

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053815.D
 Acq On : 15 Feb 2019 22:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 23:29:24 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	610710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	951094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	839777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	408152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	316877	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	309534	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.09	98	1121686	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	380249	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	295323	42.942	ug/l	100
3) Chloromethane	2.06	50	346574	47.801	ug/l	99
4) Vinyl Chloride	2.19	62	354611	50.384	ug/l	100
5) Bromomethane	2.57	94	244700	53.173	ug/l	97
6) Chloroethane	2.71	64	222323	55.277	ug/l	97
7) Trichlorofluoromethane	3.02	101	494409	51.801	ug/l	99
8) Diethyl Ether	3.41	74	170690	48.969	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	284416	48.184	ug/l	97
10) Methyl Iodide	3.96	142	425092	45.883	ug/l	100
11) Tert butyl alcohol	4.77	59	96761	266.863	ug/l	98
12) 1,1-Dichloroethene	3.74	96	267933	47.377	ug/l	98
13) Acrolein	3.61	56	45190	228.911	ug/l	100
14) Allyl chloride	4.33	41	427584	47.486	ug/l	98
15) Acrylonitrile	4.99	53	522745	267.057	ug/l	99
16) Acetone	3.81	43	337865	214.997	ug/l	97
17) Carbon Disulfide	4.06	76	711576	40.409	ug/l	100
18) Methyl Acetate	4.33	43	269040	57.808	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	767732	53.551	ug/l	99
20) Methylene Chloride	4.55	84	313978	47.623	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	289359	47.426	ug/l	98
22) Diisopropyl ether	5.95	45	867162	51.974	ug/l	95
23) Vinyl Acetate	5.90	43	2919975	252.984	ug/l	98
24) 1,1-Dichloroethane	5.85	63	549221	49.353	ug/l	100
25) 2-Butanone	6.83	43	550447	245.594	ug/l	98
26) 2,2-Dichloropropane	6.83	77	377348	44.420	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	338981	49.964	ug/l	97
28) Bromochloromethane	7.19	49	248923	51.544	ug/l	94
29) Tetrahydrofuran	7.21	42	380050	264.071	ug/l	98
30) Chloroform	7.37	83	555253	50.333	ug/l	100
31) Cyclohexane	7.65	56	462870	44.656	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	463034	50.436	ug/l	100
36) 1,1-Dichloropropene	7.79	75	397336	46.345	ug/l	98
37) Ethyl Acetate	6.93	43	248125	51.819	ug/l	98
38) Carbon Tetrachloride	7.78	117	415841	48.147	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	464468	45.663	ug/l	98
40) Benzene	8.04	78	1254739	47.459	ug/l	100
41) Methacrylonitrile	7.17	41	135047	50.462	ug/l	91
42) 1,2-Dichloroethane	8.12	62	379995	48.406	ug/l	99
43) Isopropyl Acetate	8.16	43	448820	48.535	ug/l	99
44) Trichloroethene	8.84	130	346242	46.001	ug/l	97
45) 1,2-Dichloropropane	9.12	63	343480	50.794	ug/l	99
46) Dibromomethane	9.21	93	199519	48.945	ug/l	97
47) Bromodichloromethane	9.40	83	425195	50.167	ug/l	98
48) Methyl methacrylate	9.20	41	211062	47.815	ug/l	92
49) 1,4-Dioxane	9.20	88	63342	990.703	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	1201671	264.443	ug/l	100
52) Toluene	10.16	92	760382	48.459	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	413265	48.693	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	487081	48.432	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	288088	50.951	ug/l	98
56) Ethyl methacrylate	10.43	69	351169	52.501	ug/l	99
57) 1,3-Dichloropropane	10.71	76	480883	49.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	781849	190.447	ug/l	98
59) 2-Hexanone	10.75	43	751214	243.514	ug/l	99
60) Dibromochloromethane	10.90	129	339273	53.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	271615	48.535	ug/l	99
64) Tetrachloroethene	10.63	164	338108	46.968	ug/l	98
65) Chlorobenzene	11.44	112	846109	47.434	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	318700	51.158	ug/l	100
67) Ethyl Benzene	11.51	91	1406872	48.013	ug/l	99
68) m/p-Xylenes	11.62	106	1095243	97.934	ug/l	99
69) o-Xylene	11.95	106	535151	49.531	ug/l	99
70) Styrene	11.97	104	869196	49.635	ug/l	99
71) Bromoform	12.13	173	230387	53.943	ug/l #	99
73) Isopropylbenzene	12.25	105	1403767	48.924	ug/l	100
74) N-amyl acetate	12.07	43	344374	49.912	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	338018	49.225	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	407162	77.666	ug/l #	100
77) Bromobenzene	12.53	156	375891	48.610	ug/l	97
78) n-propylbenzene	12.59	91	1605395	48.401	ug/l	100
79) 2-Chlorotoluene	12.68	91	955583	48.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1199507	50.414	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	87041	46.687	ug/l	98
82) 4-Chlorotoluene	12.77	91	969885	48.031	ug/l	100
83) tert-Butylbenzene	12.99	119	1065524	50.670	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1211063	49.960	ug/l	100
85) sec-Butylbenzene	13.17	105	1434947	50.144	ug/l	99
86) p-Isopropyltoluene	13.29	119	1264194	50.512	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	660730	47.531	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	646918	47.046	ug/l	99
89) n-Butylbenzene	13.62	91	1039883	48.003	ug/l	100
90) Hexachloroethane	13.88	117	218175	52.850	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	653116	49.077	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50757	51.865	ug/l	99

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QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

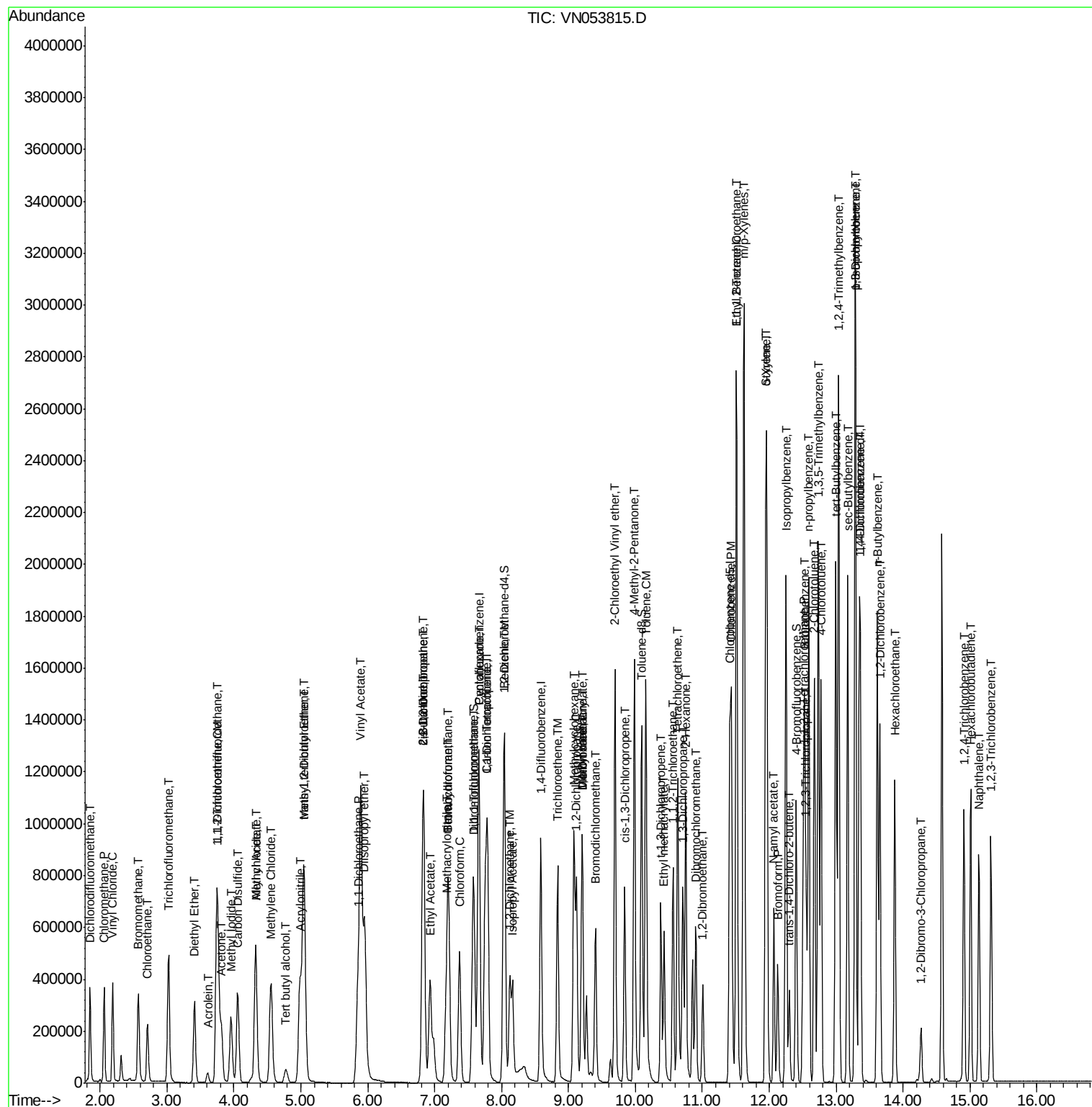
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	379576	49.731	ug/l	99
94) Hexachlorobutadiene	15.01	225	249229	52.433	ug/l	100
95) Naphthalene	15.13	128	783221	43.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	366489	51.749	ug/l	99

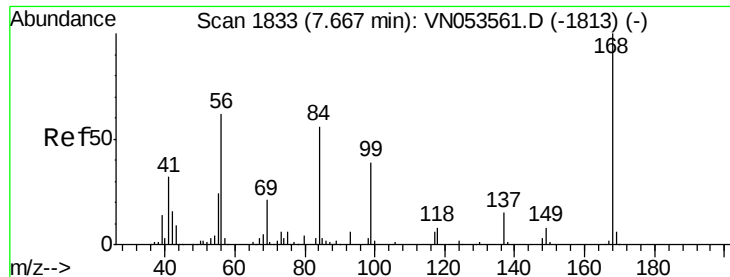
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053815.D
 Acq On : 15 Feb 2019 22:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 23:03:14 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

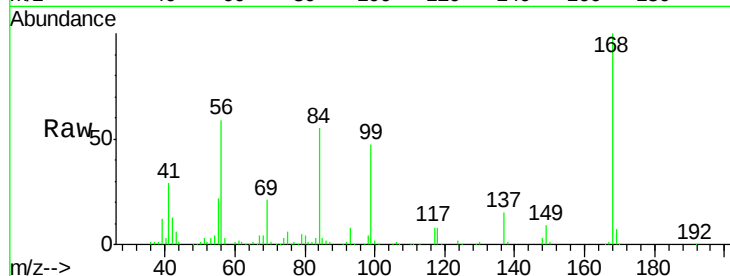
ClientSampleId :

Tot Ion:168 Resp: 610710

Ion Ratio Lower Upper

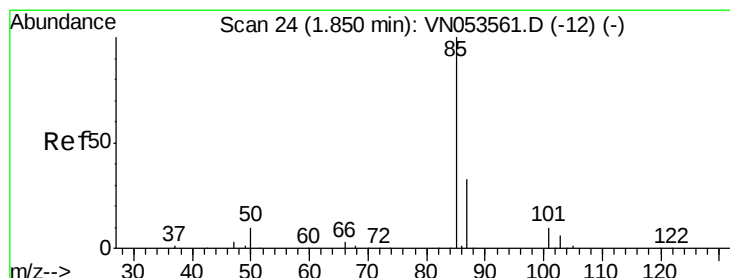
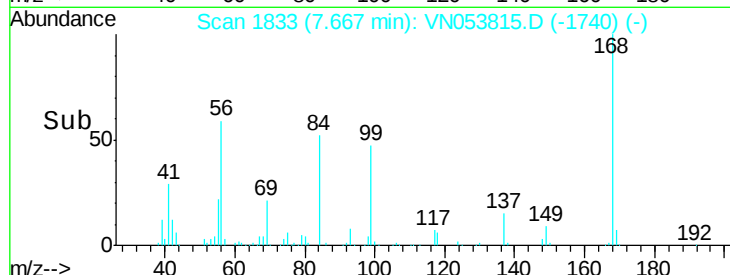
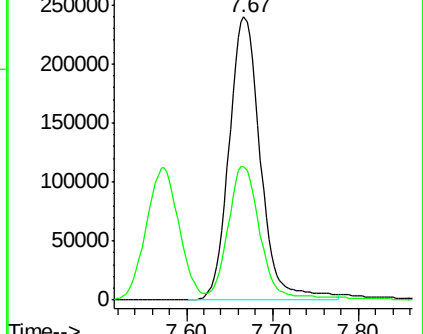
168 100

99 46.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.942 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053815.D

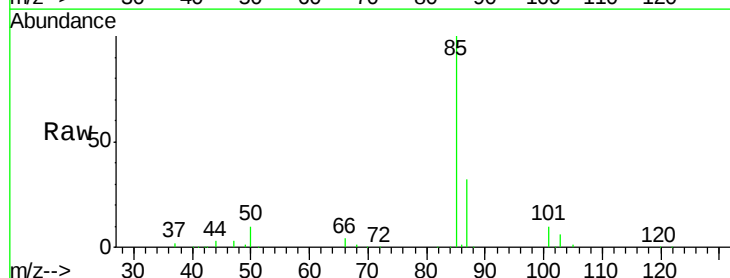
Acq: 15 Feb 2019 22:26

Tgt Ion: 85 Resp: 295323

Ion Ratio Lower Upper

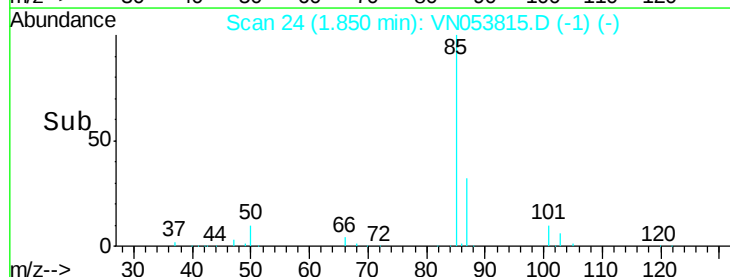
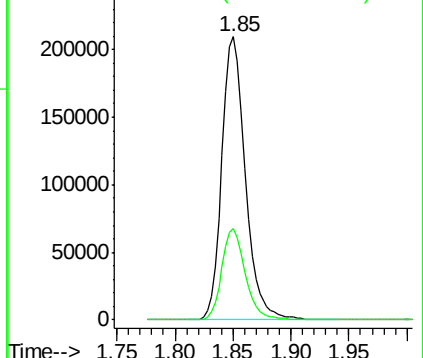
85 100

87 32.2 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: 47.801 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

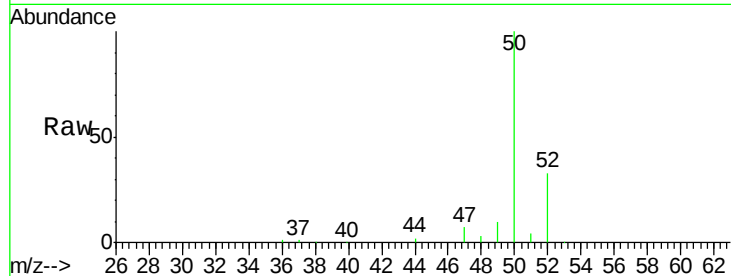
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 346574

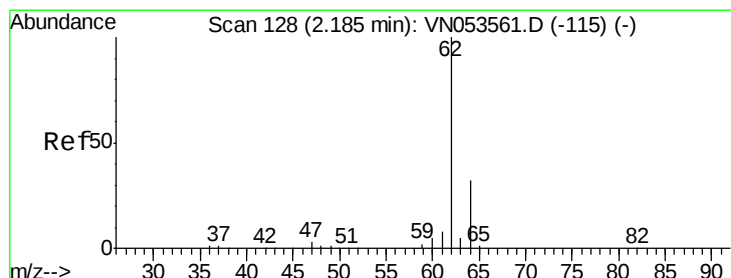
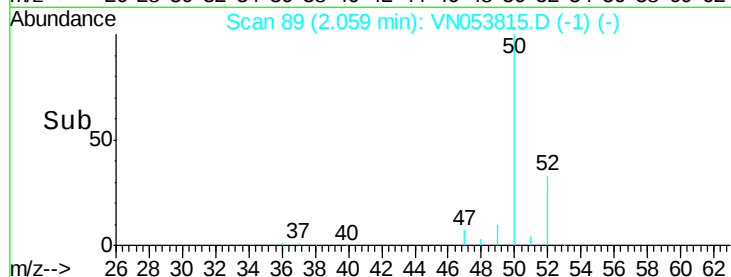
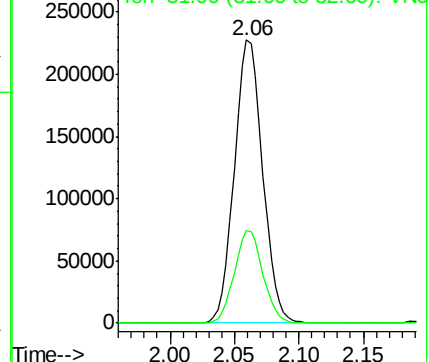
Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0



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



#4

Vinyl Chloride

Concen: 50.384 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053815.D

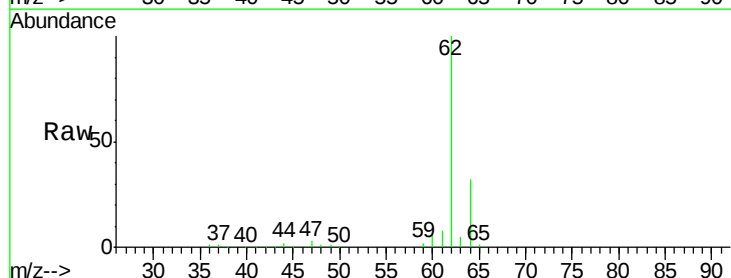
Acq: 15 Feb 2019 22:26

Tgt Ion: 62 Resp: 354611

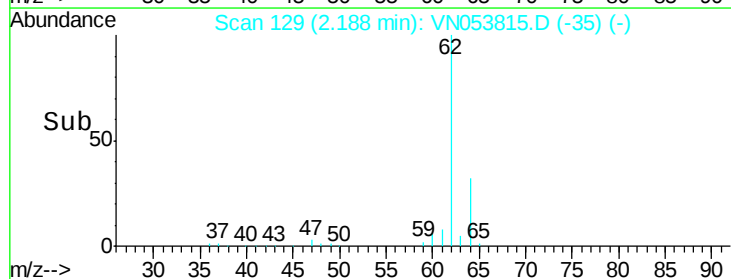
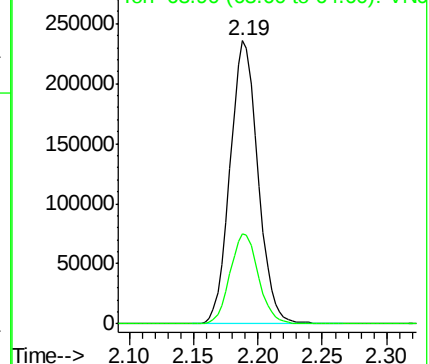
Ion Ratio Lower Upper

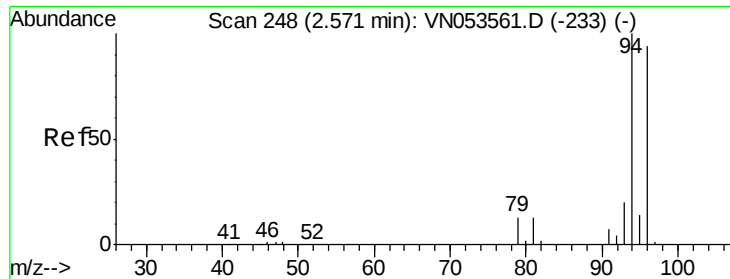
62 100

64 31.6 25.4 38.2



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





#5

Bromomethane

Concen: 53.173 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

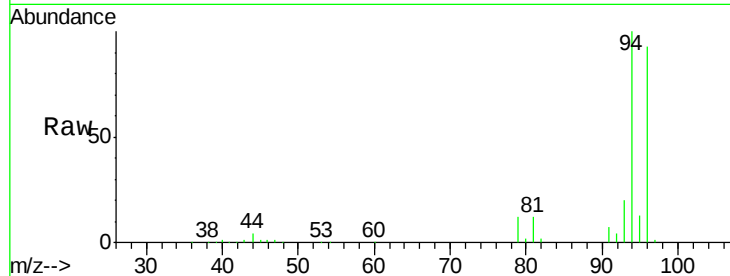
ClientSampled :

Tot Ion: 94 Resp: 244700

Ion Ratio Lower Upper

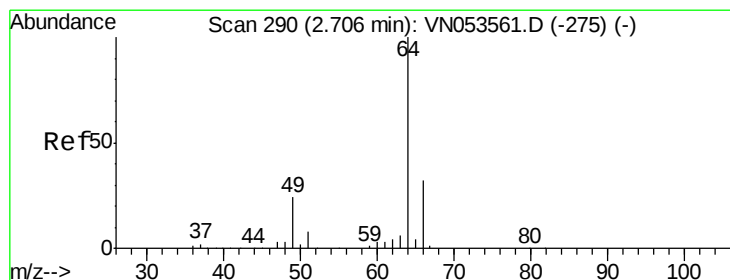
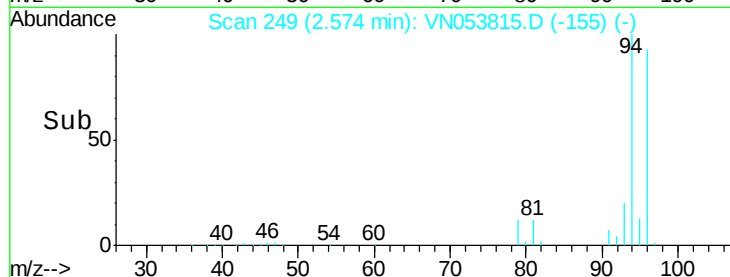
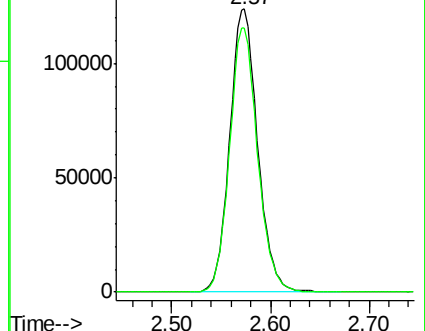
94 100

96 93.2 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 55.277 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053815.D

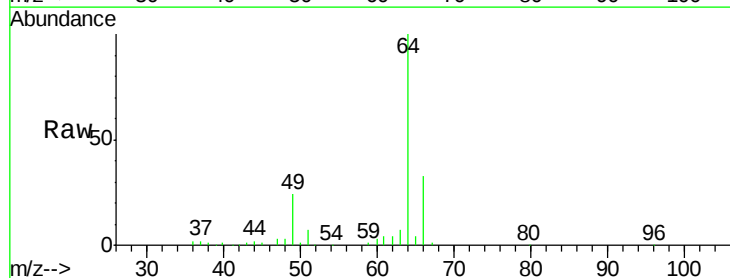
Acq: 15 Feb 2019 22:26

Tgt Ion: 64 Resp: 222323

Ion Ratio Lower Upper

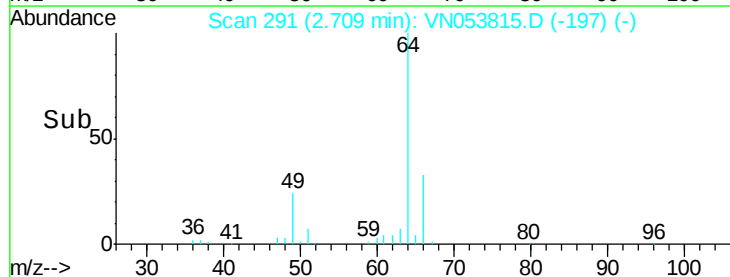
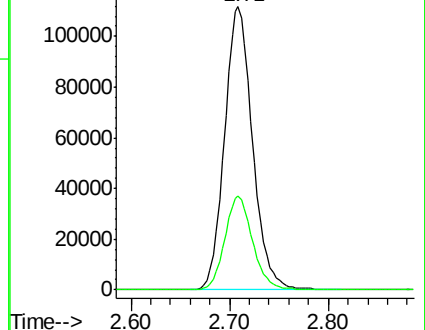
64 100

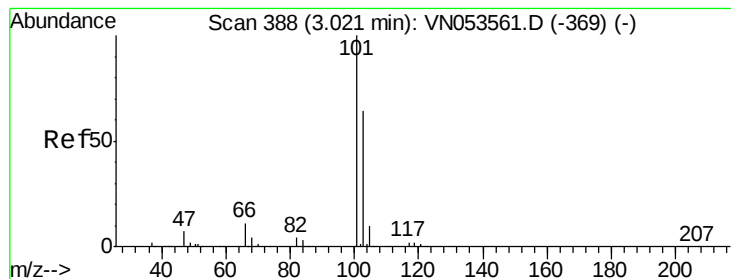
66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



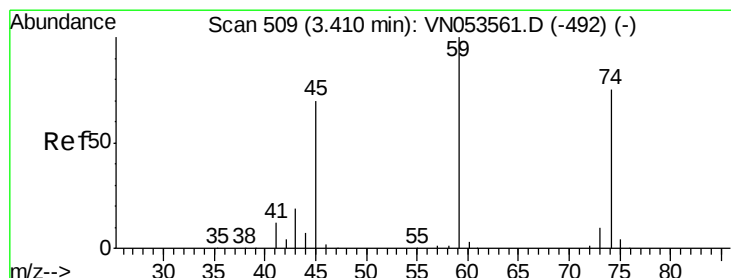
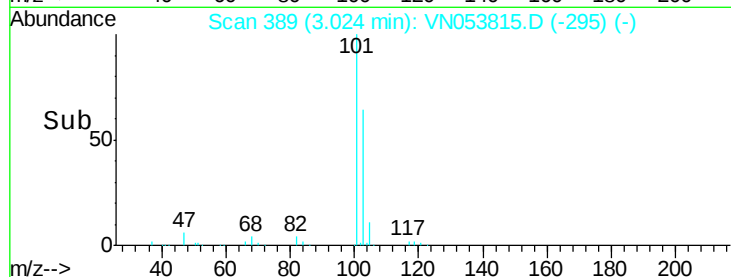
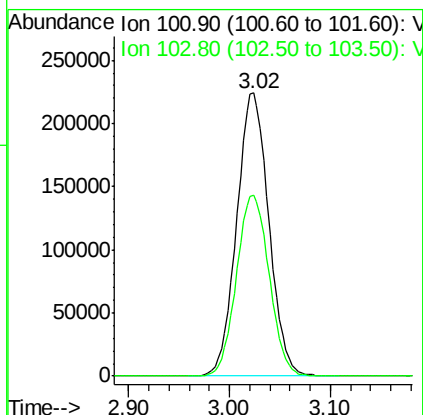
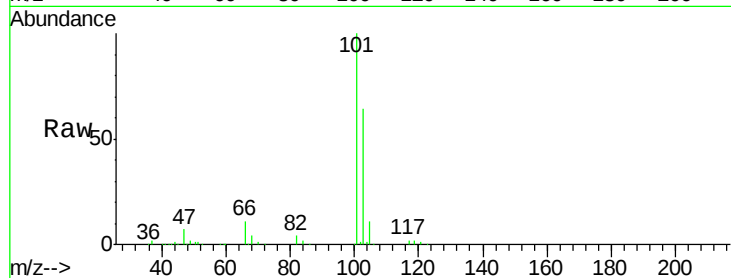


#7

Trichlorofluoromethane
 Concen: 51.801 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampled :

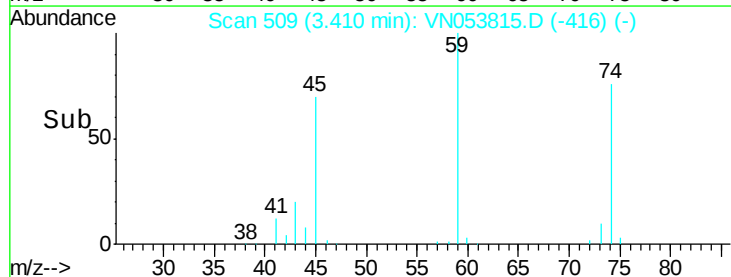
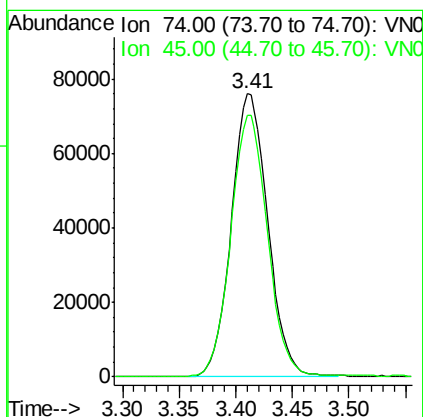
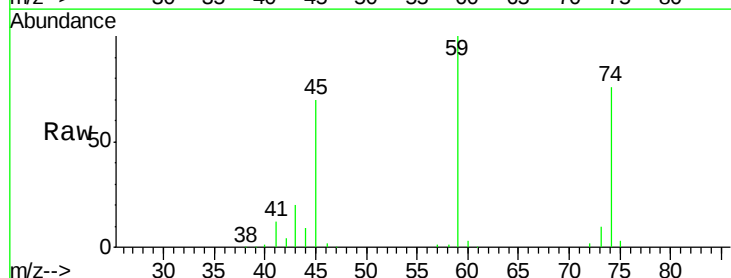
Tot Ion:101 Resp: 494409
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.6 77.4

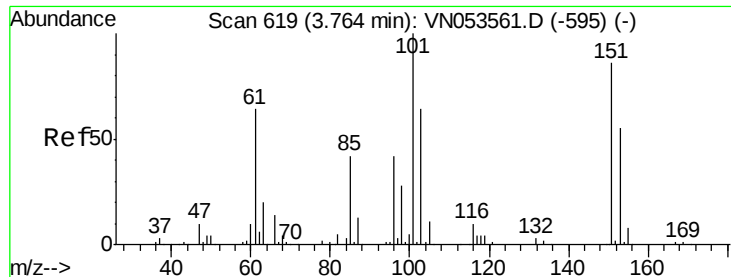


#8

Diethyl Ether
 Concen: 48.969 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 74 Resp: 170690
 Ion Ratio Lower Upper
 74 100
 45 93.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.184 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

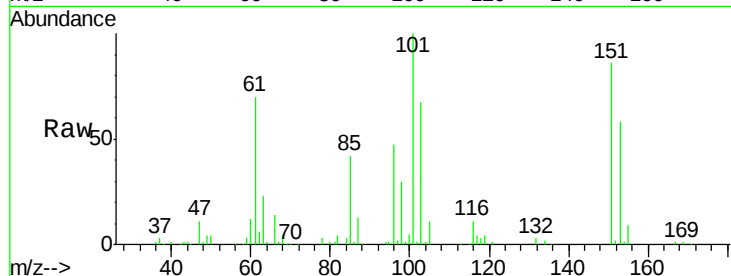
Tot Ion:101 Resp: 284416

Ion Ratio Lower Upper

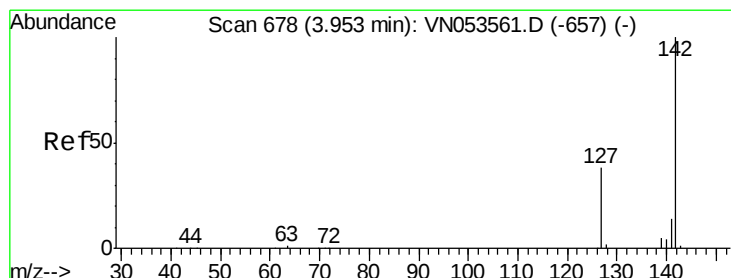
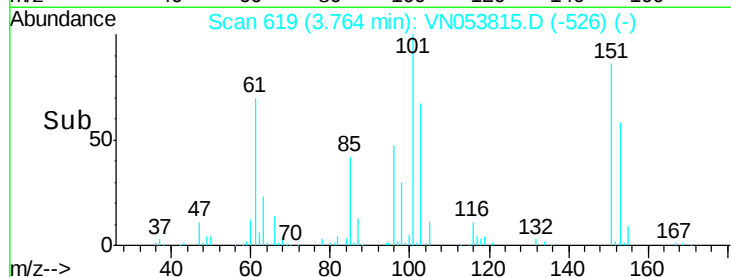
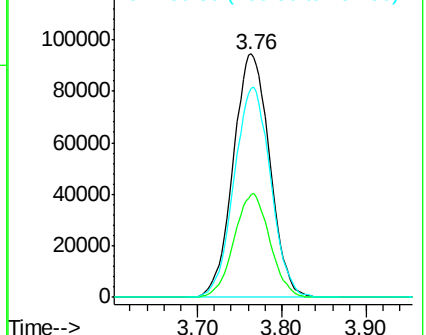
101 100

85 41.7 32.8 49.2

151 86.6 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: 45.883 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

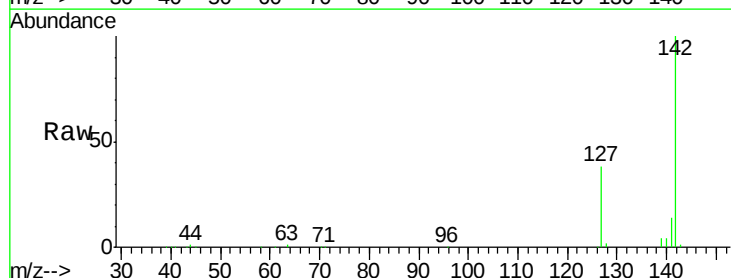
Tgt Ion:142 Resp: 425092

Ion Ratio Lower Upper

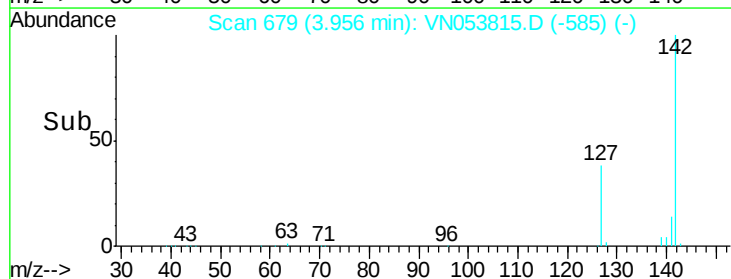
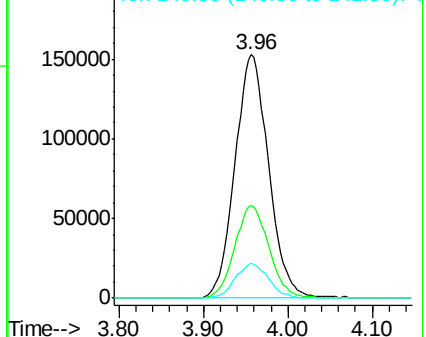
142 100

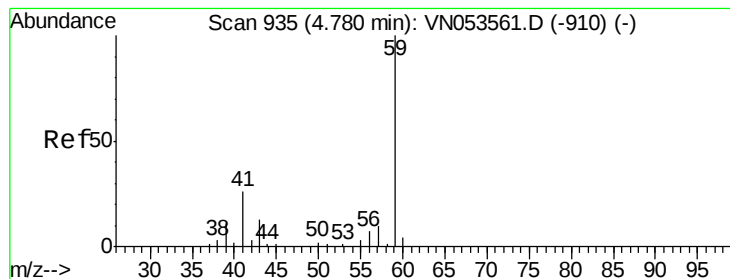
127 38.7 31.0 46.4

141 14.2 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



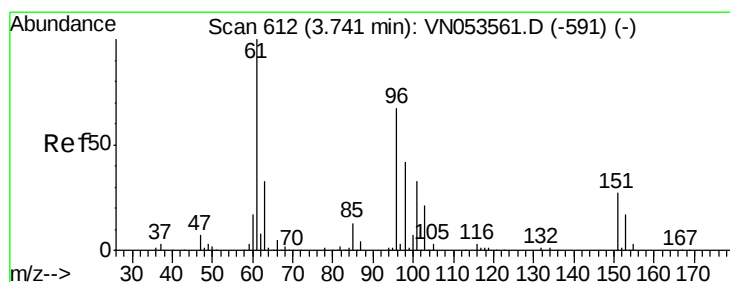
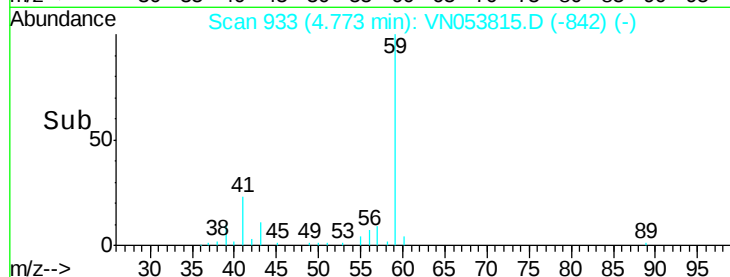
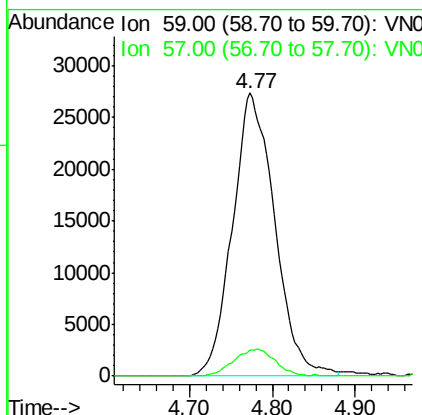
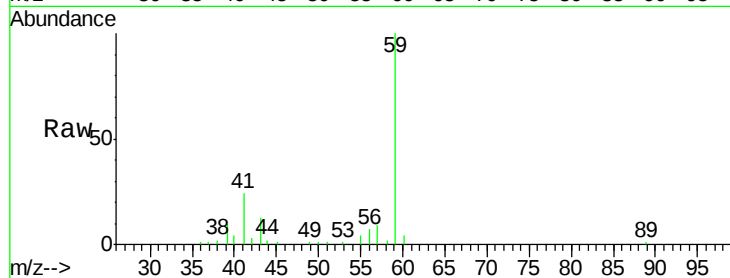


#11

Tert butyl alcohol
 Concen: 266.863 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :

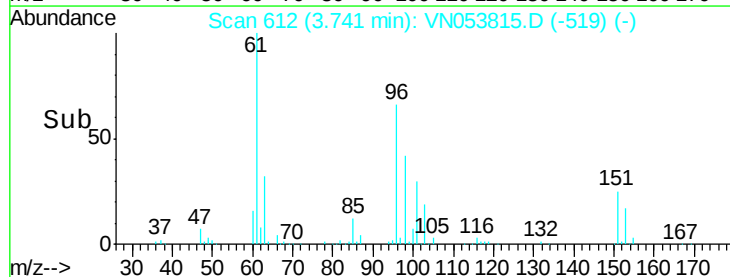
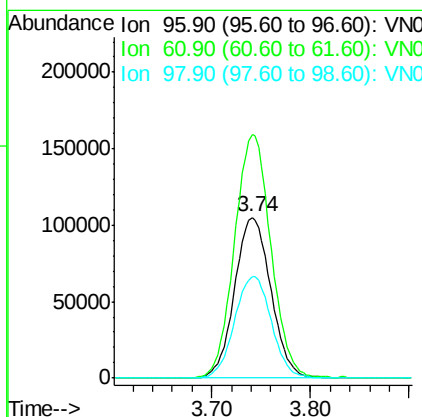
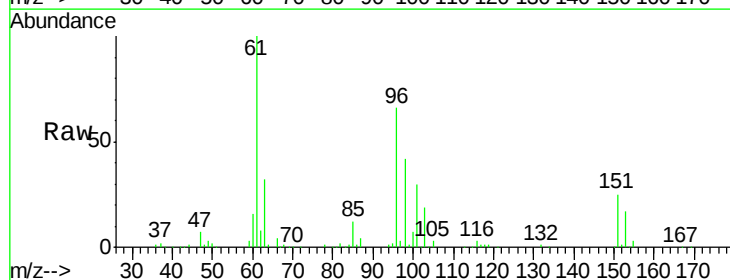
Tot Ion: 59 Resp: 96761
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.2 12.4

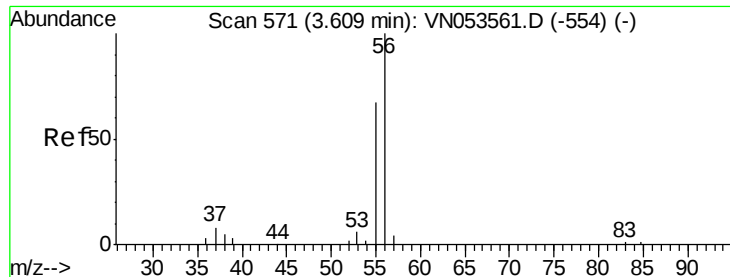


#12

1,1-Dichloroethene
 Concen: 47.377 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 96 Resp: 267933
 Ion Ratio Lower Upper
 96 100
 61 151.3 122.9 184.3
 98 63.1 49.4 74.0

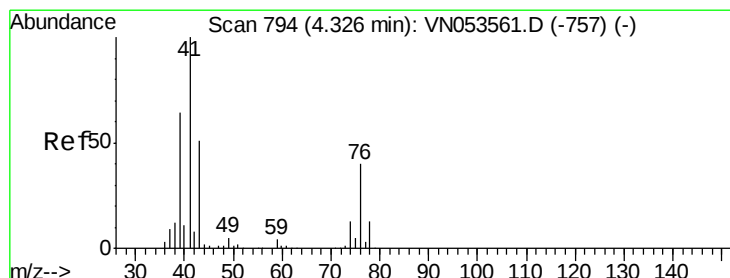
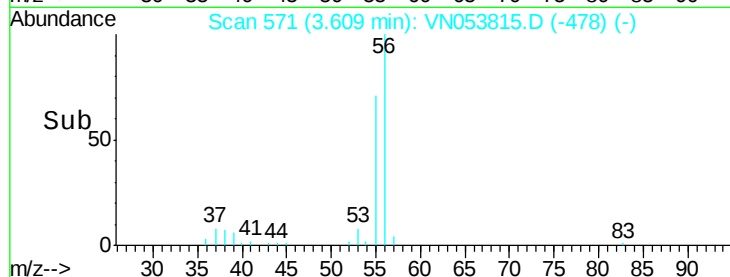
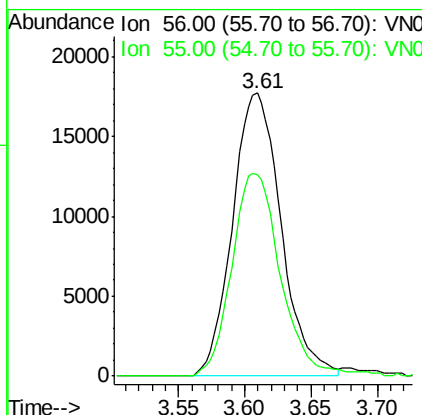
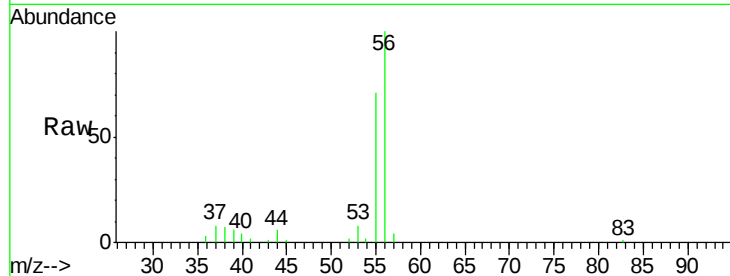




#13
Acrolein
Concen: 228.911 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

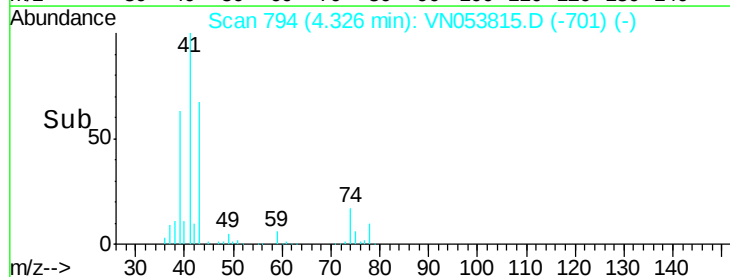
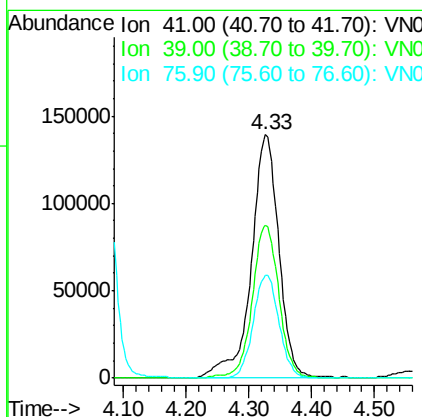
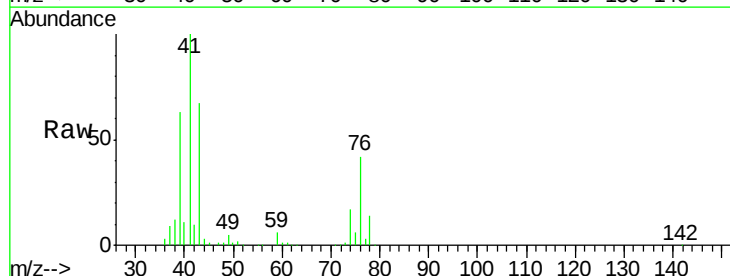
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 45190
Ion Ratio Lower Upper
56 100
55 71.4 57.4 86.0



#14
Allyl chloride
Concen: 47.486 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 41 Resp: 427584
Ion Ratio Lower Upper
41 100
39 60.4 48.9 73.3
76 39.0 29.4 44.2





#15

Acrylonitrile

Concen: 267.057 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

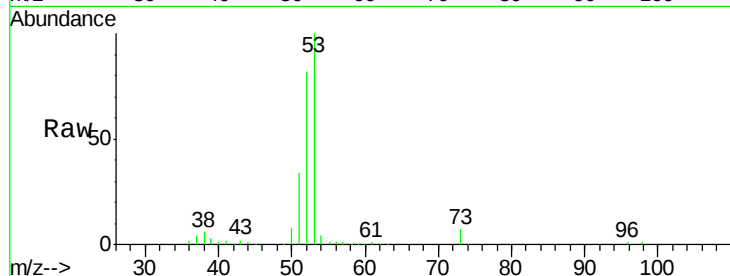
Tot Ion: 53 Resp: 522745

Ion Ratio Lower Upper

53 100

52 81.8 66.0 99.0

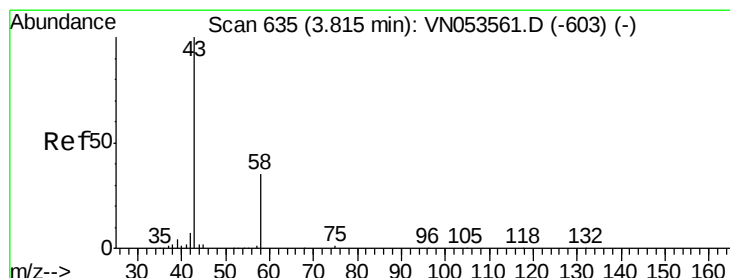
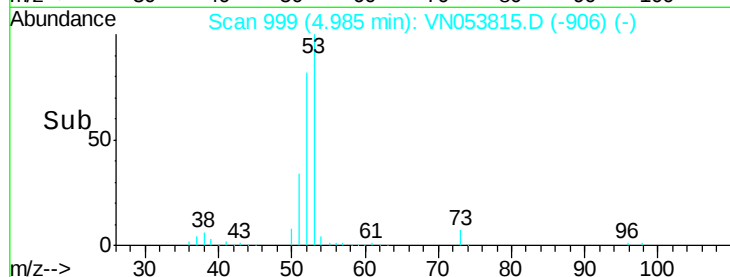
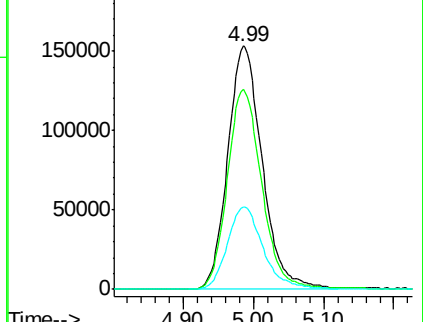
51 35.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053815.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN053815.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN053815.D (-906) (-)



#16

Acetone

Concen: 214.997 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053815.D

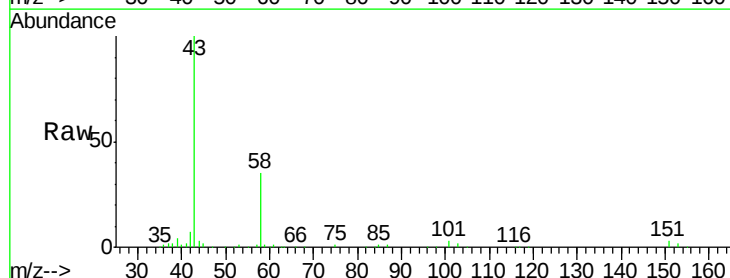
Acq: 15 Feb 2019 22:26

Tgt Ion: 43 Resp: 337865

Ion Ratio Lower Upper

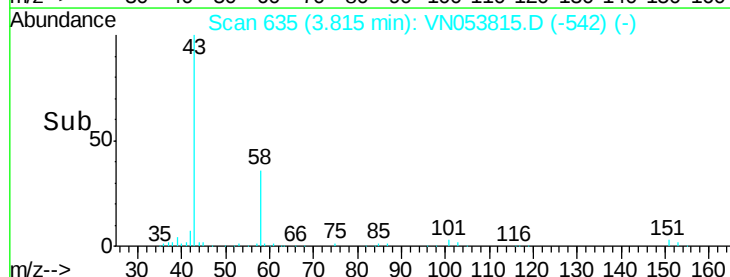
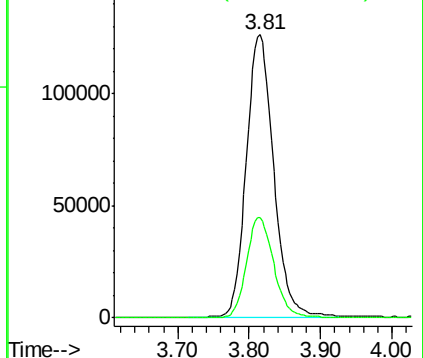
43 100

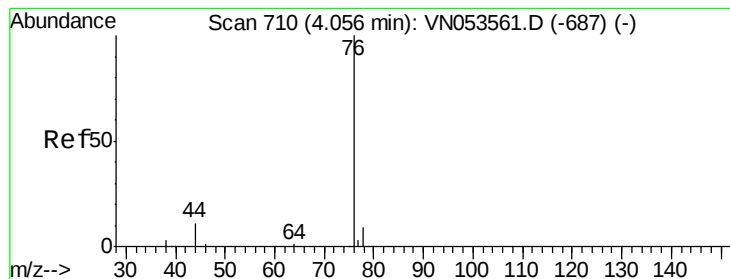
58 35.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053815.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053815.D (-542) (-)





#17

Carbon Disulfide

Concen: 40.409 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

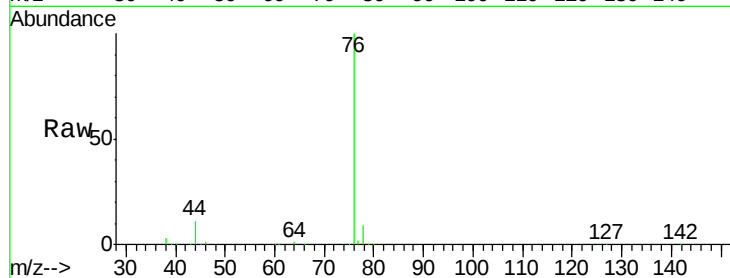
ClientSampleId :

Tot Ion: 76 Resp: 711576

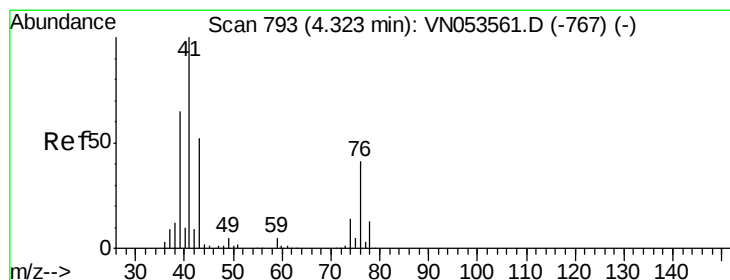
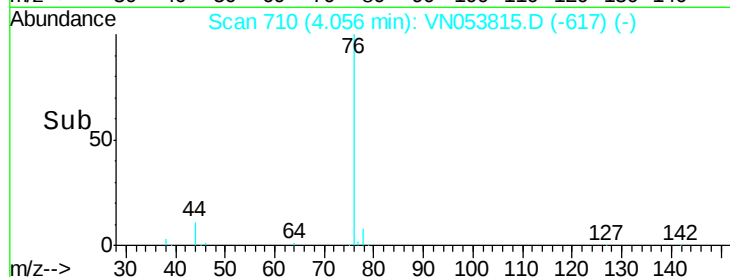
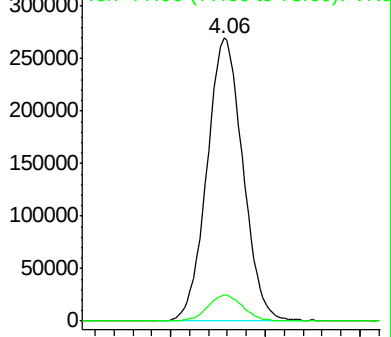
Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 57.808 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053815.D

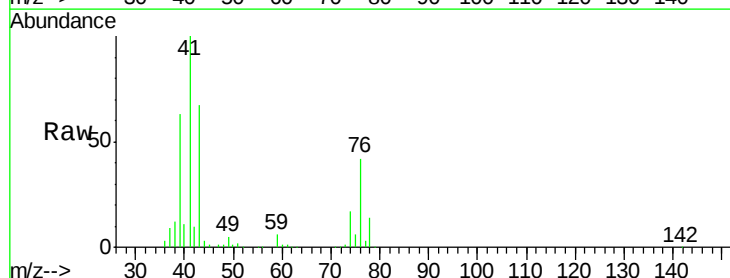
Acq: 15 Feb 2019 22:26

Tgt Ion: 43 Resp: 269040

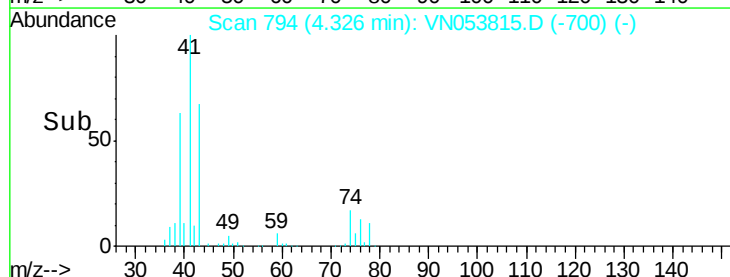
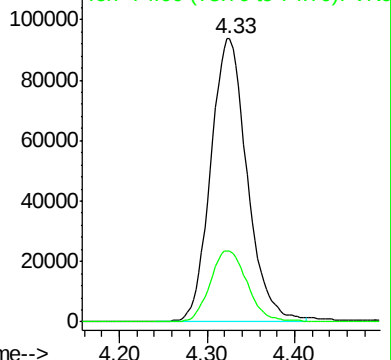
Ion Ratio Lower Upper

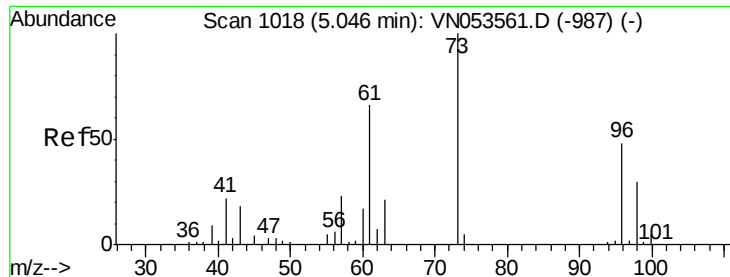
43 100

74 25.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

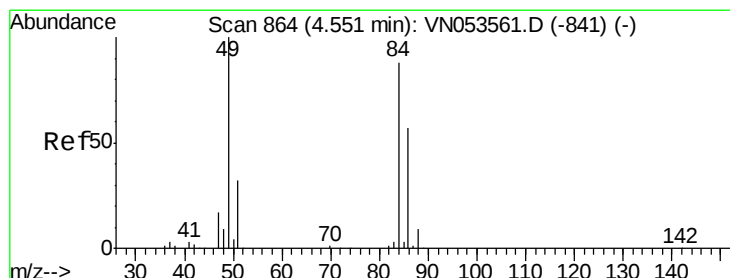
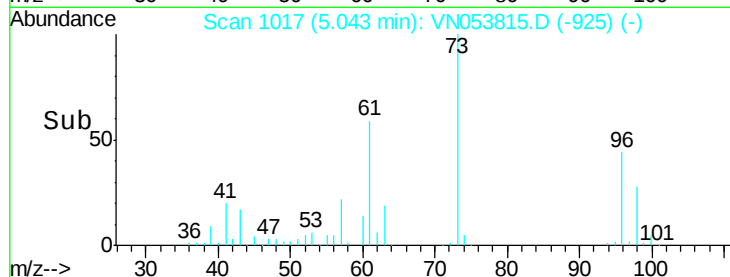
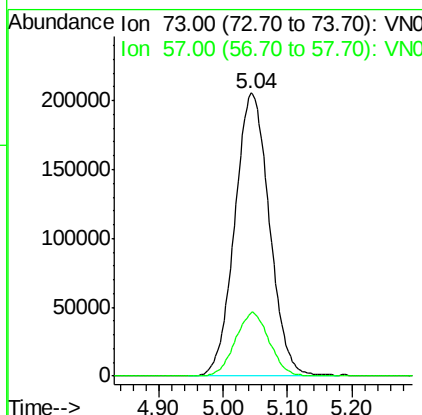
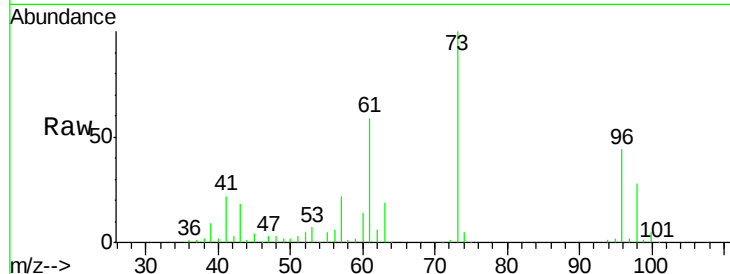




#19
Methvl tert-butvl Ether
Concen: 53.551 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

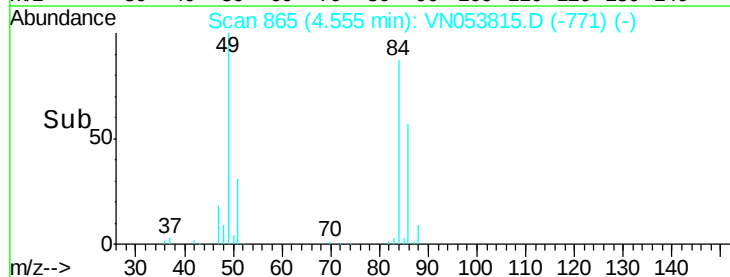
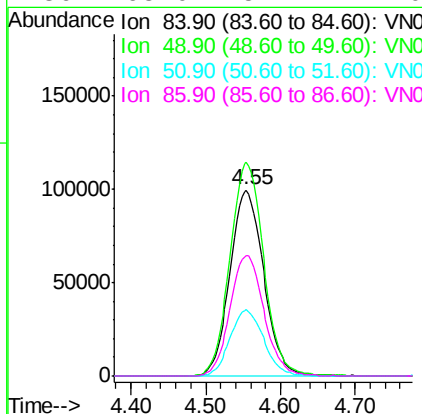
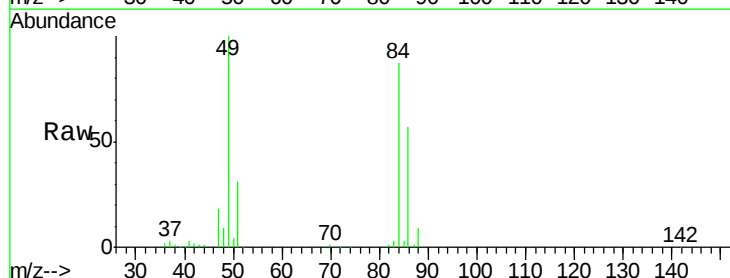
Instrument :
MSVOA_N
ClientSampled :

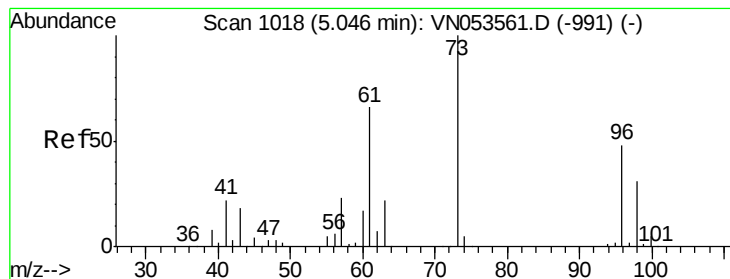
Tot Ion: 73 Resp: 767732
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 47.623 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 84 Resp: 313978
Ion Ratio Lower Upper
84 100
49 114.8 94.3 141.5
51 35.5 29.4 44.2
86 65.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.426 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :

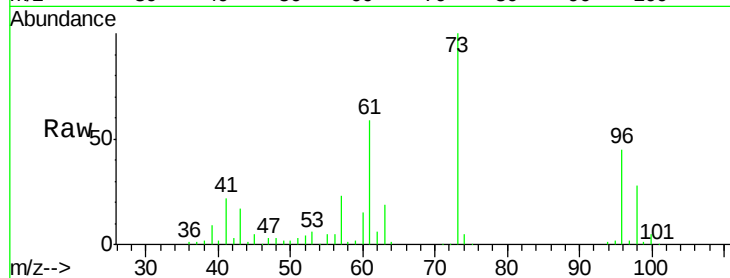
Tot Ion: 96 Resp: 289359

Ion Ratio Lower Upper

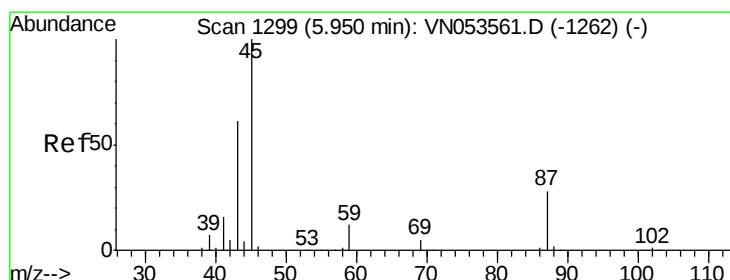
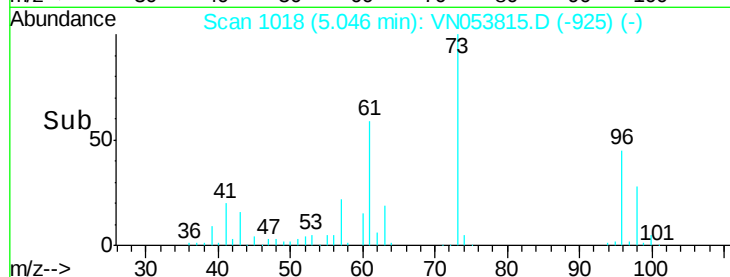
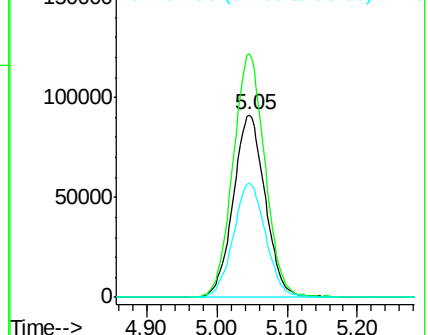
96 100

61 133.4 110.1 165.1

98 62.6 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: 51.974 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion: 45 Resp: 867162

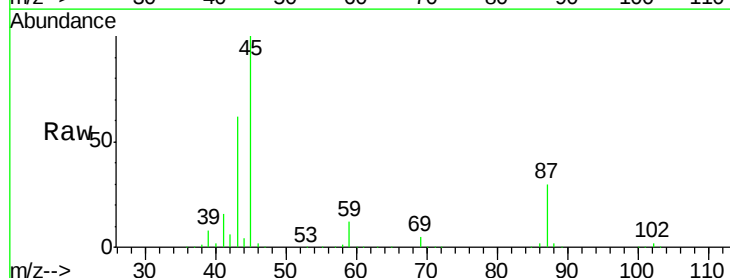
Ion Ratio Lower Upper

45 100

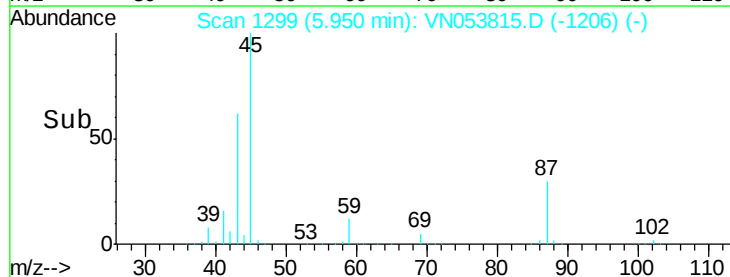
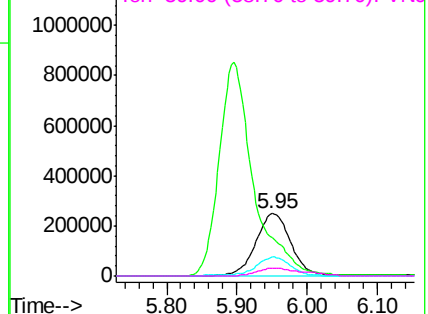
43 60.3 44.2 66.4

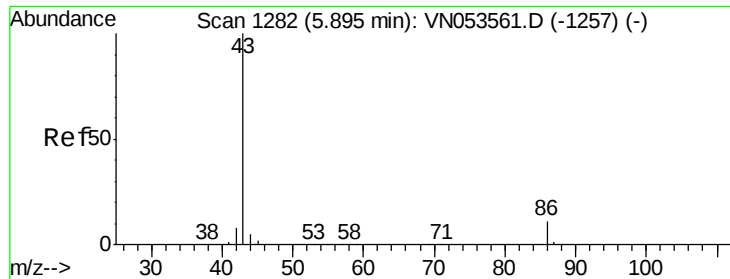
87 29.3 22.7 34.1

59 12.1 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: 252.984 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

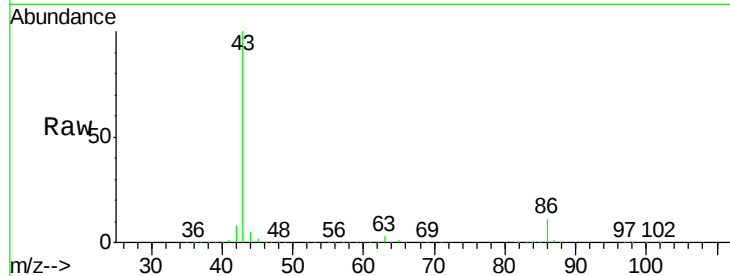
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2919975

Ion Ratio Lower Upper

43 100

86 11.2 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

800000

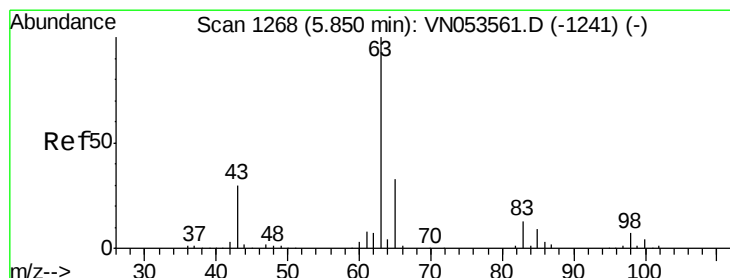
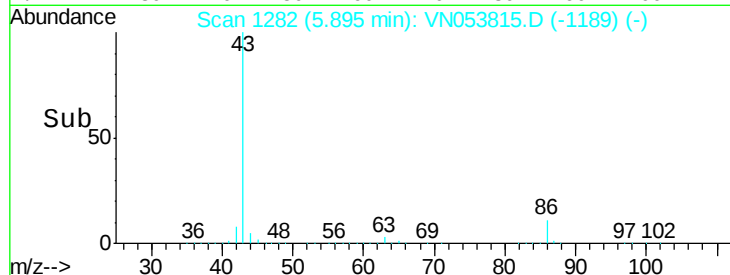
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.353 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

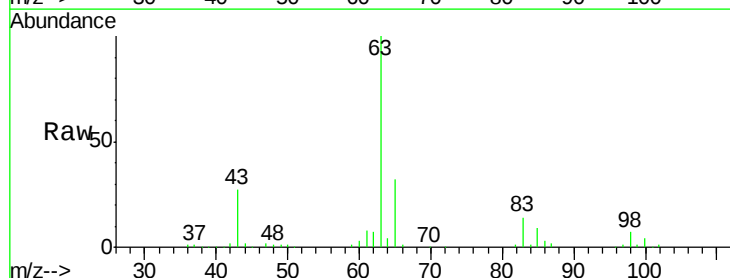
Tgt Ion: 63 Resp: 549221

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.2 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

200000

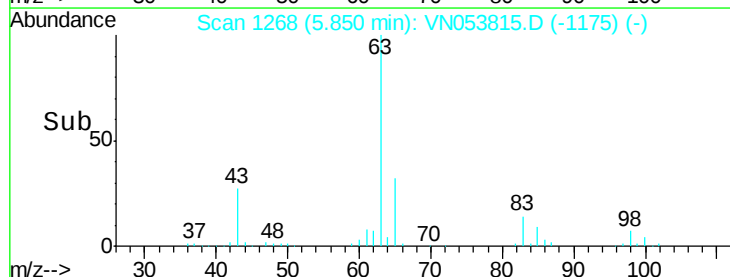
150000

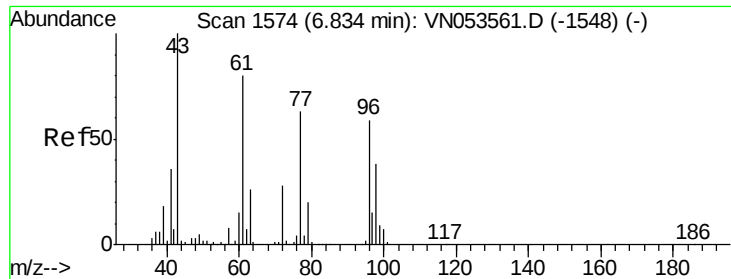
100000

50000

0

Time-->

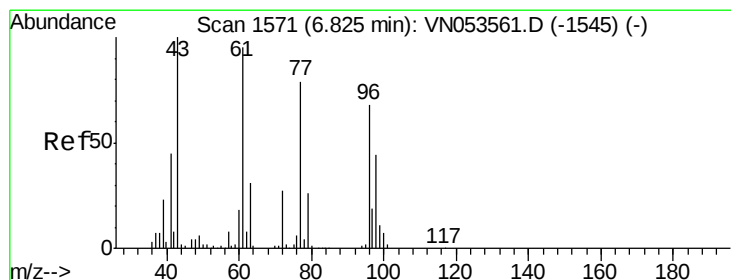
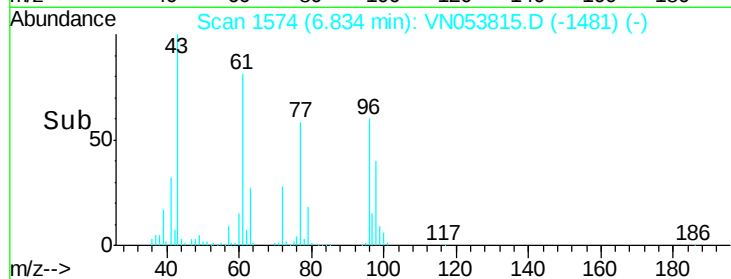
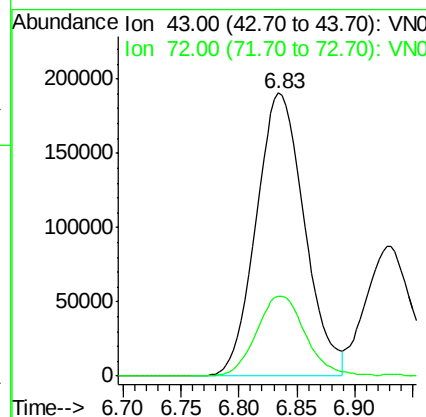
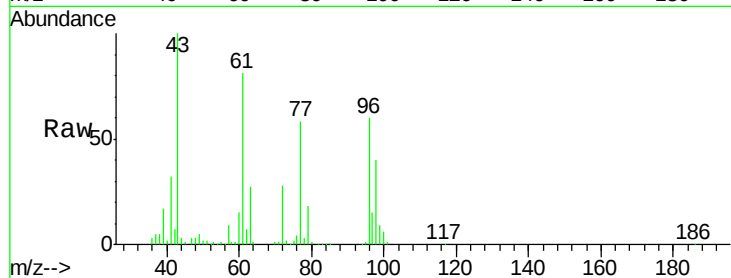




#25
 2-Butanone
 Concen: 245.594 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

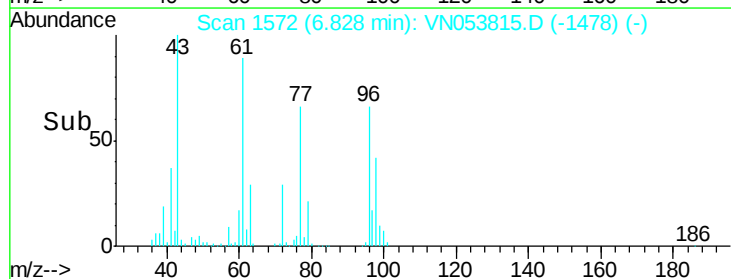
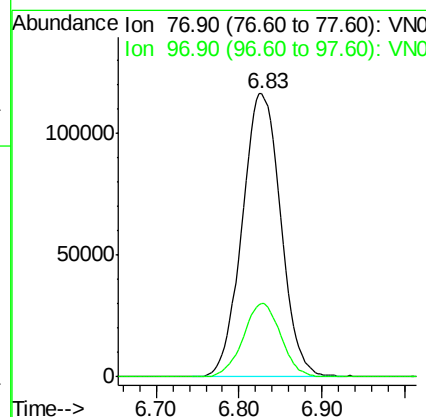
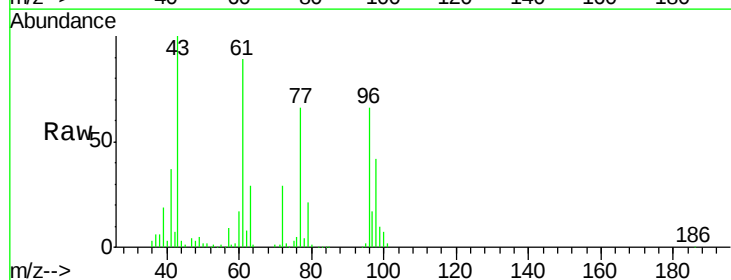
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 550447
 Ion Ratio Lower Upper
 43 100
 72 28.4 22.0 33.0



#26
 2,2-Dichloropropane
 Concen: 44.420 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 77 Resp: 377348
 Ion Ratio Lower Upper
 77 100
 97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.964 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampled :

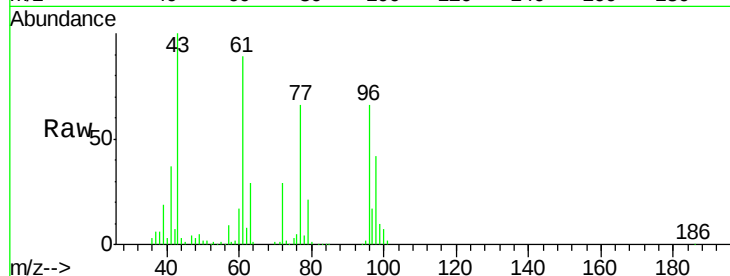
Tot Ion: 96 Resp: 338981

Ion Ratio Lower Upper

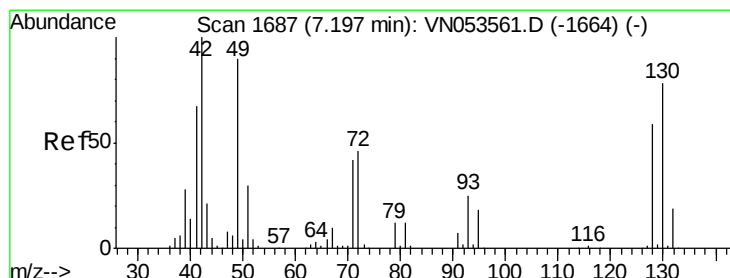
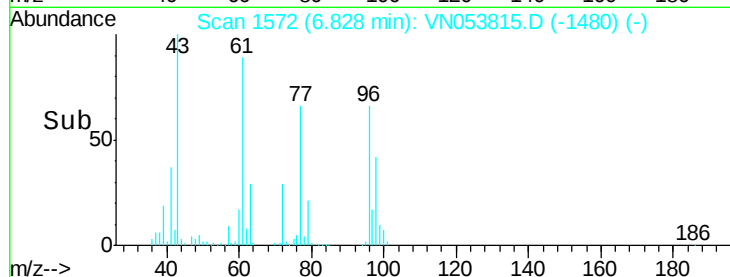
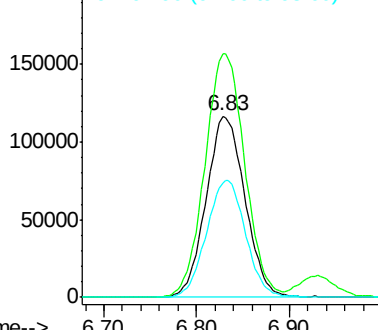
96 100

61 137.6 0.0 283.8

98 65.1 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: 51.544 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

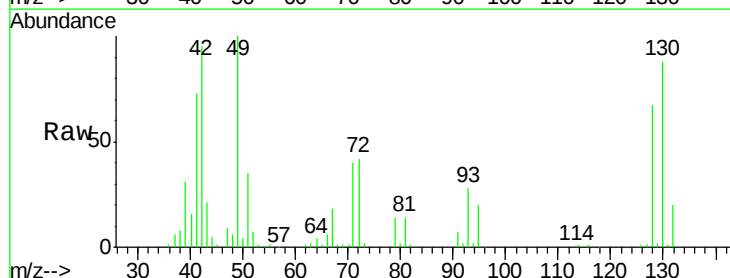
Tgt Ion: 49 Resp: 248923

Ion Ratio Lower Upper

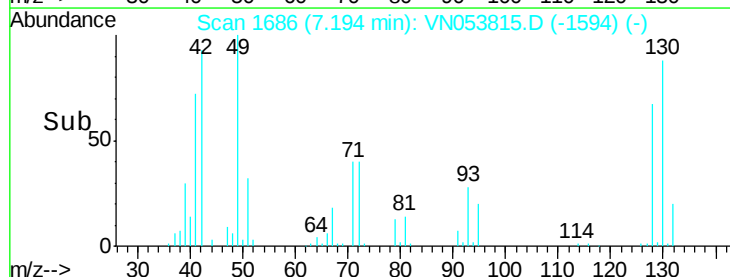
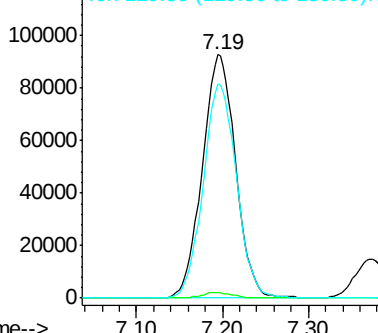
49 100

129 2.1 0.0 4.0

130 88.3 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

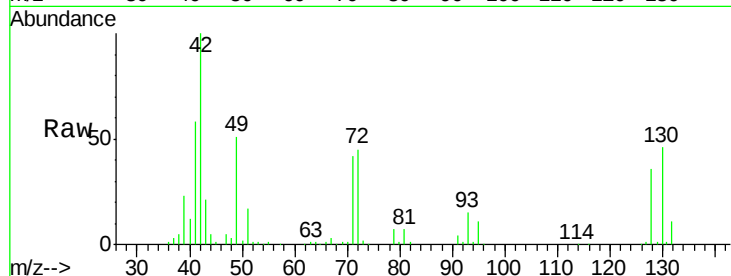




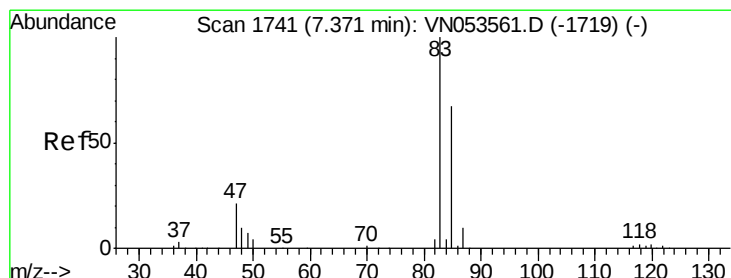
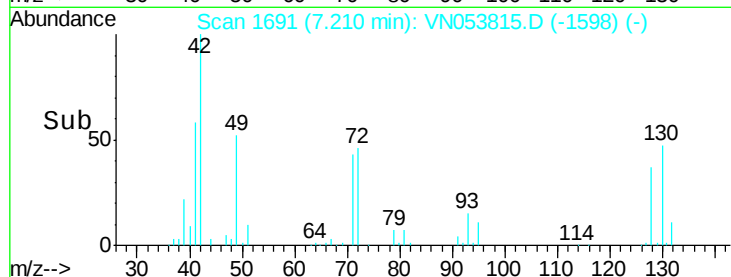
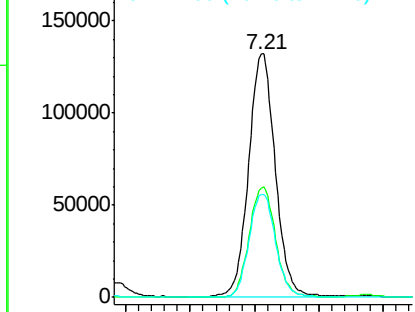
#29
Tetrahydrofuran
Concen: 264.071 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 380050
Ion Ratio Lower Upper
42 100
72 45.0 35.2 52.8
71 42.3 33.0 49.4

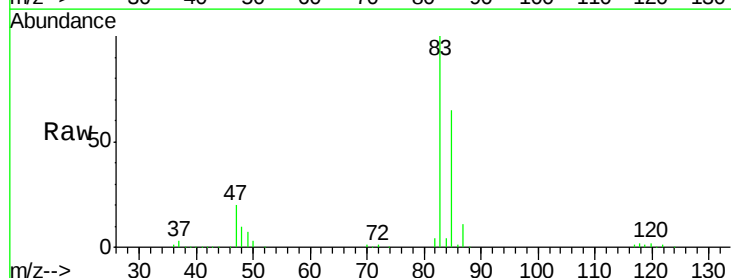


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

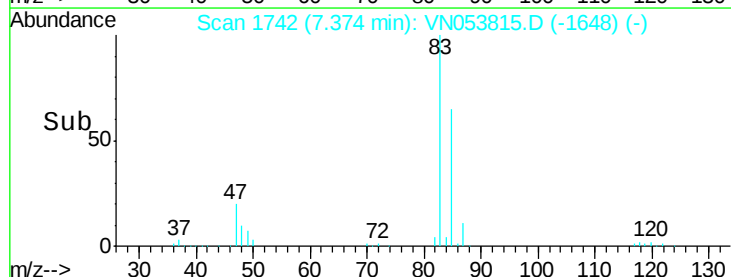
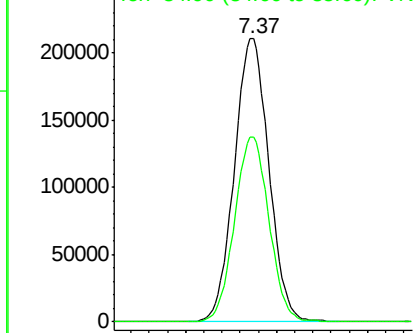


#30
Chloroform
Concen: 50.333 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 83 Resp: 555253
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.2



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





#31

Cyclohexane

Concen: 44.656 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampled :

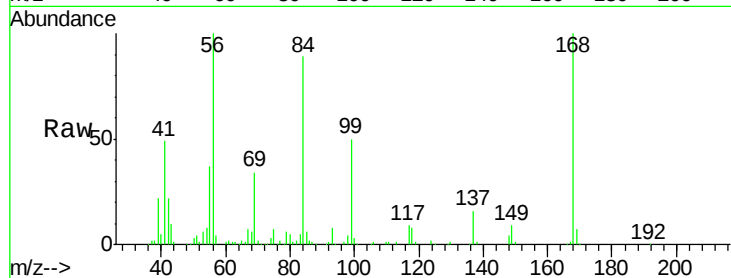
Tot Ion: 56 Resp: 462870

Ion Ratio Lower Upper

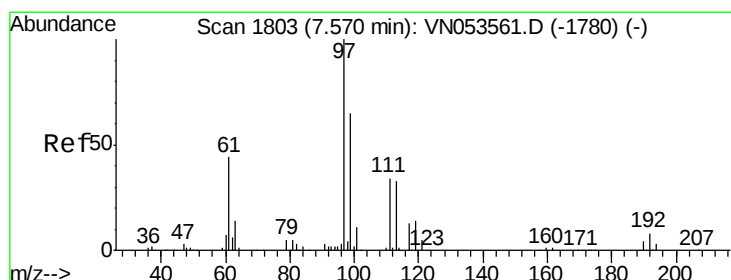
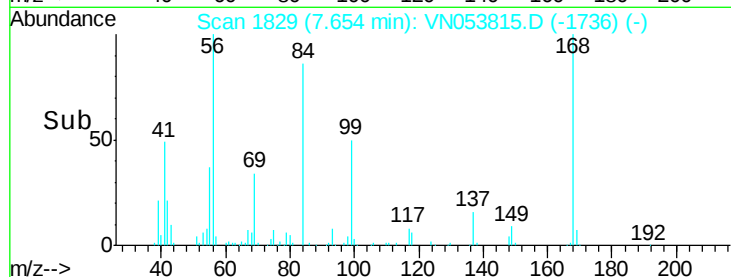
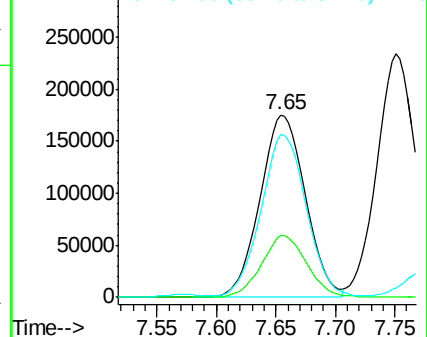
56 100

69 34.1 26.4 39.6

84 87.7 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: 50.436 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

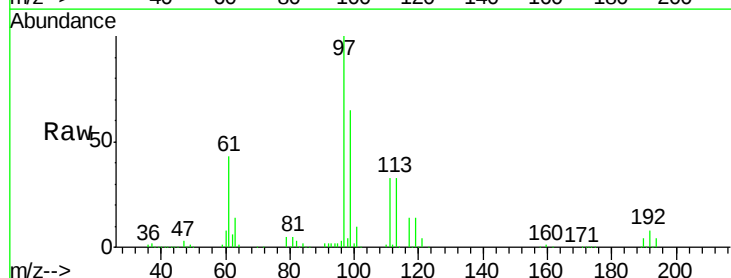
Tgt Ion: 97 Resp: 463034

Ion Ratio Lower Upper

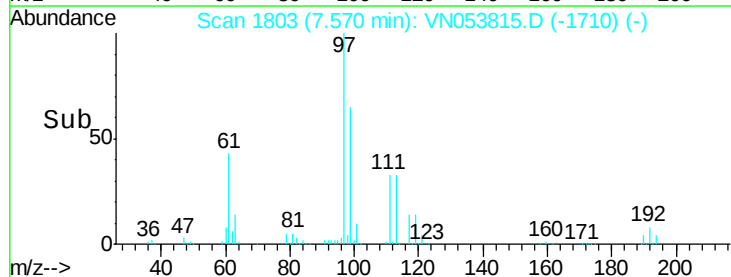
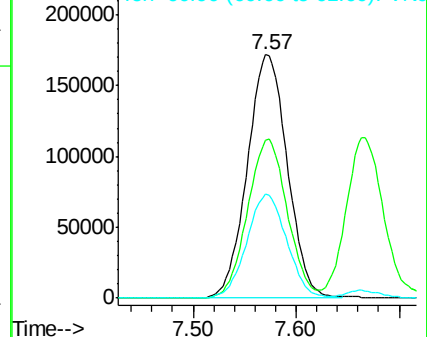
97 100

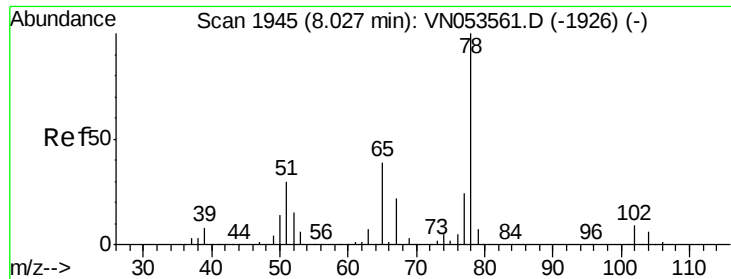
99 64.8 52.0 78.0

61 42.6 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: 51.722 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

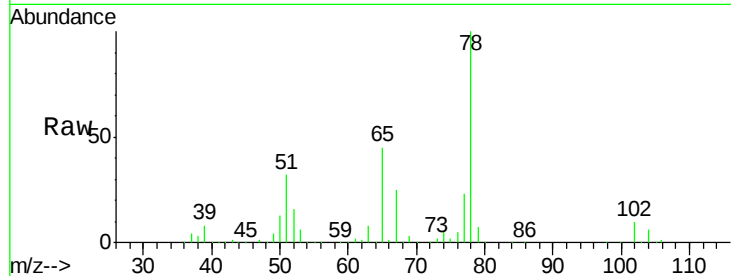
ClientSampleId :

Tot Ion: 65 Resp: 316877

Ion Ratio Lower Upper

65 100

67 55.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053815.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053815.D (-1852) (-)

8.03

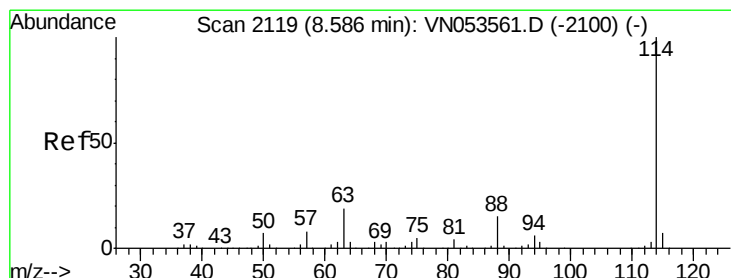
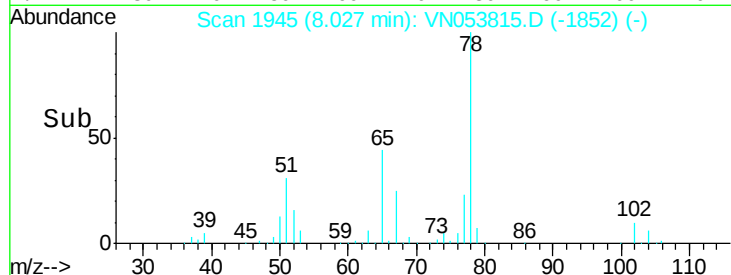
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

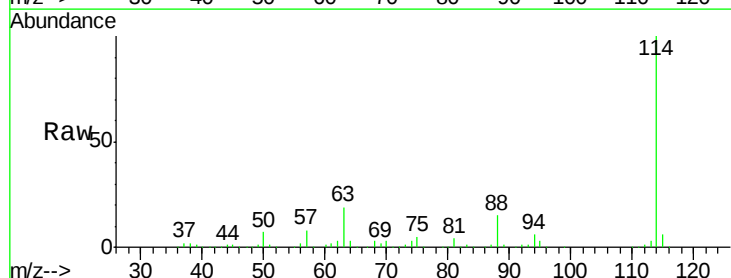
Tgt Ion: 114 Resp: 951094

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 14.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053815.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053815.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053815.D (-2026) (-)

8.59

600000

500000

400000

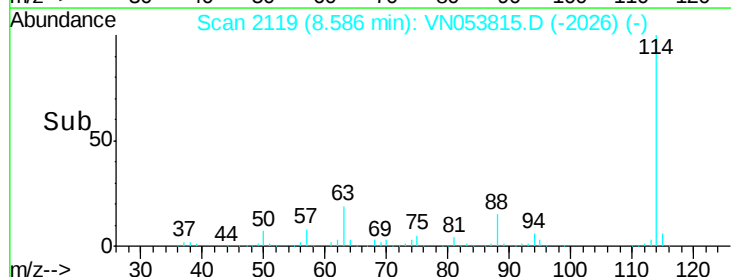
300000

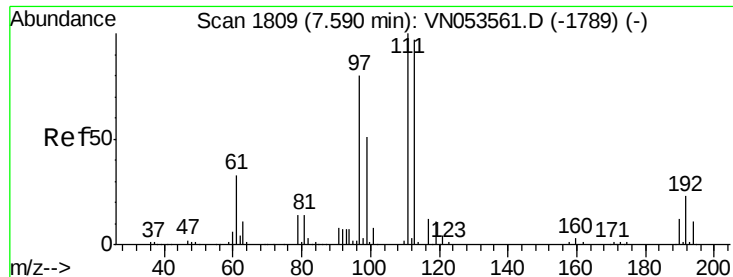
200000

100000

0

Time-->

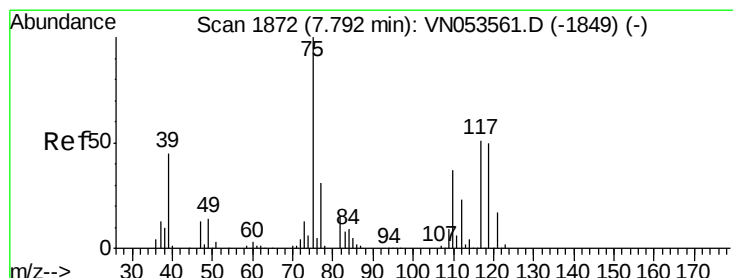
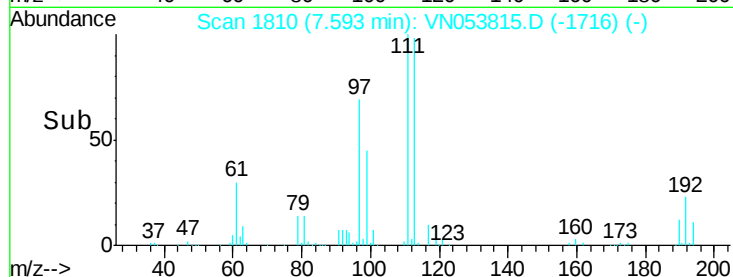
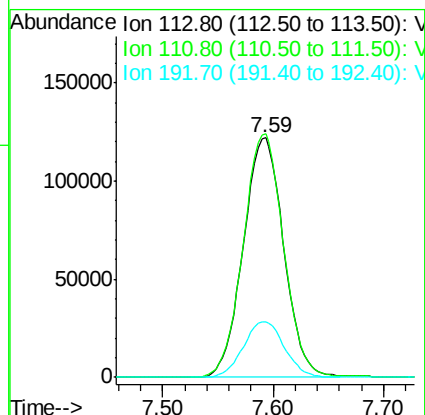
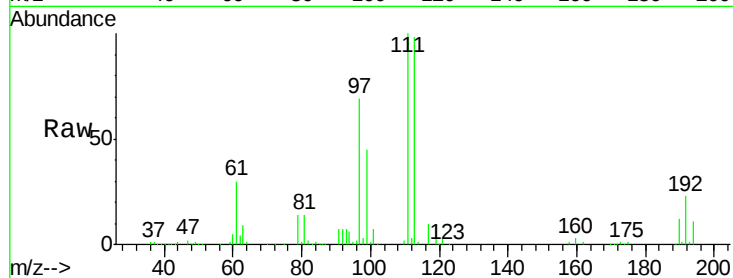




#35
 Dibromofluoromethane
 Concen: 51.506 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

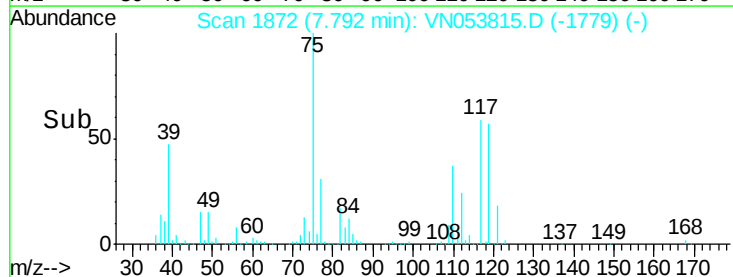
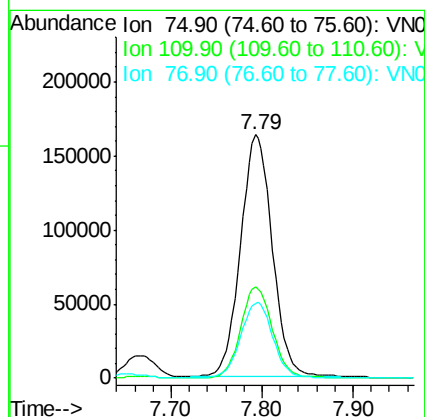
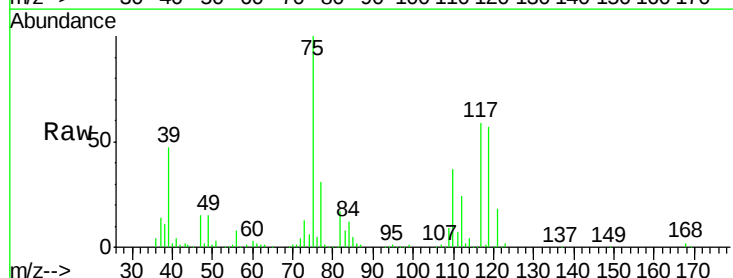
Instrument :
 MSVOA_N
 ClientSampleId :

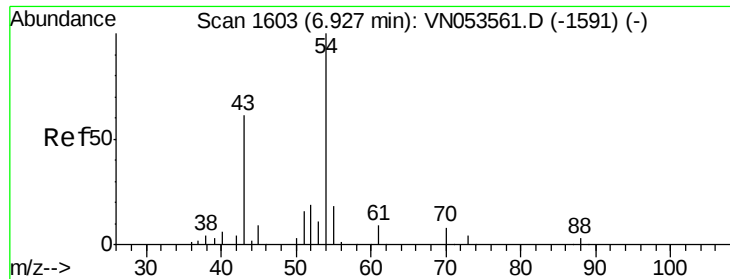
Tot Ion:113 Resp: 309534
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 23.6 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 46.345 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 75 Resp: 397336
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.1 54.3
 77 31.8 25.1 37.7

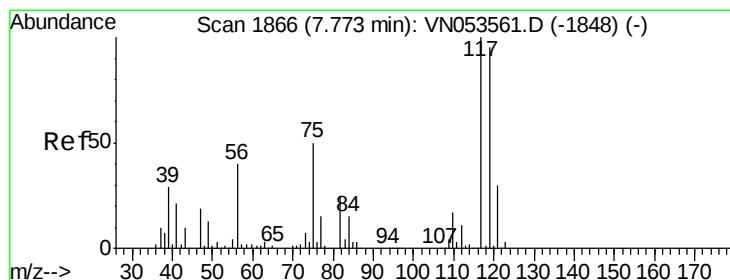
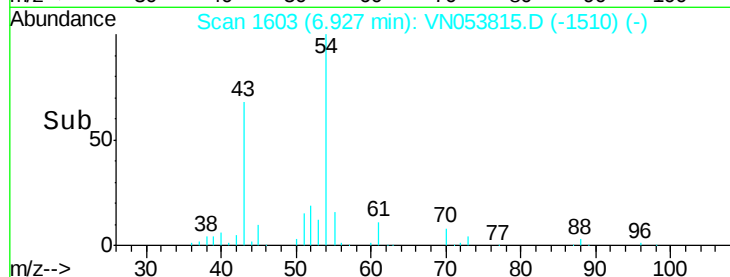
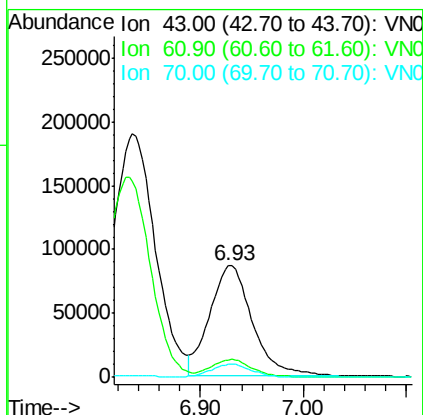
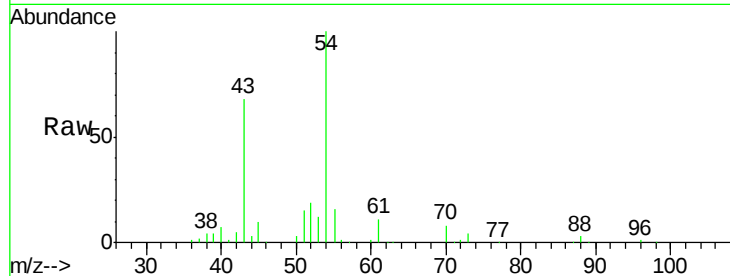




#37
Ethyl Acetate
Concen: 51.819 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

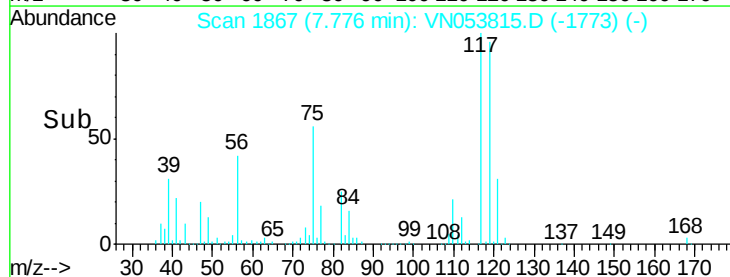
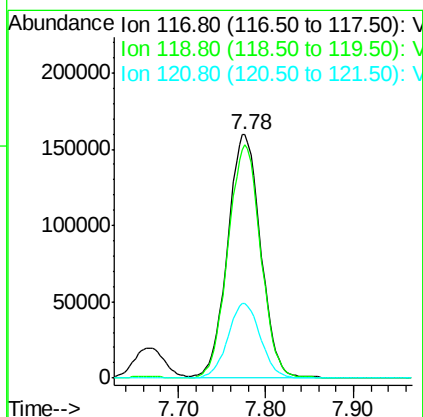
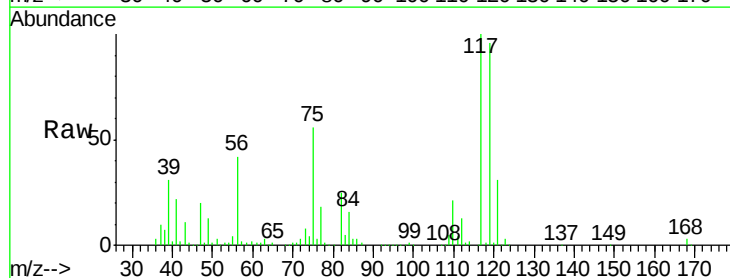
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 248125
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 11.2 8.6 12.8



#38
Carbon Tetrachloride
Concen: 48.147 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 117 Resp: 415841
Ion Ratio Lower Upper
117 100
119 95.9 77.2 115.8
121 30.8 24.6 37.0

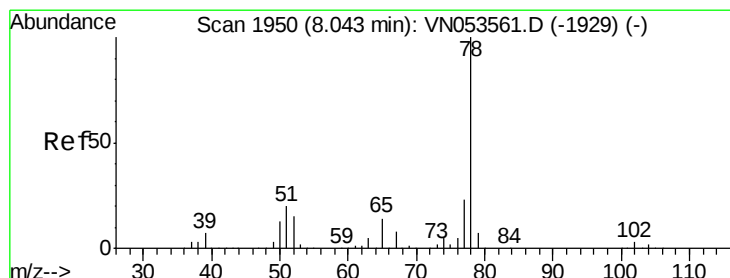
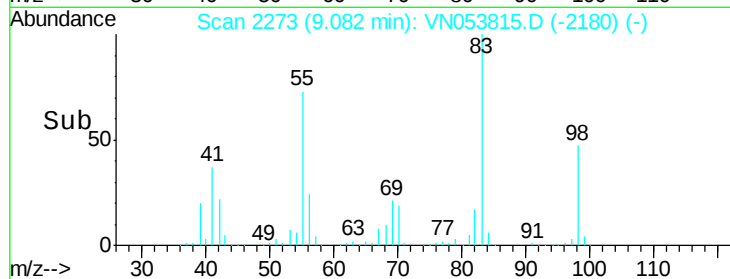
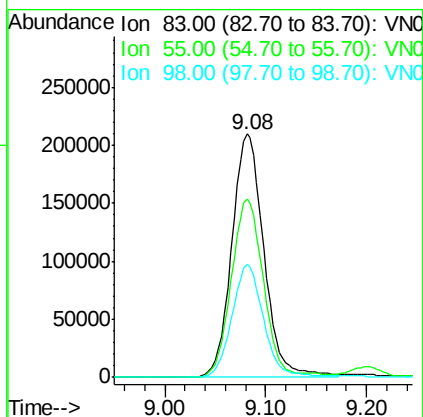
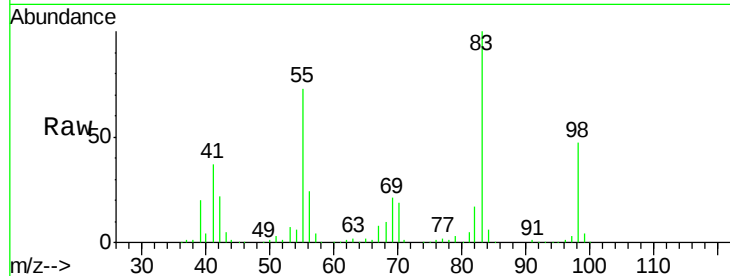




#39
Methvlcvclohexane
Concen: 45.663 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

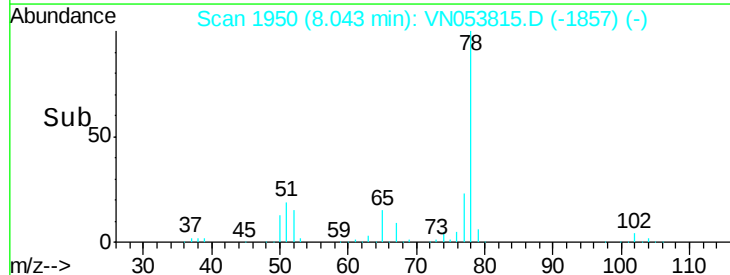
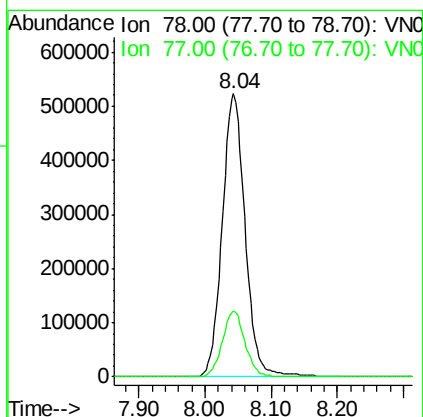
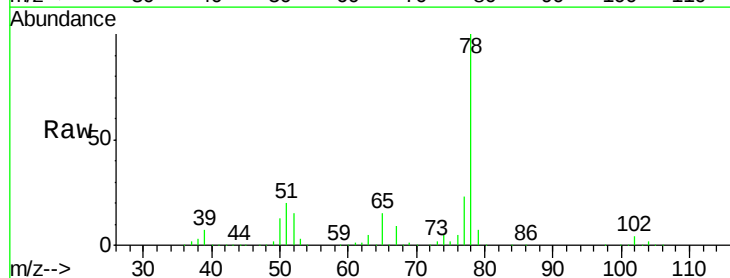
Instrument :
MSVOA_N
ClientSampled :

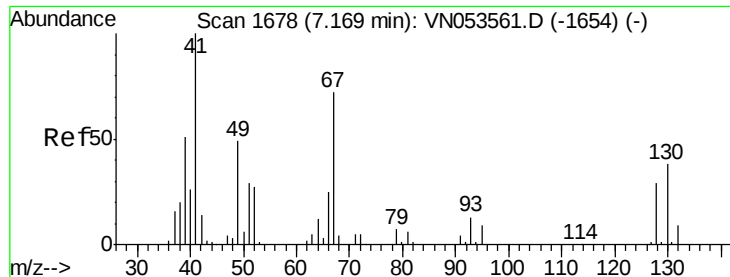
Tot Ion: 83 Resp: 464468
Ion Ratio Lower Upper
83 100
55 73.5 60.1 90.1
98 46.5 36.6 55.0



#40
Benzene
Concen: 47.459 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 78 Resp: 1254739
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

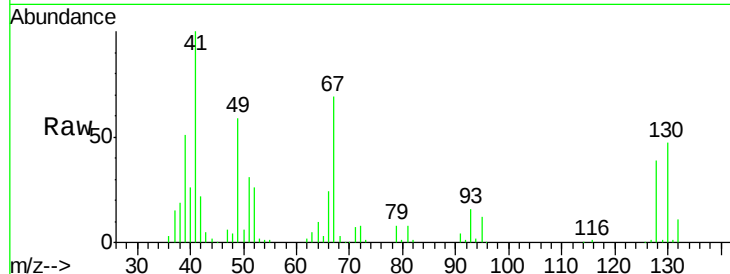




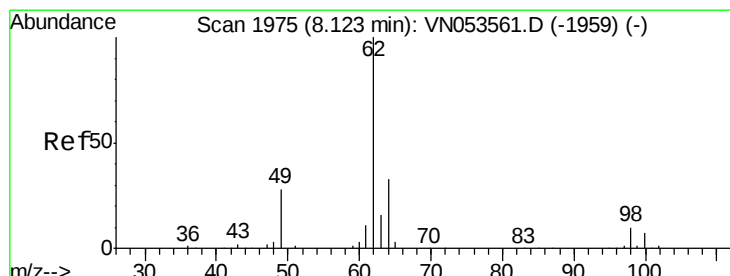
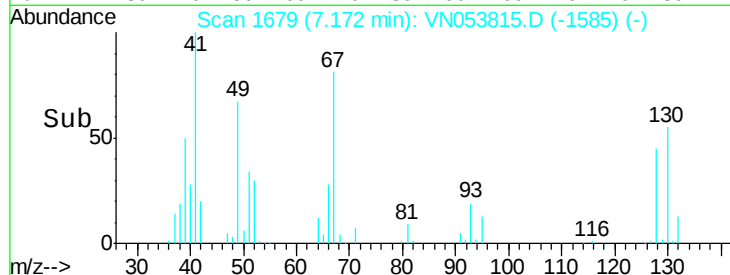
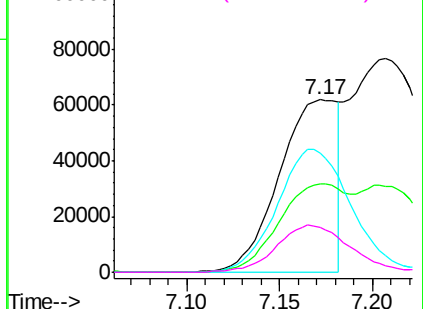
#41
Methacrylonitrile
Concen: 50.462 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	135047
Ion	Ratio	Lower	Upper
41	100		
39	59.1	46.8	70.2
67	91.6	63.0	94.6
52	35.2	23.8	35.8

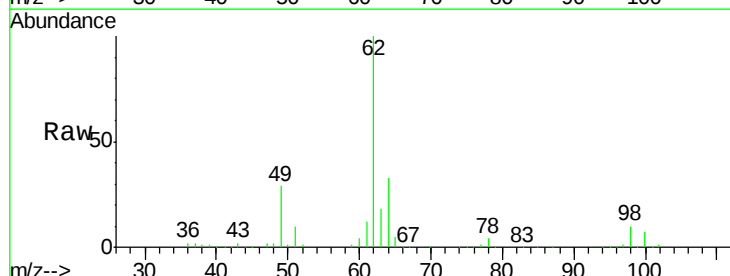


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

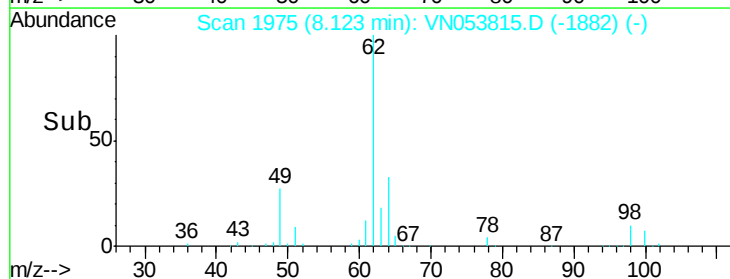
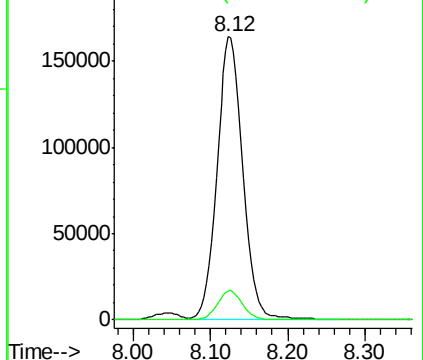


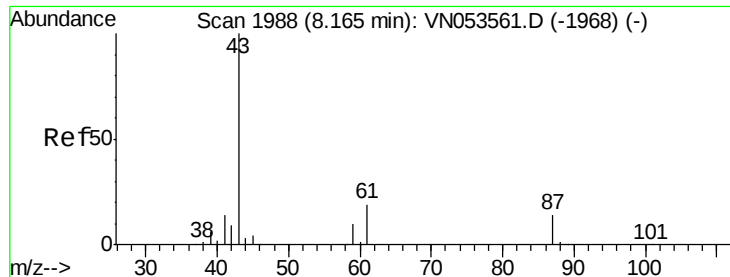
#42
1,2-Dichloroethane
Concen: 48.406 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion:	62	Resp:	379995
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 48.535 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampled :

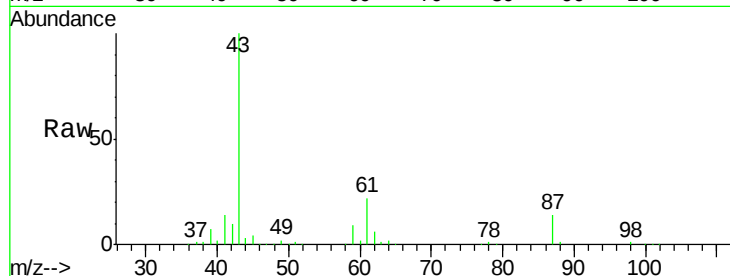
Tot Ion: 43 Resp: 448820

Ion Ratio Lower Upper

43 100

61 29.5 23.9 35.9

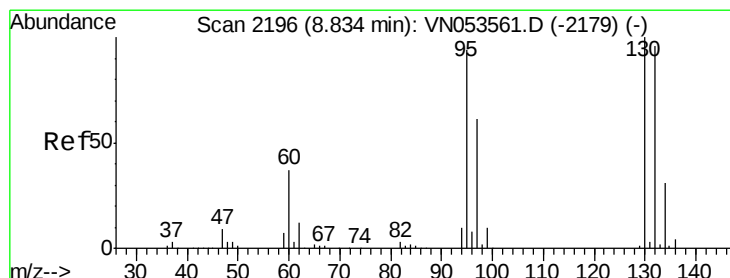
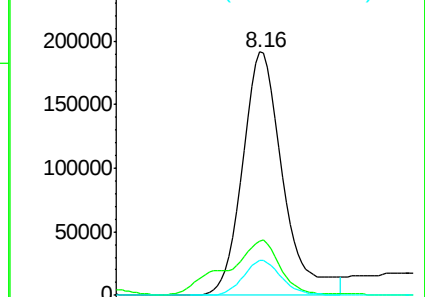
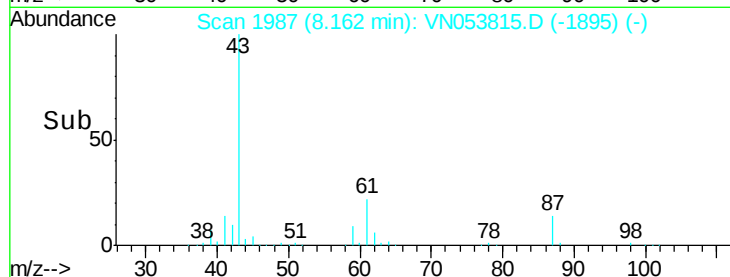
87 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053815.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN053815.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN053815.D (-2103) (-)



#44

Trichloroethene

Concen: 46.001 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053815.D

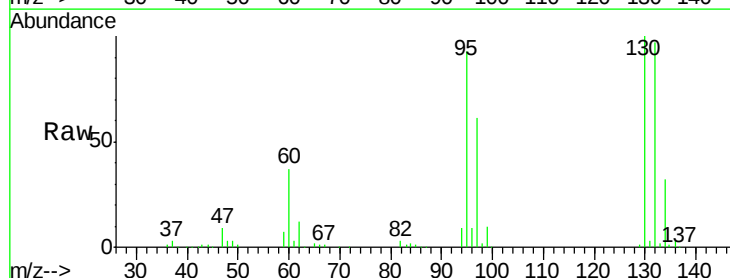
Acq: 15 Feb 2019 22:26

Tgt Ion:130 Resp: 346242

Ion Ratio Lower Upper

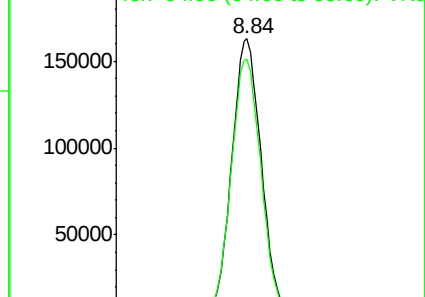
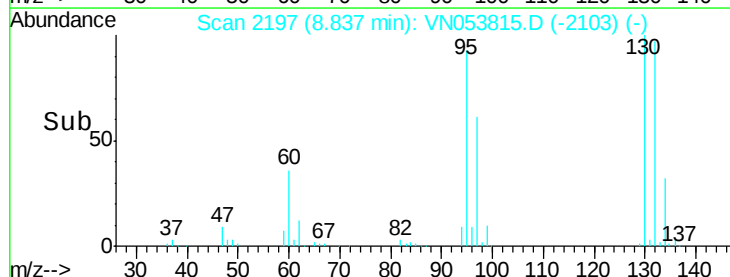
130 100

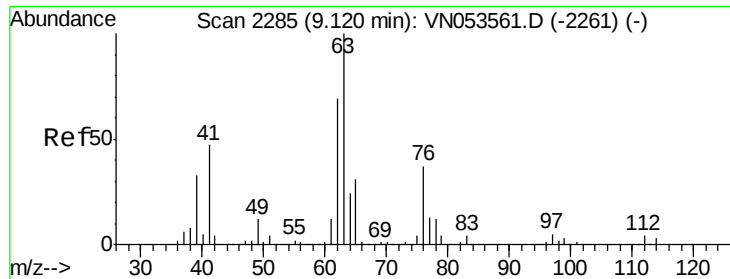
95 92.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053815.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053815.D (-2103) (-)

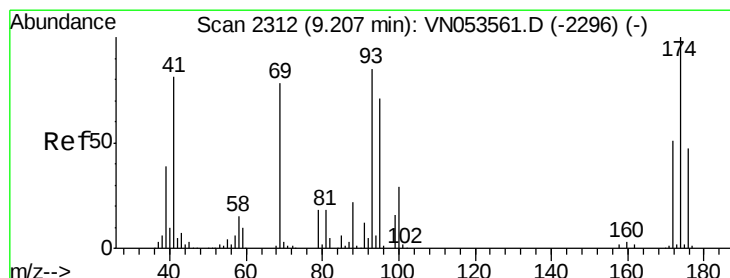
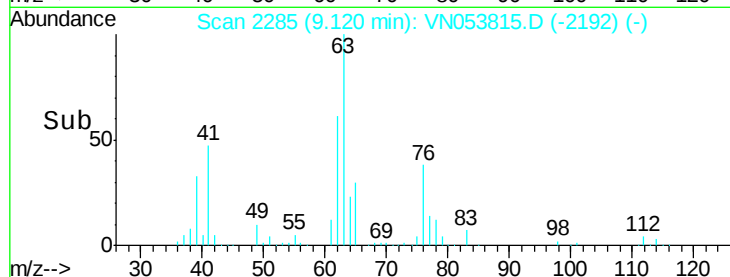
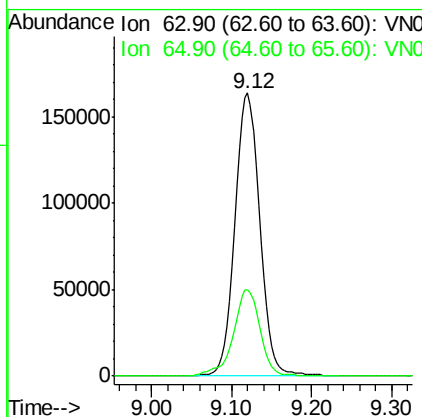
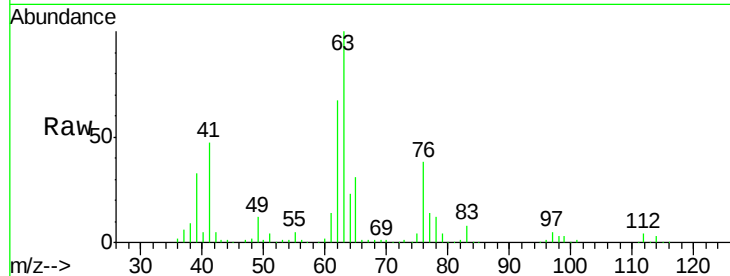




#45
 1,2-Dichloropropane
 Concen: 50.794 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

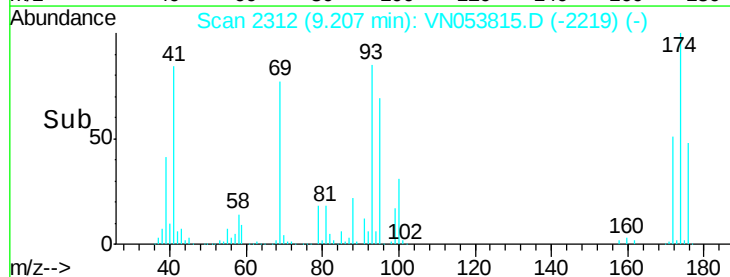
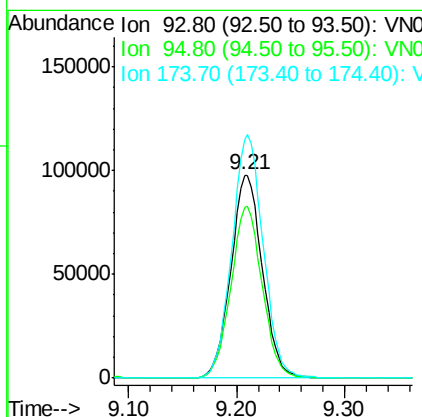
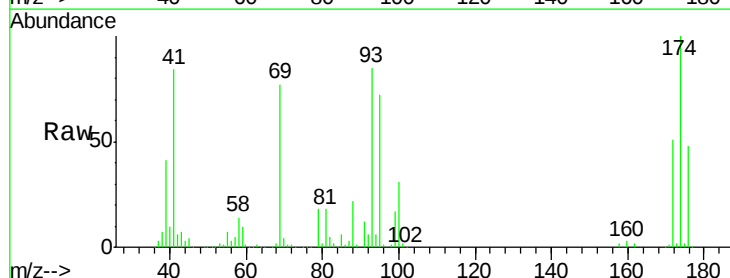
Instrument :
 MSVOA_N
 ClientSampleId :

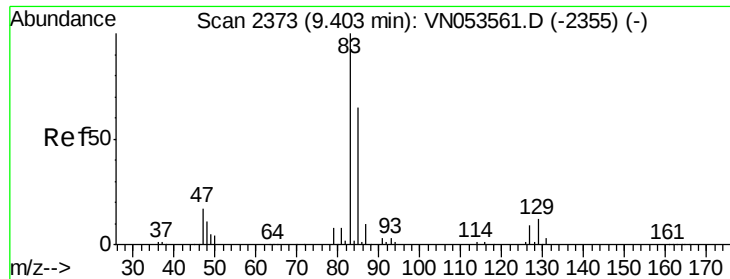
Tot Ion: 63 Resp: 343480
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 48.945 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 93 Resp: 199519
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.3 100.9
 174 119.0 91.0 136.4





#47

Bromodichloromethane

Concen: 50.167 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

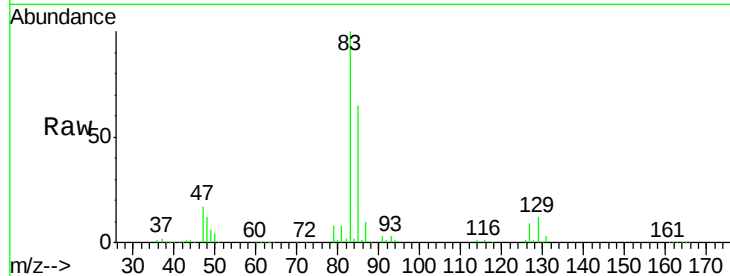
Tot Ion: 83 Resp: 425195

Ion Ratio Lower Upper

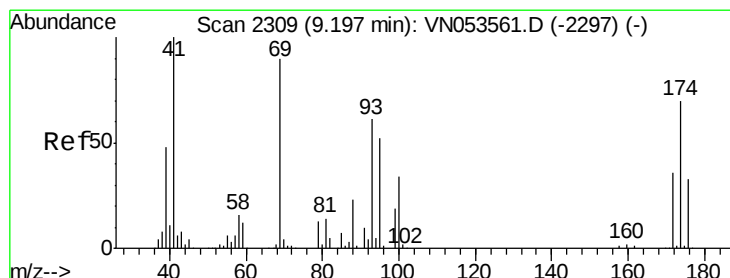
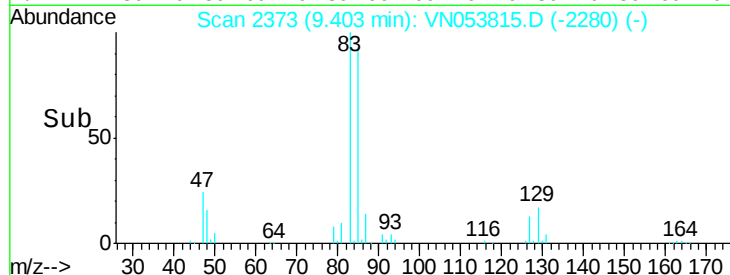
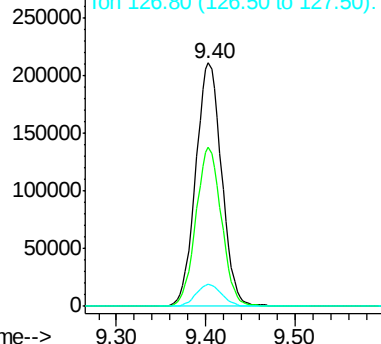
83 100

85 65.1 51.0 76.6

127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053815.D (-2280) (-)



#48

Methyl methacrylate

Concen: 47.815 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

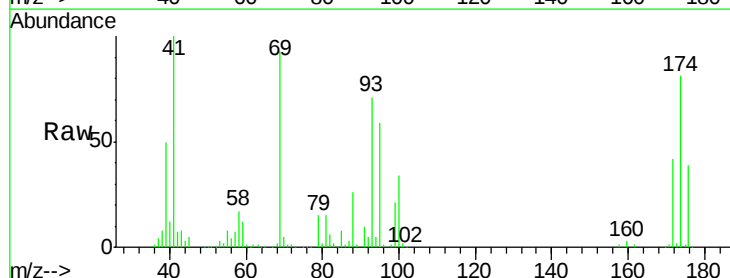
Tgt Ion: 41 Resp: 211062

Ion Ratio Lower Upper

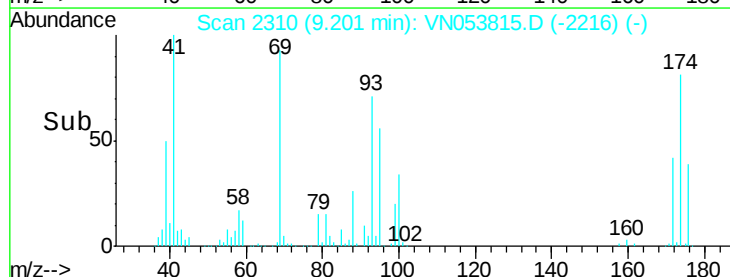
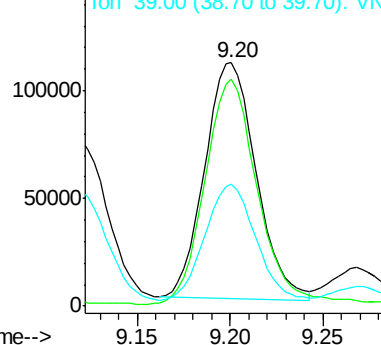
41 100

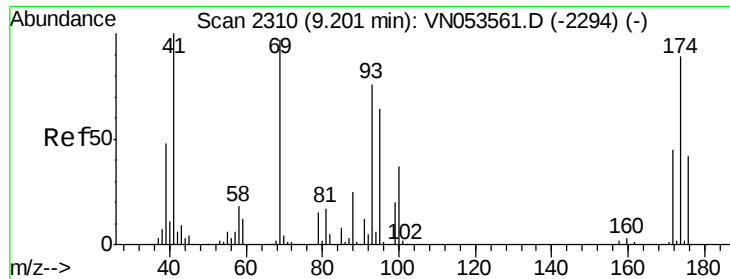
69 101.0 73.8 110.6

39 53.8 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VN053815.D (-2216) (-)





#49

1,4-Dioxane

Concen: 990.703 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :

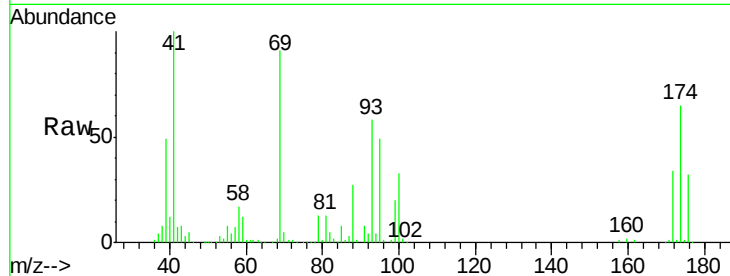
Tot Ion: 88 Resp: 63342

Ion Ratio Lower Upper

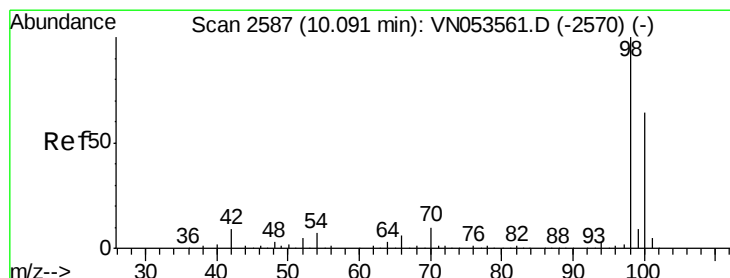
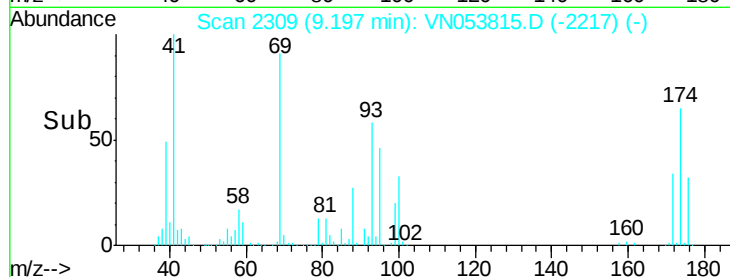
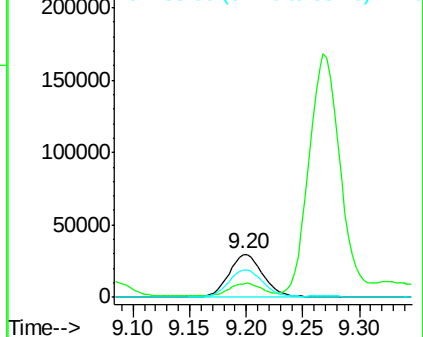
88 100

43 28.1 27.8 41.6

58 65.5 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.709 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053815.D

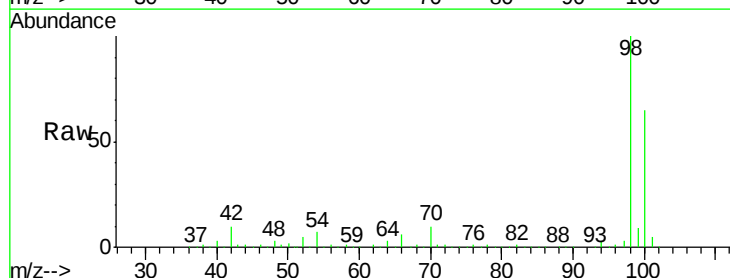
Acq: 15 Feb 2019 22:26

Tgt Ion: 98 Resp: 1121686

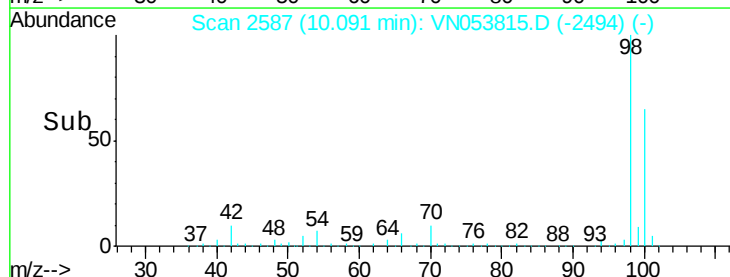
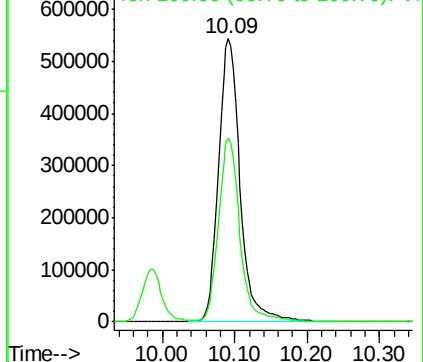
Ion Ratio Lower Upper

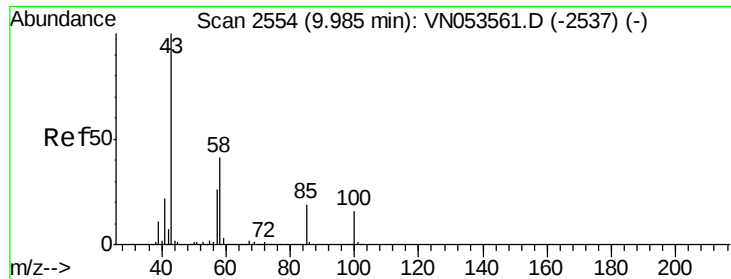
98 100

100 64.7 51.4 77.0



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





#51

4-Methyl-2-Pentanone

Concen: 264.443 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

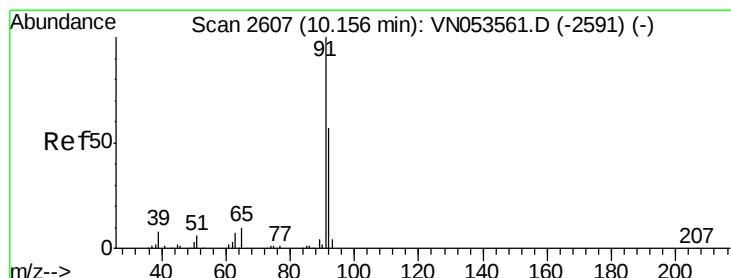
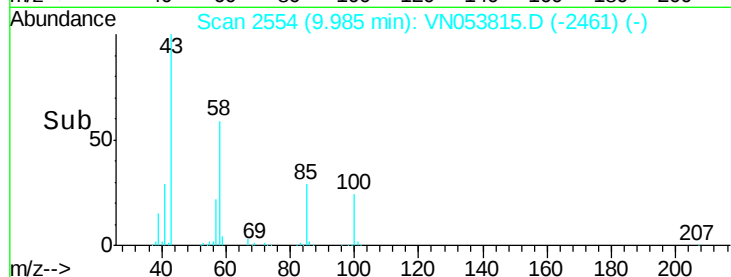
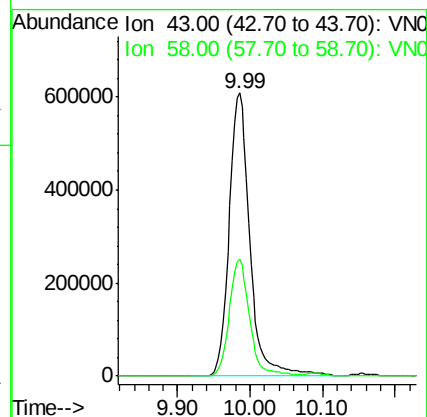
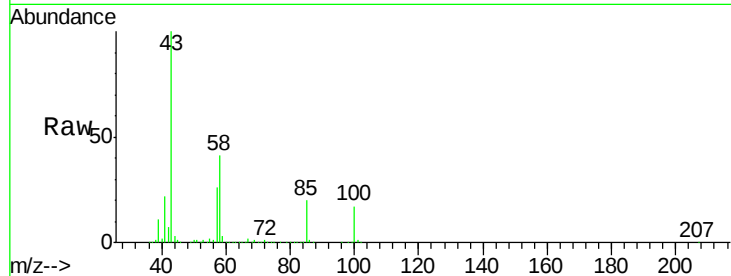
ClientSampleId :

Tot Ion: 43 Resp: 1201671

Ion Ratio Lower Upper

43 100

58 41.0 32.8 49.2



#52

Toluene

Concen: 48.459 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053815.D

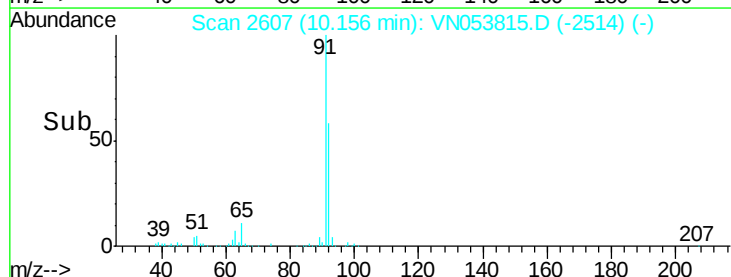
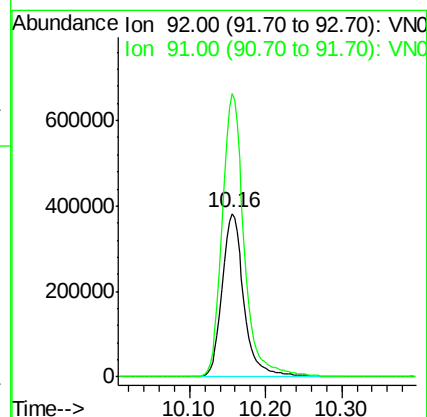
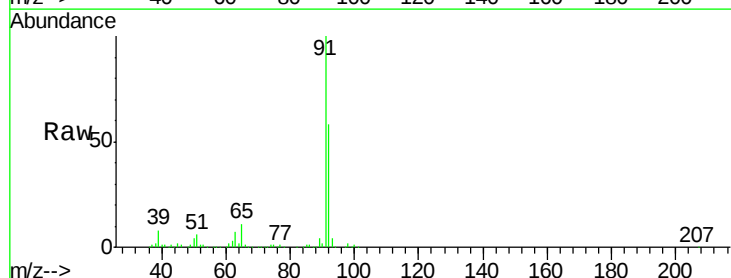
Acq: 15 Feb 2019 22:26

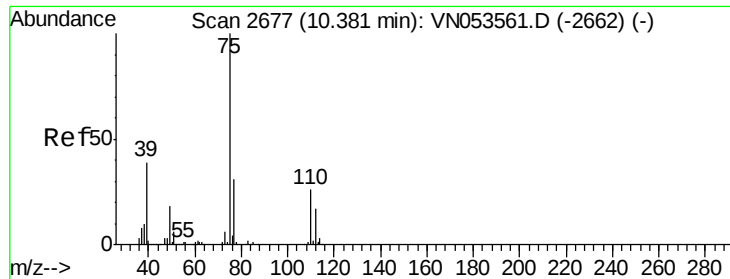
Tgt Ion: 92 Resp: 760382

Ion Ratio Lower Upper

92 100

91 174.7 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 48.693 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

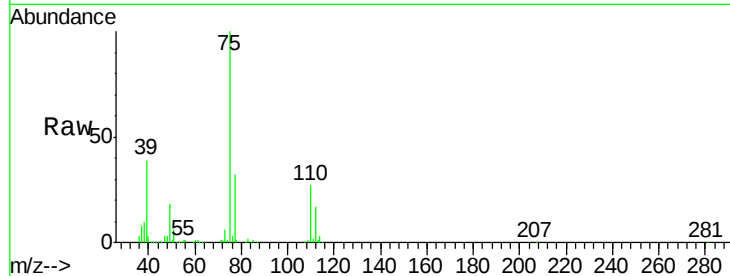
ClientSampleId :

Tot Ion: 75 Resp: 413265

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

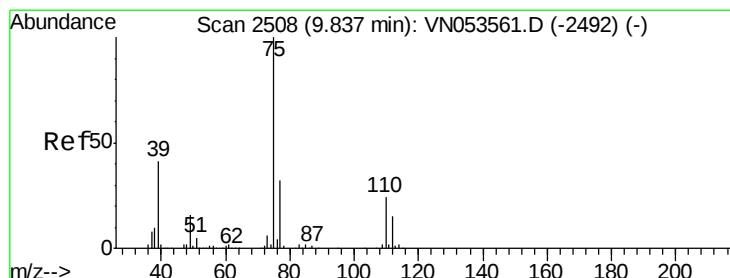
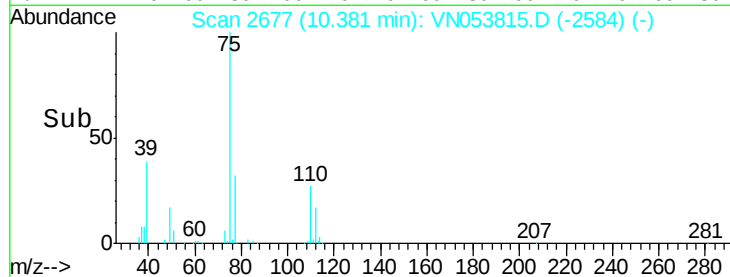
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.432 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

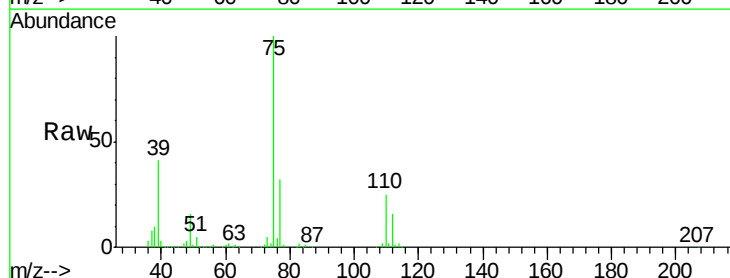
Tgt Ion: 75 Resp: 487081

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

39 40.5 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

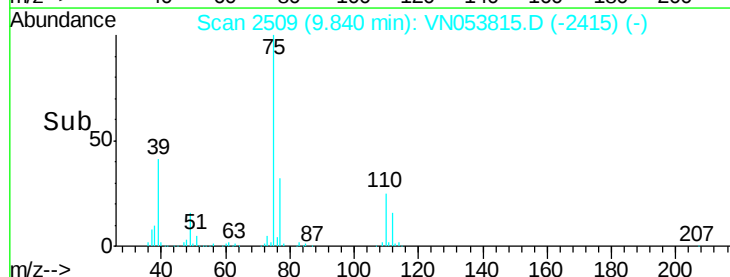
300000

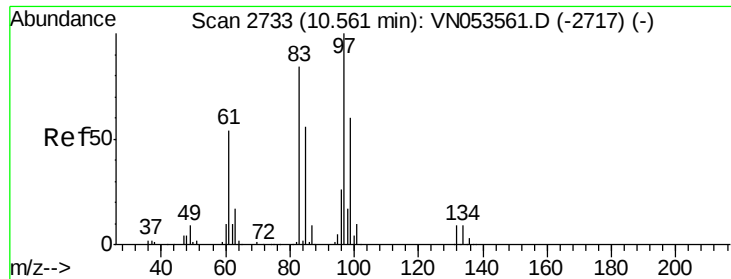
200000

100000

0

Time-->

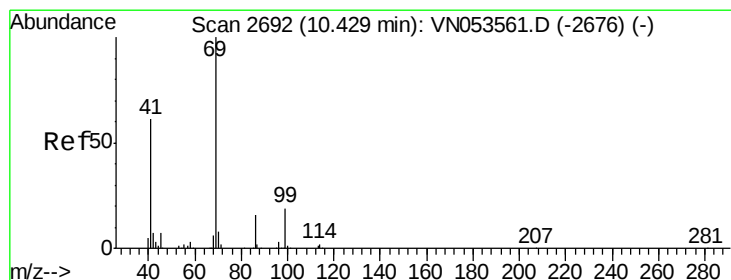
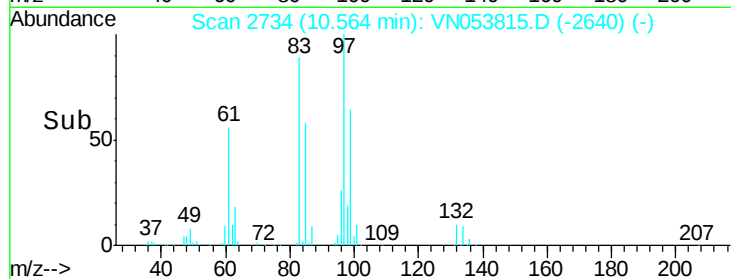
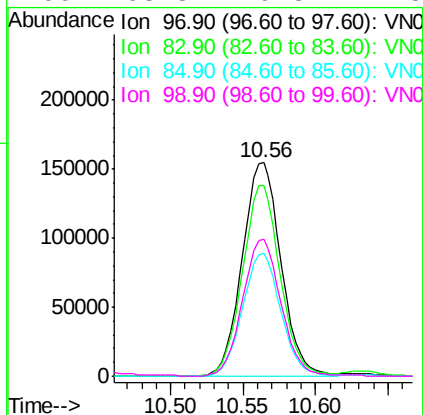
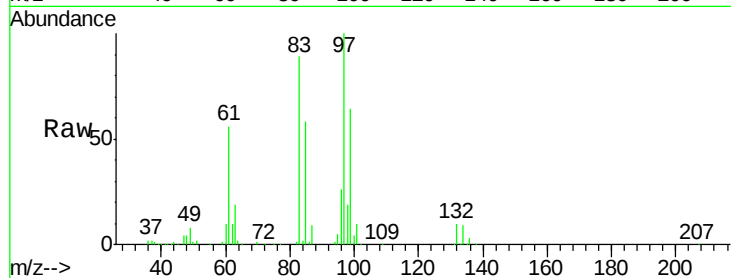




#55
 1,1,2-Trichloroethane
 Concen: 50.951 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

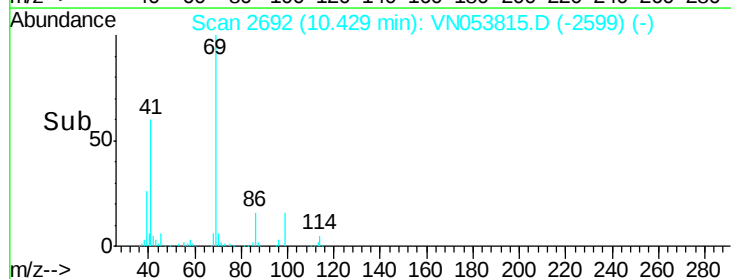
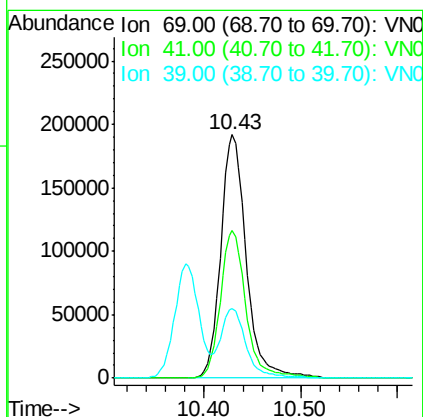
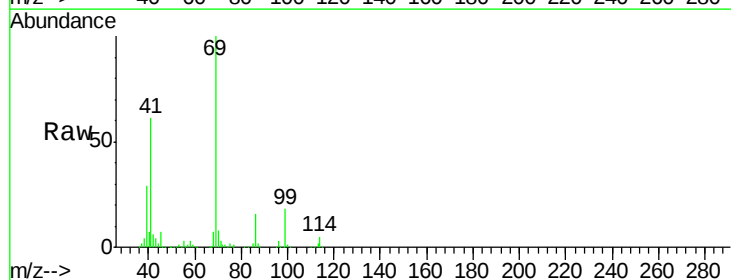
Instrument :
 MSVOA_N
 ClientSampleId :

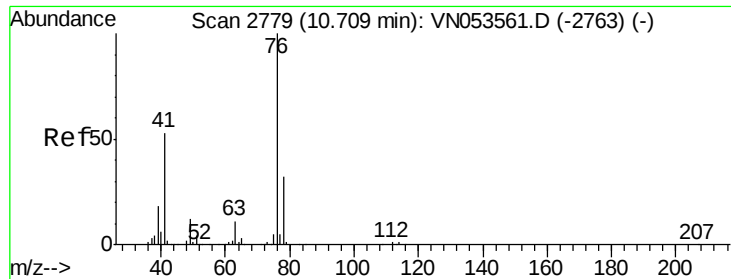
Tot Ion: 97 Resp: 288088
 Ion Ratio Lower Upper
 97 100
 83 89.3 70.1 105.1
 85 57.7 45.4 68.0
 99 63.8 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 52.501 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 69 Resp: 351169
 Ion Ratio Lower Upper
 69 100
 41 60.5 49.4 74.0
 39 28.7 23.3 34.9

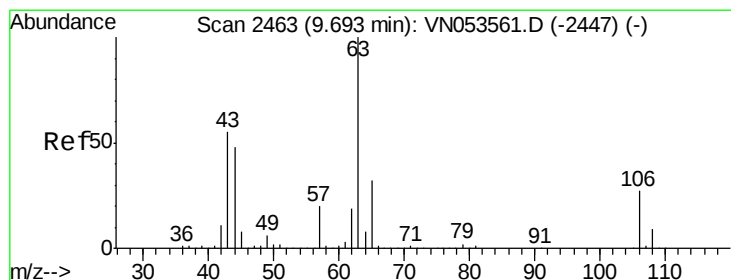
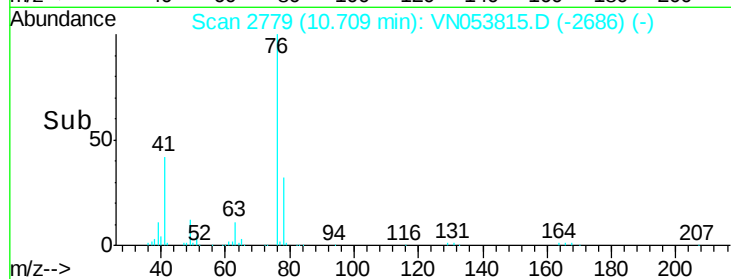
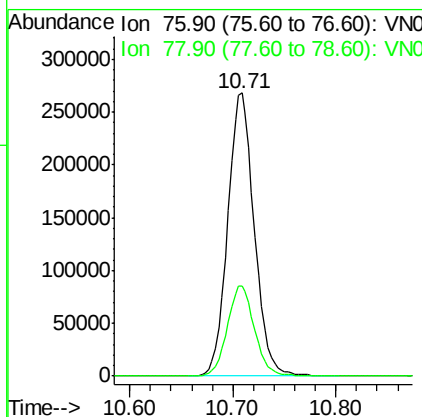
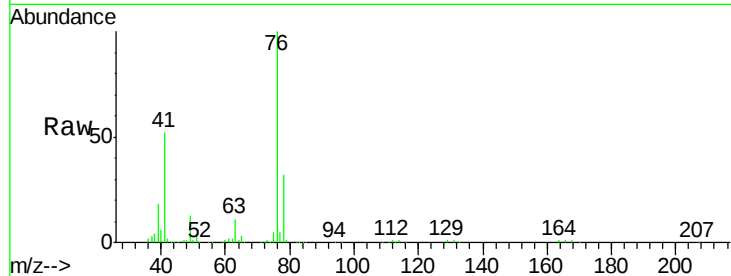




#57
 1,3-Dichloropropane
 Concen: 49.764 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

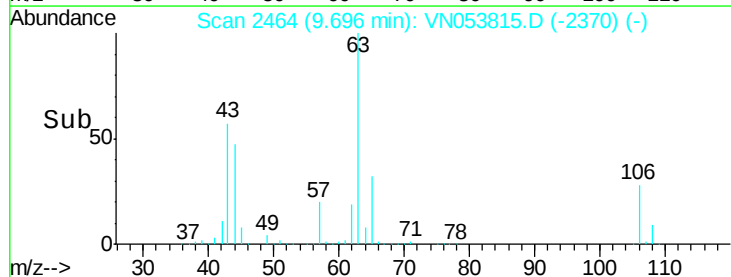
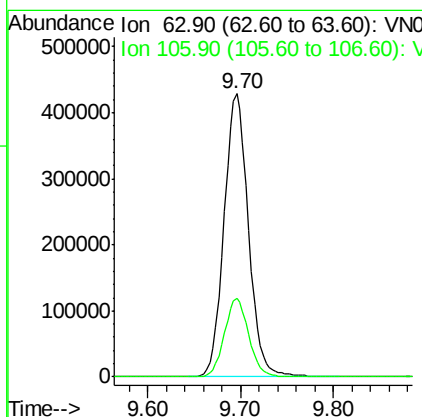
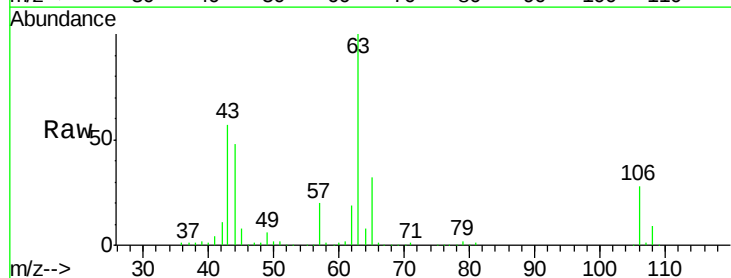
Instrument :
 MSVOA_N
 ClientSampled :

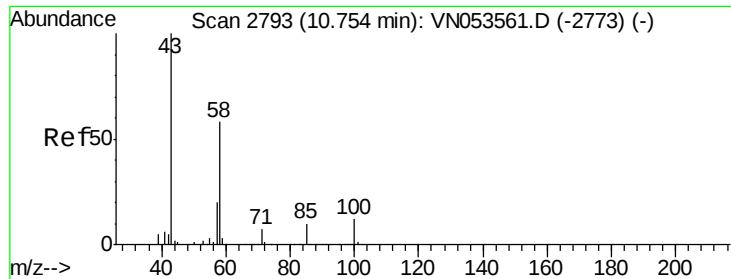
Tot Ion: 76 Resp: 480883
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 190.447 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 63 Resp: 781849
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.5 32.3

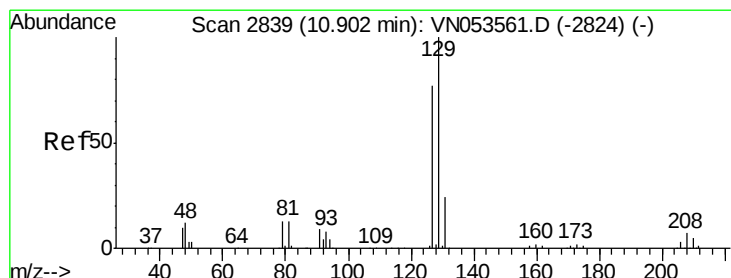
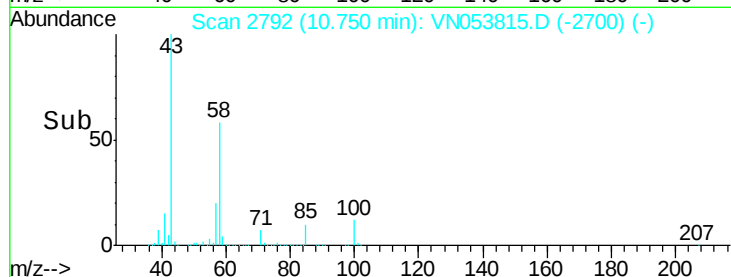
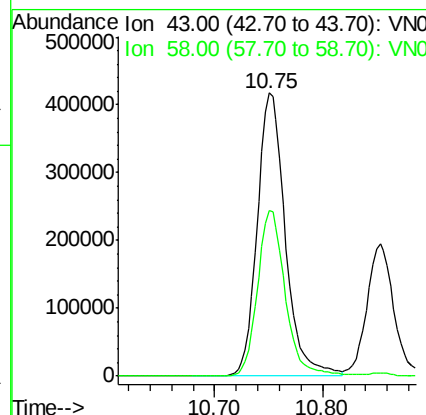
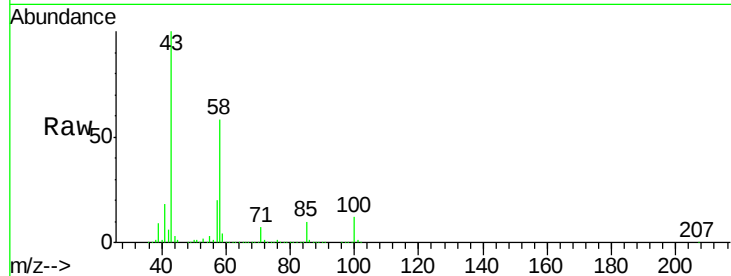




#59
2-Hexanone
Concen: 243.514 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

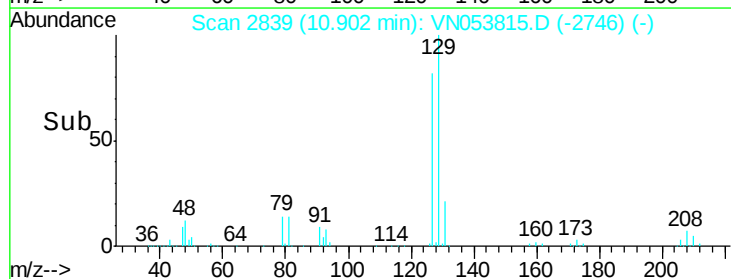
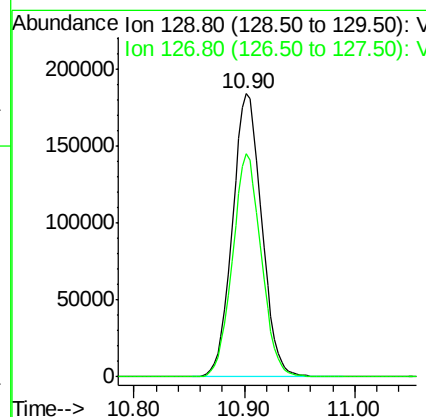
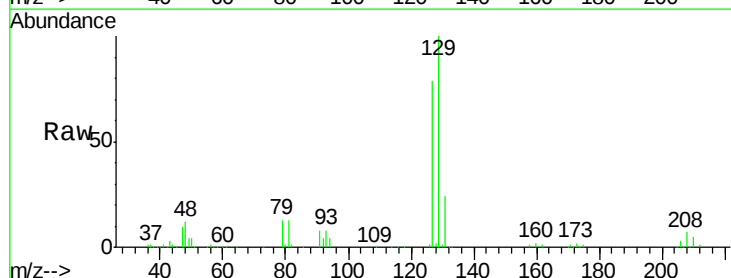
Instrument :
MSVOA_N
ClientSampled :

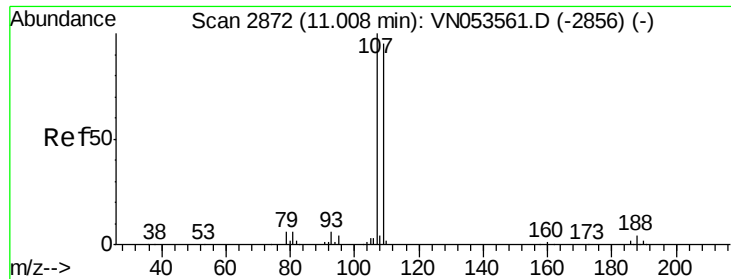
Tot Ion: 43 Resp: 751214
Ion Ratio Lower Upper
43 100
58 58.1 28.6 85.8



#60
Dibromochloromethane
Concen: 53.210 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 129 Resp: 339273
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.535 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

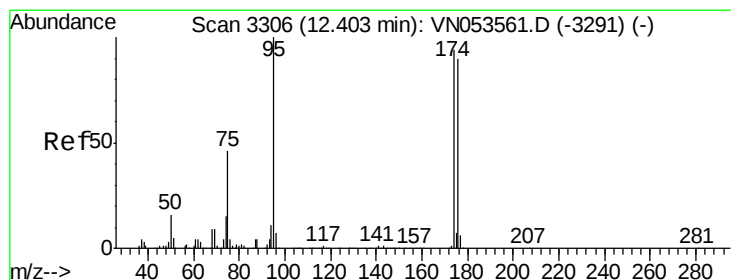
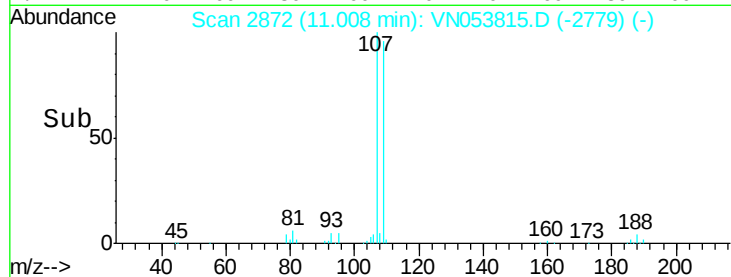
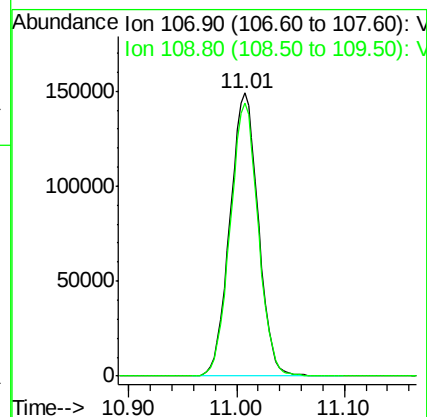
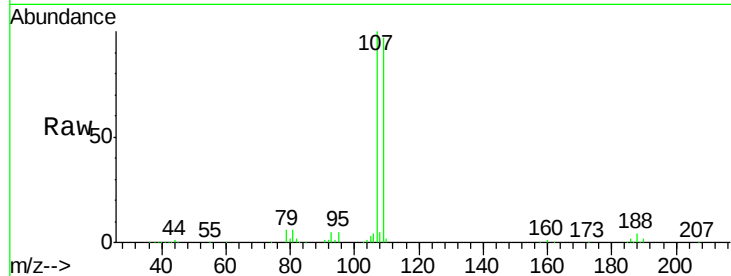
ClientSampleId :

Tot Ion: 107 Resp: 271615

Ion Ratio Lower Upper

107 100

109 95.3 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 50.526 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

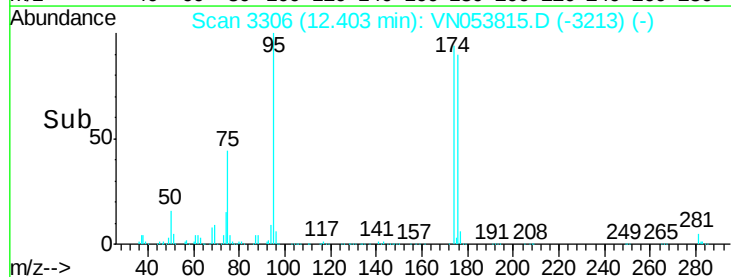
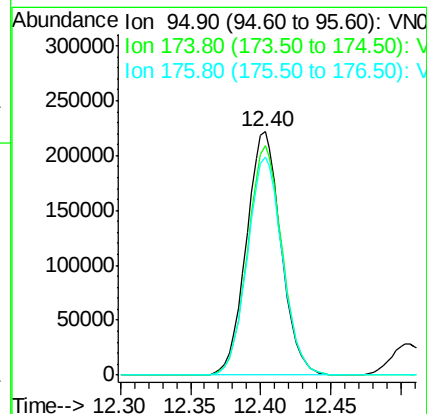
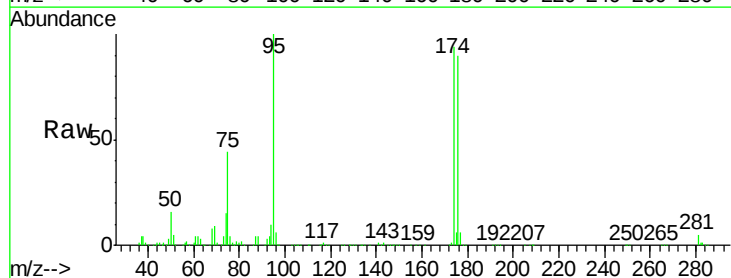
Tgt Ion: 95 Resp: 380249

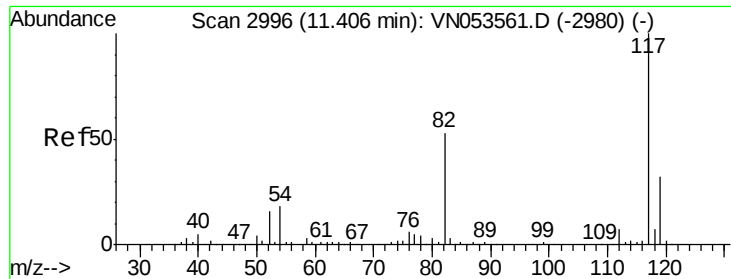
Ion Ratio Lower Upper

95 100

174 94.2 0.0 183.2

176 90.9 0.0 177.4

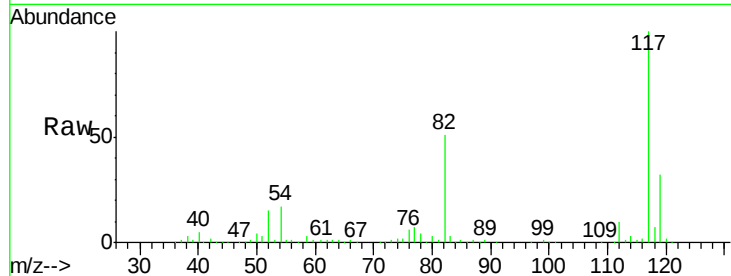




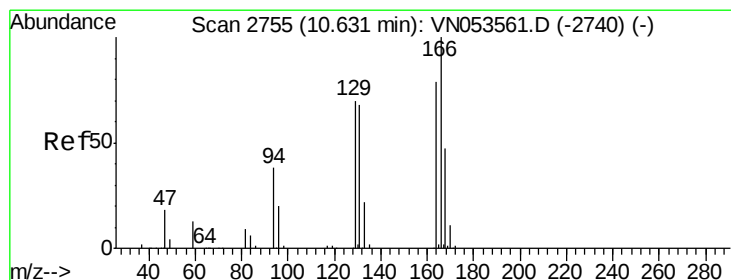
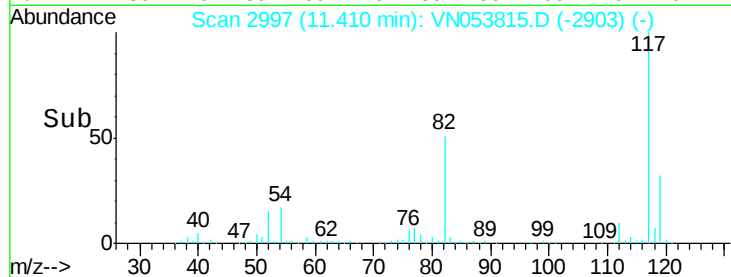
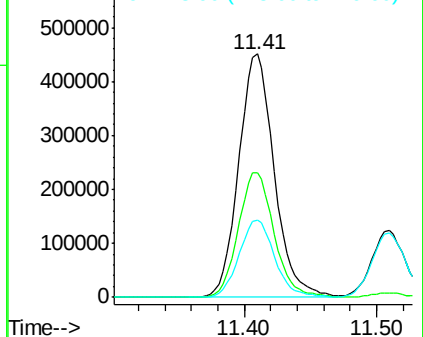
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 839777
Ion Ratio Lower Upper
117 100
82 51.4 42.9 64.3
119 31.9 26.0 39.0

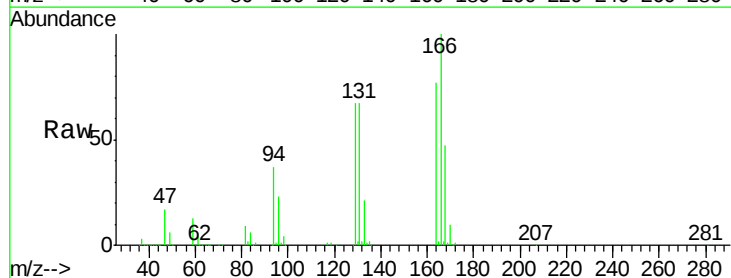


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

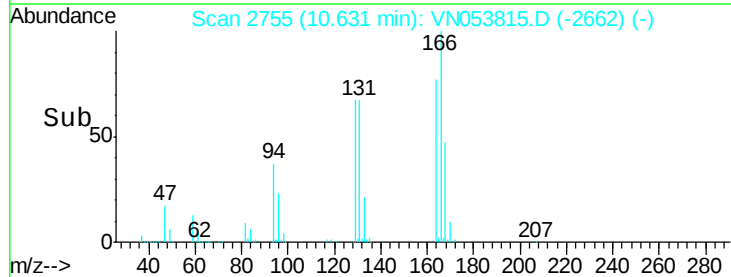
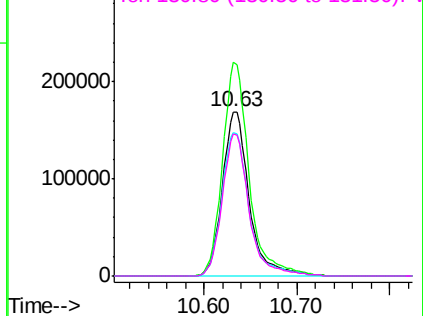


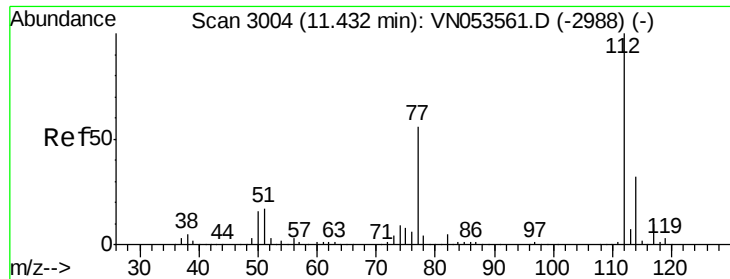
#64
Tetrachloroethene
Concen: 46.968 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion:164 Resp: 338108
Ion Ratio Lower Upper
164 100
166 130.1 102.2 153.4
129 87.6 72.6 109.0
131 86.7 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

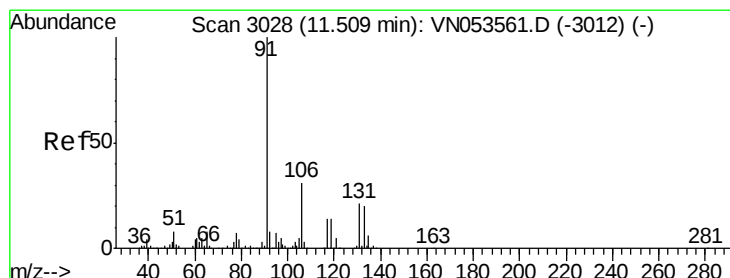
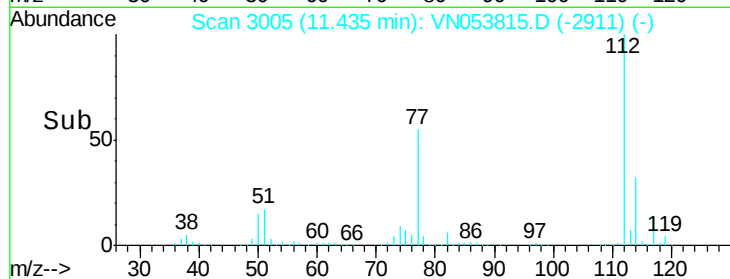
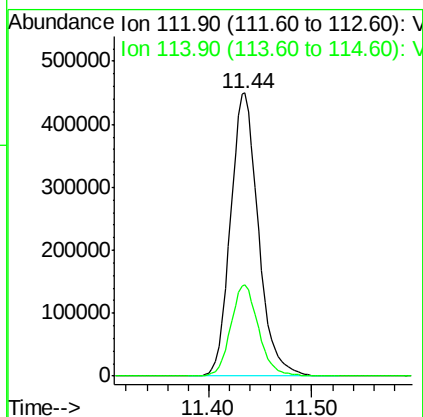
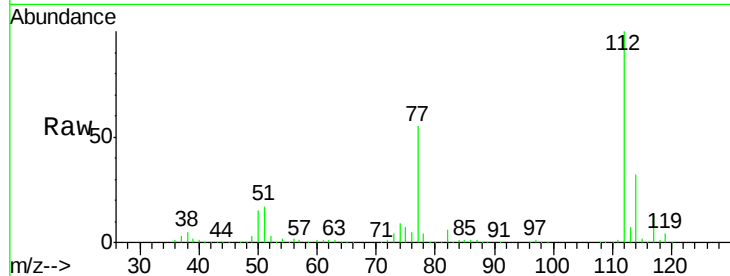




#65
Chlorobenzene
Concen: 47.434 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

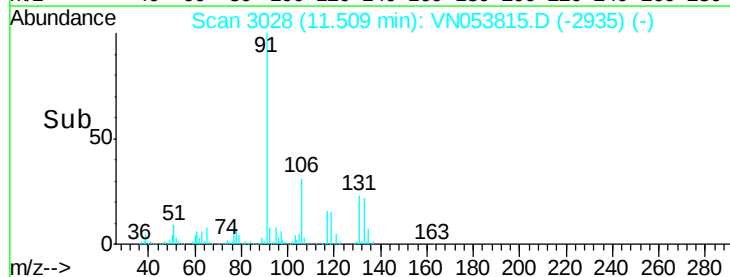
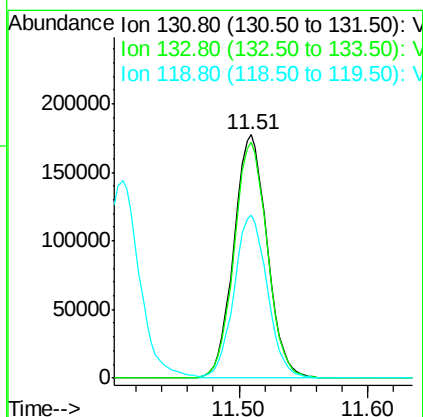
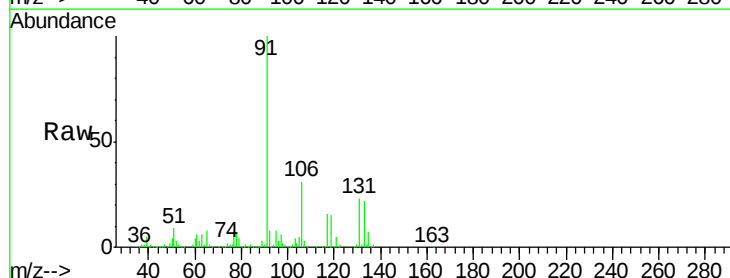
Instrument :
MSVOA_N
ClientSampled :

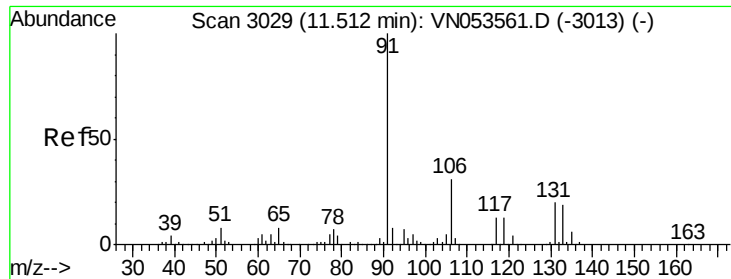
Tot Ion:112 Resp: 846109
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.158 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion:131 Resp: 318700
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 66.8 33.5 100.5

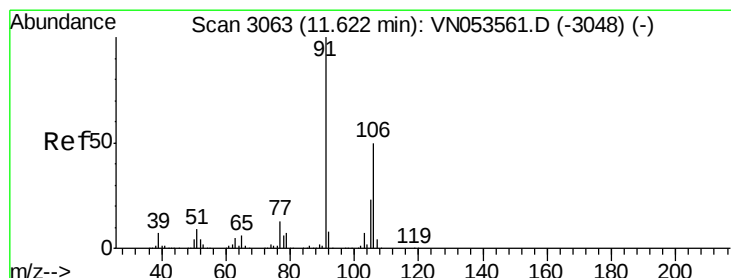
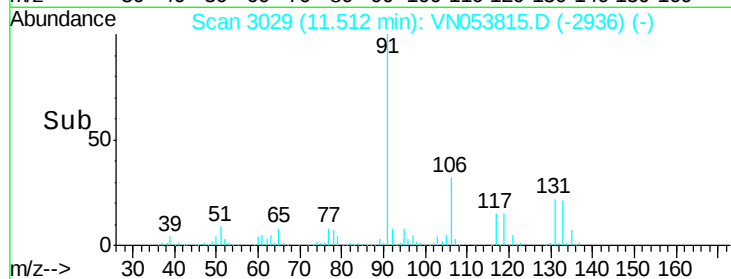
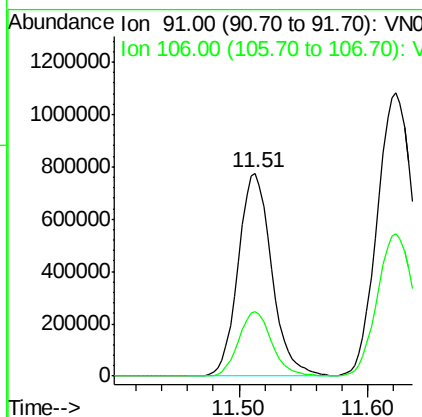
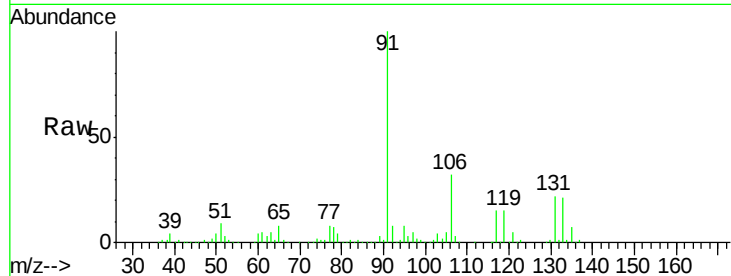




#67
Ethyl Benzene
Concen: 48.013 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

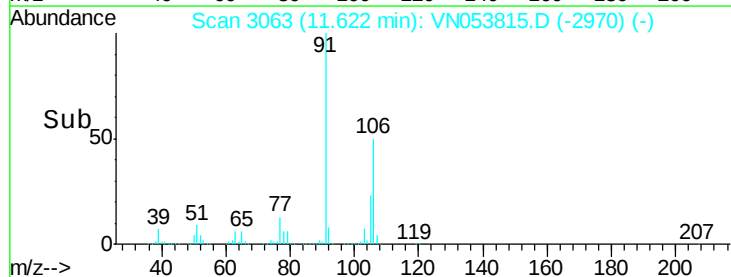
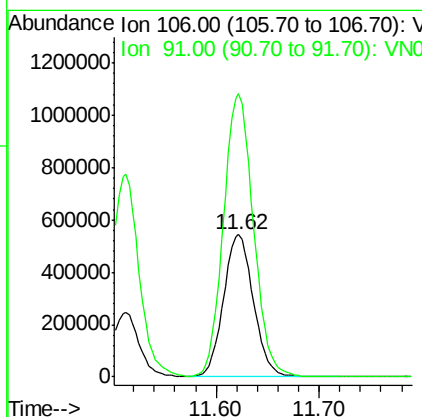
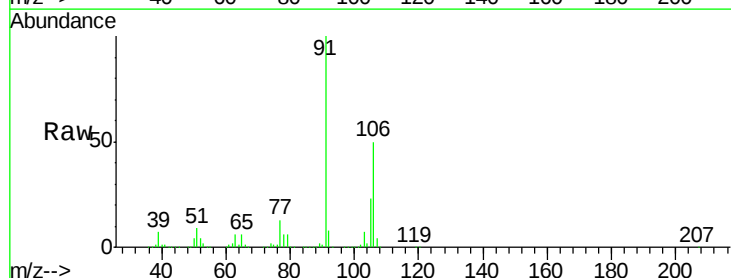
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 1406872
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6



#68
m/p-Xylenes
Concen: 97.934 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 106 Resp: 1095243
Ion Ratio Lower Upper
106 100
91 199.6 161.4 242.2

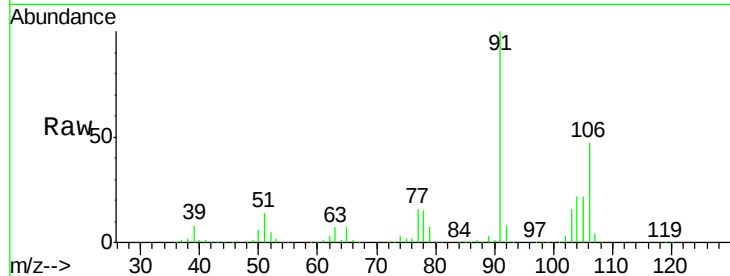




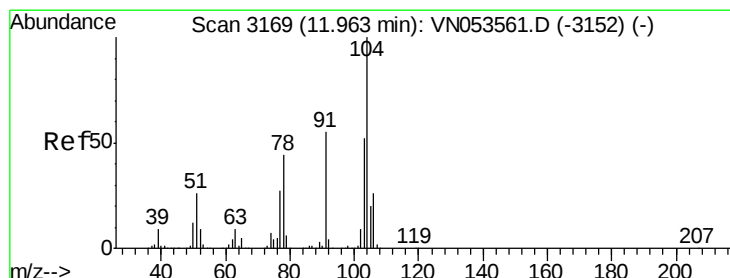
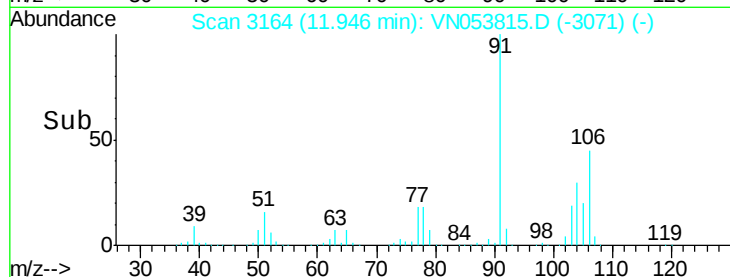
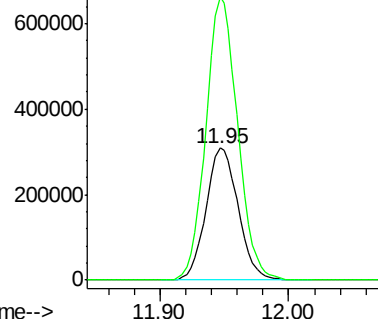
#69
o-Xylene
Concen: 49.531 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 535151
Ion Ratio Lower Upper
106 100
91 211.6 106.9 320.8

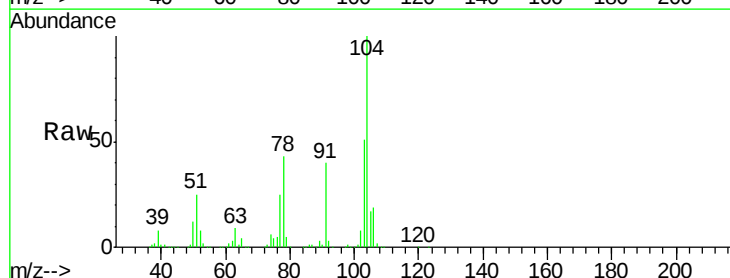


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

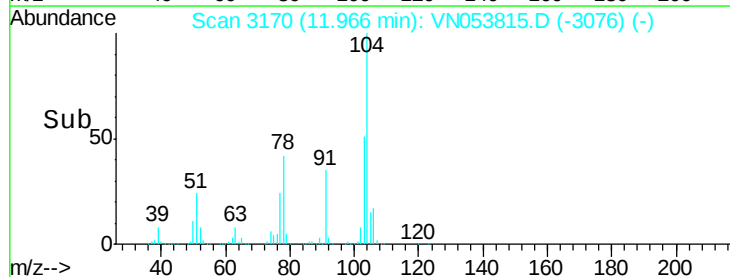
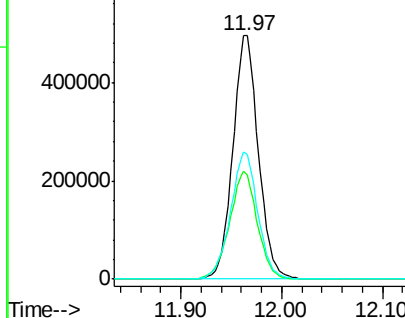


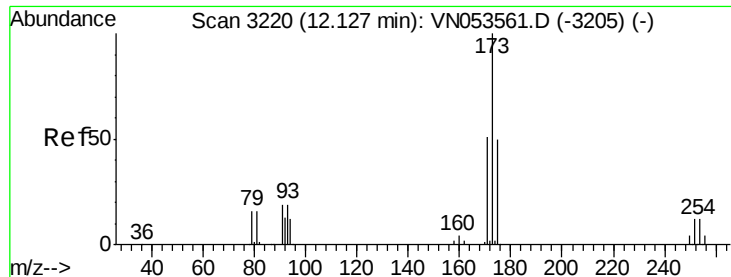
#70
Styrene
Concen: 49.635 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion:104 Resp: 869196
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.8 44.4 66.6



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

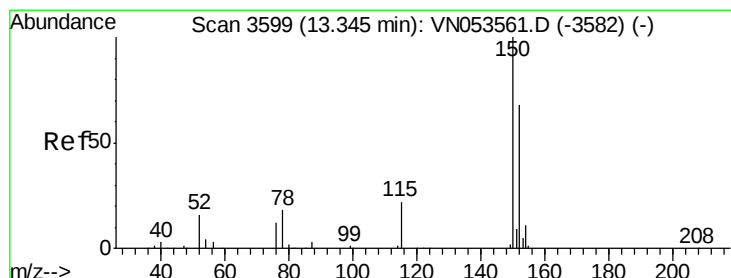
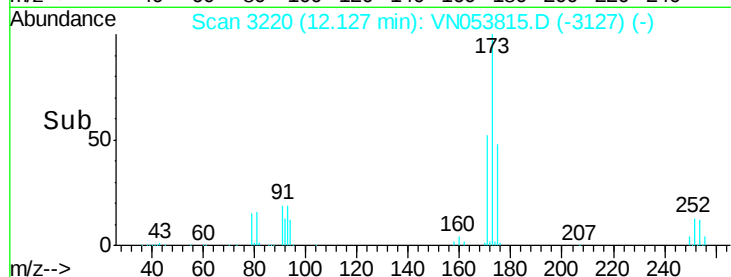
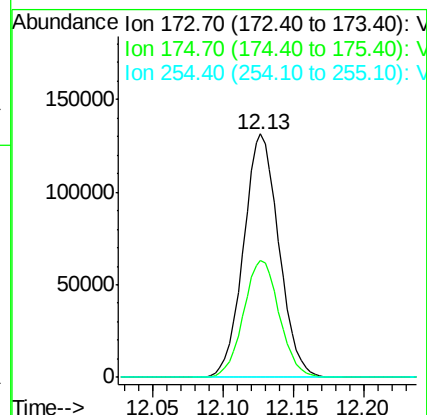
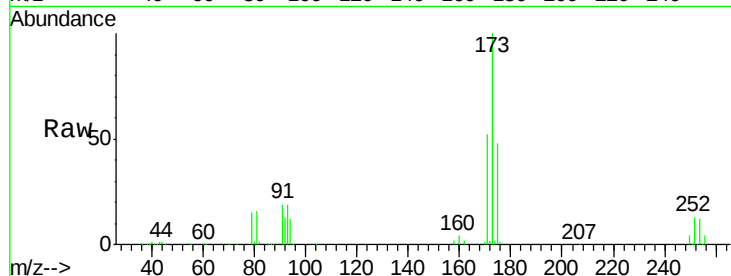




#71
Bromoform
Concen: 53.943 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

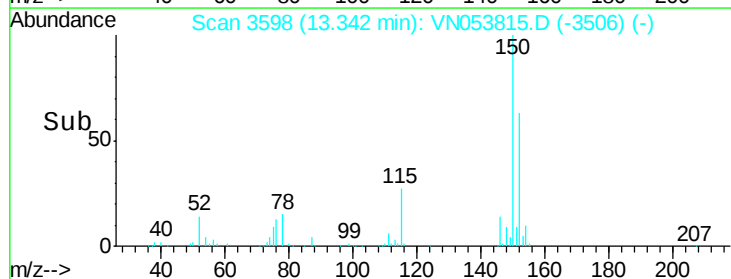
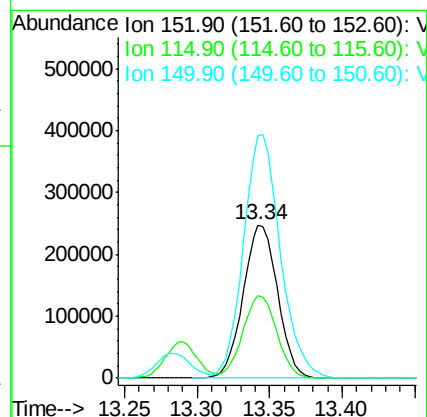
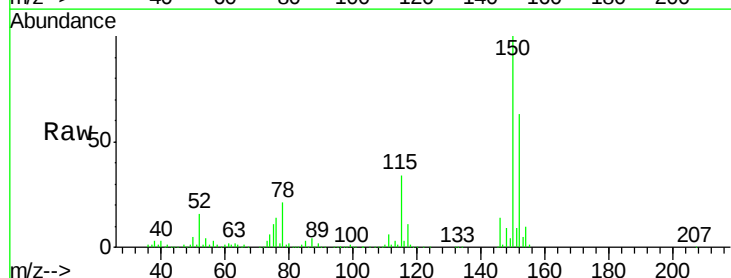
Instrument :
MSVOA_N
ClientSampled :

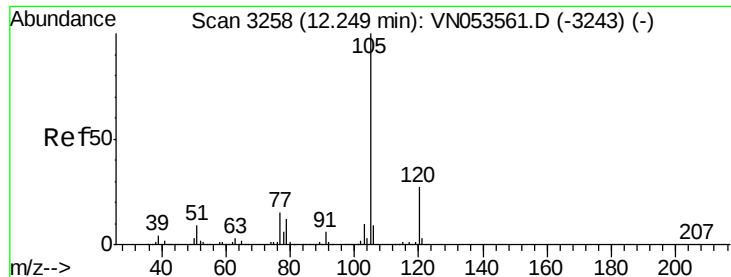
Tot Ion:173 Resp: 230387
Ion Ratio Lower Upper
173 100
175 48.7 24.6 74.0
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion:152 Resp: 408152
Ion Ratio Lower Upper
152 100
115 53.5 27.8 83.4
150 171.0 0.0 349.0





#73

Isopropylbenzene

Concen: 48.924 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

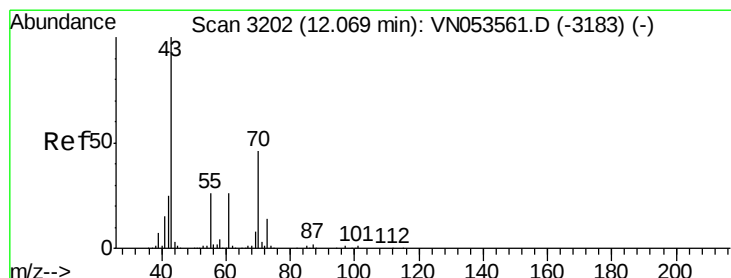
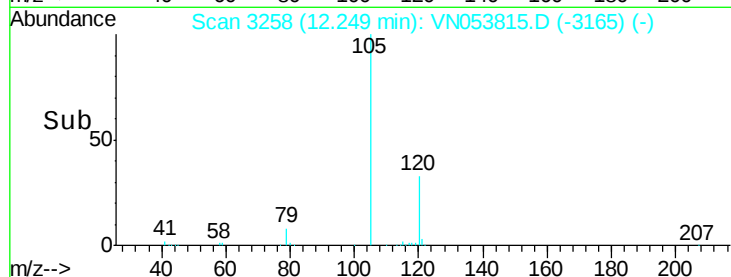
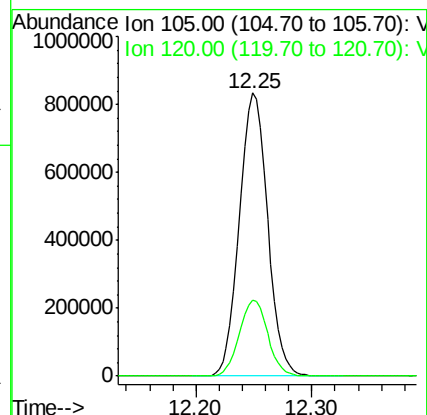
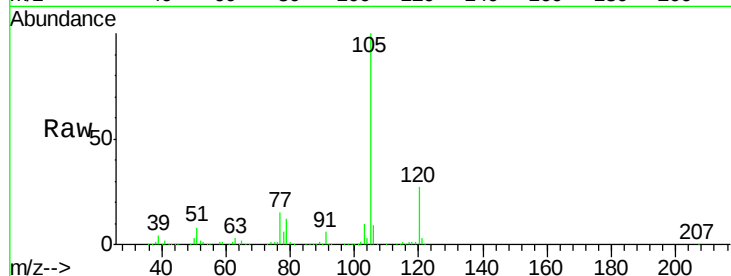
ClientSampleId :

Tot Ion:105 Resp: 1403767

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 49.912 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion: 43 Resp: 344374

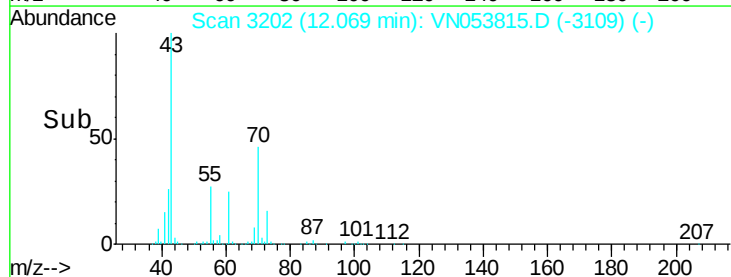
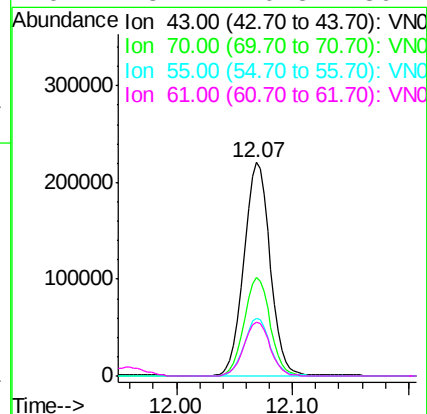
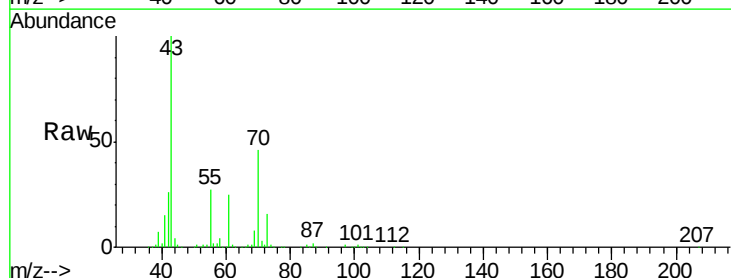
Ion Ratio Lower Upper

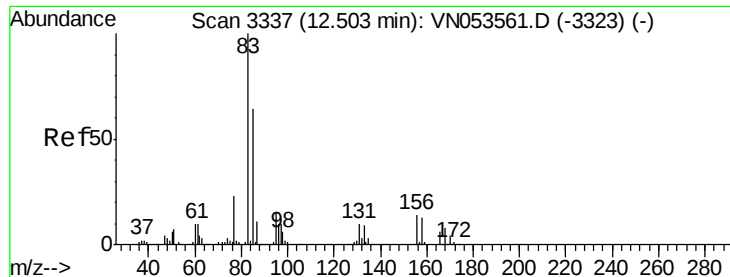
43 100

70 46.1 35.4 53.2

55 27.0 20.9 31.3

61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.225 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampled :

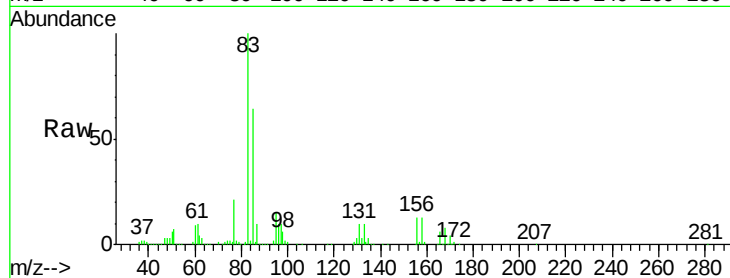
Tot Ion: 83 Resp: 338018

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

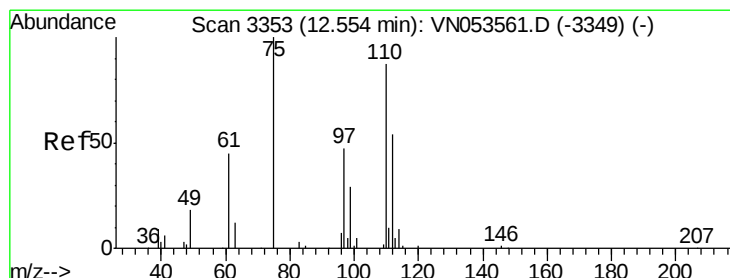
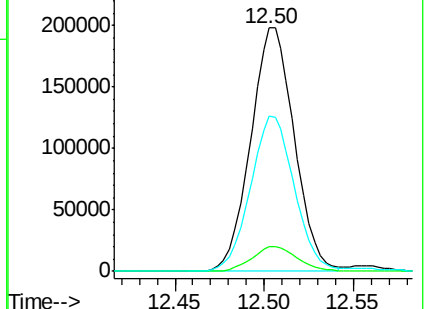
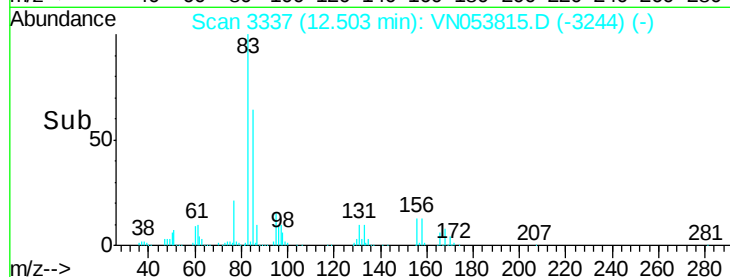
85 64.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053815.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053815.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053815.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 77.666 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053815.D

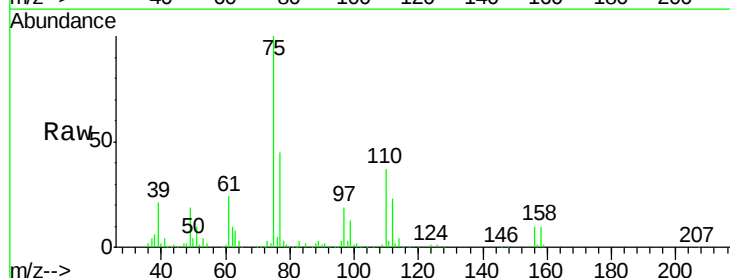
Acq: 15 Feb 2019 22:26

Tgt Ion: 75 Resp: 407162

Ion Ratio Lower Upper

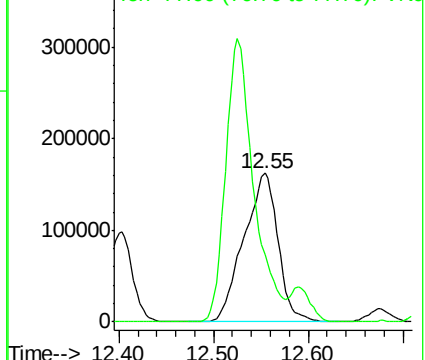
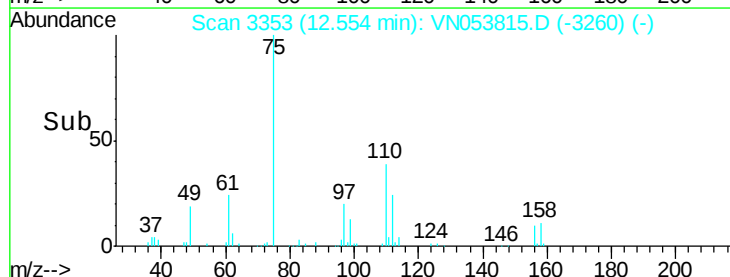
75 100

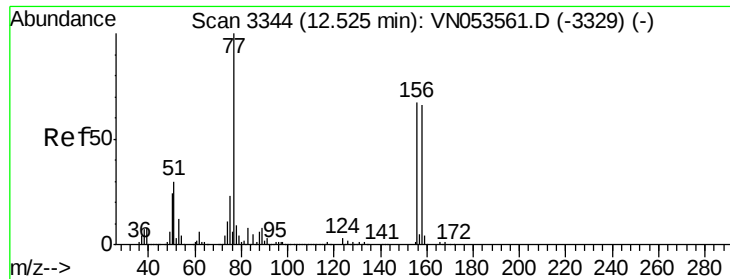
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053815.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053815.D (-3260) (-)





#77

Bromobenzene

Concen: 48.610 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

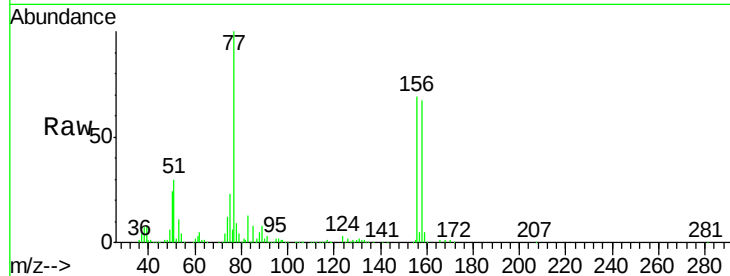
Tot Ion:156 Resp: 375891

Ion Ratio Lower Upper

156 100

77 170.3 87.9 263.8

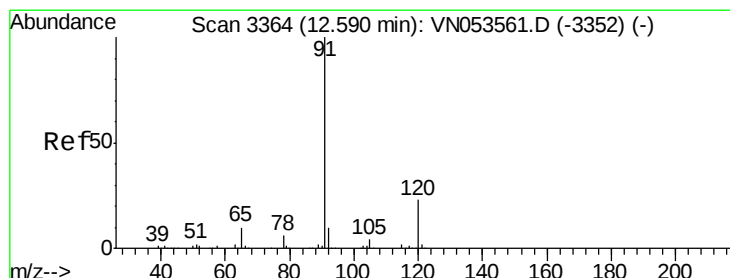
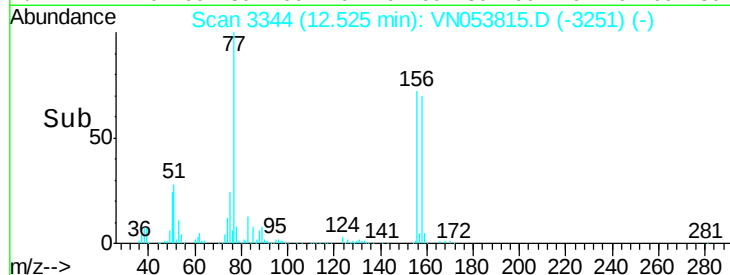
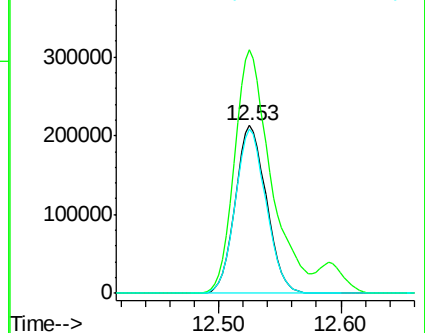
158 97.2 48.8 146.4



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: 48.401 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053815.D

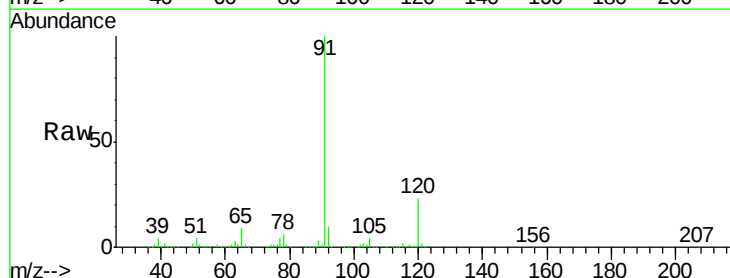
Acq: 15 Feb 2019 22:26

Tgt Ion: 91 Resp: 1605395

Ion Ratio Lower Upper

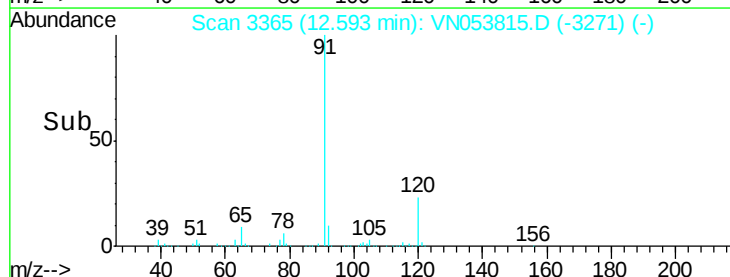
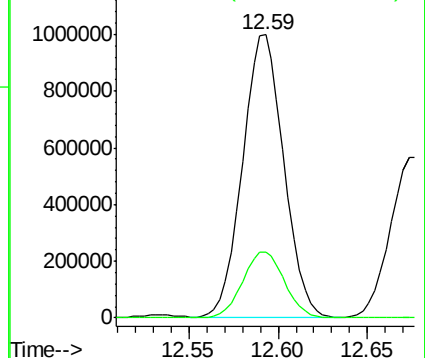
91 100

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: 48.560 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

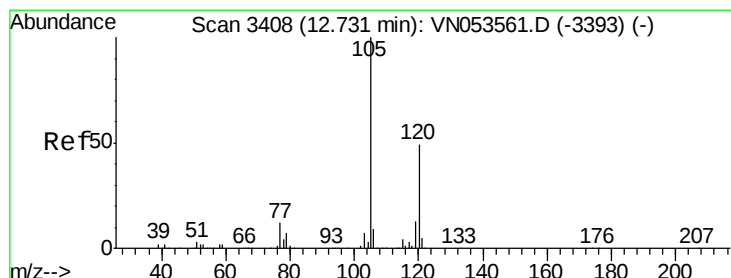
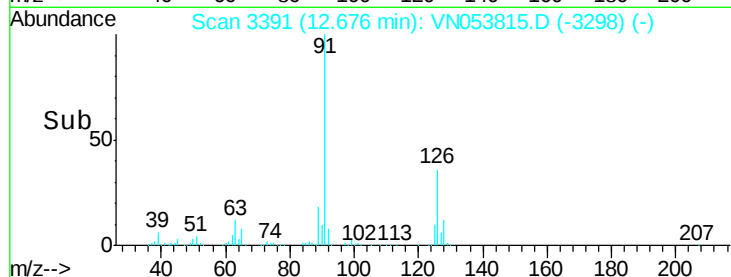
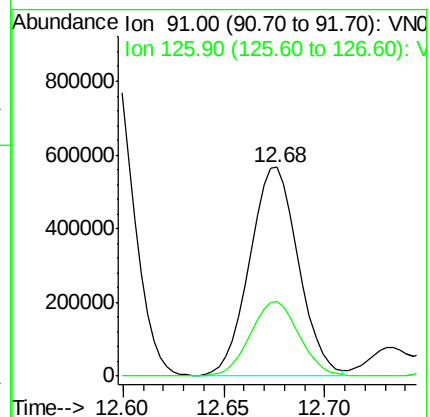
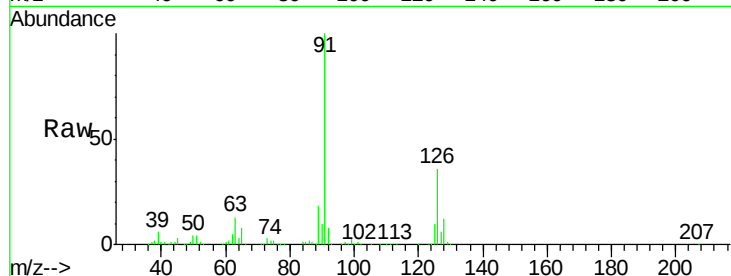
ClientSampled :

Tot Ion: 91 Resp: 955583

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 50.414 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053815.D

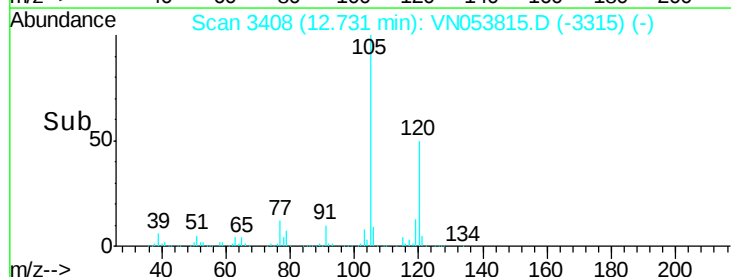
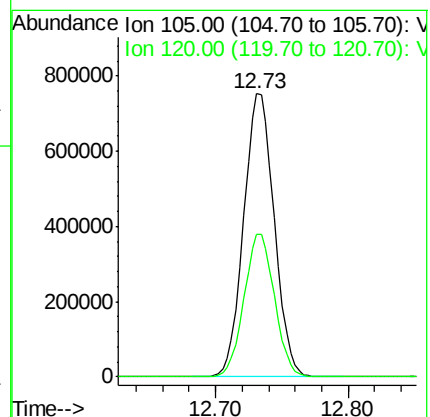
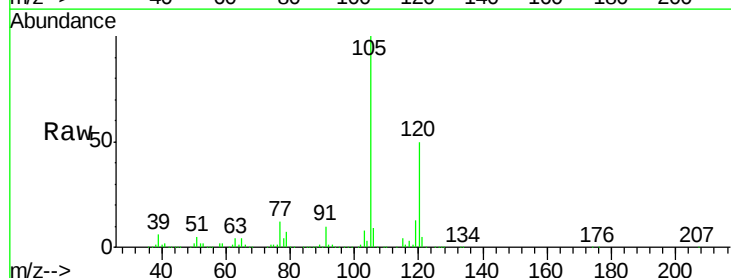
Acq: 15 Feb 2019 22:26

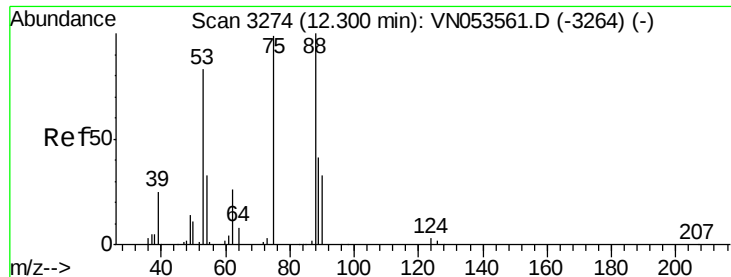
Tgt Ion: 105 Resp: 1199507

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.687 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampled :

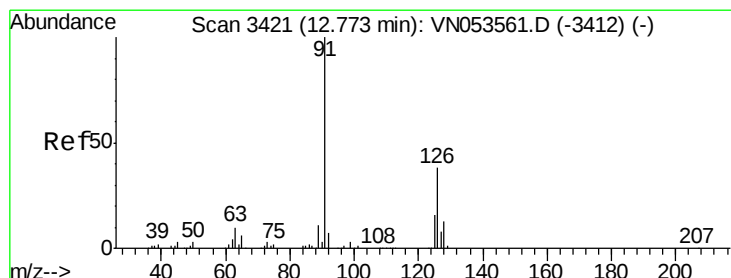
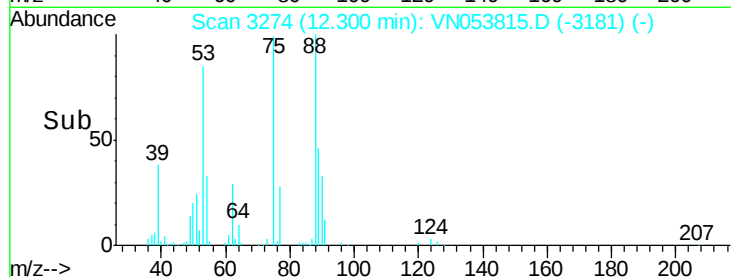
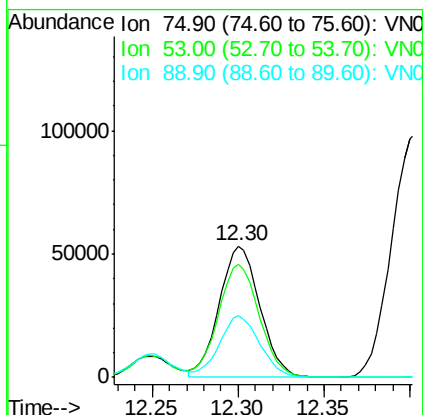
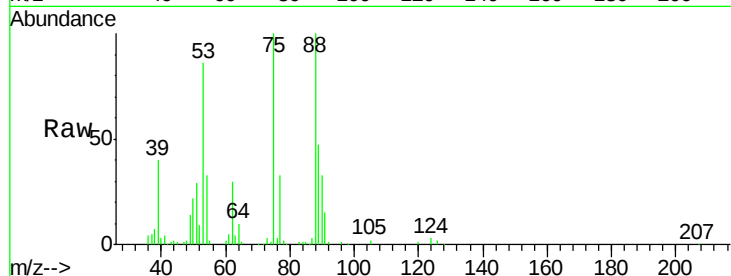
Tot Ion: 75 Resp: 87041

Ion Ratio Lower Upper

75 100

53 88.5 69.8 104.6

89 47.1 35.6 53.4



#82

4-Chlorotoluene

Concen: 48.031 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053815.D

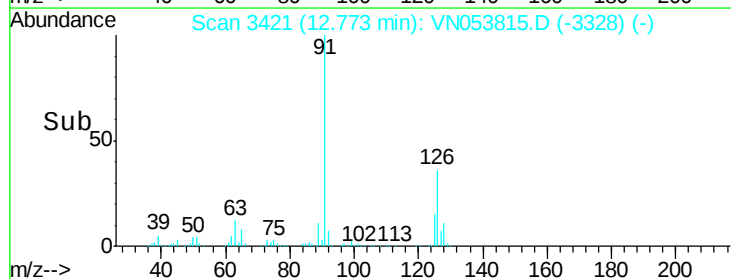
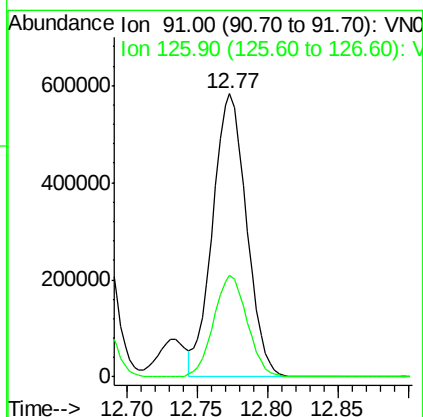
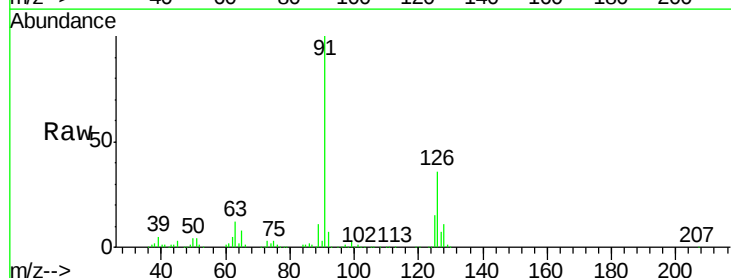
Acq: 15 Feb 2019 22:26

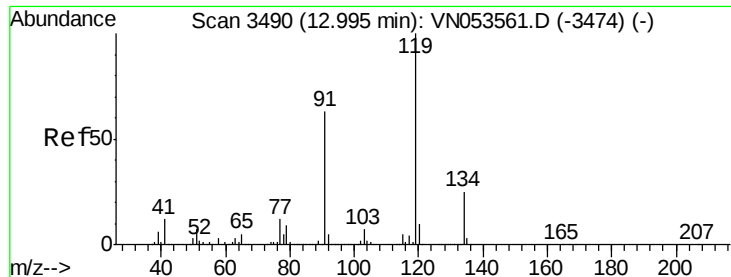
Tgt Ion: 91 Resp: 969885

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.9

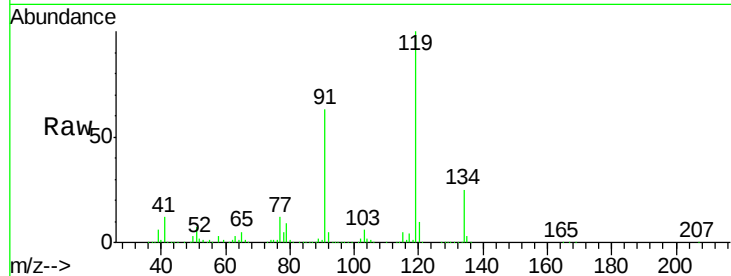




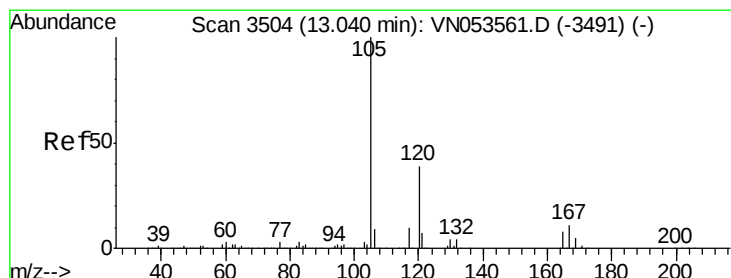
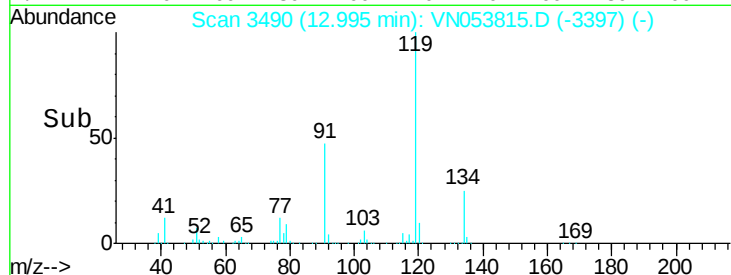
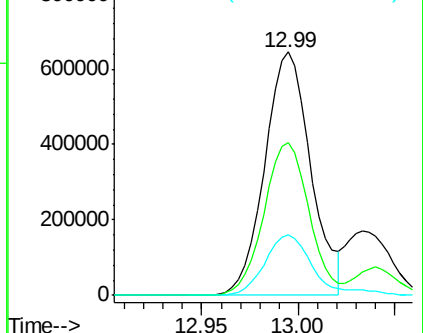
#83
tert-Butylbenzene
Concen: 50.670 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 1065524
Ion Ratio Lower Upper
119 100
91 61.9 31.3 93.8
134 26.3 12.9 38.7

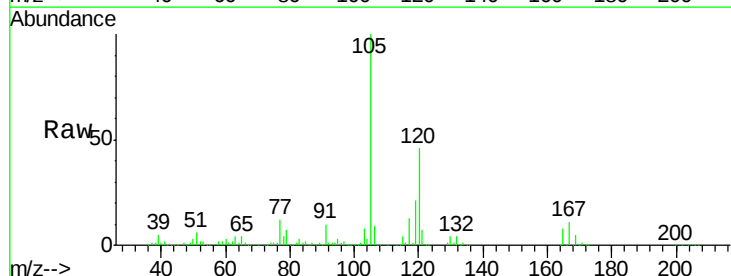


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

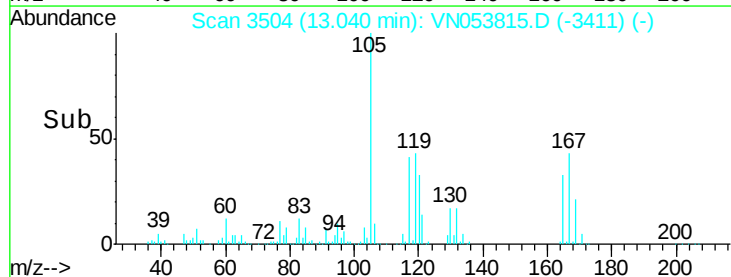
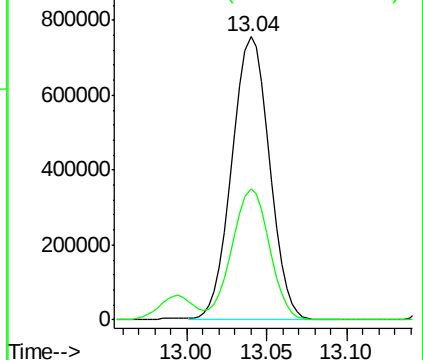


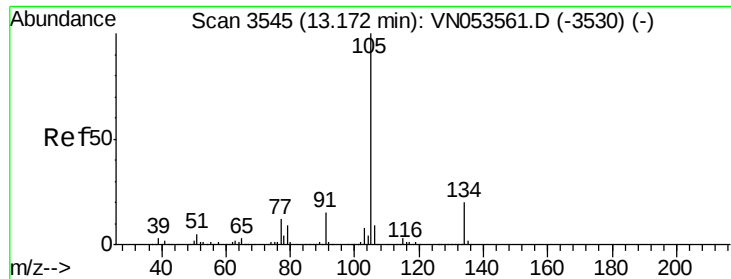
#84
1,2,4-Trimethylbenzene
Concen: 49.960 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion:105 Resp: 1211063
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: 50.144 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

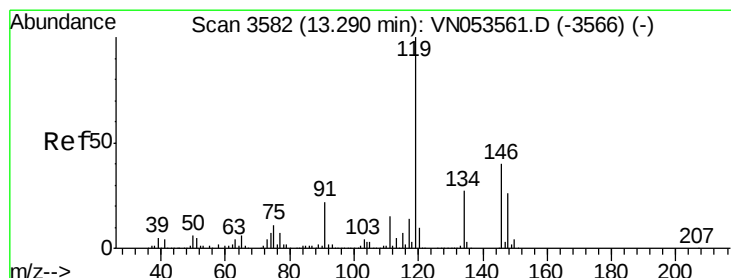
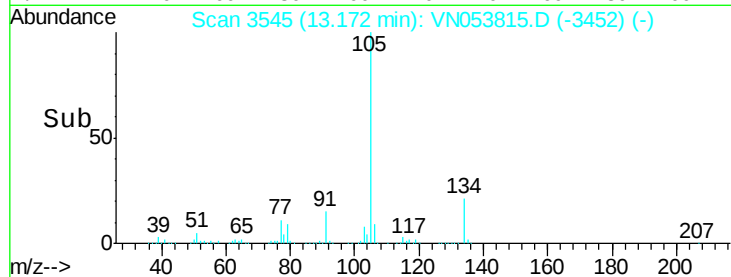
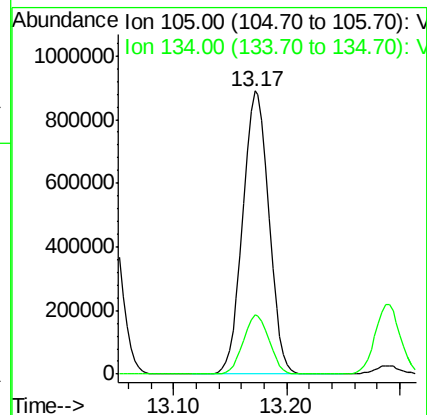
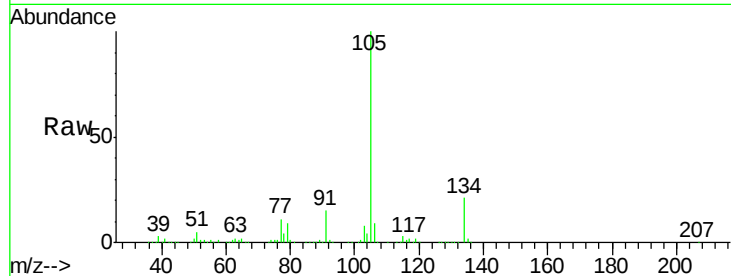
ClientSampleId :

Tot Ion:105 Resp: 1434947

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 50.512 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

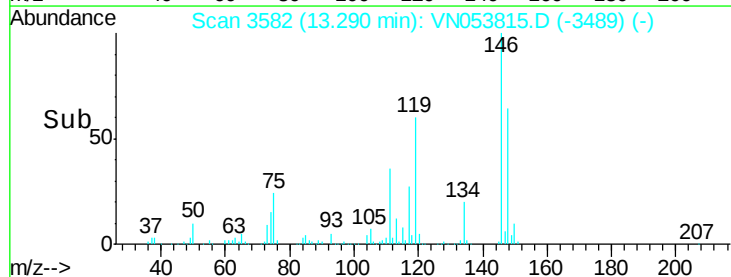
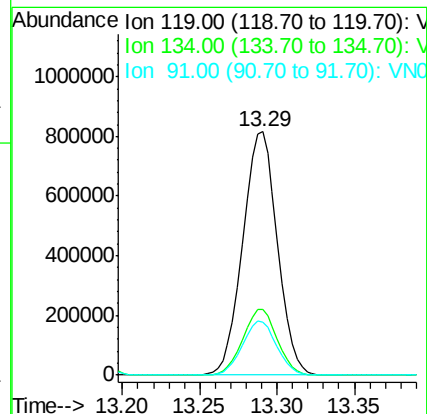
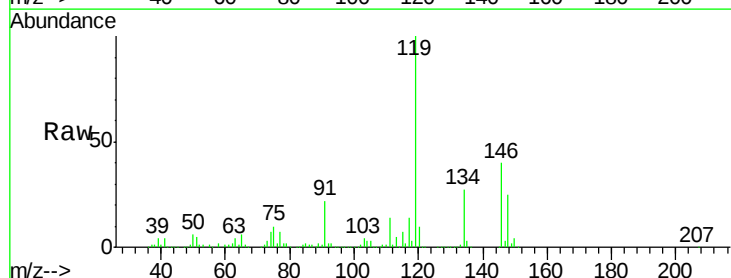
Tgt Ion:119 Resp: 1264194

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.9 11.0 33.0

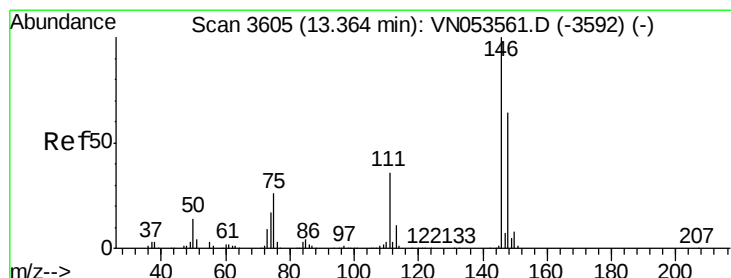
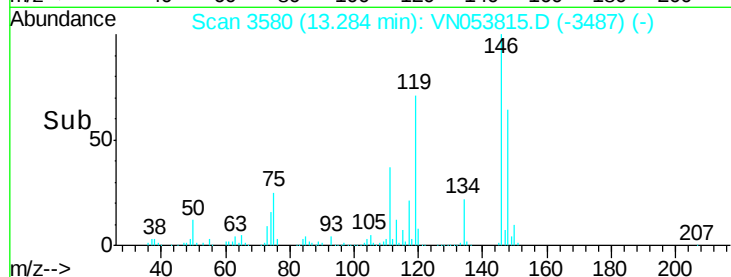
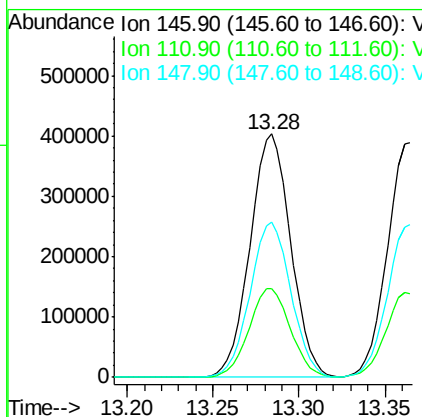
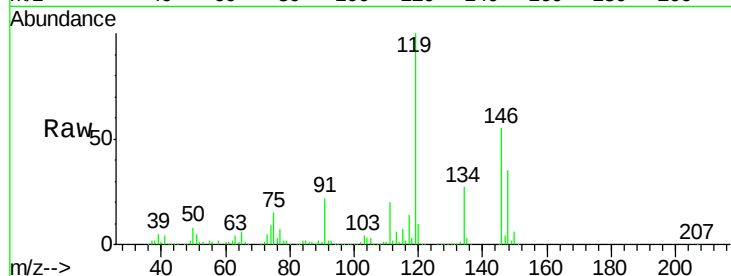




#87
 1,3-Dichlorobenzene
 Concen: 47.531 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

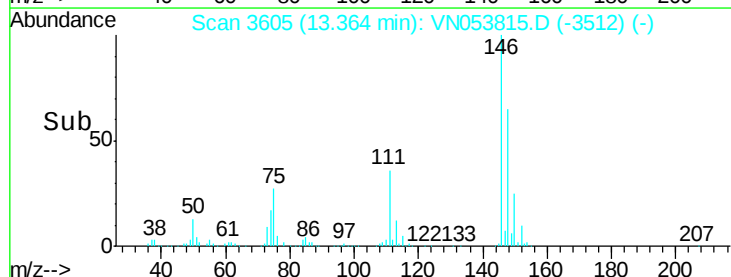
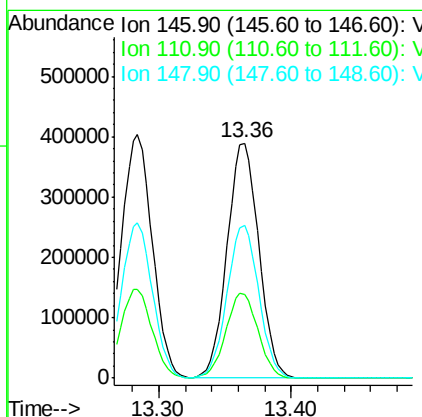
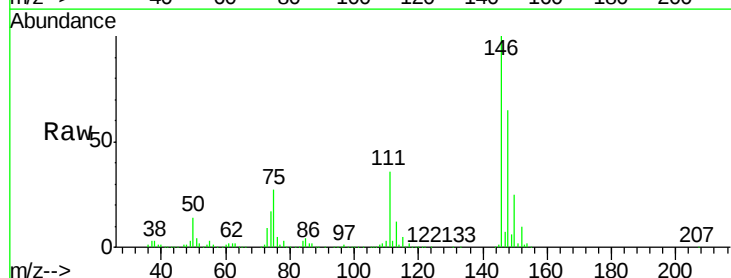
Instrument :
 MSVOA_N
 ClientSampleId :

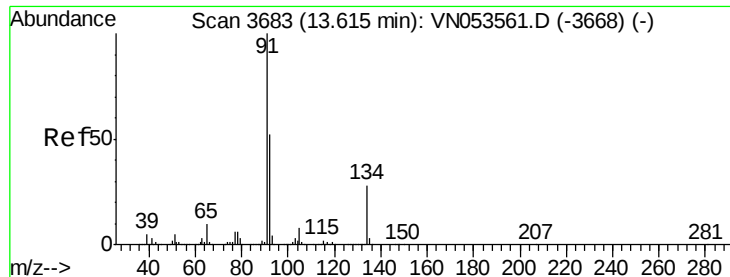
Tot Ion:146 Resp: 660730
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.046 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion:146 Resp: 646918
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.6 55.8
 148 65.0 32.4 97.0





#89

n-Butylbenzene

Concen: 48.003 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampled :

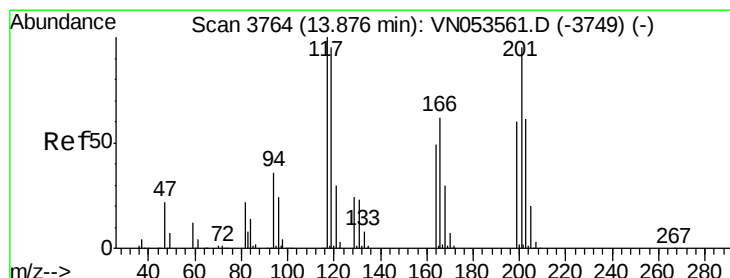
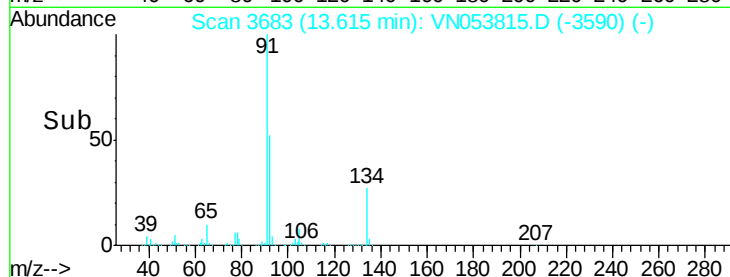
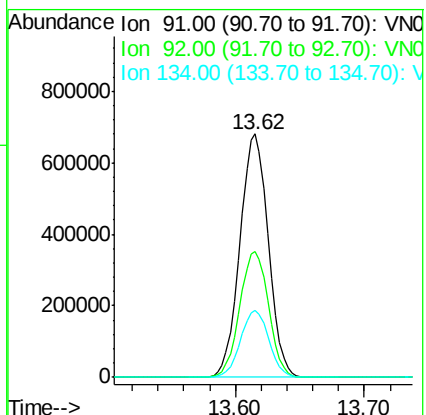
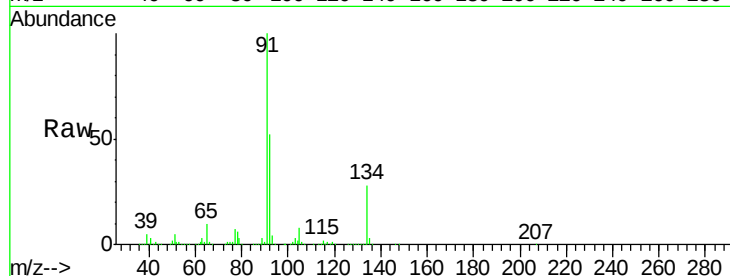
Tot Ion: 91 Resp: 1039883

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.8

134 27.5 13.5 40.5



#90

Hexachloroethane

Concen: 52.850 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053815.D

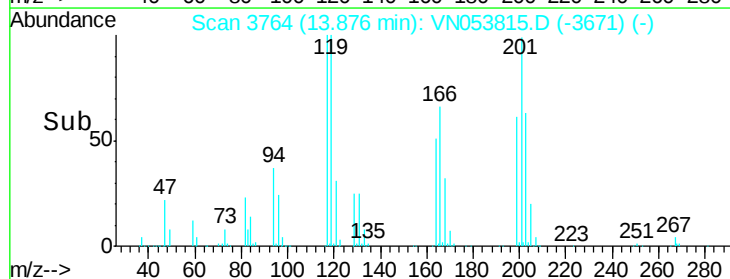
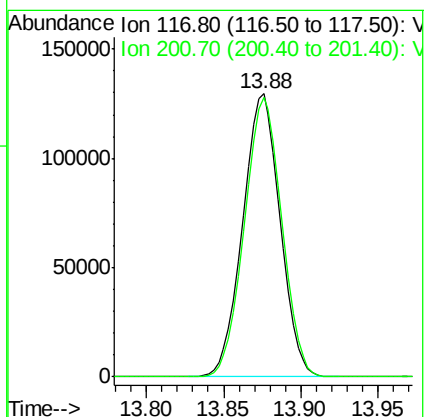
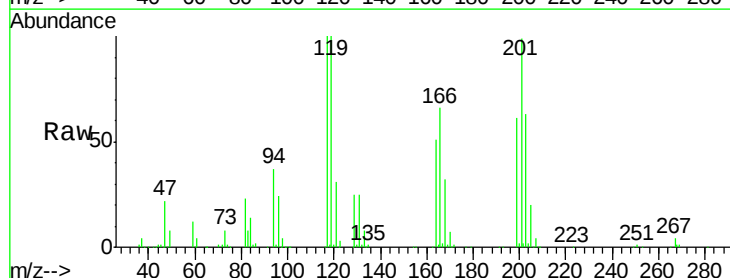
Acq: 15 Feb 2019 22:26

Tgt Ion: 117 Resp: 218175

Ion Ratio Lower Upper

117 100

201 98.7 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 49.077 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampled :

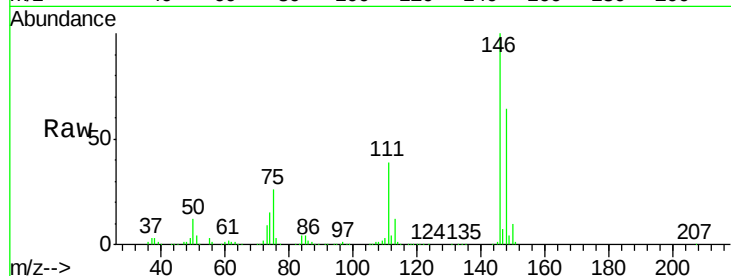
Tot Ion:146 Resp: 653116

Ion Ratio Lower Upper

146 100

111 39.0 19.5 58.5

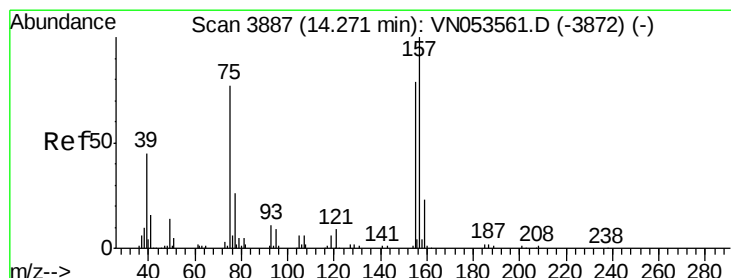
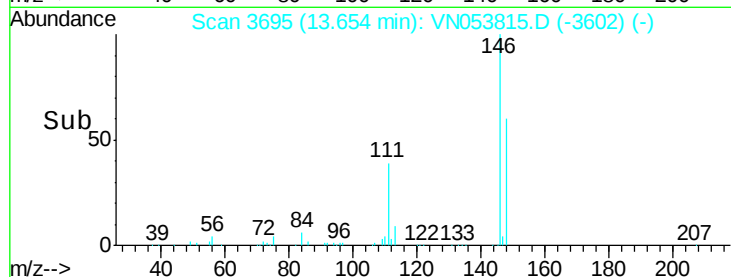
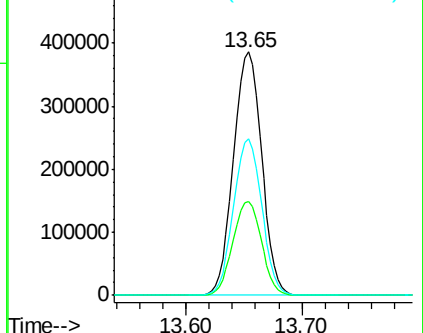
148 64.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.865 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

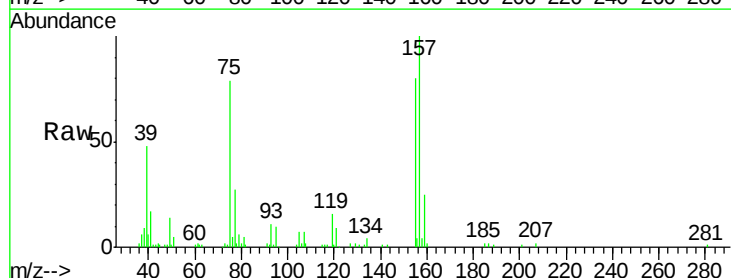
Tgt Ion: 75 Resp: 50757

Ion Ratio Lower Upper

75 100

155 100.4 48.9 146.7

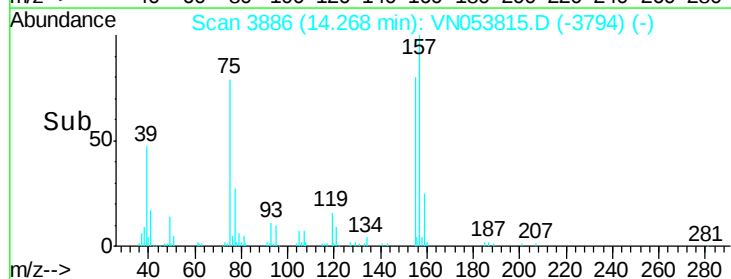
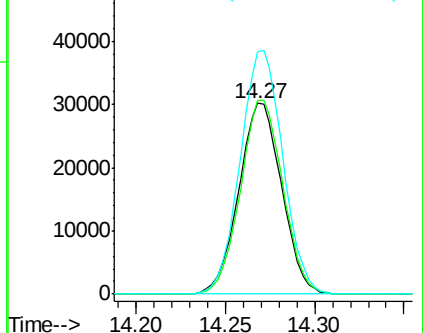
157 126.8 63.7 191.3

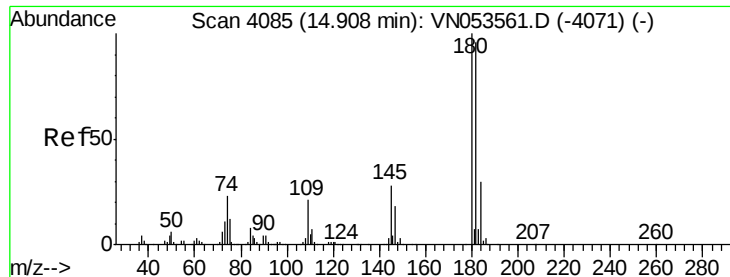


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

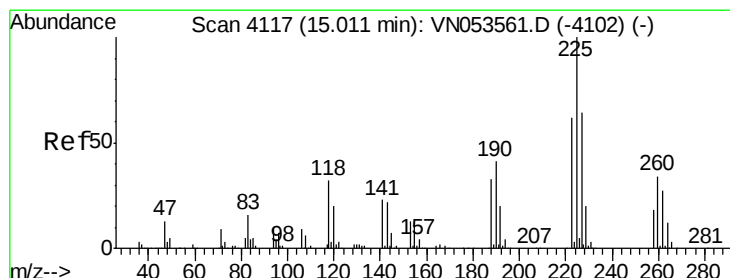
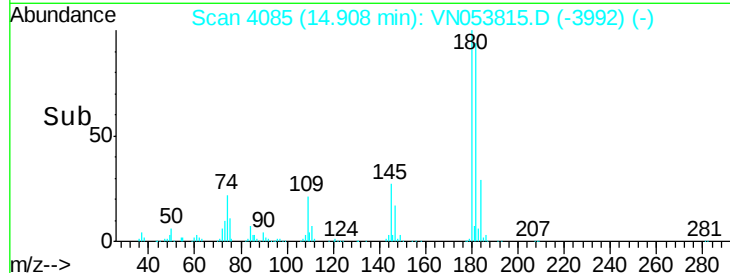
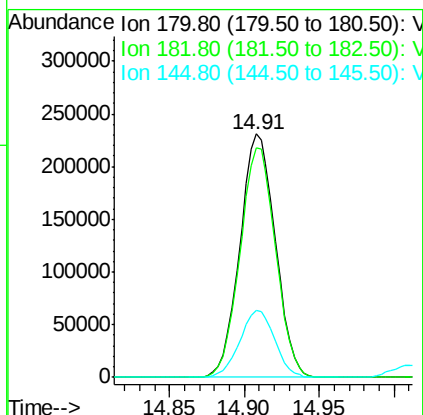
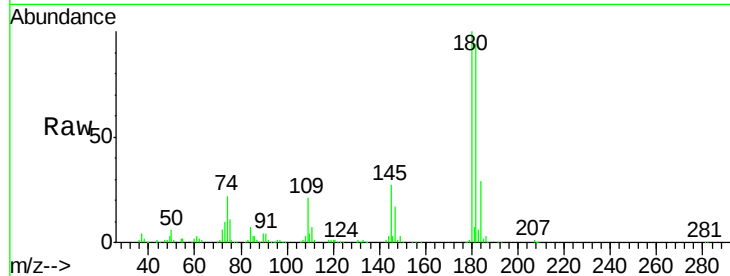




#93
 1,2,4-Trichlorobenzene
 Concen: 49.731 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

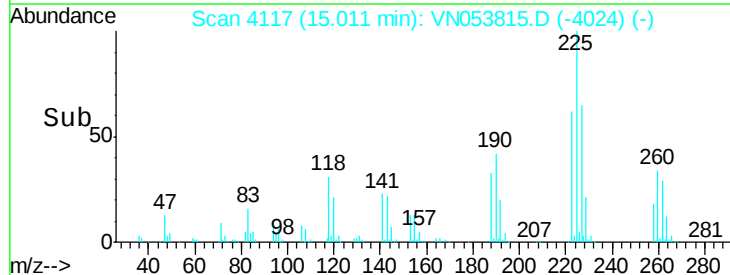
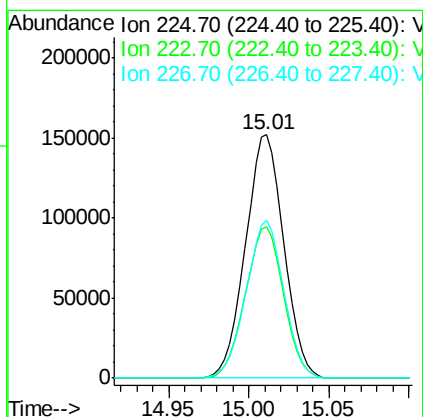
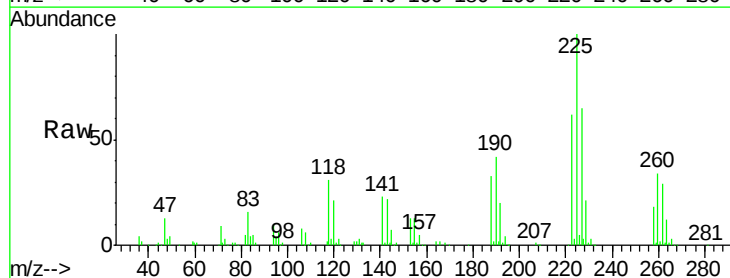
Instrument :
 MSVOA_N
 ClientSampleId :

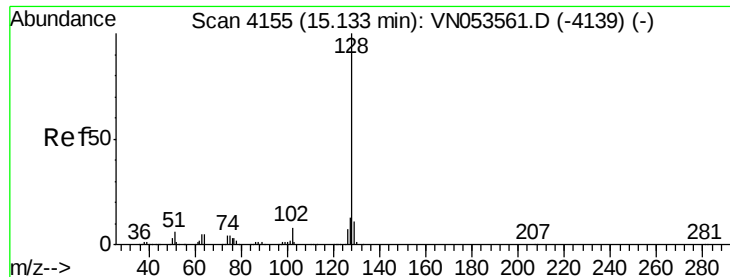
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.3
145	27.3	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 52.433 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.2
227	63.6	32.0	96.2

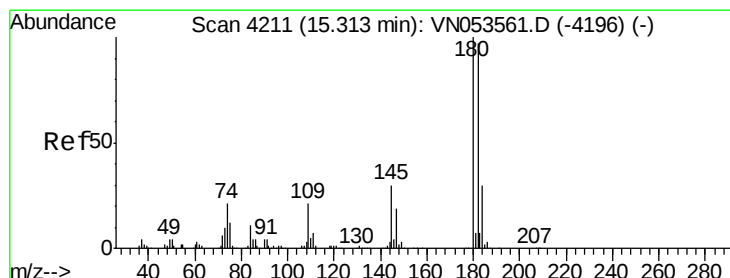
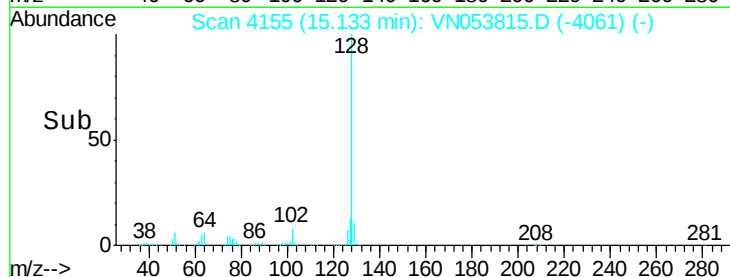
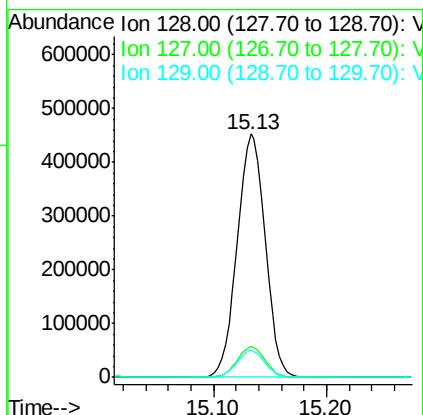
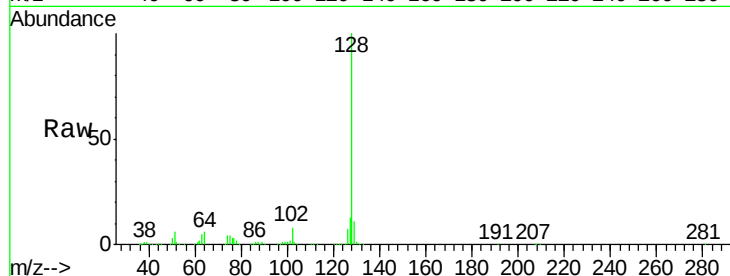




#95
Naphthalene
Concen: 43.903 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 783221
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.749 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion:180 Resp: 366489
Ion Ratio Lower Upper
180 100
182 96.7 47.9 143.8
145 29.9 14.7 44.1

