

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020119\
 Data File : VN053577.D
 Acq On : 1 Feb 2019 15:35
 Operator : JC/SP
 Sample : VN0201WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Quant Time: Feb 01 22:50:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1006110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	874330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	418441	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	349478	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
35) Dibromofluoromethane	7.59	113	336024	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	10.09	98	1225698	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.40	95	405745	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	147754	20.689	ug/l	99
3) Chloromethane	2.06	50	156005	20.544	ug/l	99
4) Vinyl Chloride	2.18	62	155858	21.143	ug/l	100
5) Bromomethane	2.57	94	97144	20.155	ug/l	99
6) Chloroethane	2.71	64	87130	20.684	ug/l	100
7) Trichlorofluoromethane	3.02	101	204325	20.440	ug/l	97
8) Diethyl Ether	3.41	74	74023	20.276	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127056	20.552	ug/l	98
10) Methyl Iodide	3.95	142	179628	18.512	ug/l	99
11) Tert butyl alcohol	4.79	59	42020	110.650	ug/l	98
12) 1,1-Dichloroethene	3.74	96	122394	20.664	ug/l	98
13) Acrolein	3.61	56	12802	61.917	ug/l	98
14) Allyl chloride	4.32	41	189431	20.086	ug/l	98
15) Acrylonitrile	4.99	53	227690	111.062	ug/l	100
16) Acetone	3.82	43	184614	112.166	ug/l	100
17) Carbon Disulfide	4.05	76	362506	19.655	ug/l	99
18) Methyl Acetate	4.33	43	104389	21.416	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	321463	21.409	ug/l	98
20) Methylene Chloride	4.55	84	143534	20.786	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	128377	20.090	ug/l	99
22) Diisopropyl ether	5.95	45	362254	20.730	ug/l	95
23) Vinyl Acetate	5.90	43	1299712	107.515	ug/l	98
24) 1,1-Dichloroethane	5.85	63	241402	20.712	ug/l	99
25) 2-Butanone	6.84	43	255599	108.885	ug/l	100
26) 2,2-Dichloropropane	6.82	77	176581	19.847	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149370	21.021	ug/l	97
28) Bromochloromethane	7.19	49	95121	18.806	ug/l	98
29) Tetrahydrofuran	7.21	42	172998	114.770	ug/l	100
30) Chloroform	7.37	83	237010	20.513	ug/l	99
31) Cyclohexane	7.65	56	216685	19.866	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	199048	20.701	ug/l	99
36) 1,1-Dichloropropene	7.79	75	176278	19.436	ug/l	98
37) Ethyl Acetate	6.93	43	113029	22.314	ug/l	99
38) Carbon Tetrachloride	7.77	117	176965	19.369	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203570	18.919	ug/l	98
40) Benzene	8.04	78	550321	19.677	ug/l	99
41) Methacrylonitrile	7.18	41	57759	20.402	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	163482	19.687	ug/l	98
43) Isopropyl Acetate	8.17	43	189369	19.358	ug/l #	88
44) Trichloroethene	8.83	130	153194	19.240	ug/l	100
45) 1,2-Dichloropropane	9.12	63	143774	20.099	ug/l	98
46) Dibromomethane	9.21	93	88052	20.419	ug/l	98
47) Bromodichloromethane	9.40	83	180624	20.146	ug/l	100
48) Methyl methacrylate	9.20	41	90763	19.437	ug/l	94
49) 1,4-Dioxane	9.20	88	26994	422.461	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	510000	106.095	ug/l	100
52) Toluene	10.16	92	330145	19.890	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	172812	19.248	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	207954	19.547	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	123827	20.703	ug/l	99
56) Ethyl methacrylate	10.43	69	142436	20.130	ug/l	100
57) 1,3-Dichloropropane	10.71	76	206852	20.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	385423	93.026	ug/l	99
59) 2-Hexanone	10.75	43	332790	101.978	ug/l	100
60) Dibromochloromethane	10.90	129	134861	19.995	ug/l	99
61) 1,2-Dibromoethane	11.01	107	116521	19.683	ug/l	99
64) Tetrachloroethene	10.63	164	146002	19.480	ug/l	99
65) Chlorobenzene	11.43	112	363534	19.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	129438	19.957	ug/l	99
67) Ethyl Benzene	11.51	91	594491	19.487	ug/l	100
68) m/p-Xylenes	11.62	106	467950	40.189	ug/l	99
69) o-Xylene	11.95	106	226175	20.107	ug/l	99
70) Styrene	11.96	104	368710	20.223	ug/l	100
71) Bromoform	12.13	173	91920	20.672	ug/l #	100
73) Isopropylbenzene	12.25	105	592673	20.148	ug/l	99
74) N-amyl acetate	12.07	43	137886	19.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	141459	20.094	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	172722	32.137	ug/l #	100
77) Bromobenzene	12.53	156	155508	19.616	ug/l	99
78) n-propylbenzene	12.59	91	676609	19.897	ug/l	99
79) 2-Chlorotoluene	12.67	91	404337	20.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	504593	20.686	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37253	19.490	ug/l	99
82) 4-Chlorotoluene	12.77	91	410610	19.834	ug/l	99
83) tert-Butylbenzene	12.99	119	445795	20.678	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	502746	20.230	ug/l	98
85) sec-Butylbenzene	13.17	105	597920	20.381	ug/l	99
86) p-Isopropyltoluene	13.29	119	515229	20.080	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	276489	19.401	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271265	19.242	ug/l	99
89) n-Butylbenzene	13.62	91	432741	19.485	ug/l	100
90) Hexachloroethane	13.87	117	84168	19.887	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	271006	19.863	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20793	20.724	ug/l	95

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Instrument :
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

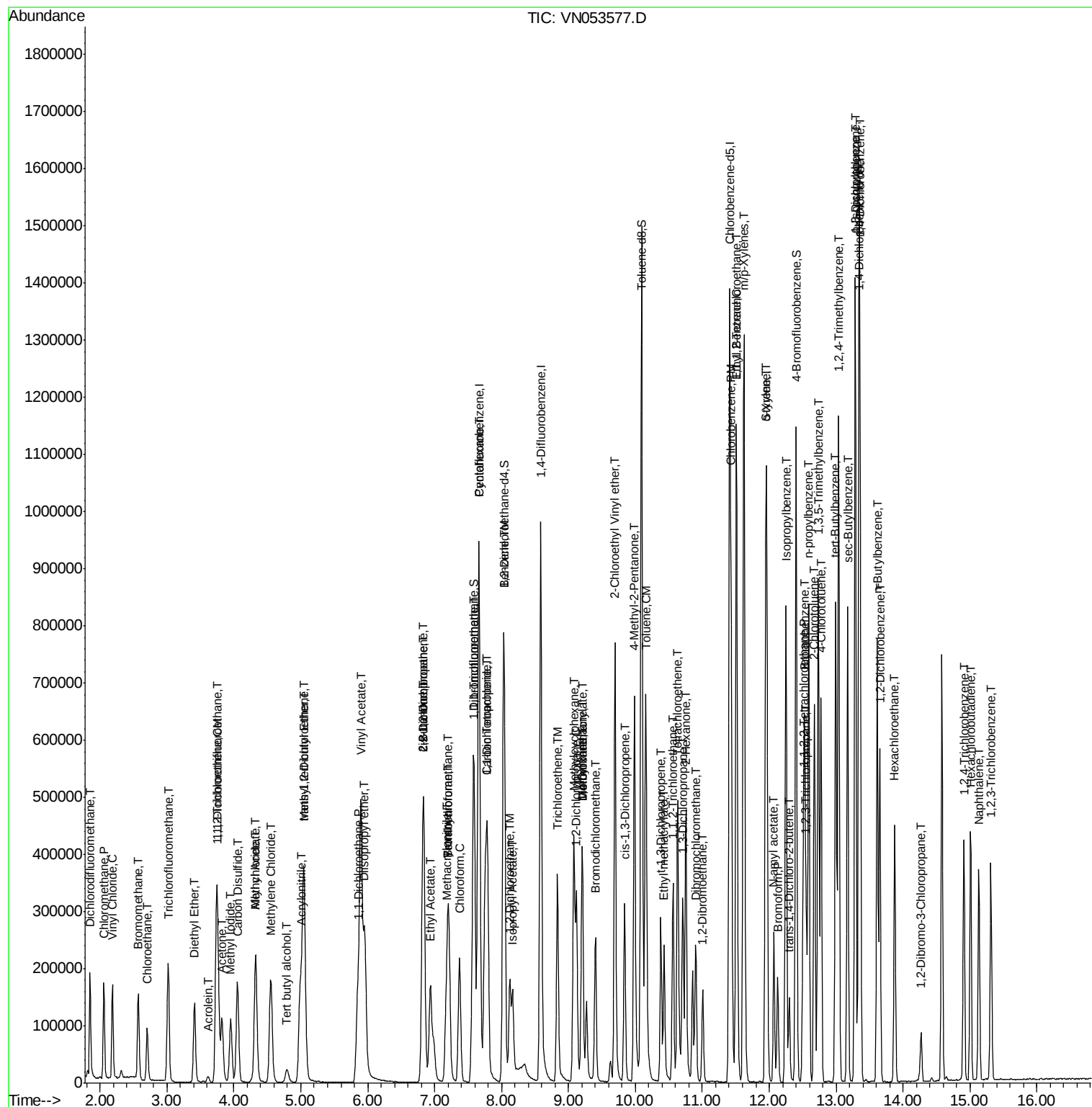
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148771	19.012	ug/l	99
94) Hexachlorobutadiene	15.01	225	97941	20.098	ug/l	99
95) Naphthalene	15.13	128	326476	18.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	143722	19.795	ug/l	99

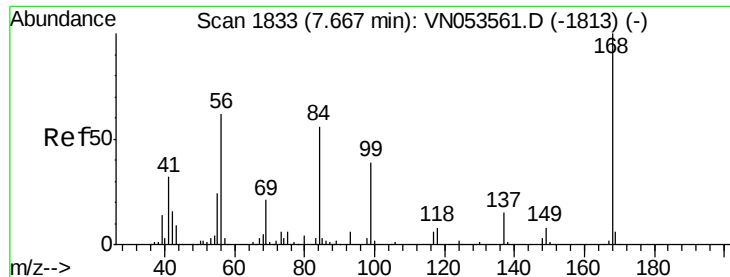
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

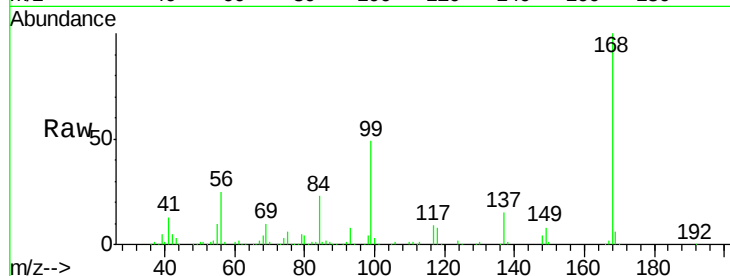
VN0201WBS01

Tot Ion:168 Resp: 639627

Ion Ratio Lower Upper

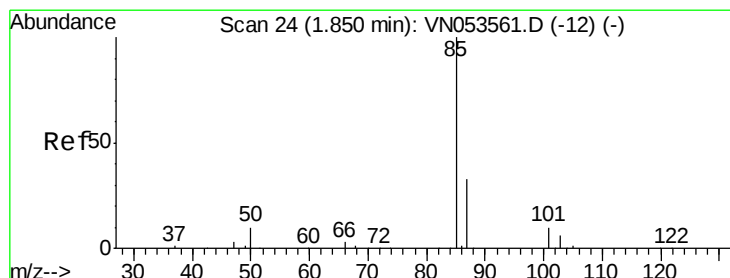
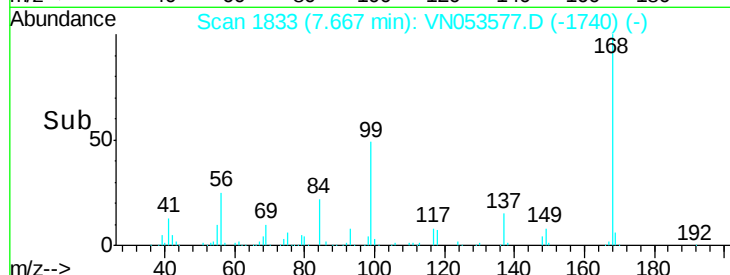
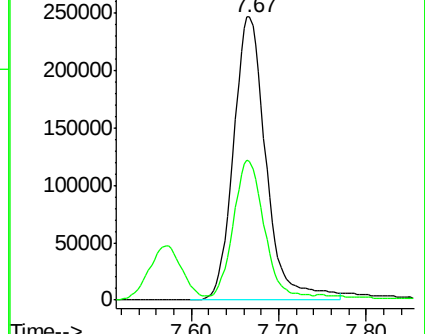
168 100

99 47.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.689 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053577.D

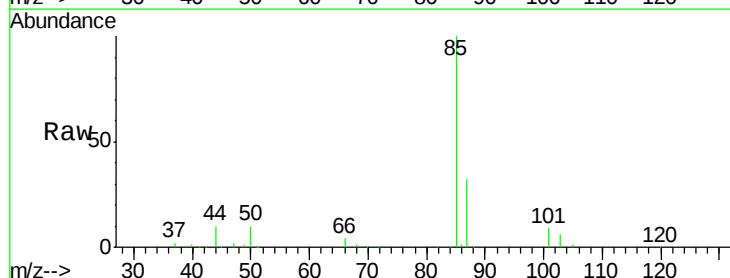
Acq: 1 Feb 2019 15:35

Tgt Ion: 85 Resp: 147754

Ion Ratio Lower Upper

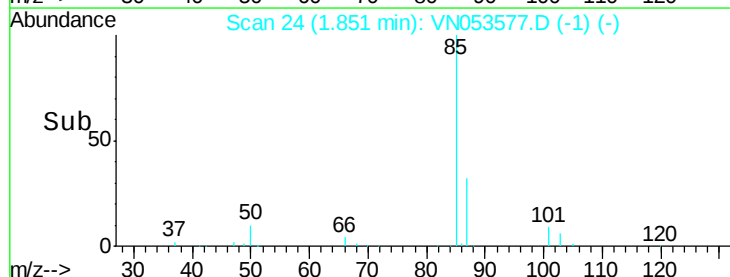
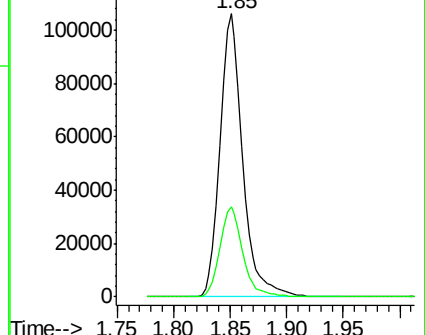
85 100

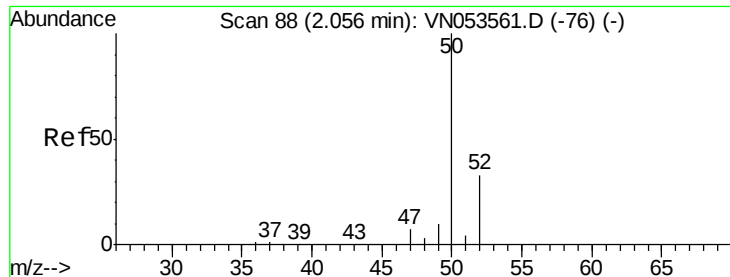
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.544 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

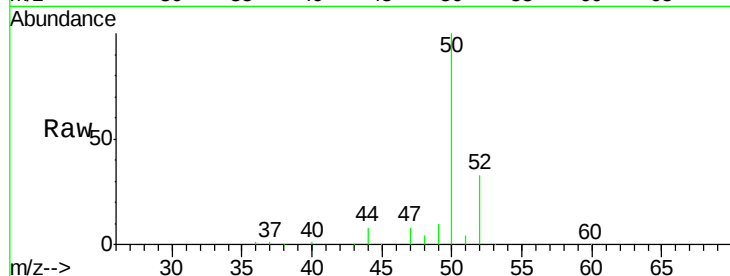
VN0201WBS01

Tot Ion: 50 Resp: 156005

Ion Ratio Lower Upper

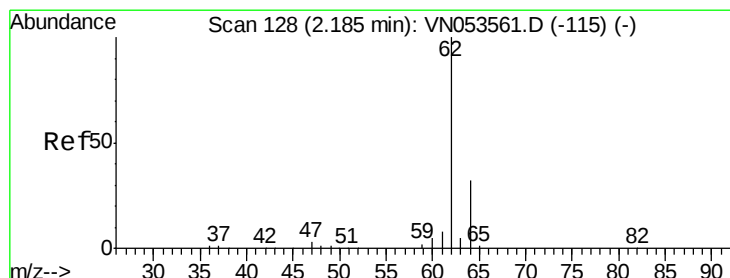
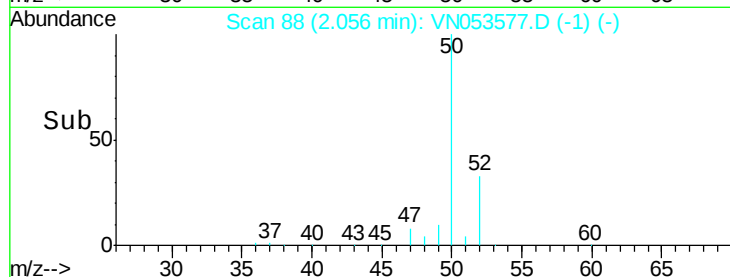
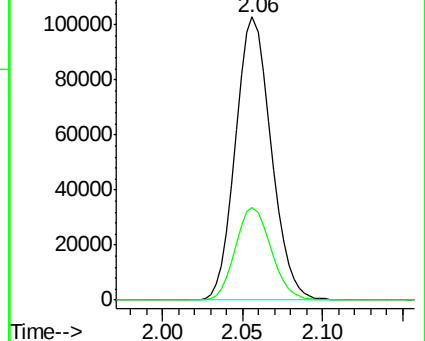
50 100

52 32.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.143 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053577.D

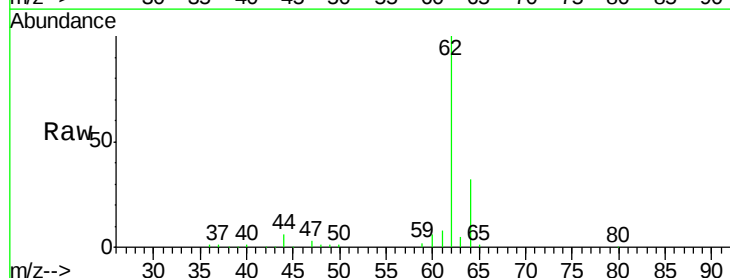
Acq: 1 Feb 2019 15:35

Tgt Ion: 62 Resp: 155858

Ion Ratio Lower Upper

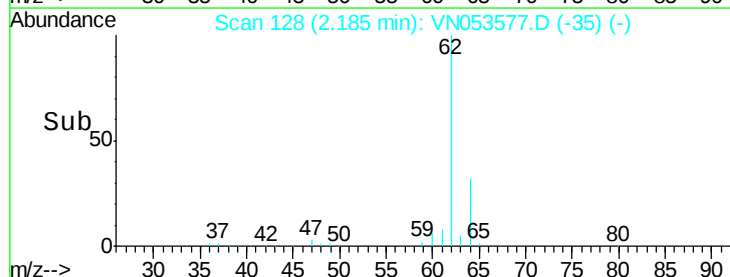
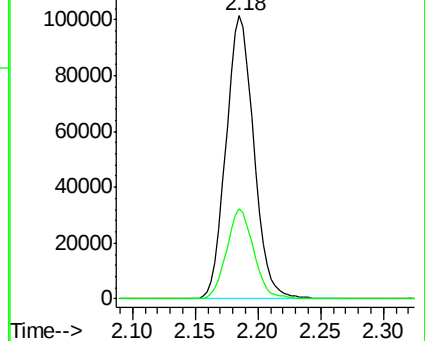
62 100

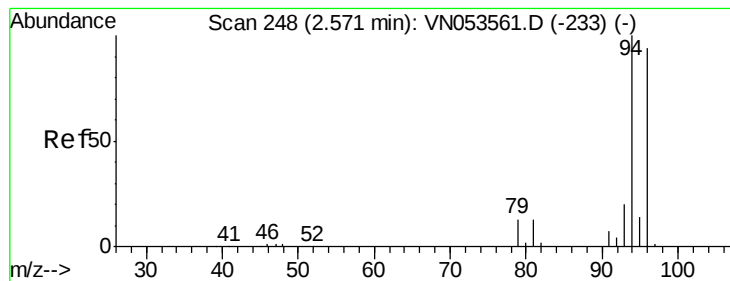
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.155 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

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ClientSampleId :

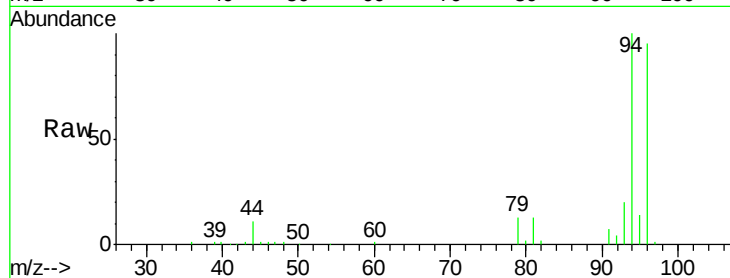
VN0201WBS01

Tot Ion: 94 Resp: 97144

Ion Ratio Lower Upper

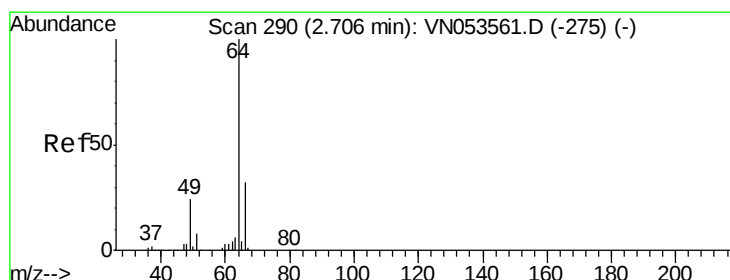
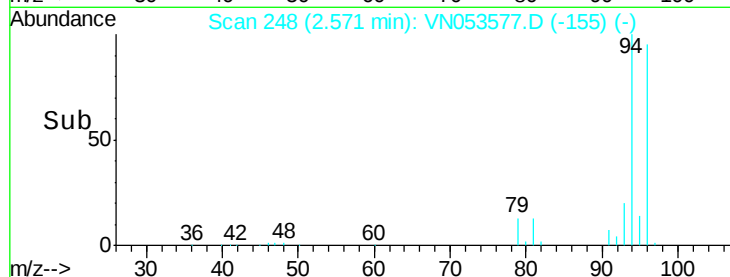
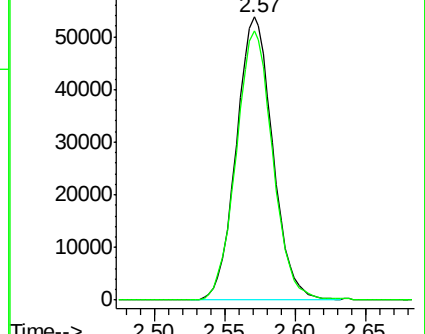
94 100

96 95.1 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.684 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053577.D

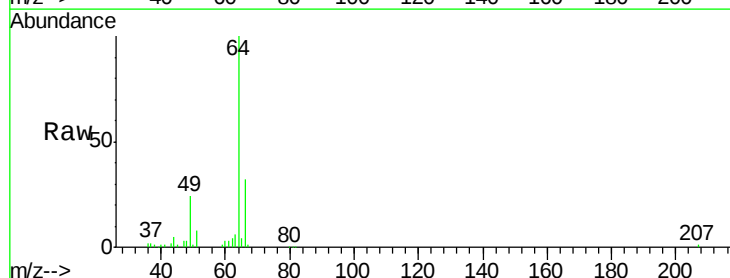
Acq: 1 Feb 2019 15:35

Tgt Ion: 64 Resp: 87130

Ion Ratio Lower Upper

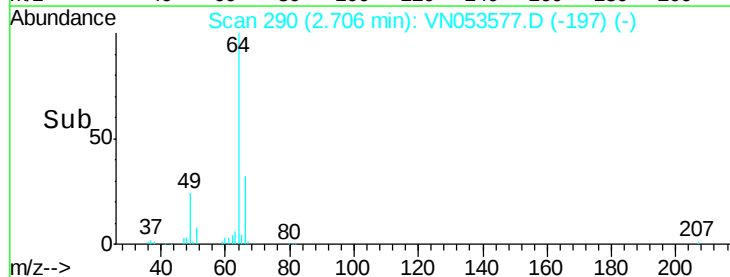
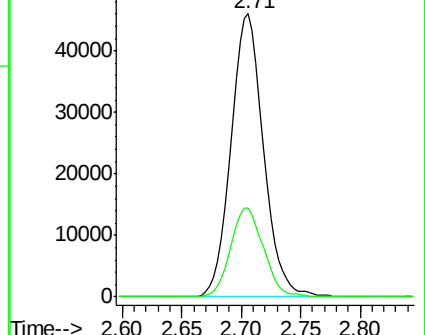
64 100

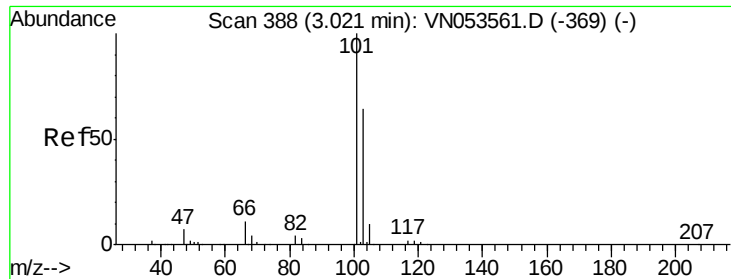
66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



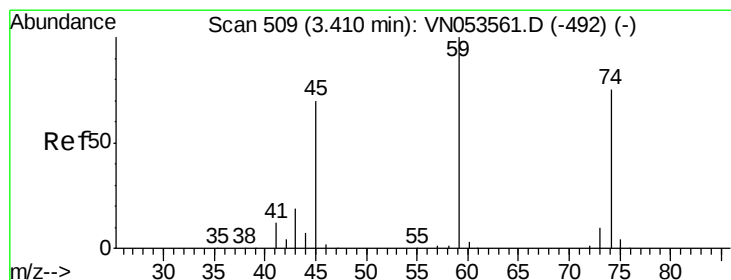
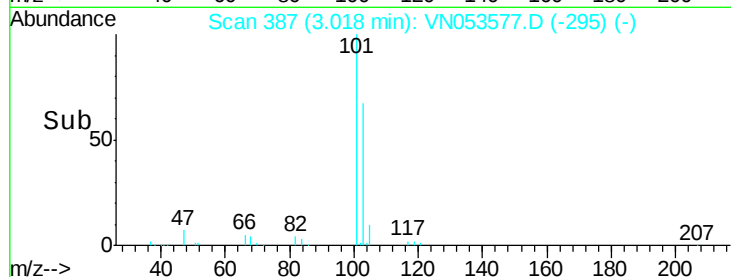
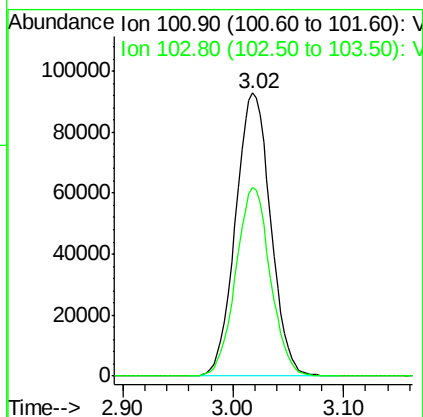
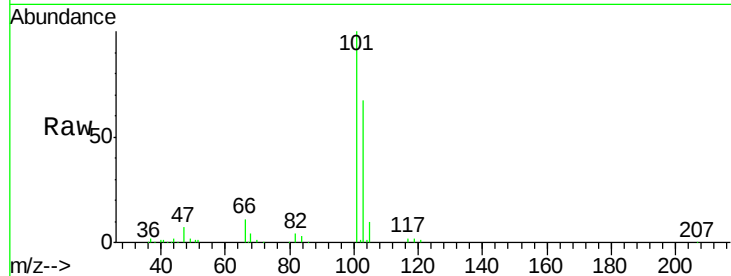


#7

Trichlorofluoromethane
Concen: 20.440 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

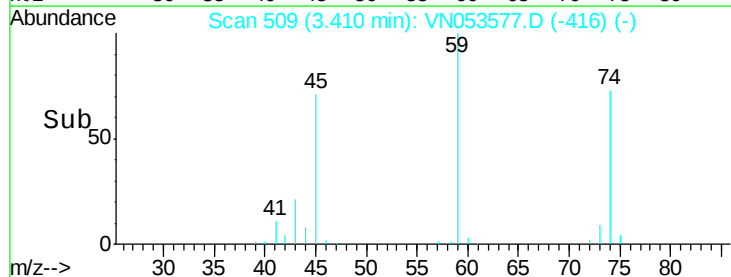
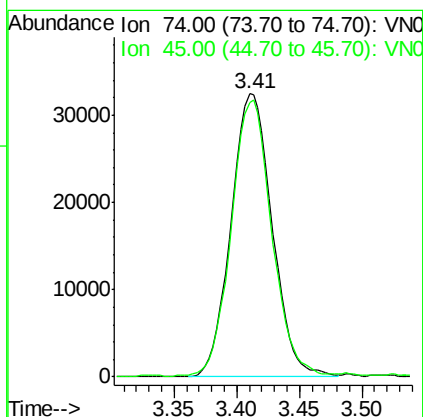
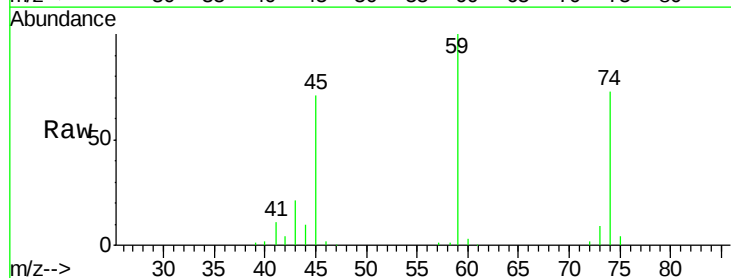
Tot Ion:101 Resp: 204325
Ion Ratio Lower Upper
101 100
103 66.5 51.6 77.4

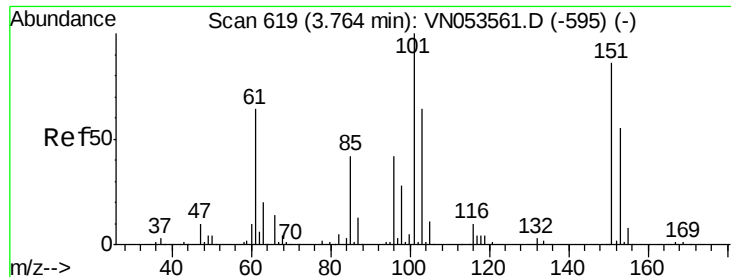


#8

Diethyl Ether
Concen: 20.276 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 74 Resp: 74023
Ion Ratio Lower Upper
74 100
45 96.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.552 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

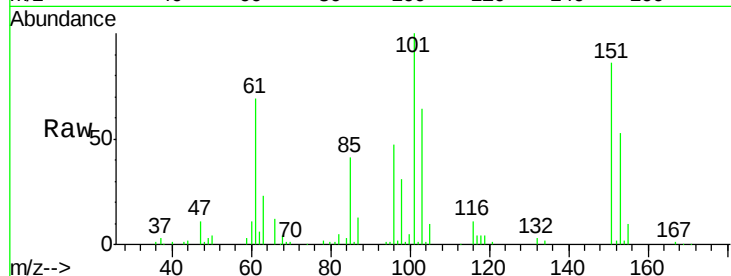
Tot Ion:101 Resp: 127056

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

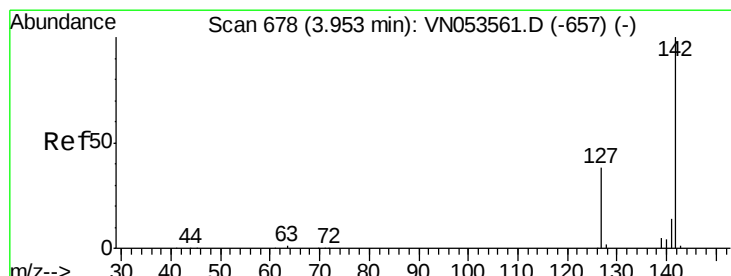
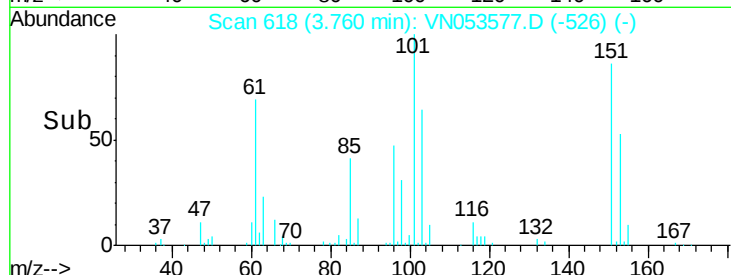
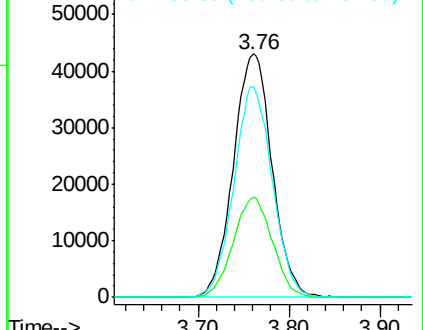
151 86.1 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.512 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

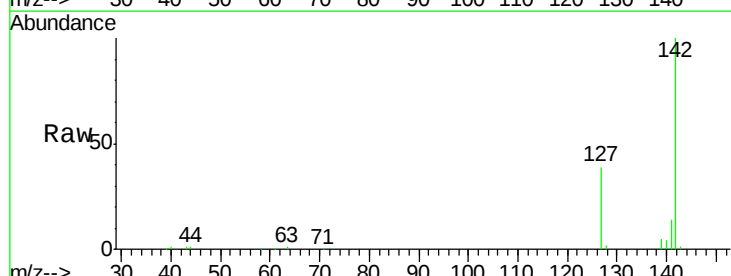
Tgt Ion:142 Resp: 179628

Ion Ratio Lower Upper

142 100

127 39.3 31.0 46.4

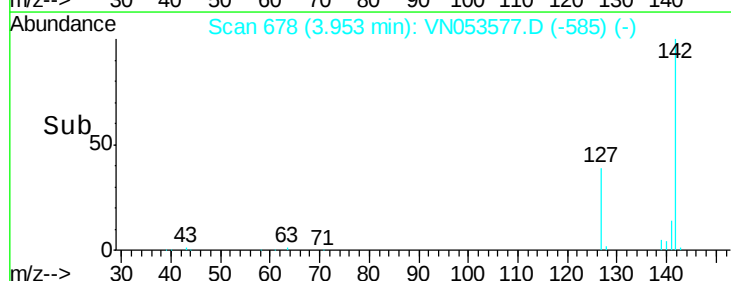
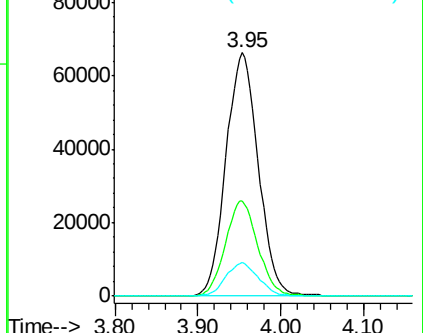
141 13.9 11.1 16.7

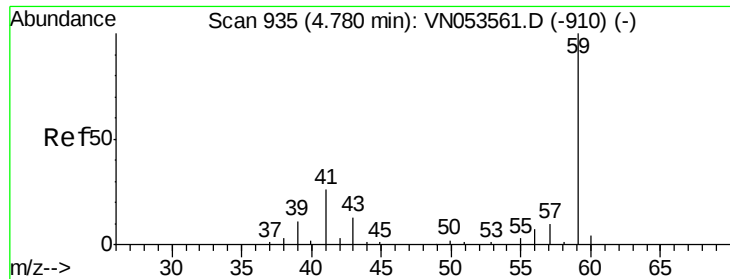


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

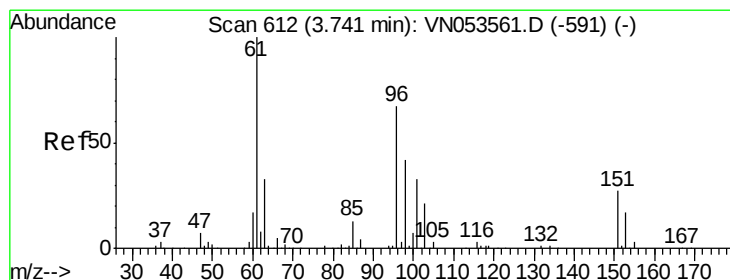
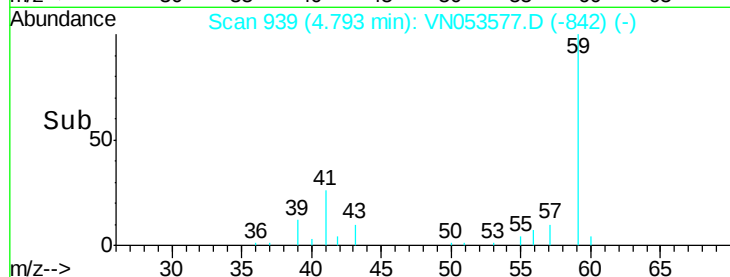
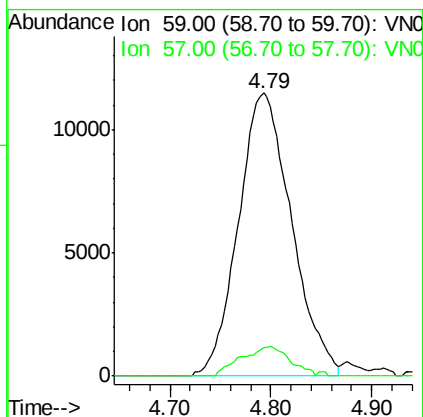
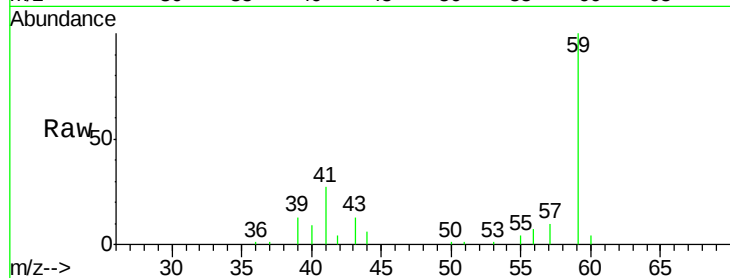




#11
Tert butyl alcohol
Concen: 110.650 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

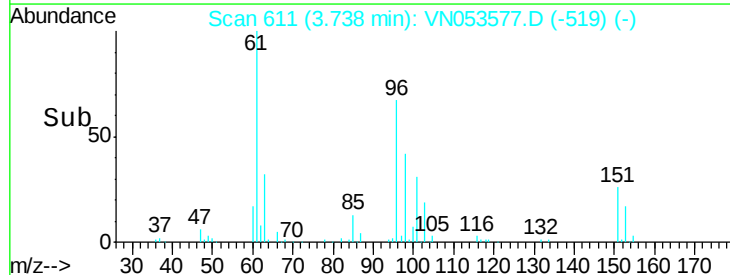
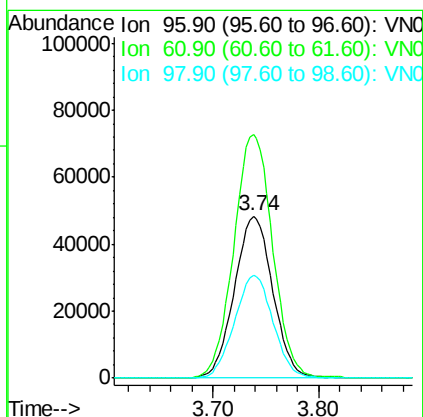
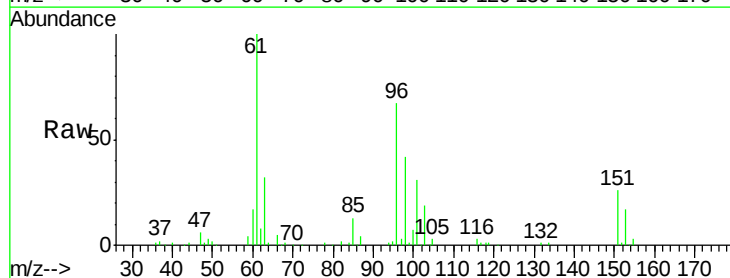
Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

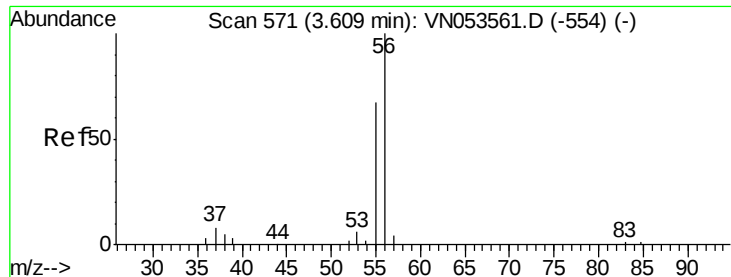
Tot Ion: 59 Resp: 42020
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 20.664 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 96 Resp: 122394
Ion Ratio Lower Upper
96 100
61 150.2 122.9 184.3
98 63.3 49.4 74.0





#13

Acrolein

Concen: 61.917 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

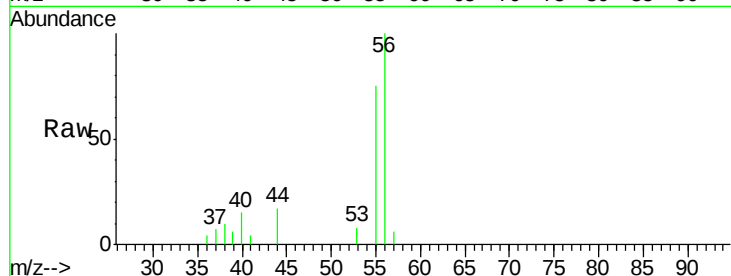
VN0201WBS01

Tot Ion: 56 Resp: 12802

Ion Ratio Lower Upper

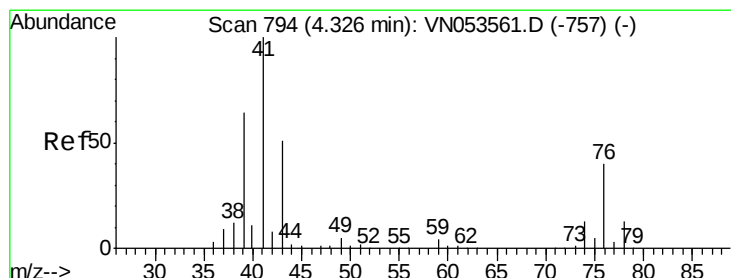
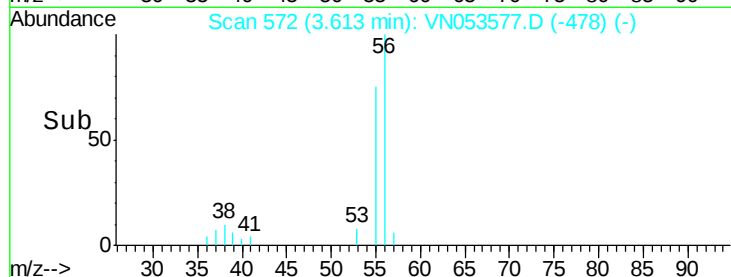
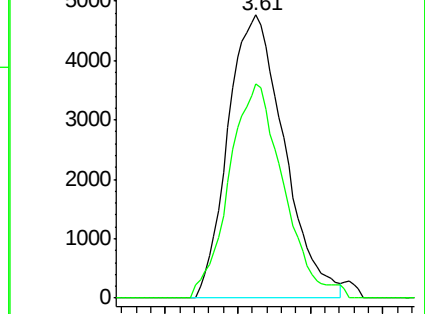
56 100

55 73.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.086 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

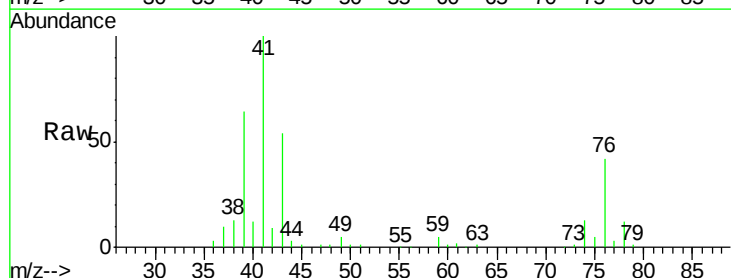
Tgt Ion: 41 Resp: 189431

Ion Ratio Lower Upper

41 100

39 61.7 48.9 73.3

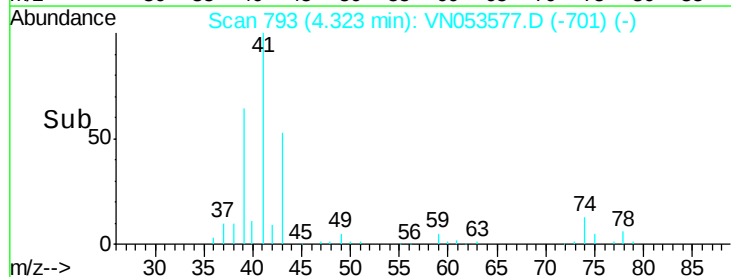
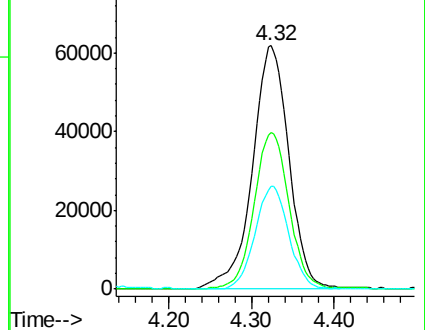
76 39.0 29.4 44.2



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: 111.062 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

VN0201WBS01

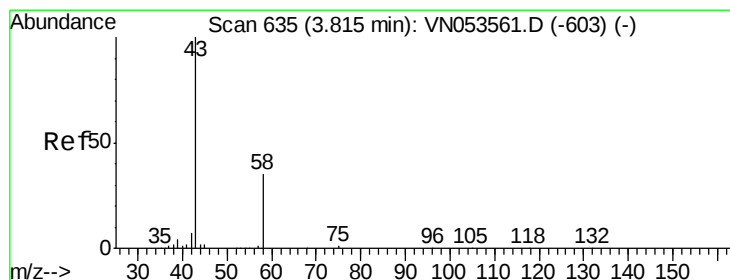
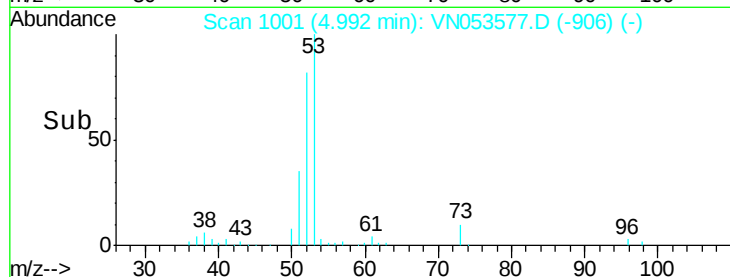
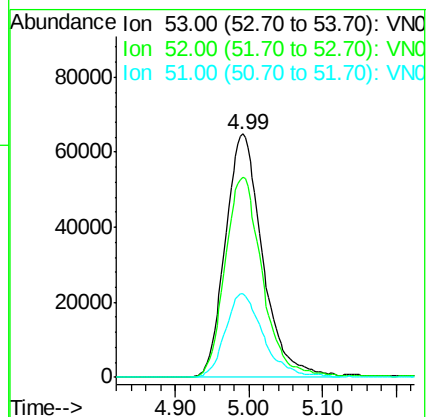
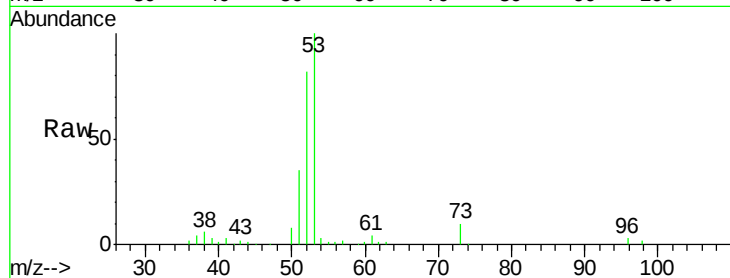
Tot Ion: 53 Resp: 227690

Ion Ratio Lower Upper

53 100

52 82.3 66.0 99.0

51 35.2 28.3 42.5



#16

Acetone

Concen: 112.166 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053577.D

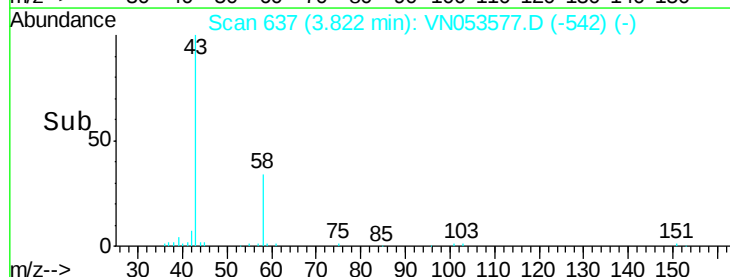
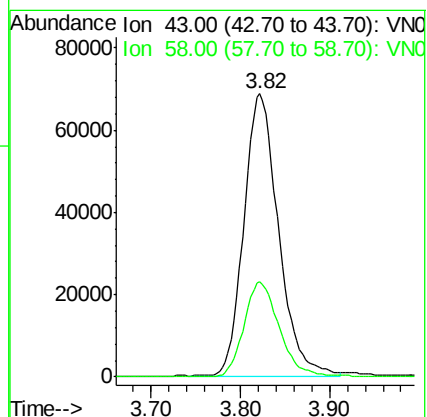
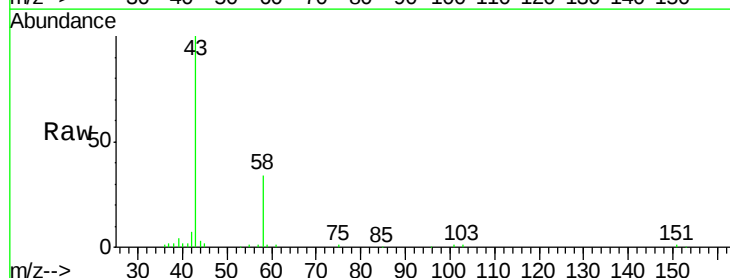
Acq: 1 Feb 2019 15:35

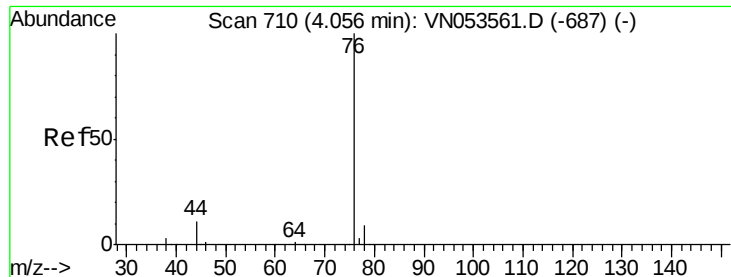
Tgt Ion: 43 Resp: 184614

Ion Ratio Lower Upper

43 100

58 33.6 27.1 40.7

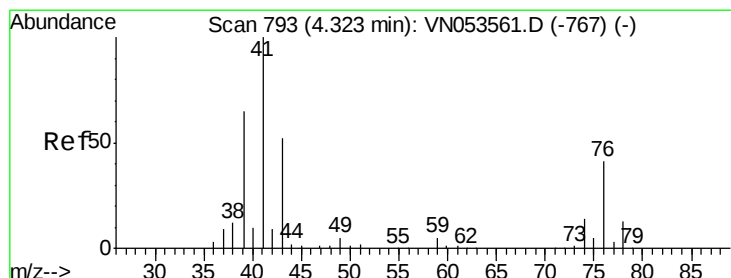
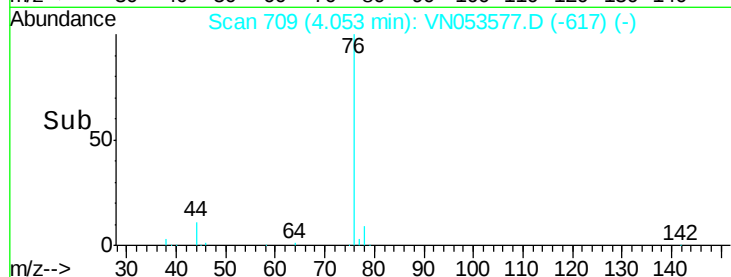
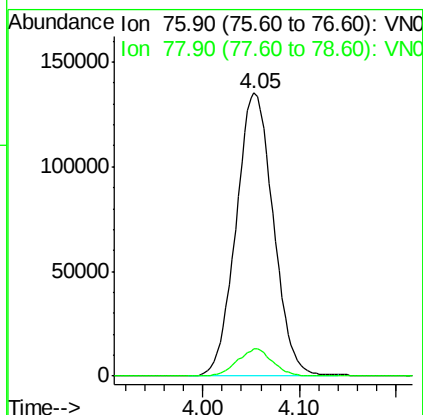
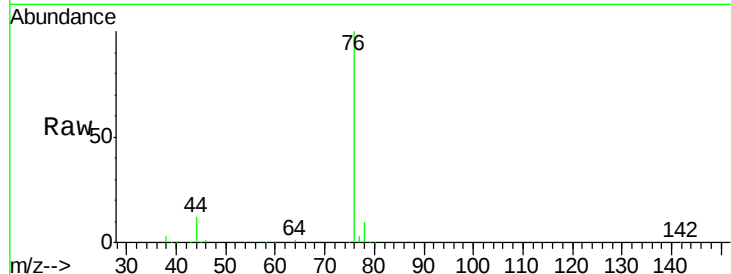




#17
Carbon Disulfide
Concen: 19.655 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

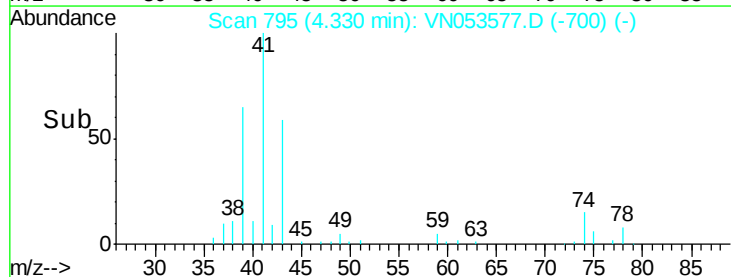
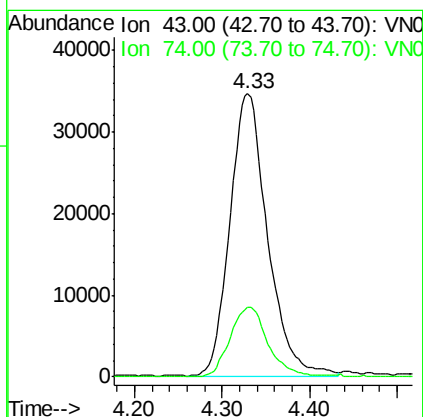
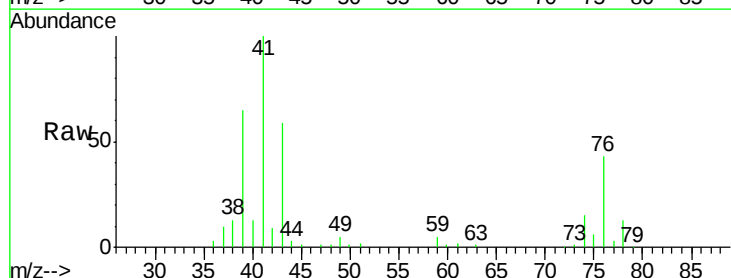
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tot Ion: 76 Resp: 362506
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 21.416 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 43 Resp: 104389
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.2

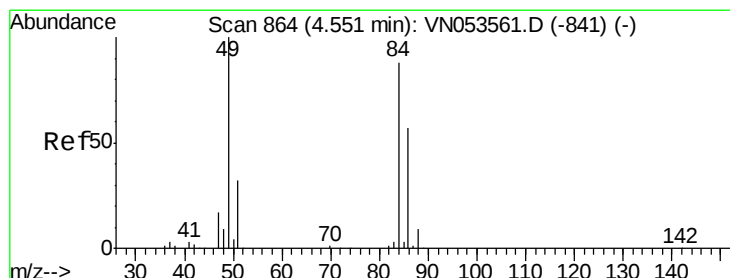
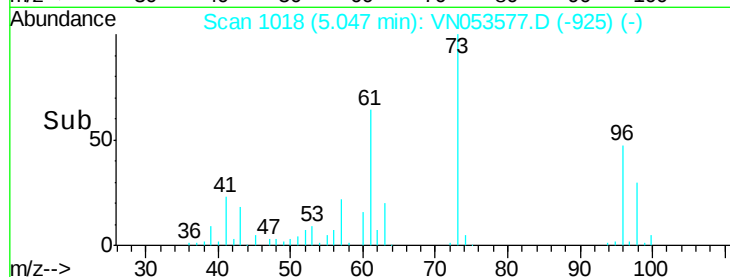
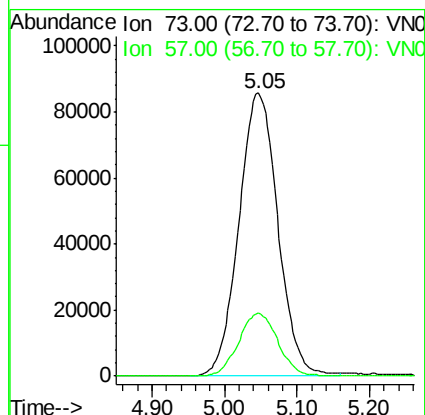
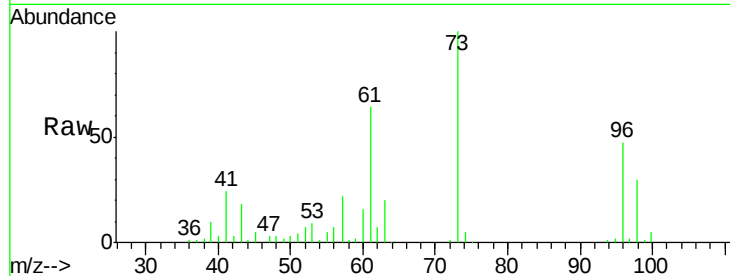




#19
Methyl tert-butyl Ether
Concen: 21.409 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

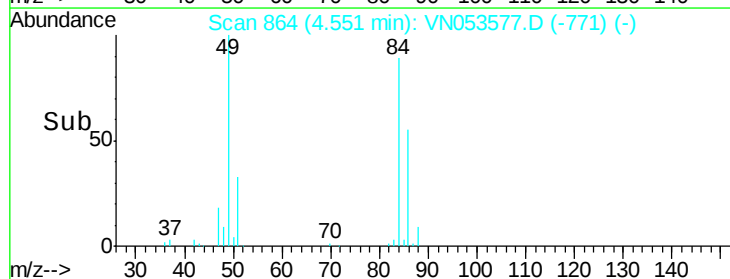
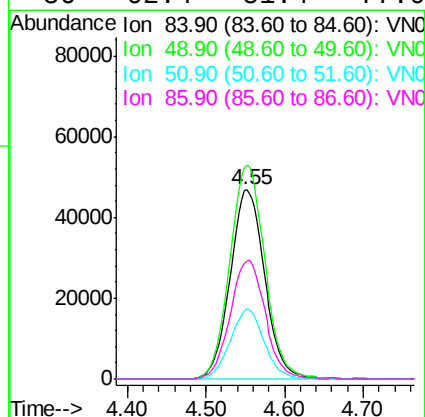
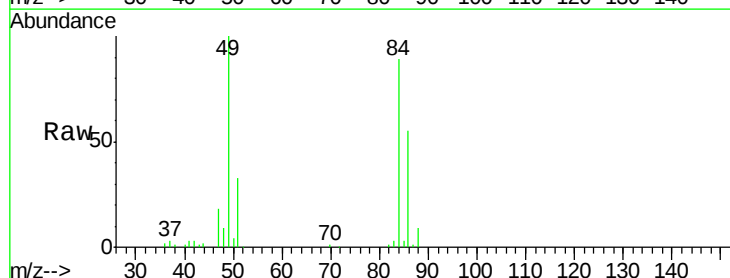
Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

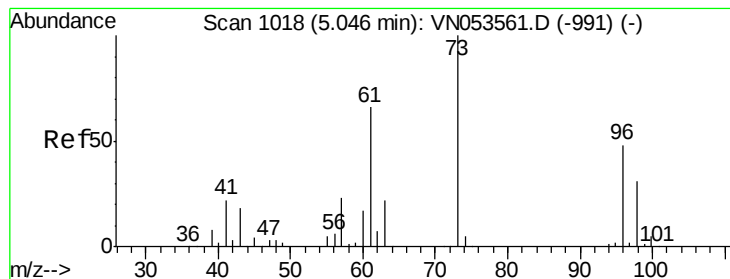
Tot Ion: 73 Resp: 321463
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5



#20
Methylene Chloride
Concen: 20.786 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 84 Resp: 143534
Ion Ratio Lower Upper
84 100
49 112.8 94.3 141.5
51 37.2 29.4 44.2
86 62.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.090 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

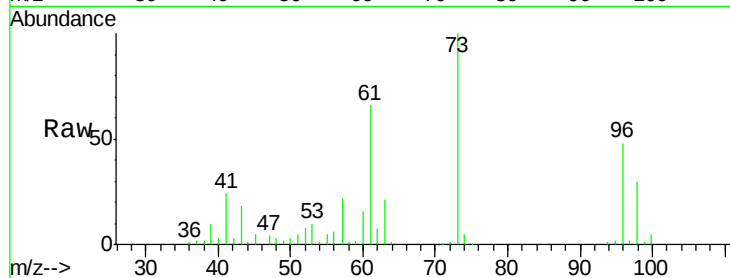
Tot Ion: 96 Resp: 128377

Ion Ratio Lower Upper

96 100

61 138.7 110.1 165.1

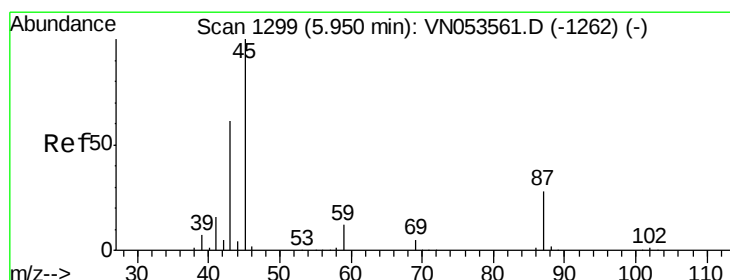
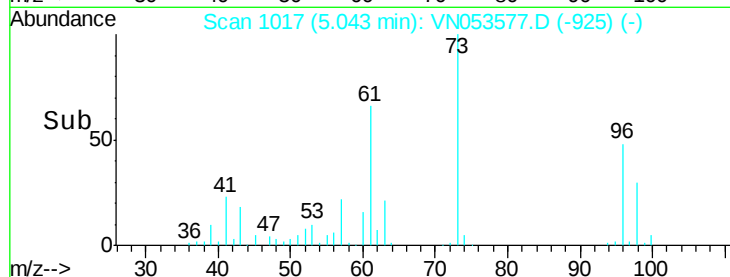
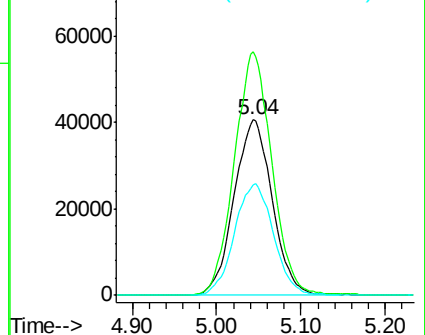
98 62.8 50.0 75.0



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: 20.730 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Tgt Ion: 45 Resp: 362254

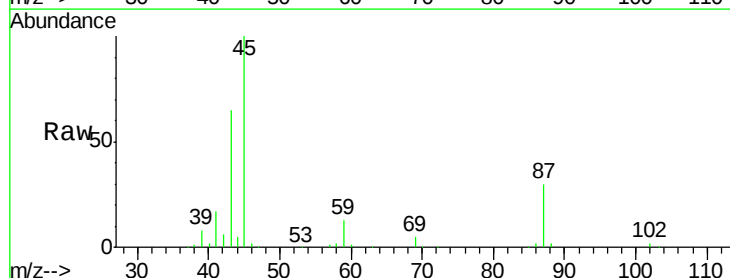
Ion Ratio Lower Upper

45 100

43 61.4 44.2 66.4

87 28.9 22.7 34.1

59 12.4 9.4 14.2

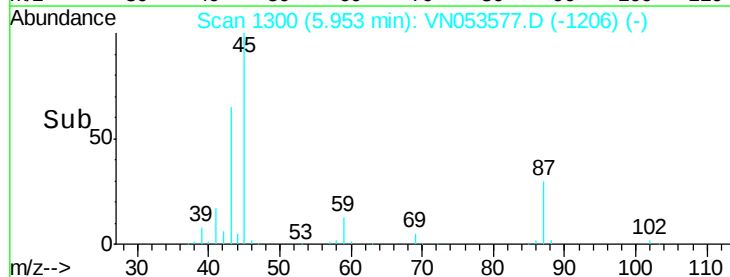
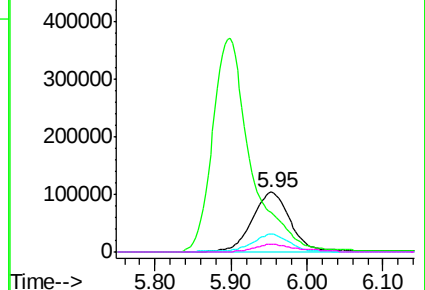


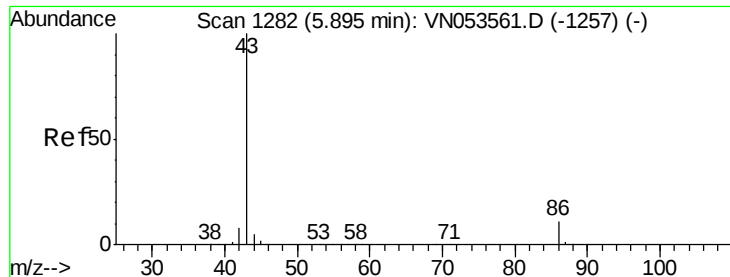
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 107.515 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

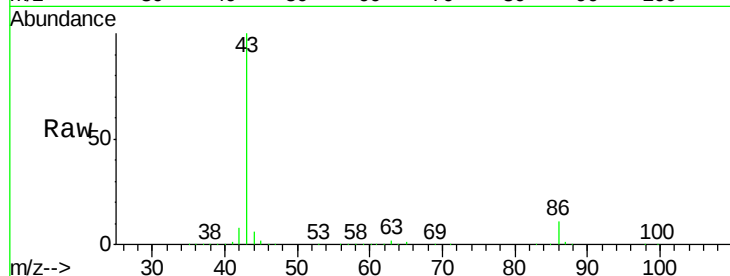
VN0201WBS01

Tot Ion: 43 Resp: 1299712

Ion Ratio Lower Upper

43 100

86 11.1 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1257) (-)

Ion 86.00 (85.70 to 86.70): VN053561.D (-1257) (-)

5.90

400000

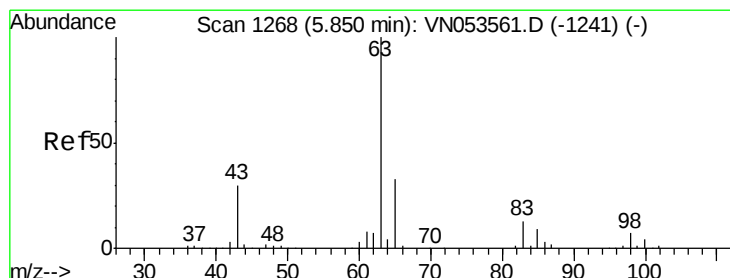
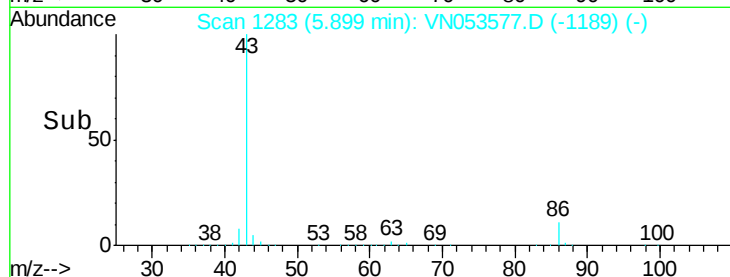
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.712 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

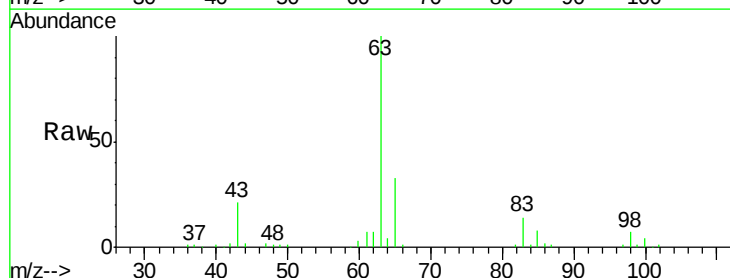
Tgt Ion: 63 Resp: 241402

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN053561.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN053561.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN053561.D (-1241) (-)

100000

80000

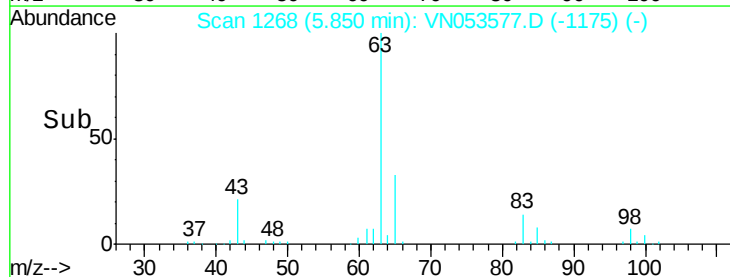
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 108.885 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

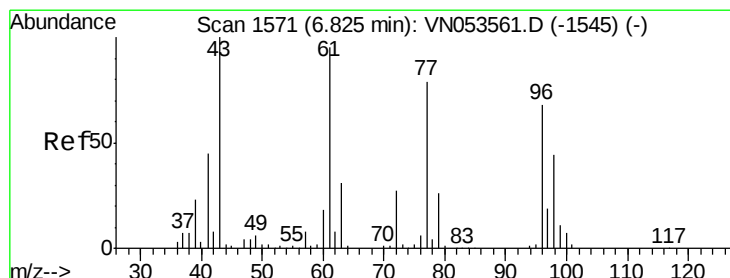
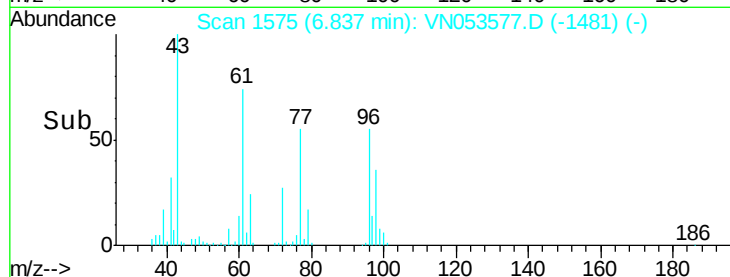
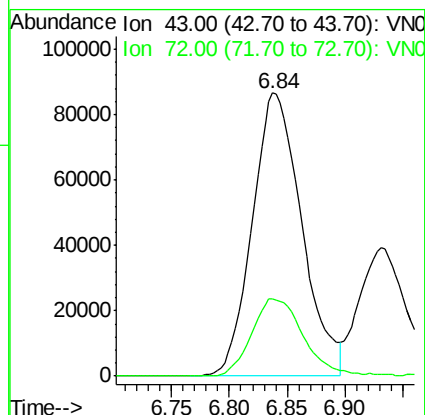
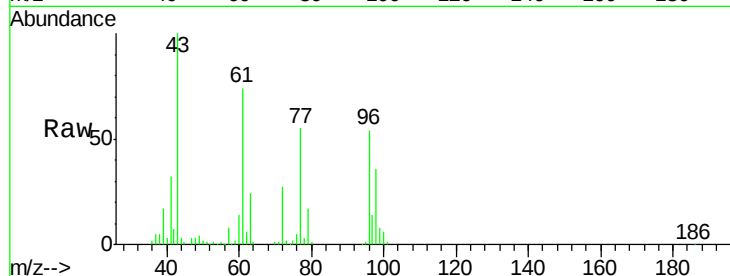
VN0201WBS01

Tot Ion: 43 Resp: 255599

Ion Ratio Lower Upper

43 100

72 27.3 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.847 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053577.D

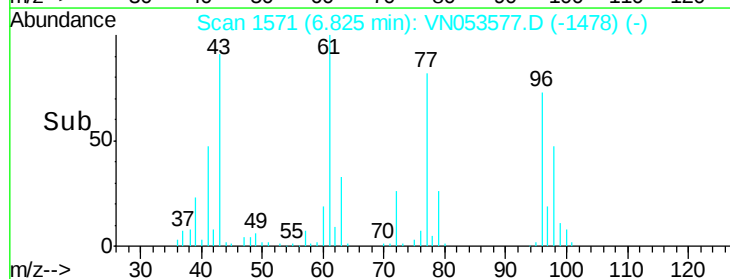
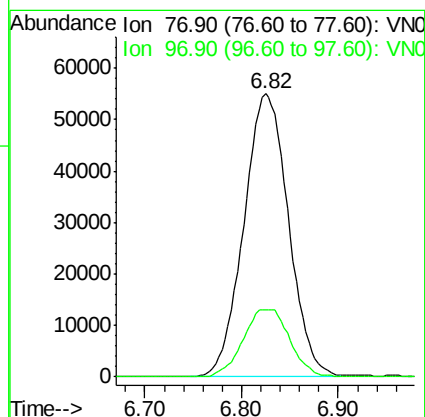
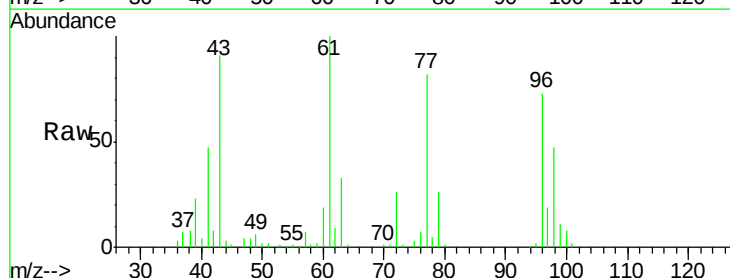
Acq: 1 Feb 2019 15:35

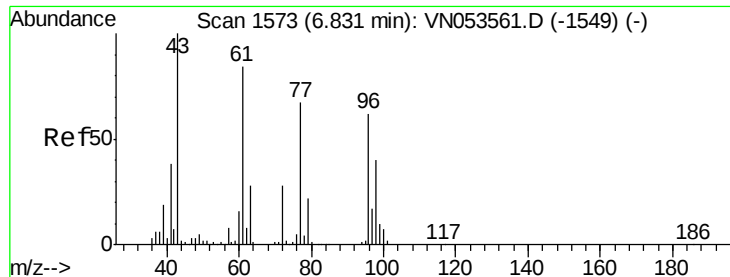
Tgt Ion: 77 Resp: 176581

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.021 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

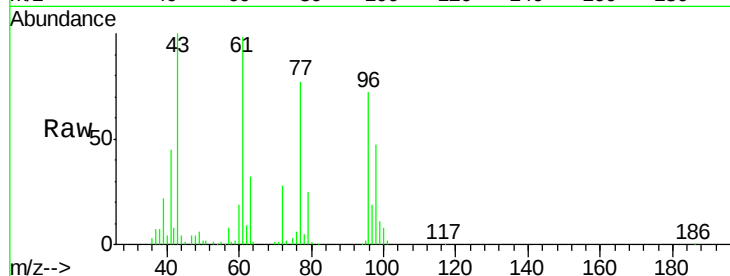
Tot Ion: 96 Resp: 149370

Ion Ratio Lower Upper

96 100

61 137.1 0.0 283.8

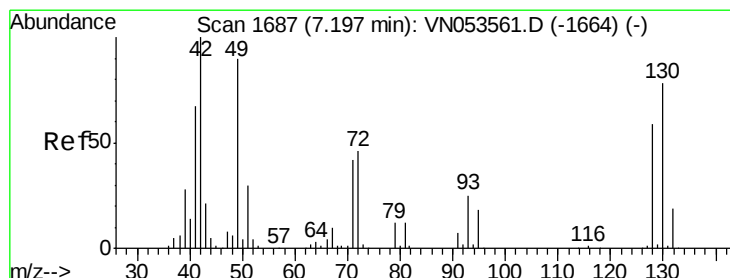
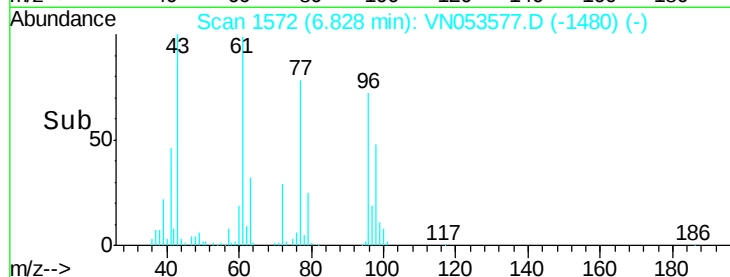
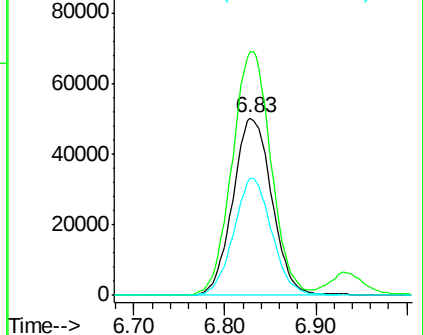
98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.806 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

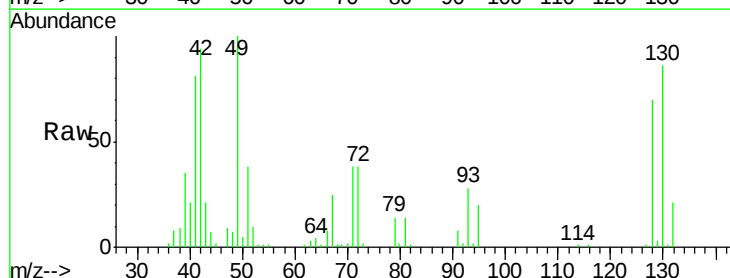
Tgt Ion: 49 Resp: 95121

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

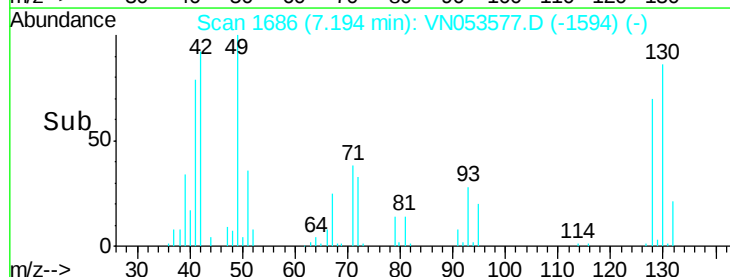
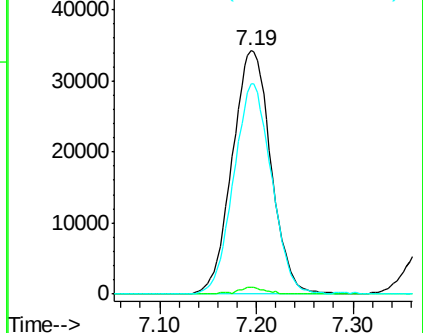
130 84.5 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

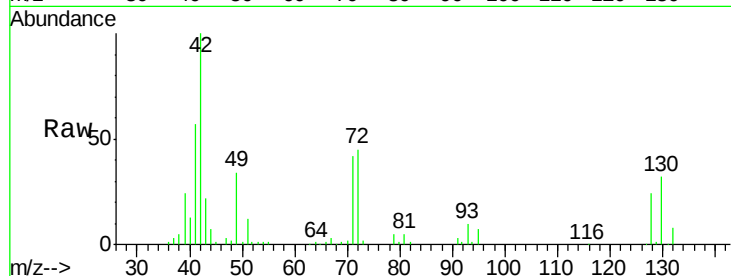




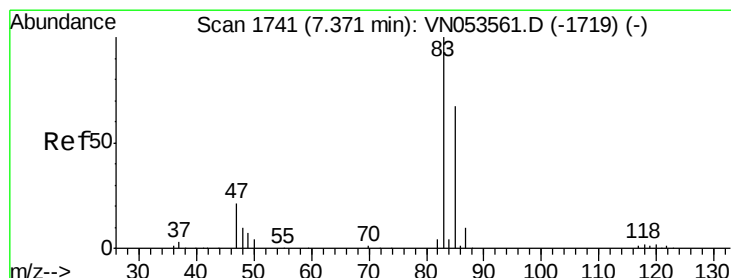
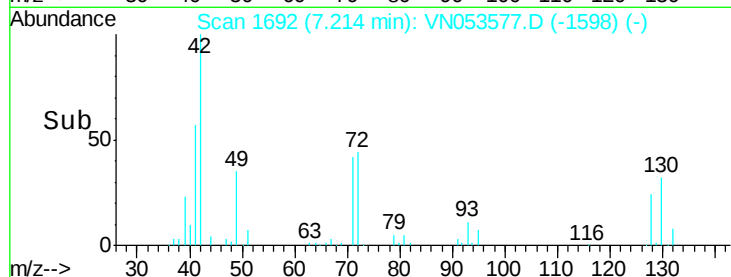
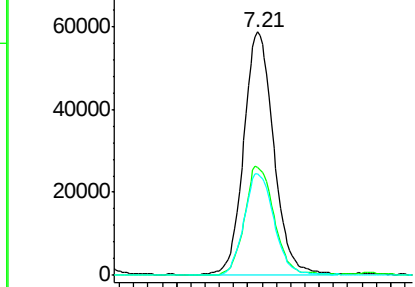
#29
Tetrahydrofuran
Concen: 114.770 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tot Ion: 42 Resp: 172998
Ion Ratio Lower Upper
42 100
72 43.8 35.2 52.8
71 41.3 33.0 49.4

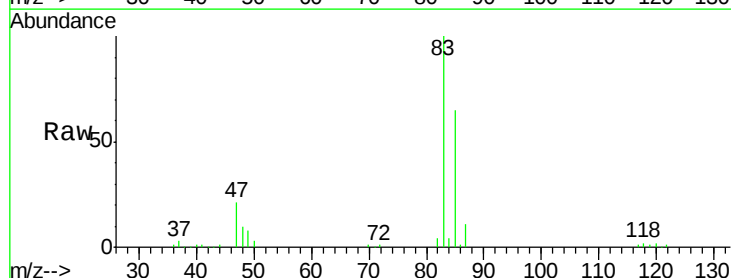


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

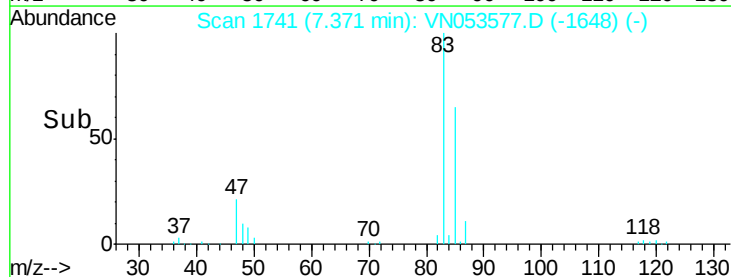
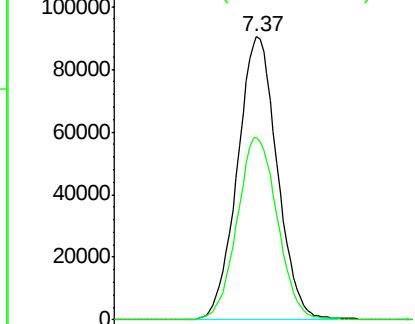


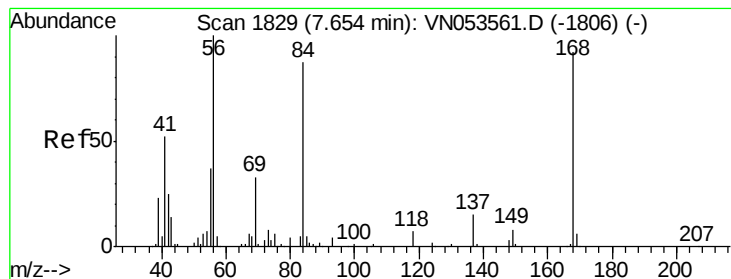
#30
Chloroform
Concen: 20.513 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 83 Resp: 237010
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.2



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





#31

Cyclohexane

Concen: 19.866 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

VN0201WBS01

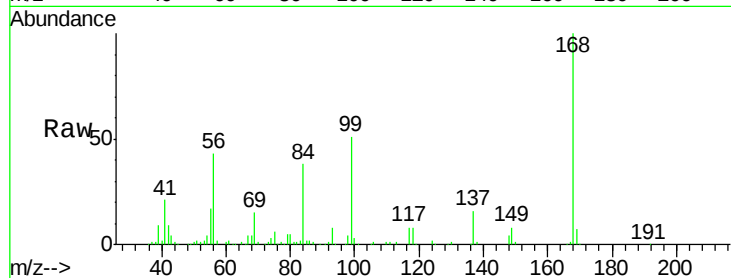
Tot Ion: 56 Resp: 216685

Ion Ratio Lower Upper

56 100

69 35.8 26.4 39.6

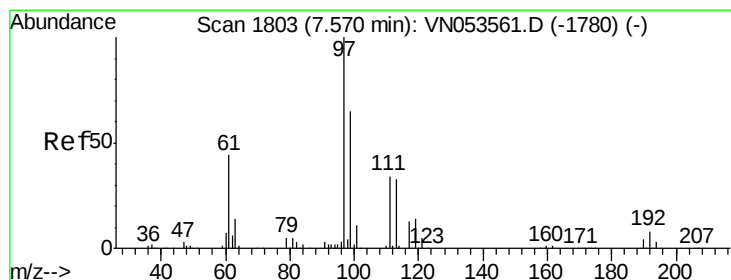
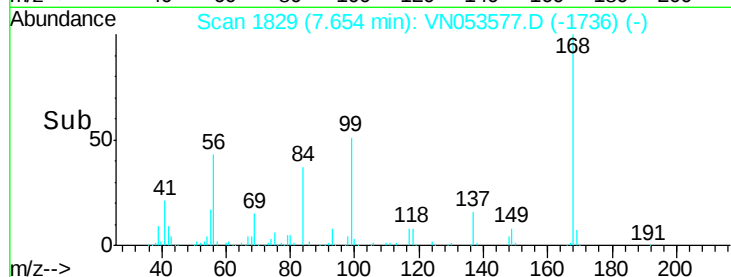
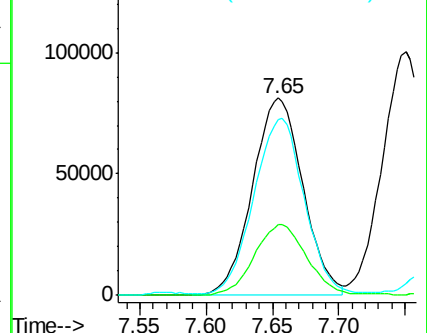
84 88.2 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.701 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

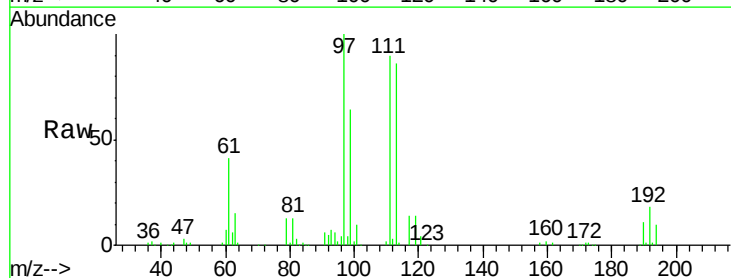
Tgt Ion: 97 Resp: 199048

Ion Ratio Lower Upper

97 100

99 63.6 52.0 78.0

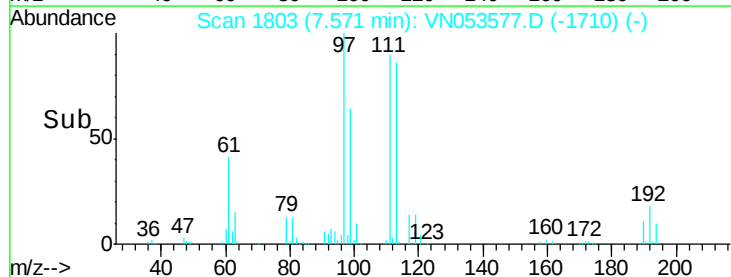
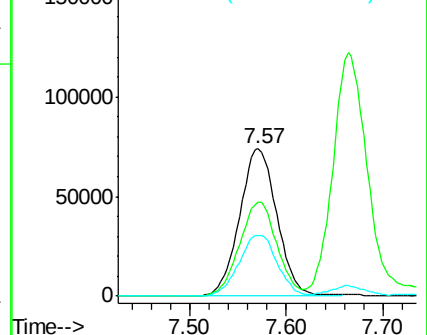
61 42.4 34.4 51.6

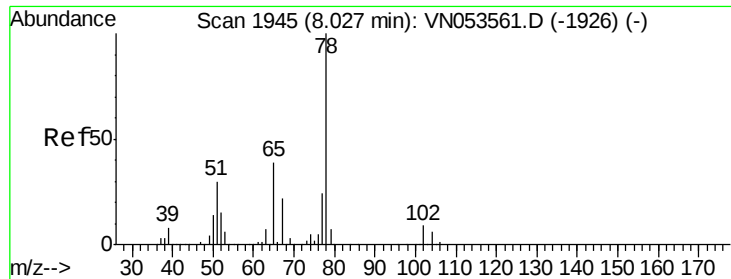


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

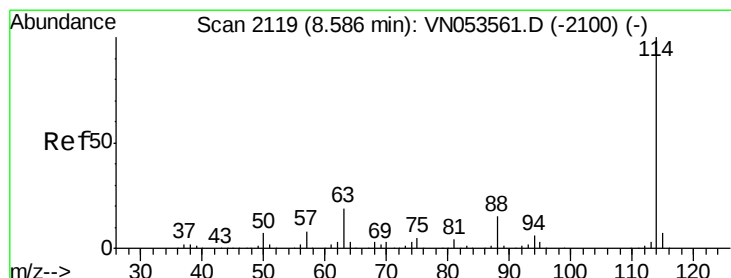
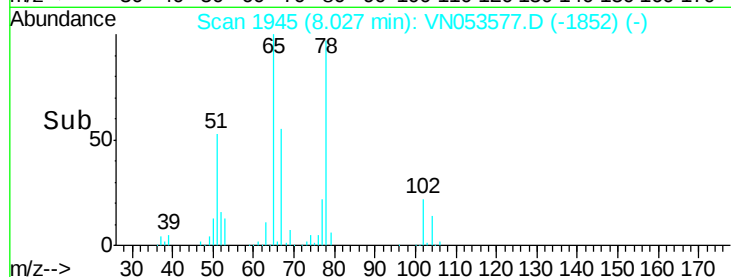
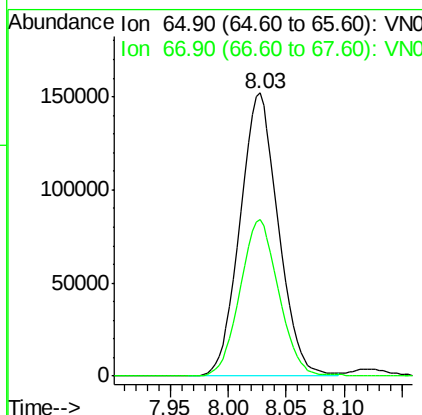
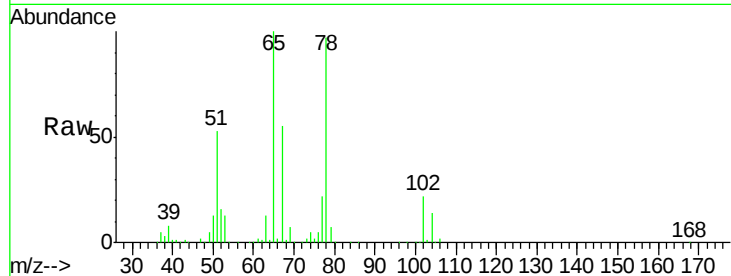




#33
 1,2-Dichloroethane-d4
 Concen: 20.701 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

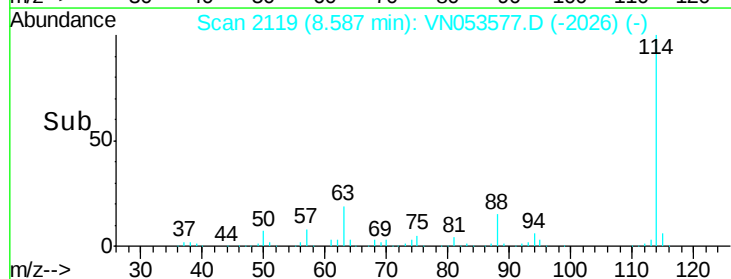
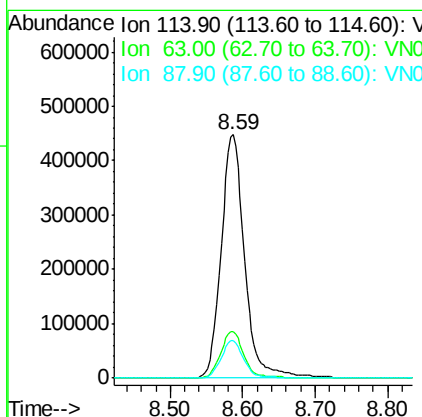
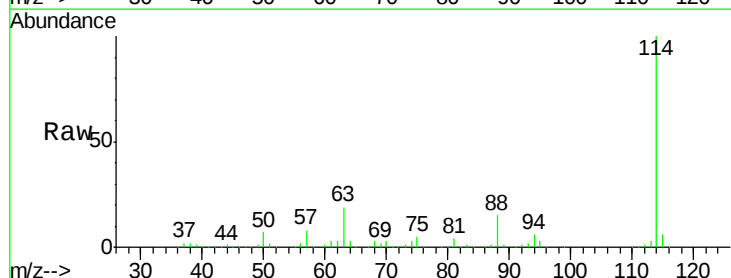
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

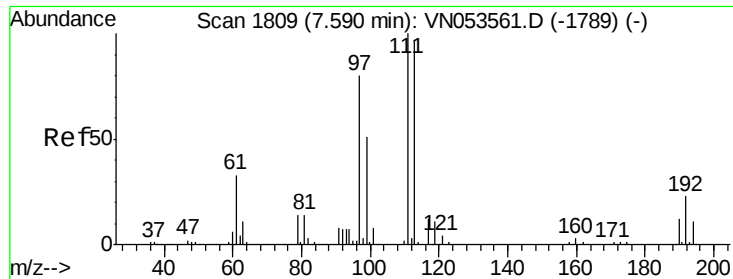
Tot Ion: 65 Resp: 349478
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion: 114 Resp: 1006110
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.3 0.0 30.4



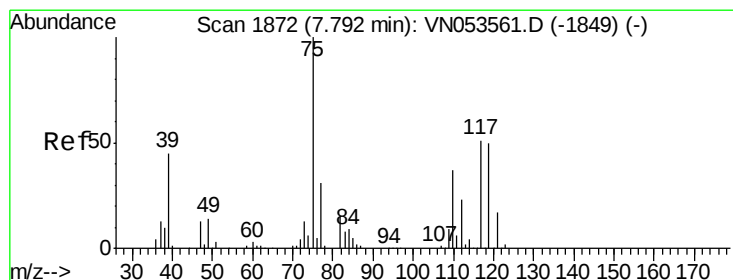
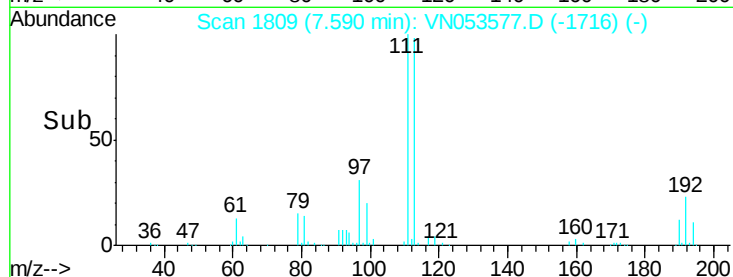
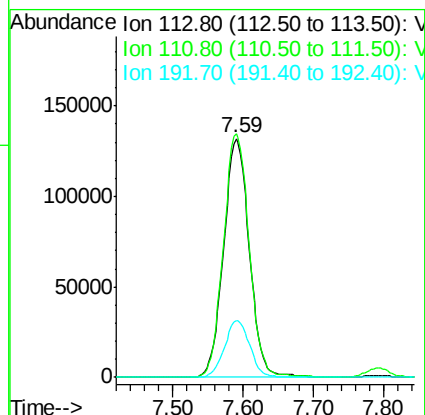
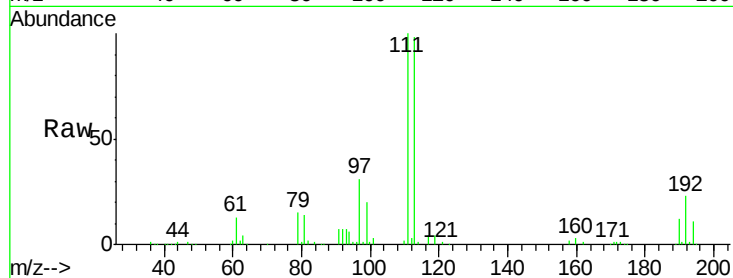


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tot Ion:113 Resp: 336024

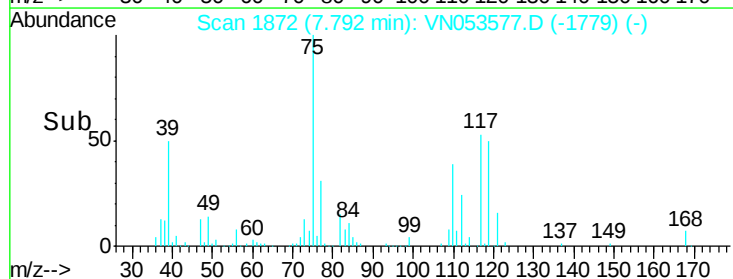
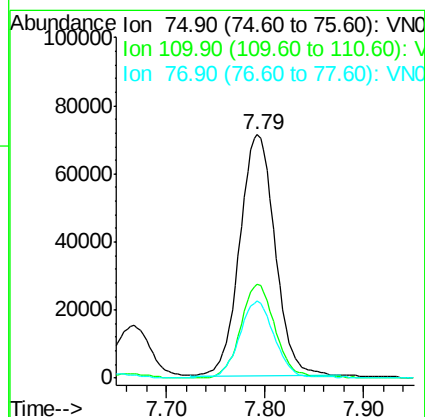
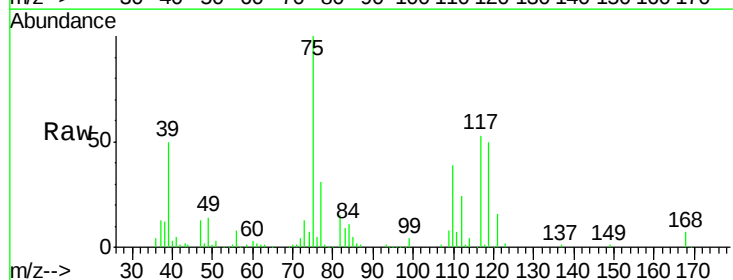
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	23.4	18.2	27.2

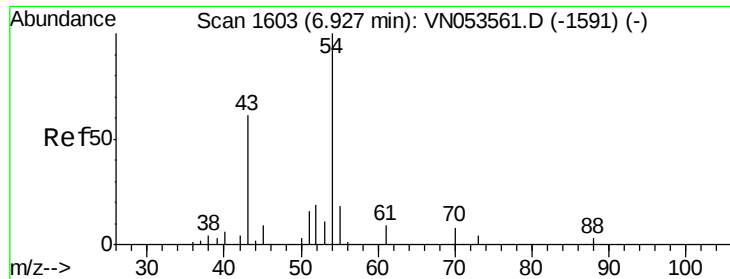


#36
1,1-Dichloropropene
Concen: 19.436 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 75 Resp: 176278

Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.1	54.3
77	31.7	25.1	37.7

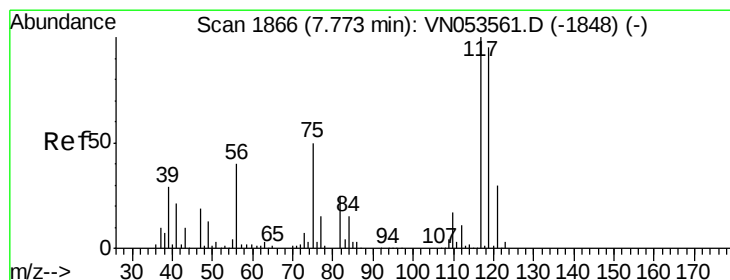
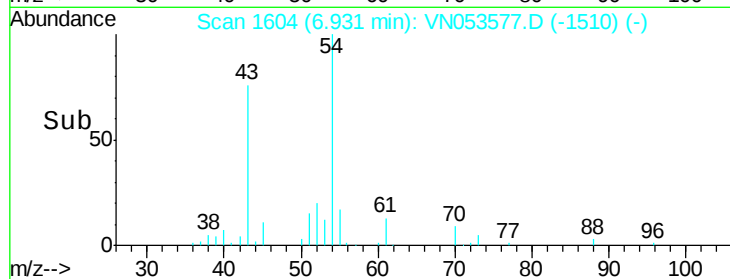
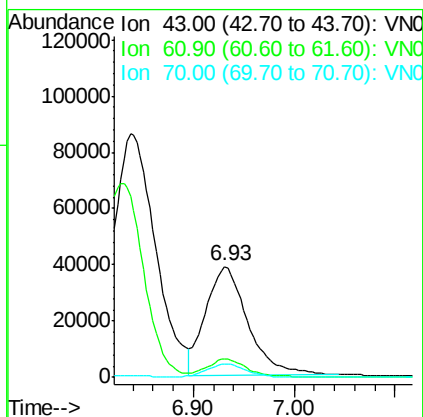
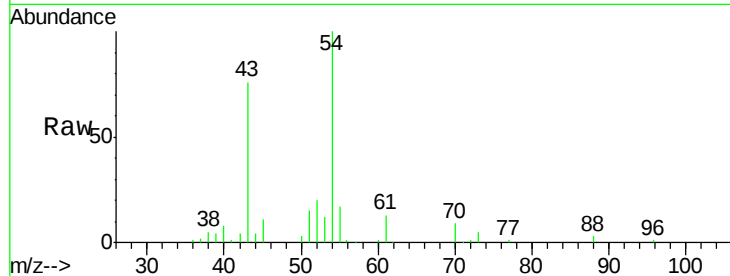




#37
Ethyl Acetate
Concen: 22.314 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

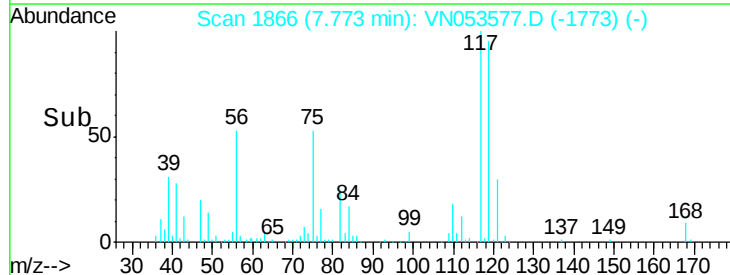
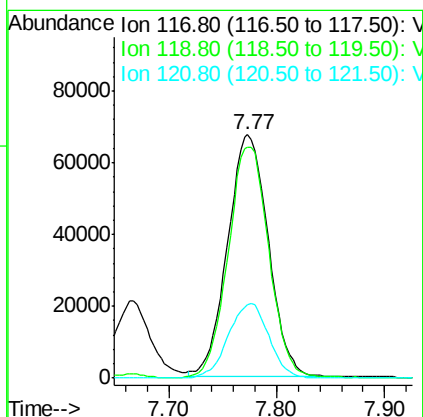
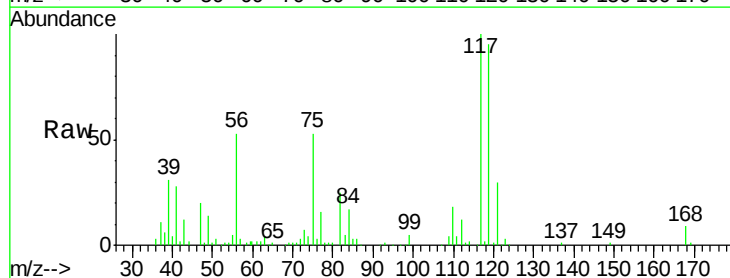
Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

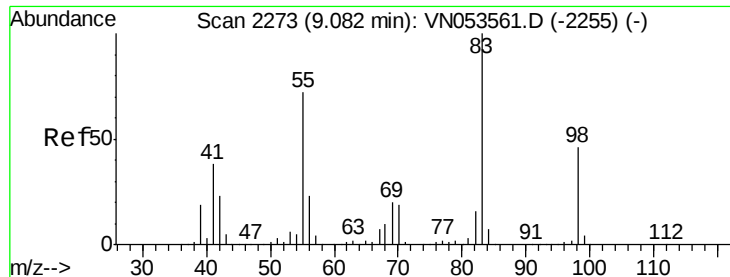
Tot Ion: 43 Resp: 113029
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.8 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.369 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 117 Resp: 176965
Ion Ratio Lower Upper
117 100
119 95.1 77.2 115.8
121 30.4 24.6 37.0

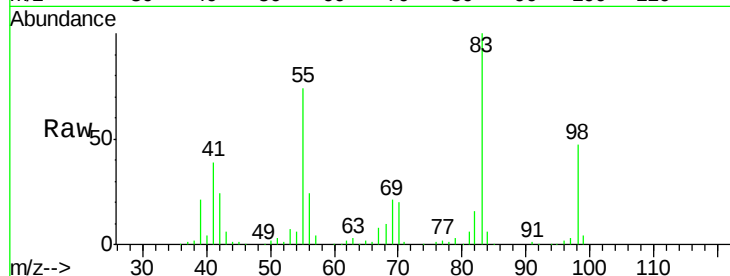




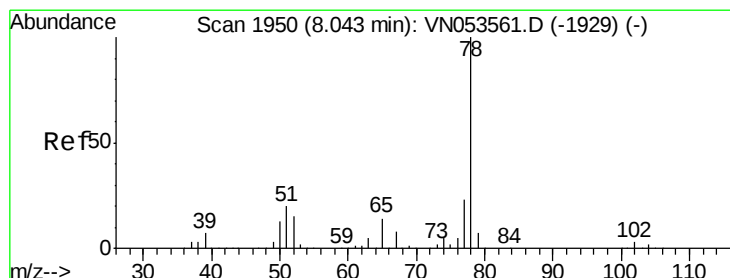
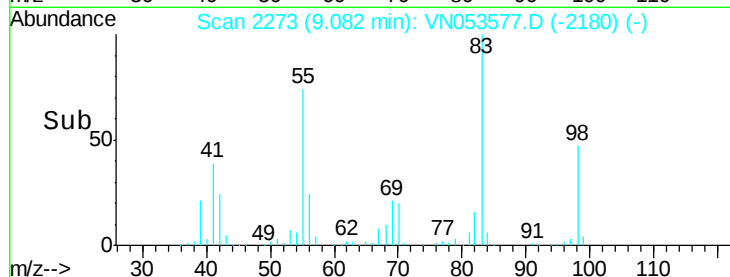
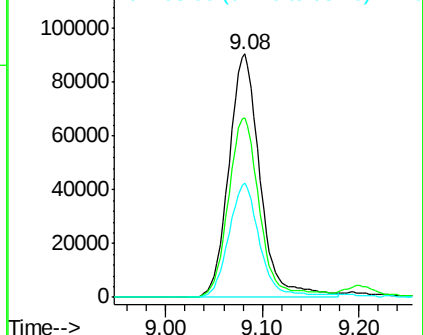
#39
Methvlcvclohexane
Concen: 18.919 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

Tot Ion: 83 Resp: 203570
Ion Ratio Lower Upper
83 100
55 73.9 60.1 90.1
98 46.9 36.6 55.0

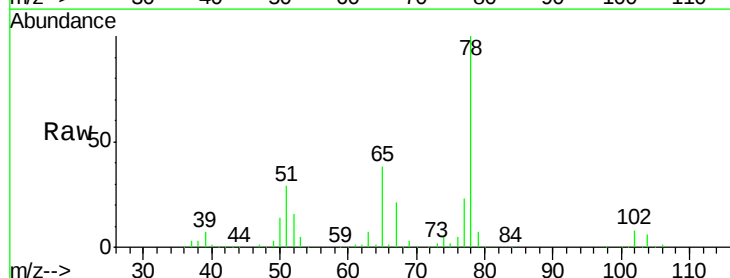


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

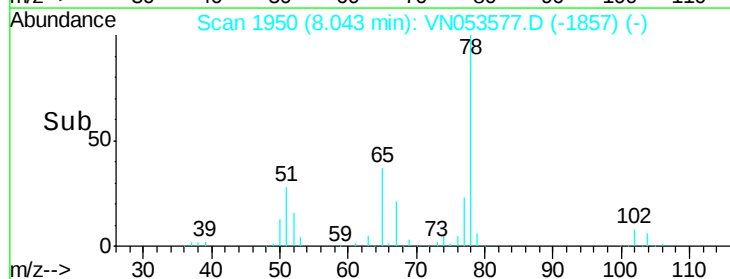
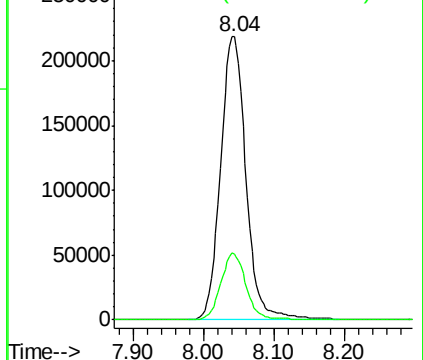


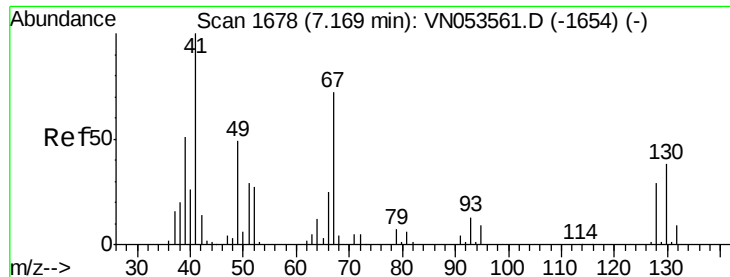
#40
Benzene
Concen: 19.677 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 78 Resp: 550321
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

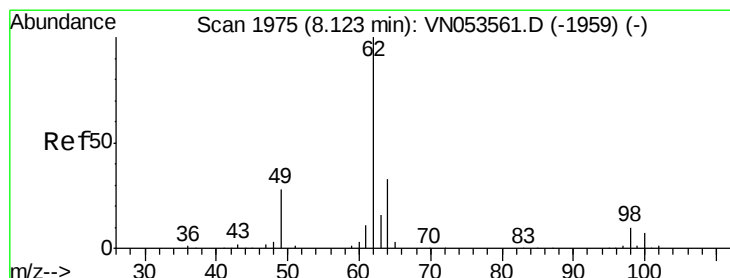
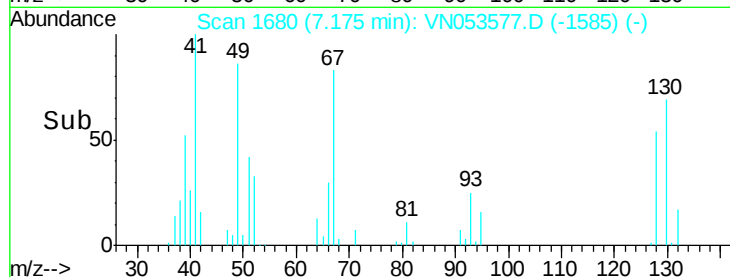
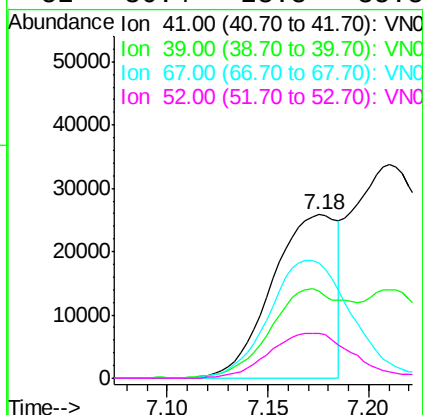
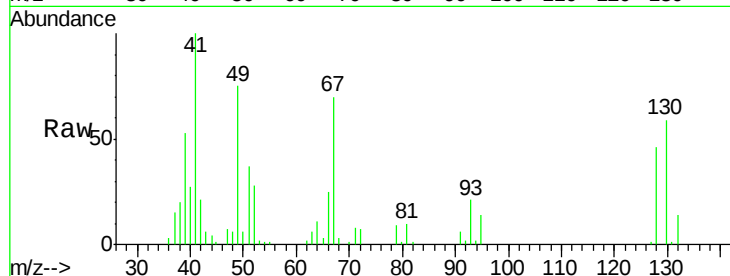




#41
Methacrylonitrile
Concen: 20.402 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

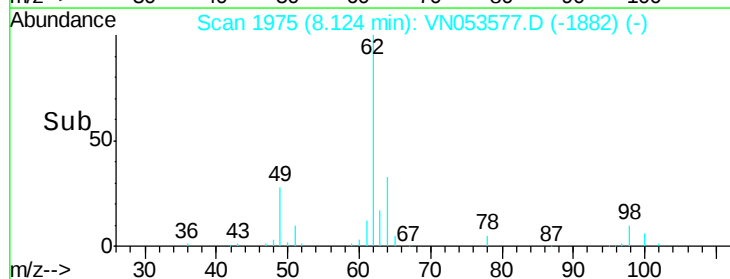
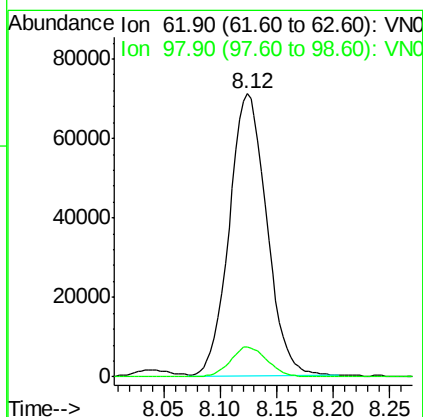
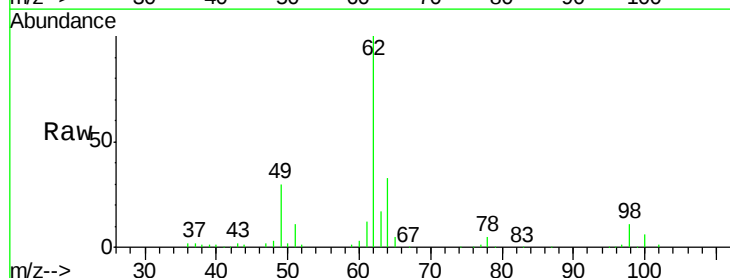
Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

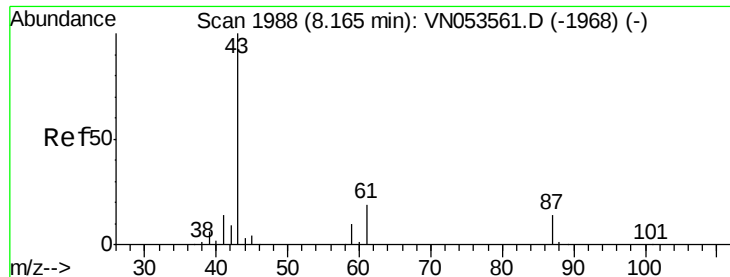
Tot Ion: 41 Resp: 57759
Ion Ratio Lower Upper
41 100
39 66.6 46.8 70.2
67 92.6 63.0 94.6
52 36.4 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 19.687 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 62 Resp: 163482
Ion Ratio Lower Upper
62 100
98 10.5 0.0 19.6





#43

Isopropyl Acetate

Concen: 19.358 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

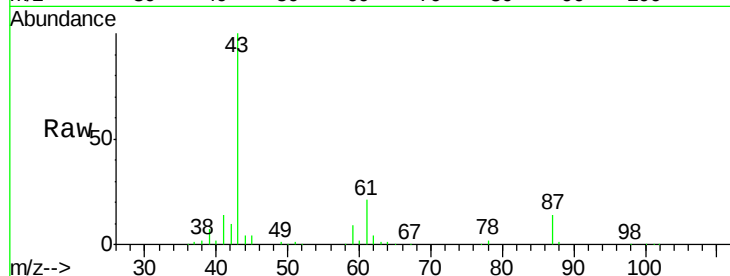
Tot Ion: 43 Resp: 189369

Ion Ratio Lower Upper

43 100

61 20.2 23.9 35.9#

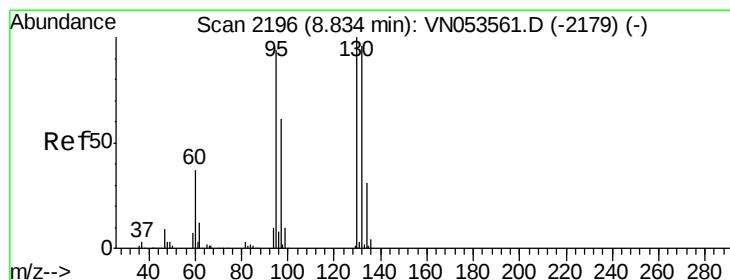
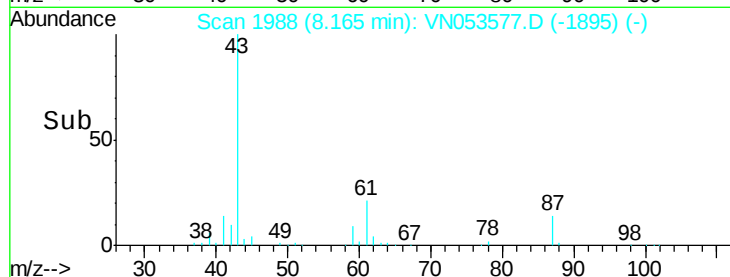
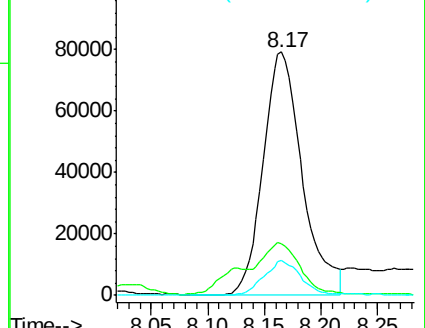
87 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)



#44

Trichloroethene

Concen: 19.240 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053577.D

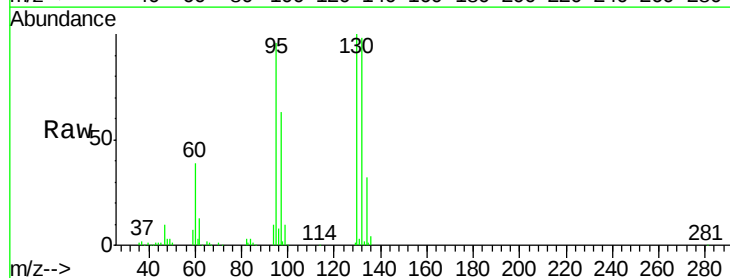
Acq: 1 Feb 2019 15:35

Tgt Ion:130 Resp: 153194

Ion Ratio Lower Upper

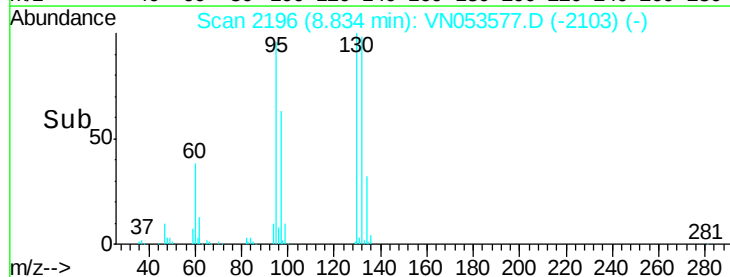
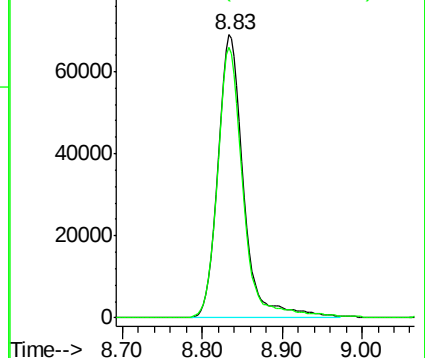
130 100

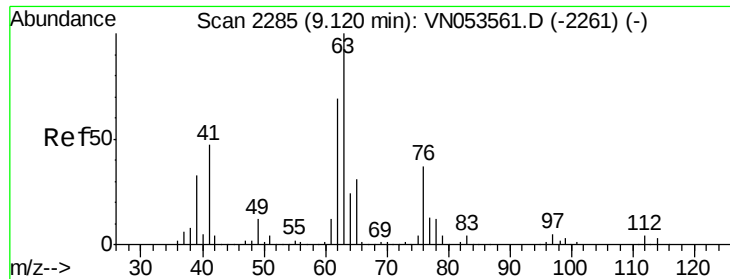
95 95.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.099 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

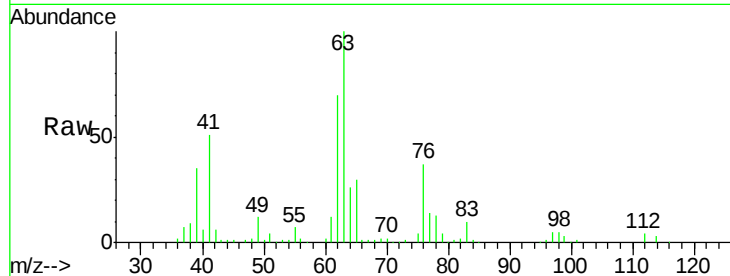
VN0201WBS01

Tot Ion: 63 Resp: 143774

Ion Ratio Lower Upper

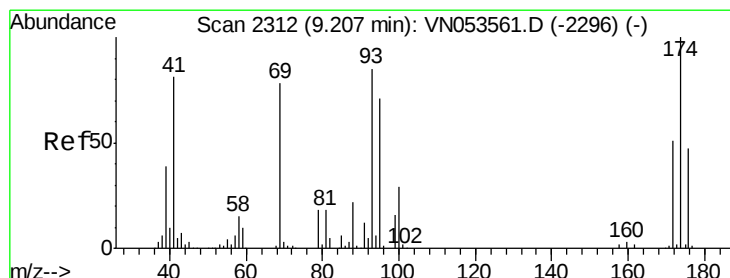
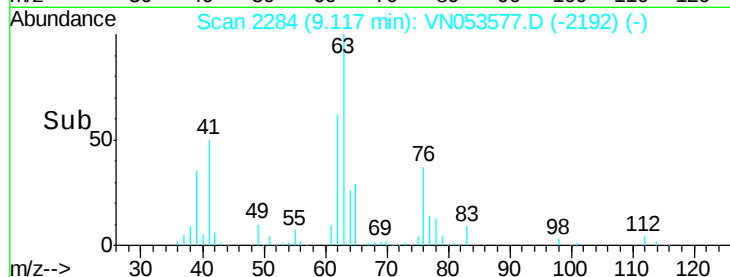
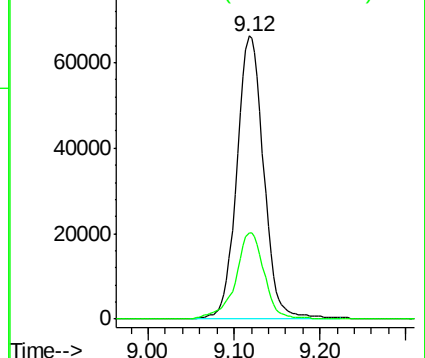
63 100

65 30.3 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.419 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

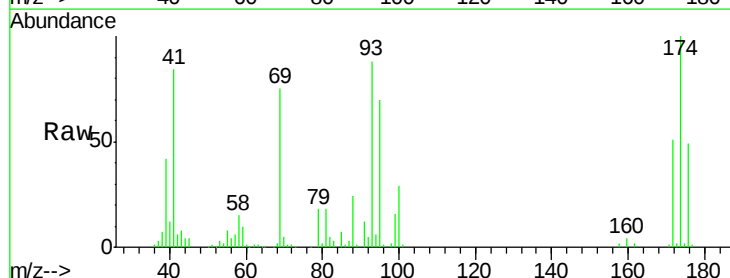
Tgt Ion: 93 Resp: 88052

Ion Ratio Lower Upper

93 100

95 81.8 67.3 100.9

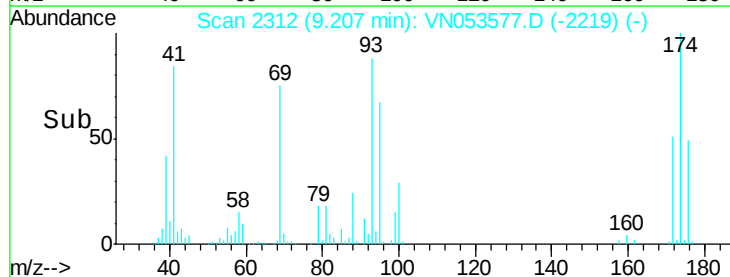
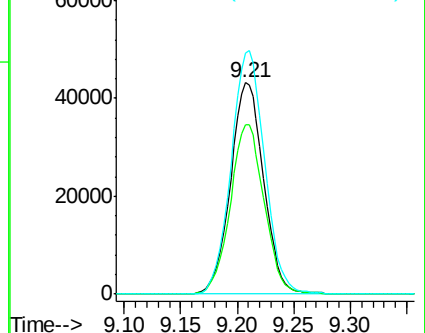
174 116.3 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

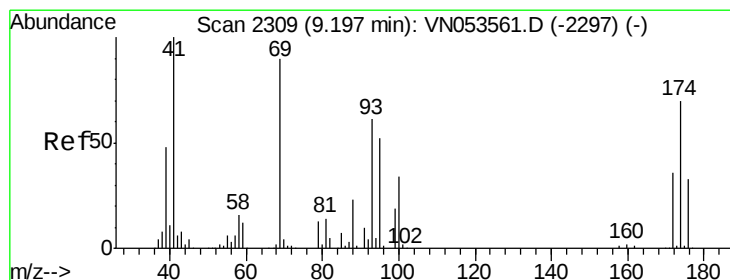
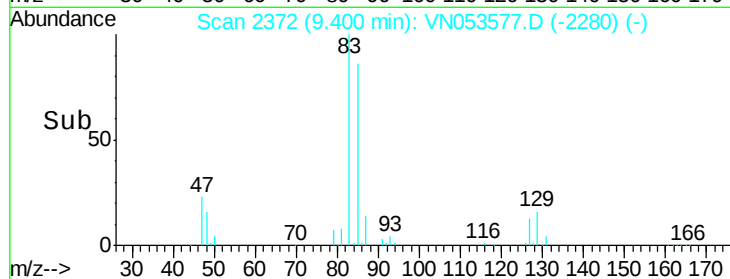
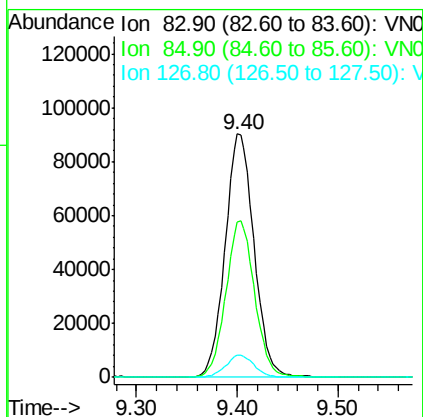
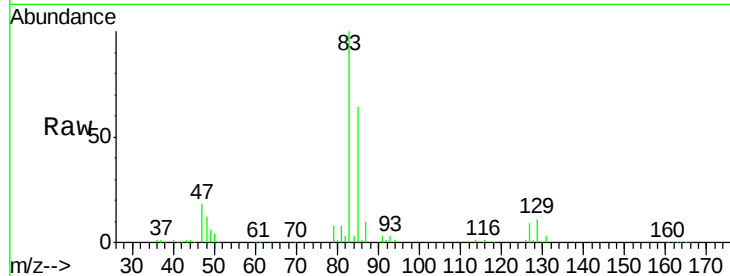




#47
Bromodichloromethane
Concen: 20.146 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

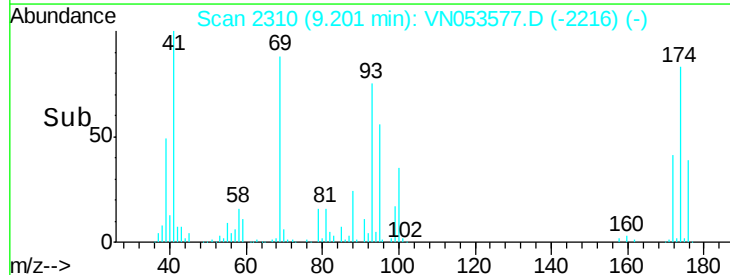
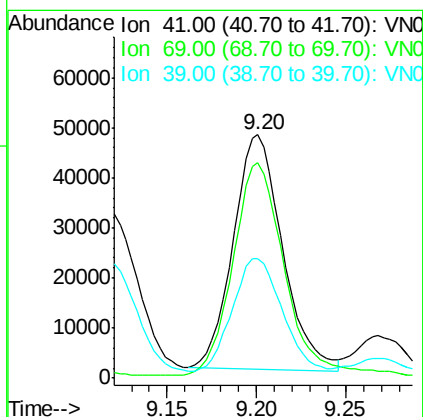
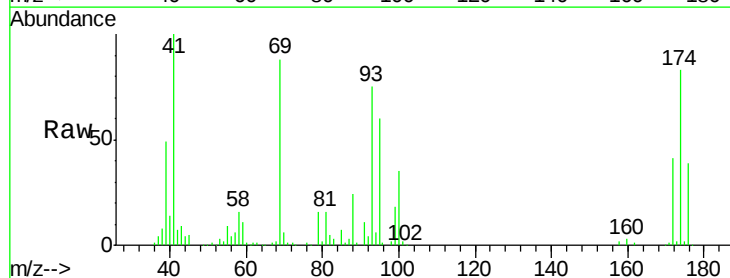
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

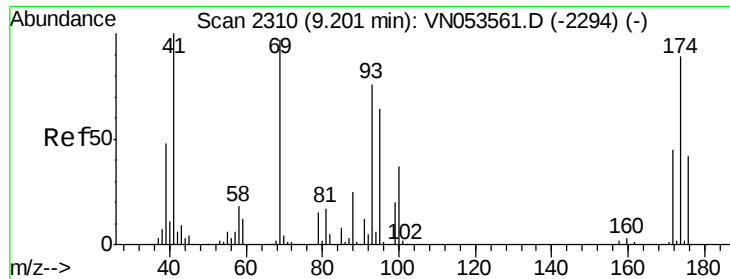
Tot Ion: 83 Resp: 180624
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.6
127 9.3 7.0 10.6



#48
Methyl methacrylate
Concen: 19.437 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 41 Resp: 90763
Ion Ratio Lower Upper
41 100
69 98.2 73.8 110.6
39 53.2 40.0 60.0





#49

1,4-Dioxane

Concen: 422.461 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

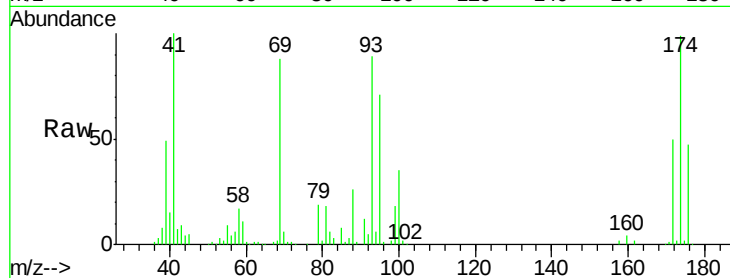
Tot Ion: 88 Resp: 26994

Ion Ratio Lower Upper

88 100

43 27.3 27.8 41.6#

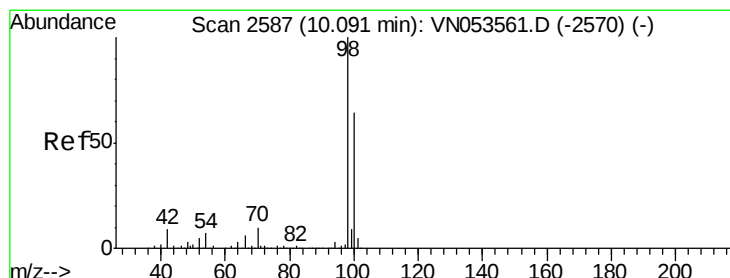
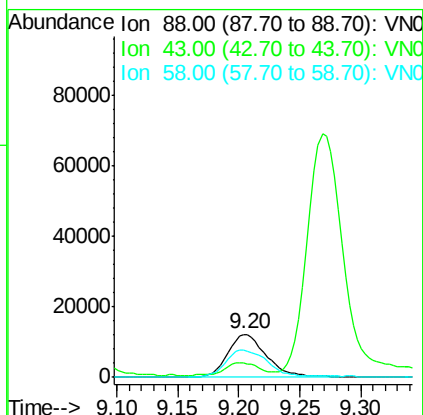
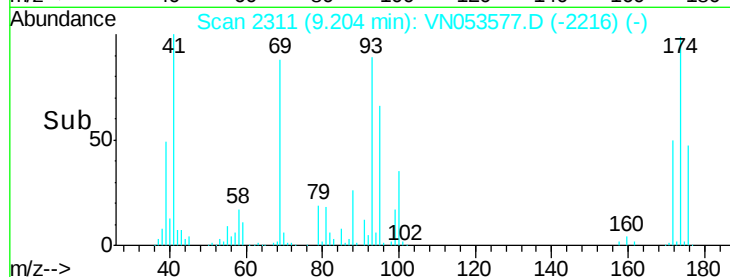
58 68.9 56.5 84.7



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: 422.461 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053577.D

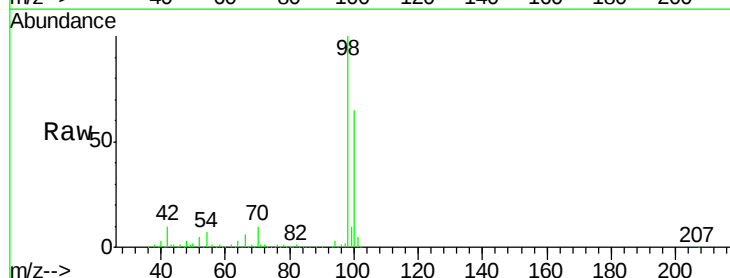
Acq: 1 Feb 2019 15:35

Tgt Ion: 98 Resp: 1225698

Ion Ratio Lower Upper

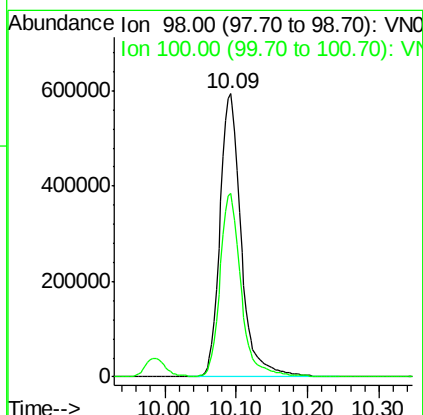
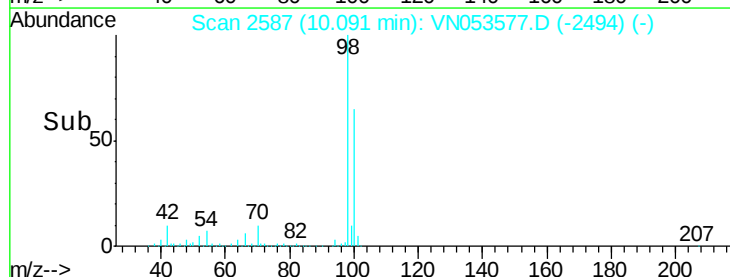
98 100

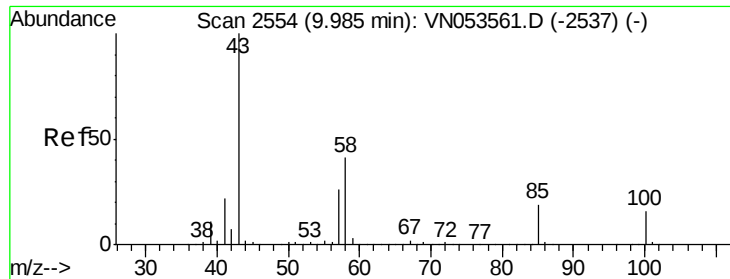
100 64.7 51.4 77.0



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: 106.095 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

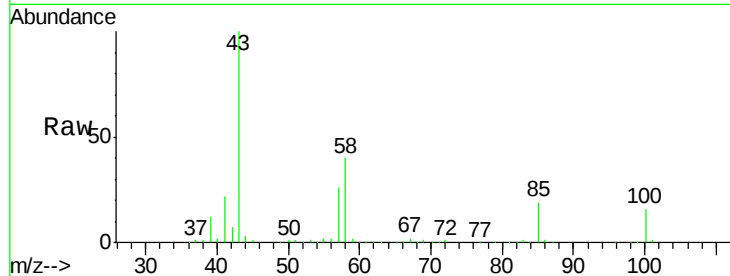
VN0201WBS01

Tot Ion: 43 Resp: 510000

Ion Ratio Lower Upper

43 100

58 41.0 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

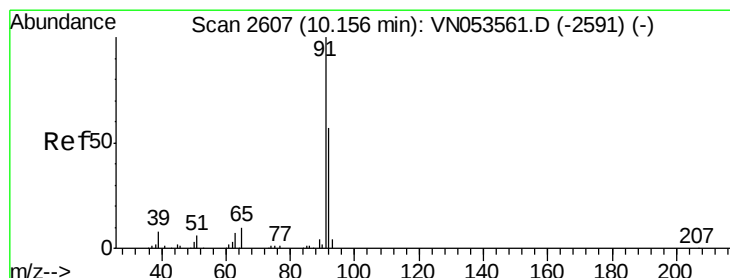
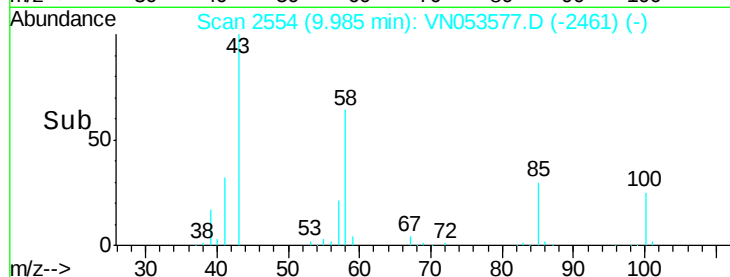
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 19.890 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053577.D

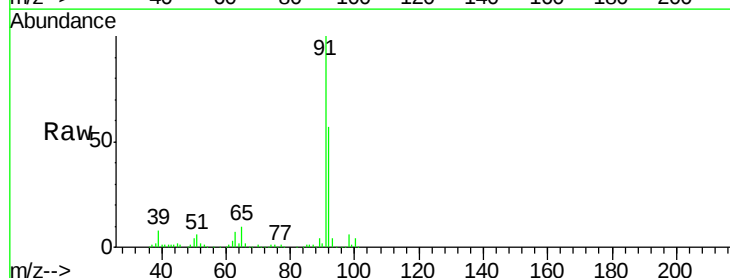
Acq: 1 Feb 2019 15:35

Tgt Ion: 92 Resp: 330145

Ion Ratio Lower Upper

92 100

91 175.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

250000

200000

150000

100000

50000

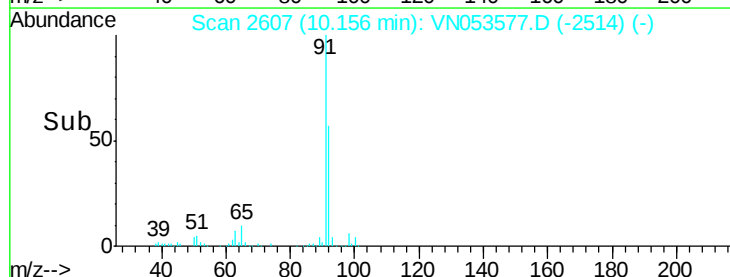
0

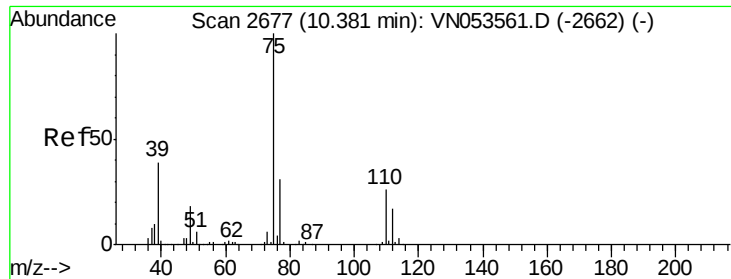
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.248 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

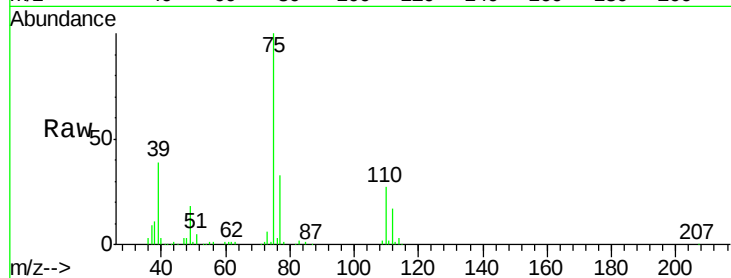
VN0201WBS01

Tot Ion: 75 Resp: 172812

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

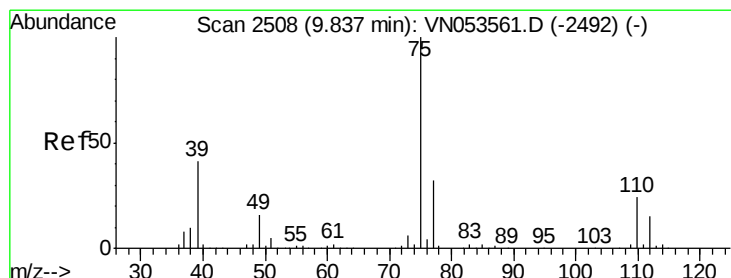
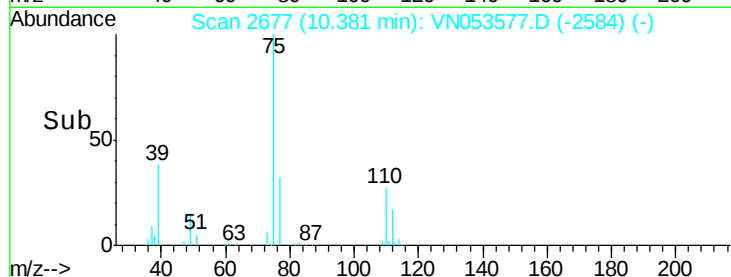
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.547 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

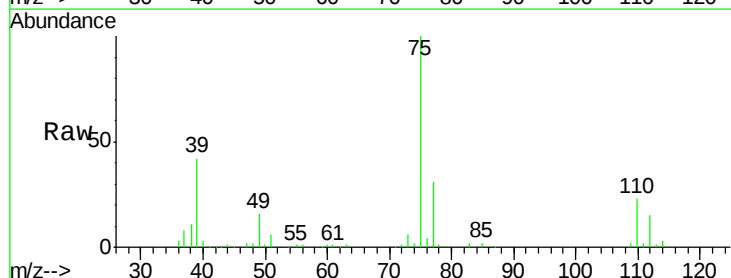
Tgt Ion: 75 Resp: 207954

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

39 42.0 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

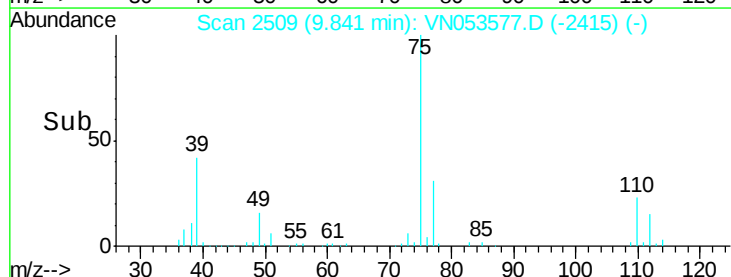
100000

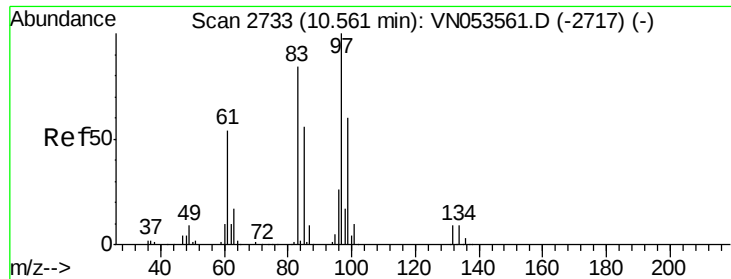
50000

0

9.80 9.90 10.00

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.703 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tot Ion: 97 Resp: 123827

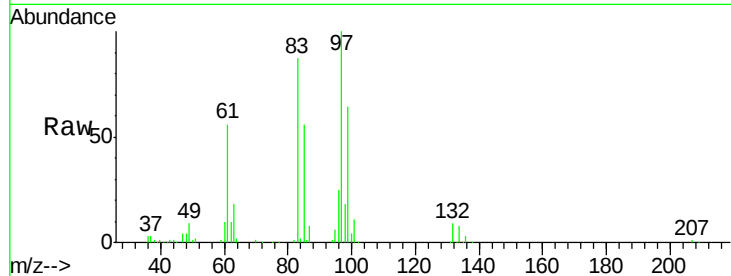
Ion Ratio Lower Upper

97 100

83 87.5 70.1 105.1

85 55.6 45.4 68.0

99 63.9 49.8 74.8

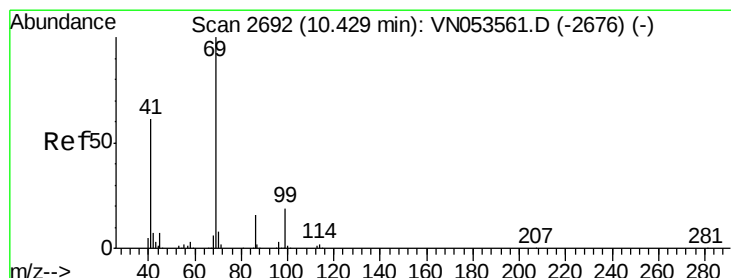
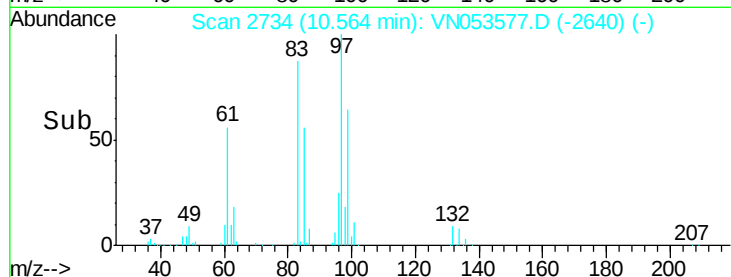
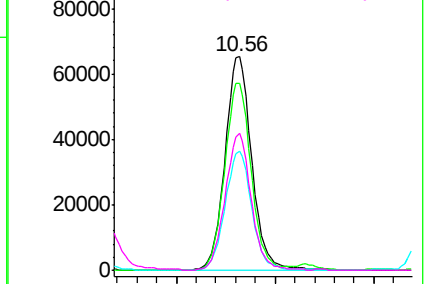


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.130 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

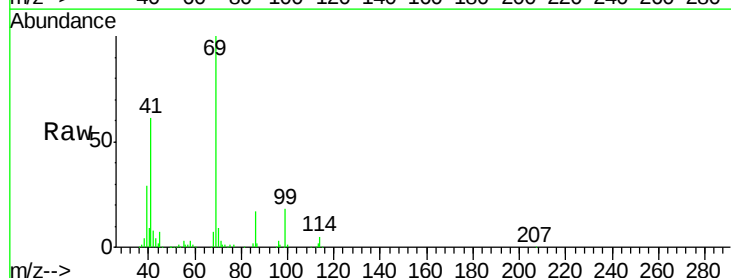
Tgt Ion: 69 Resp: 142436

Ion Ratio Lower Upper

69 100

41 61.4 49.4 74.0

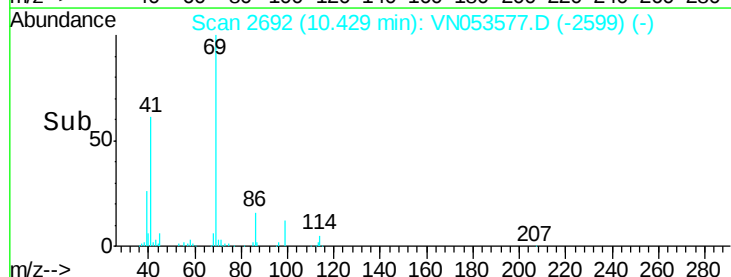
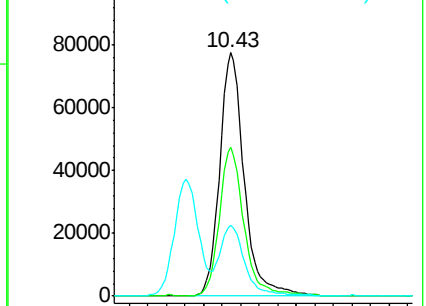
39 29.0 23.3 34.9

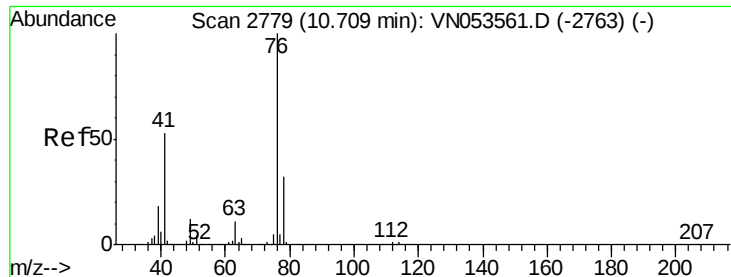


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

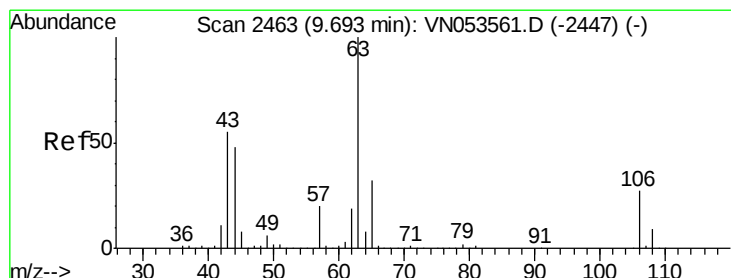
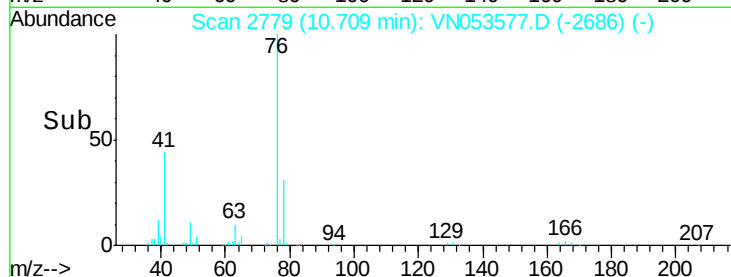
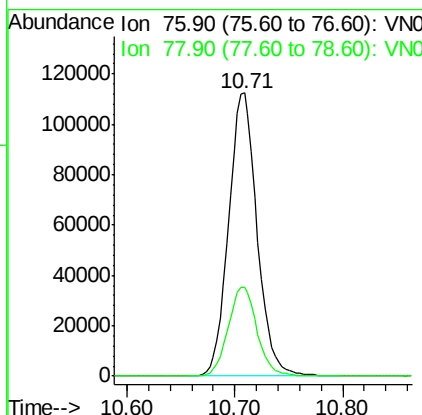
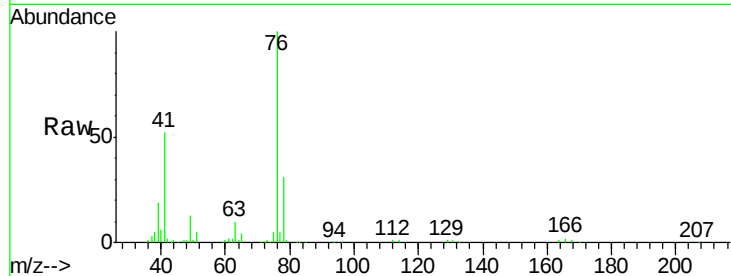




#57
 1,3-Dichloropropane
 Concen: 20.235 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

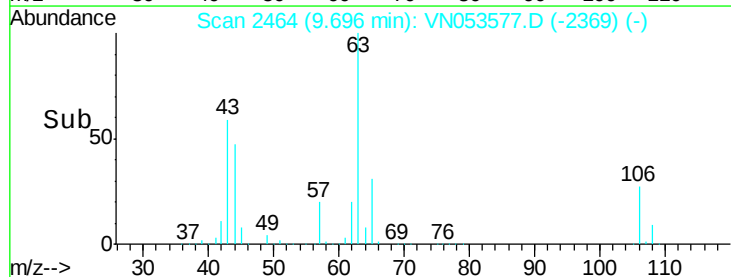
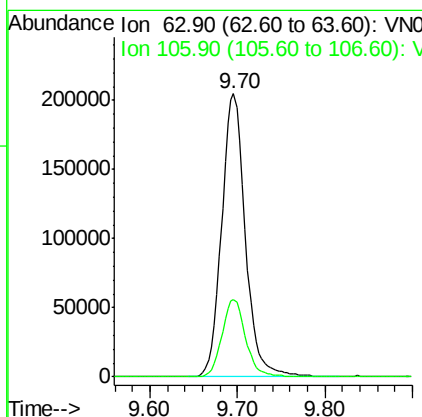
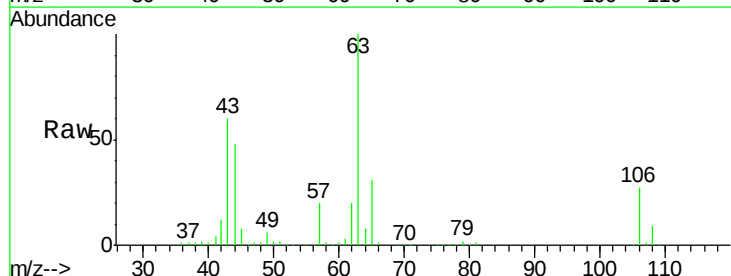
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

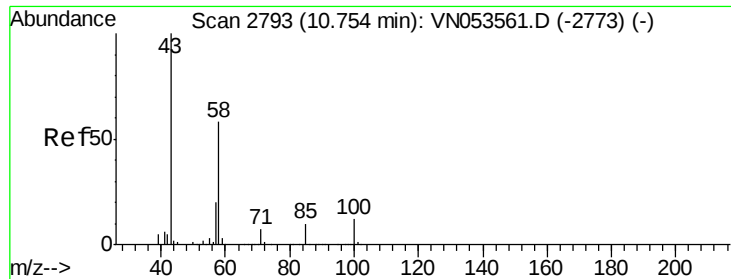
Tot Ion: 76 Resp: 206852
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.026 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion: 63 Resp: 385423
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.5 32.3

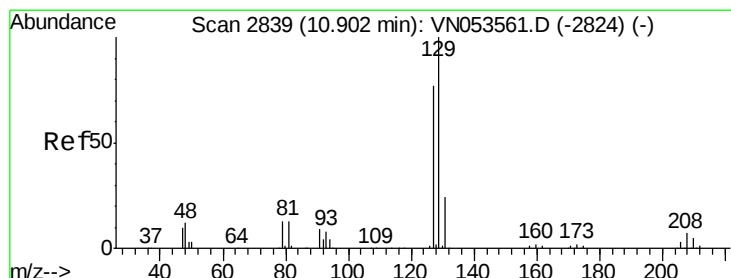
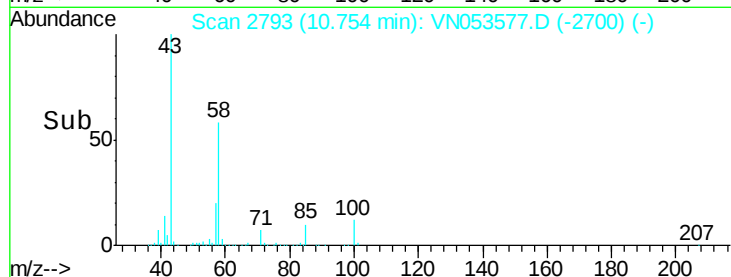
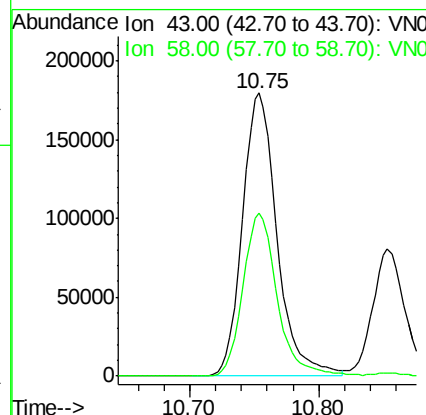
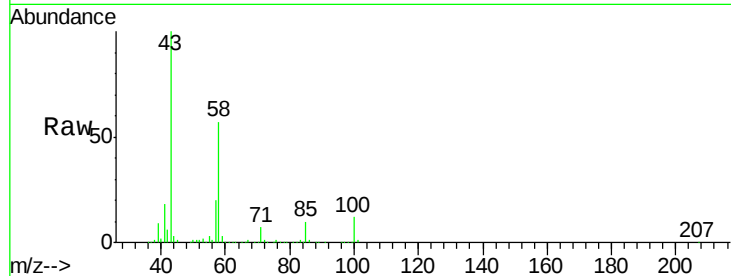




#59
2-Hexanone
Concen: 101.978 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

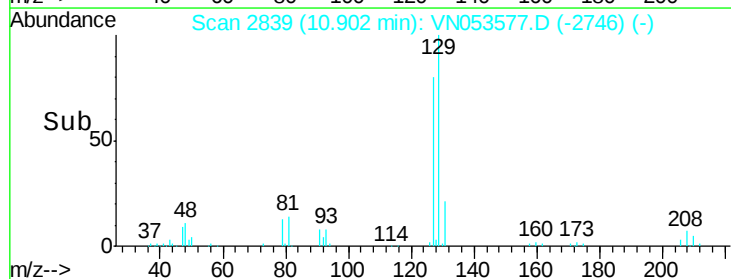
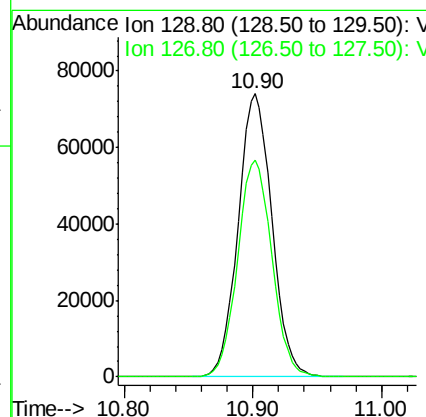
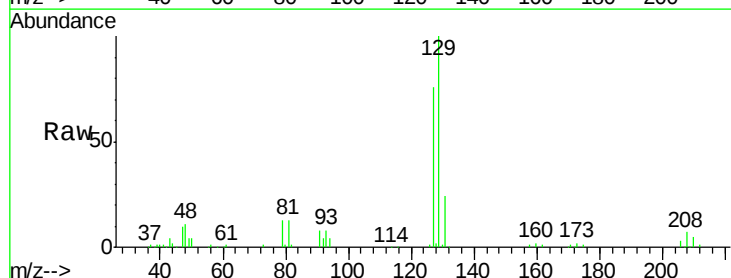
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

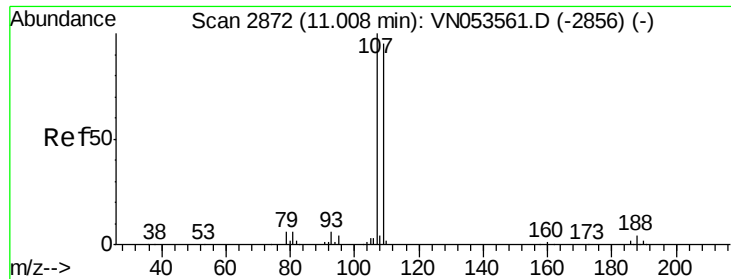
Tot Ion: 43 Resp: 332790
Ion Ratio Lower Upper
43 100
58 57.4 28.6 85.8



#60
Dibromochloromethane
Concen: 19.995 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 129 Resp: 134861
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8

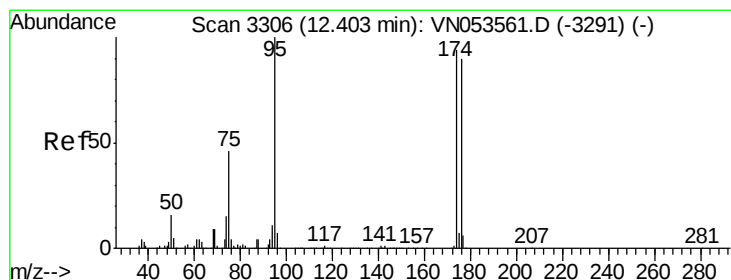
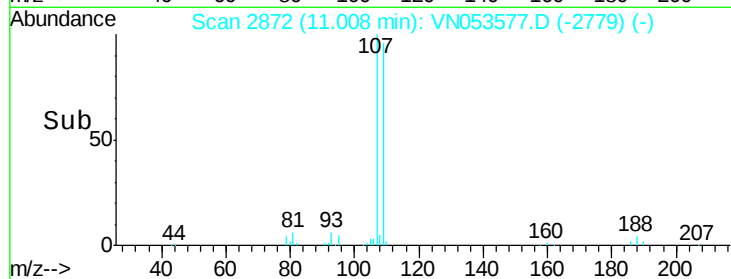
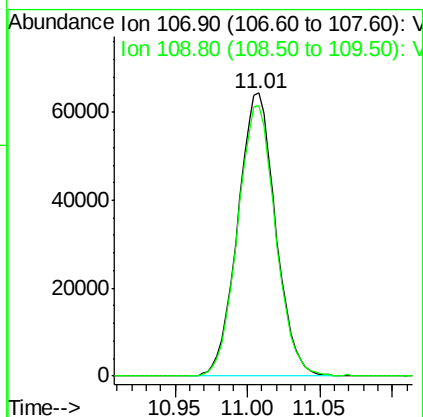
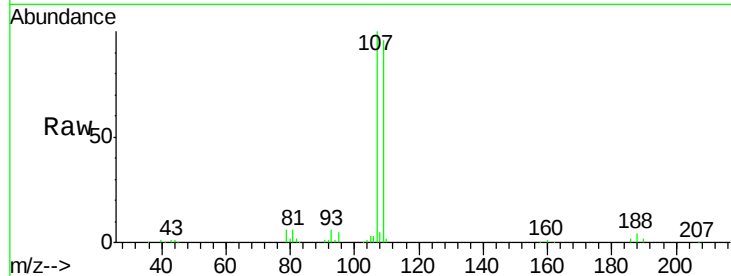




#61
 1,2-Dibromoethane
 Concen: 19.683 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

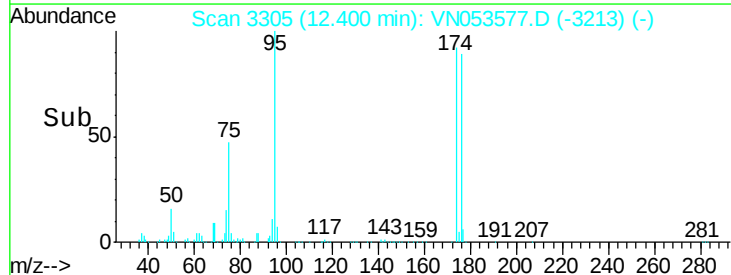
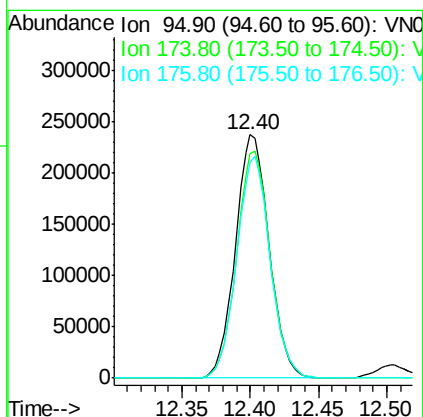
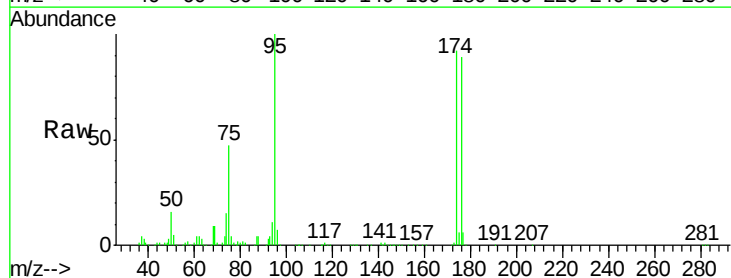
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tot Ion: 107 Resp: 116521
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.683 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion: 95 Resp: 405745
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 183.2
 176 90.1 0.0 177.4

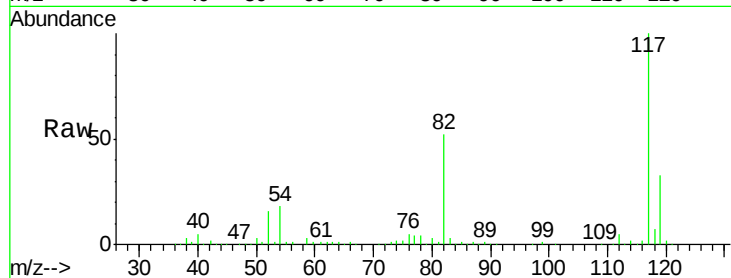




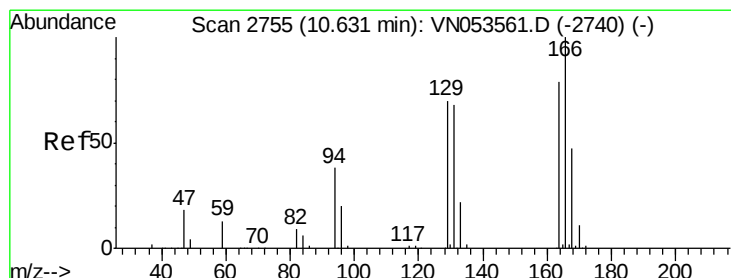
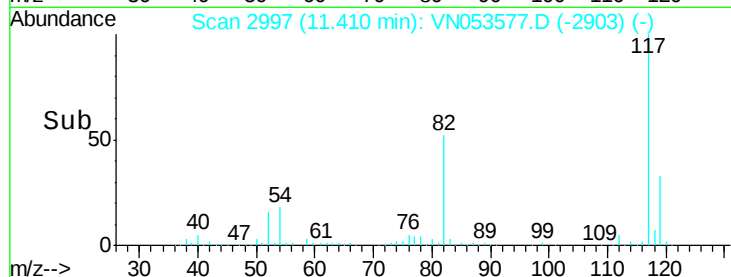
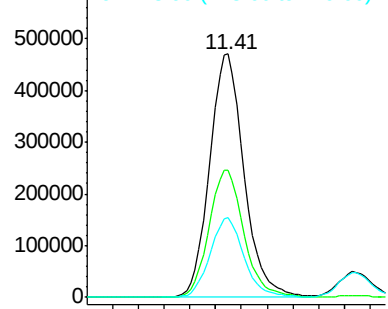
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tot Ion:117 Resp: 874330
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 32.6 26.0 39.0

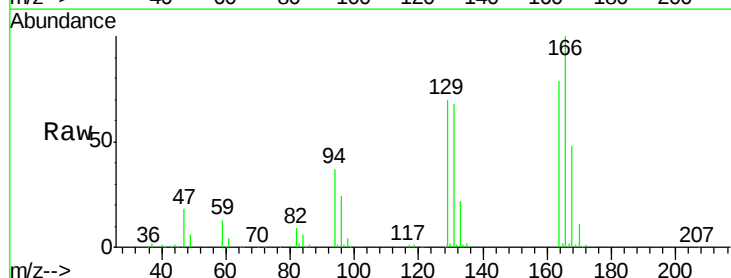


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

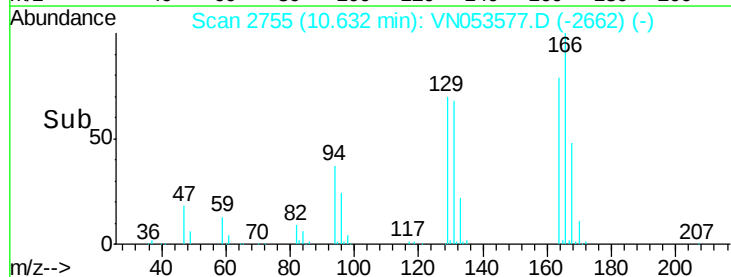
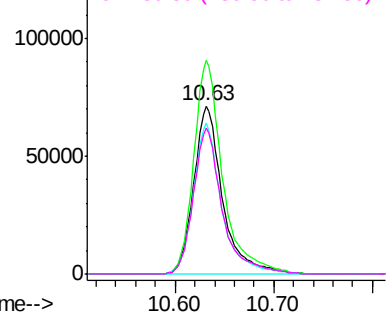


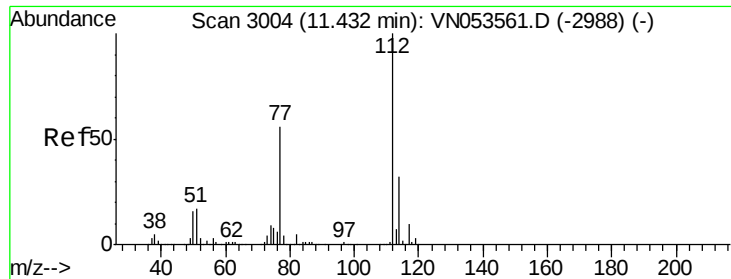
#64
Tetrachloroethene
Concen: 19.480 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion:164 Resp: 146002
Ion Ratio Lower Upper
164 100
166 127.0 102.2 153.4
129 89.5 72.6 109.0
131 87.0 69.5 104.3



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





#65

Chlorobenzene

Concen: 19.575 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

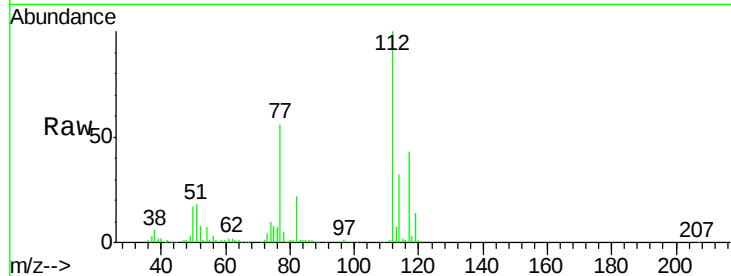
VN0201WBS01

Tot Ion:112 Resp: 363534

Ion Ratio Lower Upper

112 100

114 32.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

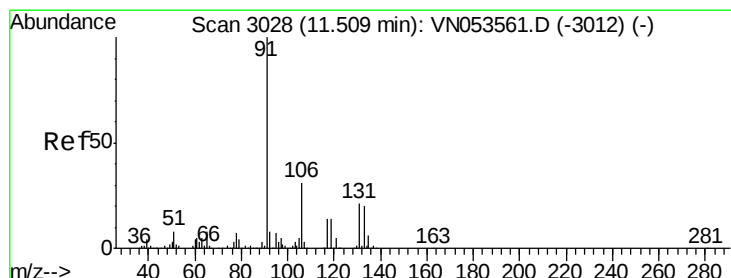
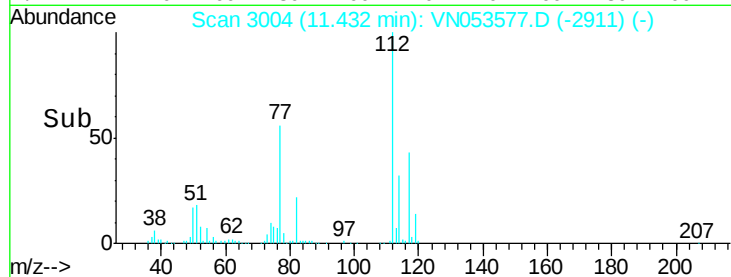
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.957 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

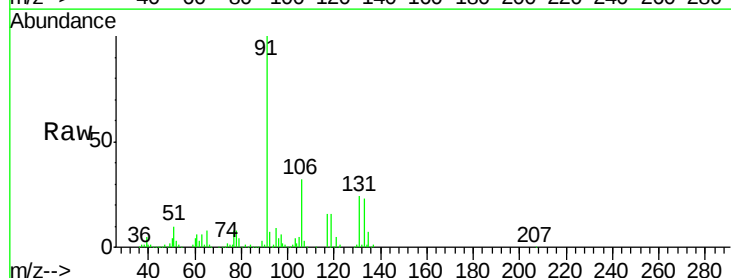
Tgt Ion:131 Resp: 129438

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.0

119 65.8 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

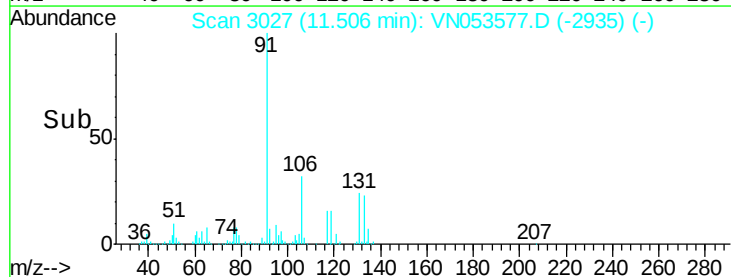
150000

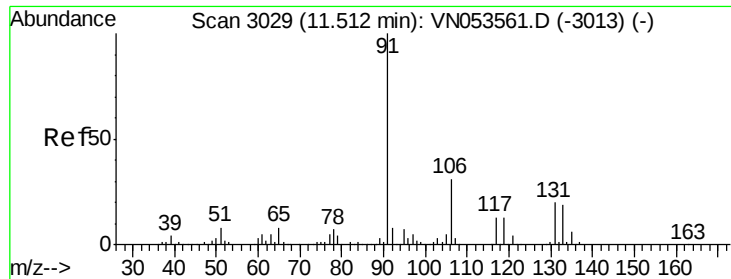
100000

50000

0

Time-->

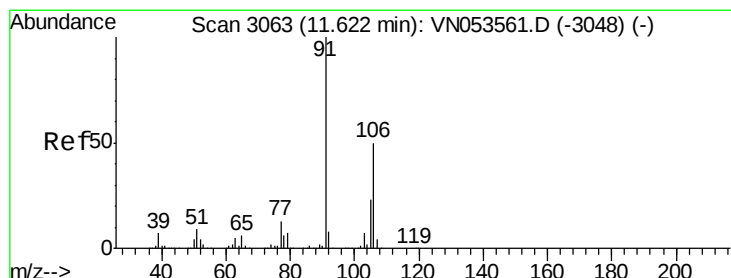
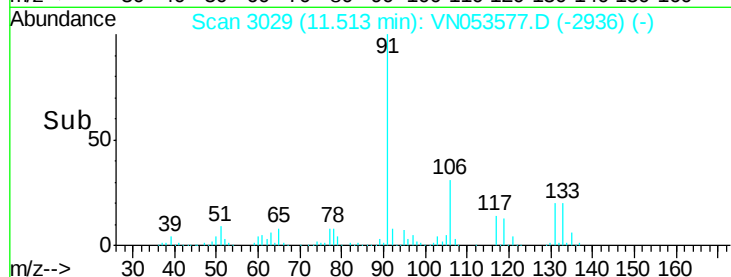
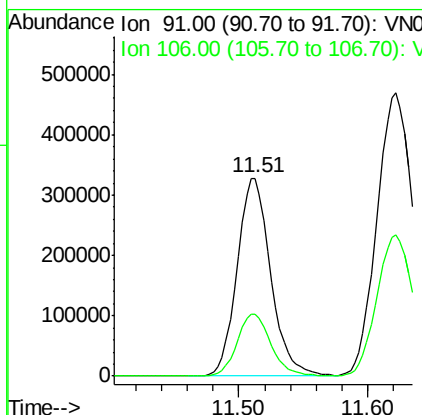
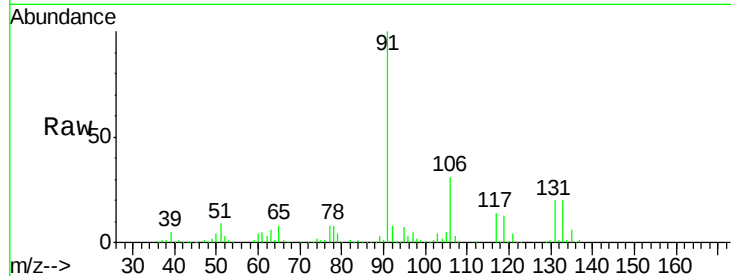




#67
Ethyl Benzene
Concen: 19.487 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

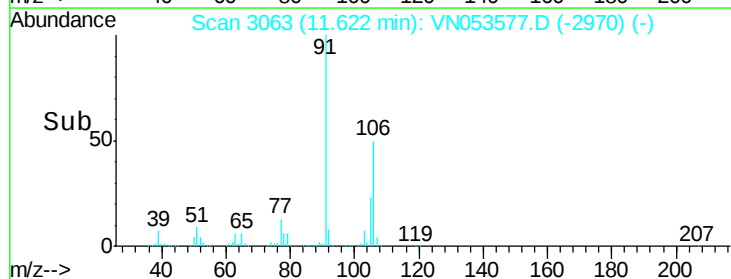
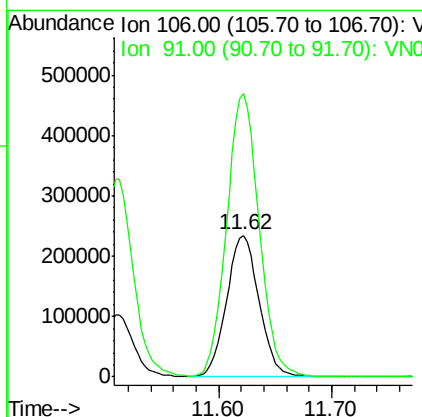
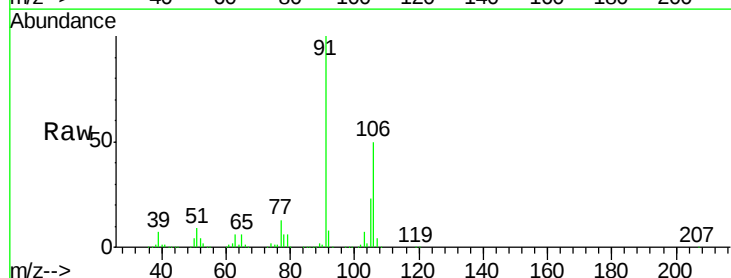
Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

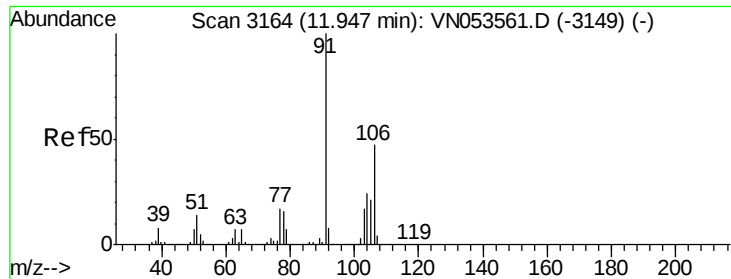
Tot Ion: 91 Resp: 594491
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 40.189 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 106 Resp: 467950
Ion Ratio Lower Upper
106 100
91 199.9 161.4 242.2

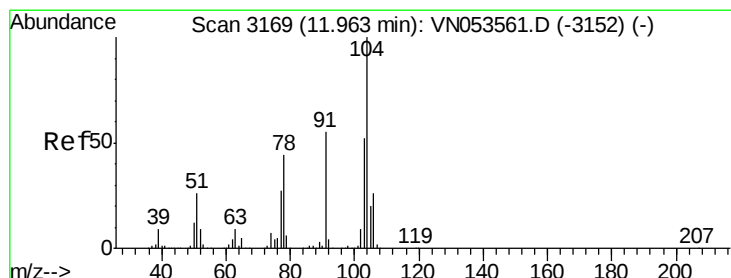
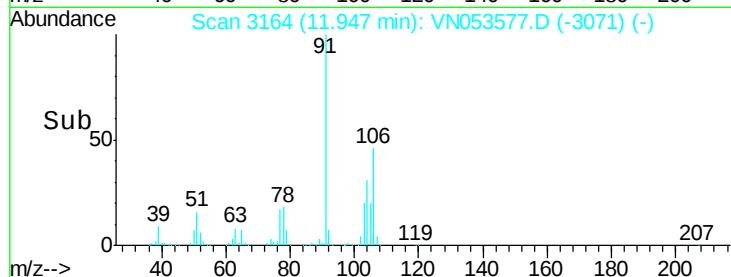
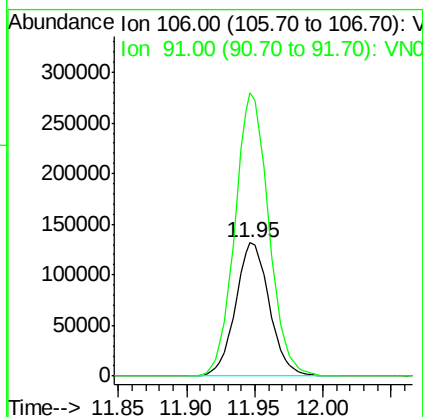
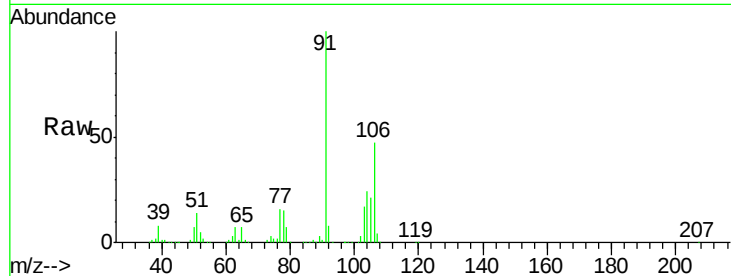




#69
o-Xylene
Concen: 20.107 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

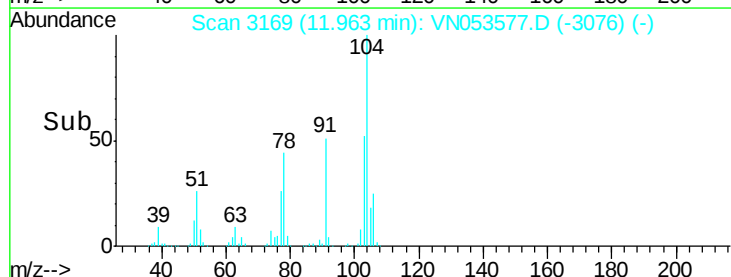
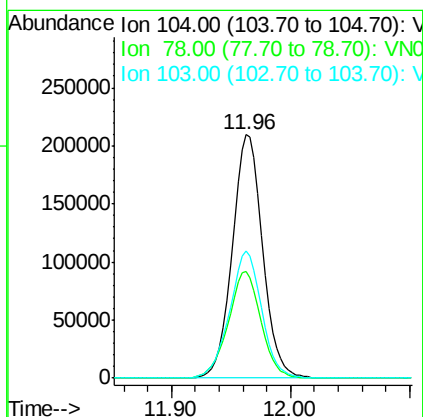
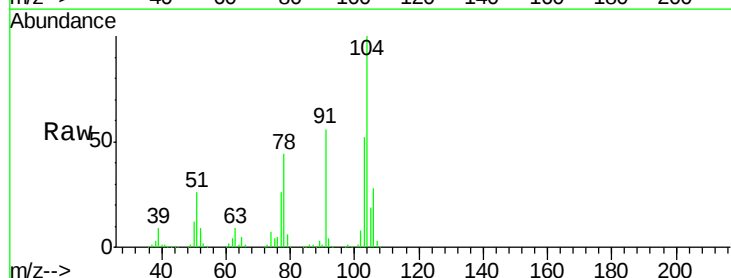
Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

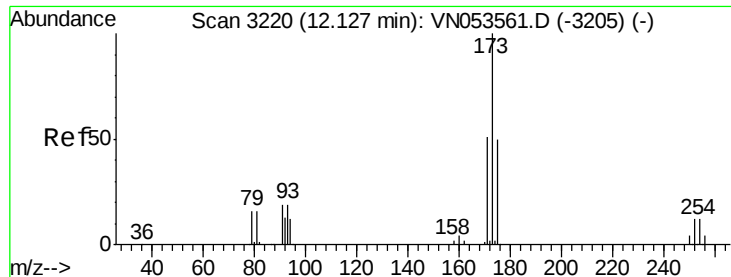
Tot Ion:106 Resp: 226175
Ion Ratio Lower Upper
106 100
91 213.0 106.9 320.8



#70
Styrene
Concen: 20.223 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion:104 Resp: 368710
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.6 44.4 66.6

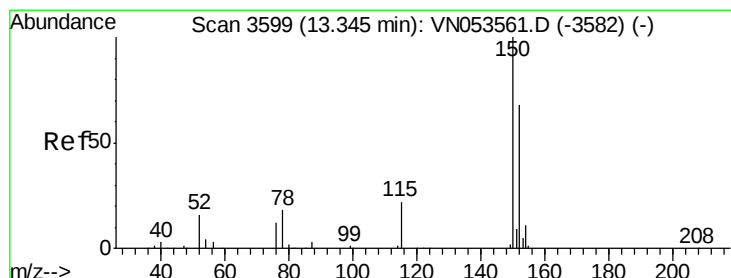
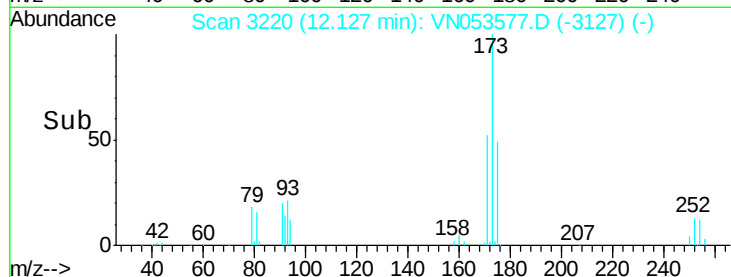
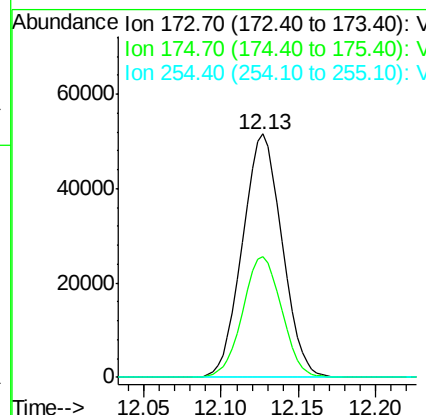
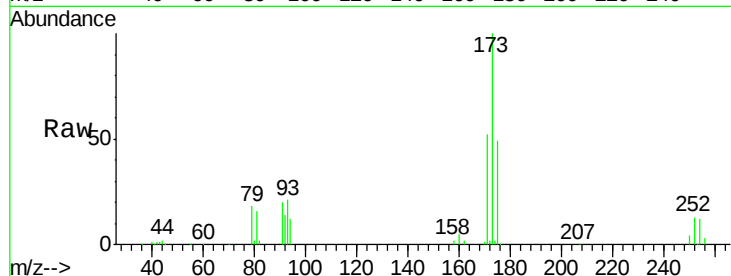




#71
 Bromoform
 Concen: 20.672 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

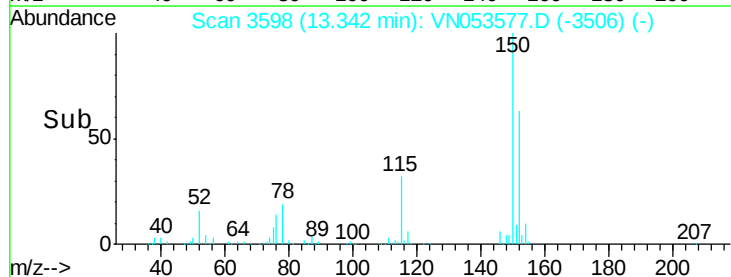
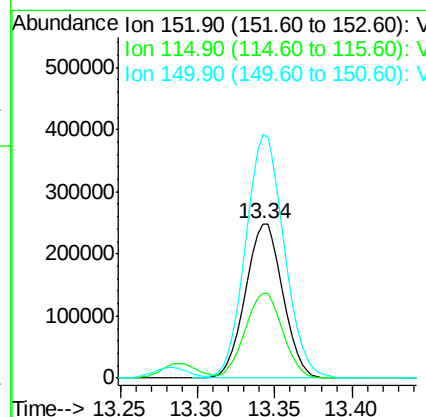
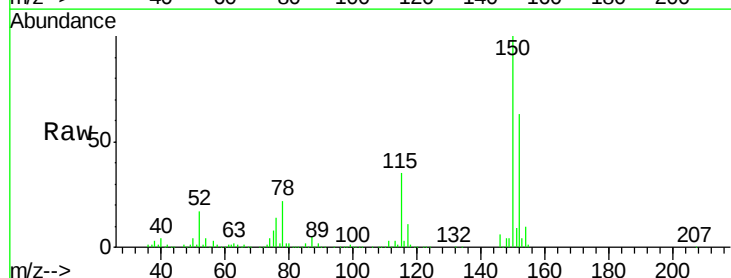
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

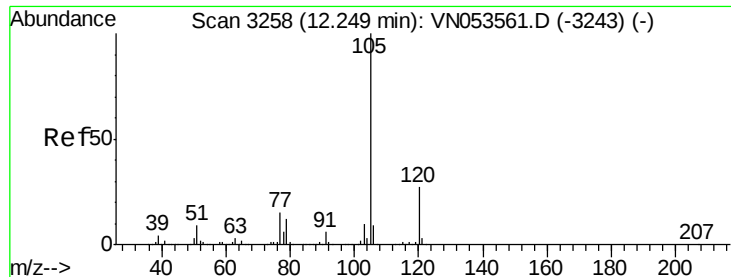
Tot Ion:173 Resp: 91920
 Ion Ratio Lower Upper
 173 100
 175 49.0 24.6 74.0
 254 0.0 0.2 0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion:152 Resp: 418441
 Ion Ratio Lower Upper
 152 100
 115 55.5 27.8 83.4
 150 162.6 0.0 349.0





#73

Isopropylbenzene

Concen: 20.148 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

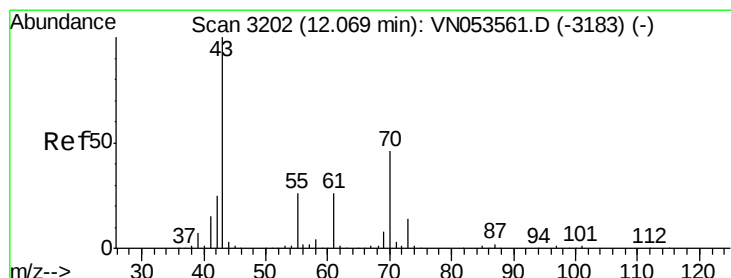
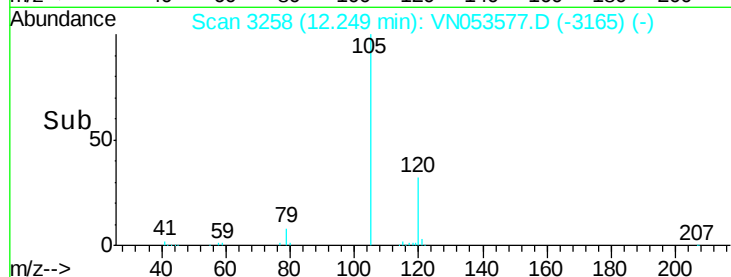
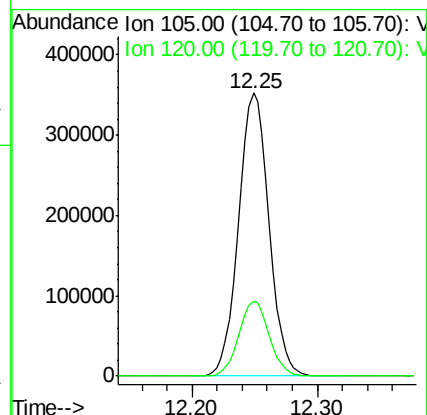
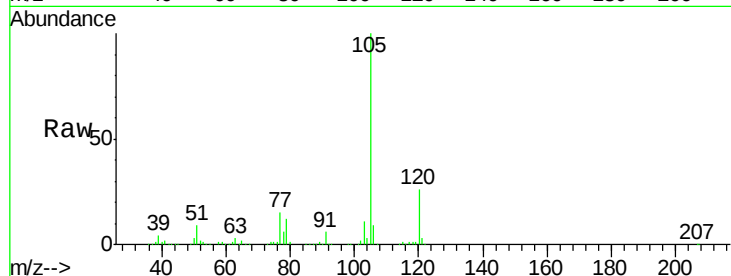
VN0201WBS01

Tot Ion:105 Resp: 592673

Ion Ratio Lower Upper

105 100

120 26.6 13.6 40.7



#74

N-ethyl acetate

Concen: 19.493 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Tgt Ion: 43 Resp: 137886

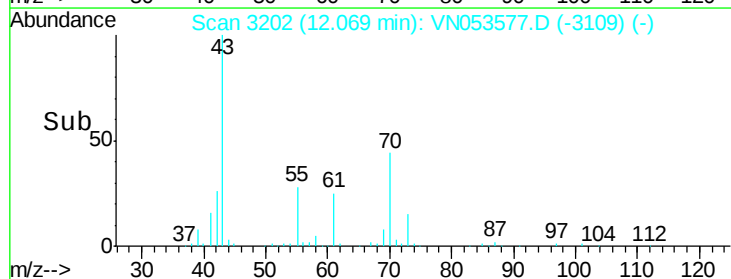
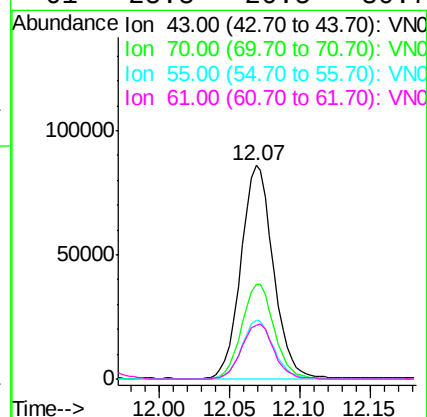
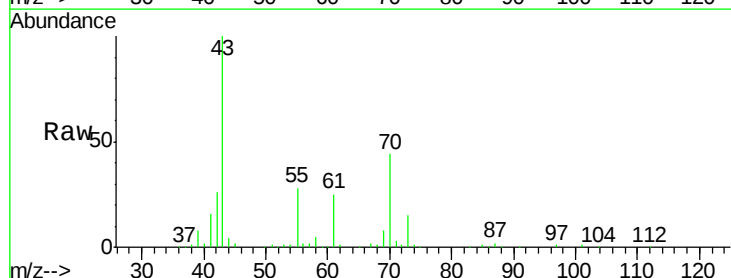
Ion Ratio Lower Upper

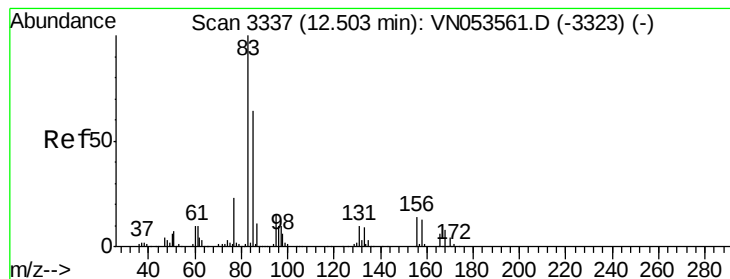
43 100

70 45.0 35.4 53.2

55 27.3 20.9 31.3

61 25.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.094 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

VN0201WBS01

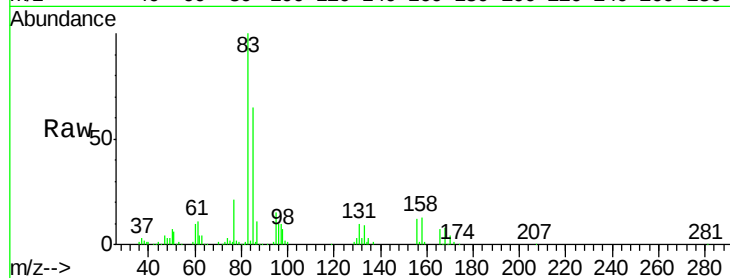
Tot Ion: 83 Resp: 141459

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

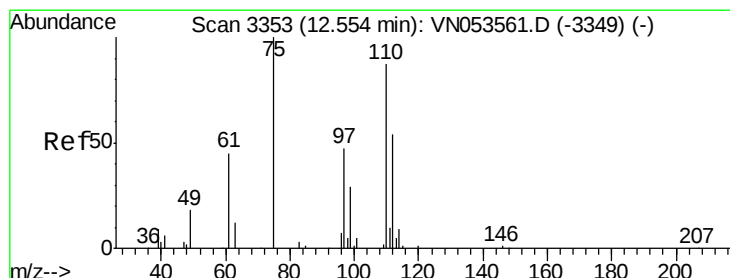
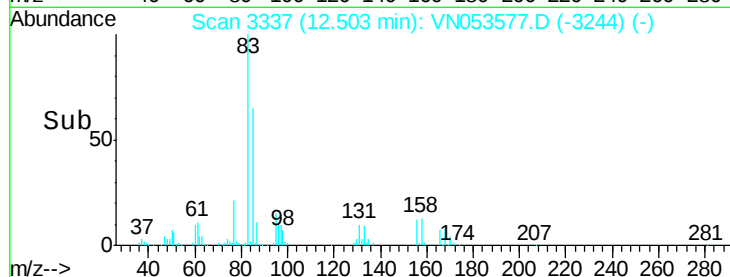
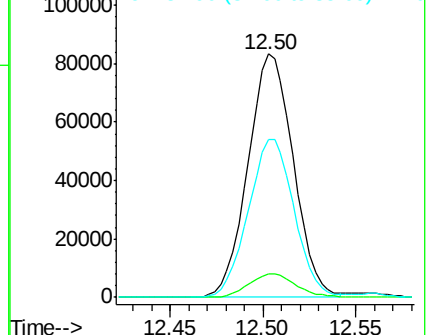
85 65.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.137 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053577.D

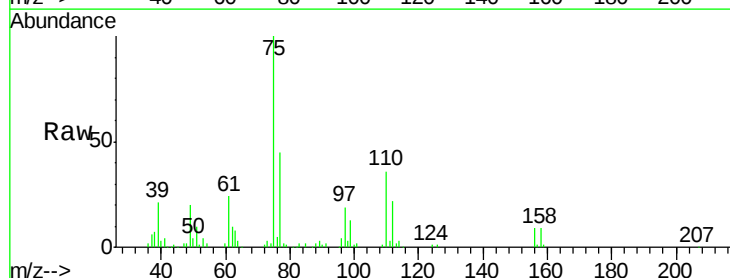
Acq: 1 Feb 2019 15:35

Tgt Ion: 75 Resp: 172722

Ion Ratio Lower Upper

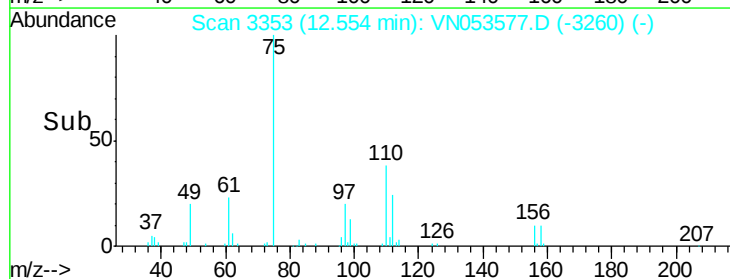
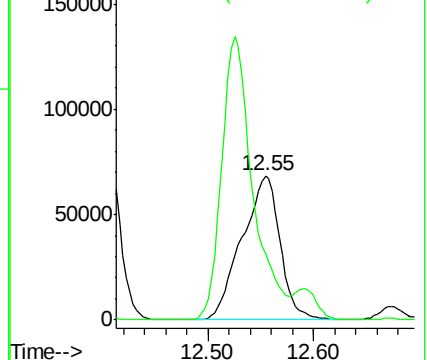
75 100

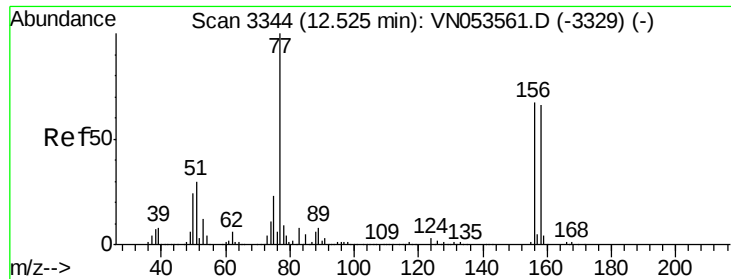
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.616 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

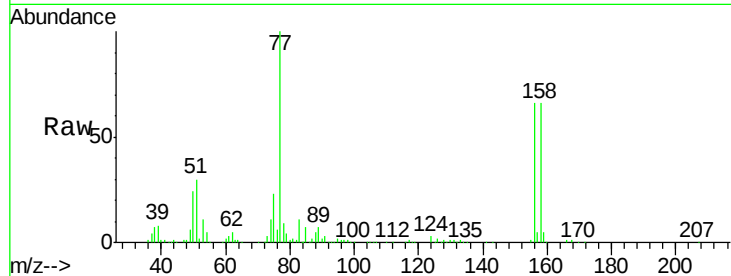
Tot Ion:156 Resp: 155508

Ion Ratio Lower Upper

156 100

77 176.9 87.9 263.8

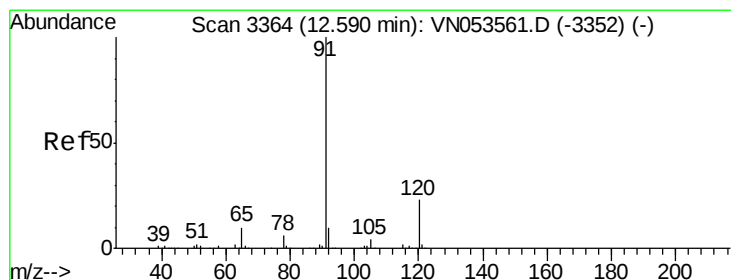
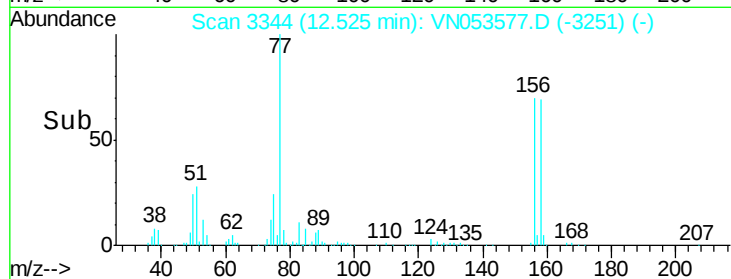
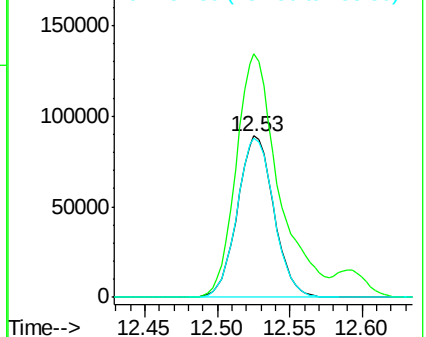
158 99.6 48.8 146.4



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: 19.897 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053577.D

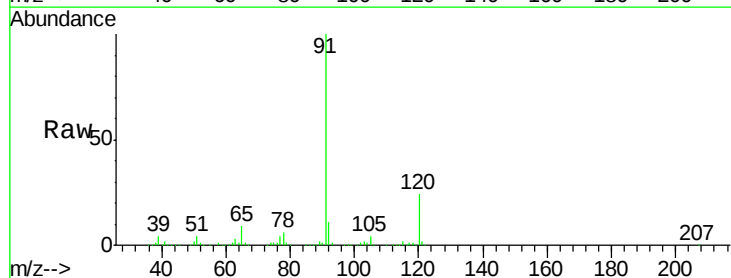
Acq: 1 Feb 2019 15:35

Tgt Ion: 91 Resp: 676609

Ion Ratio Lower Upper

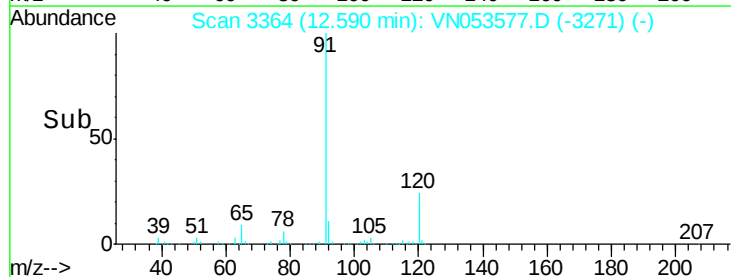
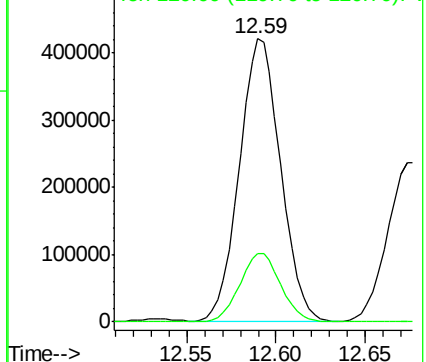
91 100

120 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.042 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

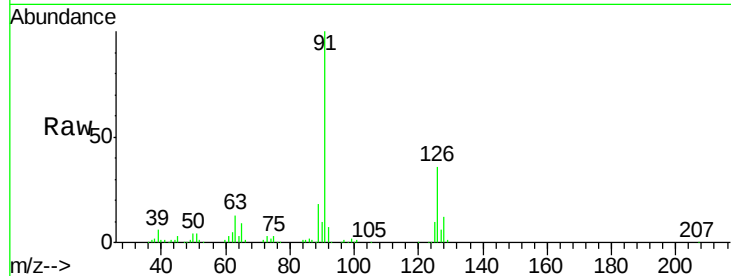
VN0201WBS01

Tot Ion: 91 Resp: 404337

Ion Ratio Lower Upper

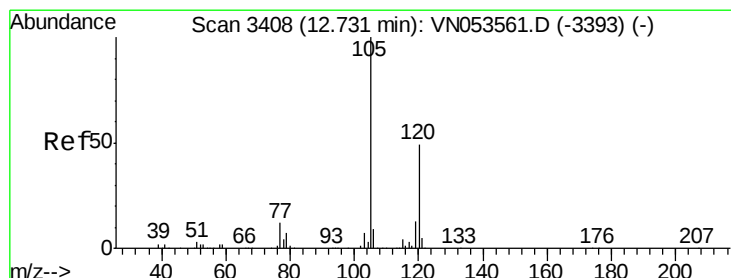
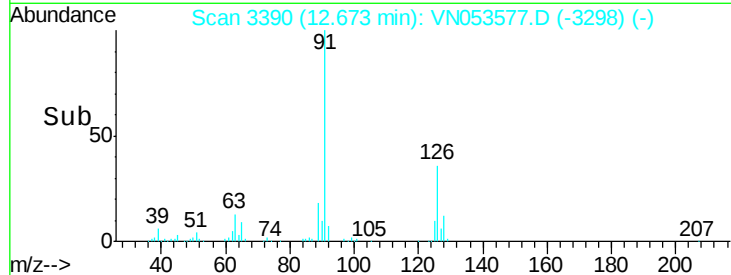
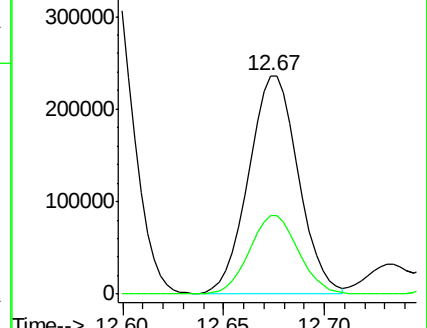
91 100

126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.686 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053577.D

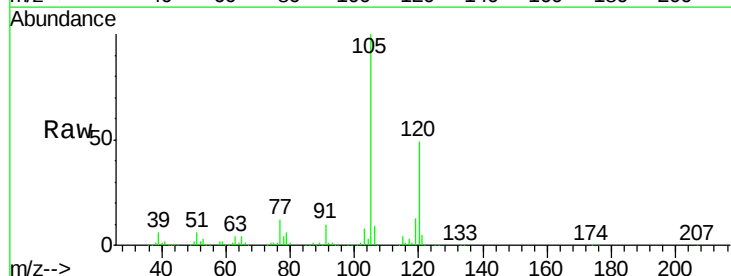
Acq: 1 Feb 2019 15:35

Tgt Ion: 105 Resp: 504593

Ion Ratio Lower Upper

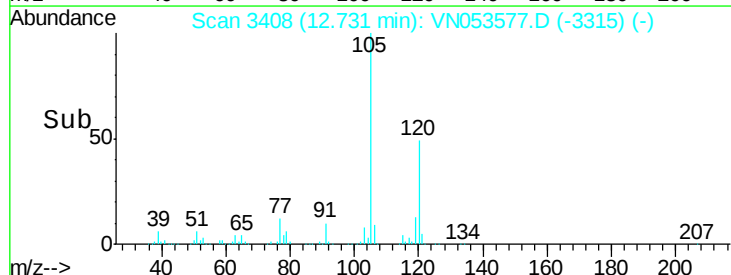
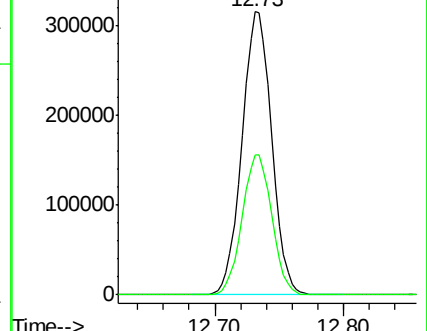
105 100

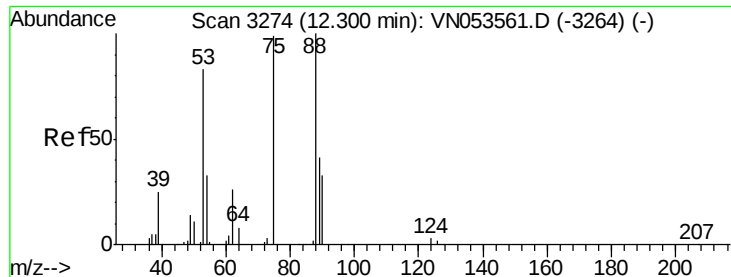
120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.490 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

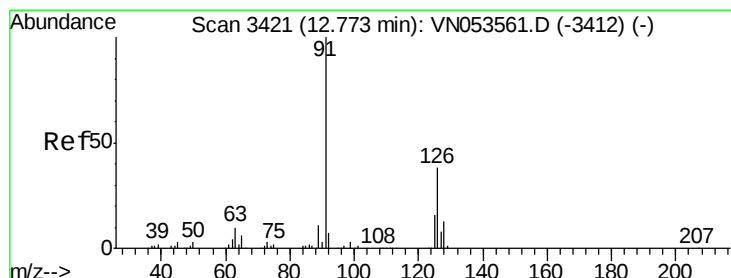
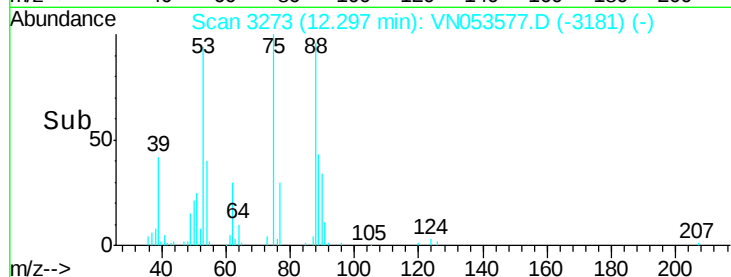
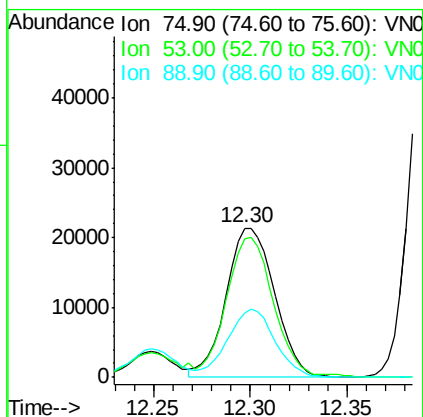
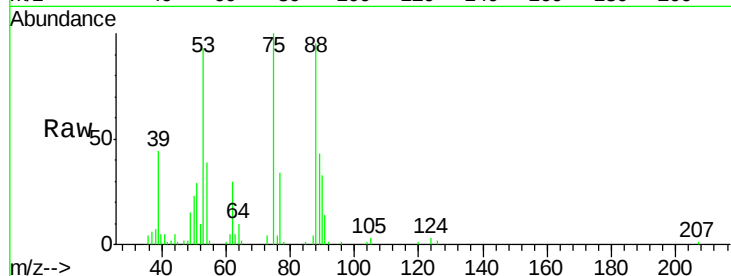
Tot Ion: 75 Resp: 37253

Ion Ratio Lower Upper

75 100

53 87.9 69.8 104.6

89 44.6 35.6 53.4



#82

4-Chlorotoluene

Concen: 19.834 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053577.D

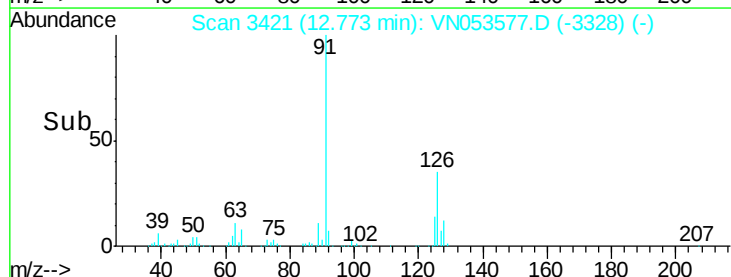
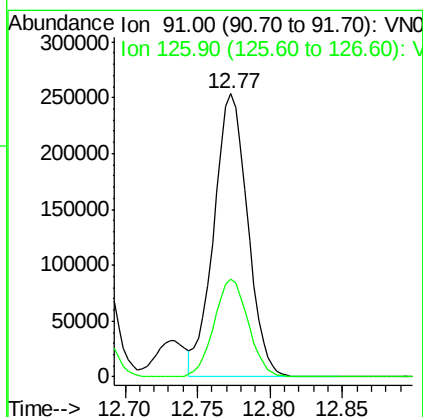
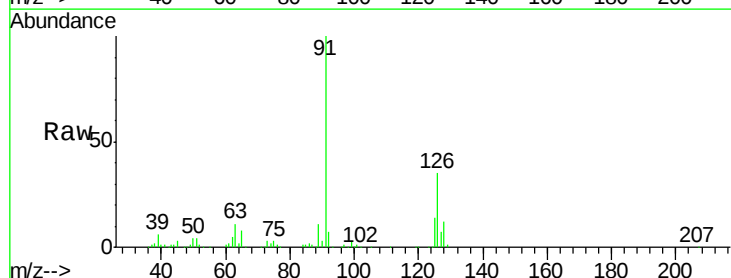
Acq: 1 Feb 2019 15:35

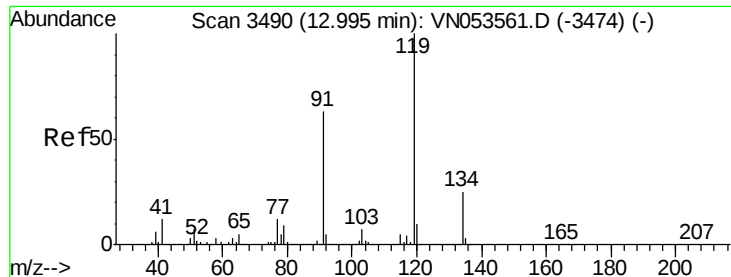
Tgt Ion: 91 Resp: 410610

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.9

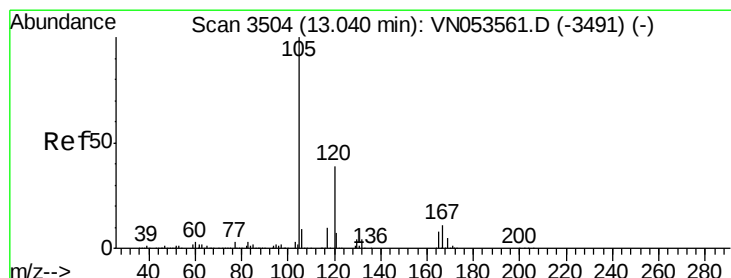
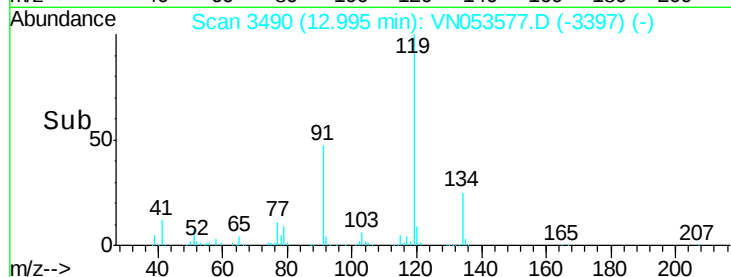
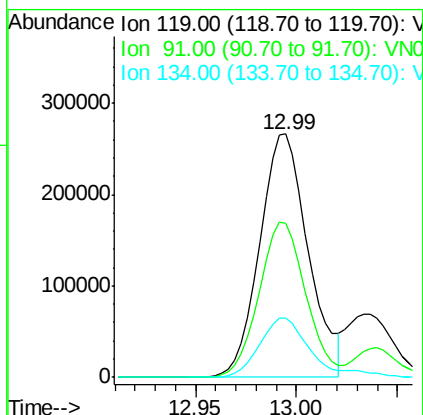
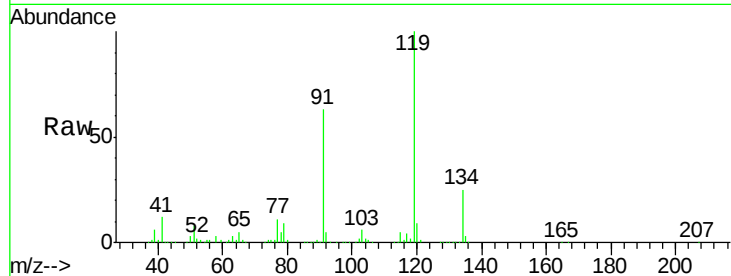




#83
 tert-Butylbenzene
 Concen: 20.678 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

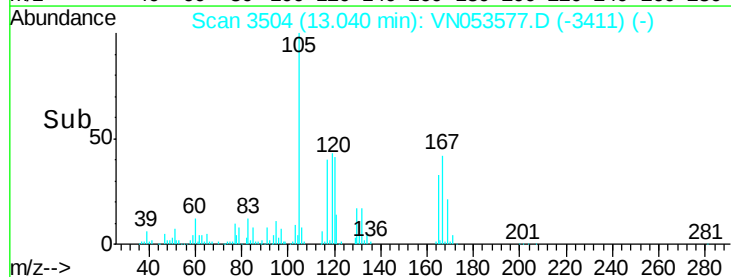
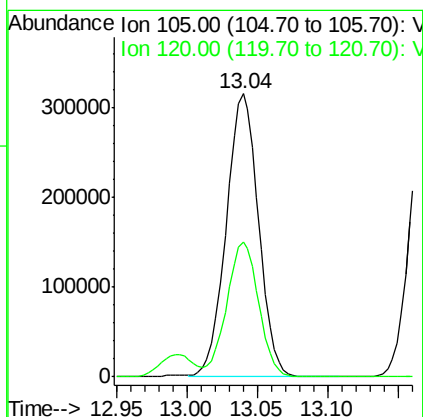
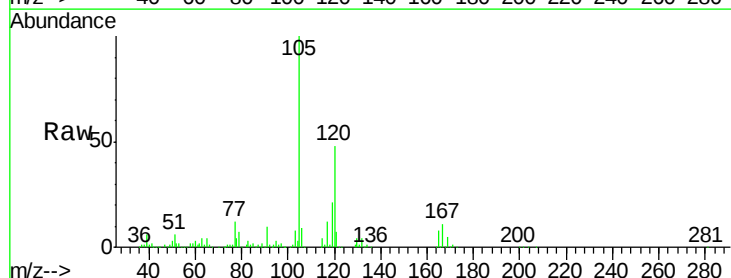
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

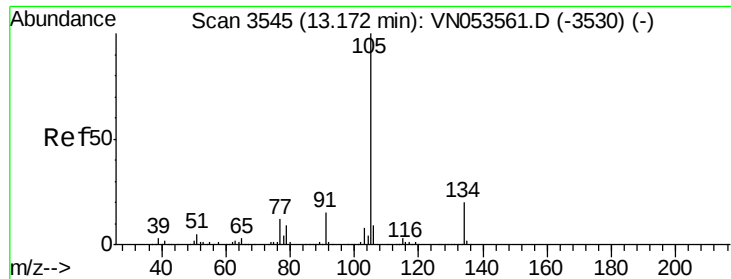
Tot Ion:119 Resp: 445795
 Ion Ratio Lower Upper
 119 100
 91 61.3 31.3 93.8
 134 26.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.230 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion:105 Resp: 502746
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.381 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

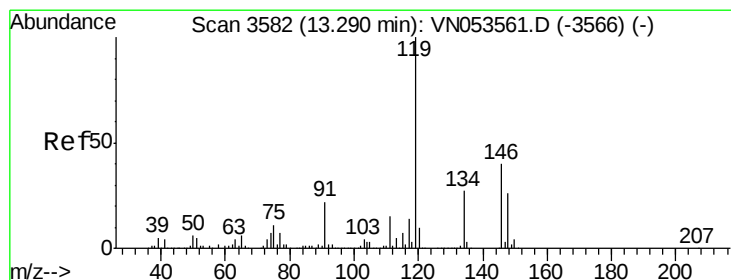
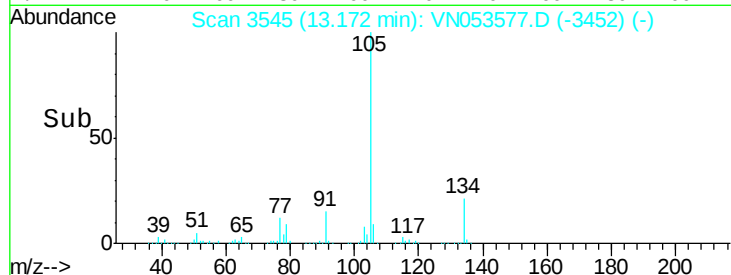
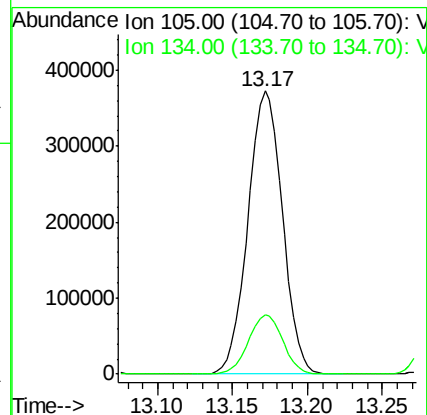
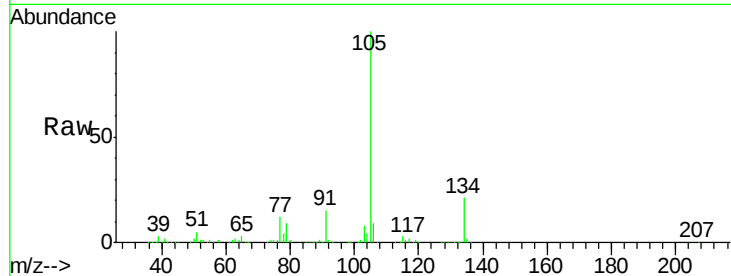
VN0201WBS01

Tot Ion:105 Resp: 597920

Ion Ratio Lower Upper

105 100

134 20.9 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.080 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

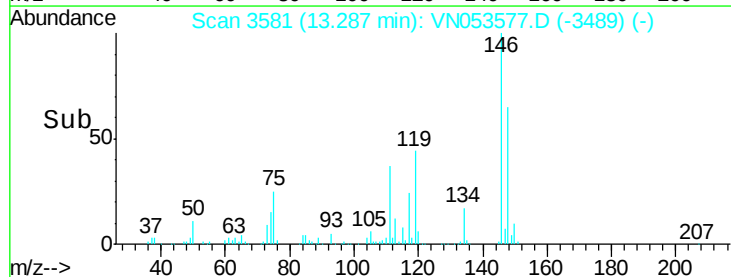
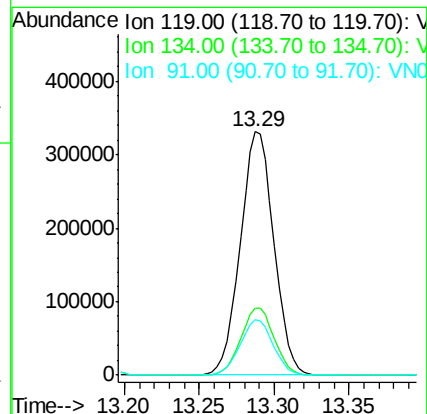
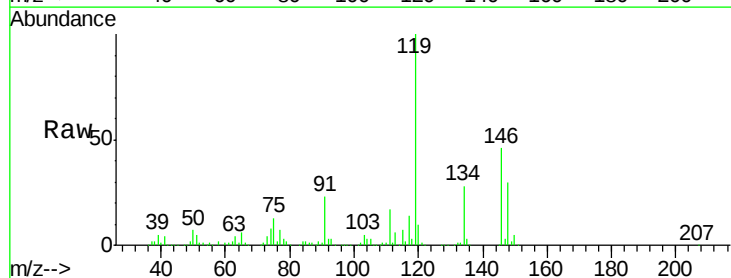
Tgt Ion:119 Resp: 515229

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

91 22.2 11.0 33.0

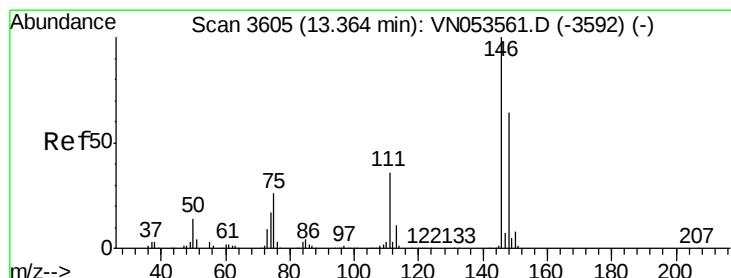
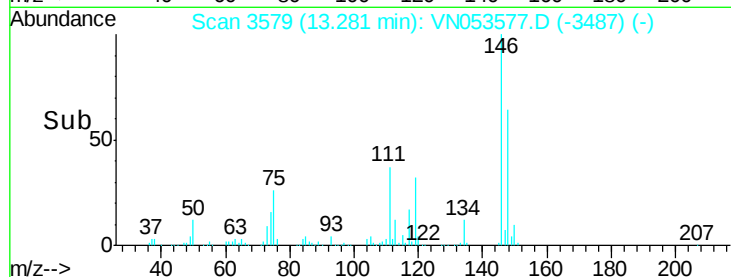
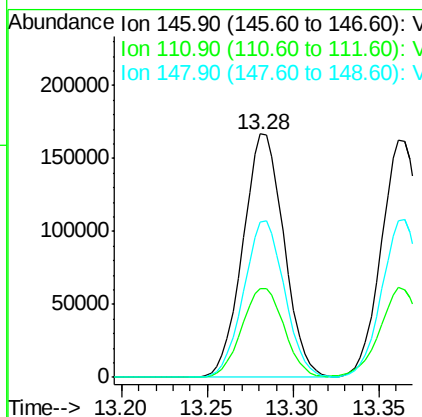
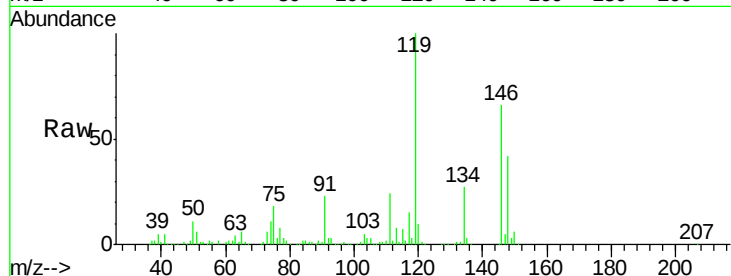




#87
 1,3-Dichlorobenzene
 Concen: 19.401 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

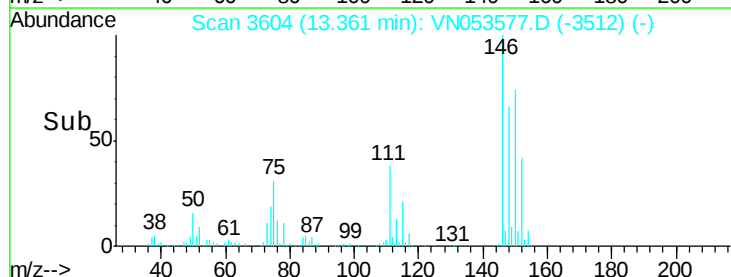
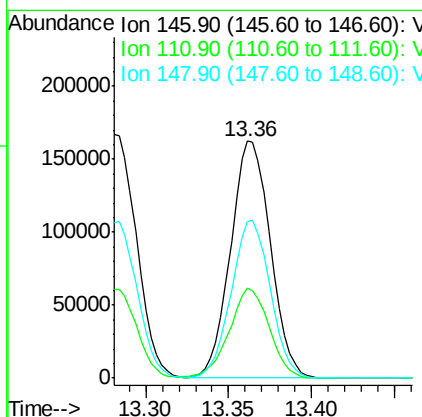
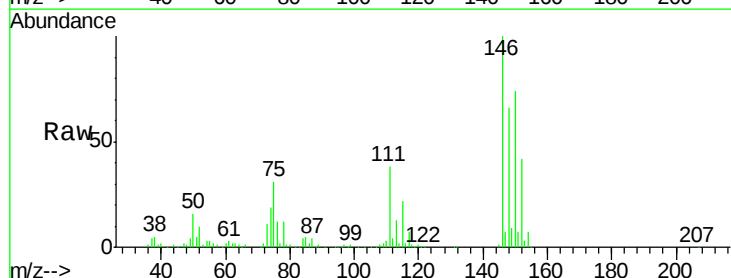
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tot Ion:146 Resp: 276489
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.3
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.242 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion:146 Resp: 271265
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 55.8
 148 65.6 32.4 97.0

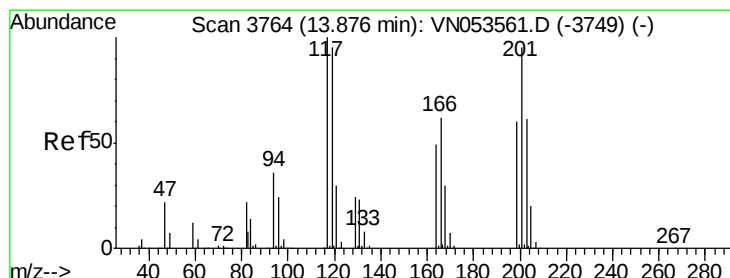
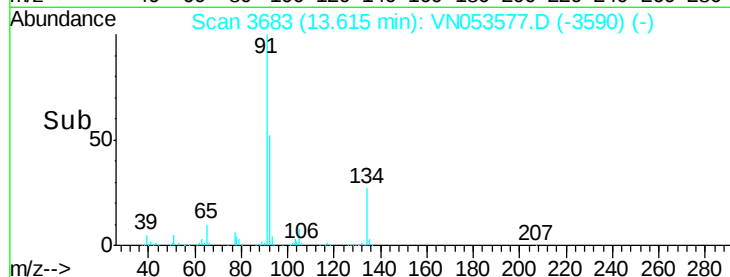
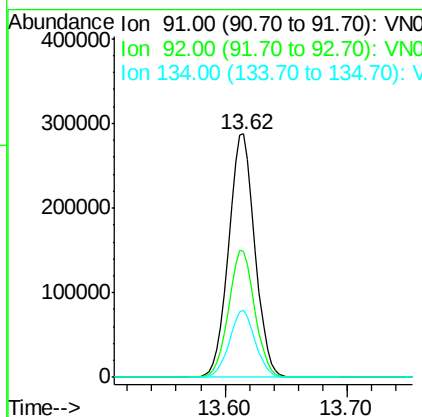
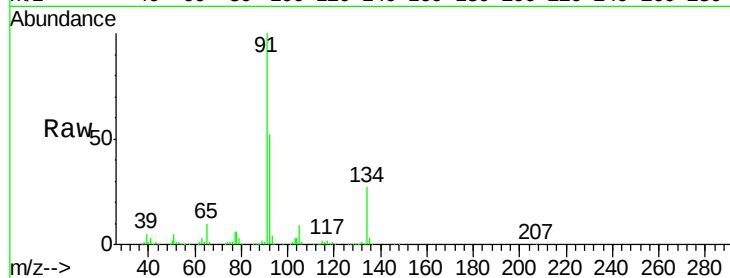




#89
n-Butylbenzene
Concen: 19.485 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

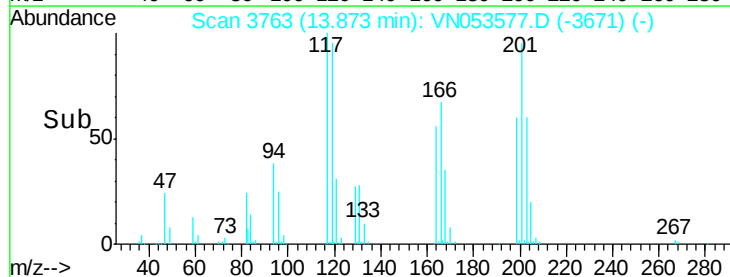
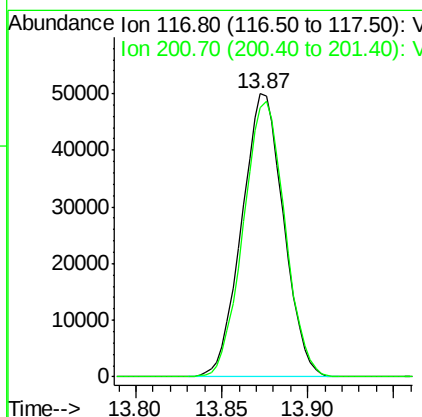
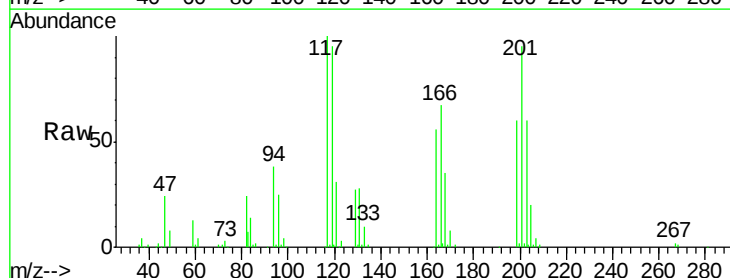
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

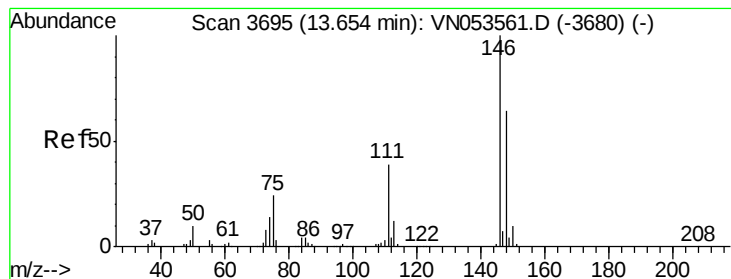
Tot Ion: 91 Resp: 432741
Ion Ratio Lower Upper
91 100
92 52.1 26.3 78.8
134 27.1 13.5 40.5



#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 117 Resp: 84168
Ion Ratio Lower Upper
117 100
201 96.8 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 19.863 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

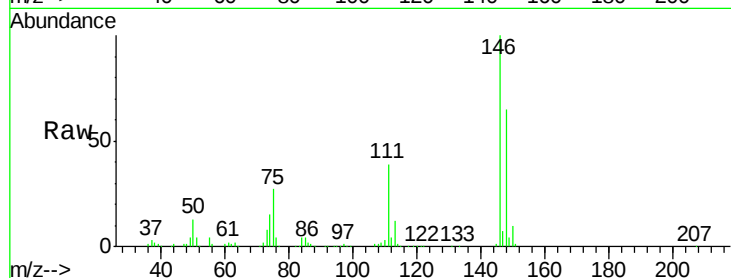
Tot Ion:146 Resp: 271006

Ion Ratio Lower Upper

146 100

111 38.9 19.5 58.5

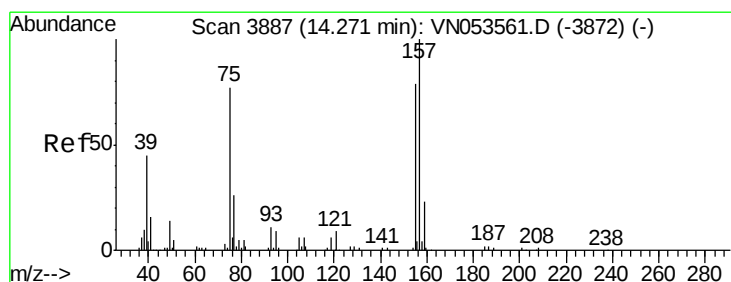
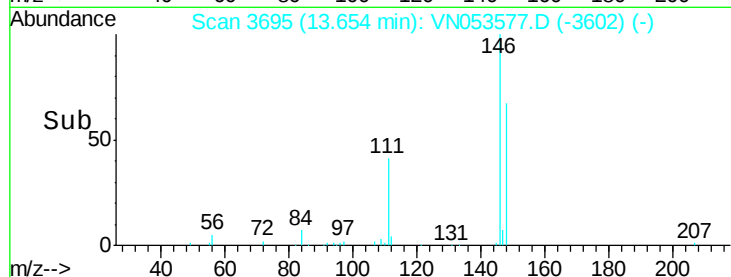
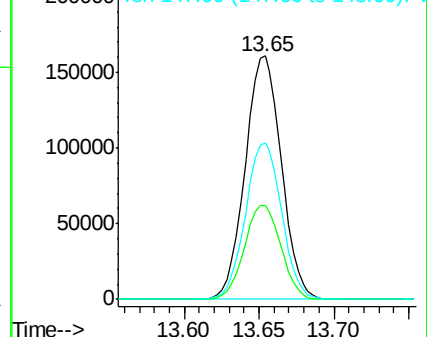
148 64.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.724 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

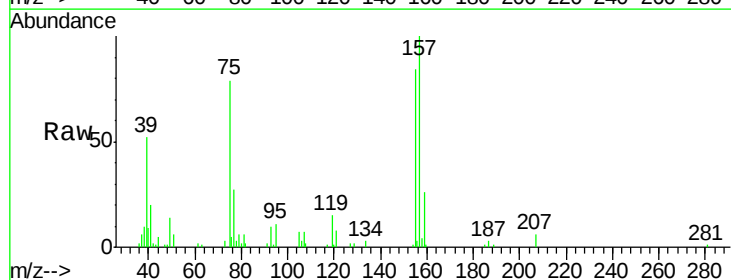
Tgt Ion: 75 Resp: 20793

Ion Ratio Lower Upper

75 100

155 103.1 48.9 146.7

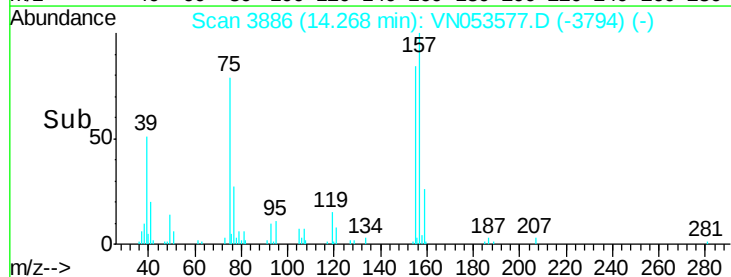
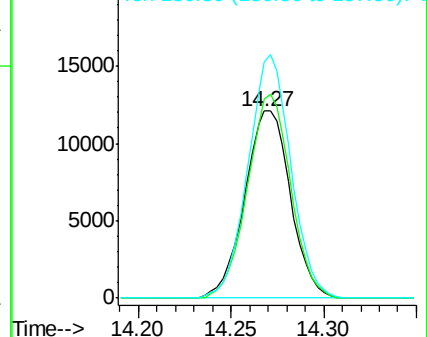
157 122.0 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

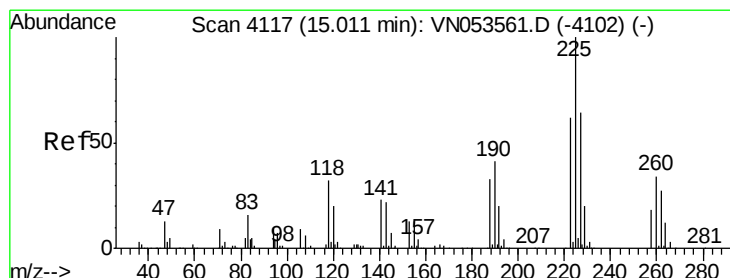
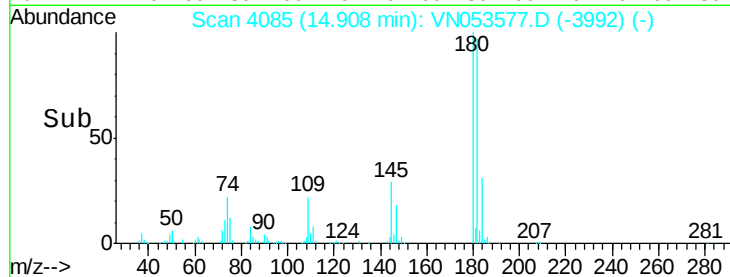
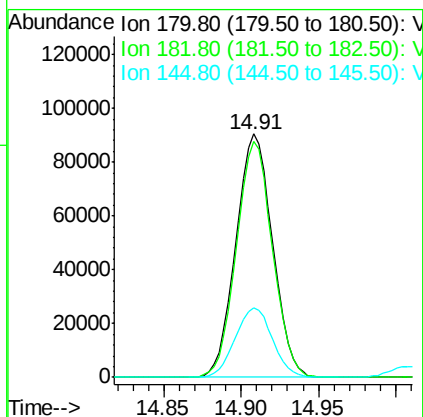
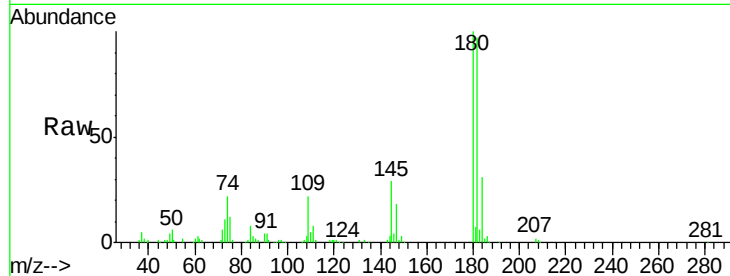




#93
 1,2,4-Trichlorobenzene
 Concen: 19.012 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

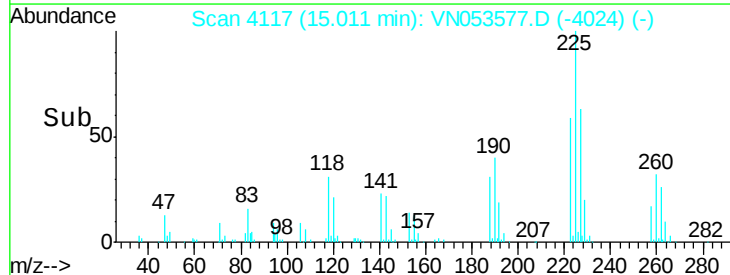
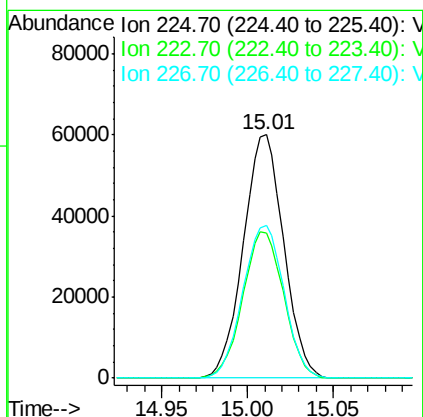
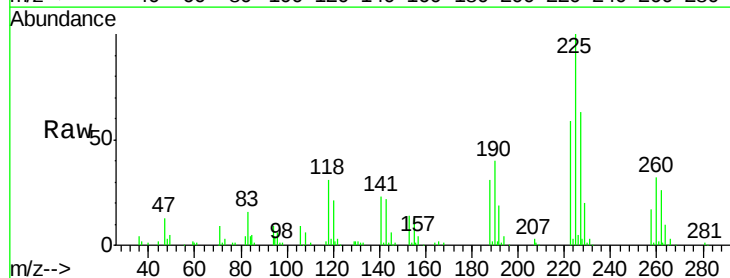
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tot Ion:180 Resp: 148771
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.3
 145 28.9 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 20.098 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion:225 Resp: 97941
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.1 93.2
 227 63.7 32.0 96.2





#95

Naphthalene

Concen: 18.881 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

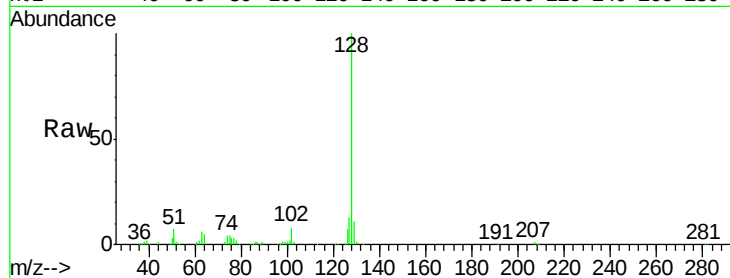
Tot Ion:128 Resp: 326476

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

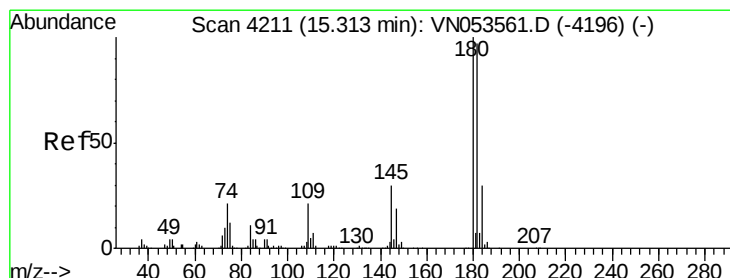
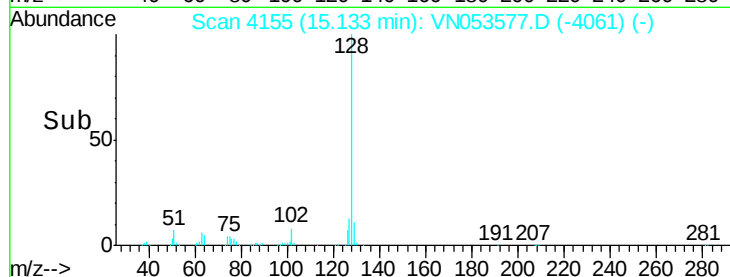
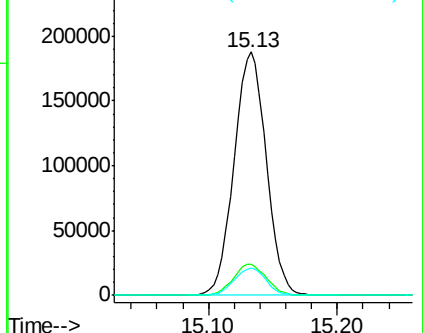
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.795 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

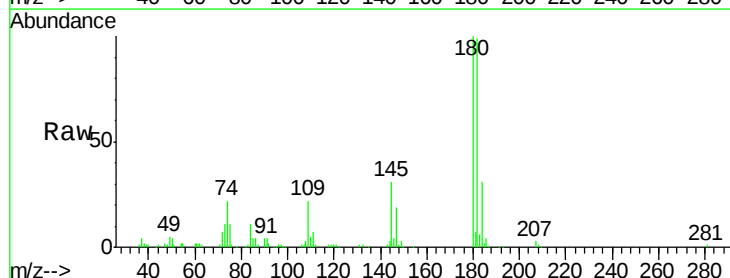
Tgt Ion:180 Resp: 143722

Ion Ratio Lower Upper

180 100

182 97.1 47.9 143.8

145 29.7 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

