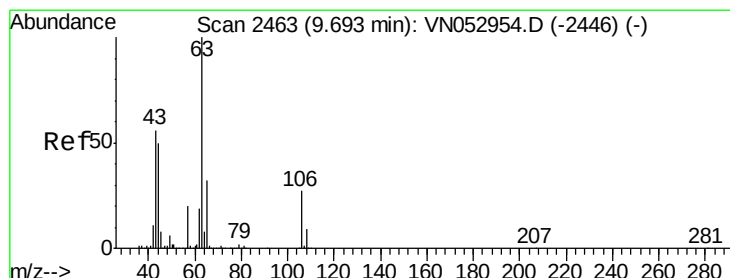
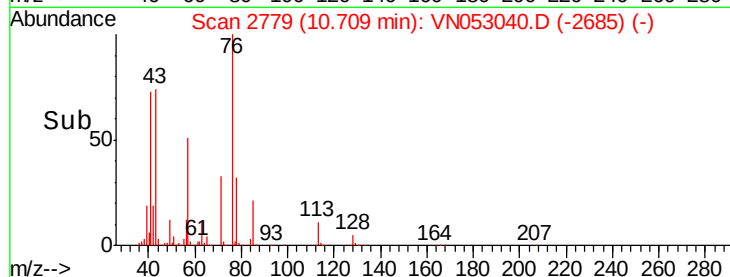
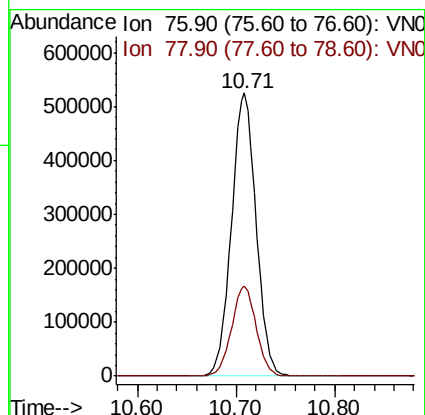
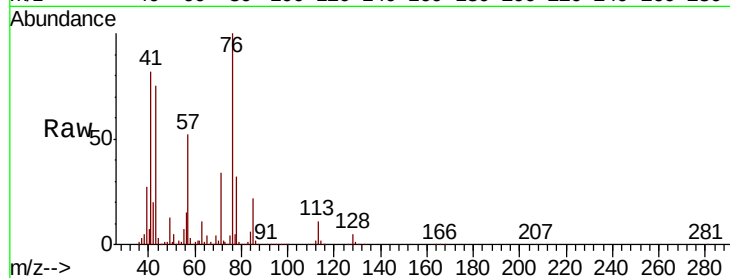
ClientSampled :

Tot Ion: 76 Resp: 912934

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 266.618 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053040.D

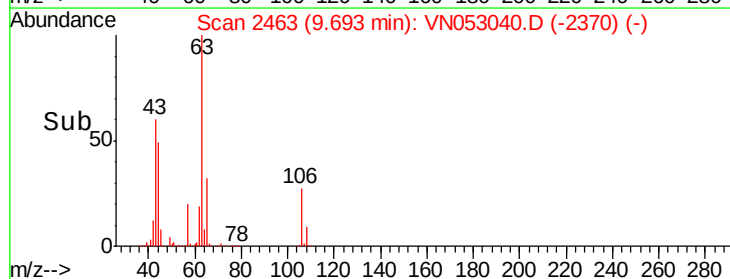
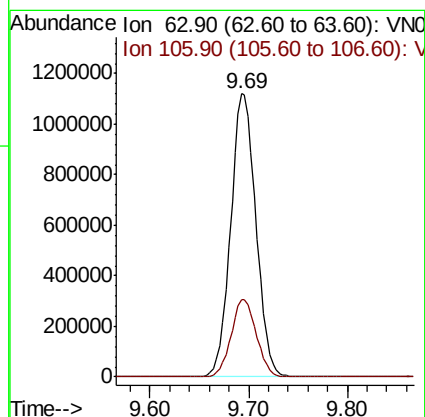
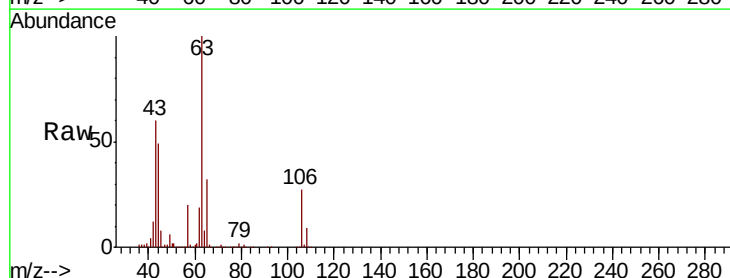
Acq: 20 Dec 2018 5:03

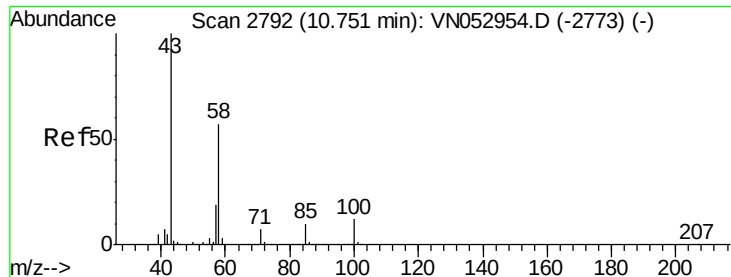
Tgt Ion: 63 Resp: 2000984

Ion Ratio Lower Upper

63 100

106 27.4 21.0 31.6

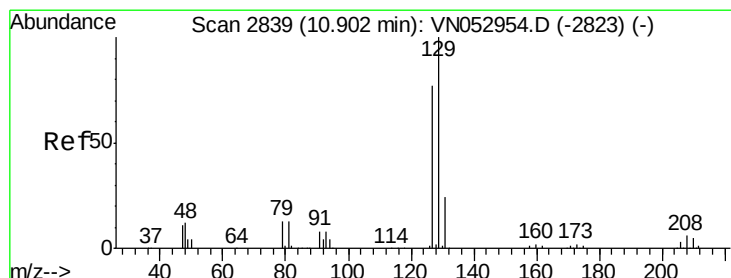
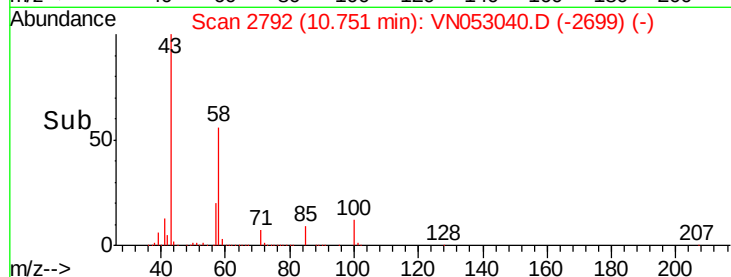
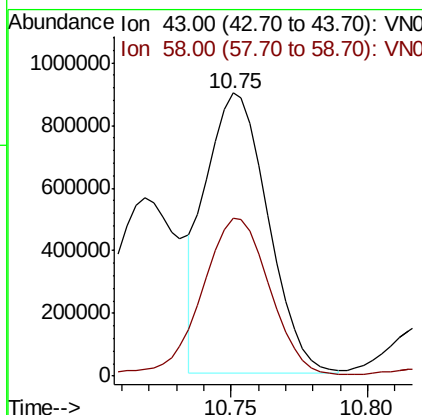
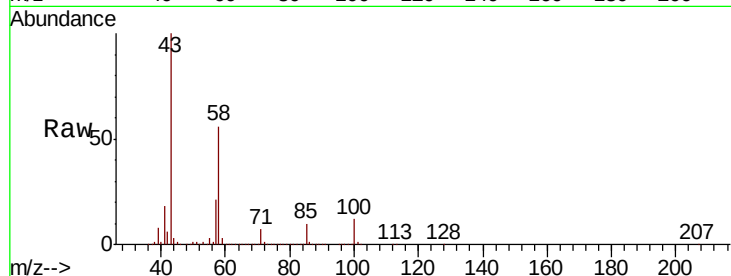




#59
2-Hexanone
Concen: 239.881 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

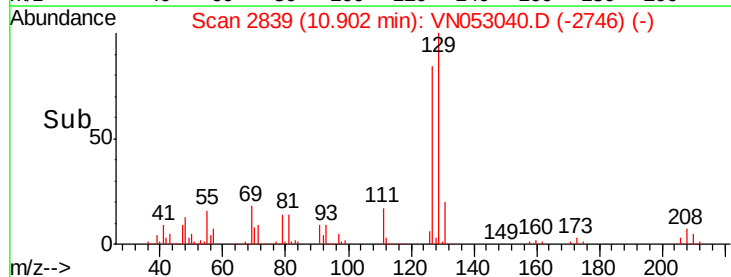
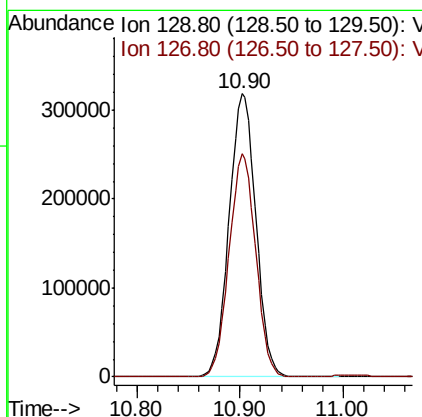
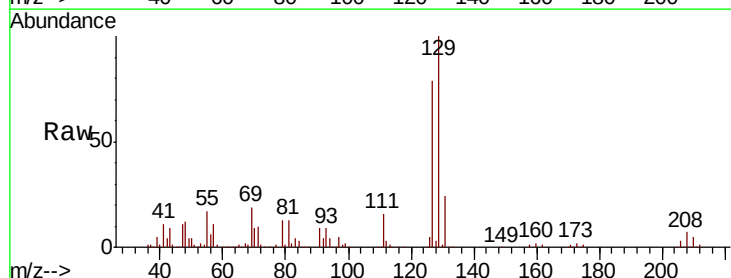
Instrument :
MSVOA_N
ClientSampled :

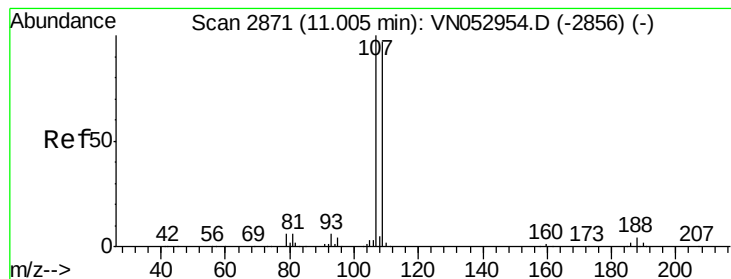
Tot Ion: 43 Resp: 1408946
Ion Ratio Lower Upper
43 100
58 62.8 28.1 84.3



#60
Dibromochloromethane
Concen: 48.728 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion: 129 Resp: 576088
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.717 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

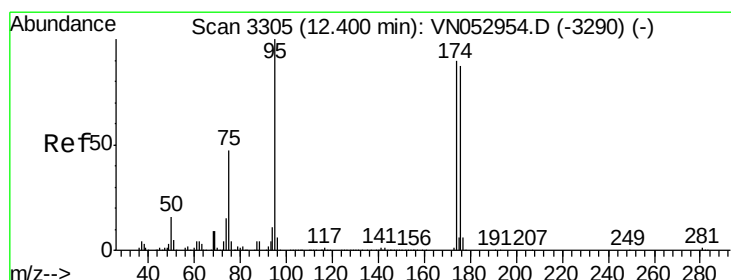
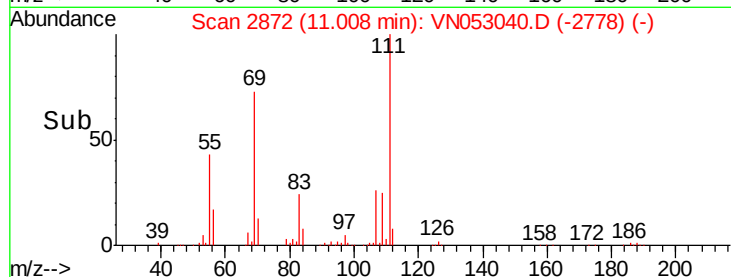
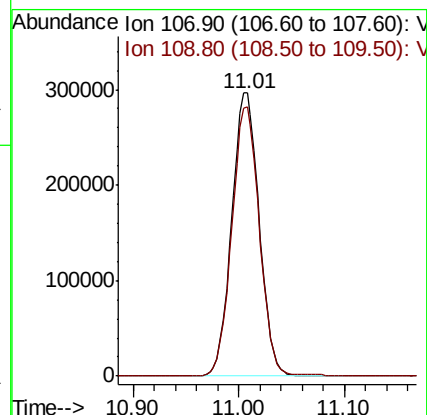
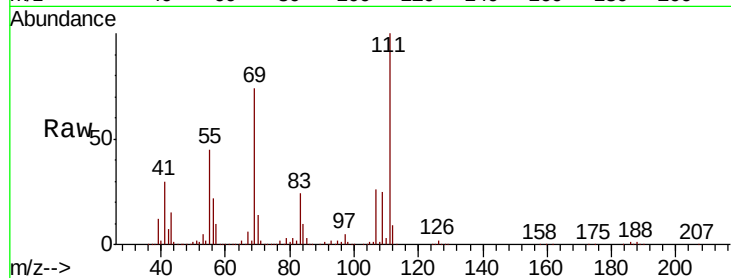
ClientSampleId :

Tot Ion: 107 Resp: 531997

Ion Ratio Lower Upper

107 100

109 95.5 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 50.717 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

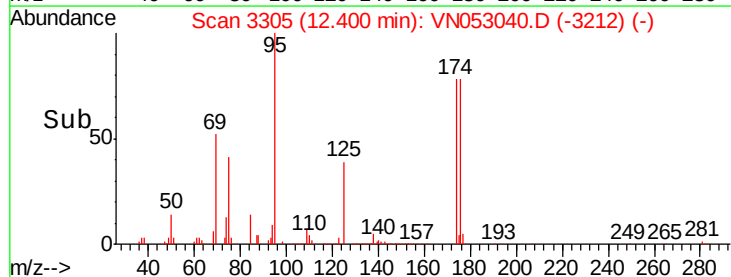
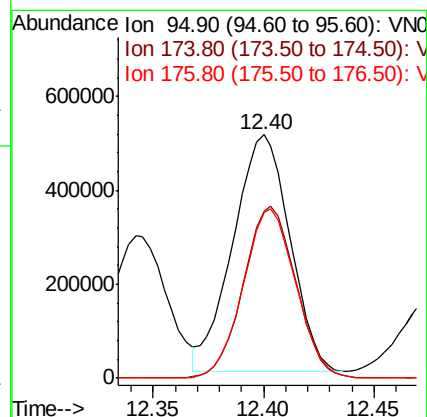
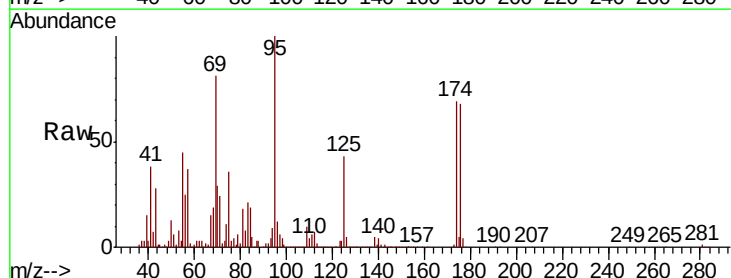
Tgt Ion: 95 Resp: 900562

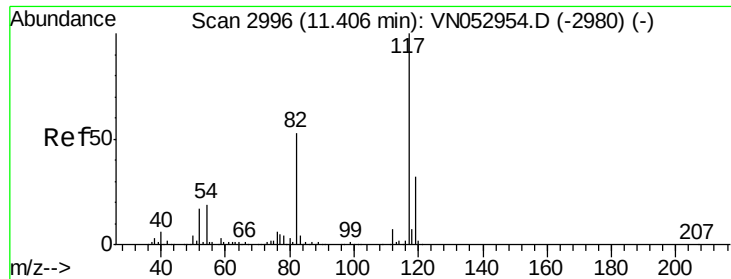
Ion Ratio Lower Upper

95 100

174 67.1 0.0 178.8

176 65.9 0.0 173.8

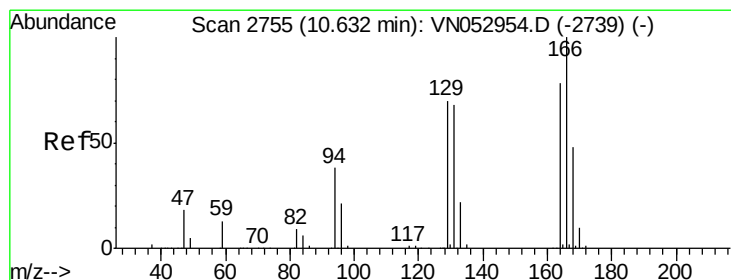
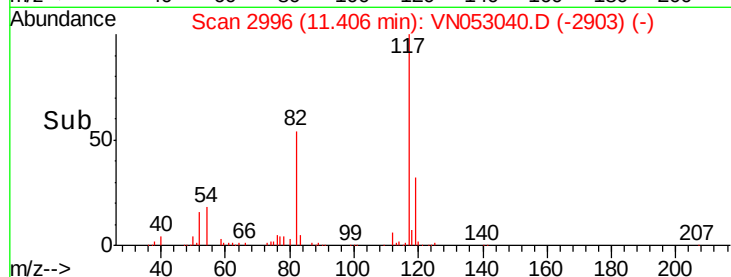
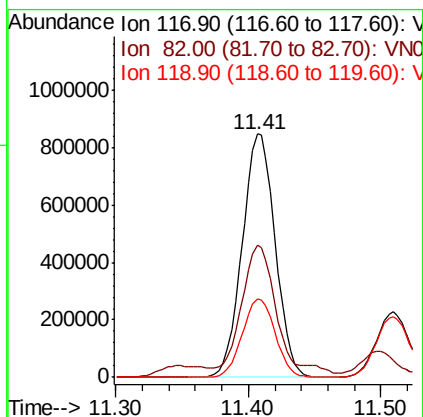
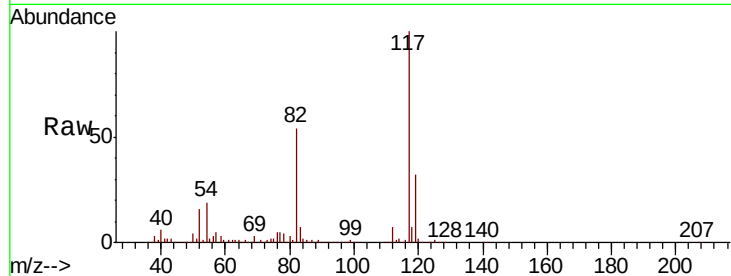




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

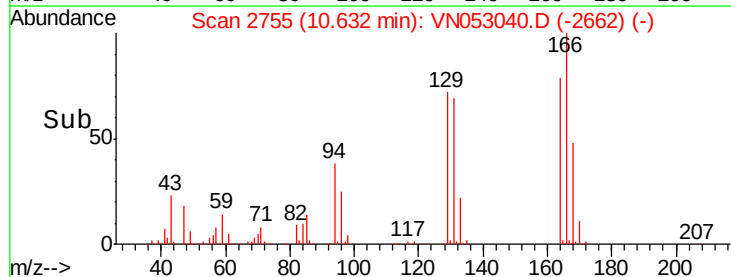
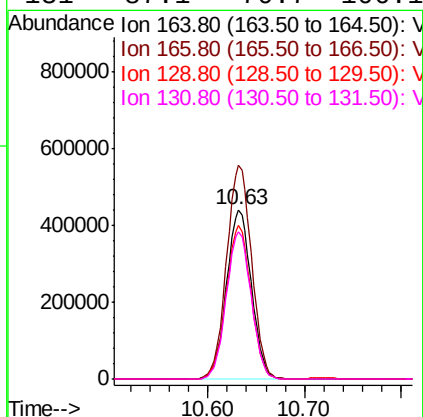
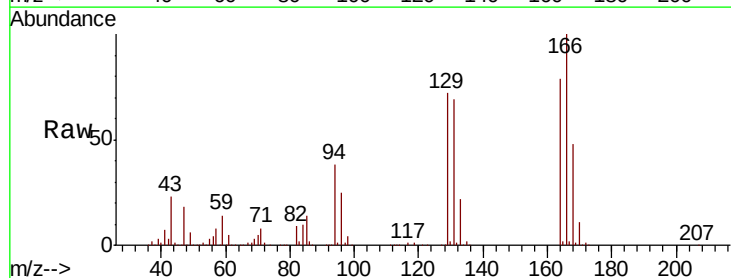
Instrument :
MSVOA_N
ClientSampled :

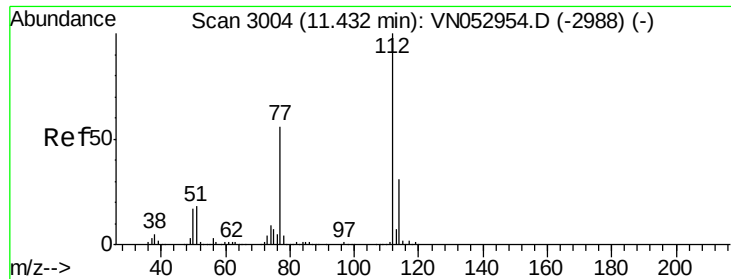
Tot Ion:117 Resp: 1463253
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 49.475 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion:164 Resp: 784191
Ion Ratio Lower Upper
164 100
166 126.2 102.9 154.3
129 90.6 73.7 110.5
131 87.1 70.7 106.1

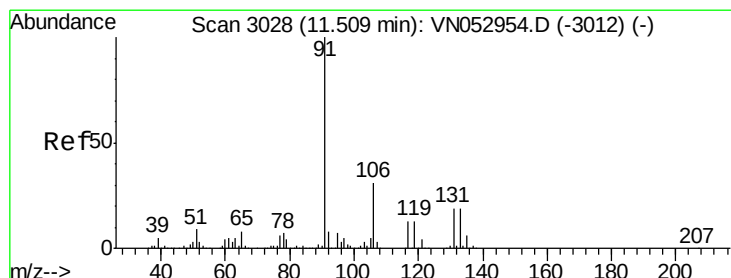
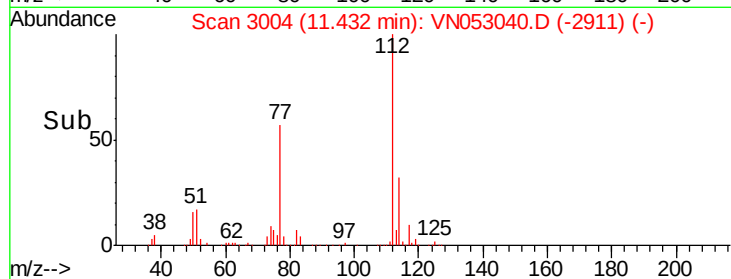
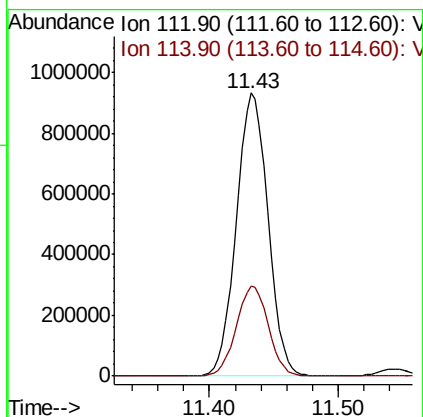
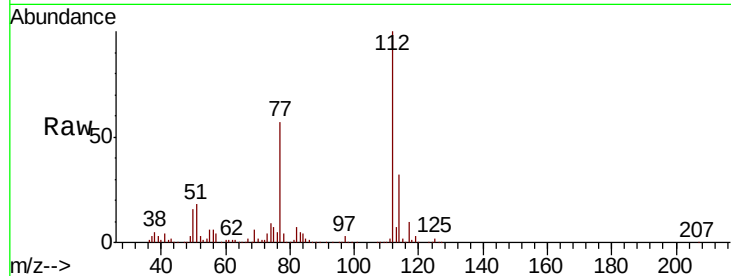




#65
Chlorobenzene
Concen: 48.946 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

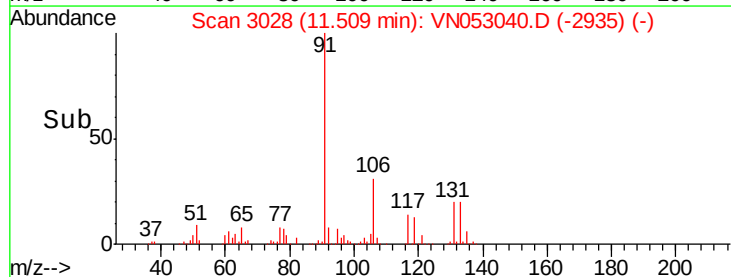
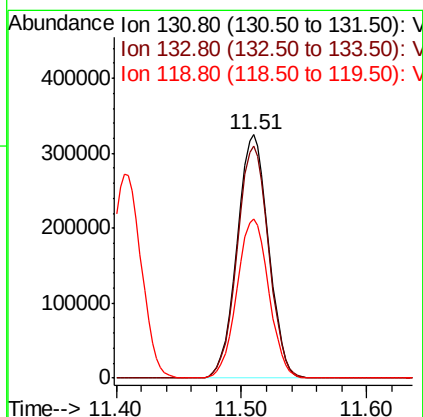
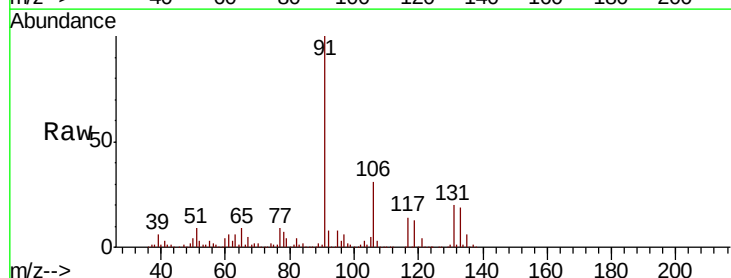
Instrument :
MSVOA_N
ClientSampled :

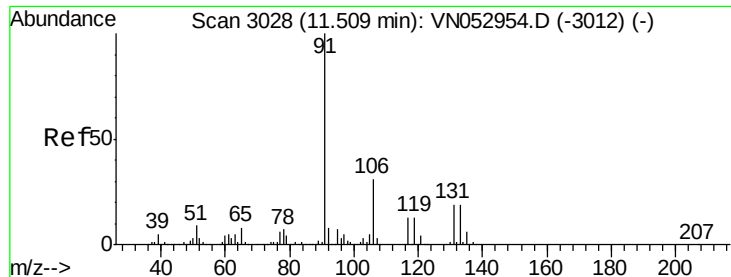
Tot Ion:112 Resp: 1587626
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.154 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion:131 Resp: 565713
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 66.3 33.3 99.8





#67

Ethyl Benzene

Concen: 48.145 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

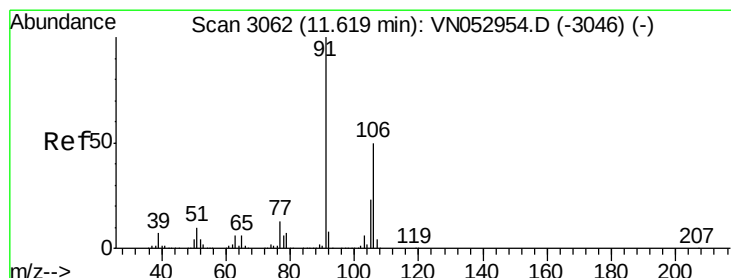
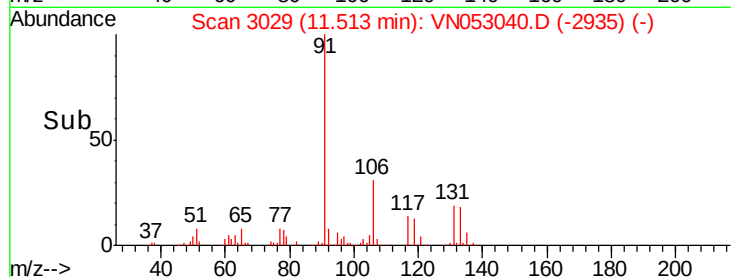
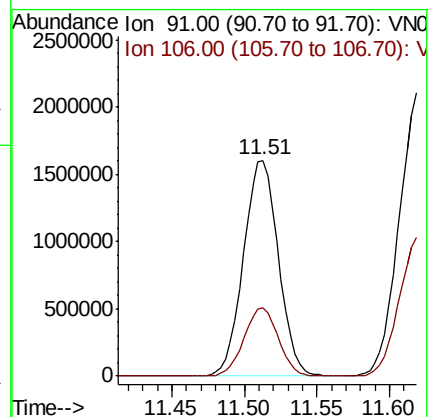
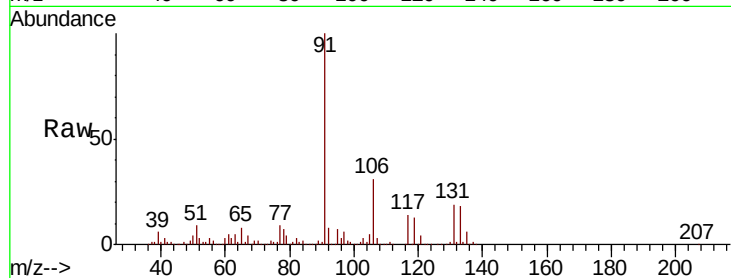
ClientSampled :

Tot Ion: 91 Resp: 2685625

Ion Ratio Lower Upper

91 100

106 31.4 24.9 37.3



#68

m/p-Xylenes

Concen: 97.248 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053040.D

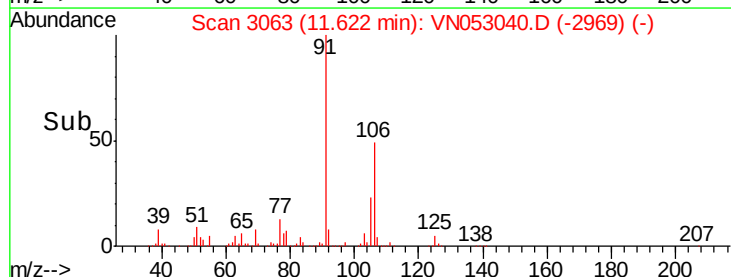
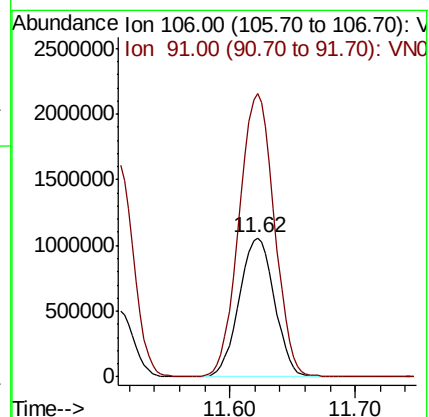
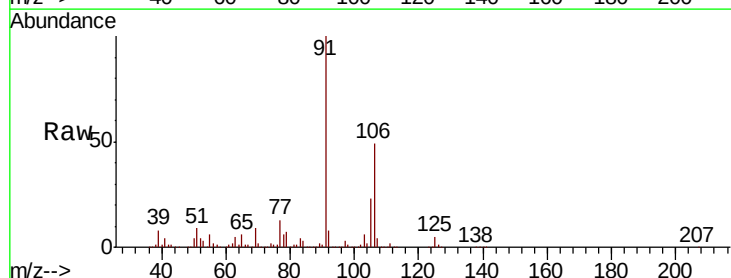
Acq: 20 Dec 2018 5:03

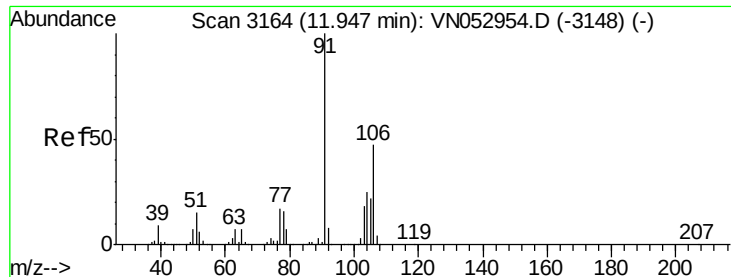
Tgt Ion: 106 Resp: 2062233

Ion Ratio Lower Upper

106 100

91 203.5 162.2 243.4

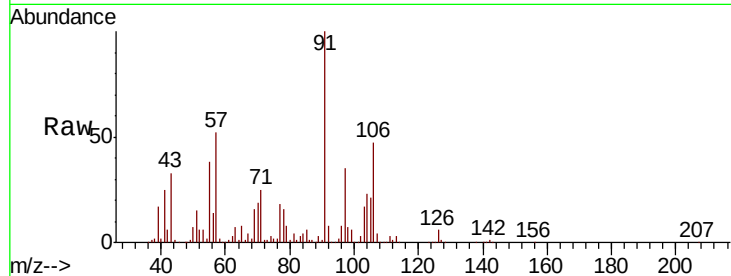




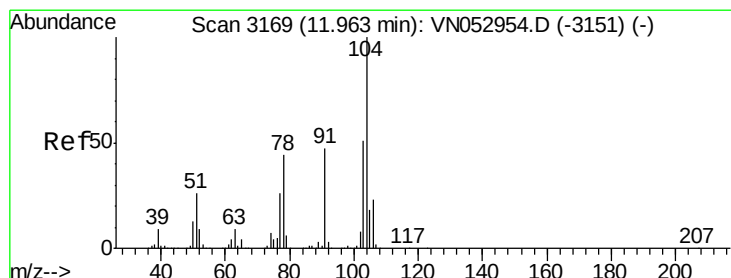
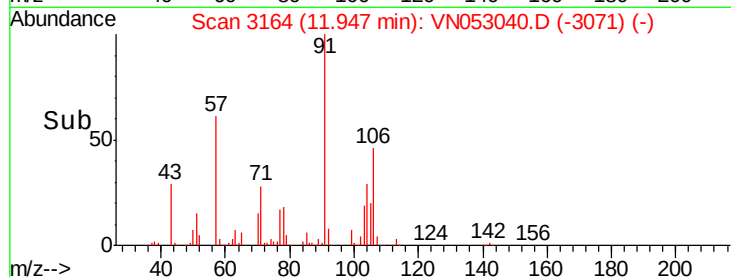
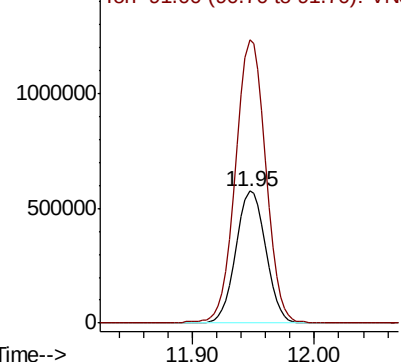
#69
o-Xylene
Concen: 47.655 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 969726
Ion Ratio Lower Upper
106 100
91 216.5 106.6 319.8

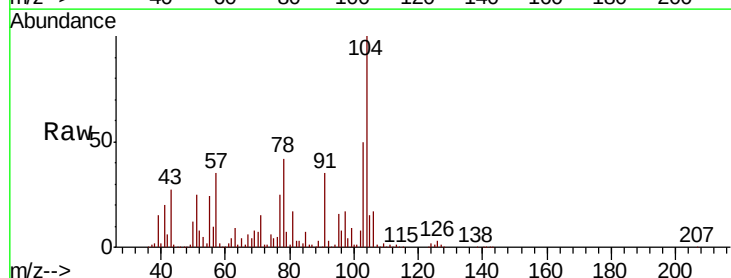


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

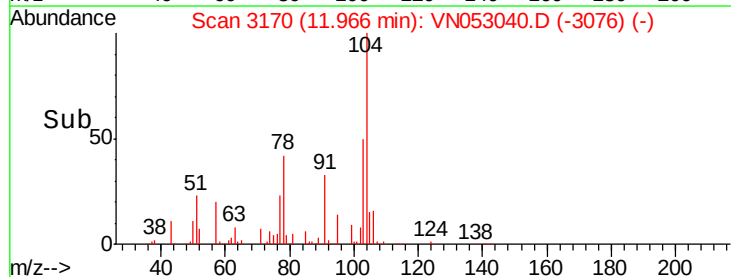
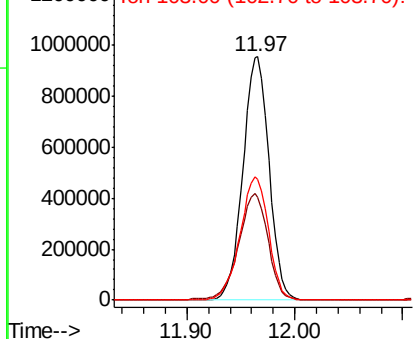


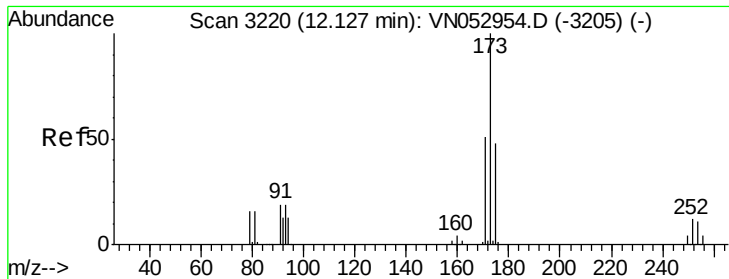
#70
Styrene
Concen: 48.546 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion:104 Resp: 1610782
Ion Ratio Lower Upper
104 100
78 49.6 38.9 58.3
103 55.1 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.034 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampled :

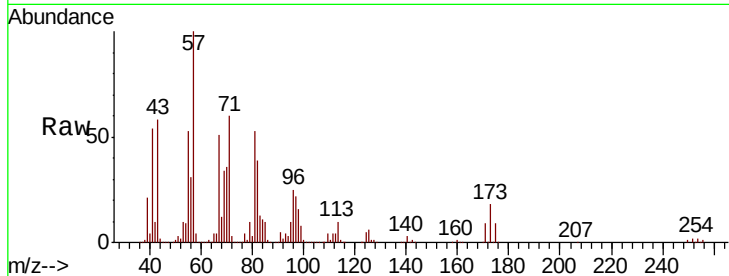
Tot Ion:173 Resp: 366963

Ion Ratio Lower Upper

173 100

175 49.5 24.3 72.9

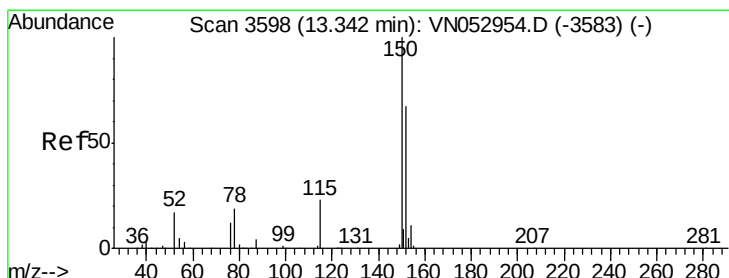
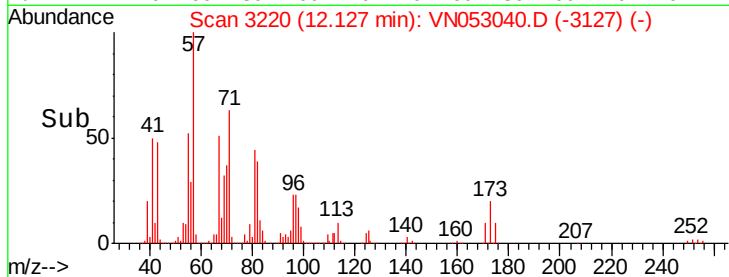
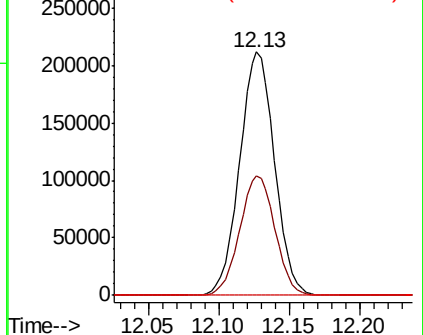
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

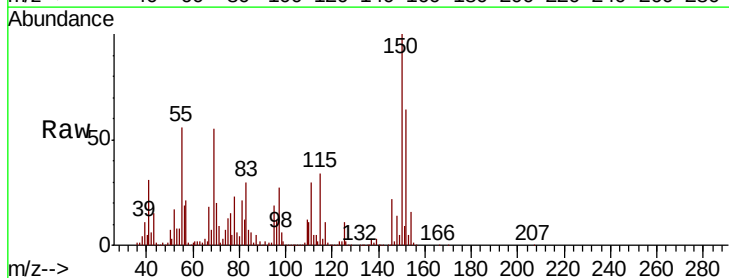
Tgt Ion:152 Resp: 678815

Ion Ratio Lower Upper

152 100

115 48.7 28.3 85.0

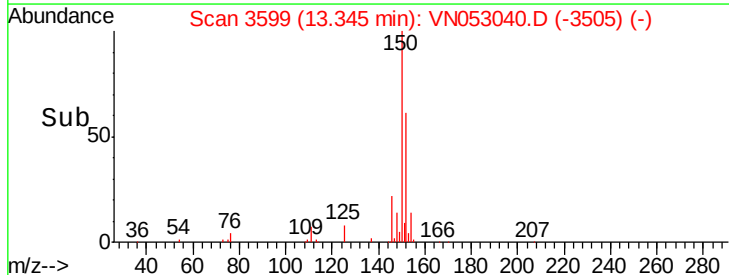
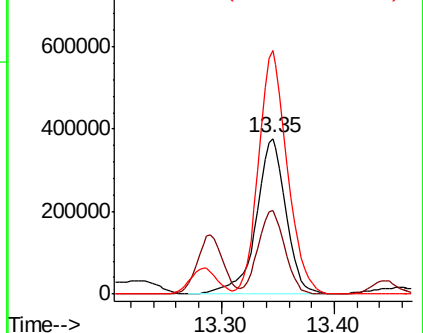
150 152.3 0.0 347.8

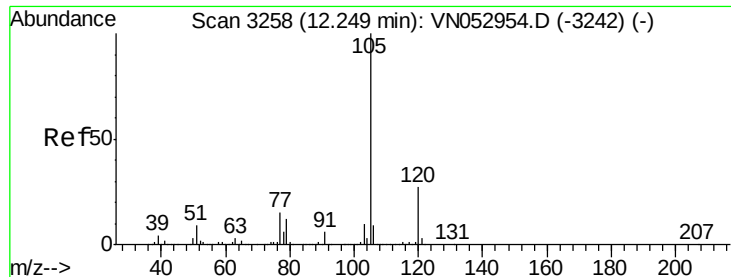


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 85.851 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

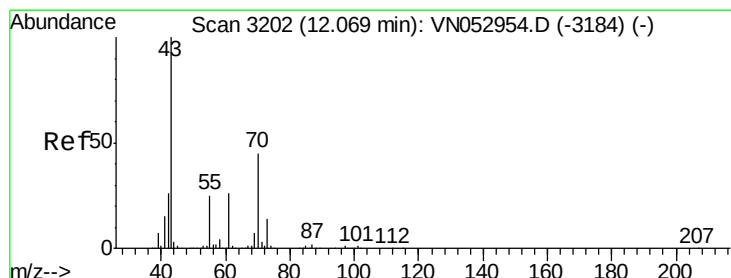
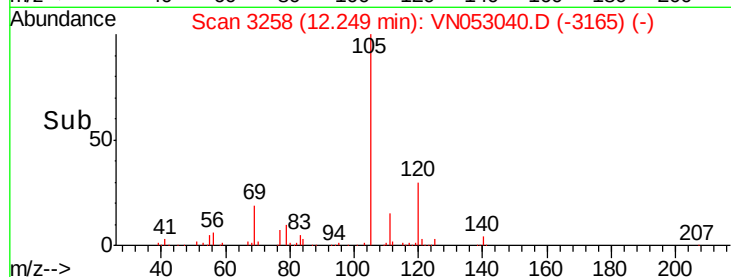
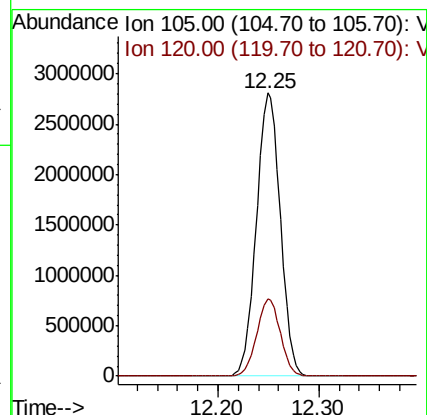
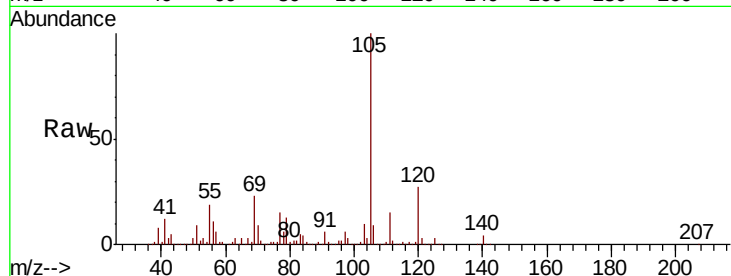
ClientSampleId :

Tot Ion:105 Resp: 4559672

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#74

N-ethyl acetate

Concen: 258.044 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Tgt Ion: 43 Resp: 3805019

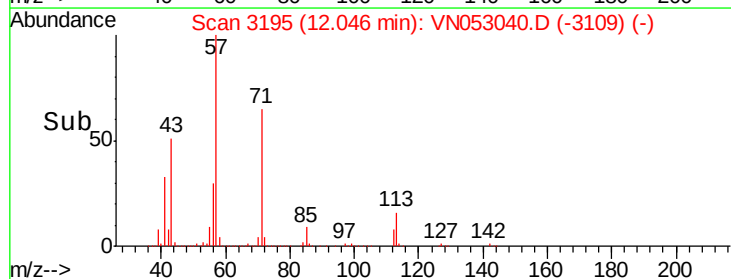
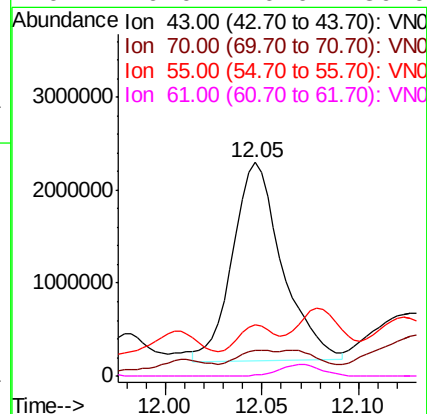
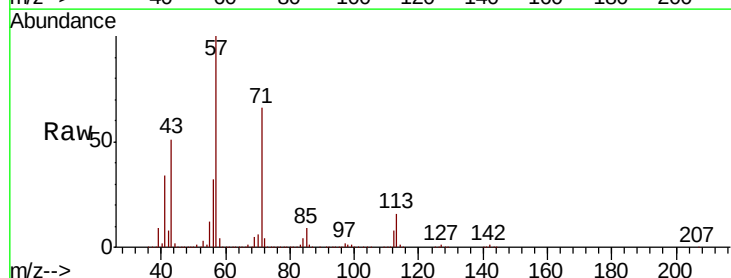
Ion Ratio Lower Upper

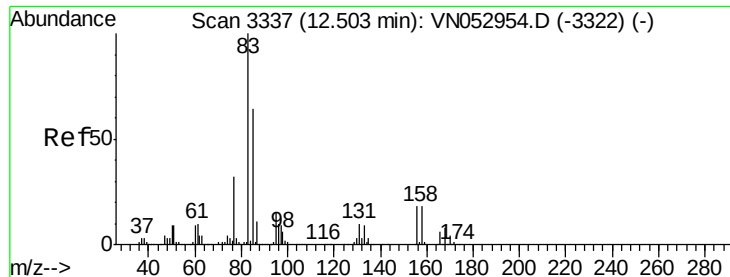
43 100

70 5.3 34.2 51.4#

55 12.4 20.3 30.5#

61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 81.774 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampleId :

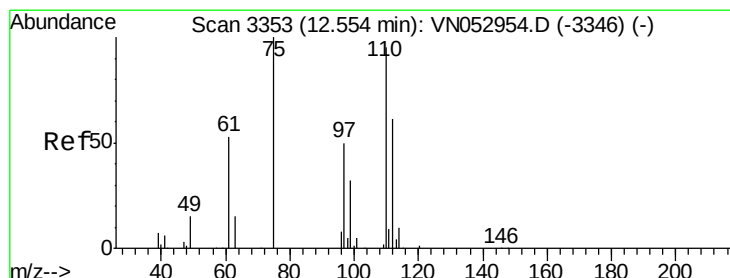
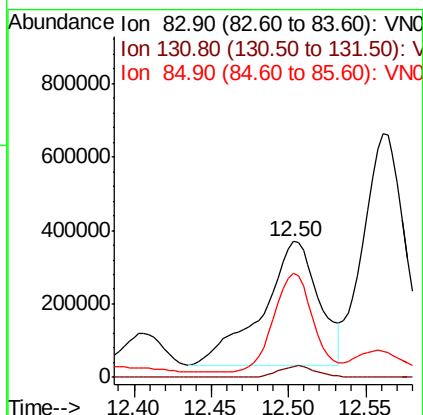
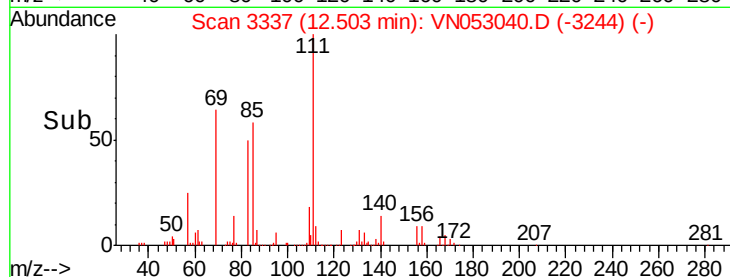
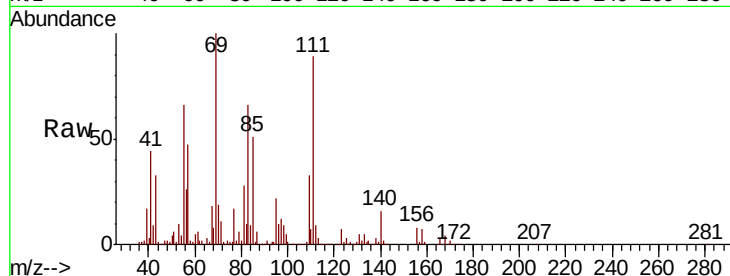
Tot Ion: 83 Resp: 852057

Ion Ratio Lower Upper

83 100

131 6.3 5.2 15.6

85 55.9 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 62.900 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053040.D

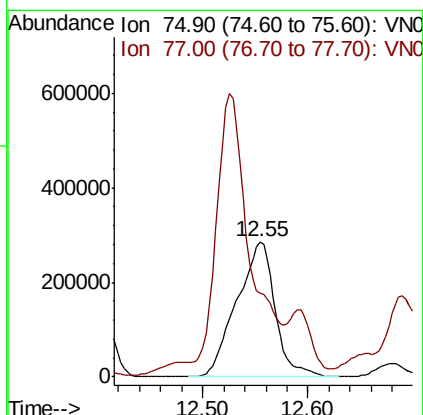
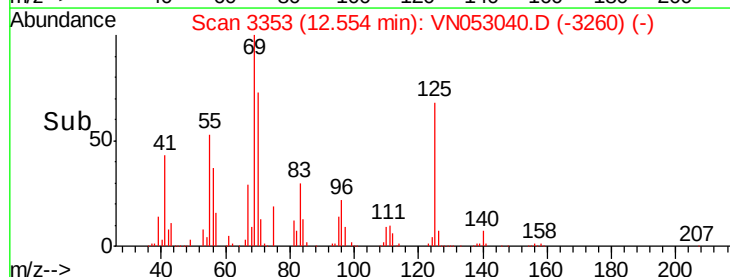
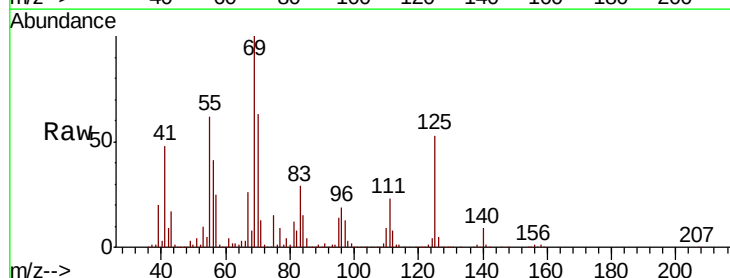
Acq: 20 Dec 2018 5:03

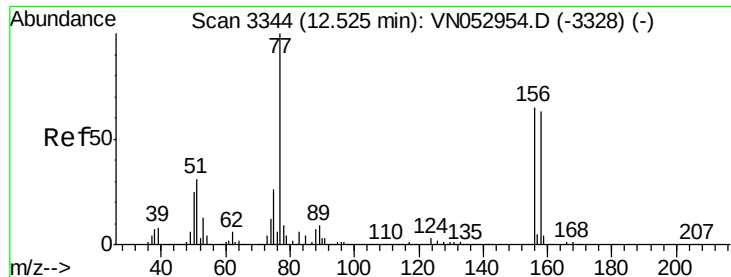
Tgt Ion: 75 Resp: 718766

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.841 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampled :

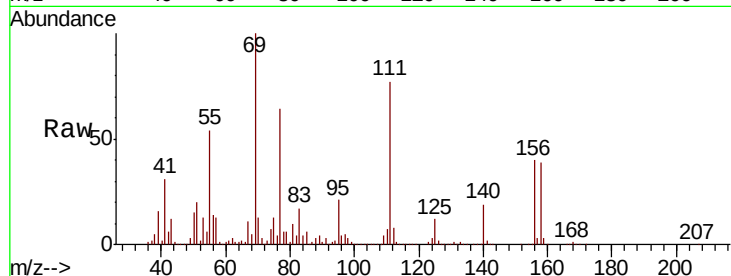
Tot Ion:156 Resp: 646683

Ion Ratio Lower Upper

156 100

77 184.9 91.3 273.8

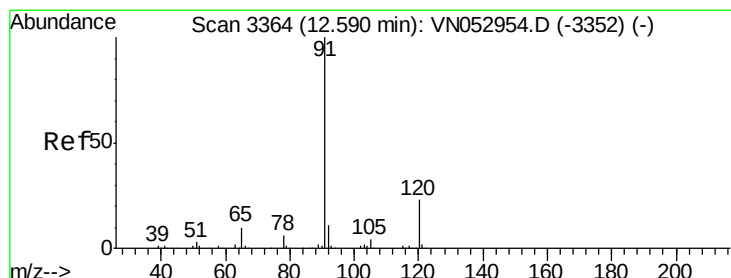
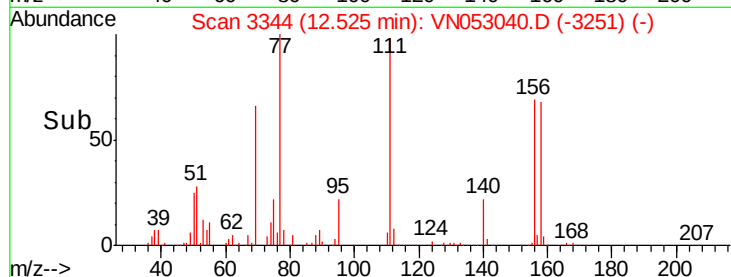
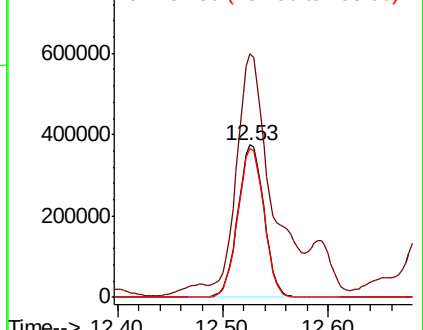
158 96.8 49.0 147.2



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: 90.525 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053040.D

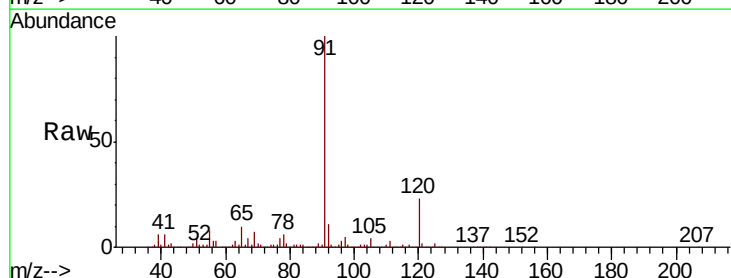
Acq: 20 Dec 2018 5:03

Tgt Ion: 91 Resp: 5475799

Ion Ratio Lower Upper

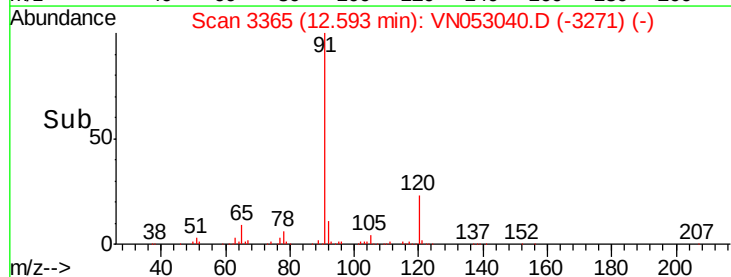
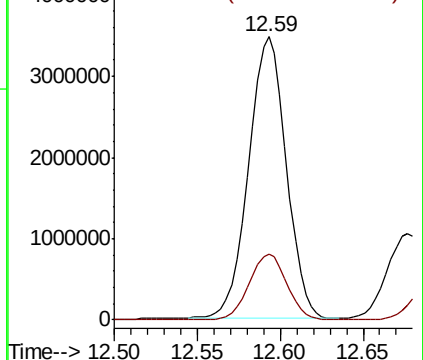
91 100

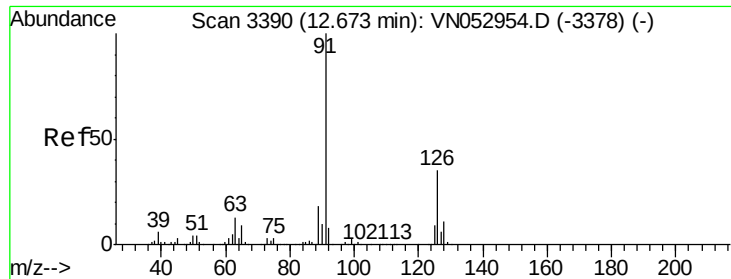
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

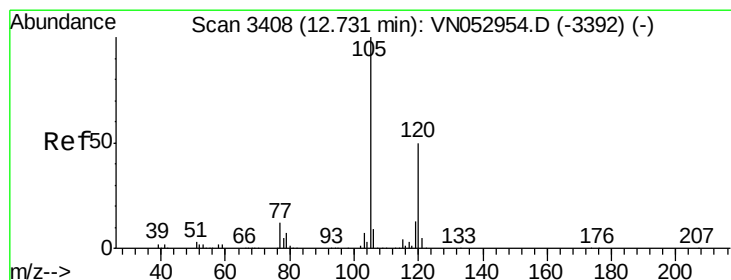
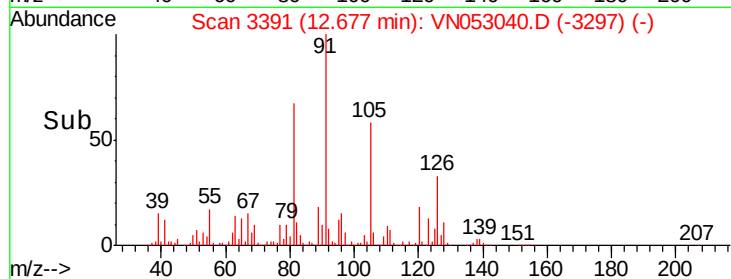
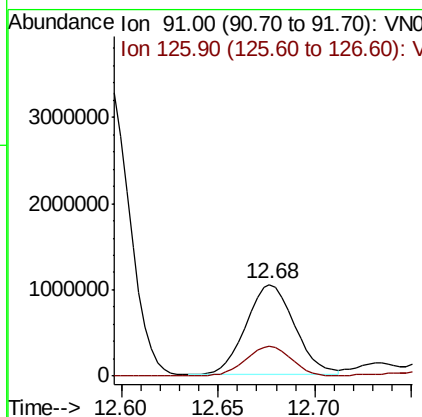
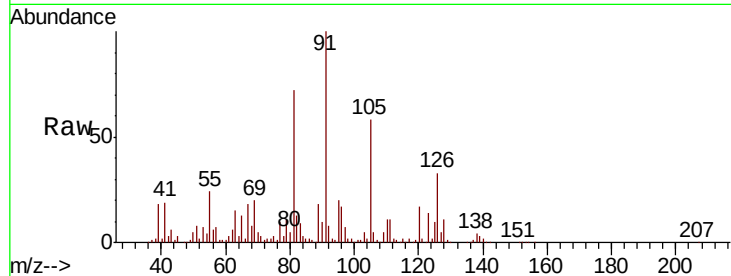




#79
 2-Chlorotoluene
 Concen: 49.193 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

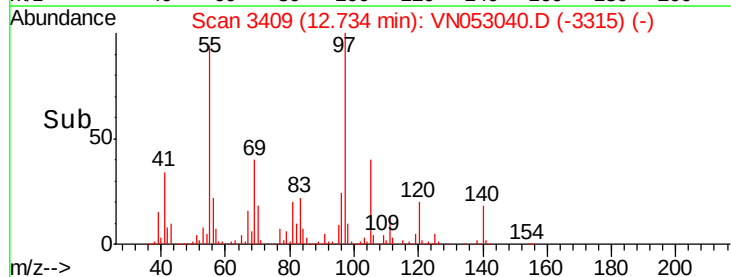
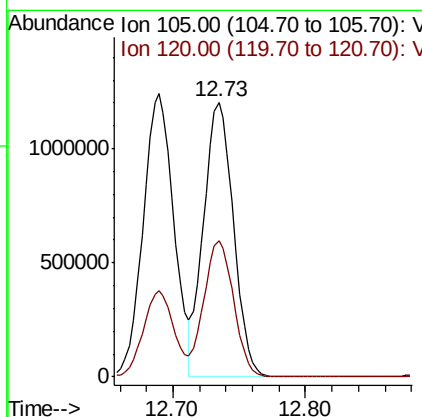
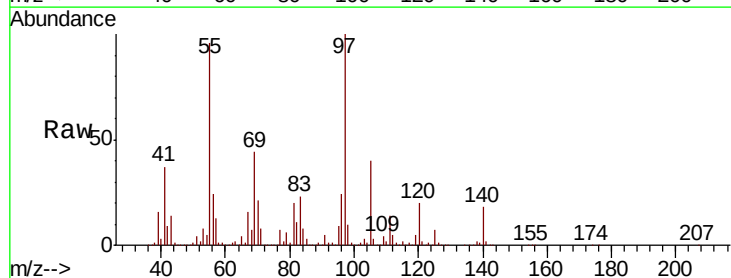
Instrument :
 MSVOA_N
 ClientSampled :

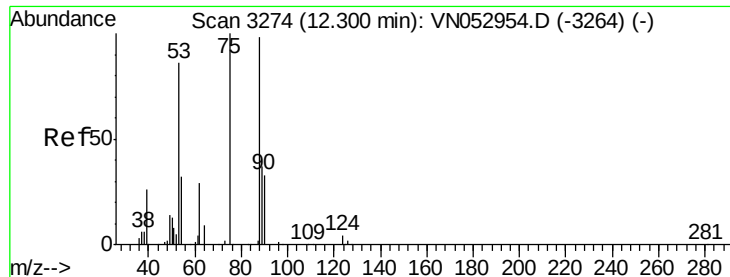
Tot Ion: 91 Resp: 1844442
 Ion Ratio Lower Upper
 91 100
 126 31.1 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 43.314 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion: 105 Resp: 1875095
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.4 73.2

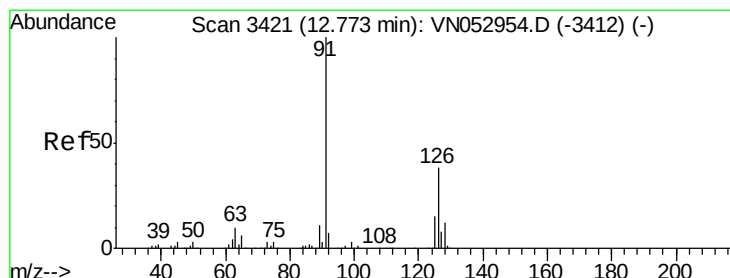
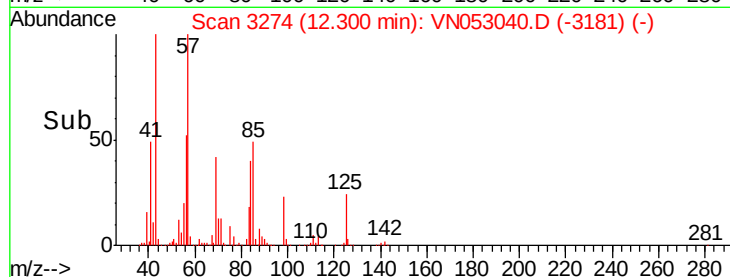
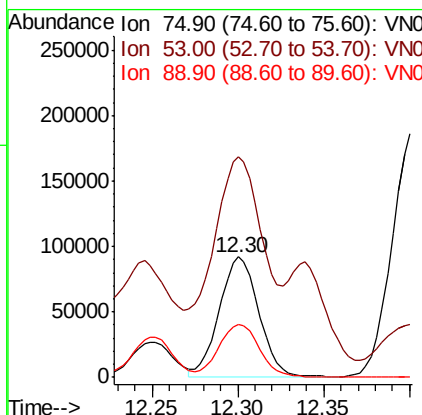
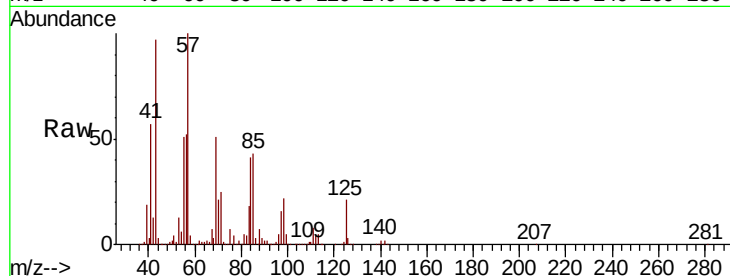




#81
trans-1,4-Dichloro-2-butene
Concen: 41.328 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

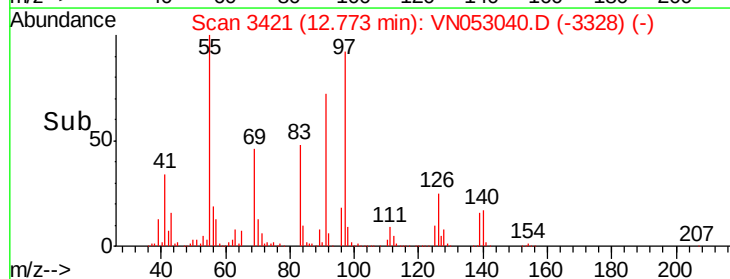
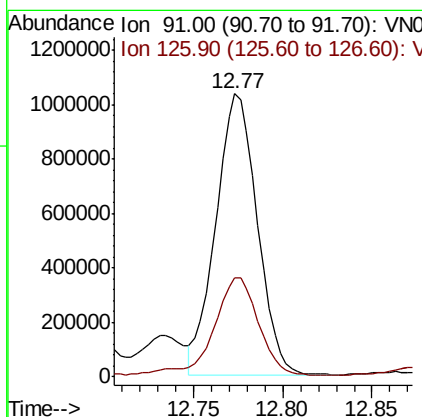
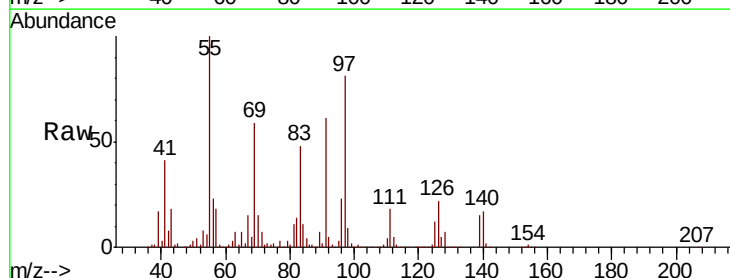
Instrument :
MSVOA_N
ClientSampled :

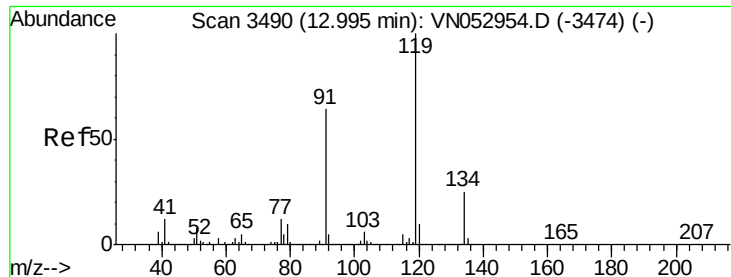
Tot Ion: 75 Resp: 146524
Ion Ratio Lower Upper
75 100
53 138.2 74.7 112.1#
89 45.3 36.1 54.1



#82
4-Chlorotoluene
Concen: 45.010 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion: 91 Resp: 1652007
Ion Ratio Lower Upper
91 100
126 38.6 17.3 51.7

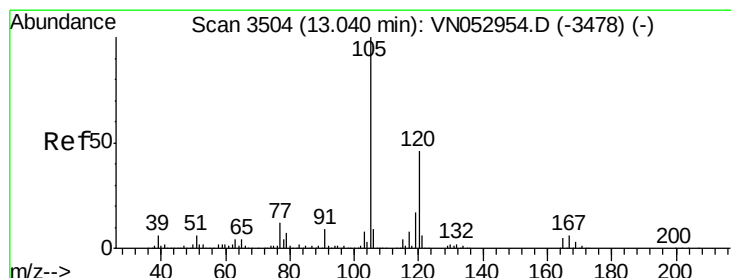
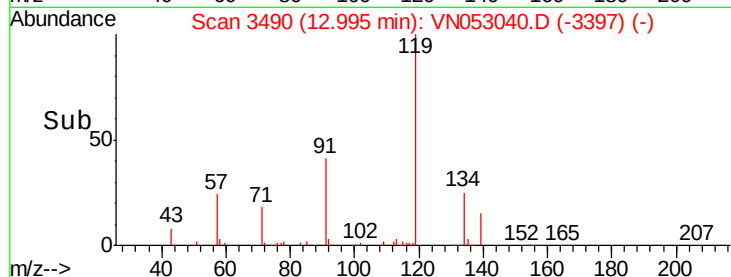
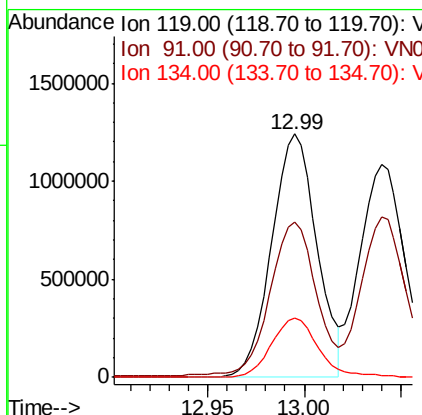
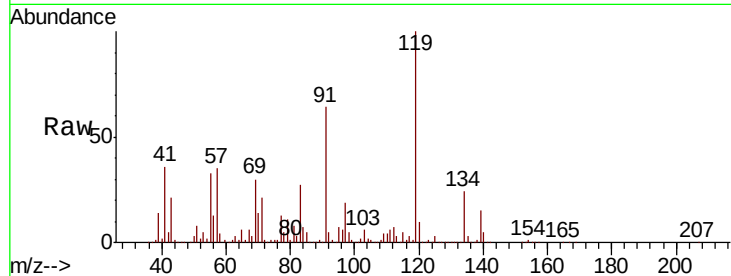




#83
 tert-Butylbenzene
 Concen: 52.541 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

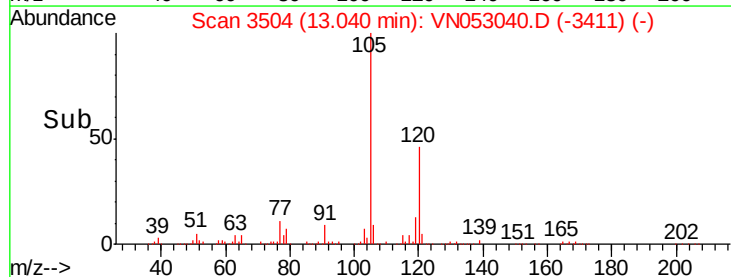
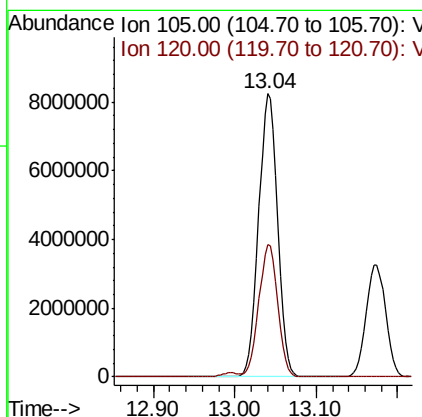
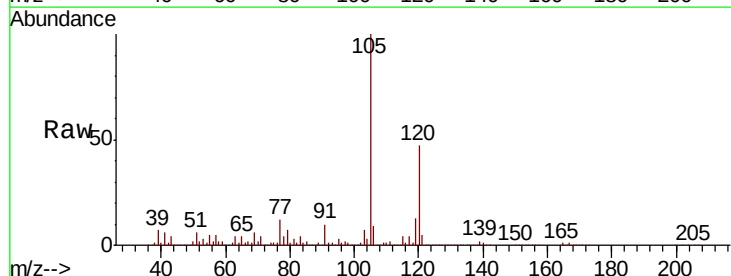
Instrument :
 MSVOA_N
 ClientSampleId :

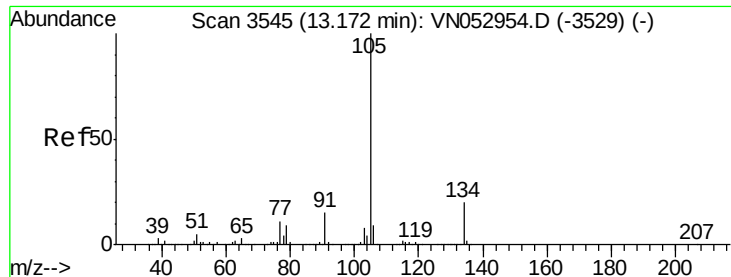
Tot Ion:119 Resp: 2011615
 Ion Ratio Lower Upper
 119 100
 91 64.6 31.9 95.5
 134 25.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 299.987 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion:105 Resp:13055143
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 103.171 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

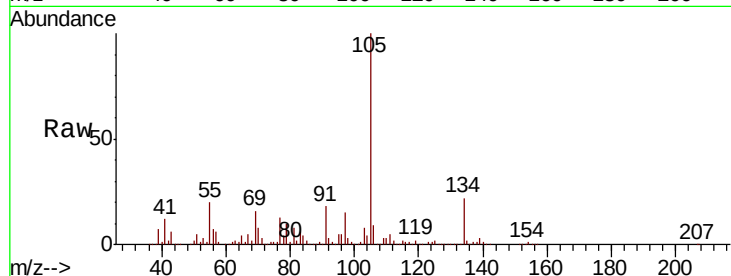
ClientSampled :

Tot Ion:105 Resp: 5342828

Ion Ratio Lower Upper

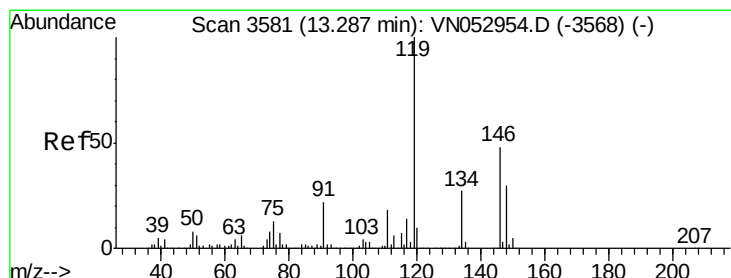
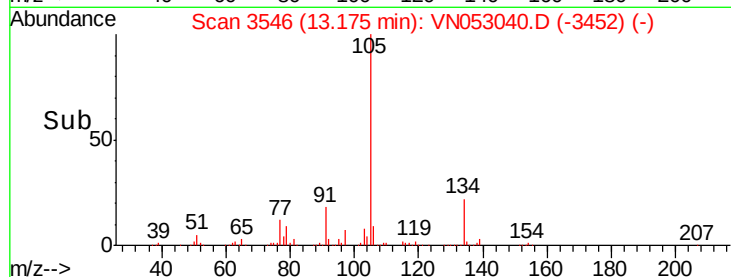
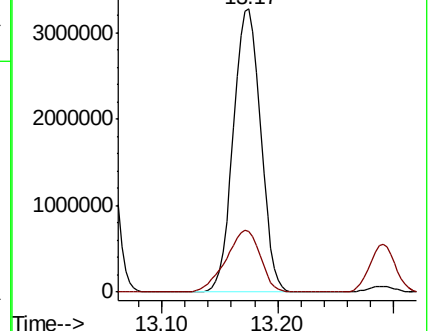
105 100

134 27.3 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: 71.420 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

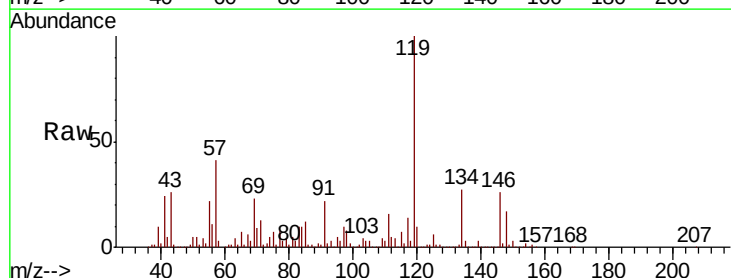
Tgt Ion:119 Resp: 3195882

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

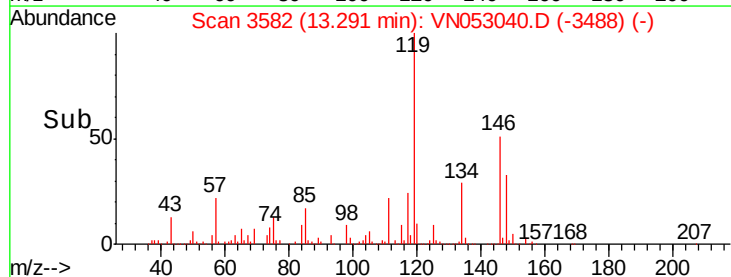
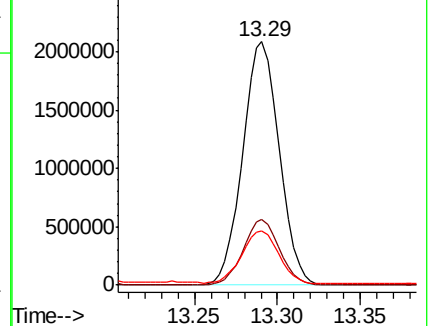
91 22.3 11.1 33.3

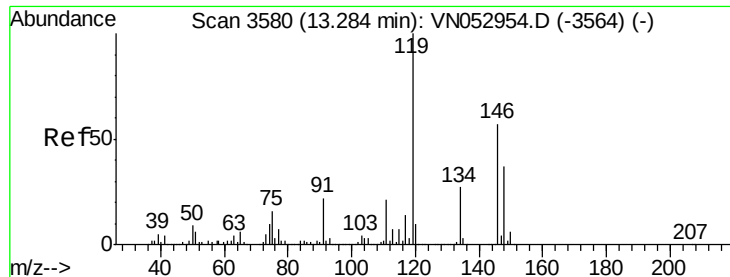


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

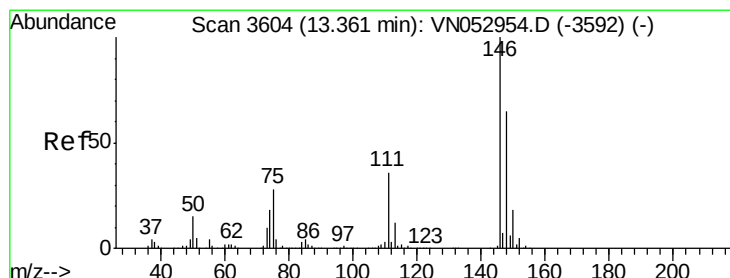
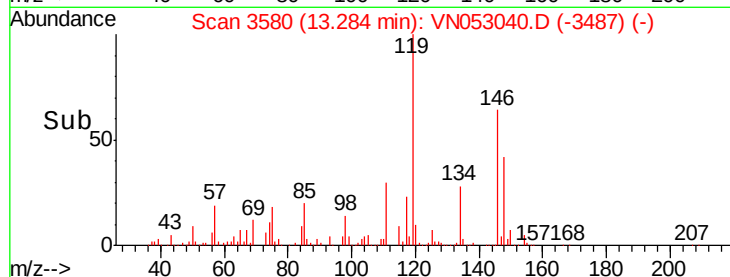
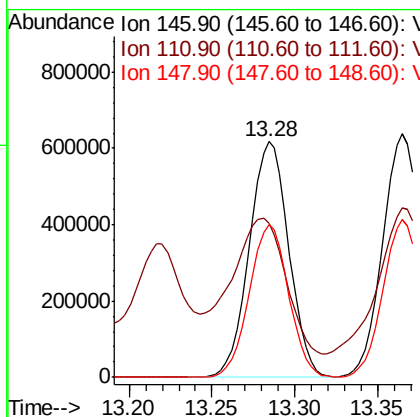
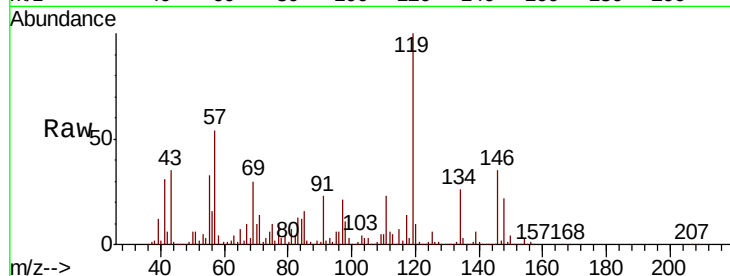




#87
 1,3-Dichlorobenzene
 Concen: 41.788 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

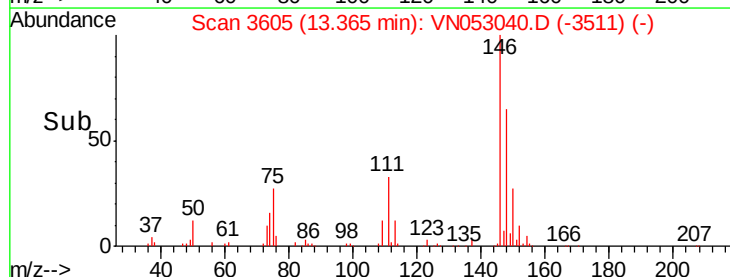
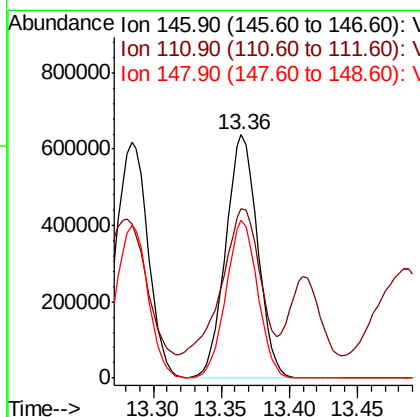
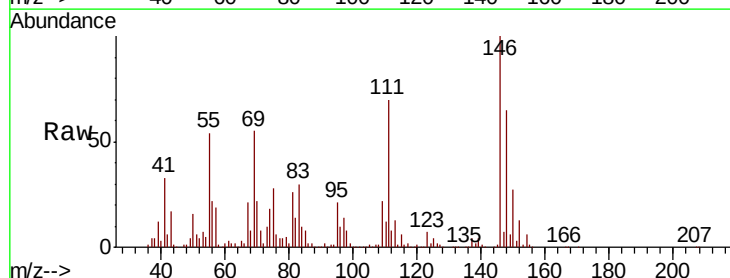
Instrument :
 MSVOA_N
 ClientSampled :

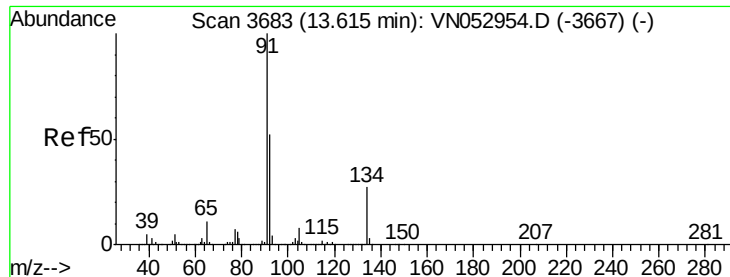
Tot Ion:146 Resp: 1021092
 Ion Ratio Lower Upper
 146 100
 111 77.5 19.1 57.1#
 148 64.5 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 41.759 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion:146 Resp: 1033329
 Ion Ratio Lower Upper
 146 100
 111 68.8 18.6 55.8#
 148 64.5 32.1 96.5





#89

n-Butylbenzene

Concen: 99.639 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053040.D

Acq: 20 Dec 2018 5:03

Instrument :

MSVOA_N

ClientSampleId :

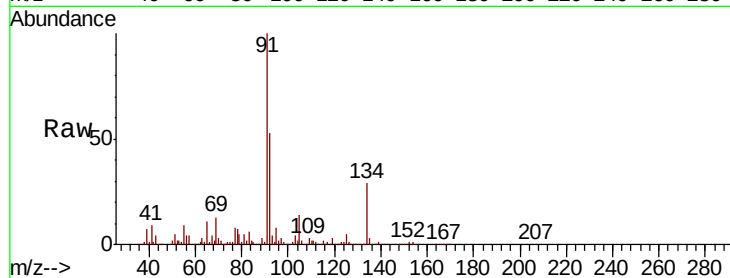
Tot Ion: 91 Resp: 3835780

Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.3	78.9
134	44.5	13.3	39.8

91 100

92 50.5 26.3 78.9

134 44.5 13.3 39.8

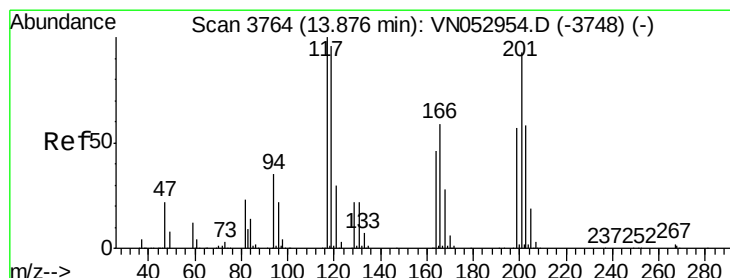
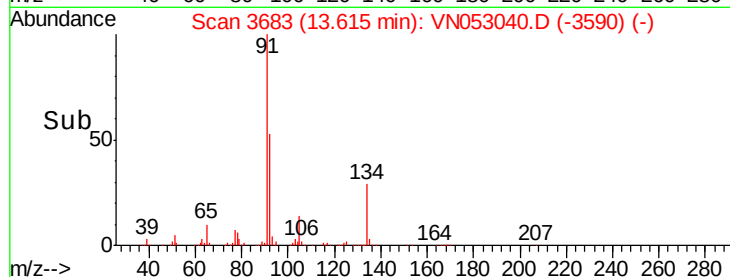
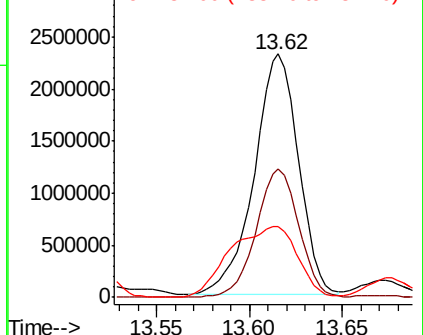


Abundance

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) (-)



#90

Hexachloroethane

Concen: 95.495 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN053040.D

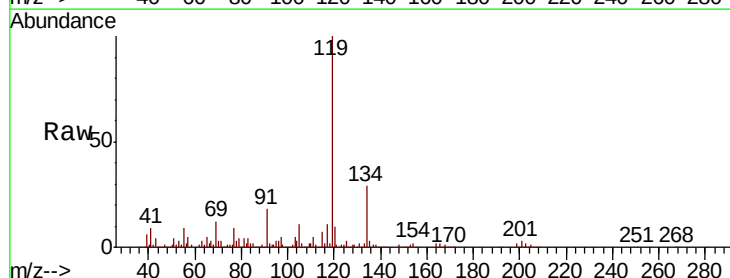
Acq: 20 Dec 2018 5:03

Tgt Ion: 117 Resp: 655748

Ion	Ratio	Lower	Upper
117	100		
201	34.6	45.7	137.1

117 100

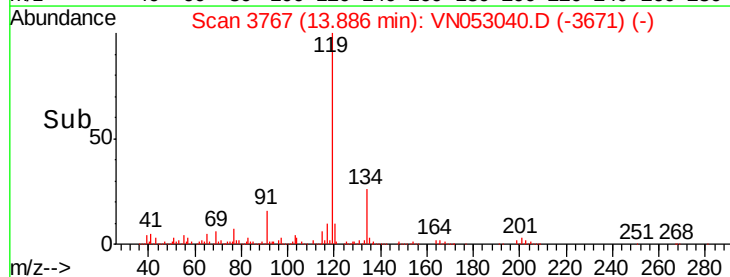
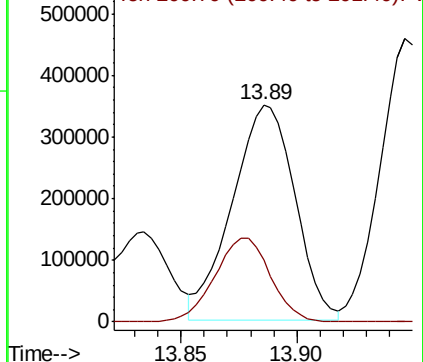
201 34.6 45.7 137.1

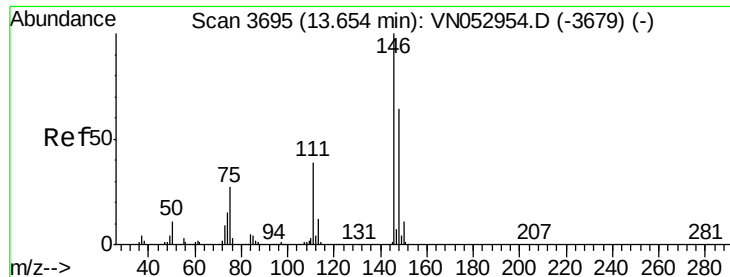


Abundance

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

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

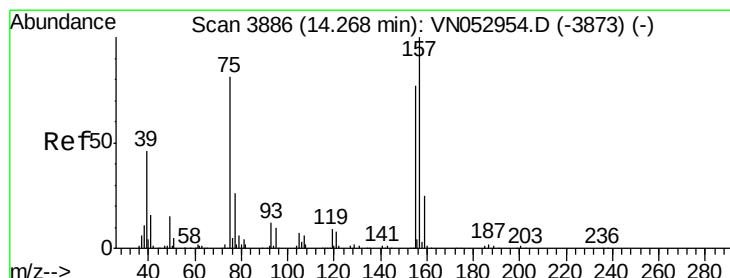
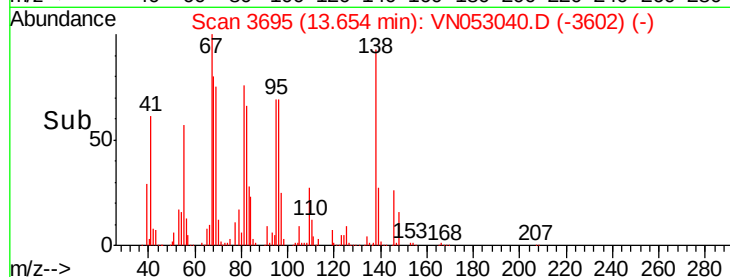
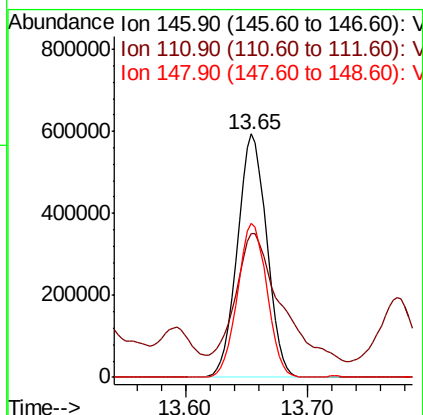
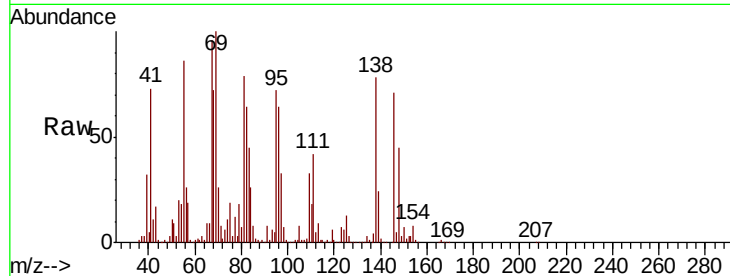




#91
 1,2-Dichlorobenzene
 Concen: 42.739 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

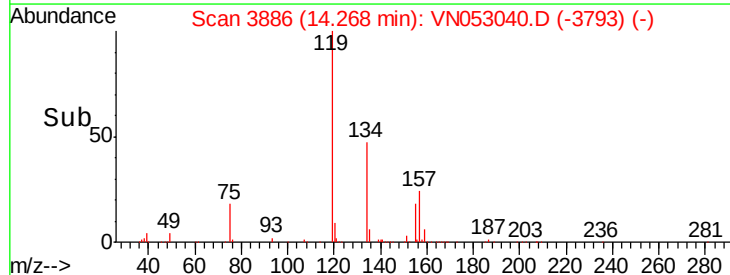
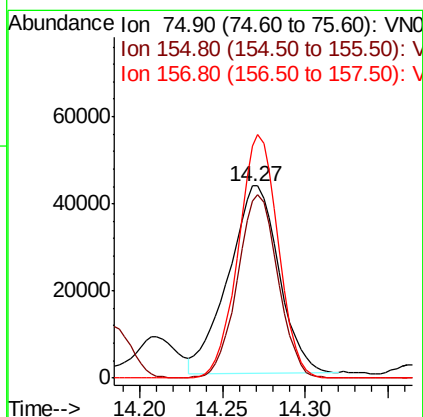
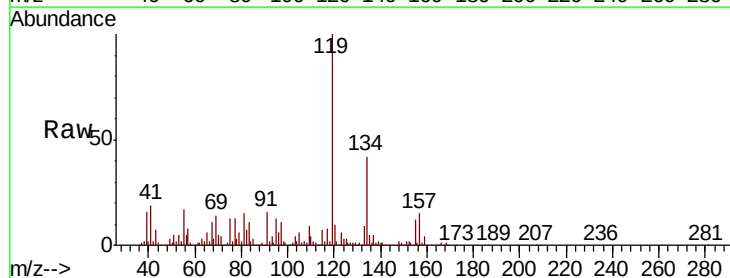
Instrument :
 MSVOA_N
 ClientSampled :

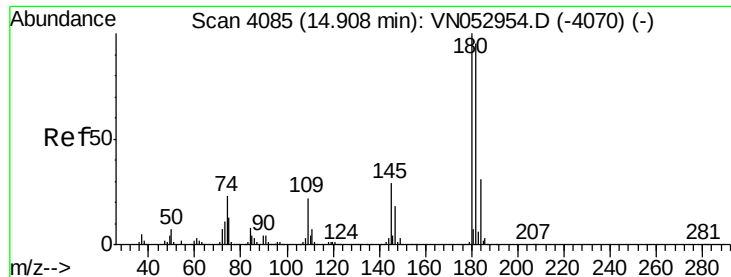
Tot Ion	Ratio	Lower	Upper
146	100		
111	81.4	19.7	59.0#
148	63.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.184 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	48.2	144.6
157	103.0	61.2	183.5

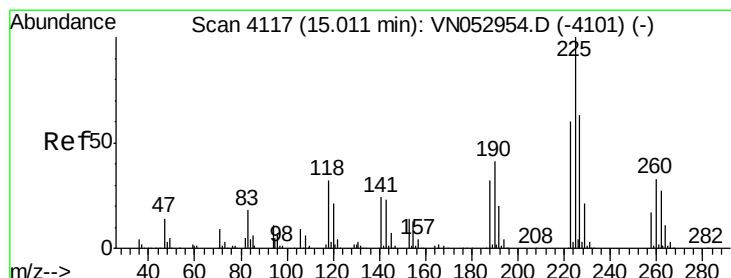
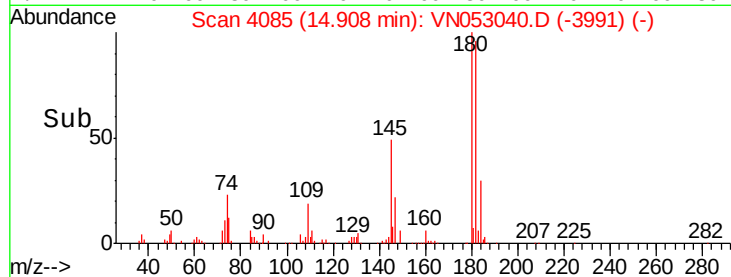
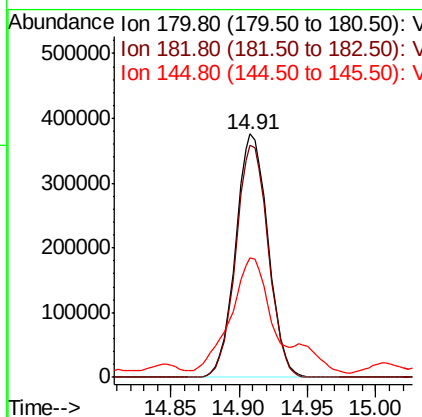
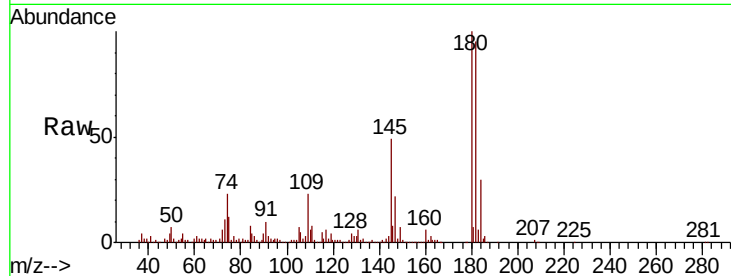




#93
 1,2,4-Trichlorobenzene
 Concen: 50.928 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

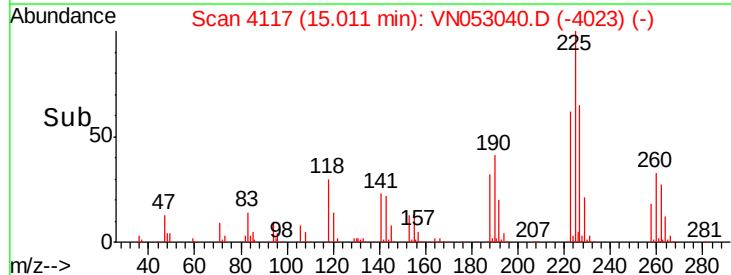
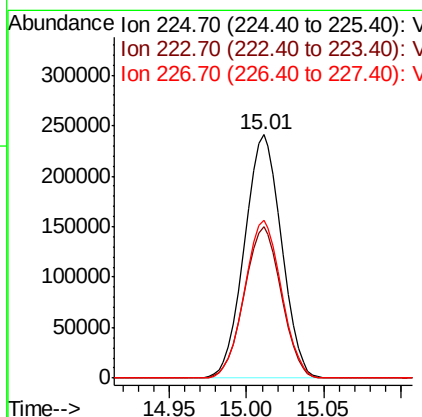
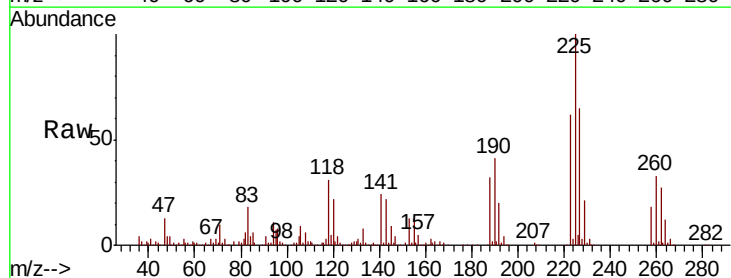
Instrument :
 MSVOA_N
 ClientSampled :

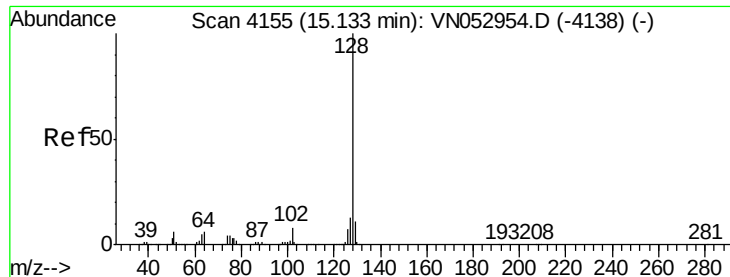
Tot Ion:180 Resp: 620633
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.8 143.3
 145 55.3 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: 64.532 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053040.D
 Acq: 20 Dec 2018 5:03

Tgt Ion:225 Resp: 401832
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.5 94.5
 227 64.9 31.9 95.7

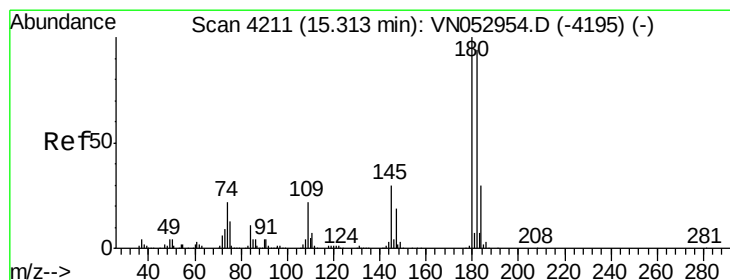
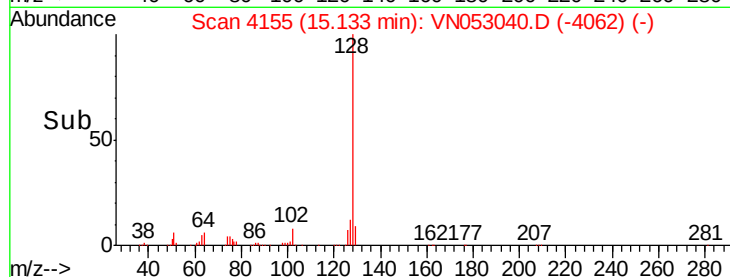
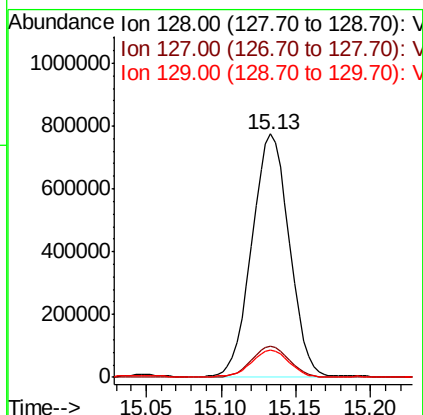
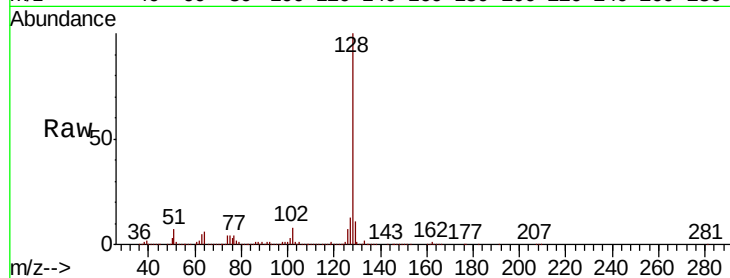




#95
Naphthalene
Concen: 50.321 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 1343237
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.582 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053040.D
Acq: 20 Dec 2018 5:03

Tgt Ion:180 Resp: 566121
Ion Ratio Lower Upper
180 100
182 94.7 47.9 143.7
145 38.6 15.0 45.0

