

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020819\
 Data File : VN053689.D
 Acq On : 8 Feb 2019 18:38
 Operator : JC/SP
 Sample : VN0208MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208MBSD01

Quant Time: Feb 09 02:38:44 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	725692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1155267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	991088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	458482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	366188	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	357499	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	10.09	98	1301185	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	12.40	95	431091	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148202	18.330	ug/l	99
3) Chloromethane	2.06	50	166983	19.382	ug/l	100
4) Vinyl Chloride	2.19	62	165233	19.757	ug/l	99
5) Bromomethane	2.57	94	117261	21.444	ug/l	98
6) Chloroethane	2.71	64	107040	22.397	ug/l	96
7) Trichlorofluoromethane	3.02	101	241418	21.287	ug/l	99
8) Diethyl Ether	3.41	74	83800	20.232	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136414	19.449	ug/l	98
10) Methyl Iodide	3.96	142	211125	19.177	ug/l	98
11) Tert butyl alcohol	4.79	59	48687	113.001	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	135026	20.093	ug/l	97
13) Acrolein	3.61	56	20693	88.212	ug/l	95
14) Allyl chloride	4.33	41	211038	19.724	ug/l	99
15) Acrylonitrile	4.99	53	252674	108.632	ug/l	99
16) Acetone	3.82	43	167743	89.829	ug/l	95
17) Carbon Disulfide	4.06	76	367678	17.571	ug/l	98
18) Methyl Acetate	4.33	43	125030	22.608	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	370762	21.764	ug/l	99
20) Methylene Chloride	4.55	84	163128	20.822	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	141940	19.578	ug/l	95
22) Diisopropyl ether	5.95	45	414756	20.920	ug/l	93
23) Vinyl Acetate	5.90	43	1417038	103.318	ug/l	98
24) 1,1-Dichloroethane	5.85	63	270495	20.455	ug/l	100
25) 2-Butanone	6.84	43	262967	98.738	ug/l	97
26) 2,2-Dichloropropane	6.83	77	179174	17.750	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	163656	20.300	ug/l	98
28) Bromochloromethane	7.20	49	118078	20.576	ug/l	98
29) Tetrahydrofuran	7.21	42	184460	107.861	ug/l	97
30) Chloroform	7.37	83	262780	20.046	ug/l	99
31) Cyclohexane	7.65	56	233788	18.883	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	219430	20.114	ug/l	99
36) 1,1-Dichloropropene	7.79	75	191696	18.407	ug/l	98
37) Ethyl Acetate	6.93	43	121290	20.854	ug/l	99
38) Carbon Tetrachloride	7.77	117	188863	18.002	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215652	17.454	ug/l	98
40) Benzene	8.04	78	612619	19.076	ug/l	98
41) Methacrylonitrile	7.18	41	66575	20.480	ug/l	93
42) 1,2-Dichloroethane	8.13	62	181927	19.079	ug/l	99
43) Isopropyl Acetate	8.17	43	226459	20.161	ug/l	97
44) Trichloroethene	8.84	130	168187	18.396	ug/l	97
45) 1,2-Dichloropropane	9.12	63	161360	19.645	ug/l	99
46) Dibromomethane	9.21	93	94302	19.045	ug/l	98
47) Bromodichloromethane	9.40	83	195880	19.026	ug/l	100
48) Methyl methacrylate	9.20	41	106598	19.881	ug/l	98
49) 1,4-Dioxane	9.20	88	31571	429.574	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	573476	103.897	ug/l	99
52) Toluene	10.16	92	369080	19.365	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193008	18.722	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	228343	18.692	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	140830	20.505	ug/l	96
56) Ethyl methacrylate	10.43	69	163901	20.173	ug/l	97
57) 1,3-Dichloropropane	10.71	76	229801	19.578	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	401759	85.188	ug/l	98
59) 2-Hexanone	10.75	43	355621	94.905	ug/l	99
60) Dibromochloromethane	10.90	129	149886	19.353	ug/l	99
61) 1,2-Dibromoethane	11.01	107	130692	19.226	ug/l	100
64) Tetrachloroethene	10.63	164	156600	18.433	ug/l	99
65) Chlorobenzene	11.44	112	401277	19.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	143972	19.582	ug/l	99
67) Ethyl Benzene	11.51	91	661054	19.116	ug/l	100
68) m/p-Xylenes	11.62	106	516157	39.107	ug/l	100
69) o-Xylene	11.95	106	253626	19.891	ug/l	99
70) Styrene	11.96	104	413255	19.996	ug/l	99
71) Bromoform	12.13	173	99832	19.806	ug/l #	97
73) Isopropylbenzene	12.25	105	662978	20.570	ug/l	99
74) N-amyl acetate	12.07	43	165474	21.350	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	158877	20.597	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	189663	32.207	ug/l #	100
77) Bromobenzene	12.53	156	173181	19.937	ug/l	99
78) n-propylbenzene	12.59	91	751072	20.158	ug/l	100
79) 2-Chlorotoluene	12.68	91	449517	20.335	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	565500	21.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40099	19.147	ug/l	99
82) 4-Chlorotoluene	12.77	91	450075	19.842	ug/l	100
83) tert-Butylbenzene	12.99	119	509534	21.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	567993	20.859	ug/l	100
85) sec-Butylbenzene	13.17	105	676315	21.040	ug/l	100
86) p-Isopropyltoluene	13.29	119	582501	20.720	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	301350	19.299	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	301298	19.506	ug/l	99
89) n-Butylbenzene	13.62	91	469096	19.277	ug/l	99
90) Hexachloroethane	13.88	117	94214	20.317	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	301090	20.141	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23064	20.980	ug/l	98

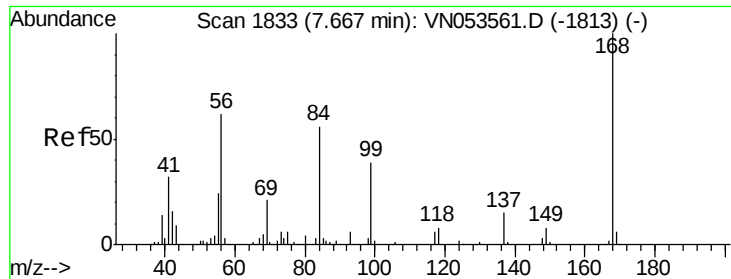
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	160463	18.716	ug/l	99
94) Hexachlorobutadiene	15.01	225	105954	19.844	ug/l	99
95) Naphthalene	15.13	128	346045	18.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	156444	19.665	ug/l	98

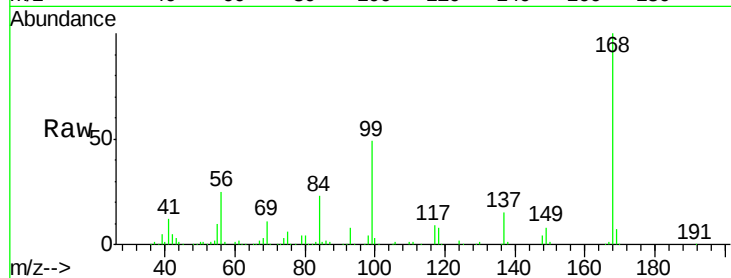
(#) = qualifier out of range (m) = manual integration (+) = signals summed



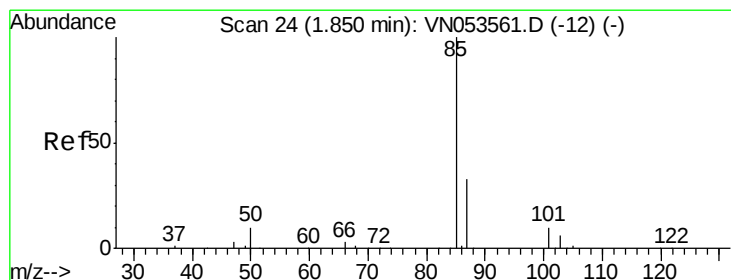
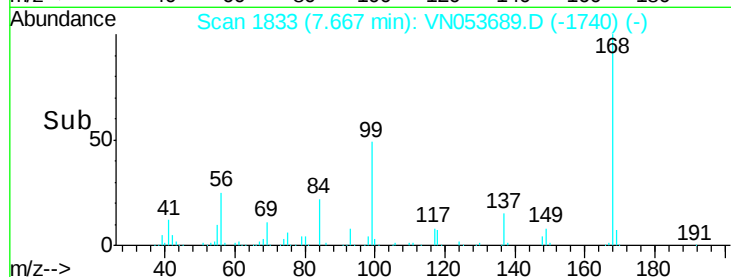
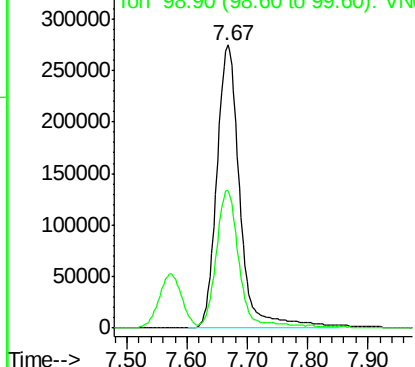
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

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ClientSampleId :
VN0208MBSD01

Tot Ion:168 Resp: 725692
Ion Ratio Lower Upper
168 100
99 48.0 39.1 58.7

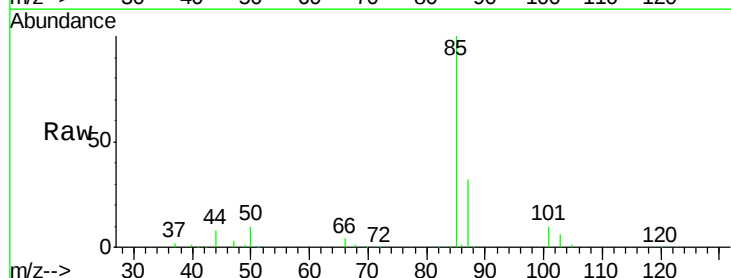


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO

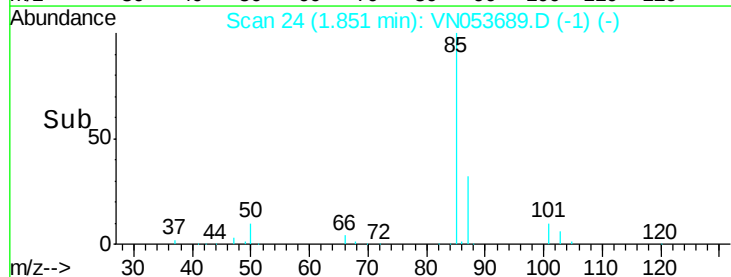
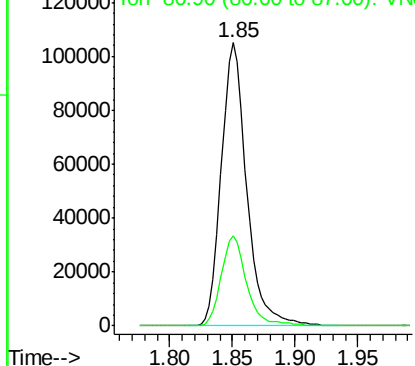


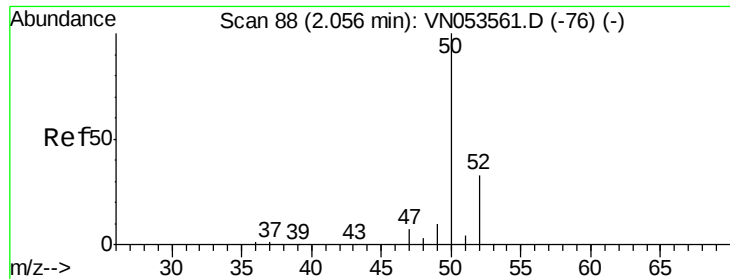
#2
Dichlorodifluoromethane
Concen: 18.330 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 85 Resp: 148202
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: 19.382 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

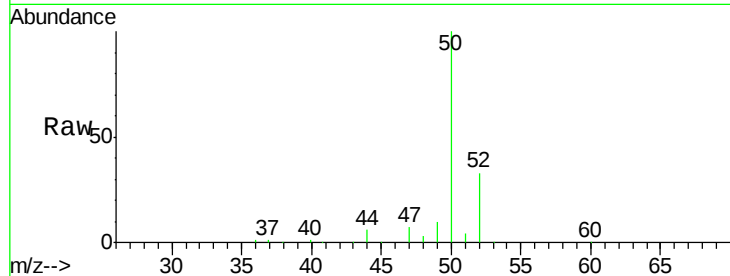
VN0208MBSD01

Tot Ion: 50 Resp: 166983

Ion Ratio Lower Upper

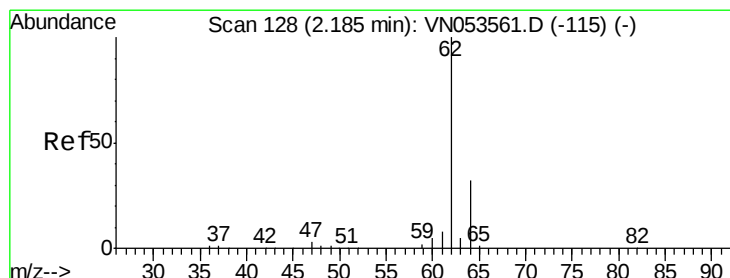
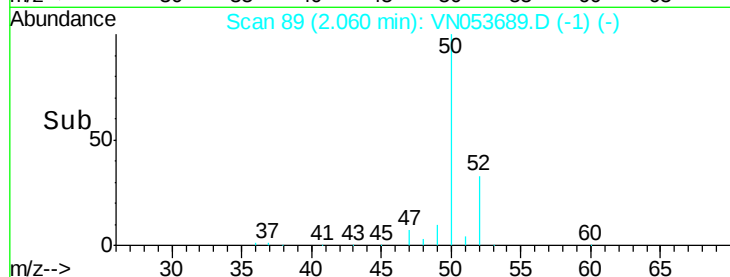
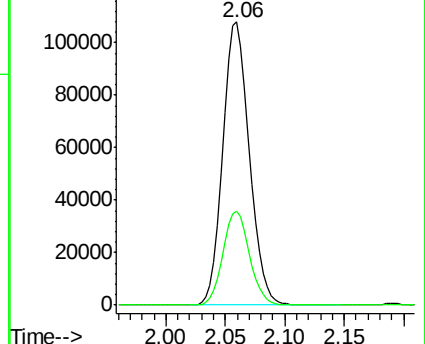
50 100

52 33.4 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: 19.757 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053689.D

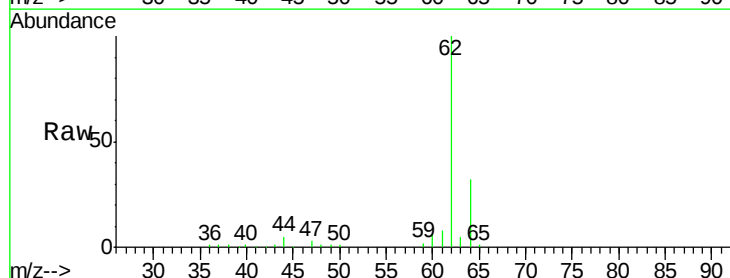
Acq: 8 Feb 2019 18:38

Tgt Ion: 62 Resp: 165233

Ion Ratio Lower Upper

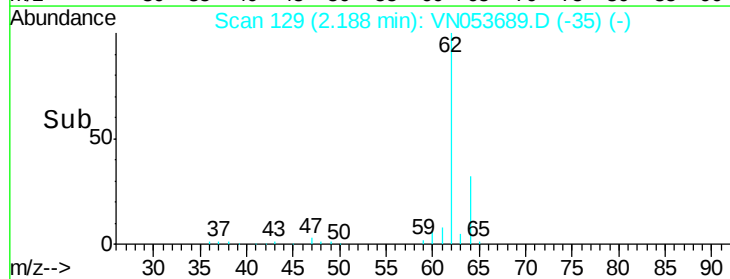
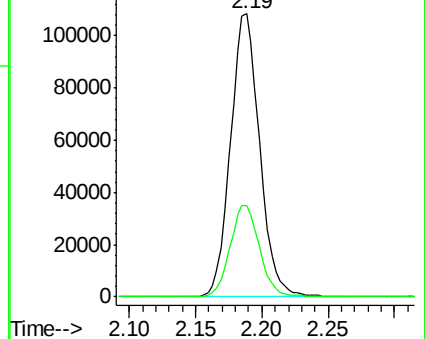
62 100

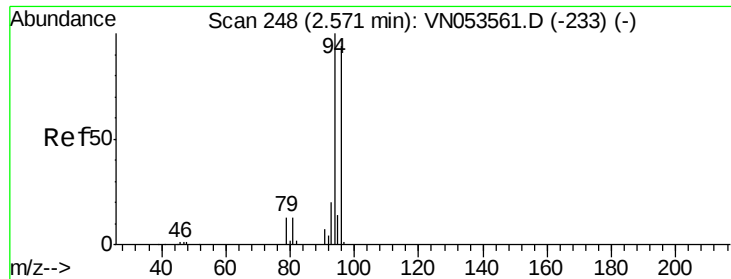
64 32.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

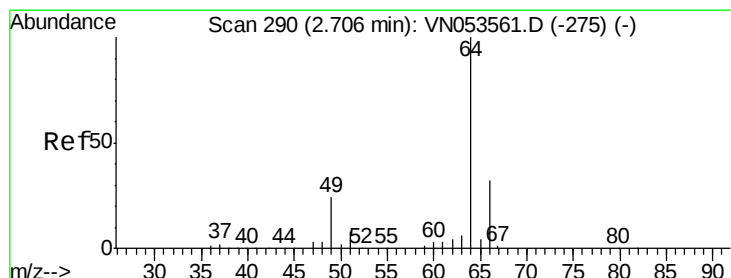
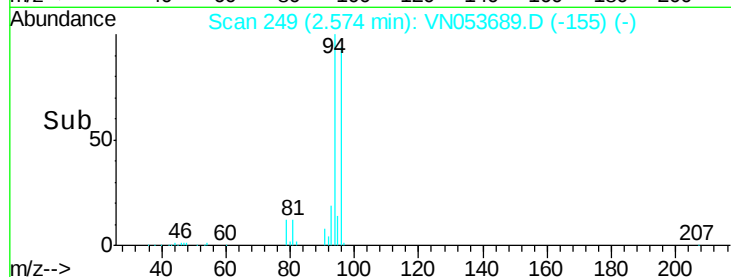
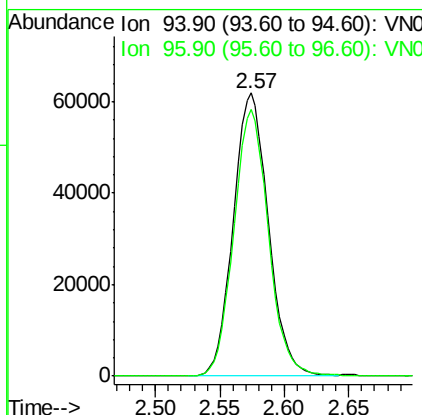
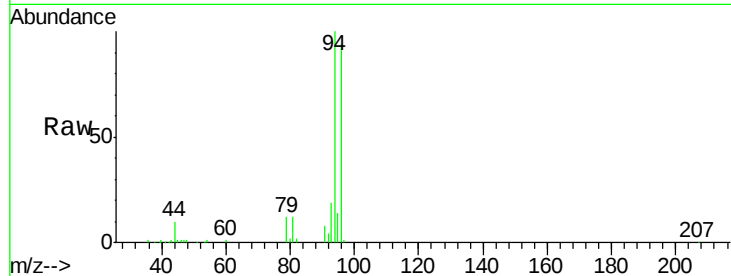




#5
Bromomethane
Concen: 21.444 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

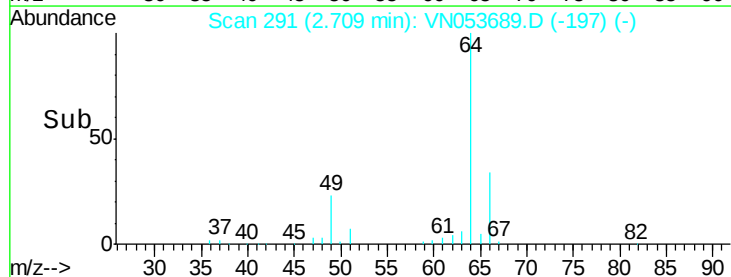
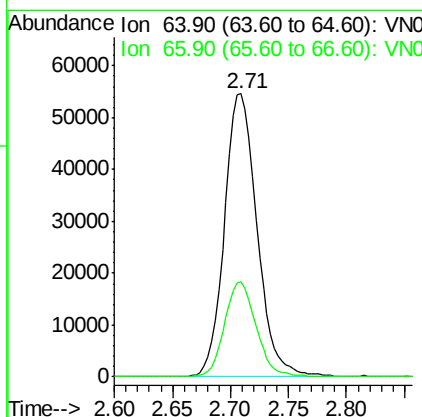
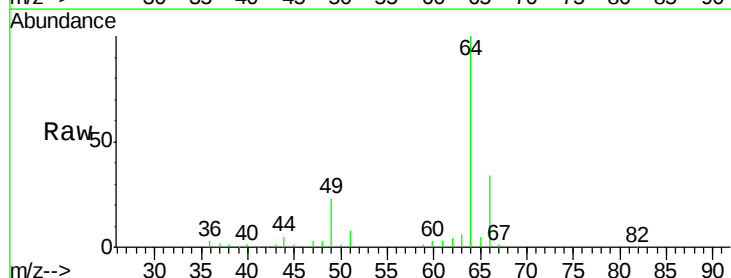
Instrument :
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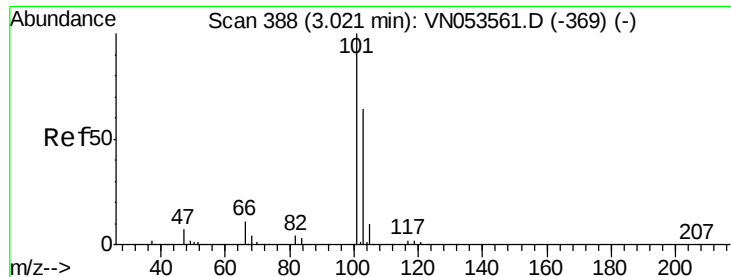
Tot Ion: 94 Resp: 117261
Ion Ratio Lower Upper
94 100
96 94.1 76.8 115.2



#6
Chloroethane
Concen: 22.397 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 64 Resp: 107040
Ion Ratio Lower Upper
64 100
66 33.6 25.1 37.7



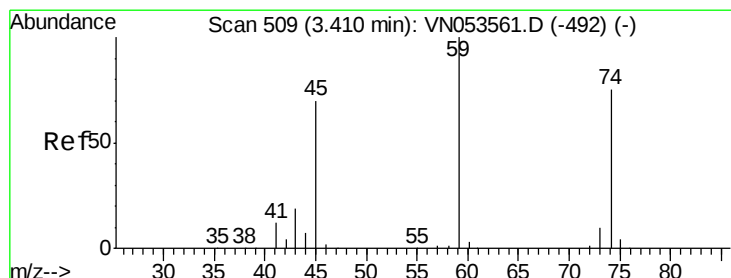
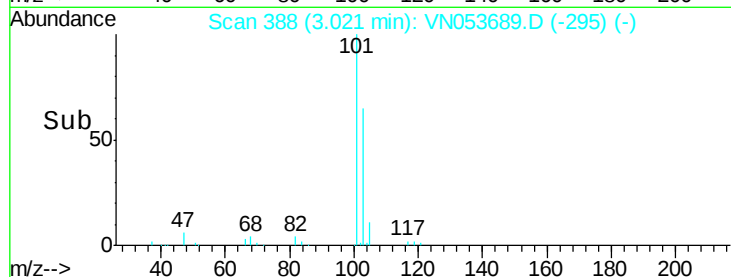
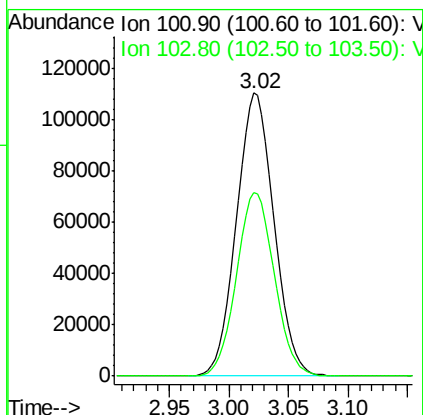
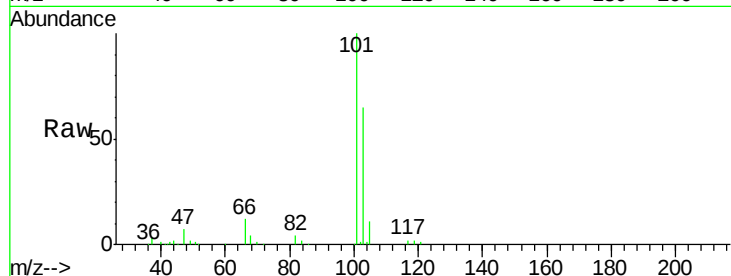


#7

Trichlorofluoromethane
 Concen: 21.287 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

Instrument :
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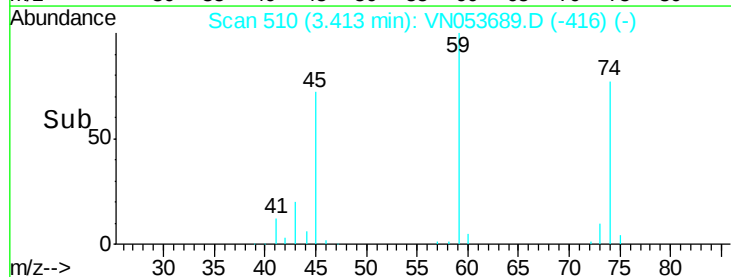
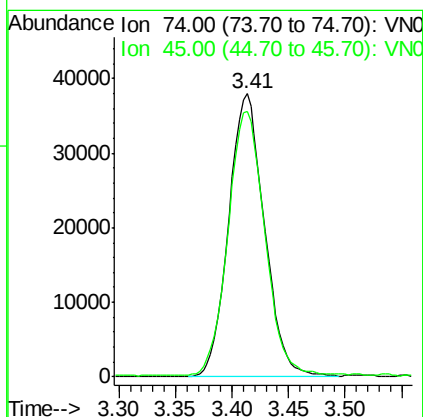
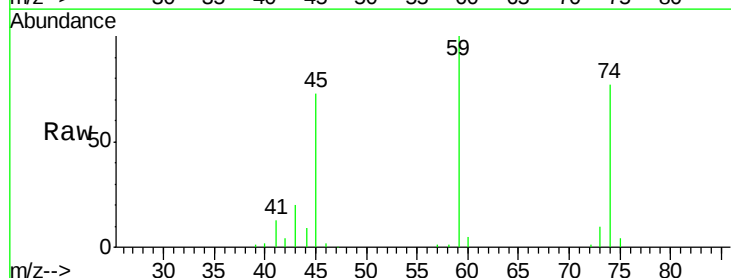
Tot Ion:101 Resp: 241418
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4

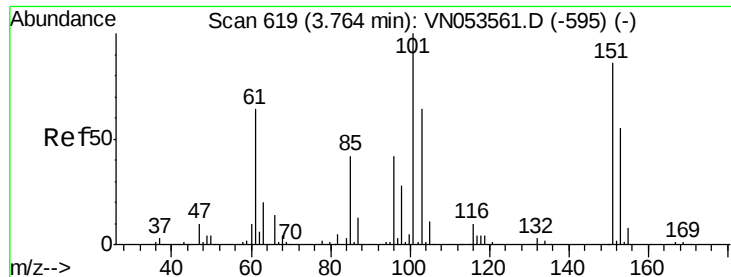


#8

Diethyl Ether
 Concen: 20.232 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

Tgt Ion: 74 Resp: 83800
 Ion Ratio Lower Upper
 74 100
 45 95.7 47.9 143.7

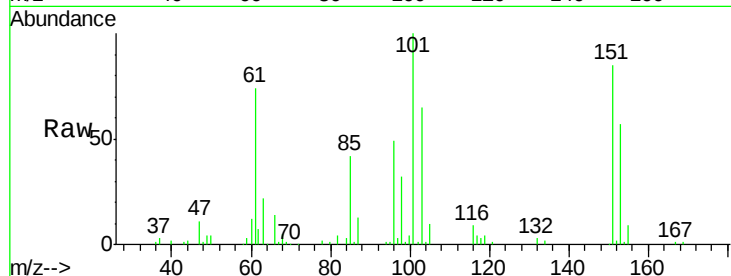




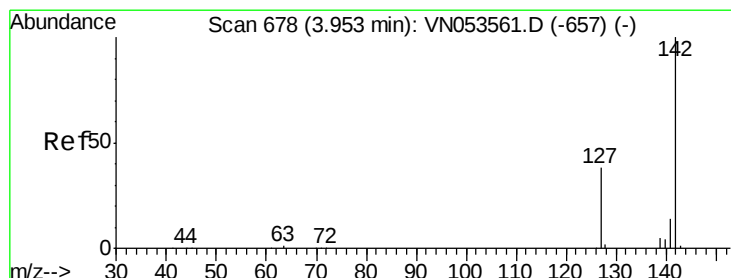
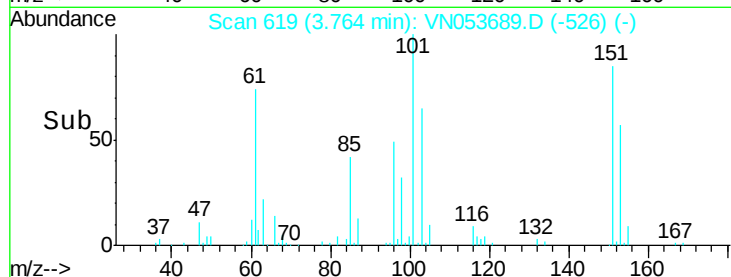
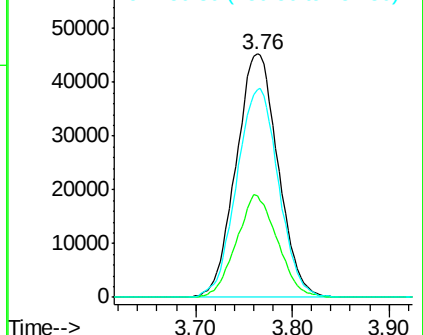
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.449 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208MBSD01

Tot Ion:101 Resp: 136414
 Ion Ratio Lower Upper
 101 100
 85 41.1 32.8 49.2
 151 85.6 66.9 100.3

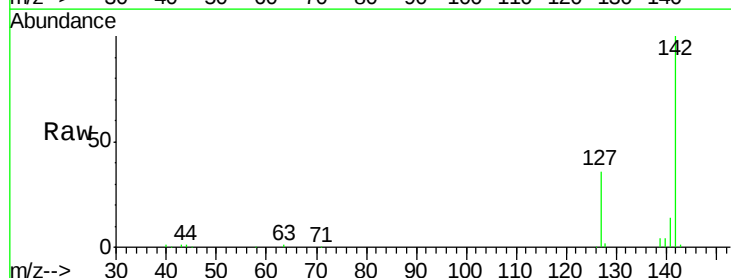


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

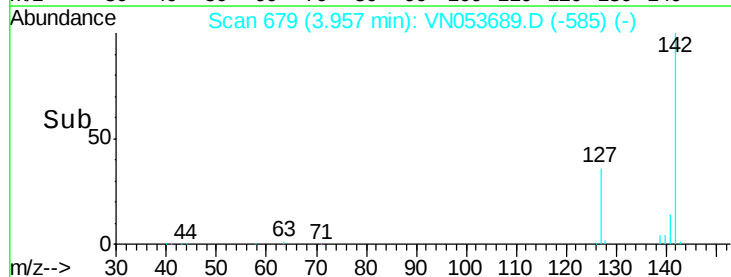
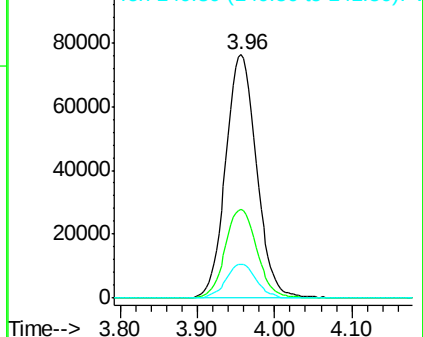


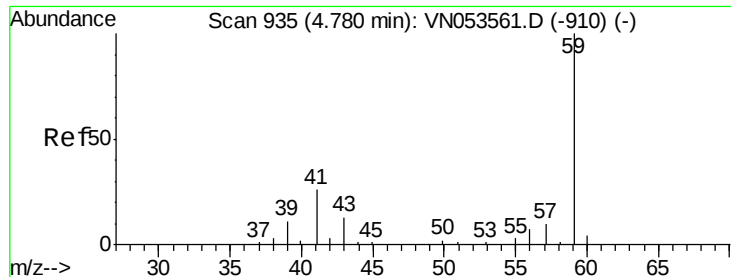
#10
 Methyl Iodide
 Concen: 19.177 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

Tgt Ion:142 Resp: 211125
 Ion Ratio Lower Upper
 142 100
 127 37.5 31.0 46.4
 141 13.7 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

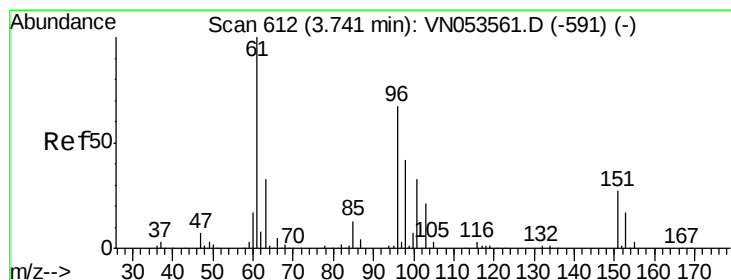
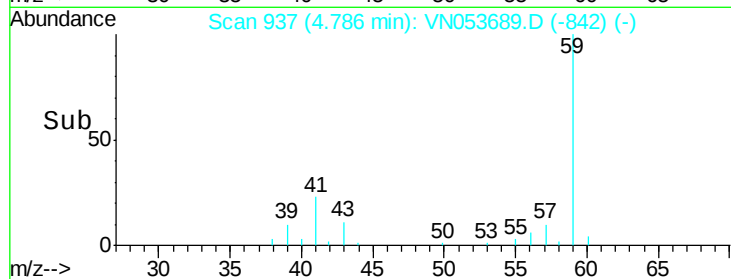
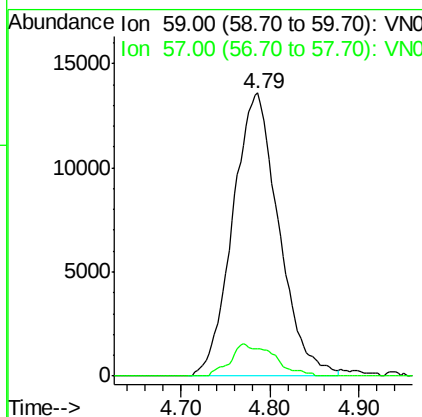
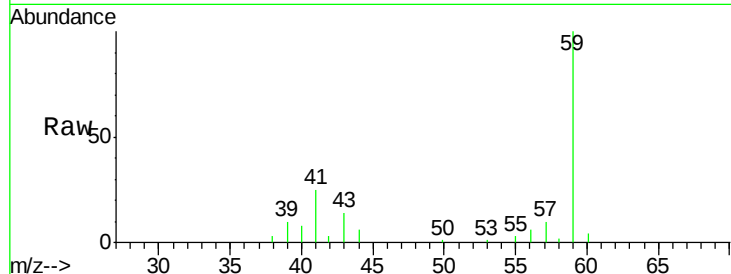




#11
Tert butyl alcohol
Concen: 113.001 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

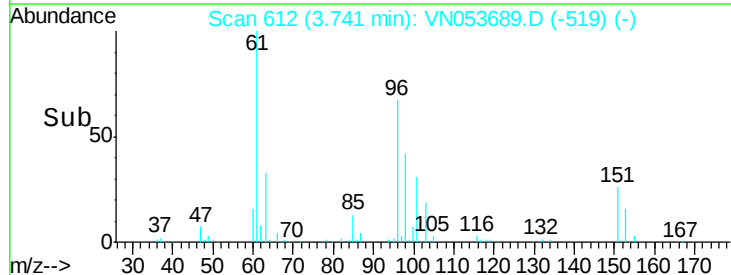
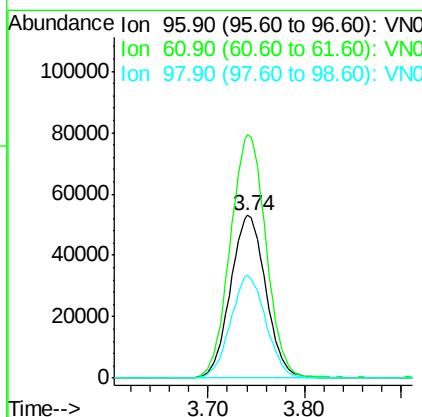
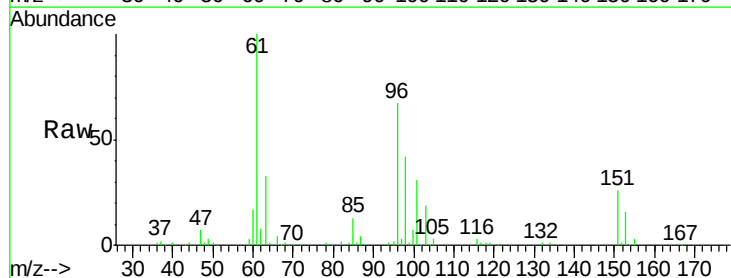
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBS01

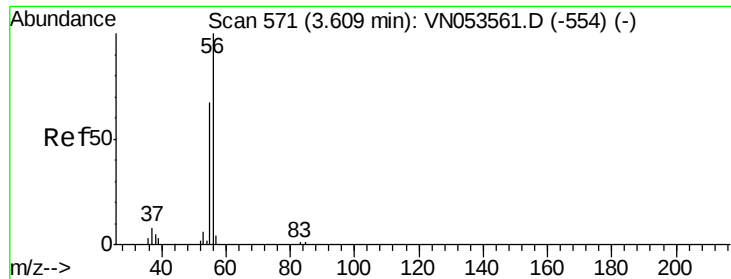
Tot Ion: 59 Resp: 48687
Ion Ratio Lower Upper
59 100
57 5.7 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 20.093 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 96 Resp: 135026
Ion Ratio Lower Upper
96 100
61 149.6 122.9 184.3
98 63.0 49.4 74.0





#13

Acrolein

Concen: 88.212 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

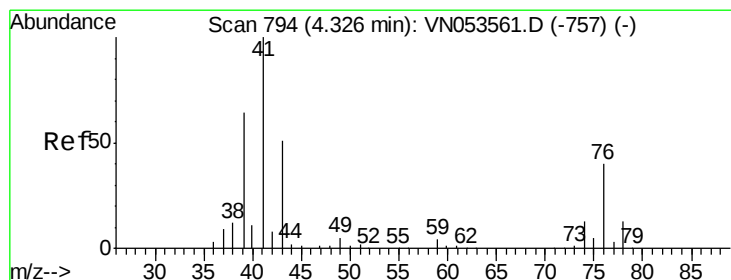
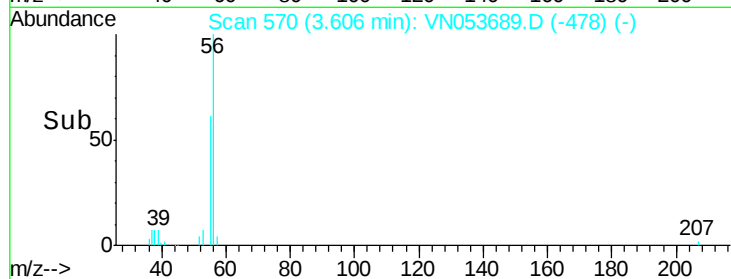
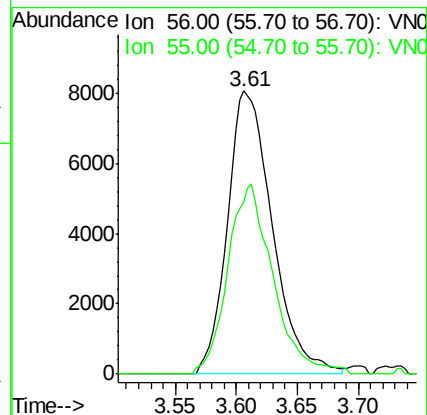
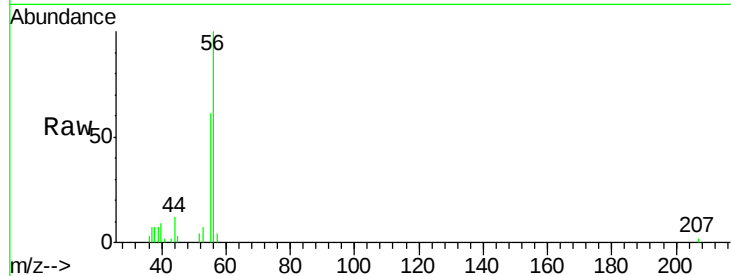
VN0208MBSD01

Tot Ion: 56 Resp: 20693

Ion Ratio Lower Upper

56 100

55 67.3 57.4 86.0



#14

Allyl chloride

Concen: 19.724 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

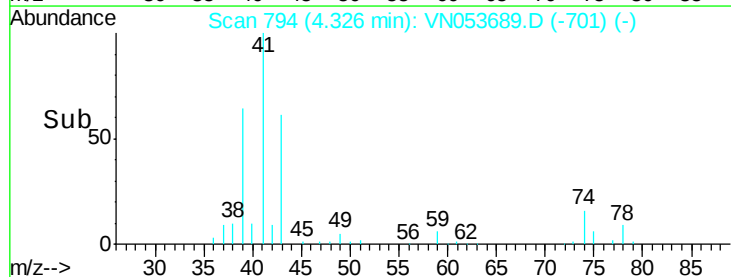
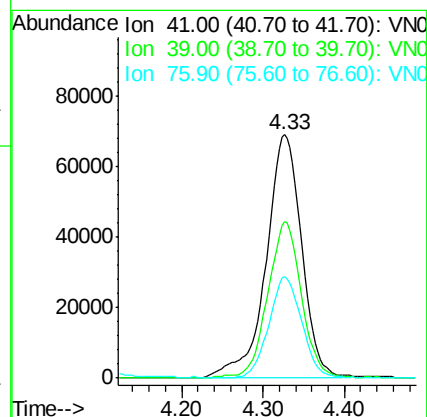
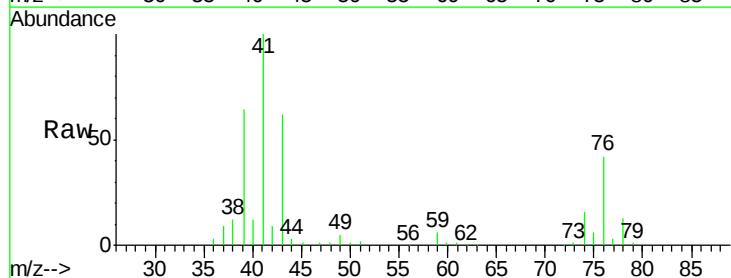
Tgt Ion: 41 Resp: 211038

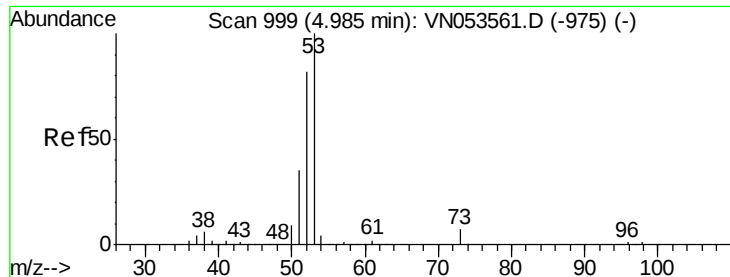
Ion Ratio Lower Upper

41 100

39 61.0 48.9 73.3

76 38.4 29.4 44.2





#15

Acrylonitrile

Concen: 108.632 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

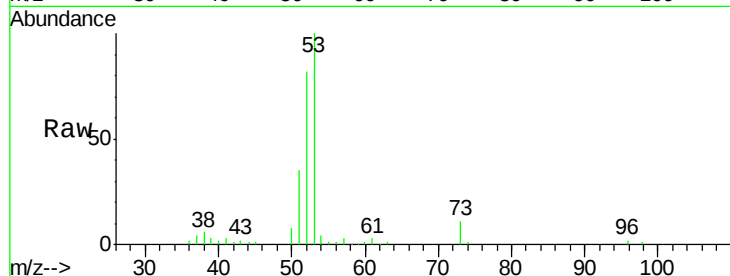
Tot Ion: 53 Resp: 252674

Ion Ratio Lower Upper

53 100

52 81.7 66.0 99.0

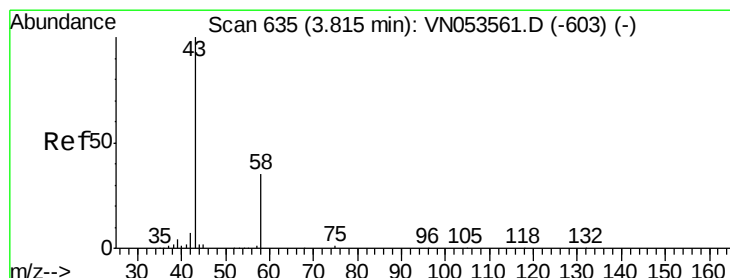
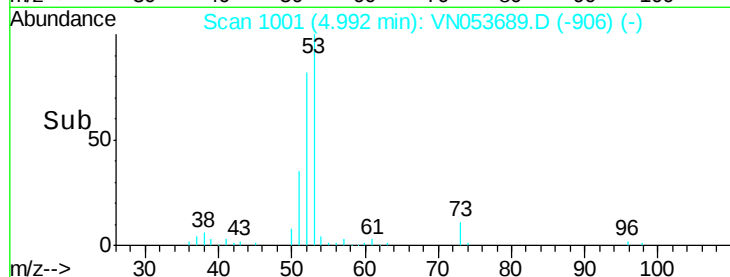
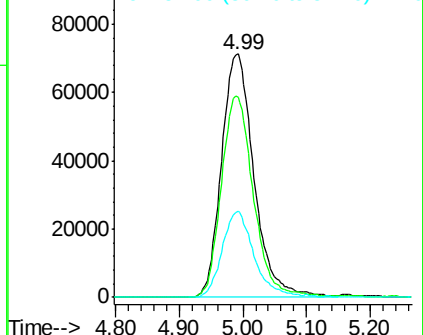
51 34.5 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 89.829 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053689.D

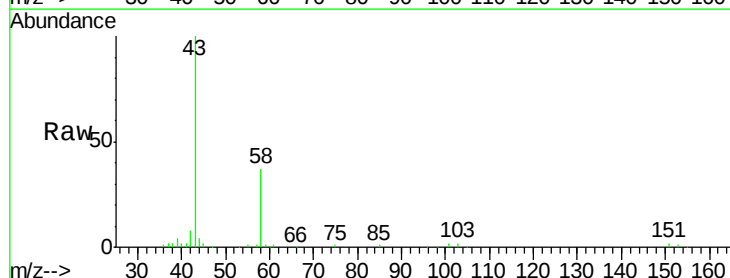
Acq: 8 Feb 2019 18:38

Tgt Ion: 43 Resp: 167743

Ion Ratio Lower Upper

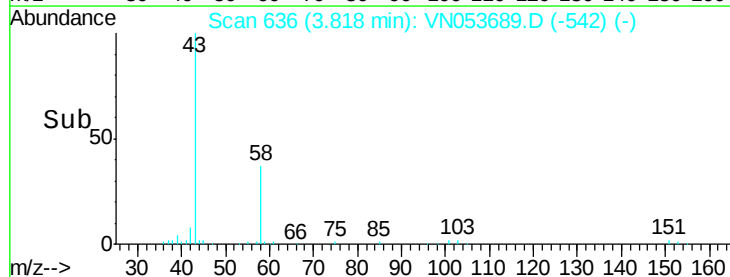
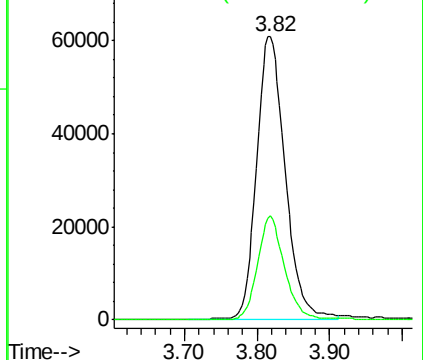
43 100

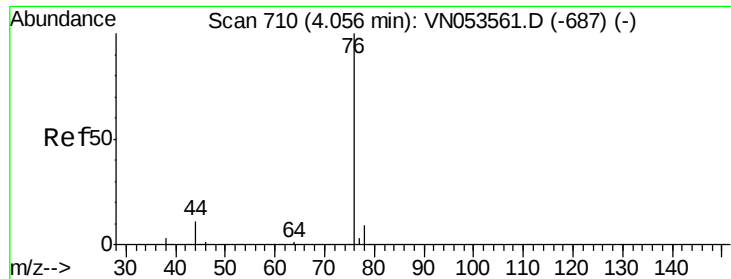
58 36.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

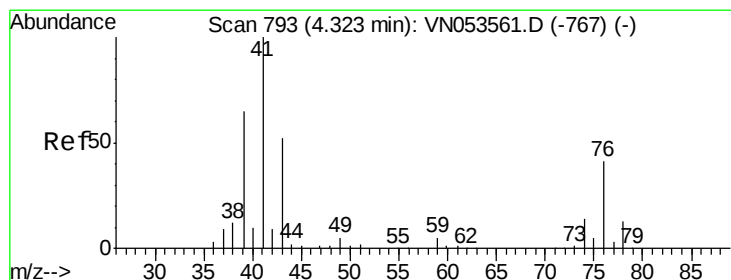
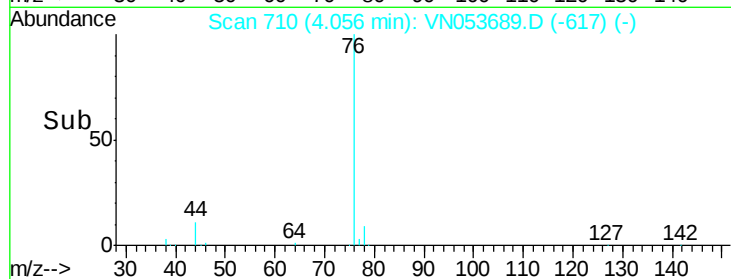
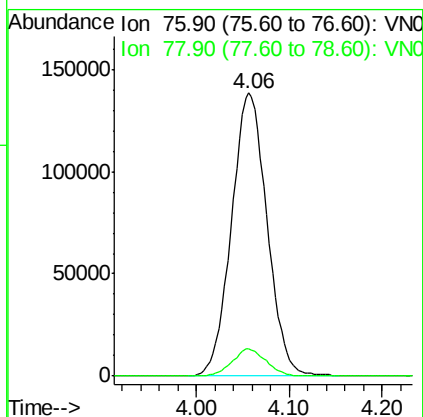
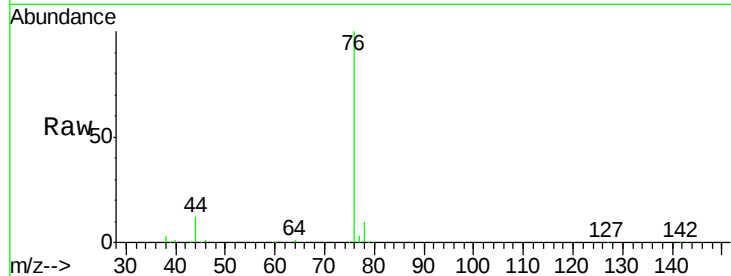




#17
Carbon Disulfide
Concen: 17.571 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

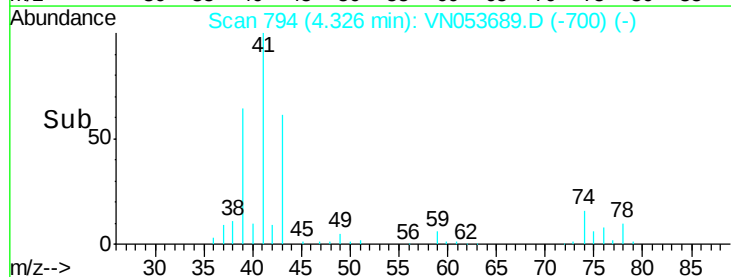
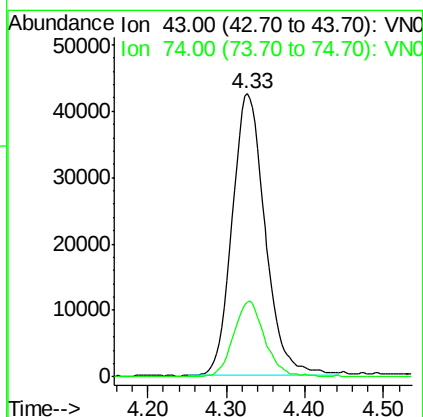
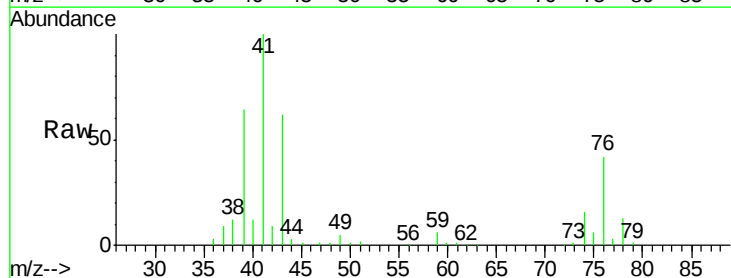
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

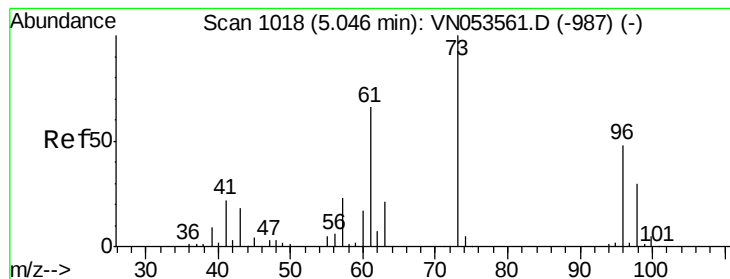
Tot Ion: 76 Resp: 367678
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 22.608 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 43 Resp: 125030
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 21.764 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleID :

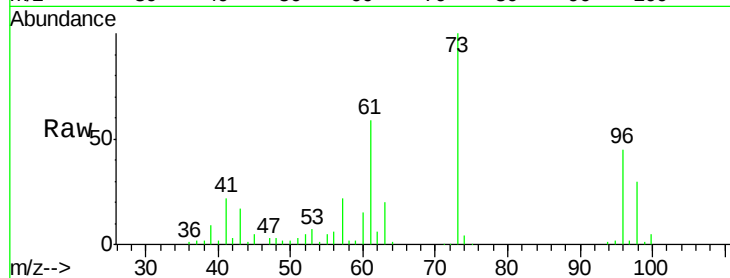
VN0208MBSD01

Tot Ion: 73 Resp: 370762

Ion Ratio Lower Upper

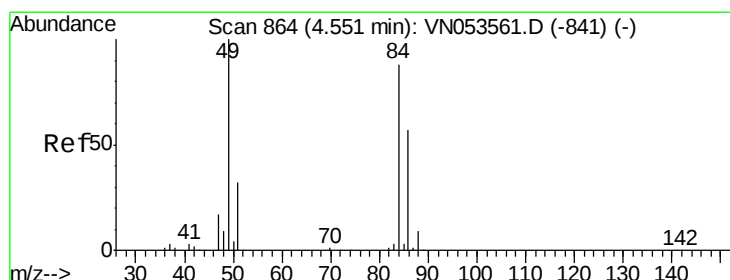
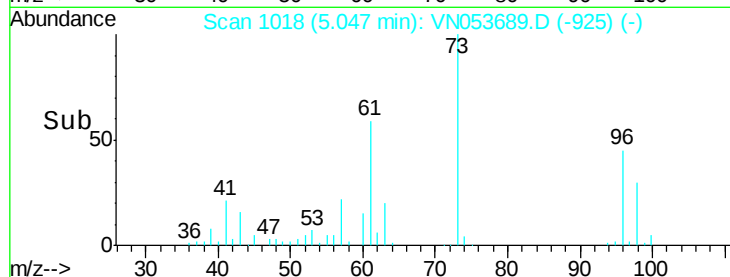
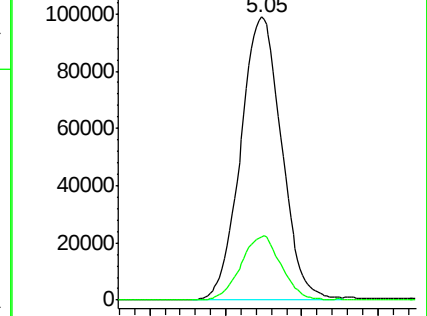
73 100

57 22.5 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 20.822 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Tgt Ion: 84 Resp: 163128

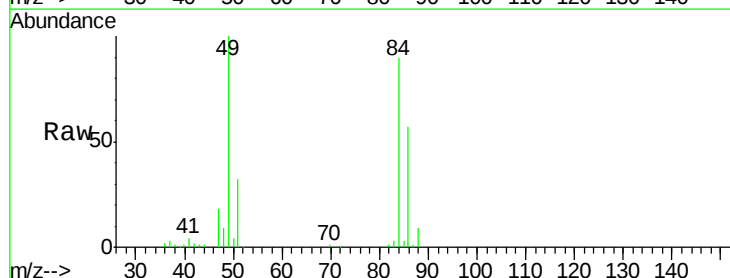
Ion Ratio Lower Upper

84 100

49 110.7 94.3 141.5

51 35.9 29.4 44.2

86 63.4 51.4 77.0

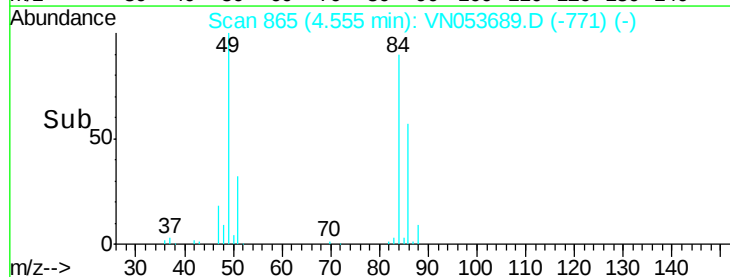
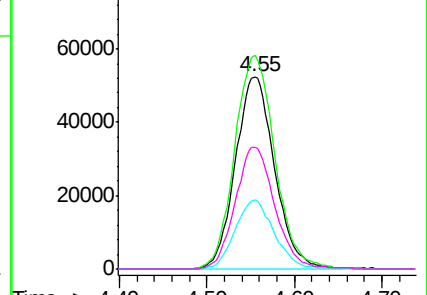


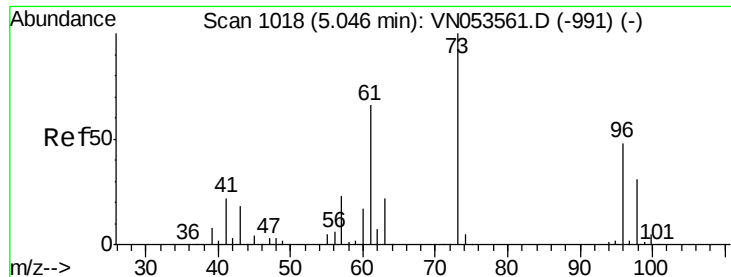
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

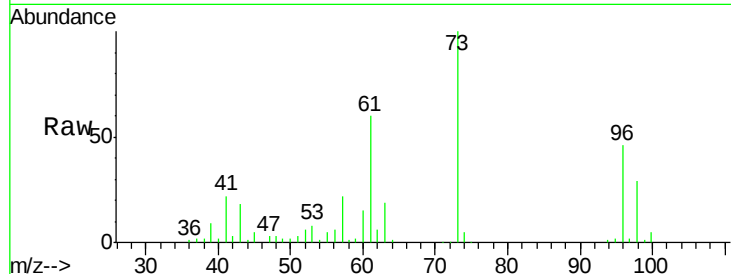




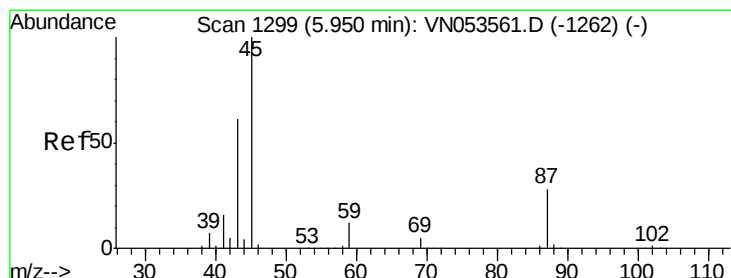
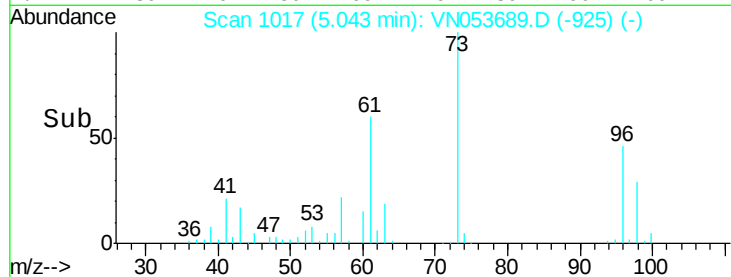
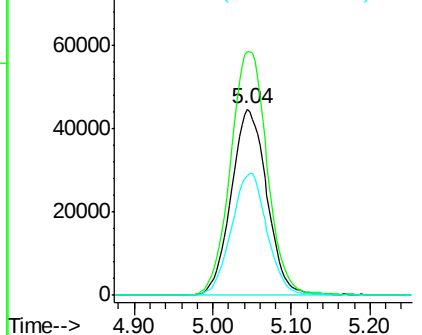
#21
trans-1,2-Dichloroethene
Concen: 19.578 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

Tot Ion: 96 Resp: 141940
Ion Ratio Lower Upper
96 100
61 130.3 110.1 165.1
98 64.4 50.0 75.0

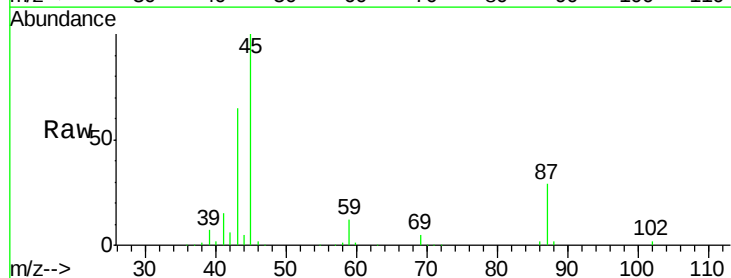


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

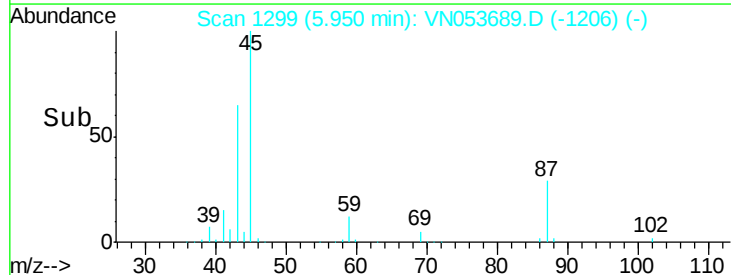
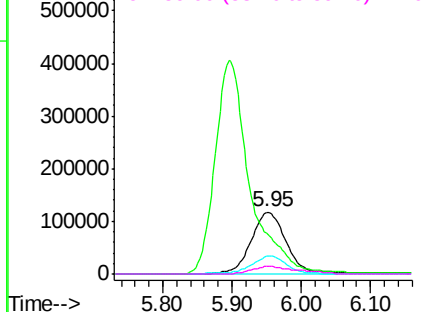


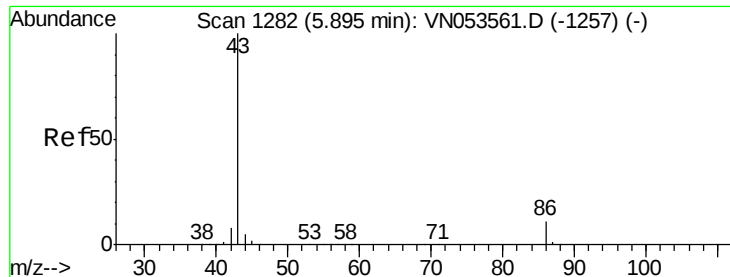
#22
Diisopropyl ether
Concen: 20.920 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 45 Resp: 414756
Ion Ratio Lower Upper
45 100
43 63.3 44.2 66.4
87 28.0 22.7 34.1
59 12.0 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: 103.318 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

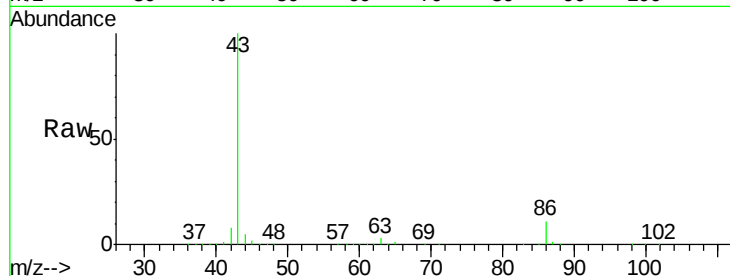
VN0208MBSD01

Tot Ion: 43 Resp: 1417038

Ion Ratio Lower Upper

43 100

86 11.1 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

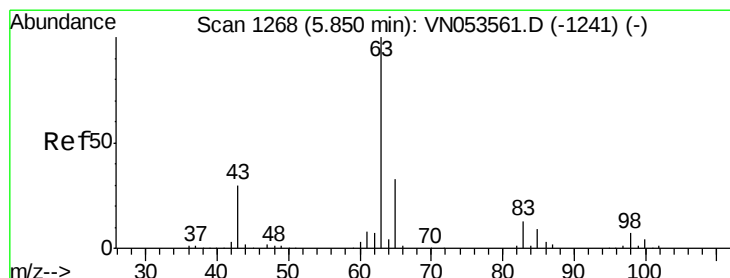
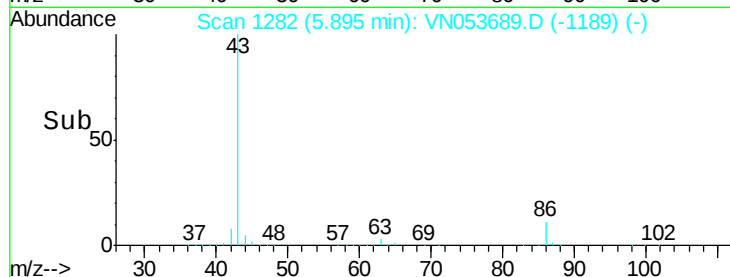
200000

100000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 20.455 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

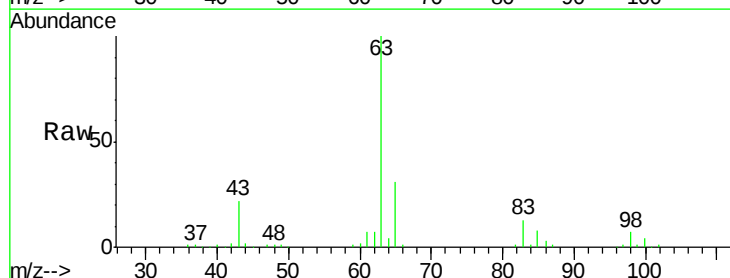
Tgt Ion: 63 Resp: 270495

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

100000

80000

60000

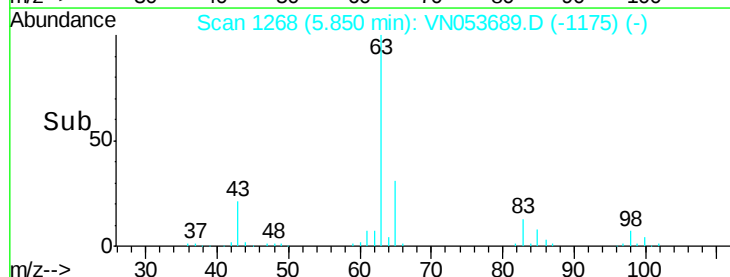
40000

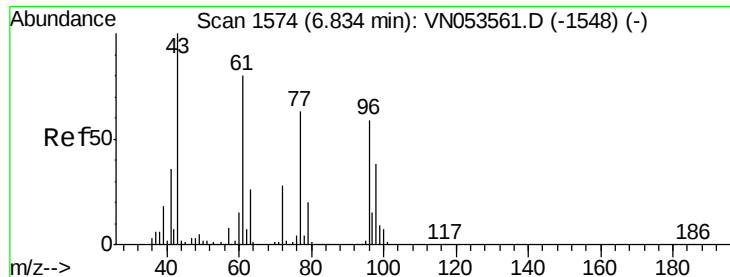
20000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 98.738 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

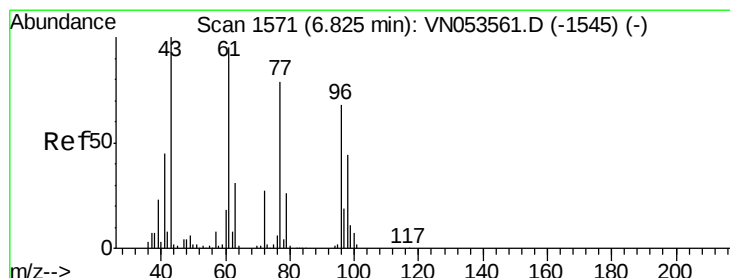
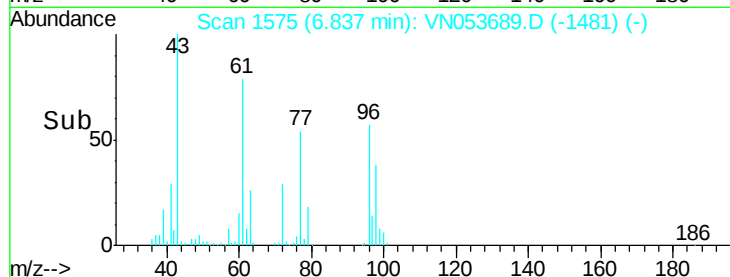
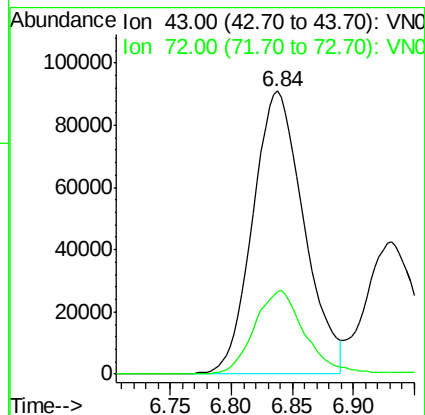
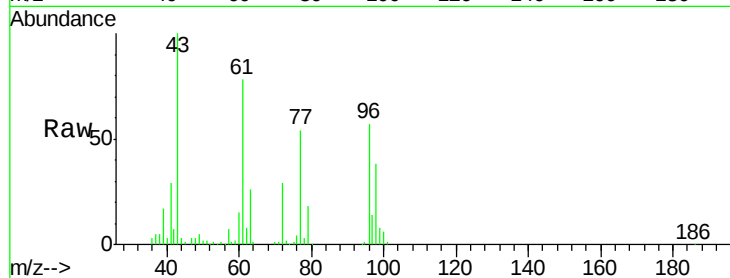
VN0208MBSD01

Tot Ion: 43 Resp: 262967

Ion Ratio Lower Upper

43 100

72 29.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 17.750 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053689.D

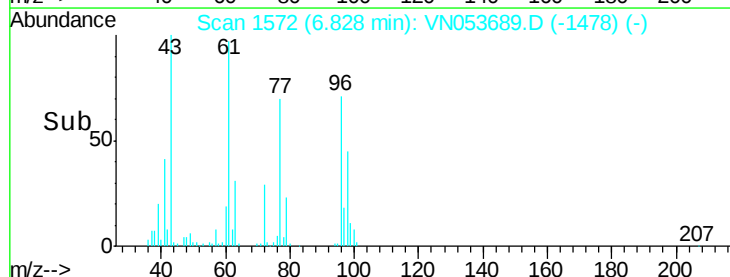
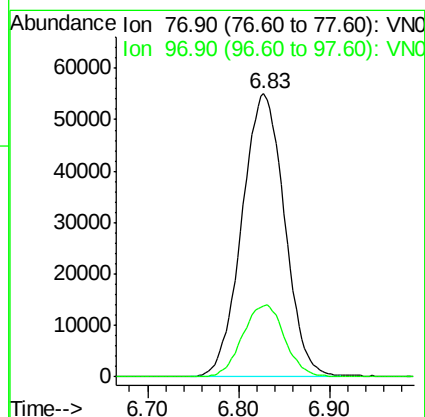
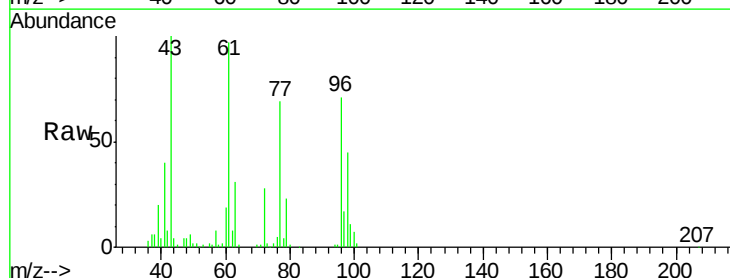
Acq: 8 Feb 2019 18:38

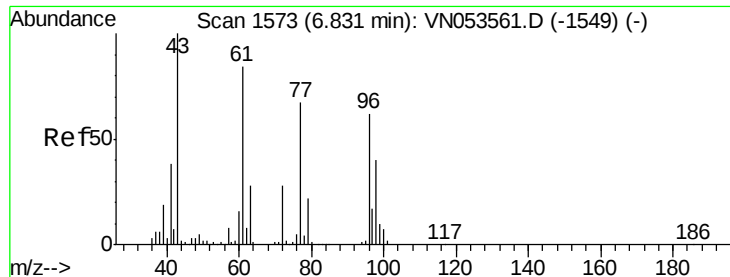
Tgt Ion: 77 Resp: 179174

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.300 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBS01

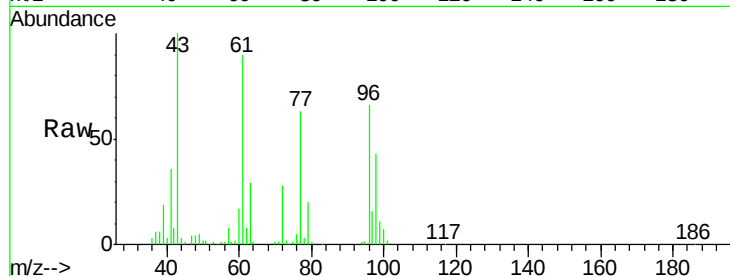
Tot Ion: 96 Resp: 163656

Ion Ratio Lower Upper

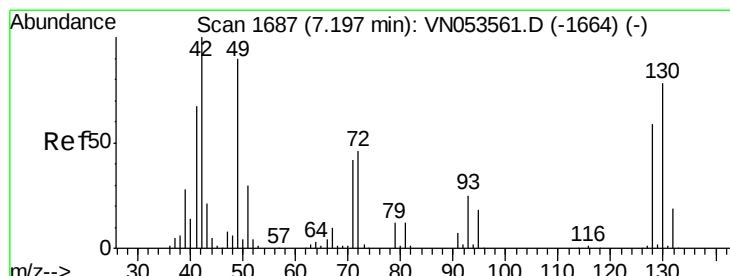
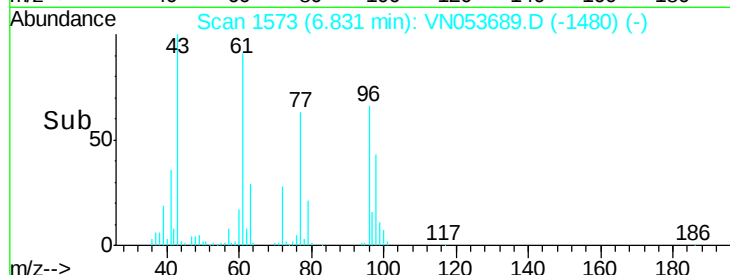
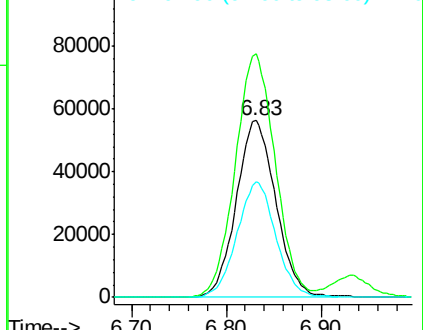
96 100

61 139.2 0.0 283.8

98 64.0 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: 20.576 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

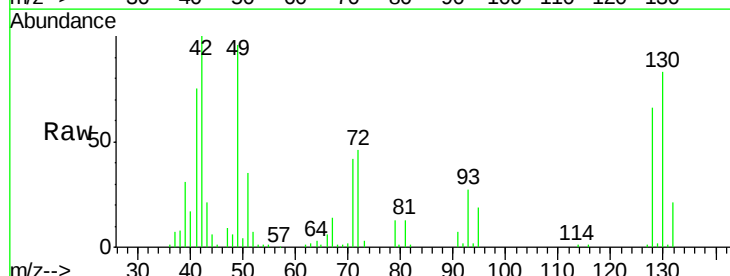
Tgt Ion: 49 Resp: 118078

Ion Ratio Lower Upper

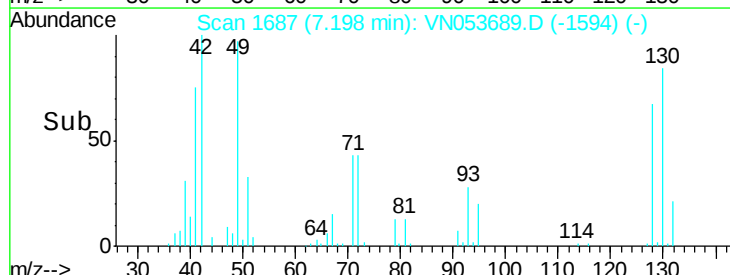
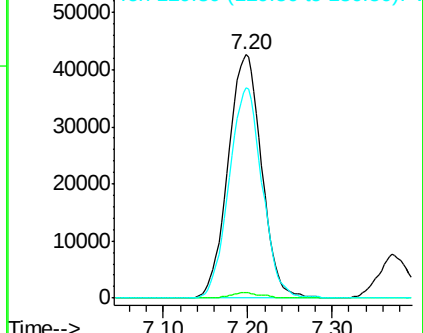
49 100

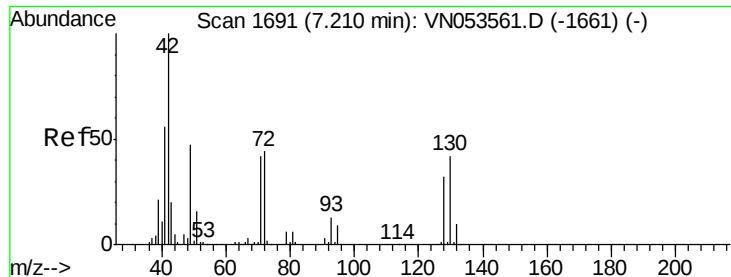
129 2.0 0.0 4.0

130 85.2 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

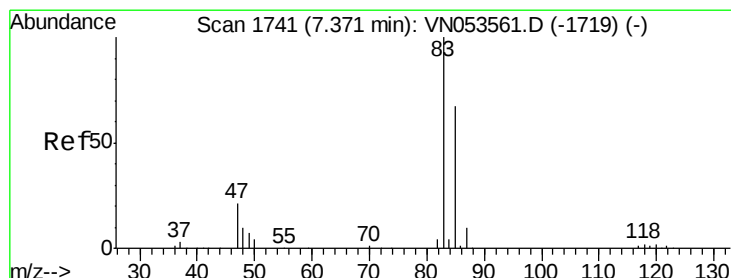
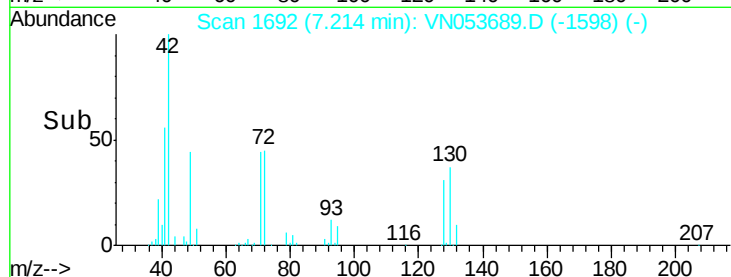
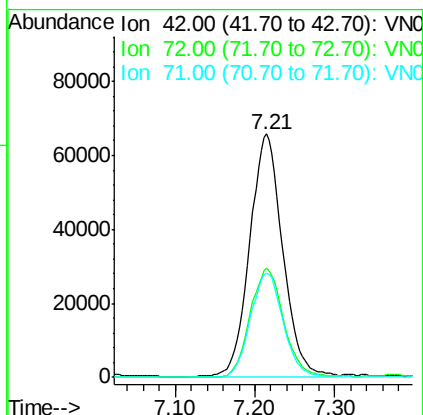
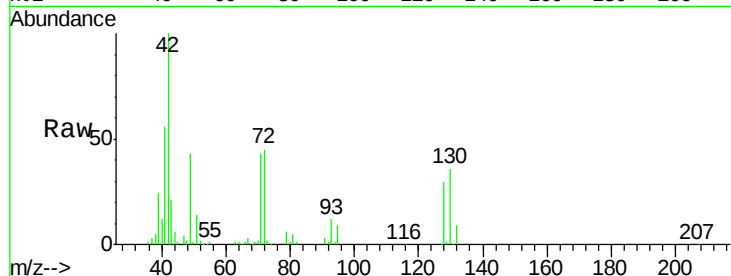




#29
Tetrahydrofuran
Concen: 107.861 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

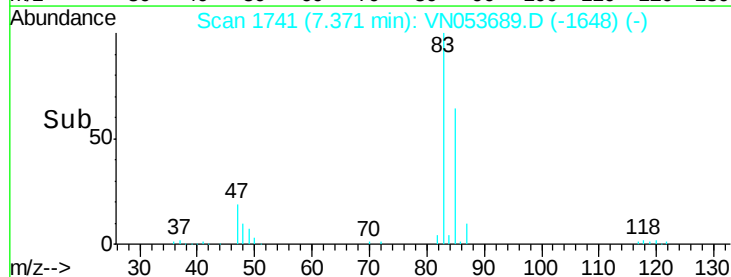
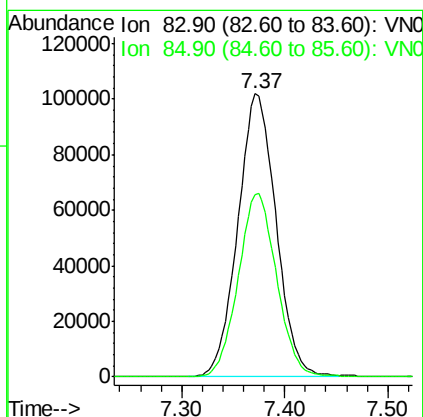
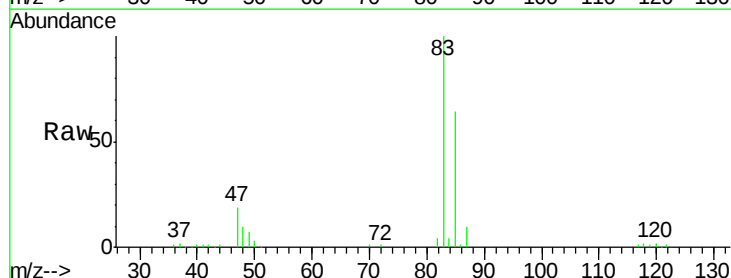
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

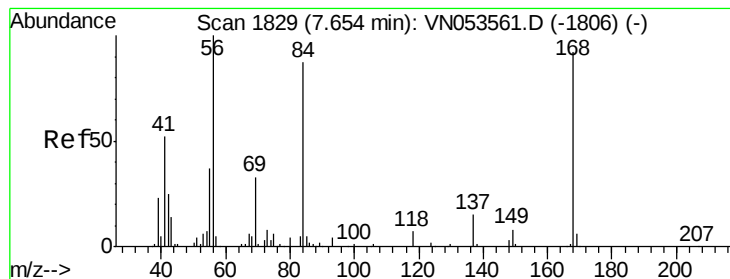
Tot Ion: 42 Resp: 184460
Ion Ratio Lower Upper
42 100
72 45.7 35.2 52.8
71 43.1 33.0 49.4



#30
Chloroform
Concen: 20.046 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 83 Resp: 262780
Ion Ratio Lower Upper
83 100
85 64.5 52.2 78.2





#31

Cvclohexane

Concen: 18.883 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

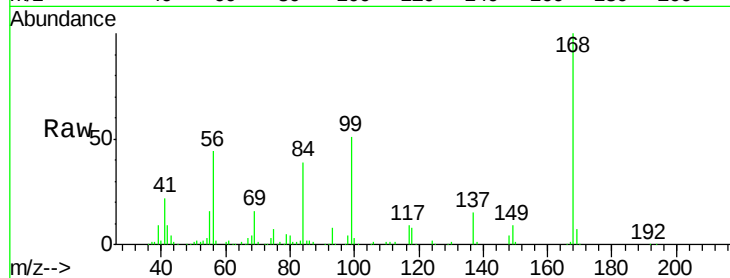
Tot Ion: 56 Resp: 233788

Ion Ratio Lower Upper

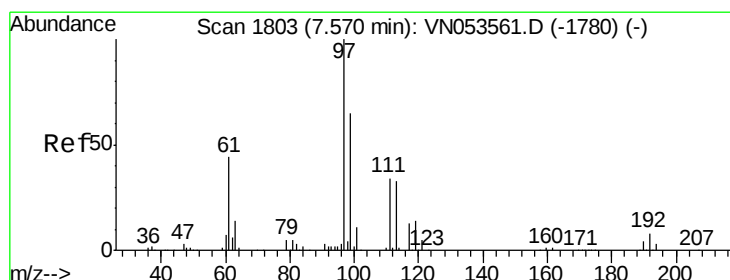
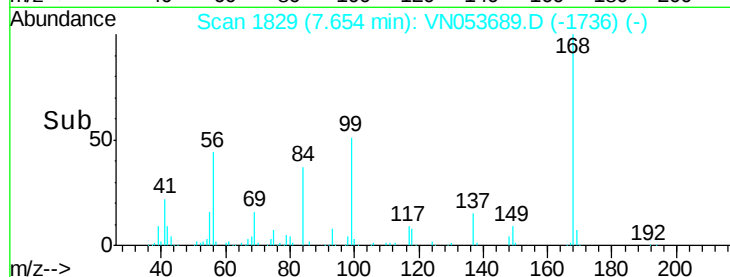
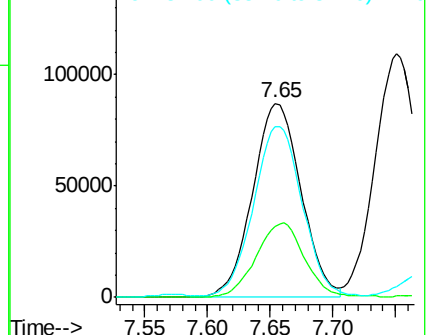
56 100

69 36.6 26.4 39.6

84 87.1 67.9 101.9



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



#32

1,1,1-Trichloroethane

Concen: 20.114 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

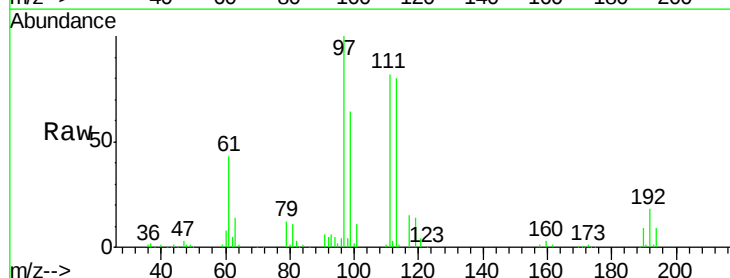
Tgt Ion: 97 Resp: 219430

Ion Ratio Lower Upper

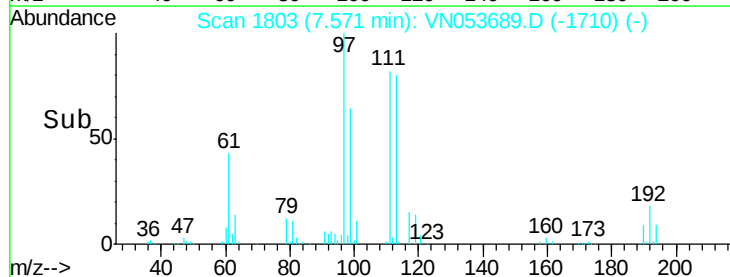
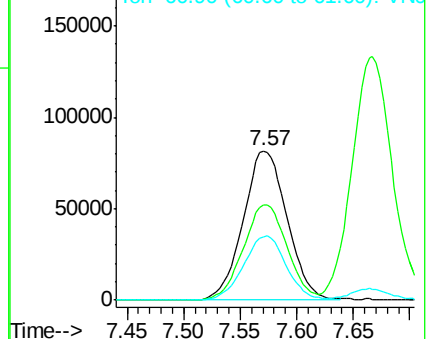
97 100

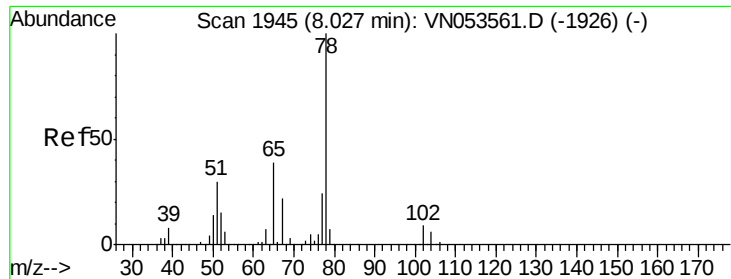
99 64.0 52.0 78.0

61 42.0 34.4 51.6



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





#33

1,2-Dichloroethane-d4

Concen: 20.114 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

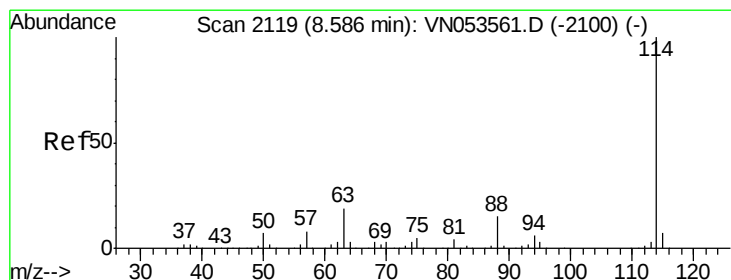
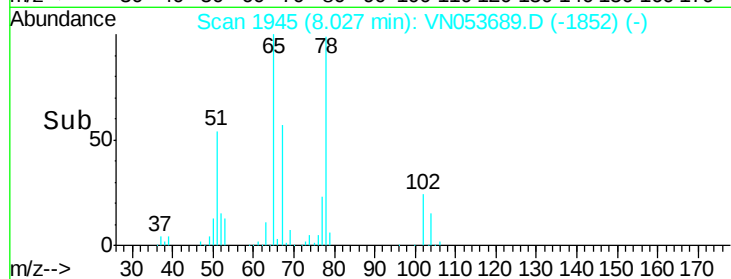
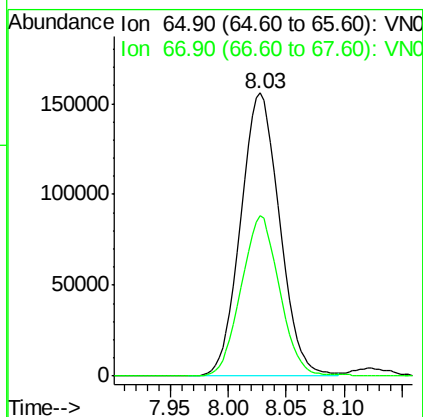
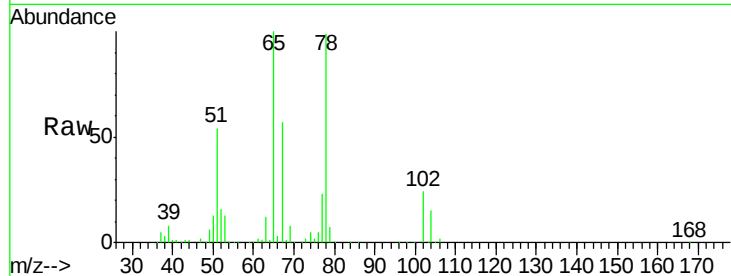
VN0208MBSD01

Tot Ion: 65 Resp: 366188

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: VN053689.D

Acq: 8 Feb 2019 18:38

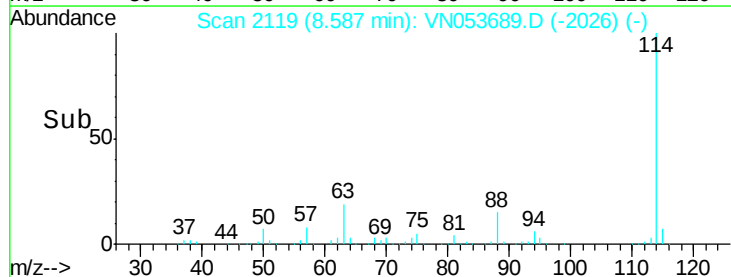
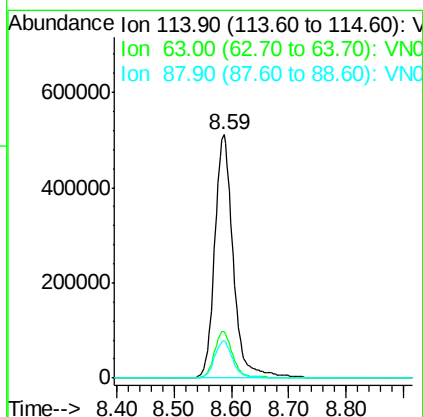
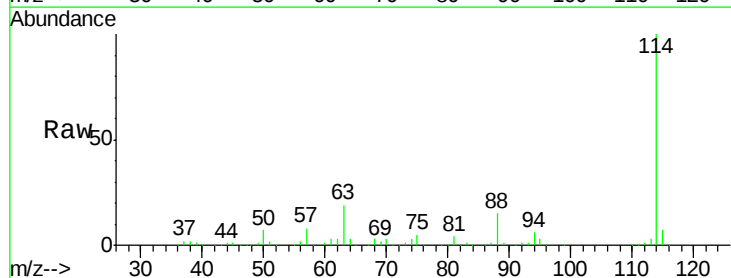
Tgt Ion: 114 Resp: 1155267

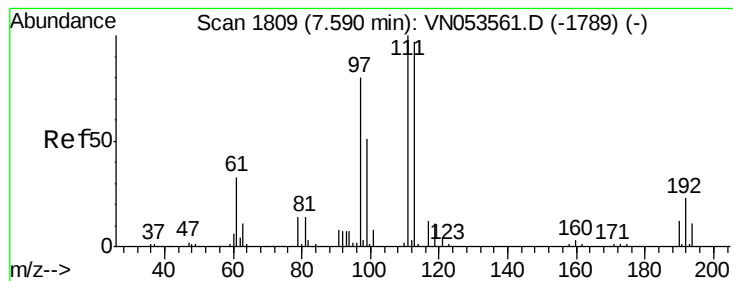
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.4 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: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

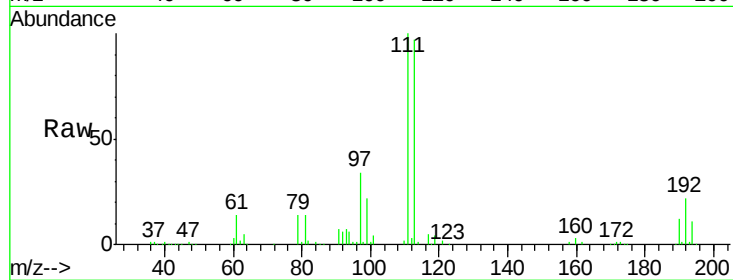
Tot Ion:113 Resp: 357499

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

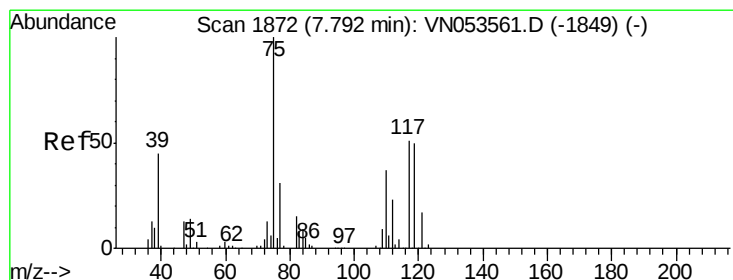
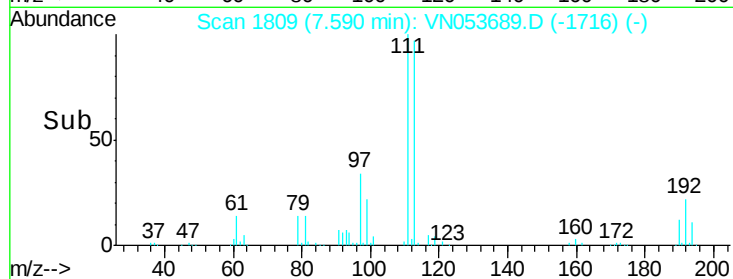
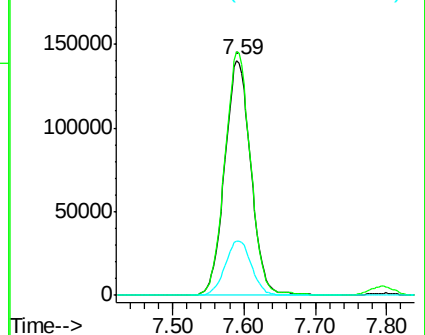
192 23.2 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.407 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

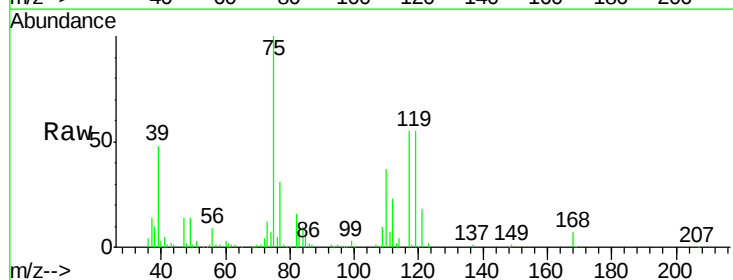
Tgt Ion: 75 Resp: 191696

Ion Ratio Lower Upper

75 100

110 37.8 18.1 54.3

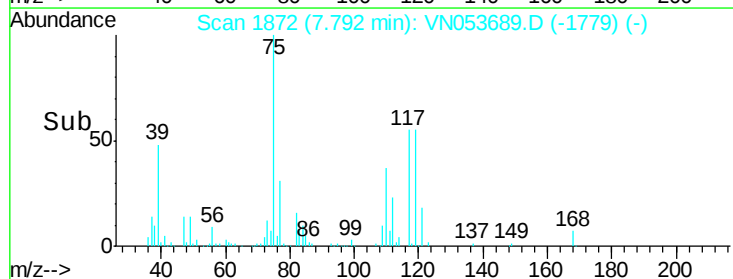
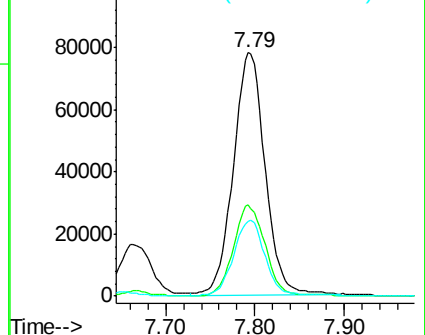
77 31.6 25.1 37.7

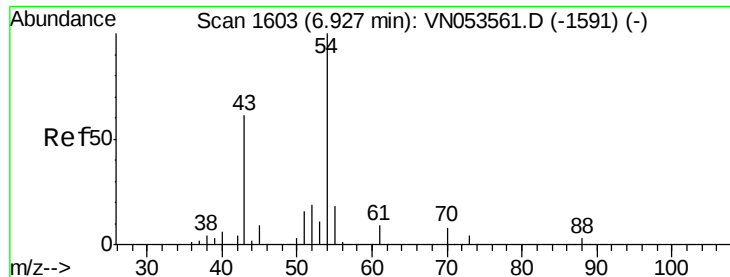


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

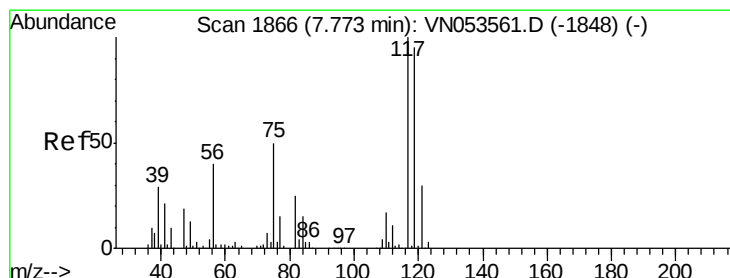
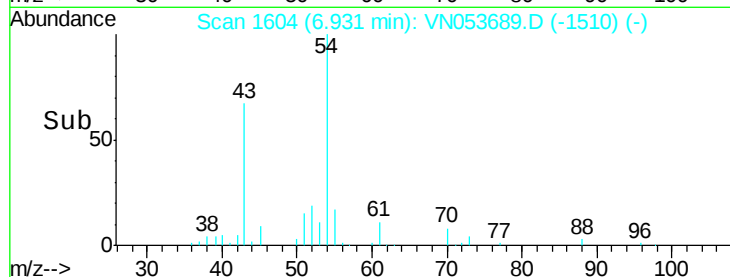
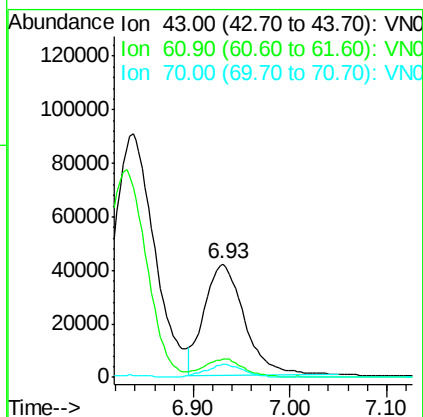
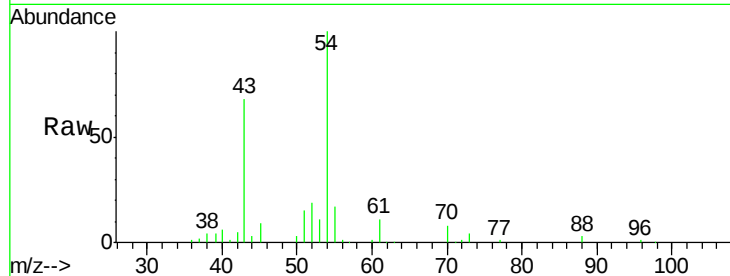




#37
Ethyl Acetate
Concen: 20.854 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

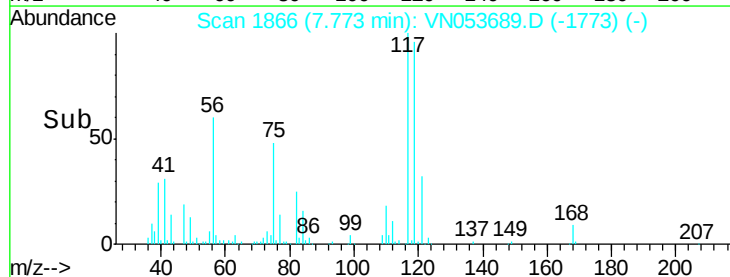
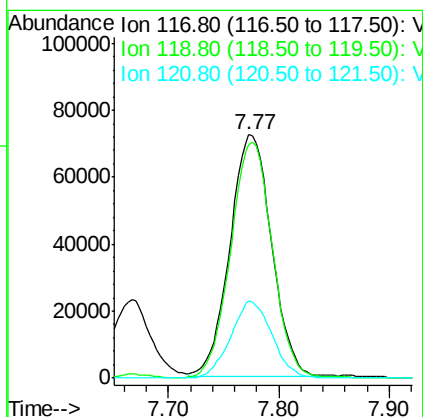
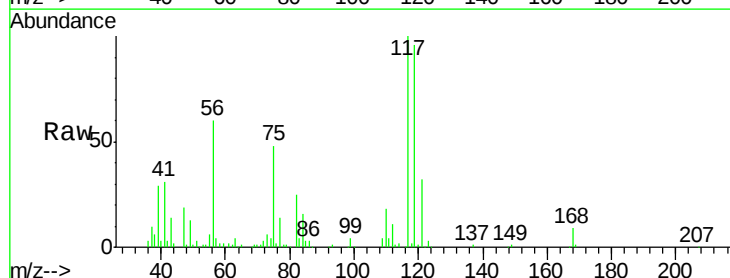
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

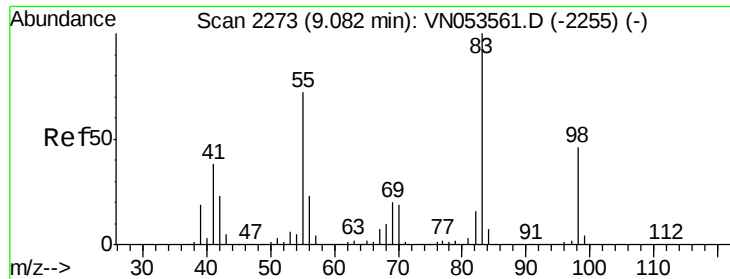
Tot Ion: 43 Resp: 121290
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.3 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.002 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 117 Resp: 188863
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8
121 32.0 24.6 37.0

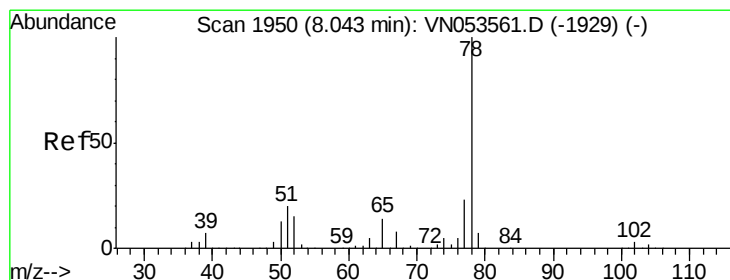
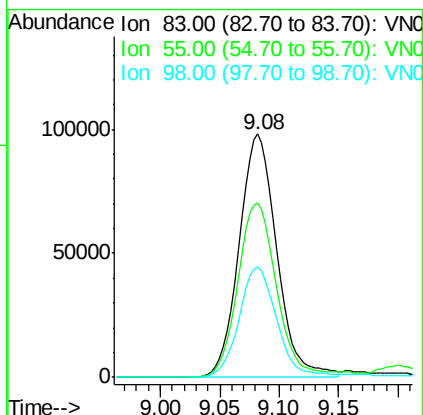
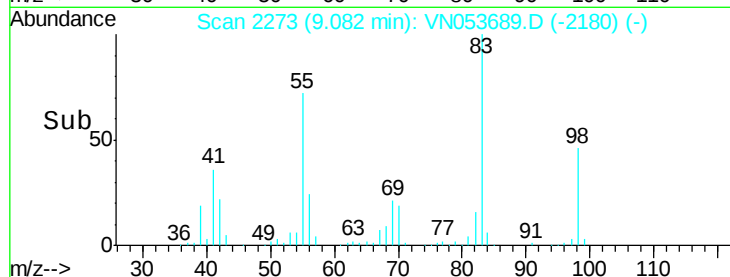
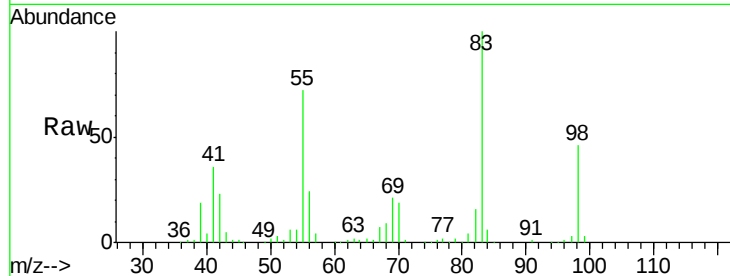




#39
Methvlcvclohexane
Concen: 17.454 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

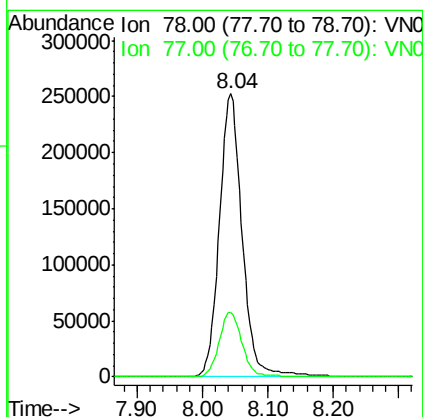
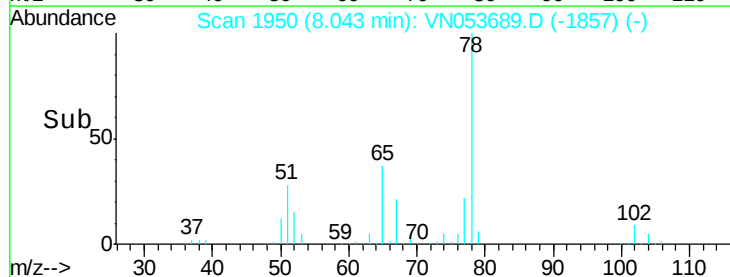
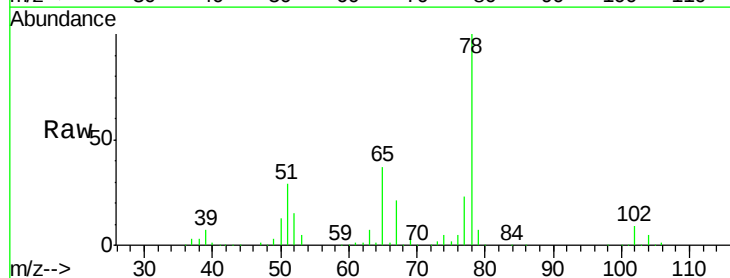
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

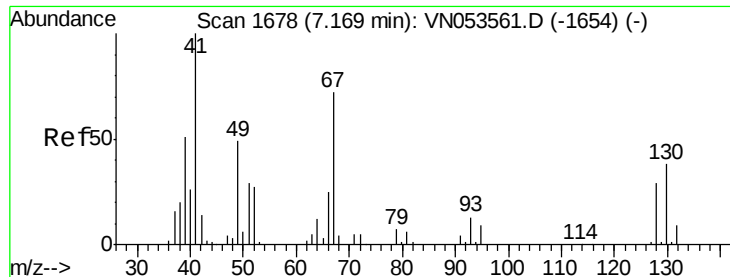
Tot Ion: 83 Resp: 215652
Ion Ratio Lower Upper
83 100
55 71.9 60.1 90.1
98 45.6 36.6 55.0



#40
Benzene
Concen: 19.076 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 78 Resp: 612619
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2

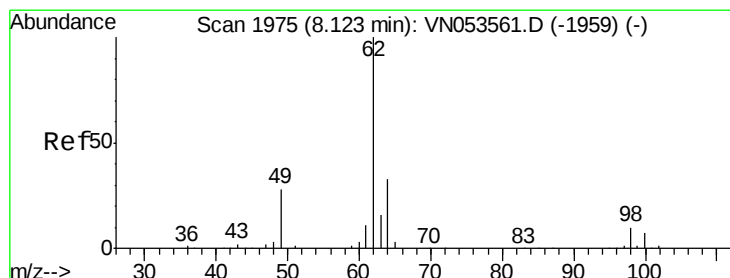
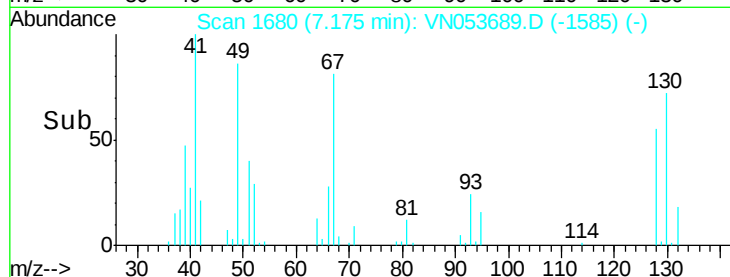
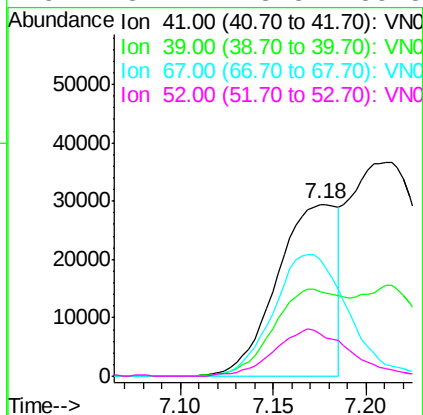
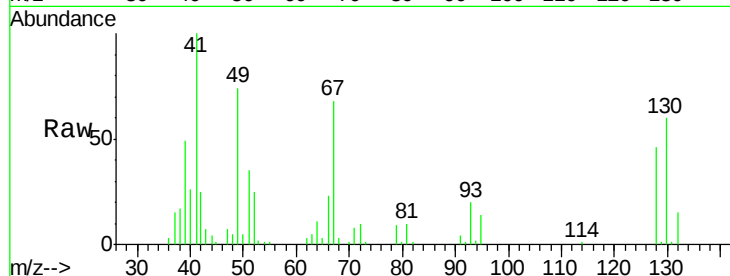




#41
Methacrylonitrile
Concen: 20.480 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

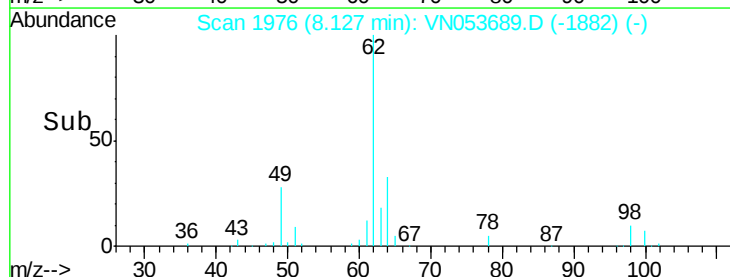
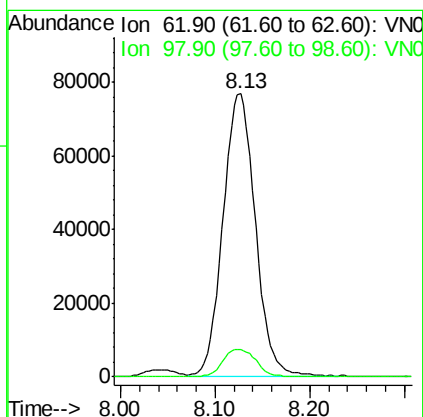
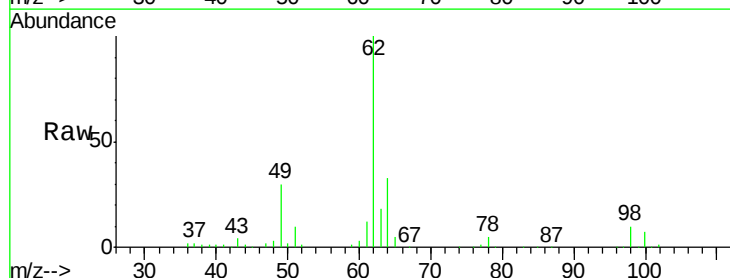
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

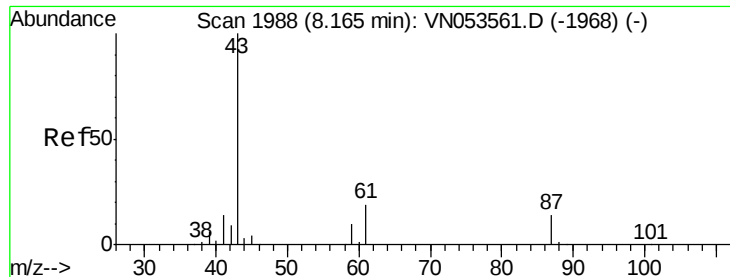
Tot Ion:	41	Resp:	66575
Ion	Ratio	Lower	Upper
41	100		
39	59.9	46.8	70.2
67	88.5	63.0	94.6
52	34.4	23.8	35.8



#42
1,2-Dichloroethane
Concen: 19.079 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion:	62	Resp:	181927
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 20.161 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

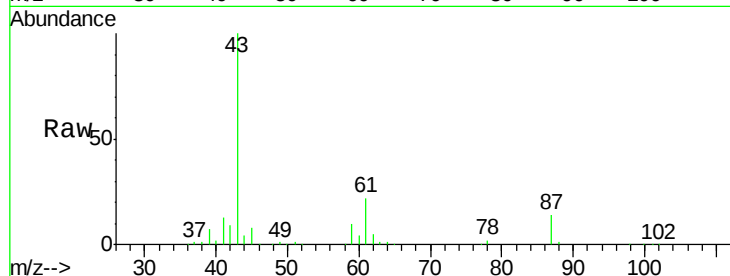
Tot Ion: 43 Resp: 226459

Ion Ratio Lower Upper

43 100

61 28.1 23.9 35.9

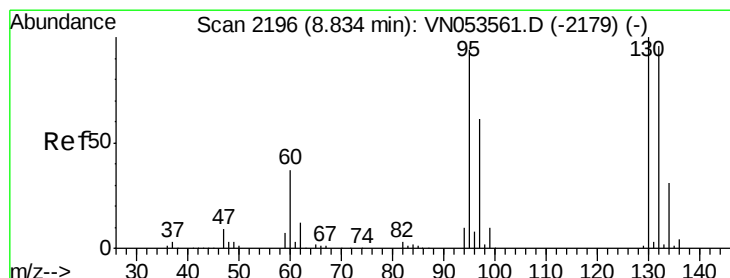
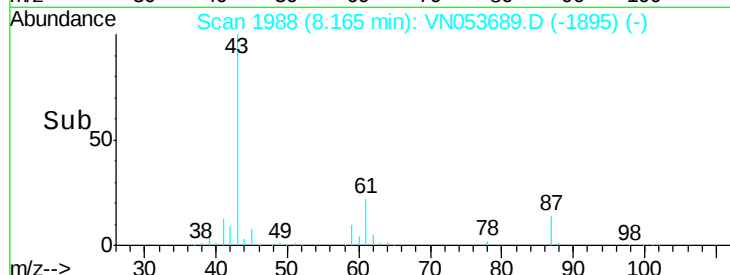
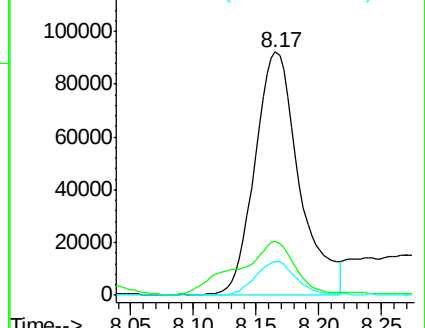
87 13.0 11.0 16.6



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: 18.396 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053689.D

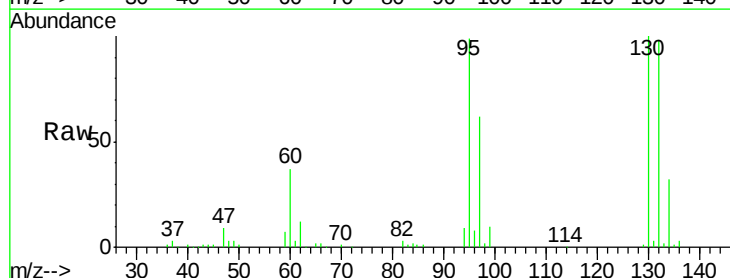
Acq: 8 Feb 2019 18:38

Tgt Ion:130 Resp: 168187

Ion Ratio Lower Upper

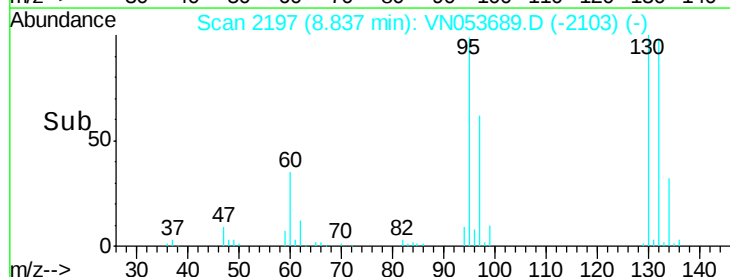
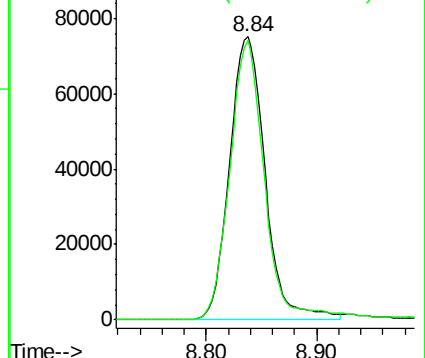
130 100

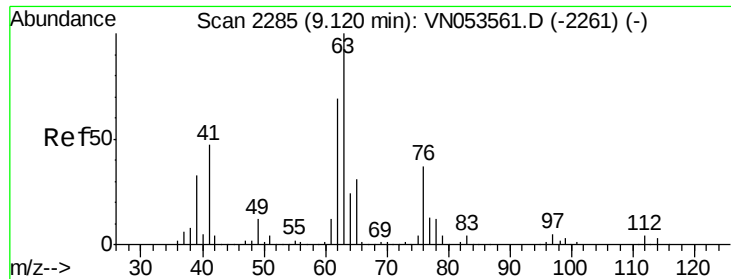
95 98.8 0.0 191.4



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: 19.645 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

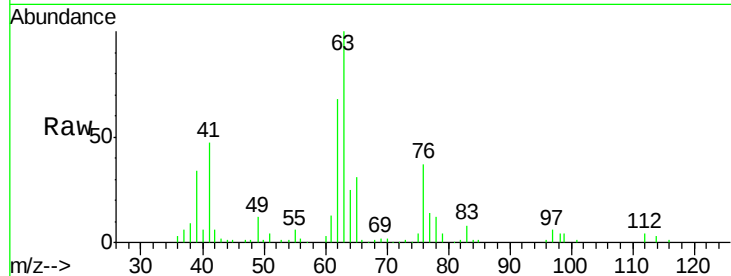
VN0208MBSD01

Tot Ion: 63 Resp: 161360

Ion Ratio Lower Upper

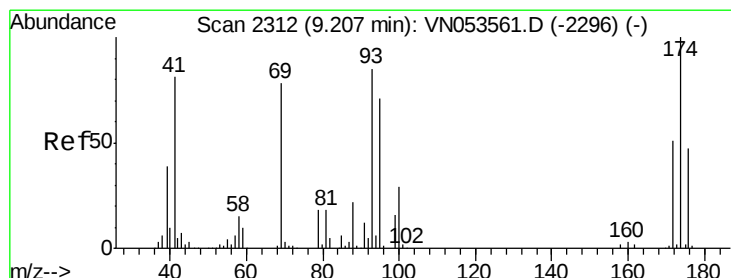
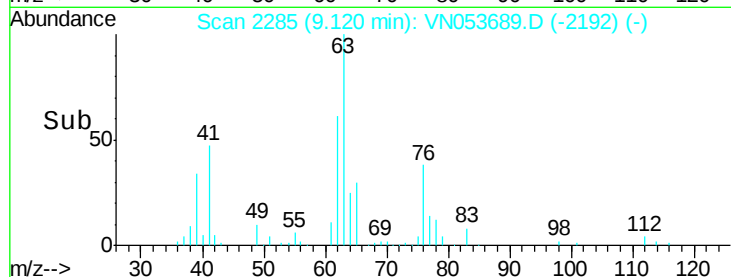
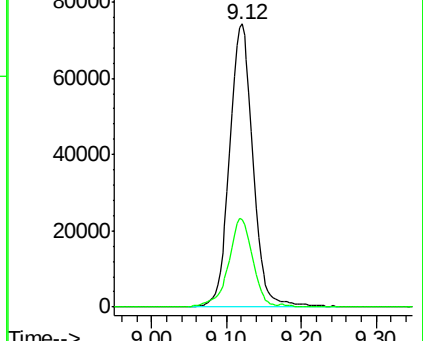
63 100

65 30.7 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: 19.045 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

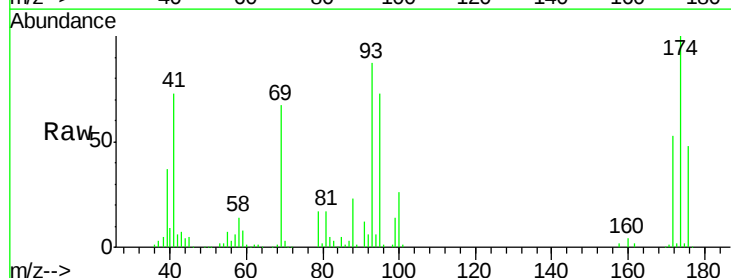
Tgt Ion: 93 Resp: 94302

Ion Ratio Lower Upper

93 100

95 84.3 67.3 100.9

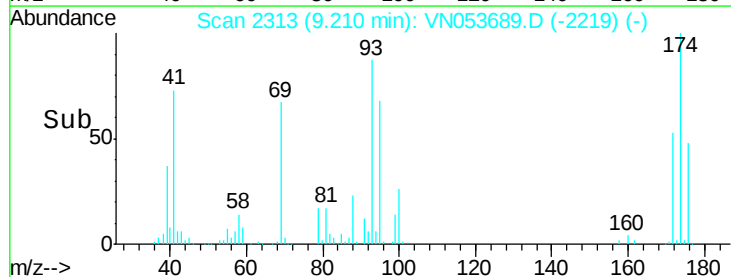
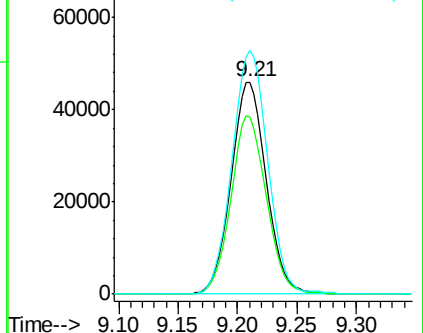
174 116.7 91.0 136.4

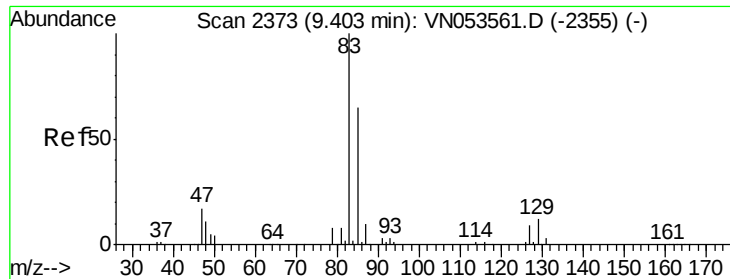


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

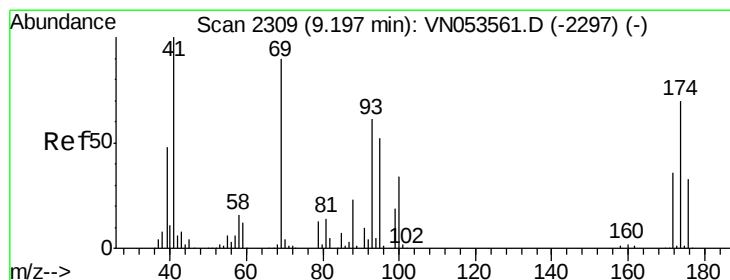
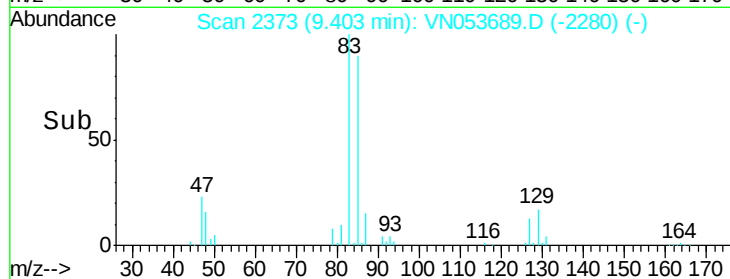
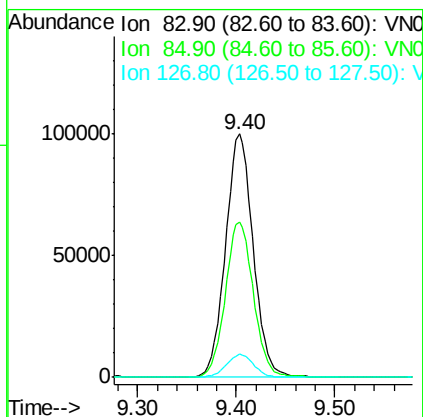
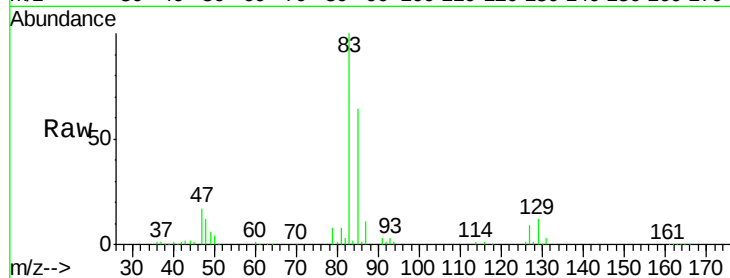




#47
Bromodichloromethane
Concen: 19.026 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

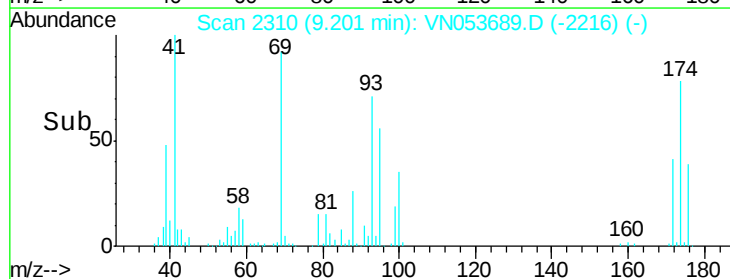
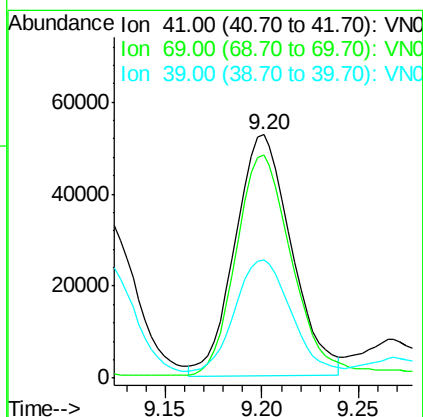
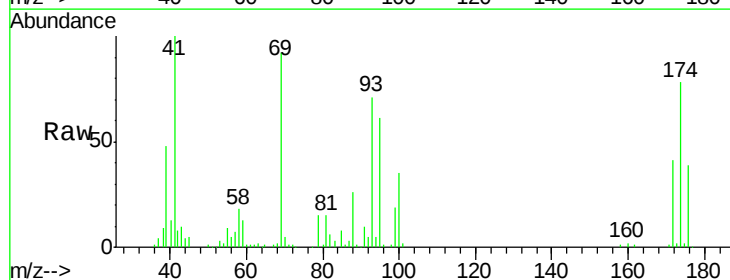
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

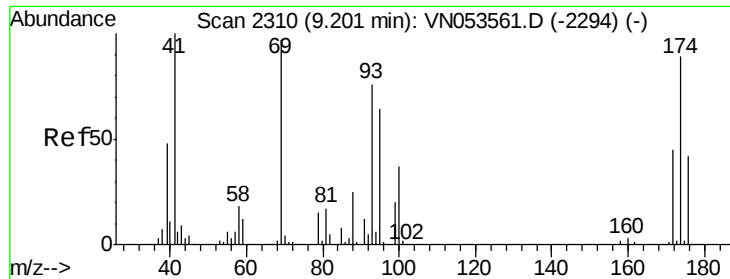
Tot Ion: 83 Resp: 195880
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.6
127 9.5 7.0 10.6



#48
Methyl methacrylate
Concen: 19.881 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 41 Resp: 106598
Ion Ratio Lower Upper
41 100
69 94.5 73.8 110.6
39 50.6 40.0 60.0





#49

1,4-Dioxane

Concen: 429.574 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

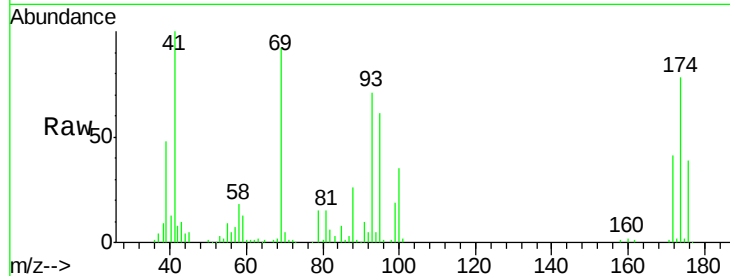
Tot Ion: 88 Resp: 31571

Ion Ratio Lower Upper

88 100

43 25.4 27.8 41.6#

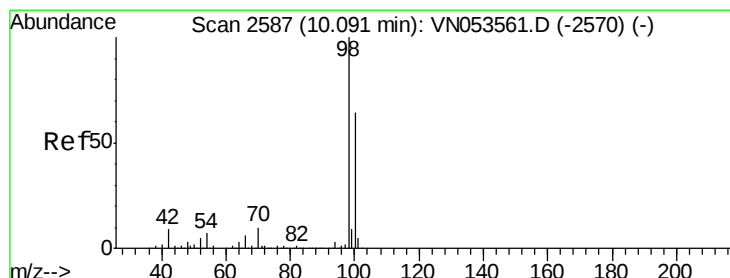
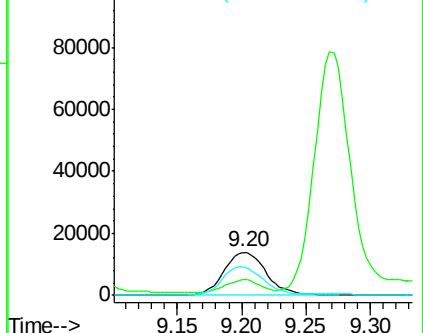
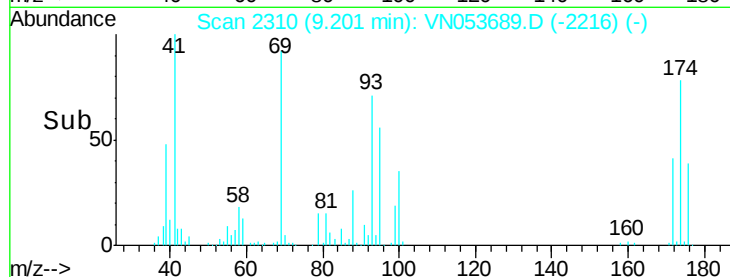
58 65.9 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053561.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053561.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2294) (-)



#50

Toluene-d8

Concen: 429.574 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053689.D

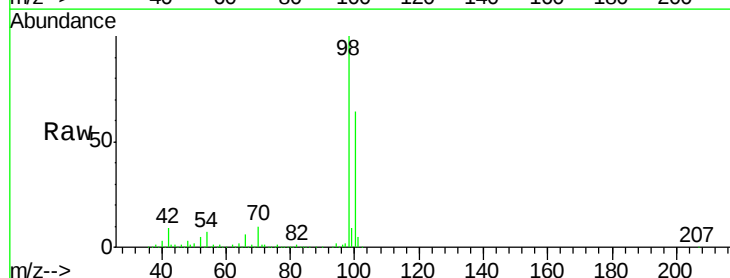
Acq: 8 Feb 2019 18:38

Tgt Ion: 98 Resp: 1301185

Ion Ratio Lower Upper

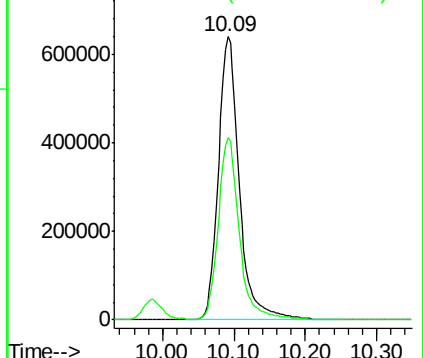
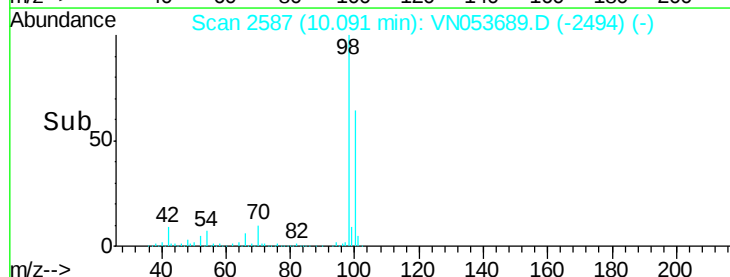
98 100

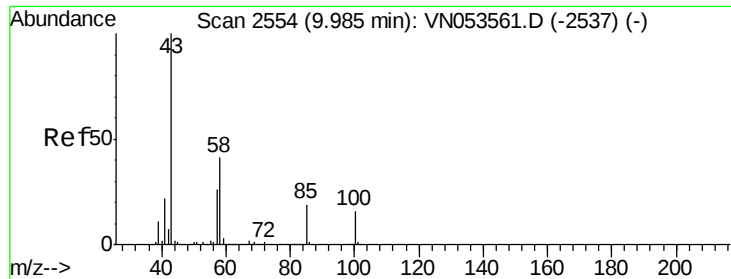
100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.897 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

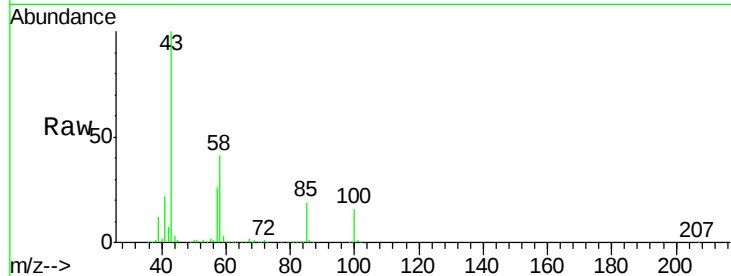
VN0208MBSD01

Tot Ion: 43 Resp: 573476

Ion Ratio Lower Upper

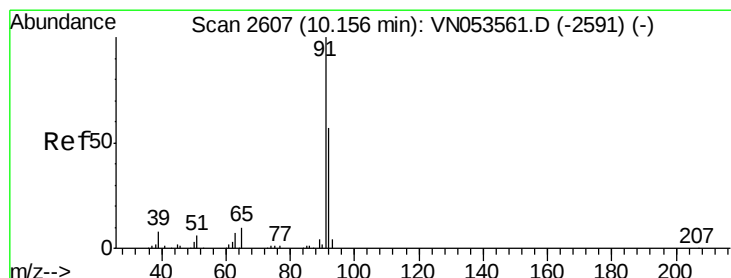
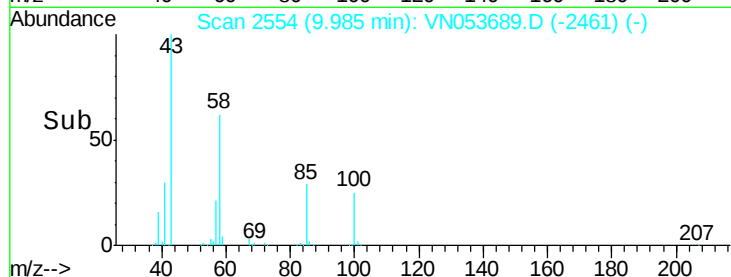
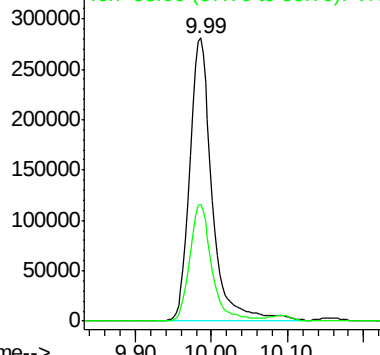
43 100

58 40.5 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.365 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053689.D

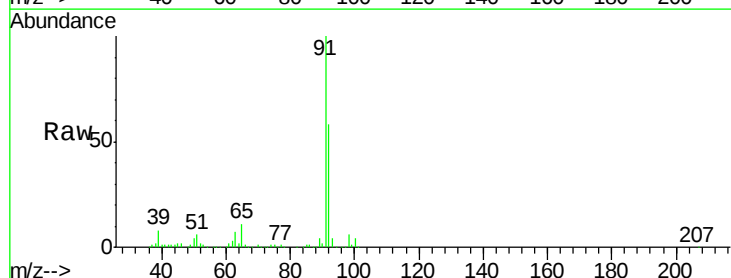
Acq: 8 Feb 2019 18:38

Tgt Ion: 92 Resp: 369080

Ion Ratio Lower Upper

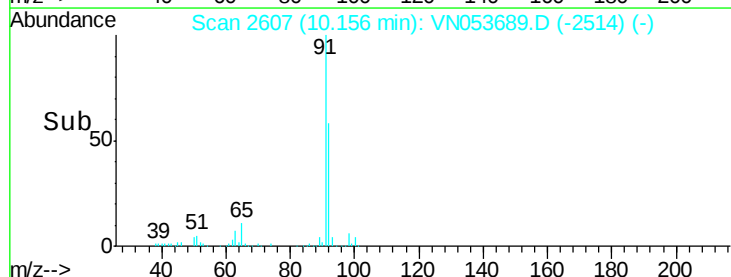
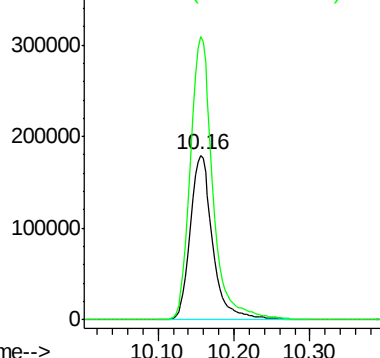
92 100

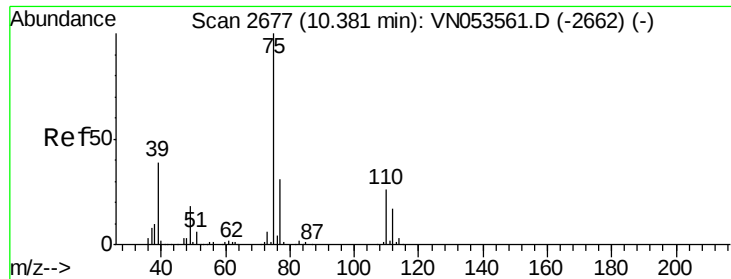
91 173.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.722 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

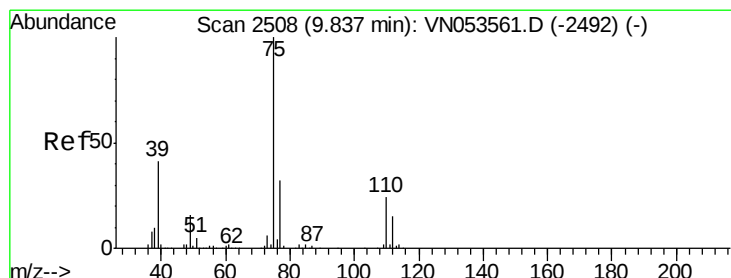
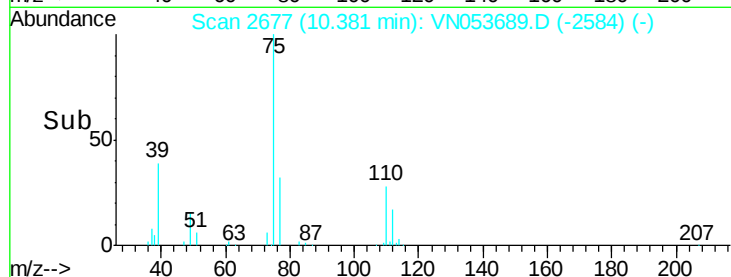
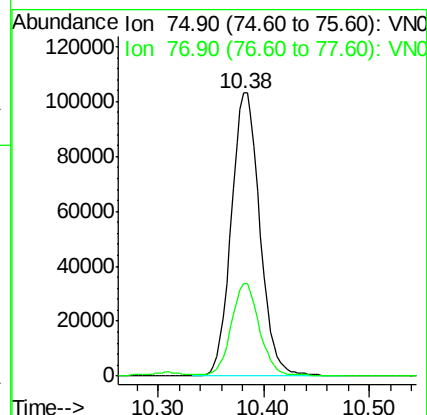
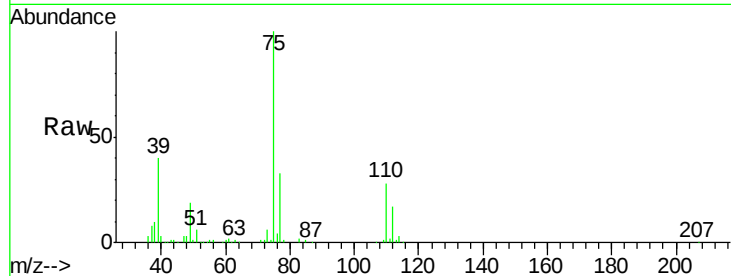
VN0208MBSD01

Tot Ion: 75 Resp: 193008

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.692 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

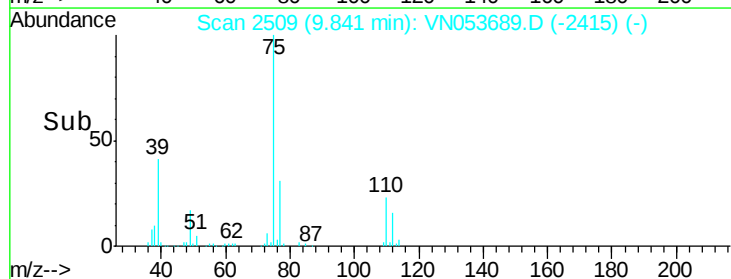
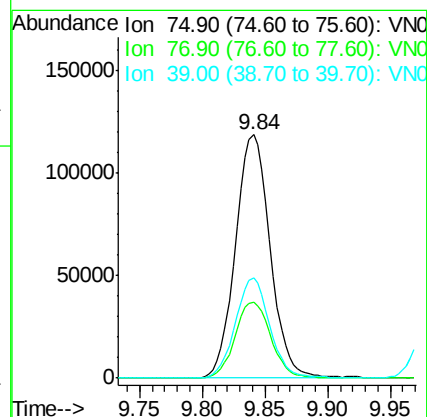
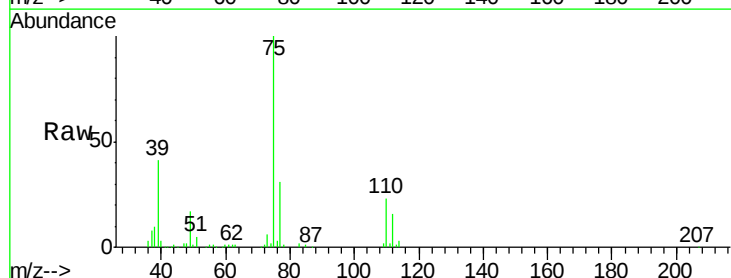
Tgt Ion: 75 Resp: 228343

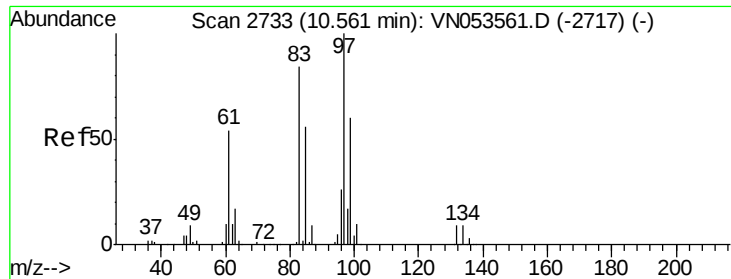
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

39 41.1 33.4 50.0

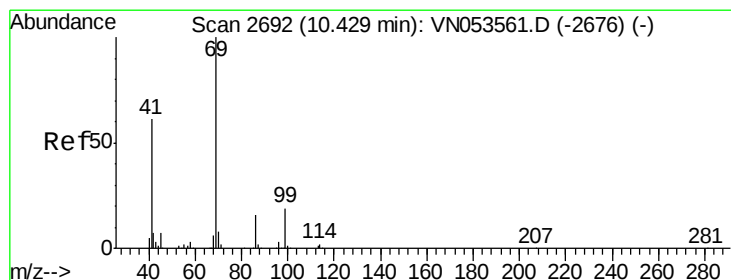
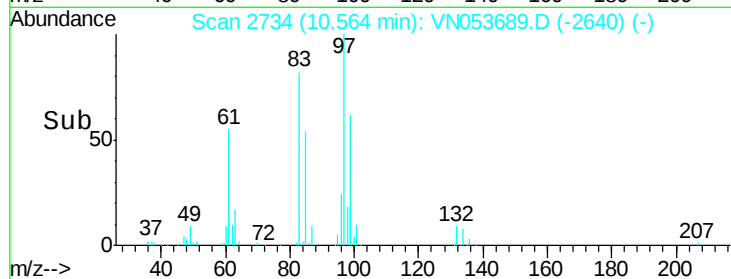
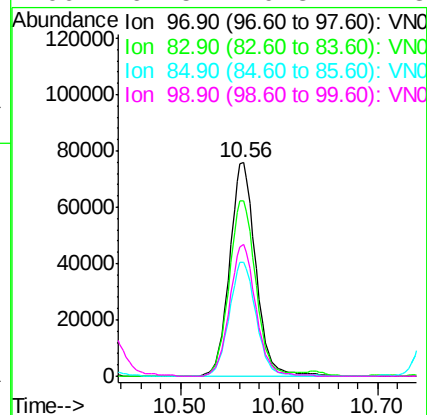
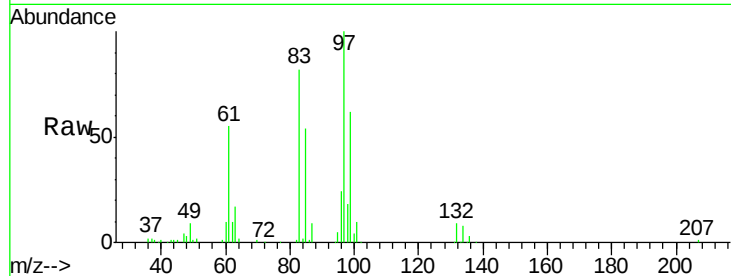




#55
 1,1,2-Trichloroethane
 Concen: 20.505 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

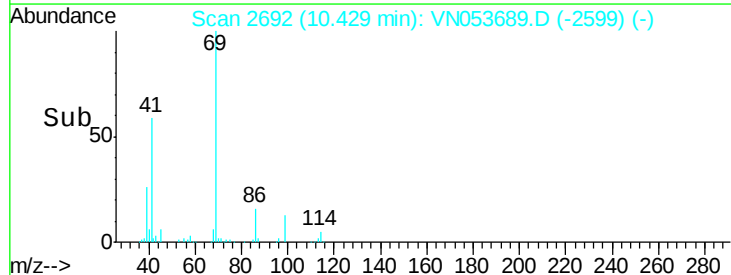
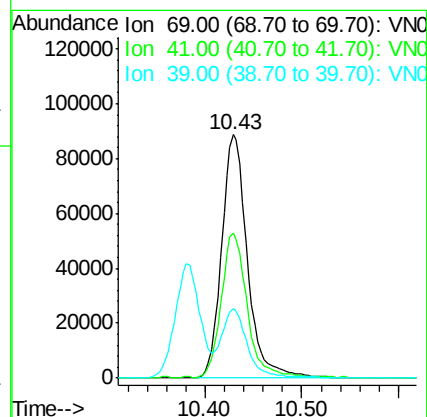
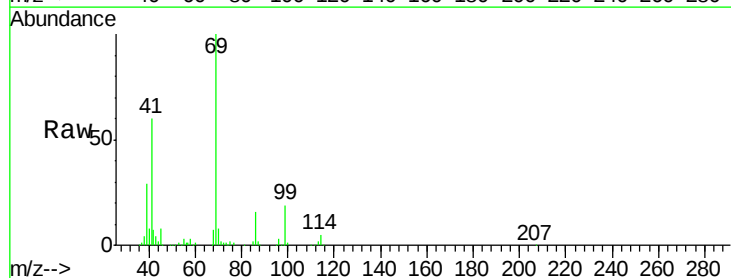
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208MBSD01

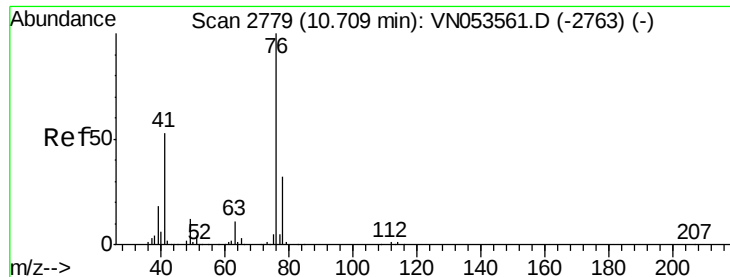
Tot Ion: 97 Resp: 140830
 Ion Ratio Lower Upper
 97 100
 83 82.0 70.1 105.1
 85 53.6 45.4 68.0
 99 61.5 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 20.173 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

Tgt Ion: 69 Resp: 163901
 Ion Ratio Lower Upper
 69 100
 41 59.2 49.4 74.0
 39 27.0 23.3 34.9

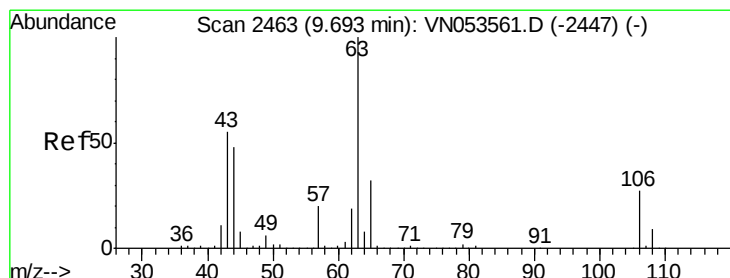
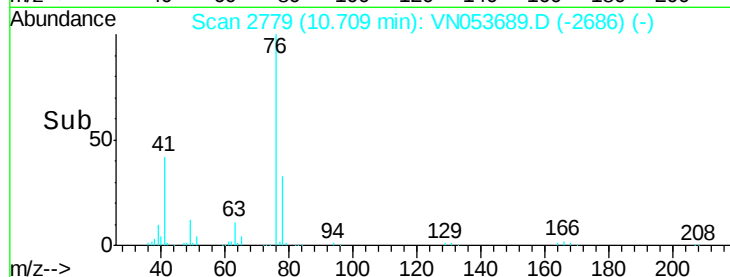
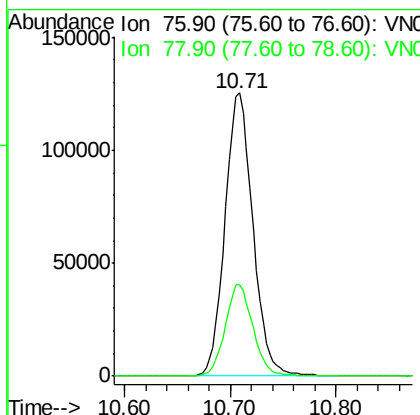
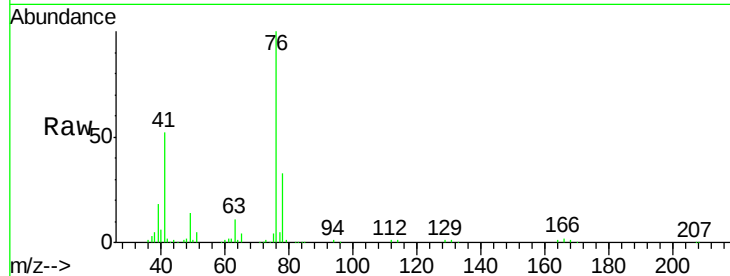




#57
 1,3-Dichloropropane
 Concen: 19.578 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

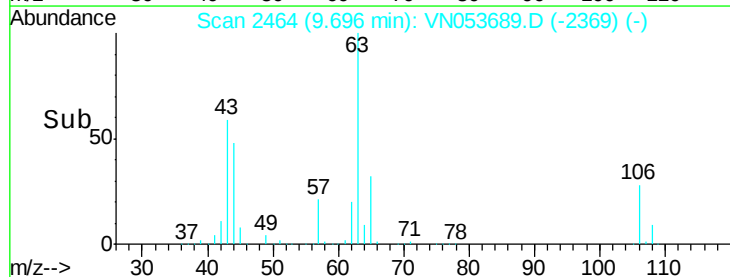
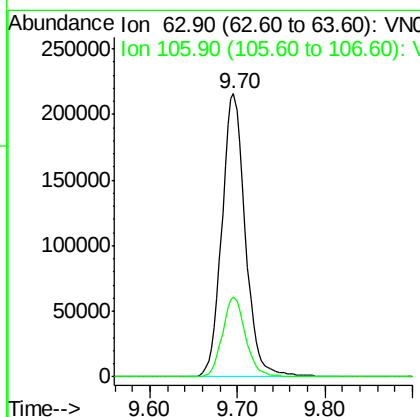
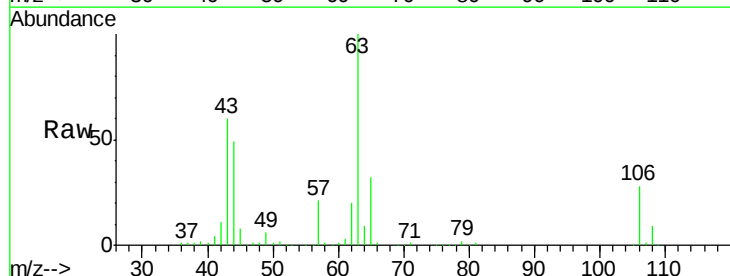
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208MBSD01

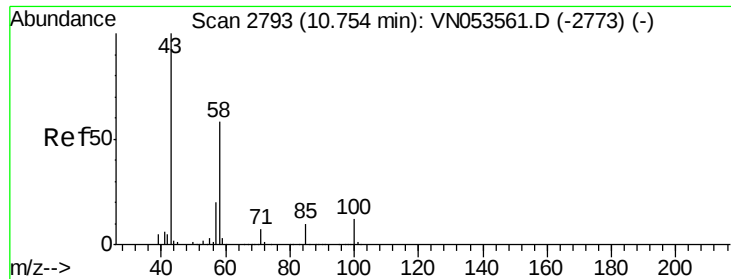
Tot Ion: 76 Resp: 229801
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.188 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

Tgt Ion: 63 Resp: 401759
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.5 32.3

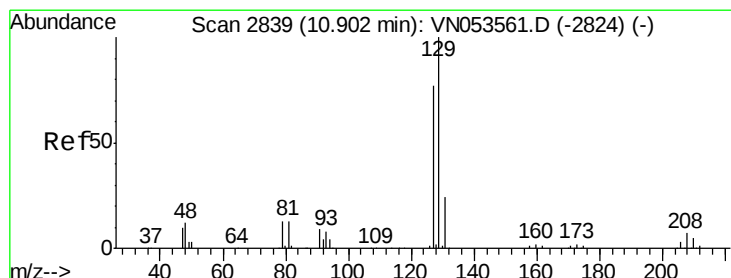
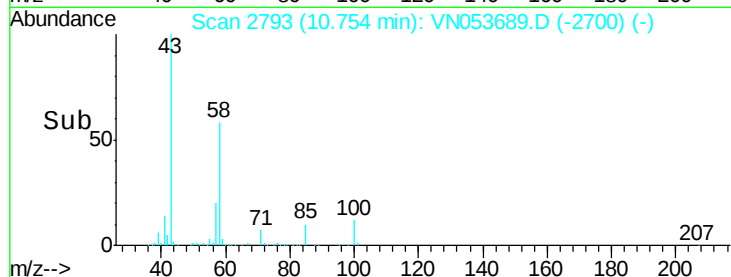
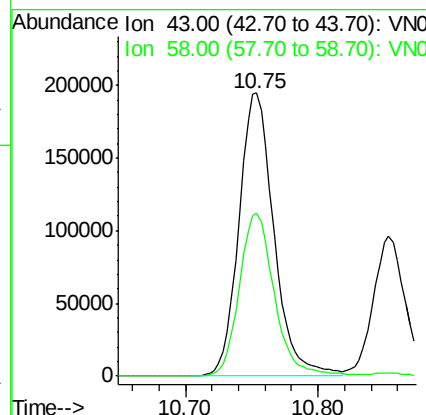
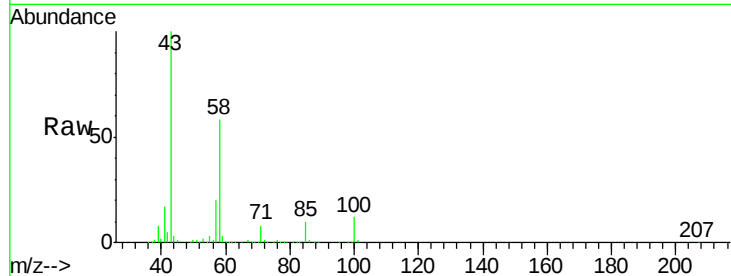




#59
2-Hexanone
Concen: 94.905 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

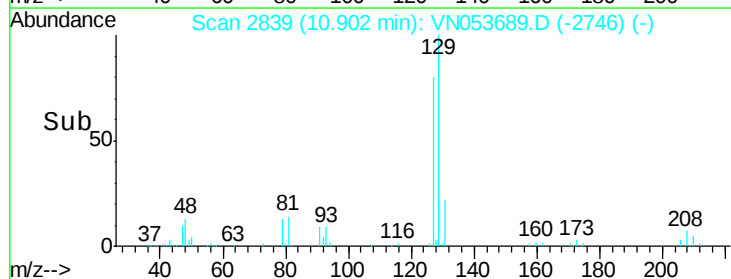
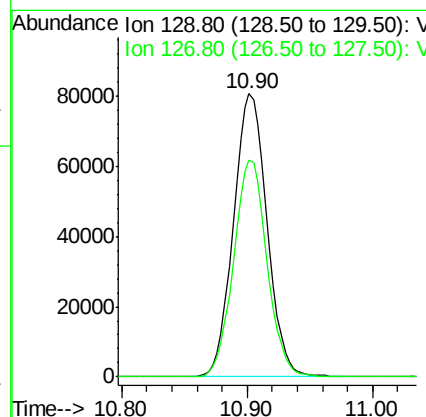
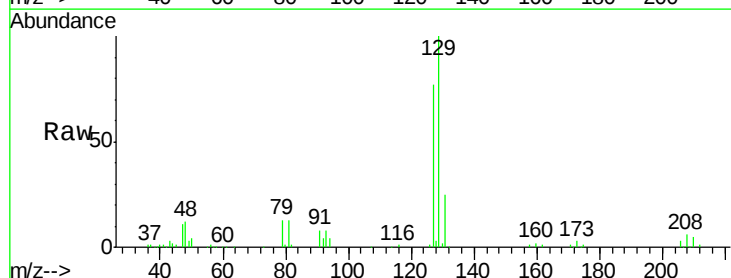
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

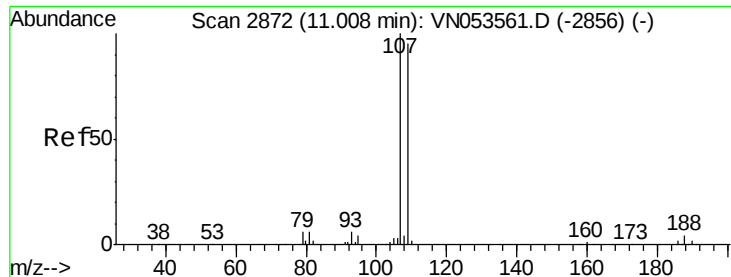
Tot Ion: 43 Resp: 355621
Ion Ratio Lower Upper
43 100
58 57.8 28.6 85.8



#60
Dibromochloromethane
Concen: 19.353 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 129 Resp: 149886
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.226 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

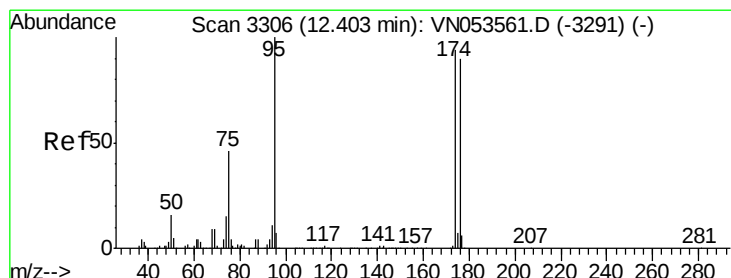
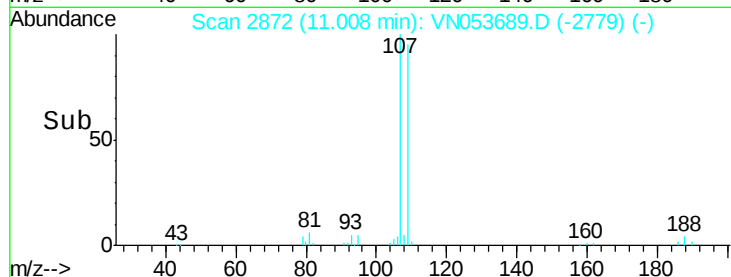
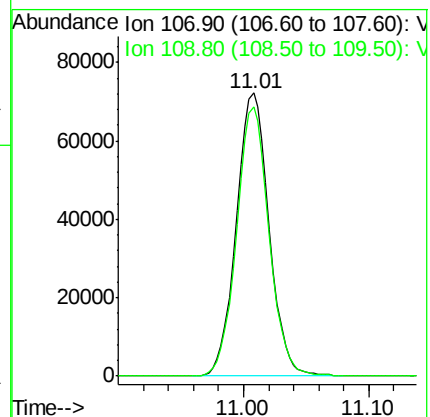
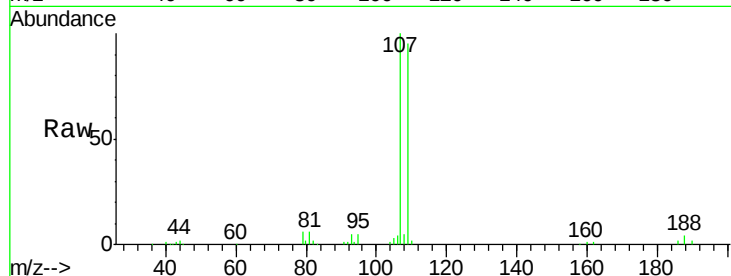
VN0208MBSD01

Tot Ion:107 Resp: 130692

Ion Ratio Lower Upper

107 100

109 94.4 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 19.226 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

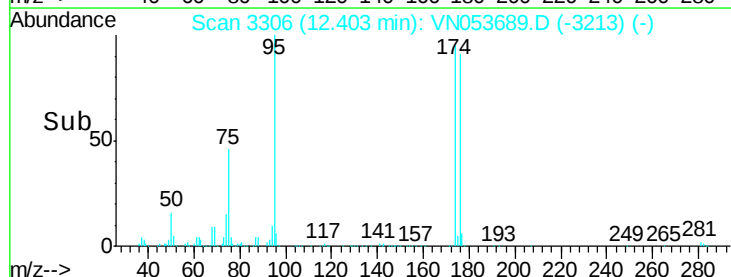
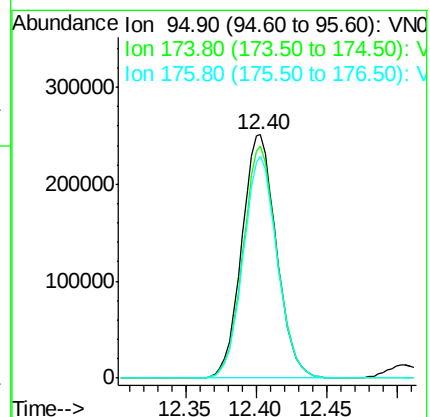
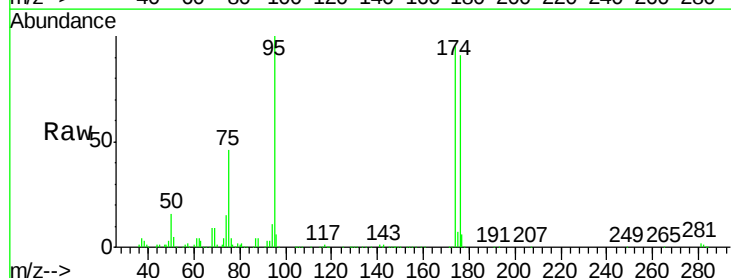
Tgt Ion: 95 Resp: 431091

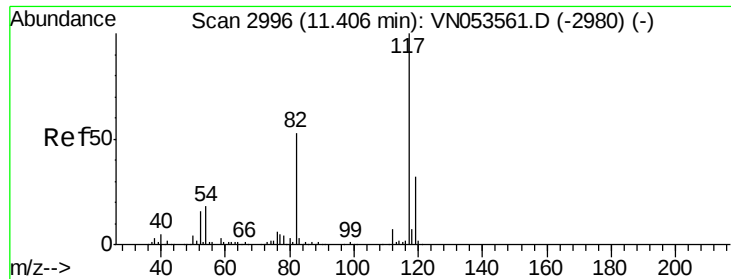
Ion Ratio Lower Upper

95 100

174 93.6 0.0 183.2

176 89.8 0.0 177.4

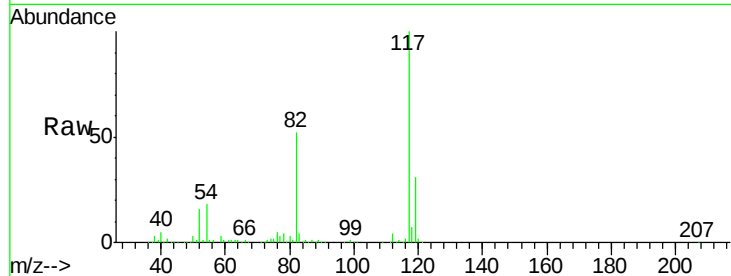




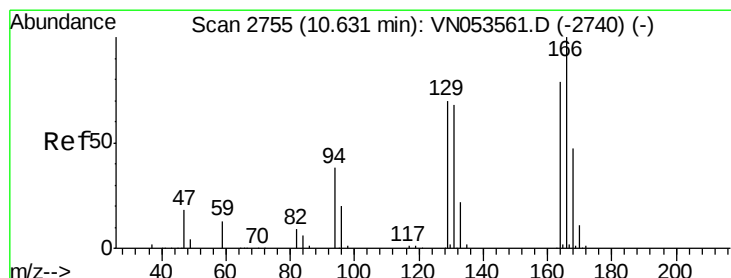
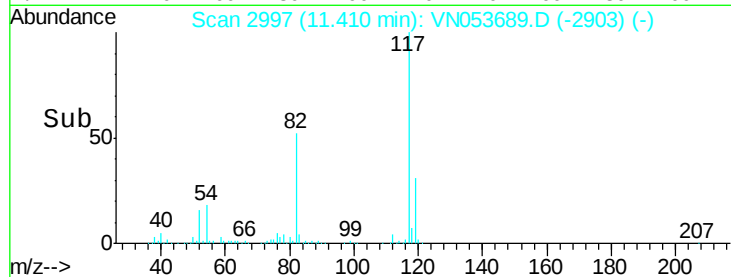
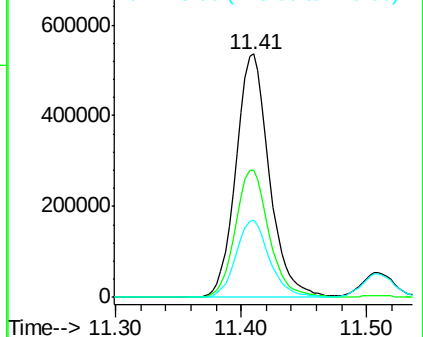
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0208MBSD01

Tot Ion:117 Resp: 991088
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 31.5 26.0 39.0

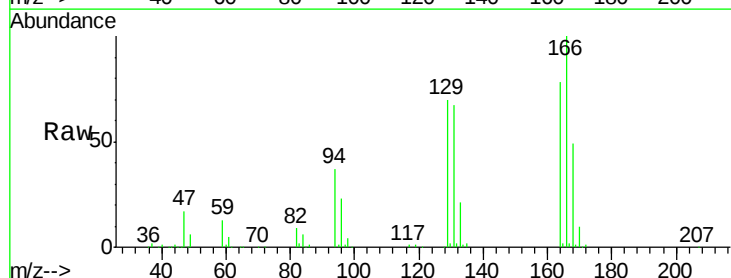


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

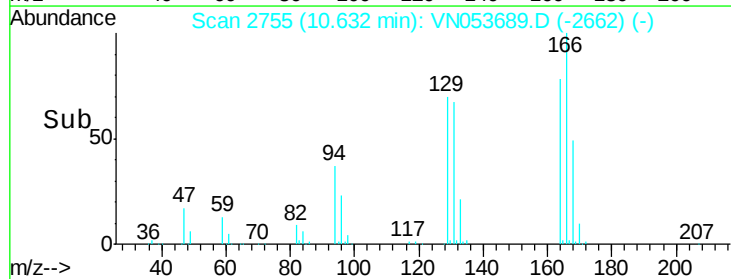
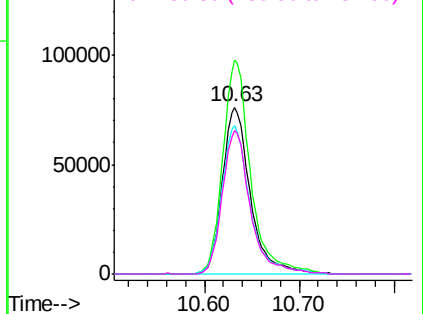


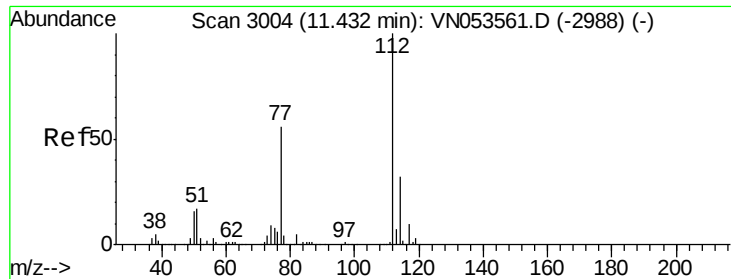
#64
Tetrachloroethene
Concen: 18.433 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion:164 Resp: 156600
Ion Ratio Lower Upper
164 100
166 128.4 102.2 153.4
129 89.4 72.6 109.0
131 86.0 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: 19.061 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

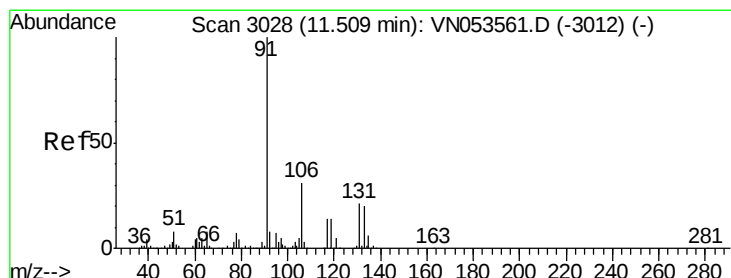
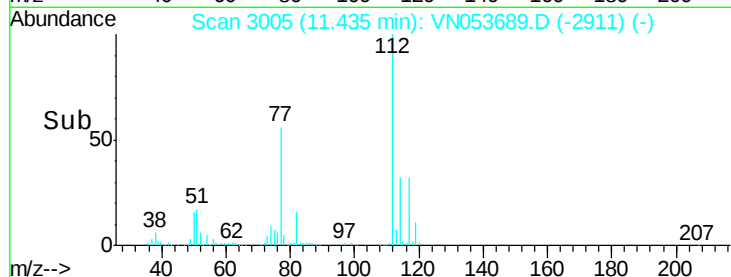
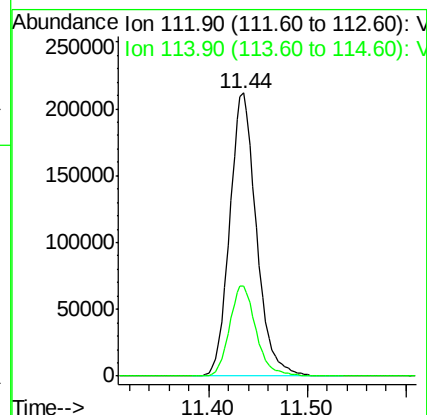
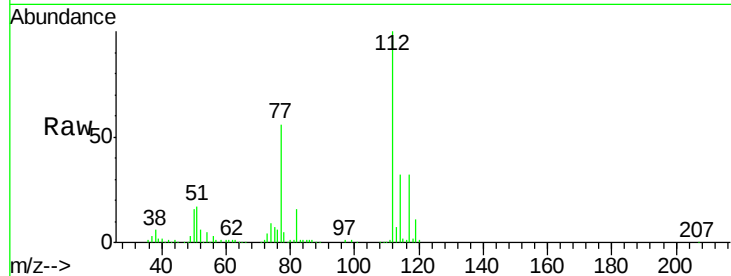
VN0208MBSD01

Tot Ion:112 Resp: 401277

Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.582 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

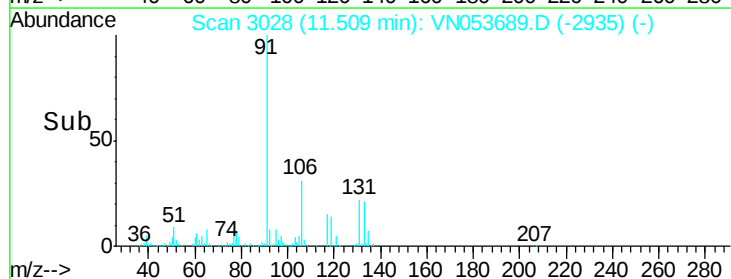
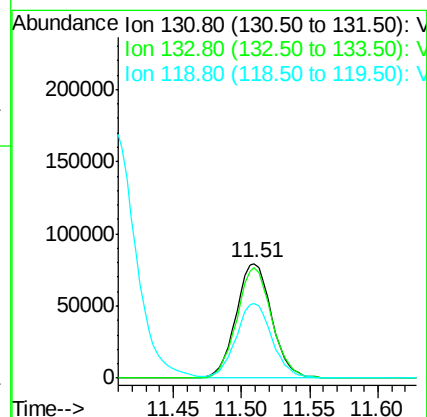
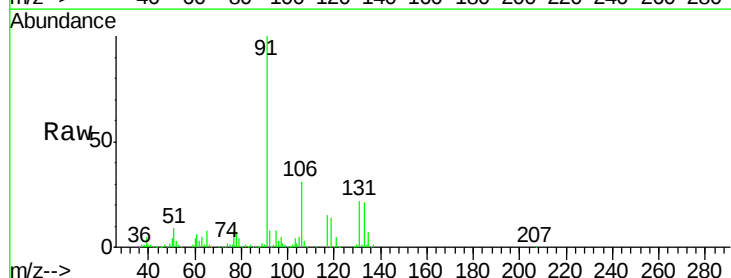
Tgt Ion:131 Resp: 143972

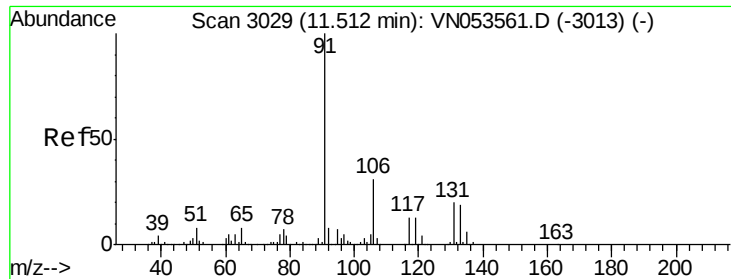
Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

119 66.1 33.5 100.5

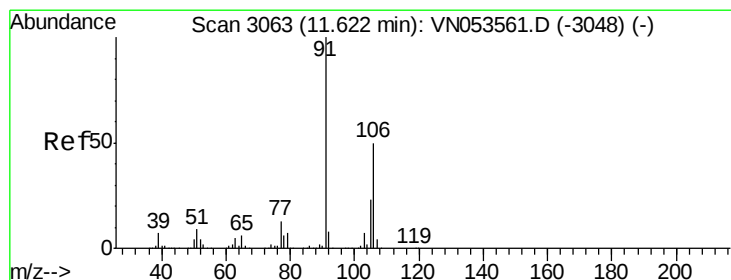
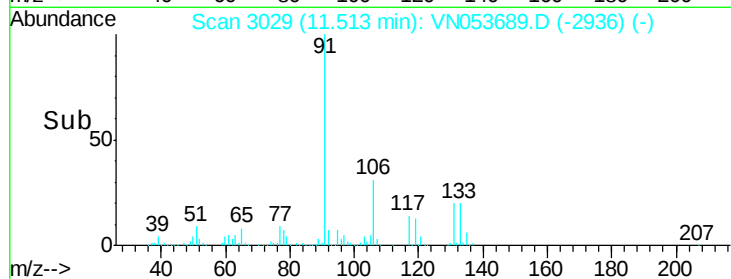
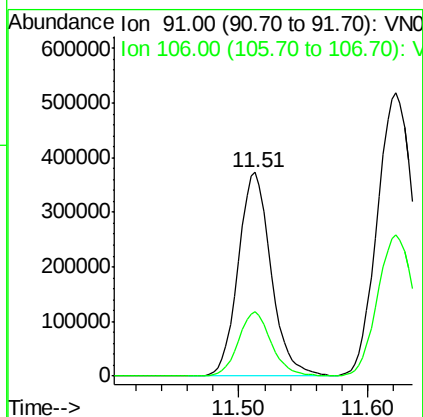
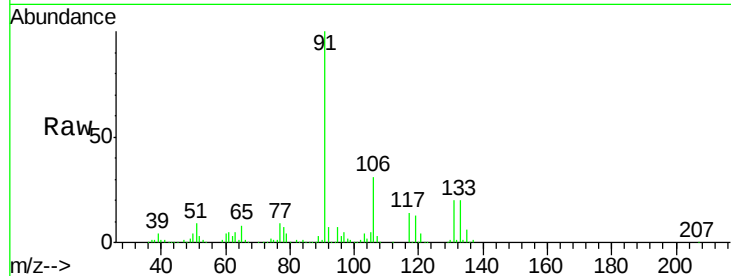




#67
Ethyl Benzene
Concen: 19.116 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

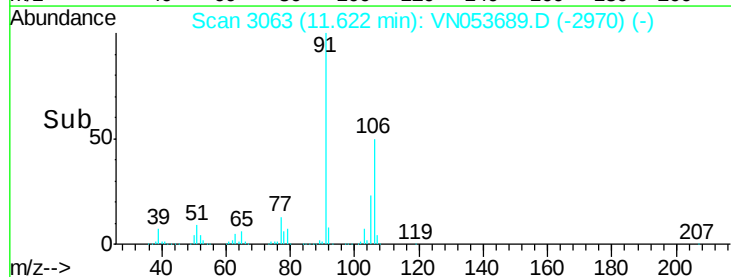
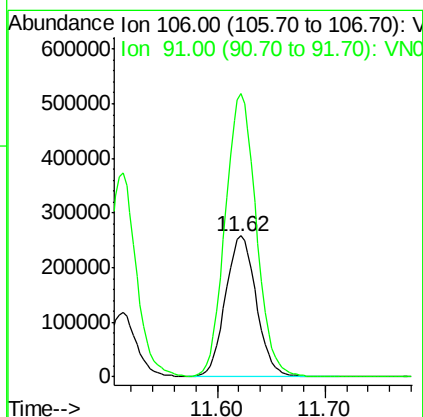
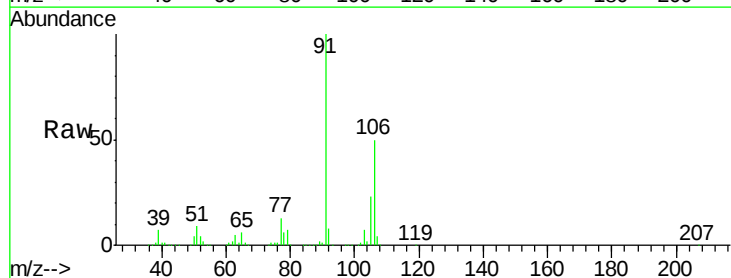
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

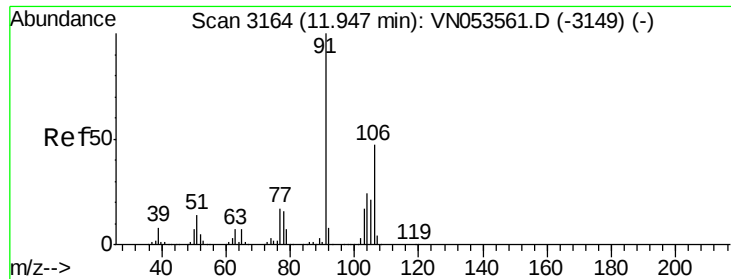
Tot Ion: 91 Resp: 661054
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 39.107 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 106 Resp: 516157
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2

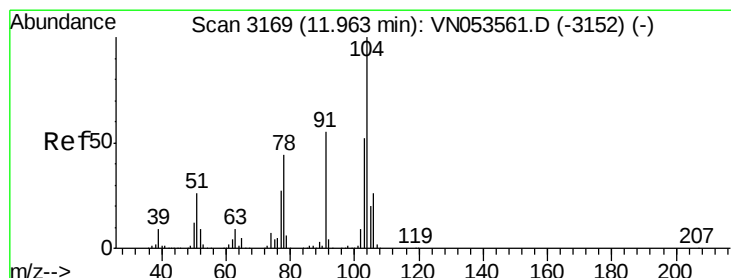
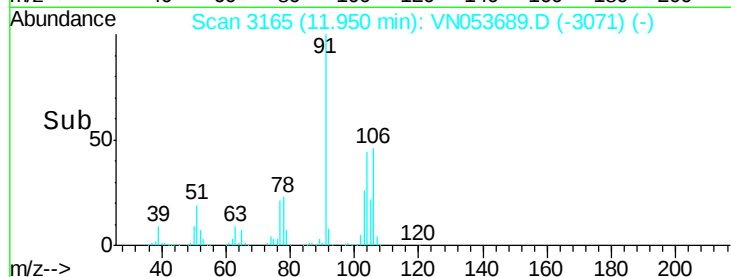
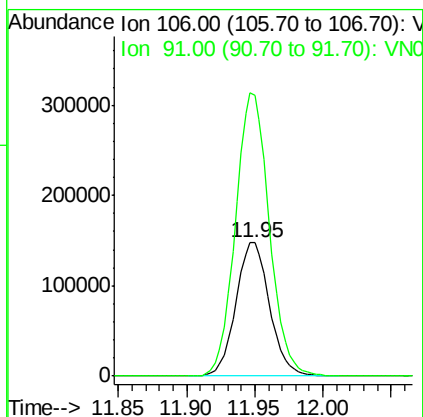
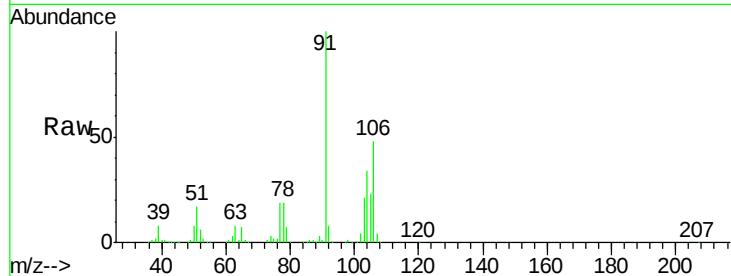




#69
o-Xylene
Concen: 19.891 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

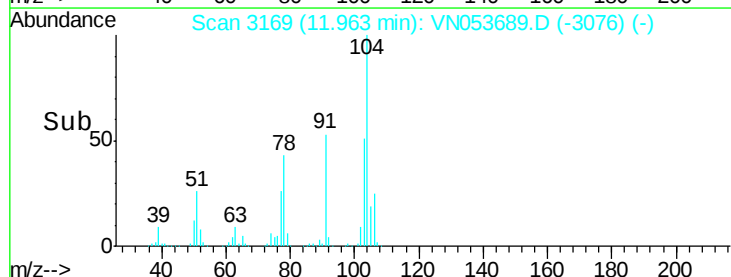
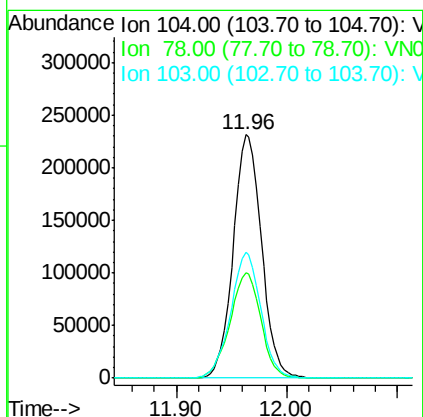
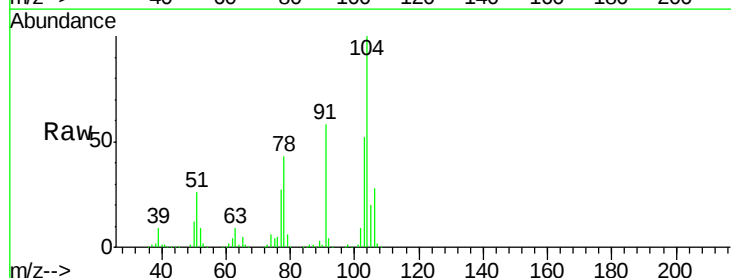
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

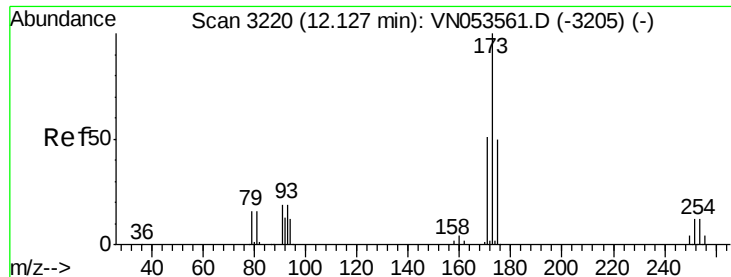
Tot Ion:106 Resp: 253626
Ion Ratio Lower Upper
106 100
91 212.5 106.9 320.8



#70
Styrene
Concen: 19.996 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion:104 Resp: 413255
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.2
103 55.0 44.4 66.6

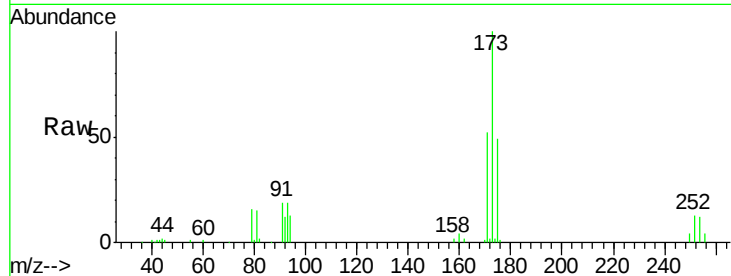




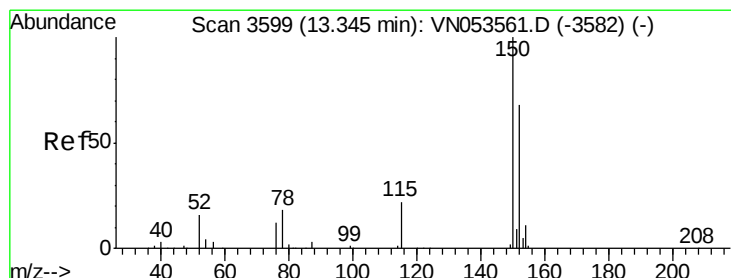
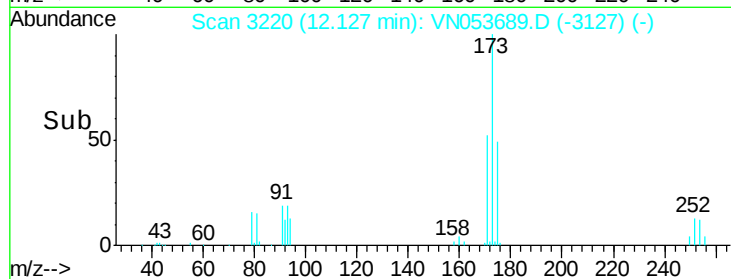
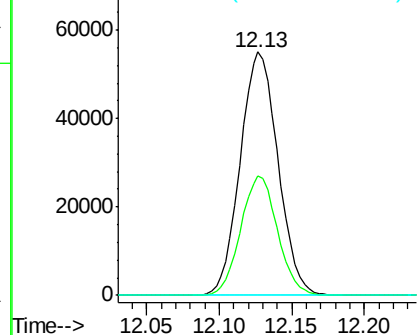
#71
Bromoform
Concen: 19.806 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

Tot Ion:173 Resp: 99832
Ion Ratio Lower Upper
173 100
175 47.5 24.6 74.0
254 0.0 0.2 0.2#

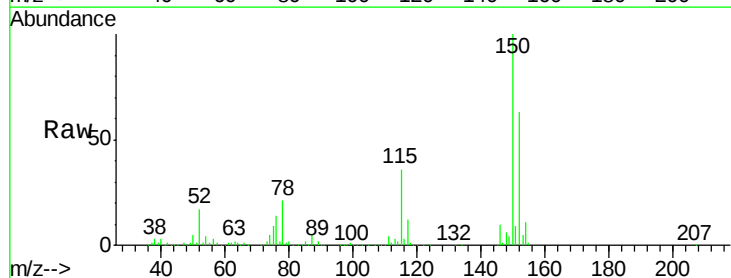


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

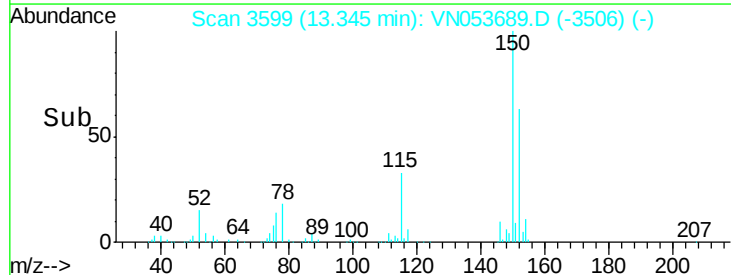
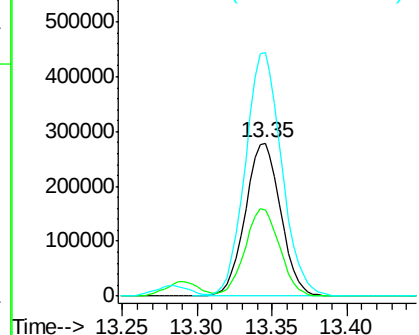


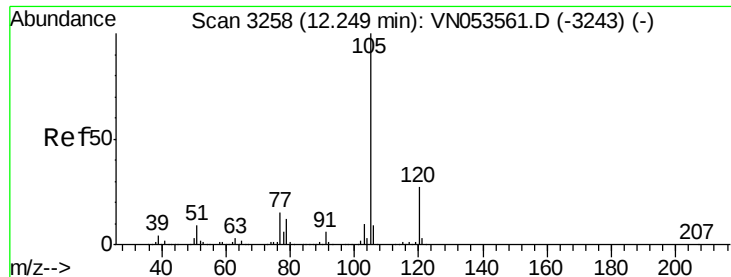
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion:152 Resp: 458482
Ion Ratio Lower Upper
152 100
115 56.5 27.8 83.4
150 164.1 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.570 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

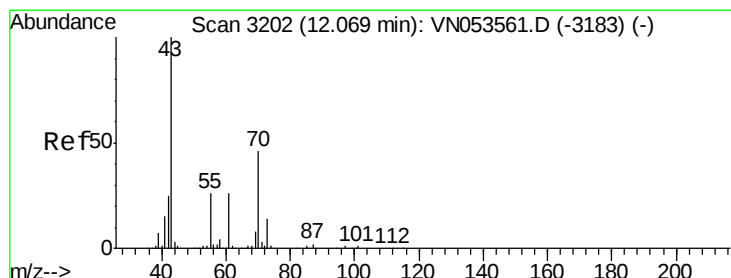
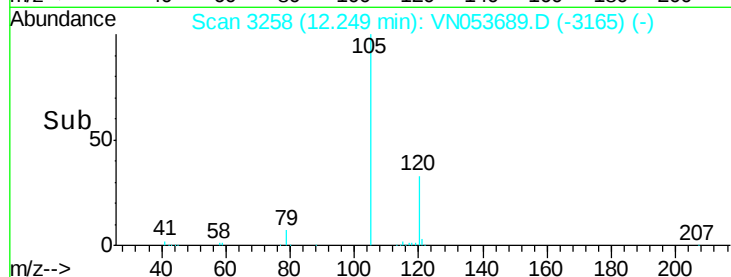
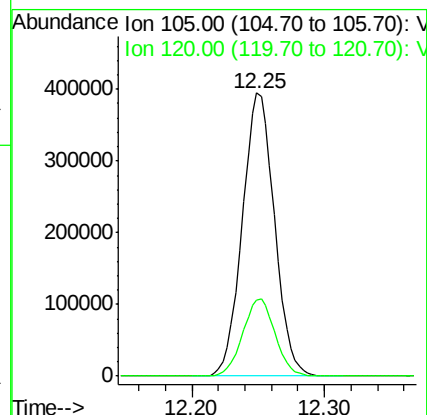
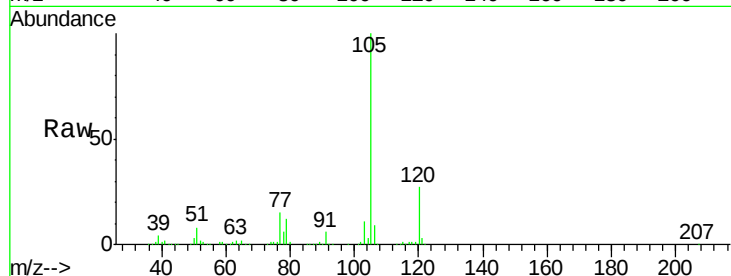
VN0208MBSD01

Tot Ion:105 Resp: 662978

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7



#74

N-ethyl acetate

Concen: 21.350 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Tgt Ion: 43 Resp: 165474

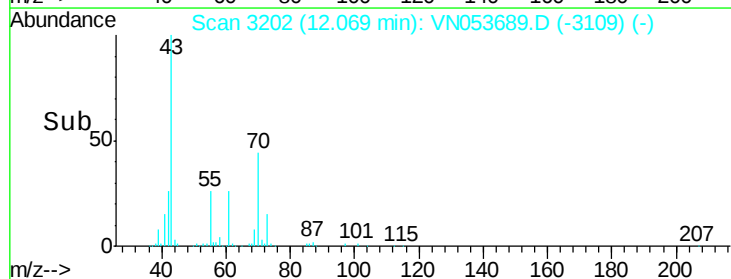
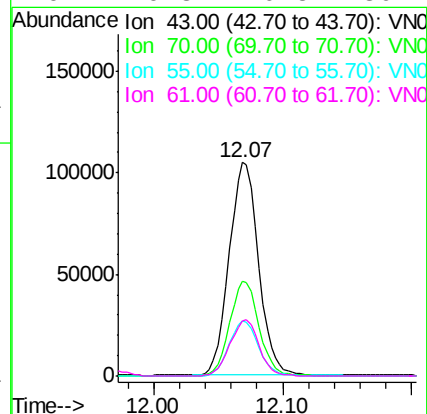
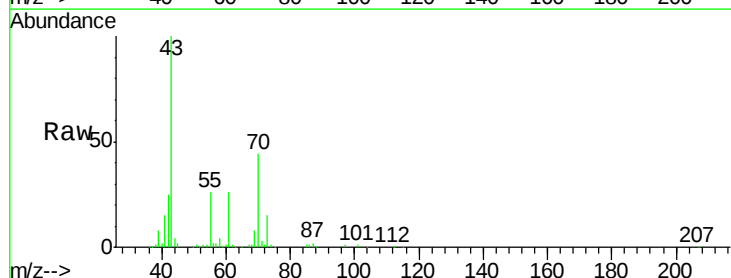
Ion Ratio Lower Upper

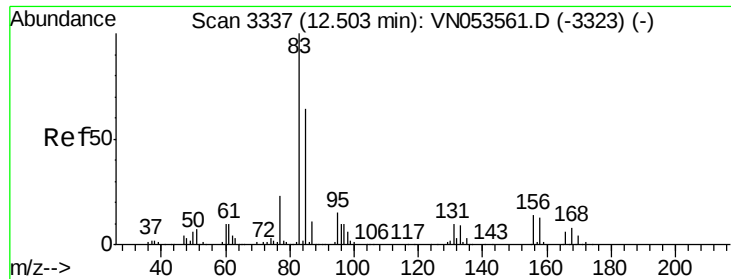
43 100

70 44.5 35.4 53.2

55 26.3 20.9 31.3

61 26.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.597 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

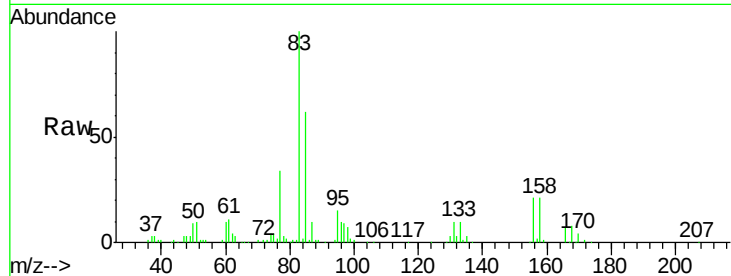
Tot Ion: 83 Resp: 158877

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

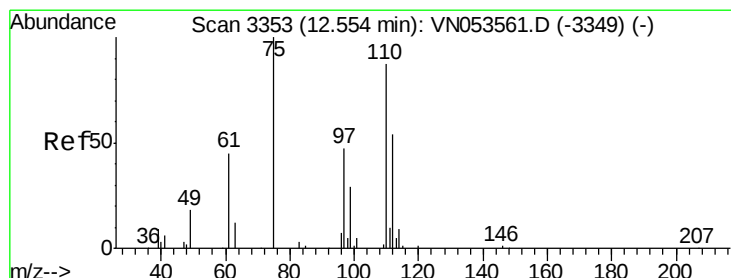
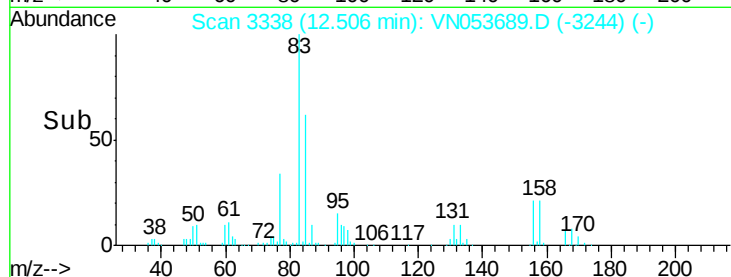
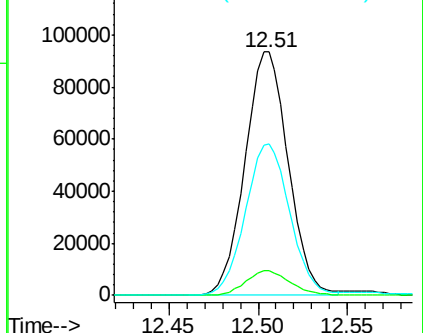
85 63.8 32.1 96.3



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: 32.207 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053689.D

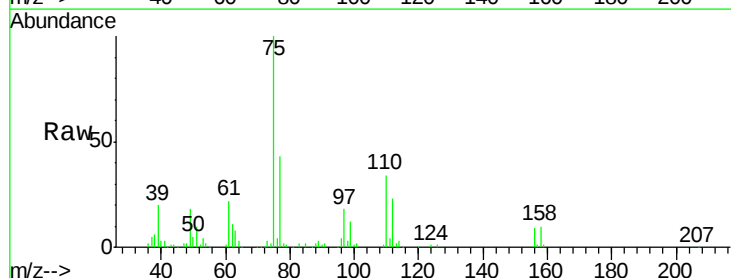
Acq: 8 Feb 2019 18:38

Tgt Ion: 75 Resp: 189663

Ion Ratio Lower Upper

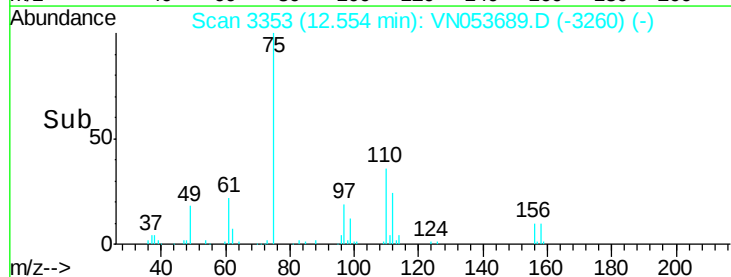
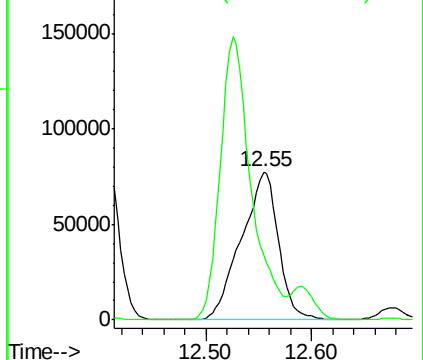
75 100

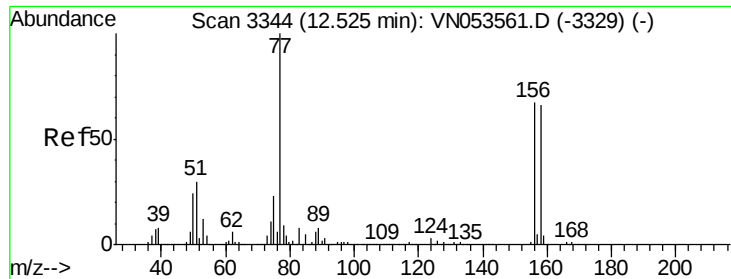
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.937 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

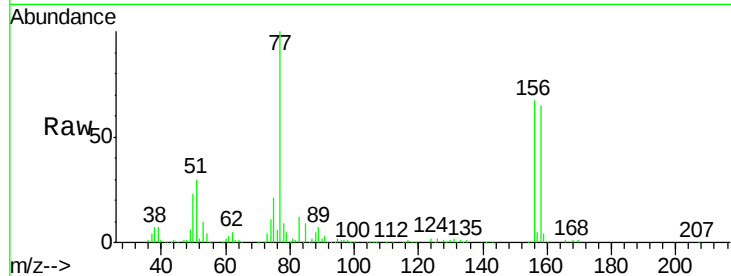
Tot Ion:156 Resp: 173181

Ion Ratio Lower Upper

156 100

77 174.8 87.9 263.8

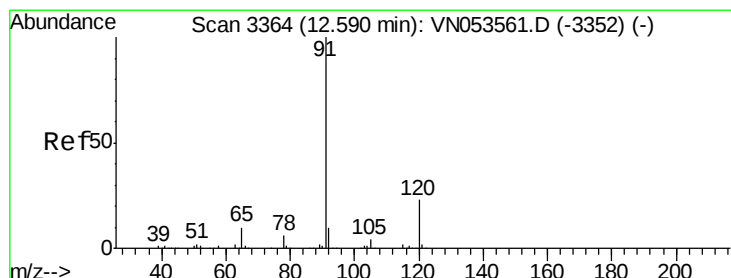
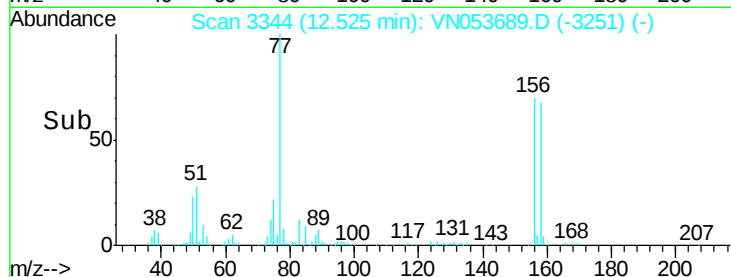
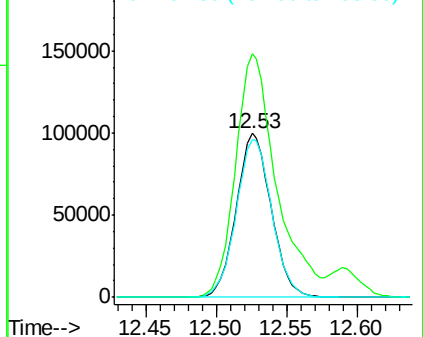
158 98.4 48.8 146.4



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: 20.158 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053689.D

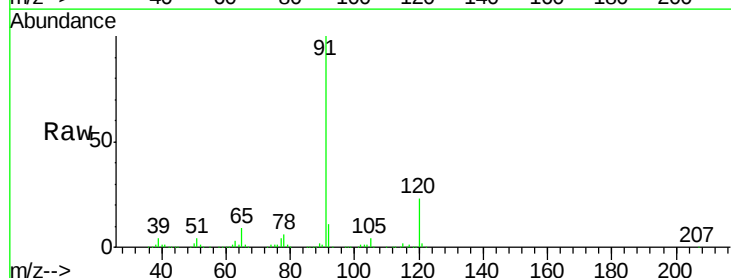
Acq: 8 Feb 2019 18:38

Tgt Ion: 91 Resp: 751072

Ion Ratio Lower Upper

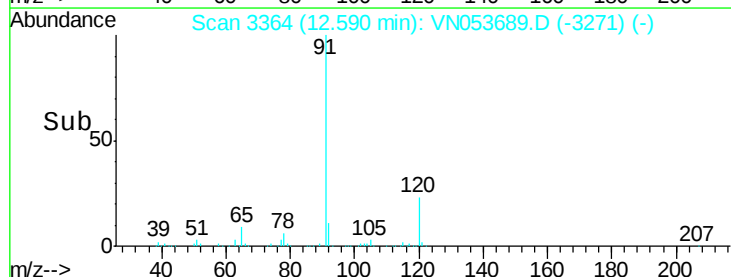
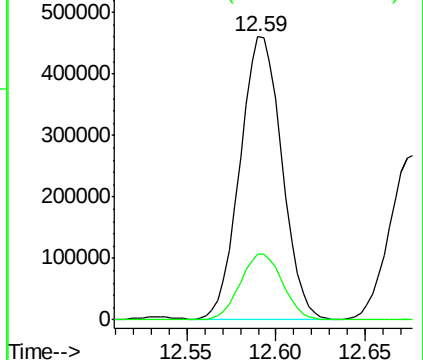
91 100

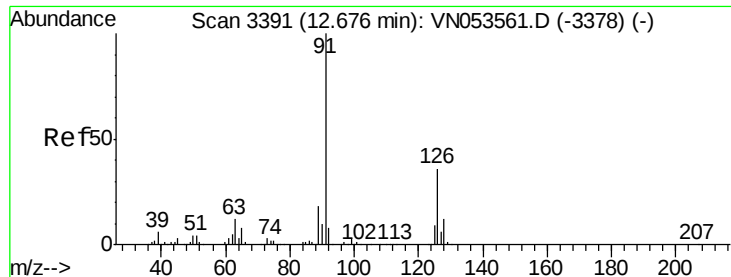
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.335 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

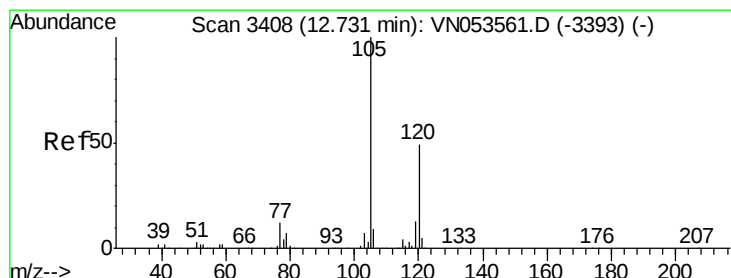
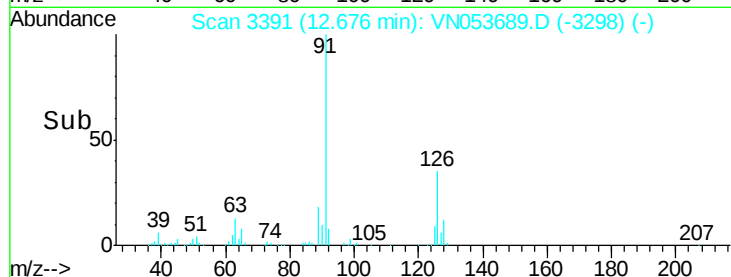
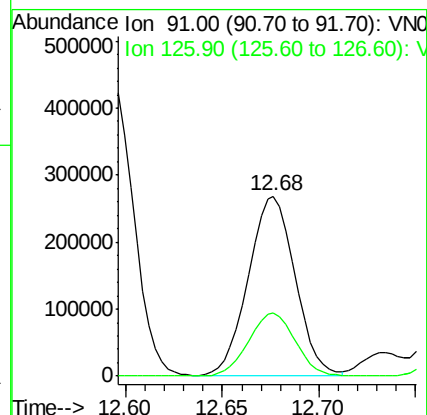
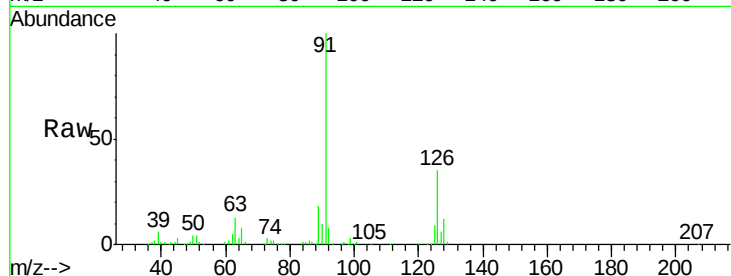
VN0208MBSD01

Tot Ion: 91 Resp: 449517

Ion Ratio Lower Upper

91 100

126 35.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 21.158 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053689.D

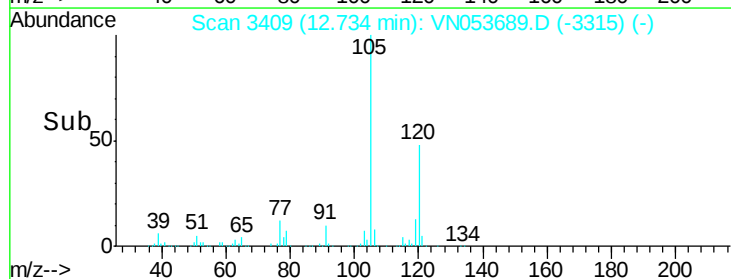
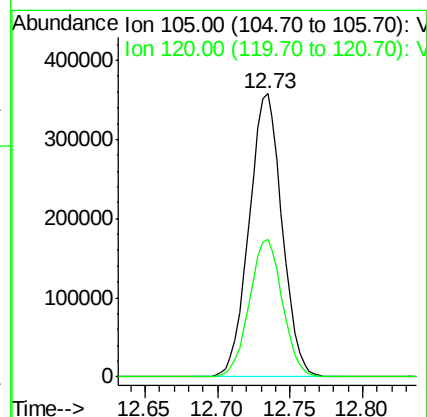
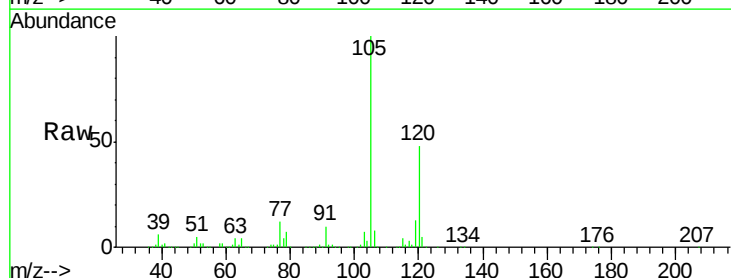
Acq: 8 Feb 2019 18:38

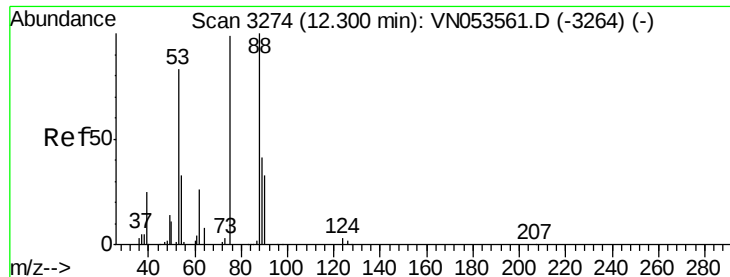
Tgt Ion: 105 Resp: 565500

Ion Ratio Lower Upper

105 100

120 48.8 24.9 74.6

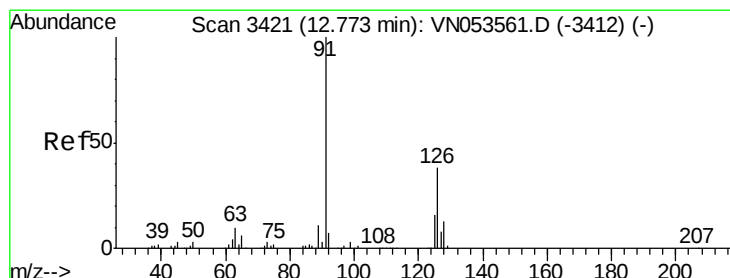
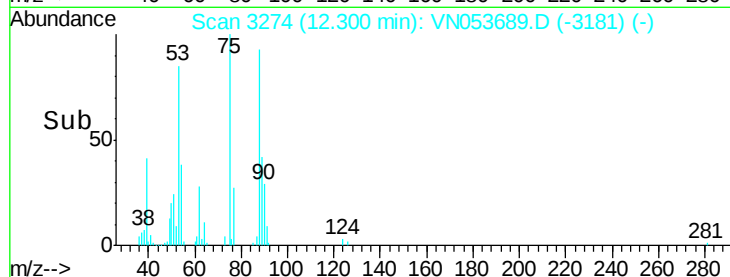
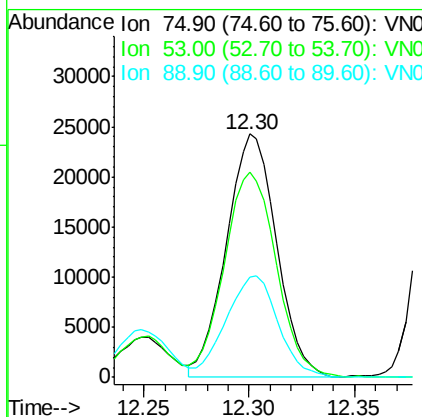
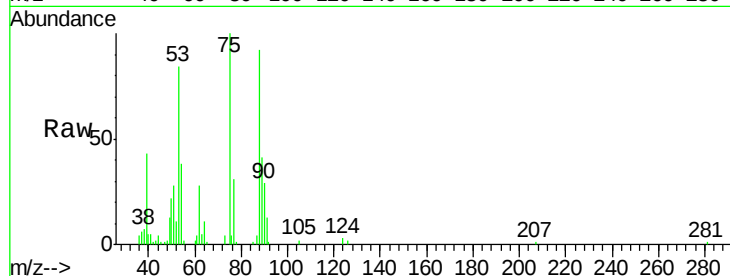




#81
trans-1,4-Dichloro-2-butene
Concen: 19.147 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

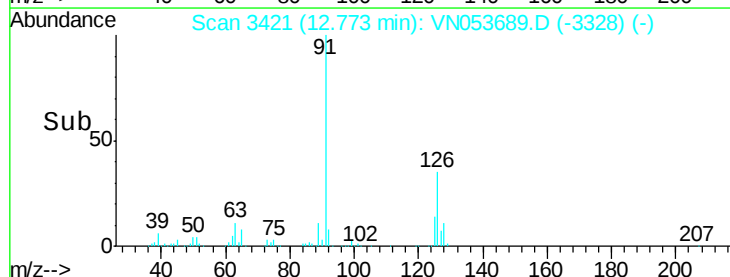
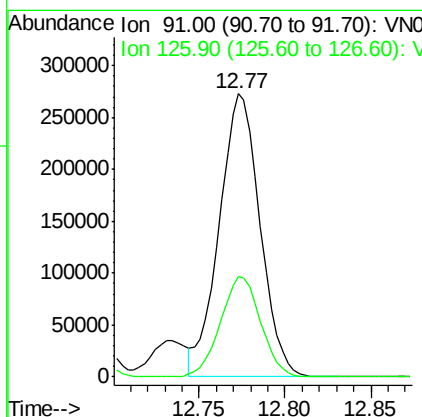
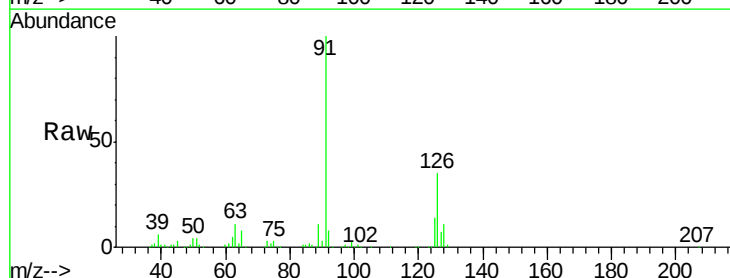
Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

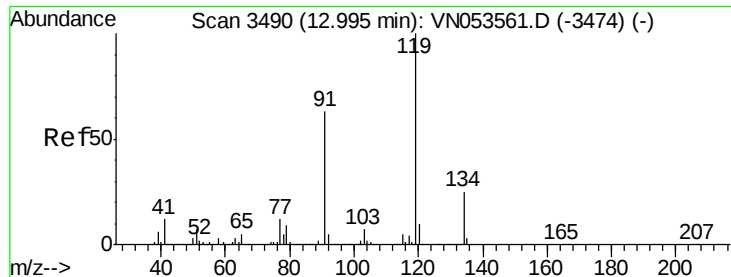
Tot Ion: 75 Resp: 40099
Ion Ratio Lower Upper
75 100
53 87.5 69.8 104.6
89 43.4 35.6 53.4



#82
4-Chlorotoluene
Concen: 19.842 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion: 91 Resp: 450075
Ion Ratio Lower Upper
91 100
126 35.1 17.6 52.9

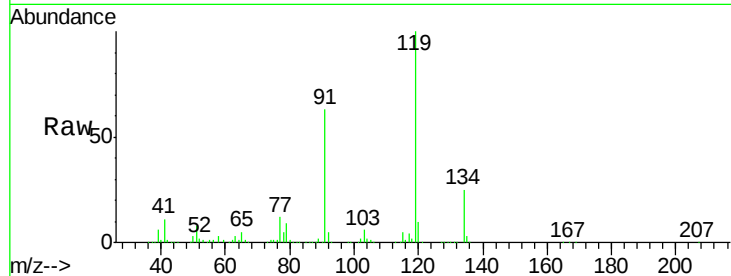




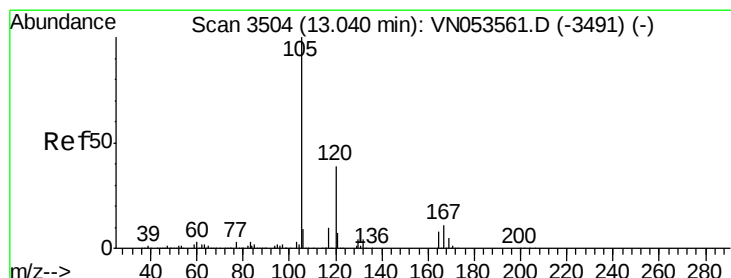
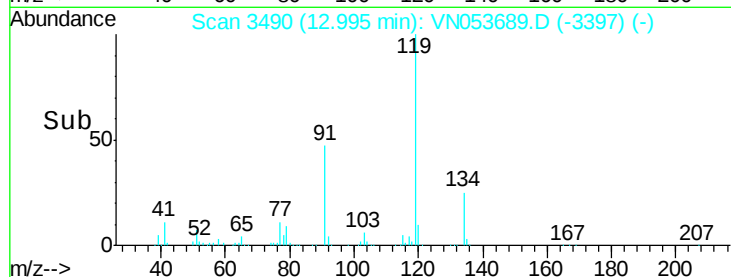
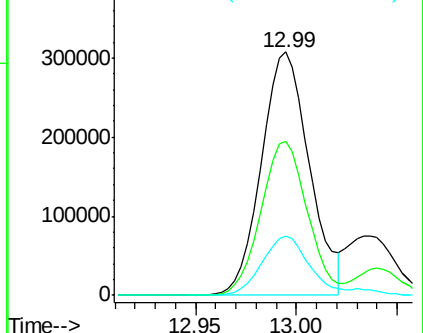
#83
tert-Butylbenzene
Concen: 21.570 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0208MBSD01

Tot Ion:119 Resp: 509534
Ion Ratio Lower Upper
119 100
91 61.7 31.3 93.8
134 25.5 12.9 38.7

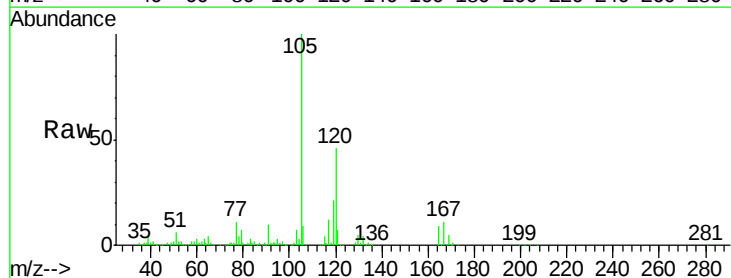


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

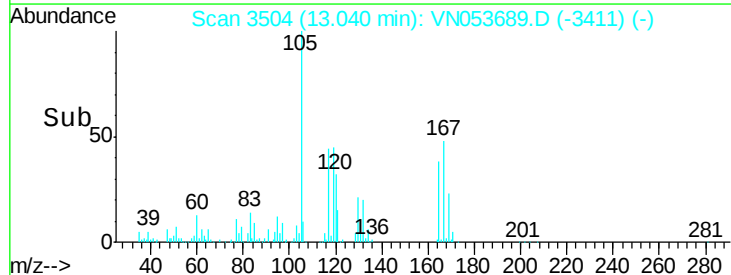
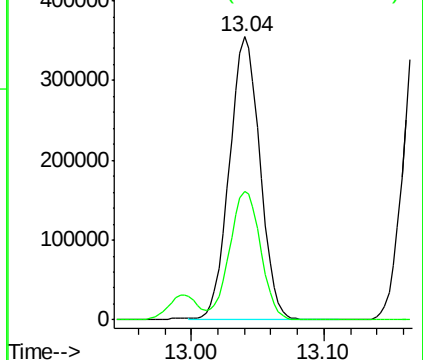


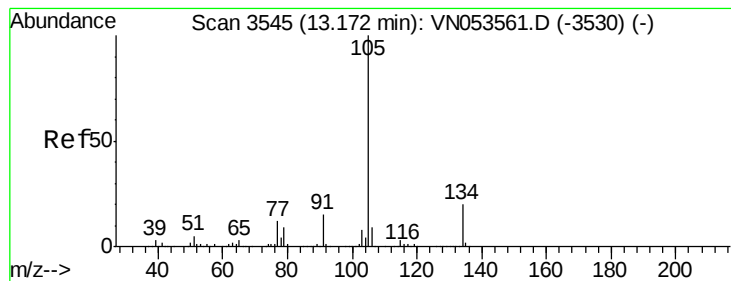
#84
1,2,4-Trimethylbenzene
Concen: 20.859 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053689.D
Acq: 8 Feb 2019 18:38

Tgt Ion:105 Resp: 567993
Ion Ratio Lower Upper
105 100
120 46.2 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 21.040 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

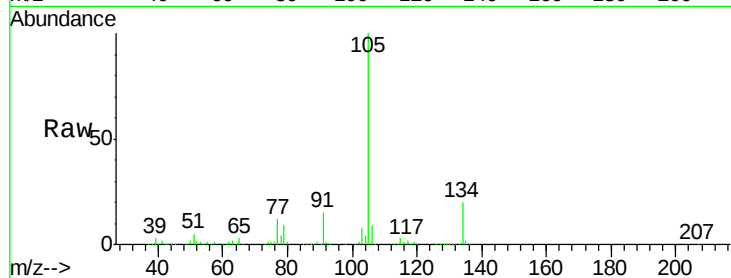
VN0208MBSD01

Tot Ion:105 Resp: 676315

Ion Ratio Lower Upper

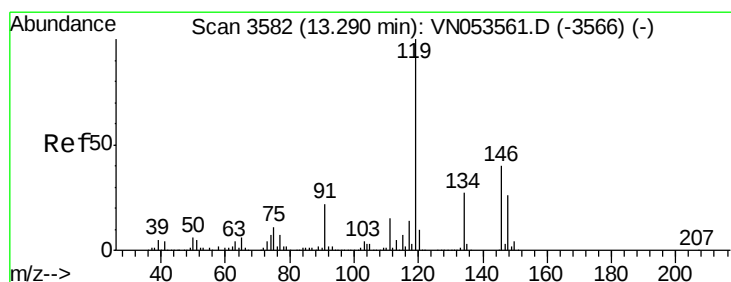
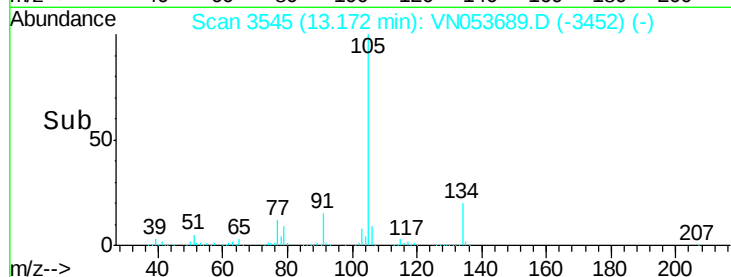
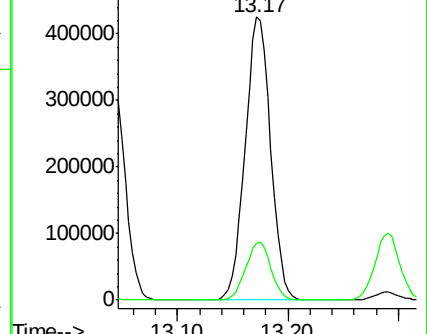
105 100

134 20.4 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.720 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

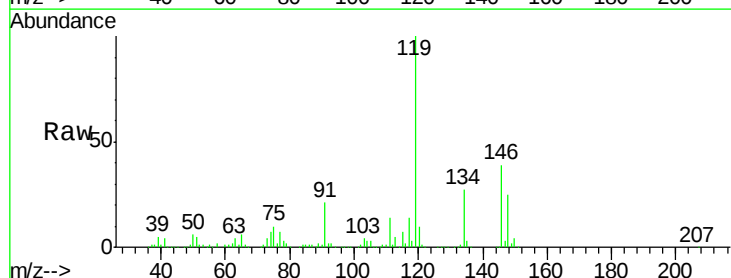
Tgt Ion:119 Resp: 582501

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

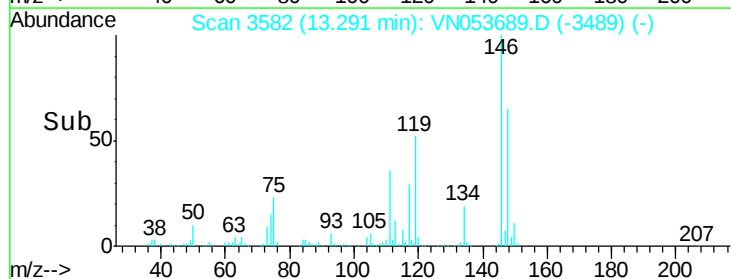
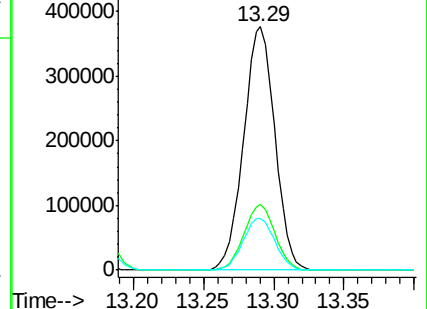
91 21.9 11.0 33.0

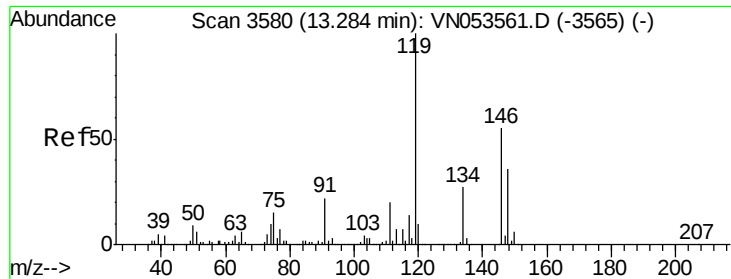


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

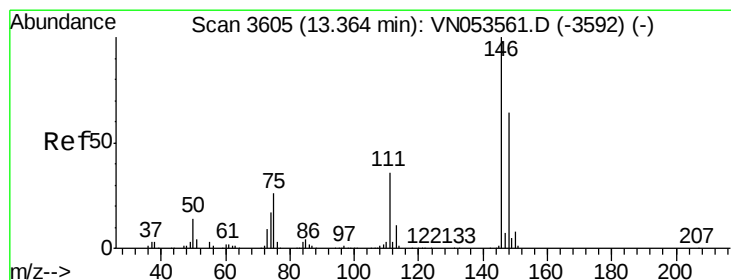
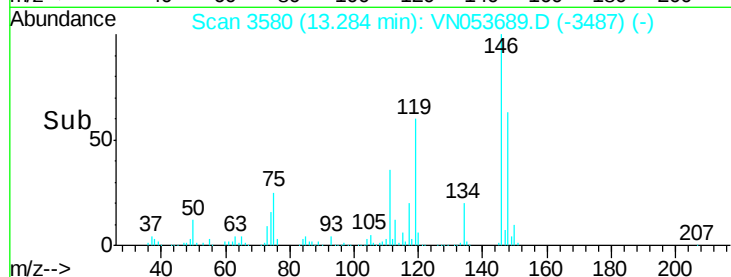
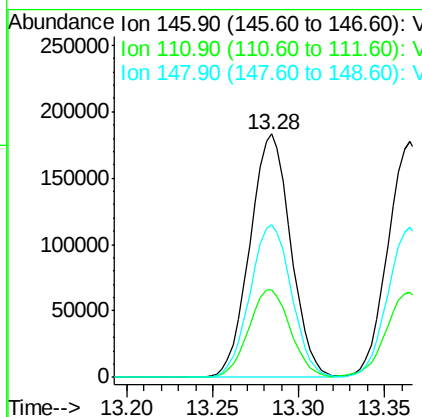
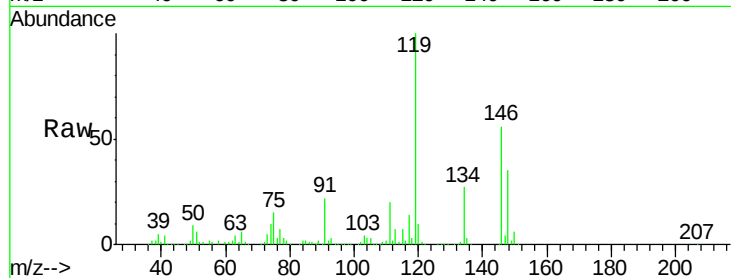




#87
 1,3-Dichlorobenzene
 Concen: 19.299 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

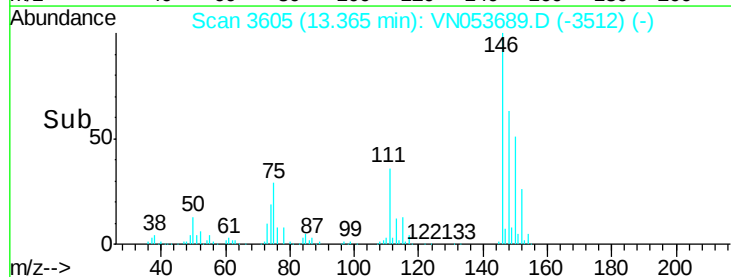
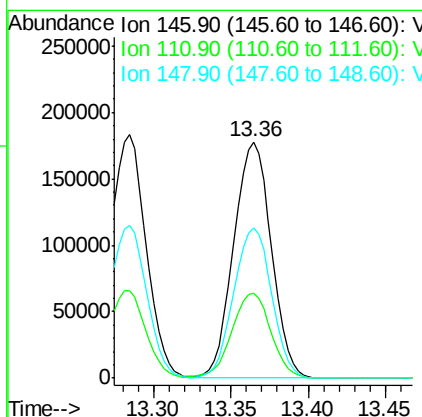
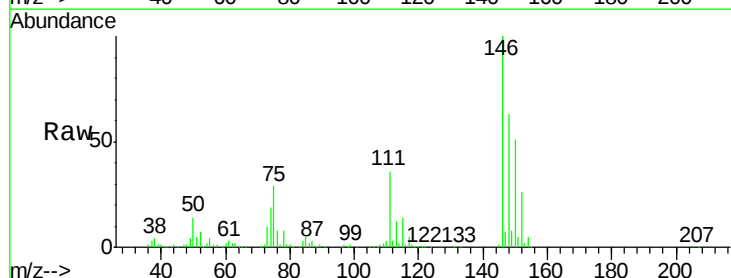
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208MBSD01

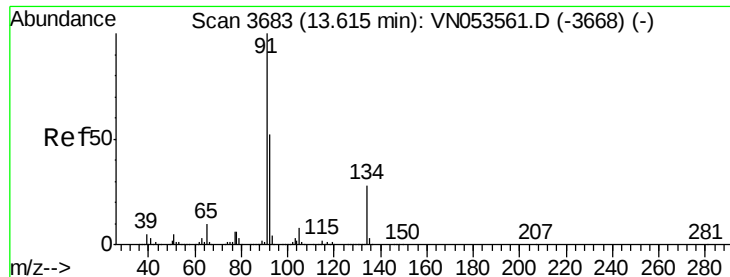
Tot Ion:146 Resp: 301350
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.3
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.506 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

Tgt Ion:146 Resp: 301298
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.0 32.4 97.0





#89

n-Butylbenzene

Concen: 19.277 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

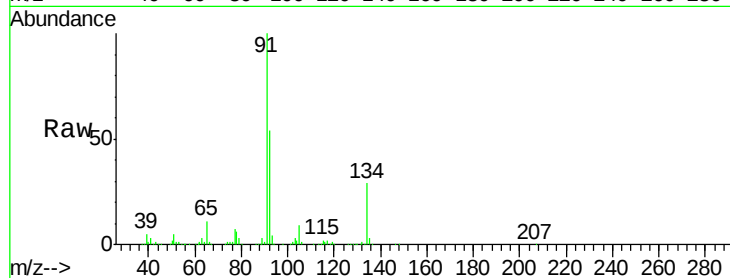
Tot Ion: 91 Resp: 469096

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.8

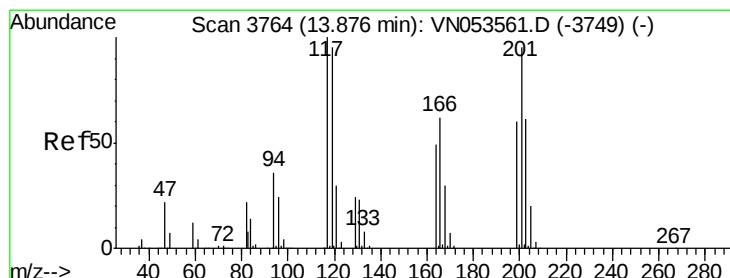
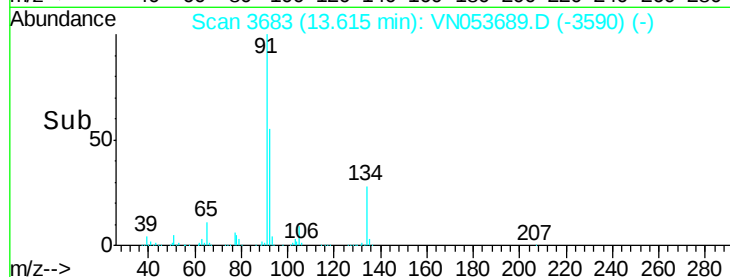
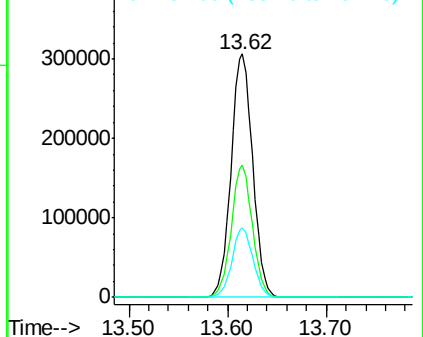
134 27.7 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.317 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053689.D

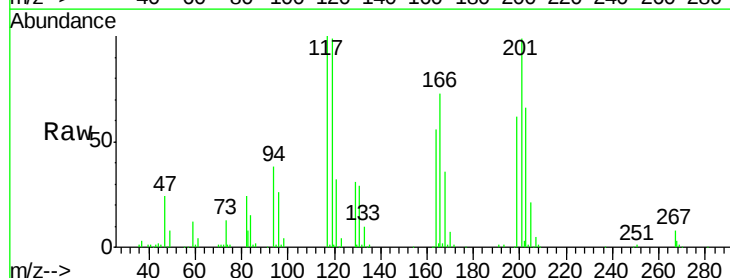
Acq: 8 Feb 2019 18:38

Tgt Ion: 117 Resp: 94214

Ion Ratio Lower Upper

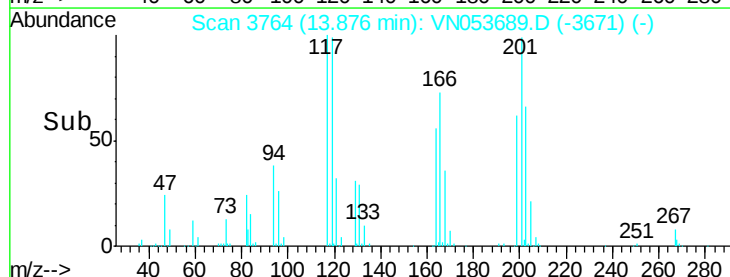
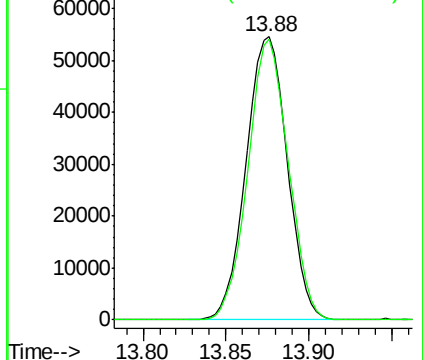
117 100

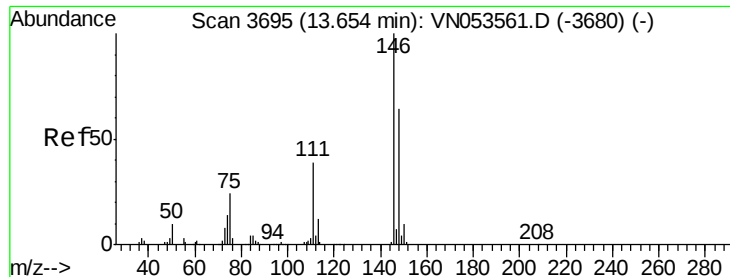
201 96.9 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)

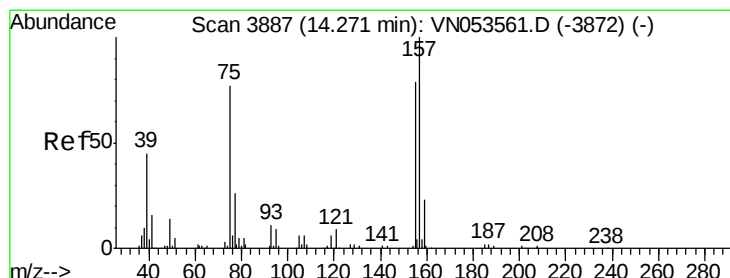
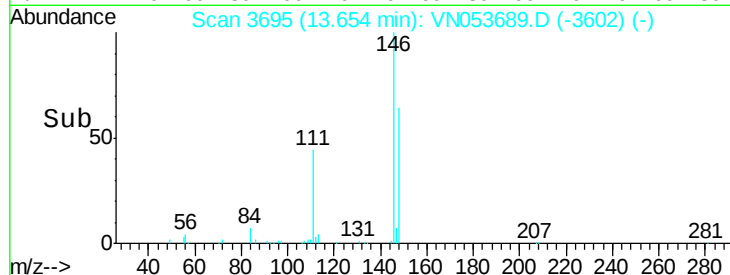
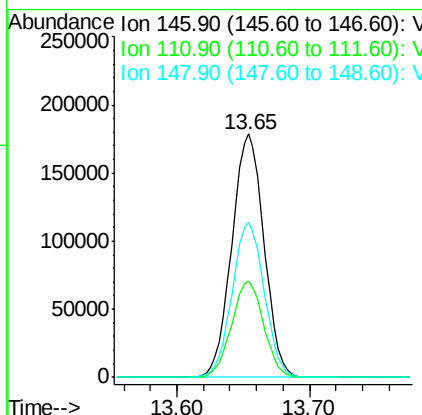
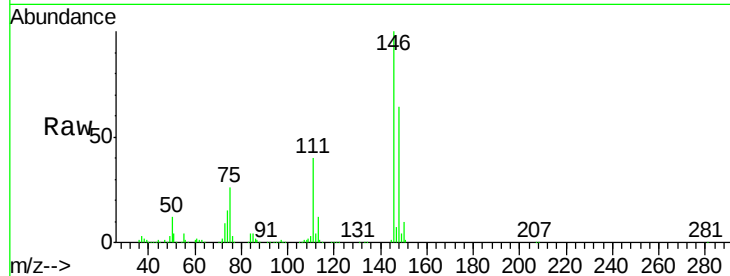




#91
 1,2-Dichlorobenzene
 Concen: 20.141 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

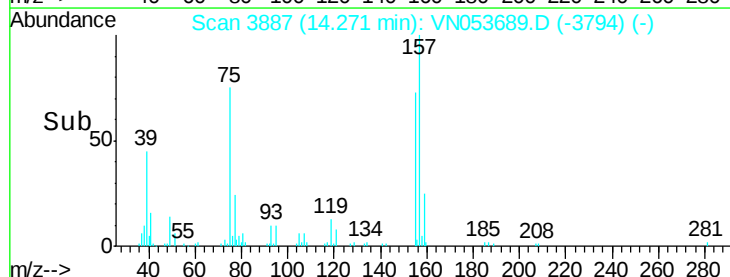
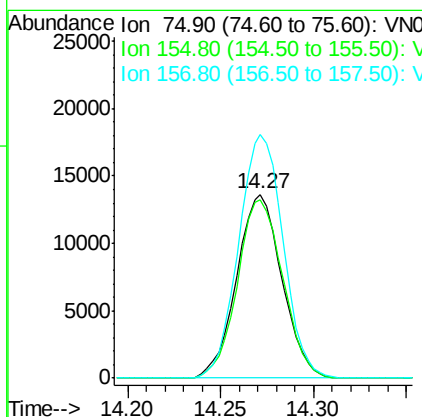
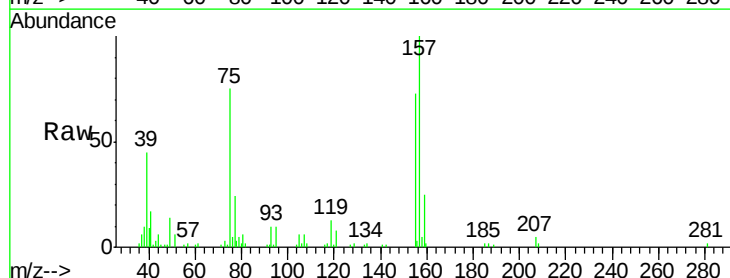
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208MBS01

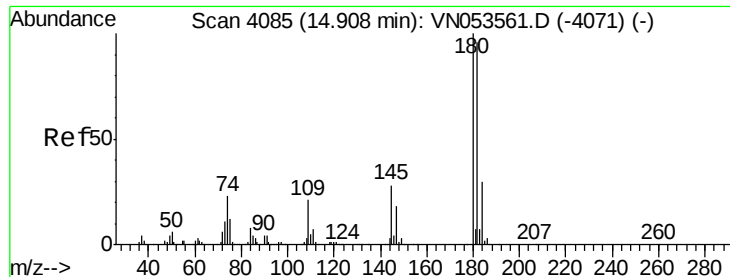
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	63.4	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.980 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053689.D
 Acq: 8 Feb 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	48.9	146.7
157	130.2	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 18.716 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

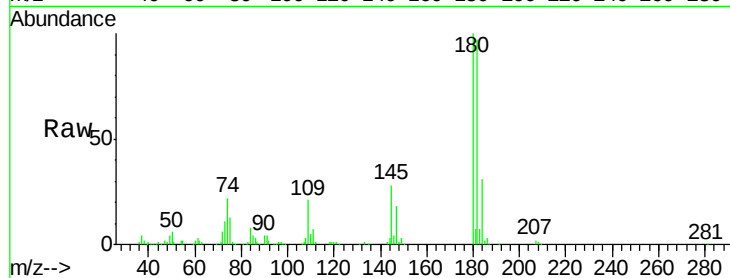
Tot Ion:180 Resp: 160463

Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.3

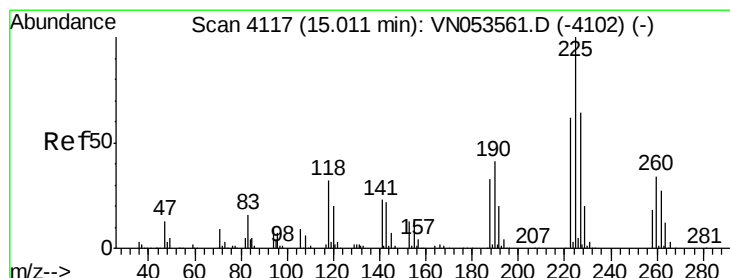
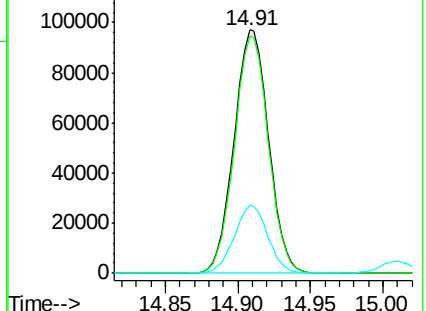
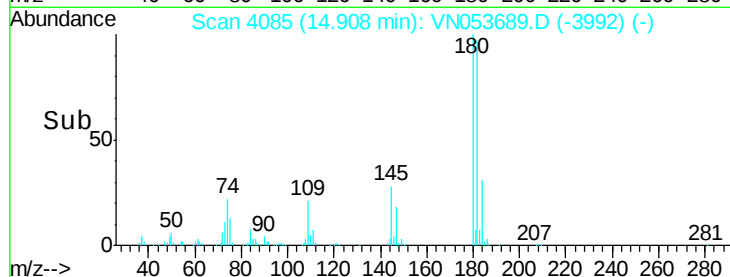
145 27.1 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.844 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

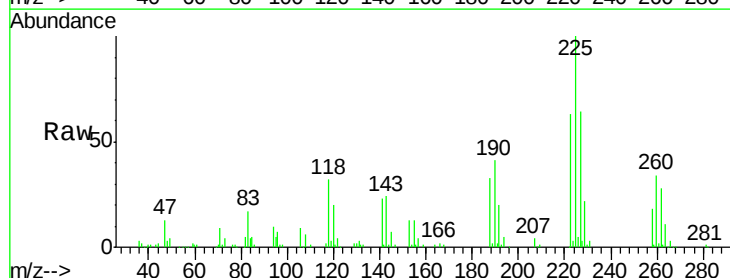
Tgt Ion:225 Resp: 105954

Ion Ratio Lower Upper

225 100

223 62.2 31.1 93.2

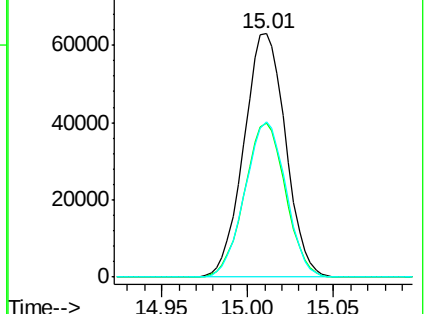
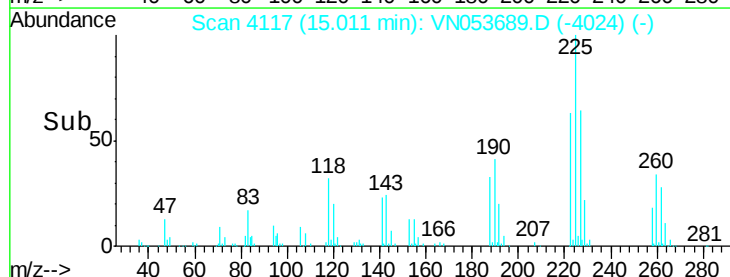
227 62.7 32.0 96.2

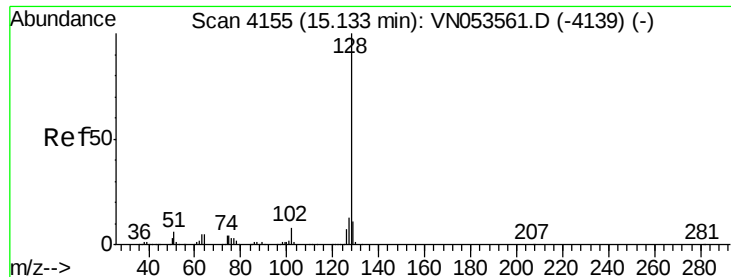


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.321 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0208MBSD01

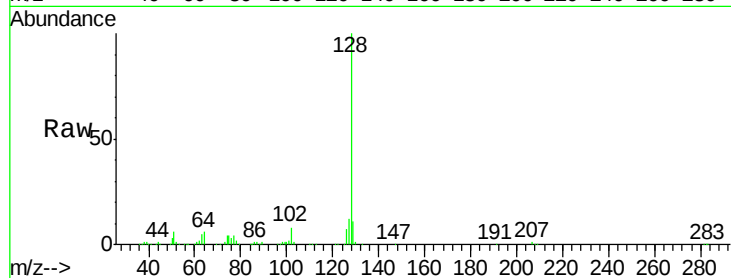
Tot Ion:128 Resp: 346045

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

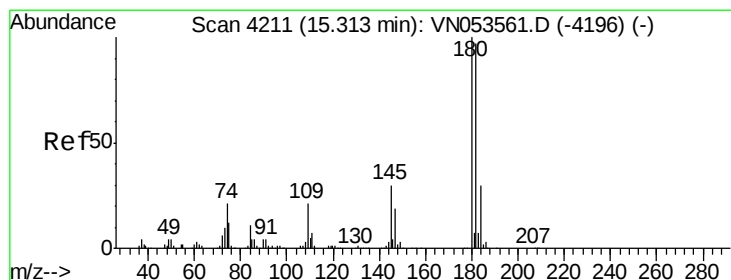
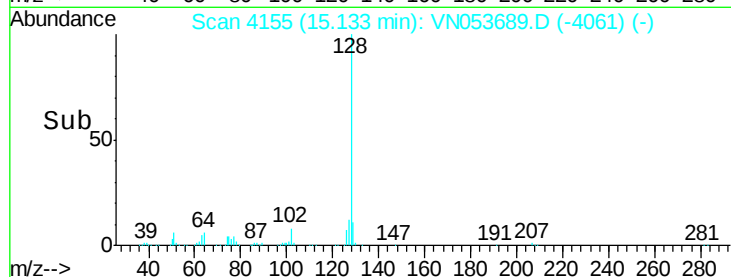
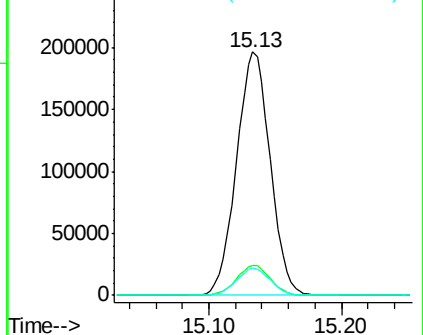
129 11.1 8.6 13.0



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: 19.665 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053689.D

Acq: 8 Feb 2019 18:38

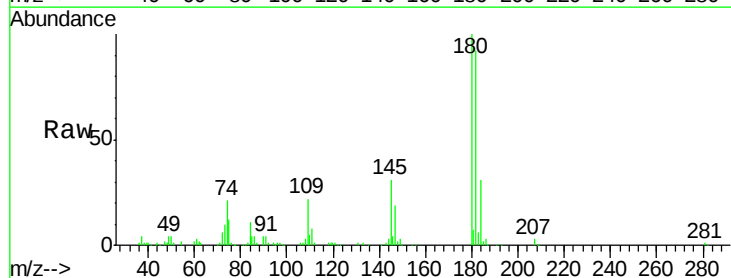
Tgt Ion:180 Resp: 156444

Ion Ratio Lower Upper

180 100

182 94.2 47.9 143.8

145 30.5 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

