

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054144.D
 Acq On : 11 Mar 2019 16:39
 Operator : JC/SP
 Sample : VN0311WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Quant Time: Mar 12 03:23:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1702383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2525150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2172061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	986777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	894185	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.59	113	814734	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	2953045	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.40	95	1000605	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	245854	17.525	ug/l	99
3) Chloromethane	2.06	50	300225	17.983	ug/l	99
4) Vinyl Chloride	2.19	62	339666	18.052	ug/l	99
5) Bromomethane	2.57	94	242345	18.787	ug/l	98
6) Chloroethane	2.71	64	211589	18.086	ug/l	97
7) Trichlorofluoromethane	3.02	101	474062	18.283	ug/l	99
8) Diethyl Ether	3.42	74	196698	18.851	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.75	101	312051	18.690	ug/l	96
10) Methyl Iodide	3.95	142	367455	17.223	ug/l	97
11) Tert butyl alcohol	4.82	59	117540	93.514	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	299526	18.568	ug/l	91
13) Acrolein	3.61	56	69670	68.325	ug/l	100
14) Allyl chloride	4.32	41	408227	17.459	ug/l #	86
15) Acrylonitrile	5.00	53	469858	92.519	ug/l	99
16) Acetone	3.82	43	455747	88.787	ug/l	93
17) Carbon Disulfide	4.04	76	721140	17.321	ug/l	100
18) Methyl Acetate	4.33	43	209551	17.906	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	811095	18.494	ug/l	97
20) Methylene Chloride	4.55	84	295495	18.047	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	290131	18.315	ug/l	92
22) Diisopropyl ether	5.96	45	804939	18.640	ug/l	96
23) Vinyl Acetate	5.90	43	2973597	91.197	ug/l	96
24) 1,1-Dichloroethane	5.85	63	512084	18.292	ug/l	99
25) 2-Butanone	6.85	43	562232	92.573	ug/l	97
26) 2,2-Dichloropropane	6.82	77	473962	18.333	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	337939	18.650	ug/l	94
28) Bromochloromethane	7.20	49	239897	19.705	ug/l #	76
29) Tetrahydrofuran	7.22	42	357238	91.548	ug/l	90
30) Chloroform	7.37	83	550076	18.555	ug/l	97
31) Cyclohexane	7.65	56	462320	18.891	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	487783	18.178	ug/l	98
36) 1,1-Dichloropropene	7.79	75	395234	17.984	ug/l	97
37) Ethyl Acetate	6.94	43	246272	17.280	ug/l	98
38) Carbon Tetrachloride	7.77	117	429187	17.617	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	490689	18.136	ug/l	93
40) Benzene	8.04	78	1191067	18.860	ug/l	98
41) Methacrylonitrile	7.18	41	123959	16.706	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	402879	18.504	ug/l	100
43) Isopropyl Acetate	8.17	43	435664	18.390	ug/l #	89
44) Trichloroethene	8.83	130	365162	18.737	ug/l	99
45) 1,2-Dichloropropane	9.12	63	302625	18.753	ug/l	100
46) Dibromomethane	9.21	93	199246	18.200	ug/l	90
47) Bromodichloromethane	9.40	83	416855	18.369	ug/l	99
48) Methyl methacrylate	9.20	41	223247	17.529	ug/l	98
49) 1,4-Dioxane	9.21	88	59339	359.109	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1127936	88.767	ug/l	97
52) Toluene	10.16	92	748321	18.507	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	415560	17.984	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	472790	18.219	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	280132	18.377	ug/l	97
56) Ethyl methacrylate	10.43	69	324995	17.418	ug/l	94
57) 1,3-Dichloropropane	10.71	76	454624	18.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	620174	90.024	ug/l	91
59) 2-Hexanone	10.75	43	742961	88.103	ug/l	98
60) Dibromochloromethane	10.90	129	323225	18.305	ug/l	99
61) 1,2-Dibromoethane	11.01	107	281531	18.378	ug/l	98
64) Tetrachloroethene	10.63	164	372469	18.624	ug/l	97
65) Chlorobenzene	11.43	112	853588	18.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	327757	18.931	ug/l	99
67) Ethyl Benzene	11.51	91	1413641	18.479	ug/l	98
68) m/p-Xylenes	11.62	106	1101272	36.811	ug/l	98
69) o-Xylene	11.95	106	550572	18.749	ug/l	97
70) Styrene	11.96	104	836890	18.397	ug/l	100
71) Bromoform	12.13	173	219432	18.288	ug/l #	98
73) Isopropylbenzene	12.25	105	1473612	18.775	ug/l	98
74) N-amyl acetate	12.07	43	321493	17.984	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	318278	18.739	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	395240	28.363	ug/l #	100
77) Bromobenzene	12.53	156	380121	18.607	ug/l	88
78) n-propylbenzene	12.59	91	1589270	18.923	ug/l	96
79) 2-Chlorotoluene	12.67	91	956153	18.598	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1211054	18.614	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	75956	16.225	ug/l	94
82) 4-Chlorotoluene	12.77	91	930633	18.567	ug/l	97
83) tert-Butylbenzene	12.99	119	1140344	18.978	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1201902	18.866	ug/l	98
85) sec-Butylbenzene	13.17	105	1460385	18.757	ug/l	96
86) p-Isopropyltoluene	13.29	119	1267683	18.659	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	641012	18.777	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	617143	18.308	ug/l	100
89) n-Butylbenzene	13.62	91	979897	18.806	ug/l	98
90) Hexachloroethane	13.87	117	215506	17.764	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	634451	18.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50148	17.148	ug/l	90

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Quant Title : SW846 8260
QLast Update : Tue Mar 12 00:55:17 2019
Response via : Initial Calibration

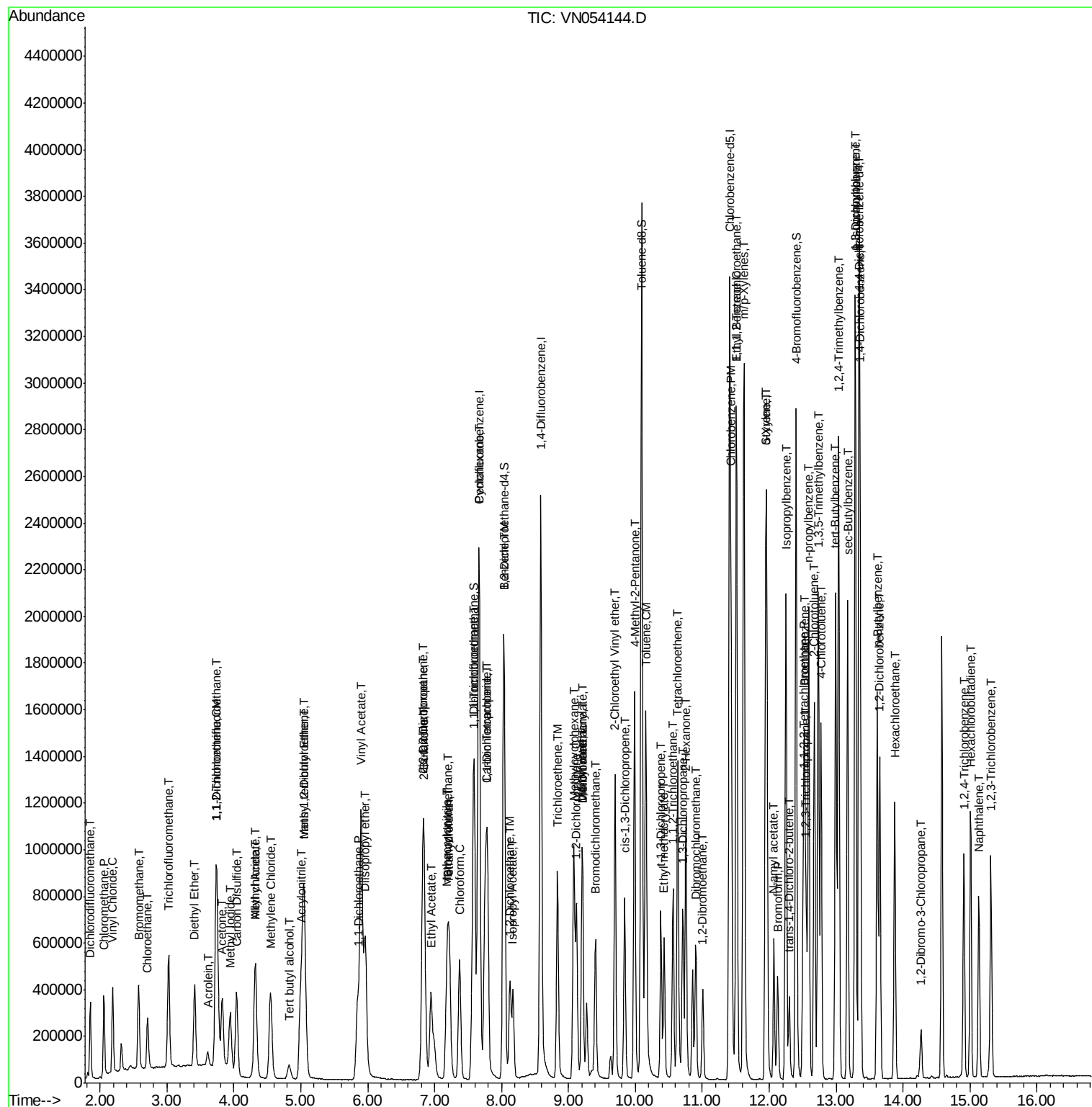
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	339114	19.505	ug/l	100
94) Hexachlorobutadiene	15.01	225	244386	18.435	ug/l	98
95) Naphthalene	15.13	128	704207	19.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	354996	20.151	ug/l	100

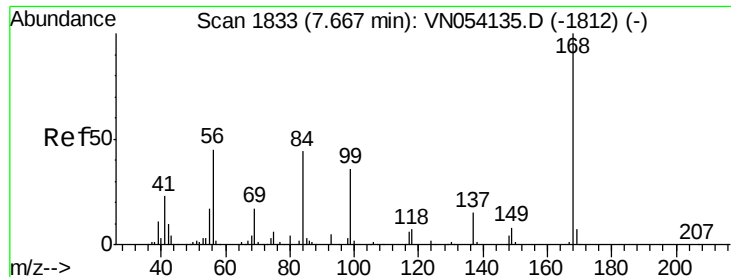
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

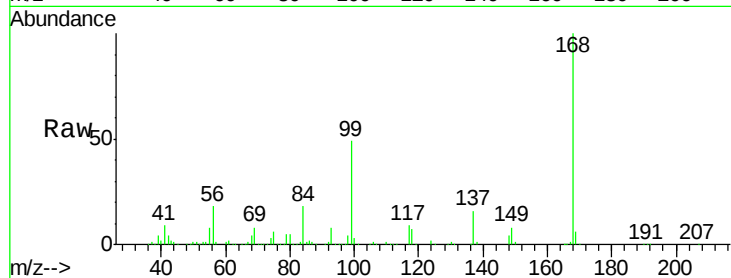
VN0311WBSD01

Tot Ion:168 Resp: 1702383

Ion Ratio Lower Upper

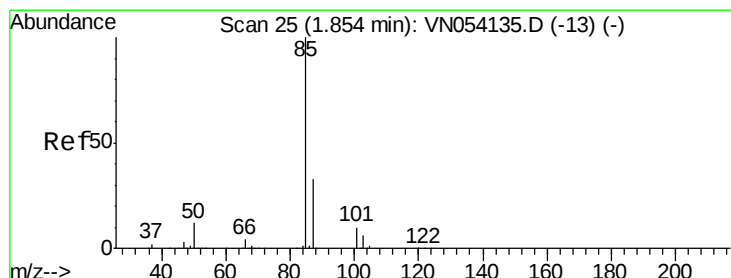
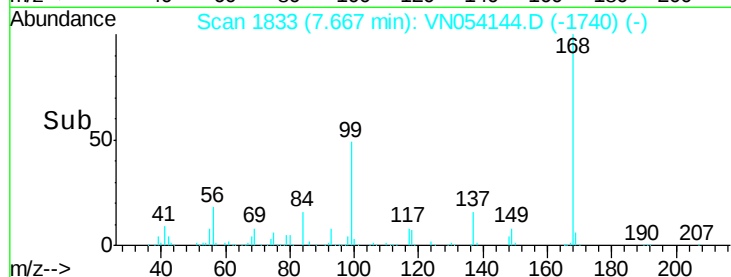
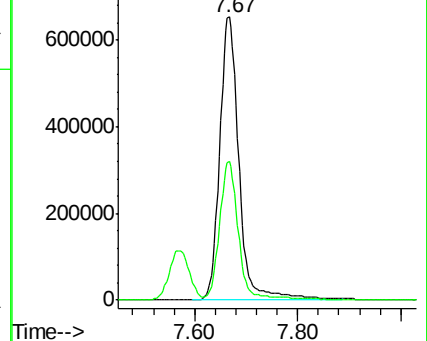
168 100

99 48.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.525 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054144.D

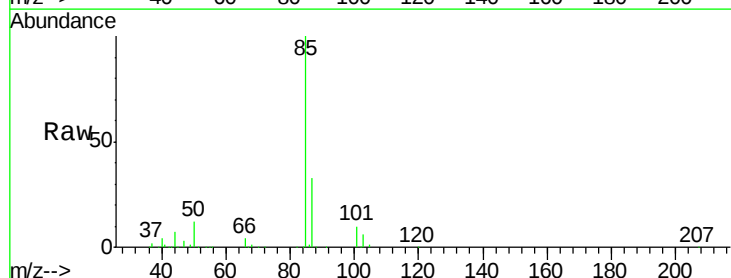
Acq: 11 Mar 2019 16:39

Tgt Ion: 85 Resp: 245854

Ion Ratio Lower Upper

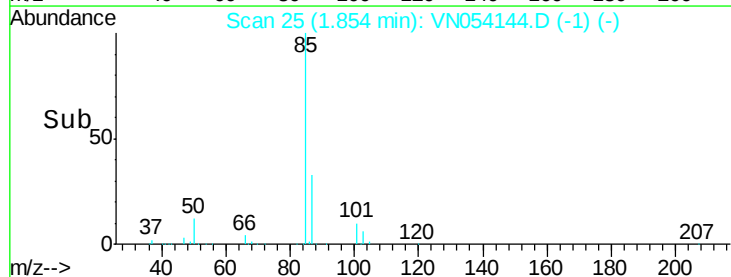
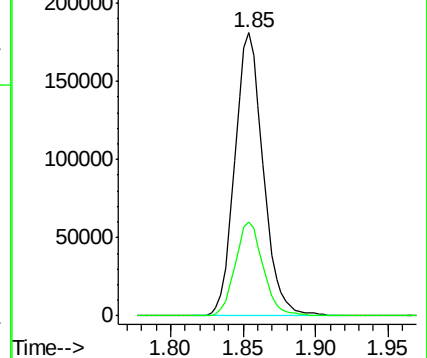
85 100

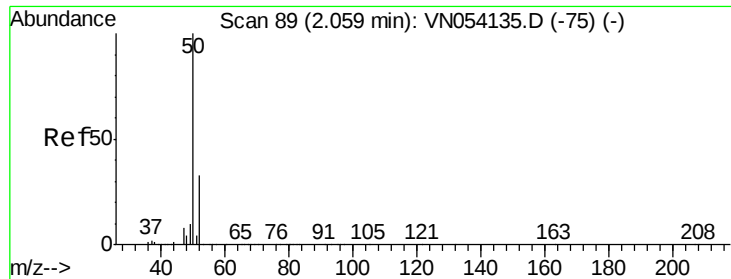
87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.983 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

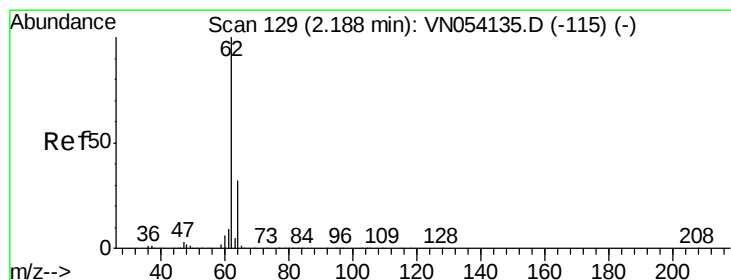
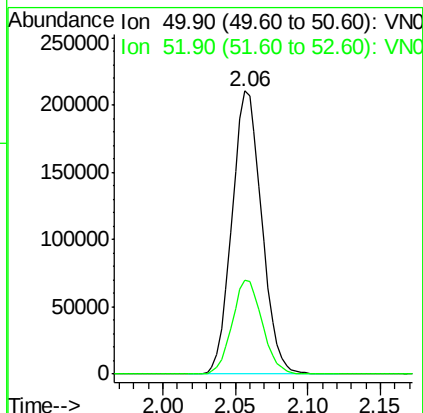
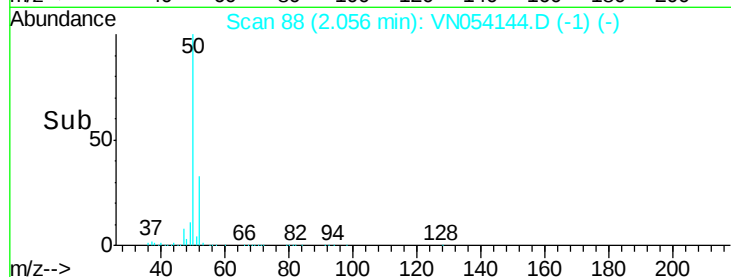
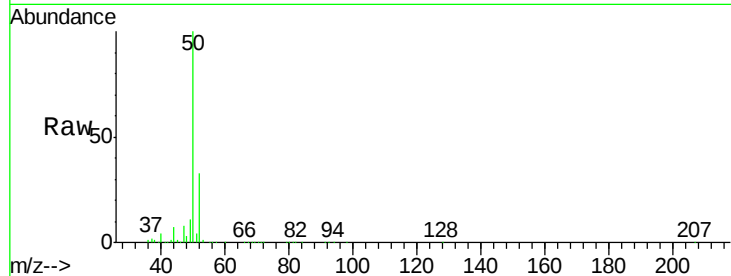
VN0311WBSD01

Tot Ion: 50 Resp: 300225

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 18.052 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054144.D

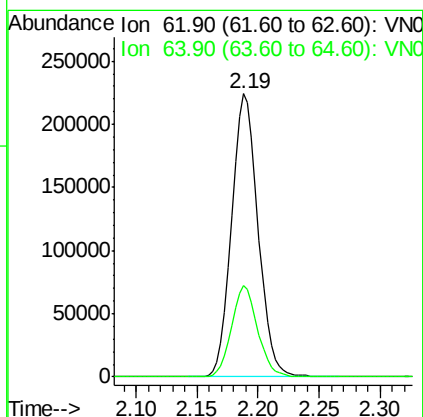
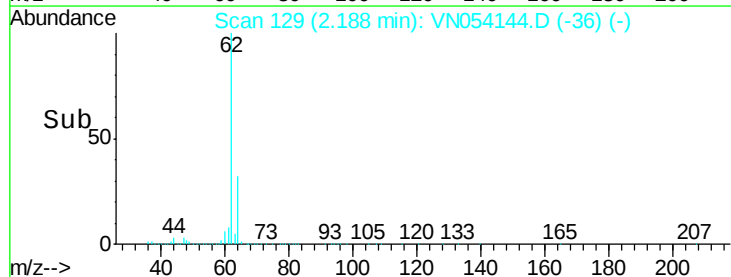
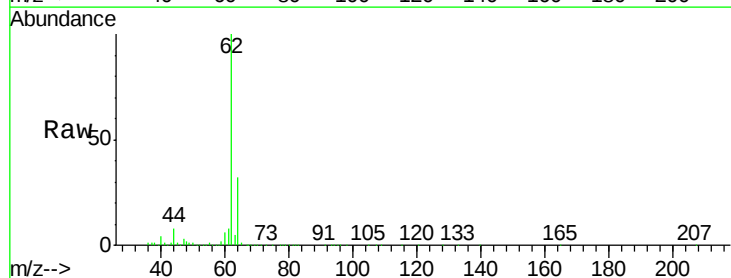
Acq: 11 Mar 2019 16:39

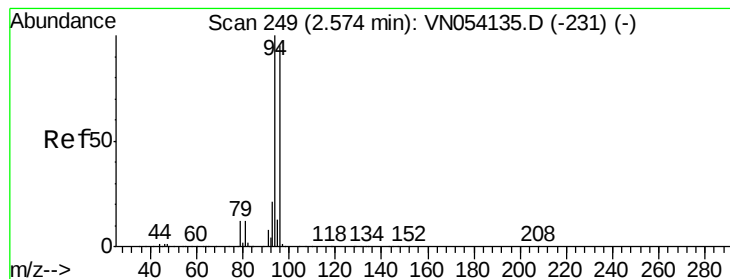
Tgt Ion: 62 Resp: 339666

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 18.787 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

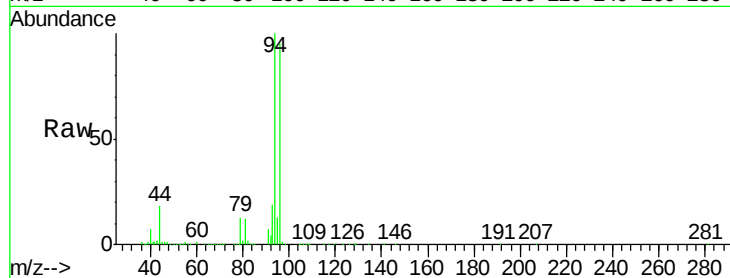
VN0311WBSD01

Tot Ion: 94 Resp: 242345

Ion Ratio Lower Upper

94 100

96 94.7 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

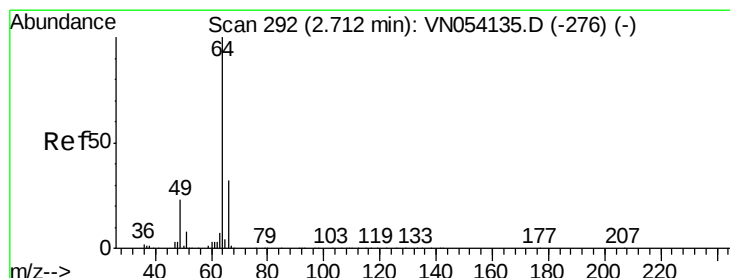
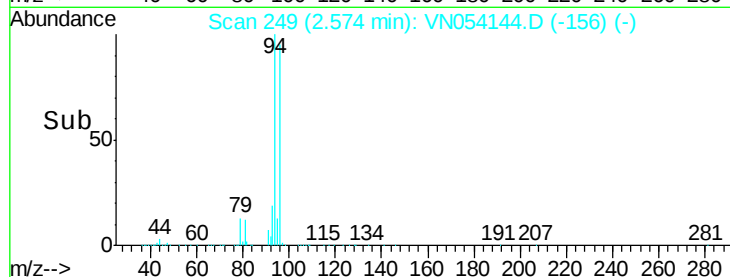
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 18.086 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054144.D

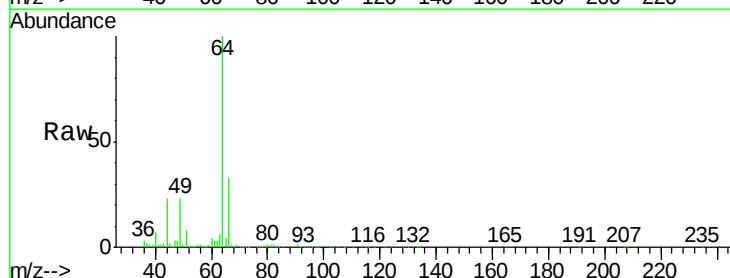
Acq: 11 Mar 2019 16:39

Tgt Ion: 64 Resp: 211589

Ion Ratio Lower Upper

64 100

66 33.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

120000

100000

80000

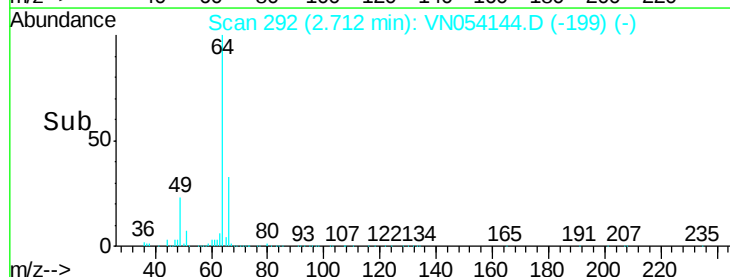
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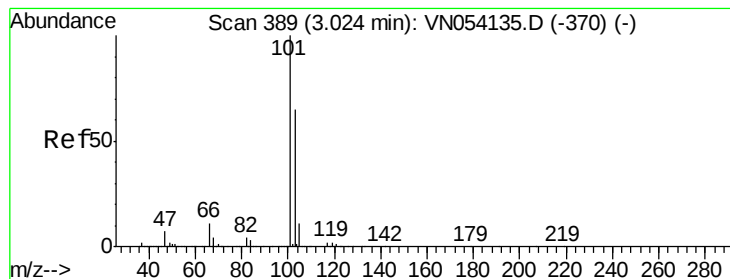
40000

20000

0

Time-->



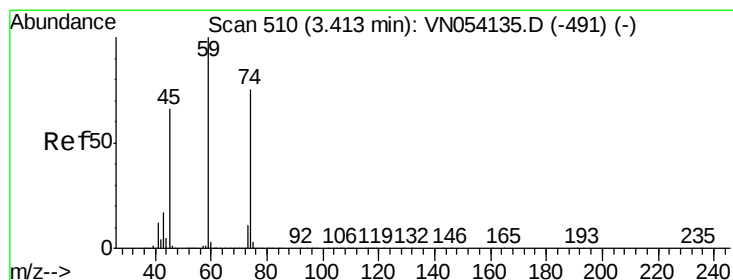
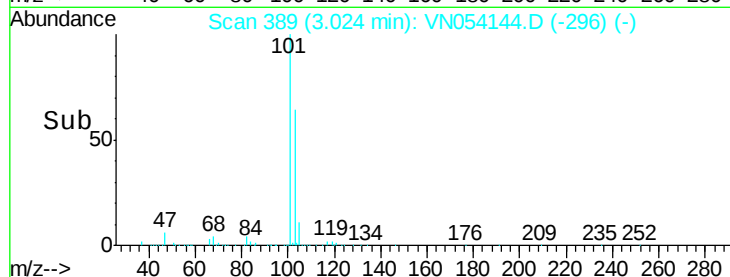
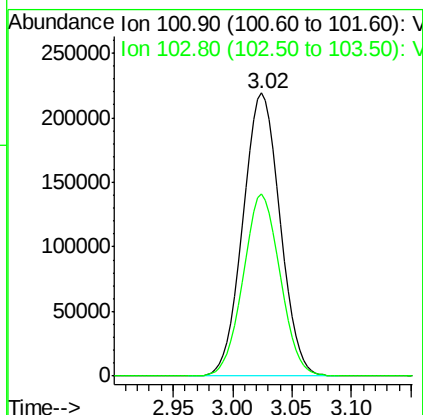
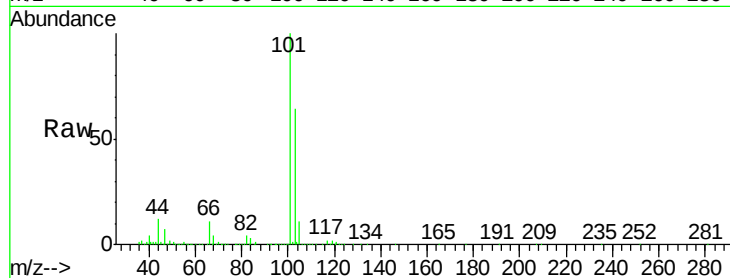


#7

Trichlorofluoromethane
 Concen: 18.283 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Instrument :
 MSVOA_N
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 VN0311WBSD01

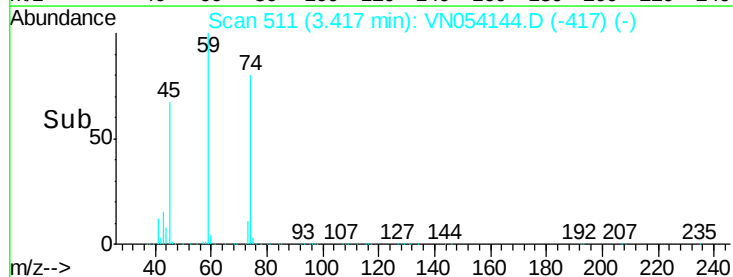
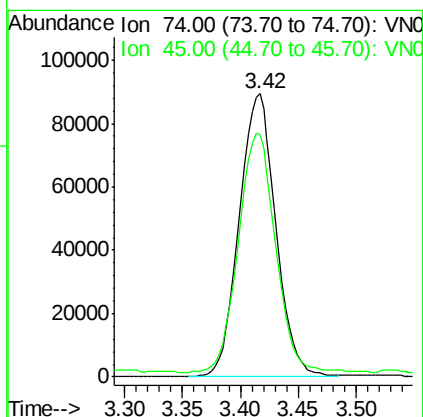
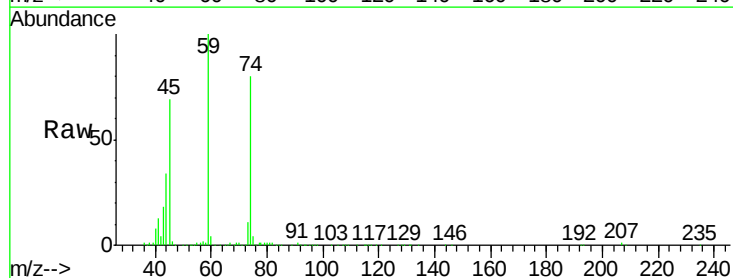
Tot Ion:101 Resp: 474062
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.0 78.0

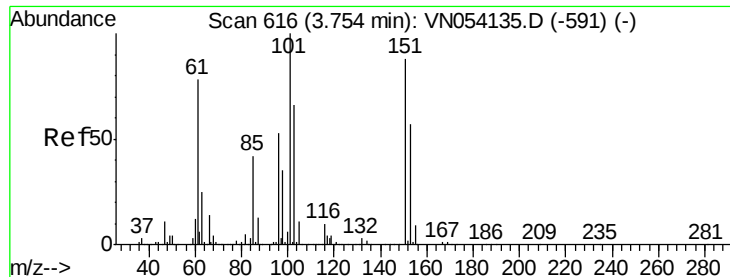


#8

Diethyl Ether
 Concen: 18.851 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion: 74 Resp: 196698
 Ion Ratio Lower Upper
 74 100
 45 85.6 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.690 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

VN0311WBSD01

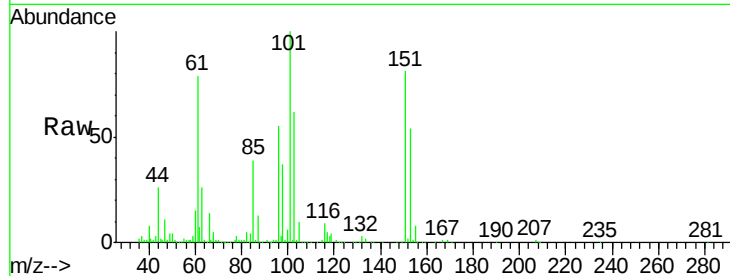
Tot Ion:101 Resp: 312051

Ion Ratio Lower Upper

101 100

85 39.8 33.1 49.7

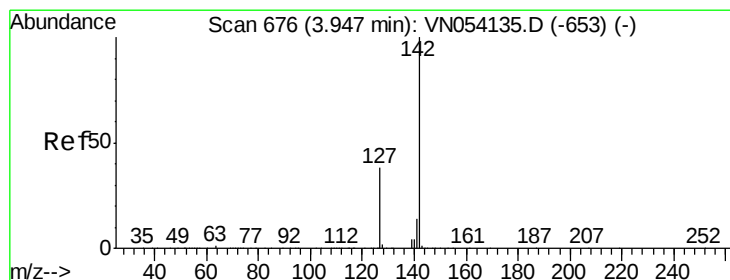
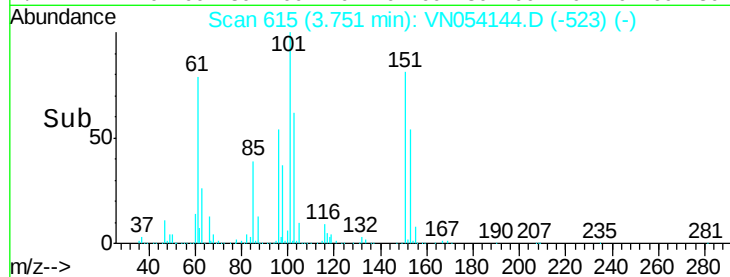
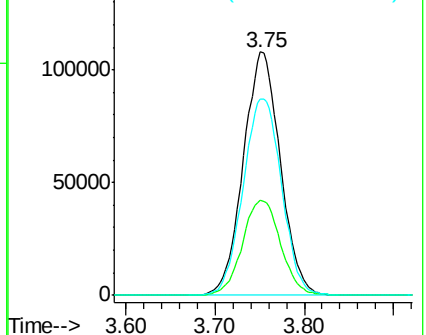
151 83.9 64.3 96.5



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: 17.223 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

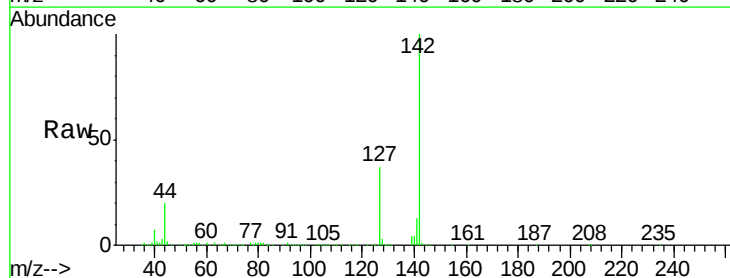
Tgt Ion:142 Resp: 367455

Ion Ratio Lower Upper

142 100

127 37.3 31.9 47.9

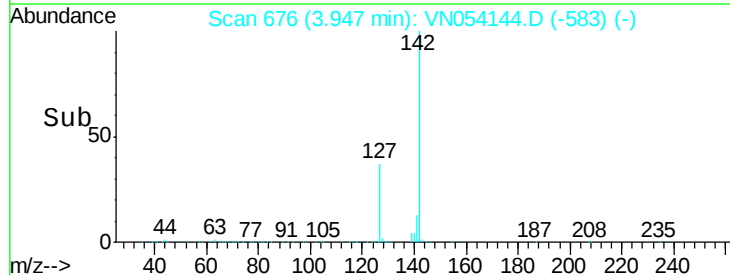
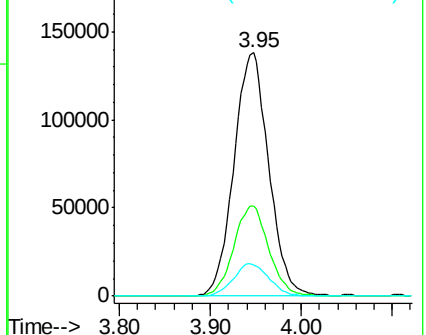
141 13.6 11.4 17.0

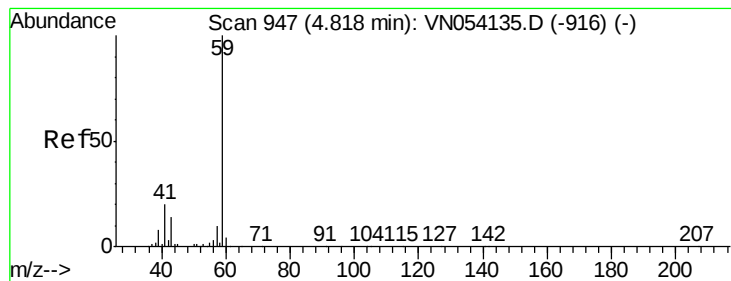


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



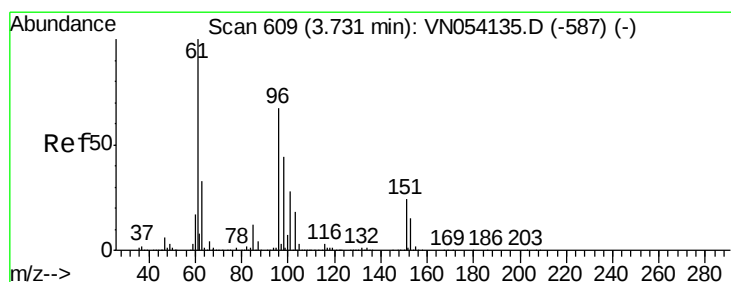
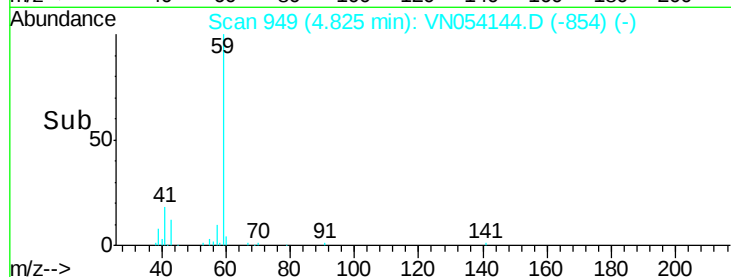
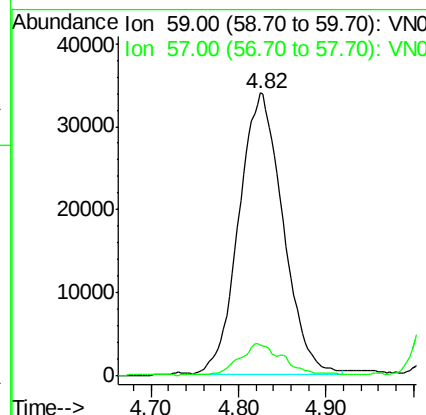
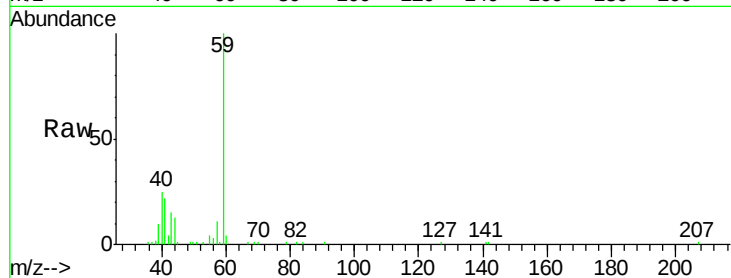


#11

Tert butyl alcohol
 Concen: 93.514 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

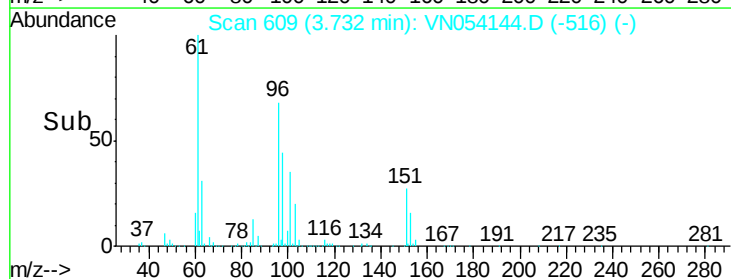
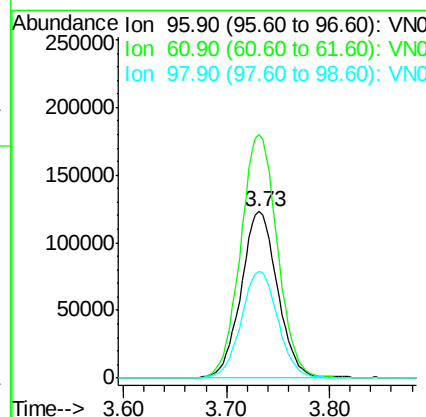
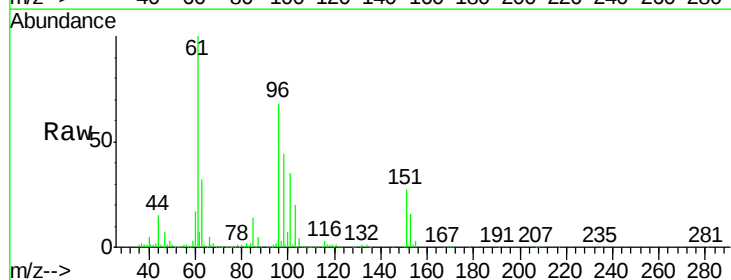
Tot Ion: 59 Resp: 117540
 Ion Ratio Lower Upper
 59 100
 57 8.0 8.2 12.4#

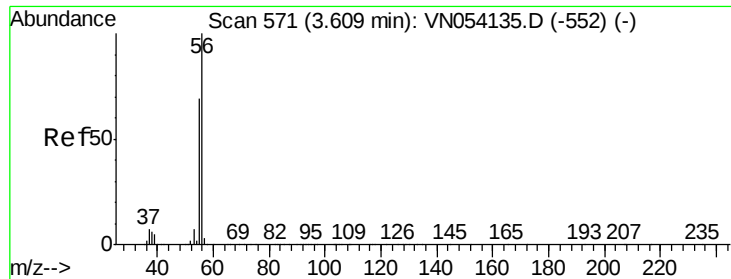


#12

1,1-Dichloroethene
 Concen: 18.568 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion: 96 Resp: 299526
 Ion Ratio Lower Upper
 96 100
 61 146.7 131.2 196.8
 98 63.8 50.7 76.1





#13

Acrolein

Concen: 68.325 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

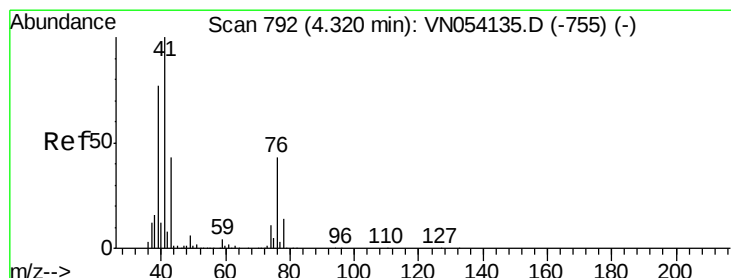
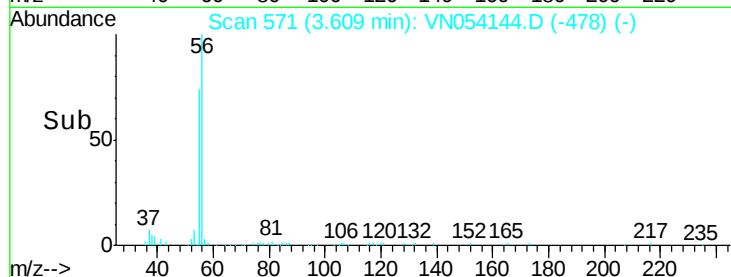
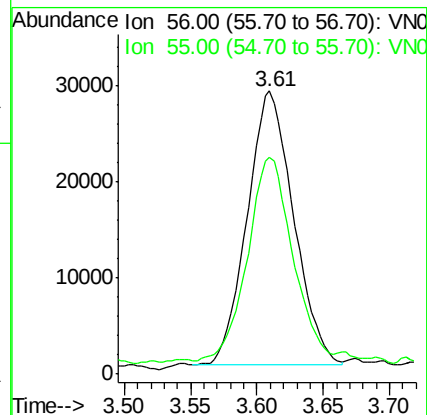
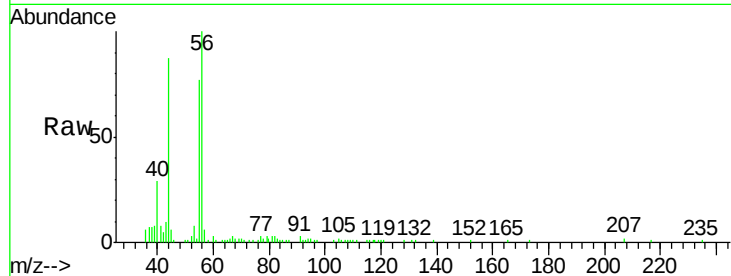
VN0311WBSD01

Tot Ion: 56 Resp: 69670

Ion Ratio Lower Upper

56 100

55 71.6 57.1 85.7



#14

Allyl chloride

Concen: 17.459 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

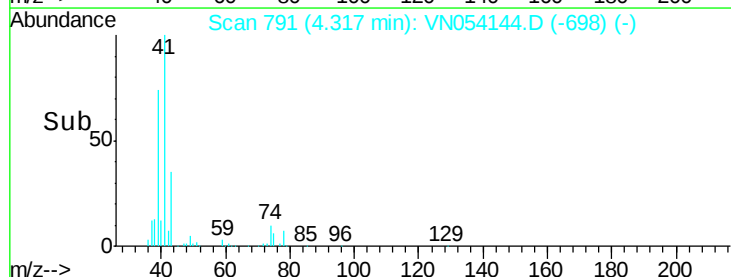
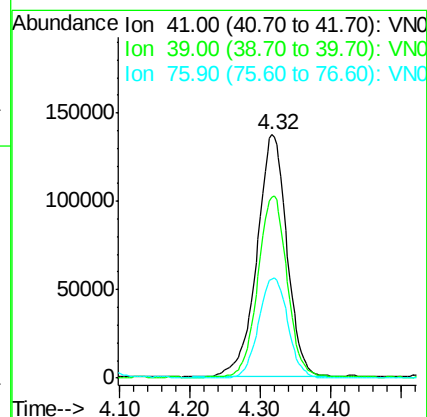
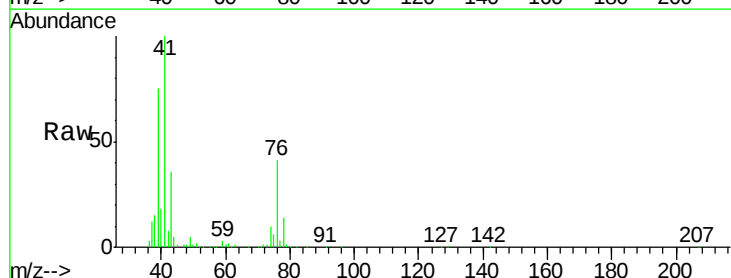
Tgt Ion: 41 Resp: 408227

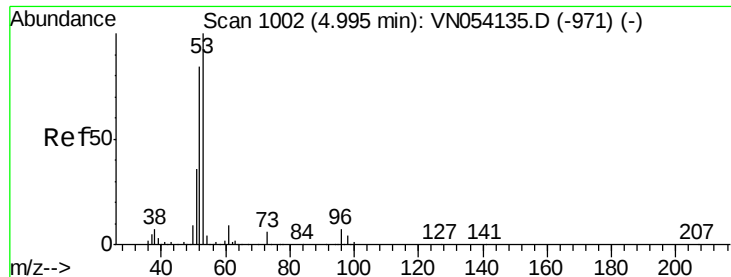
Ion Ratio Lower Upper

41 100

39 72.8 49.3 73.9

76 40.2 26.5 39.7#





#15

Acrylonitrile

Concen: 92.519 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

VN0311WBSD01

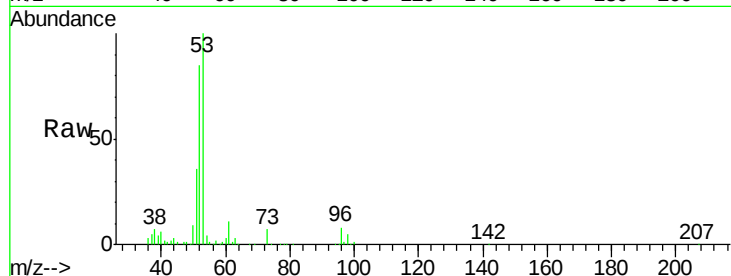
Tot Ion: 53 Resp: 469858

Ion Ratio Lower Upper

53 100

52 81.6 64.6 97.0

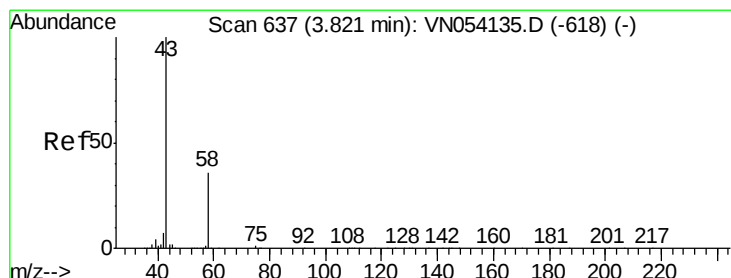
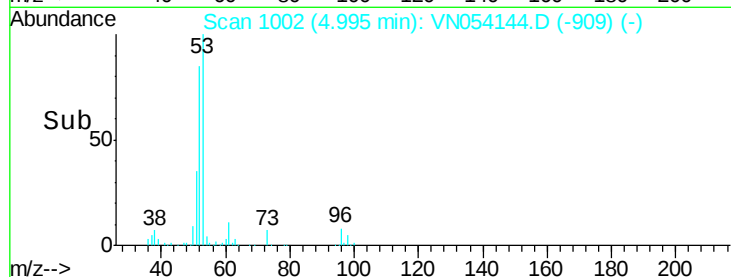
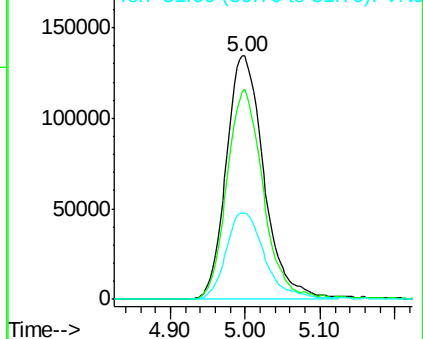
51 36.5 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.787 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054144.D

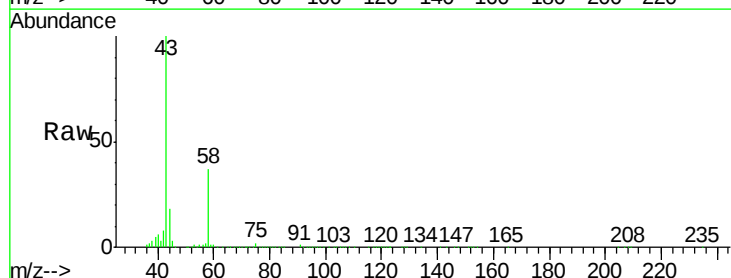
Acq: 11 Mar 2019 16:39

Tgt Ion: 43 Resp: 455747

Ion Ratio Lower Upper

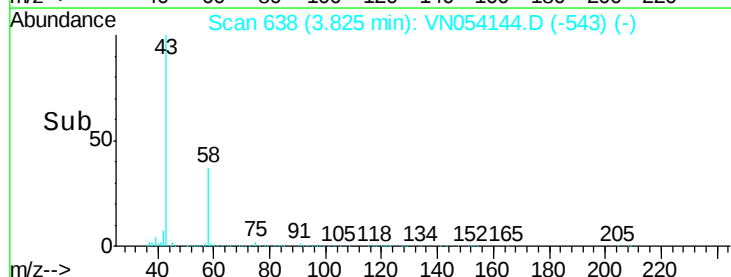
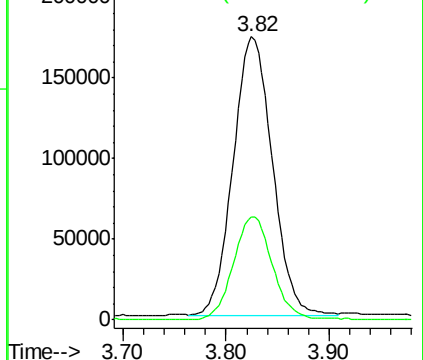
43 100

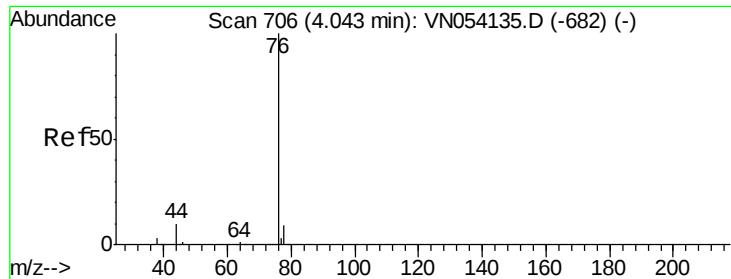
58 36.8 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.321 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

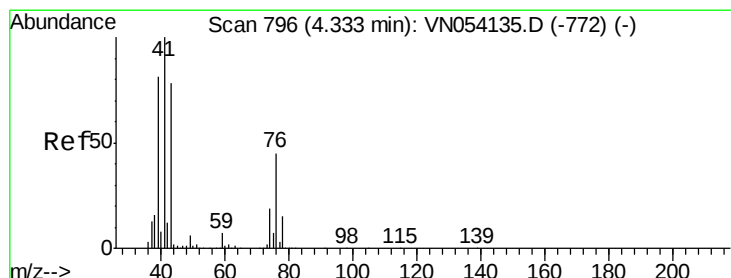
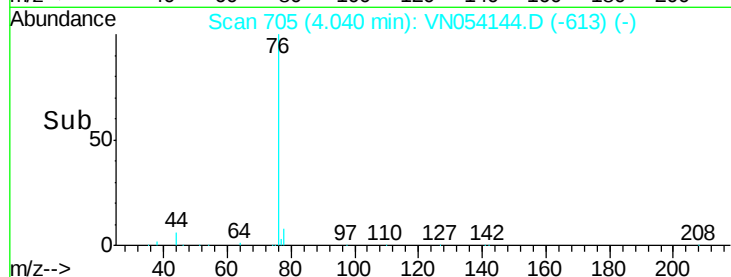
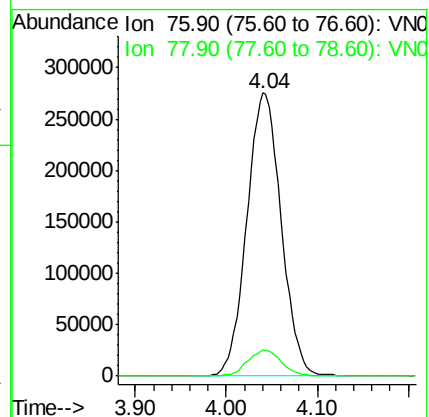
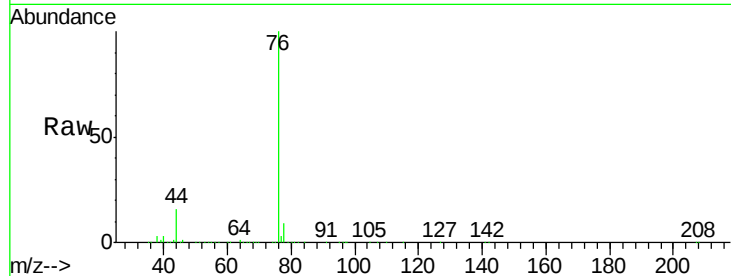
VN0311WBSD01

Tot Ion: 76 Resp: 721140

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



#18

Methyl Acetate

Concen: 17.906 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054144.D

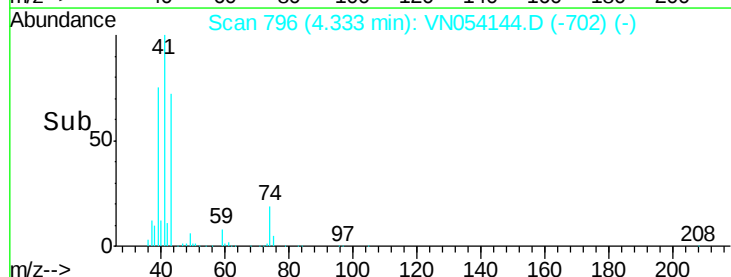
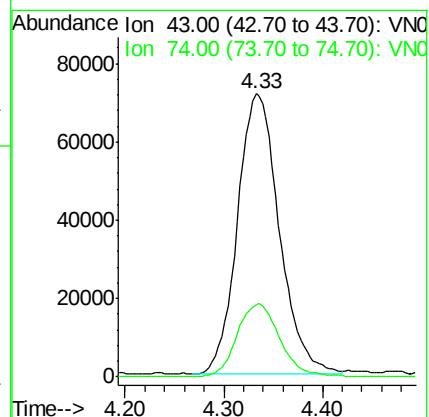
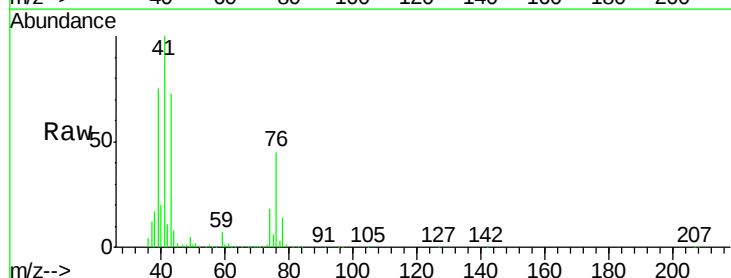
Acq: 11 Mar 2019 16:39

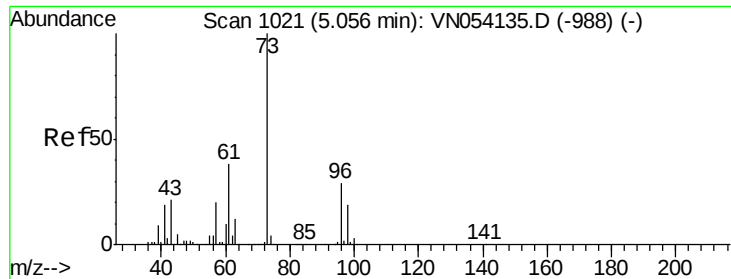
Tgt Ion: 43 Resp: 209551

Ion Ratio Lower Upper

43 100

74 27.0 18.2 27.2

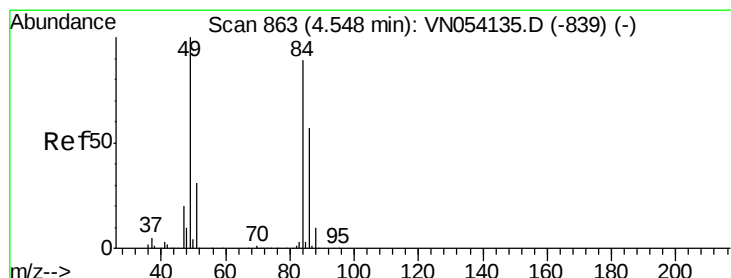
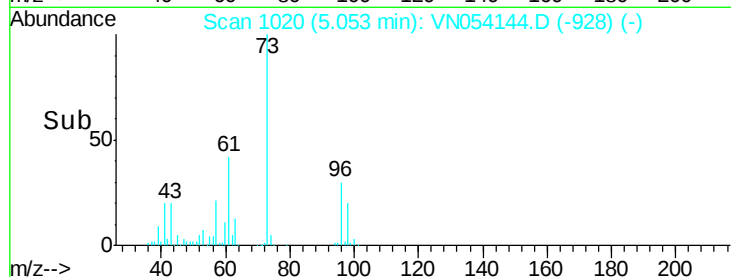
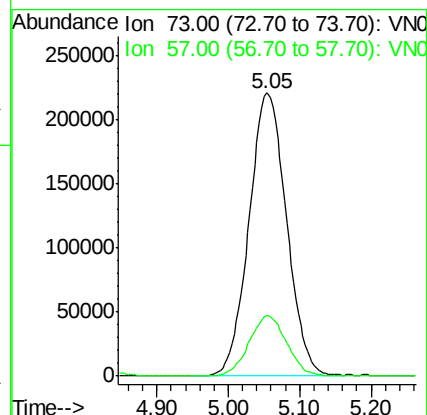
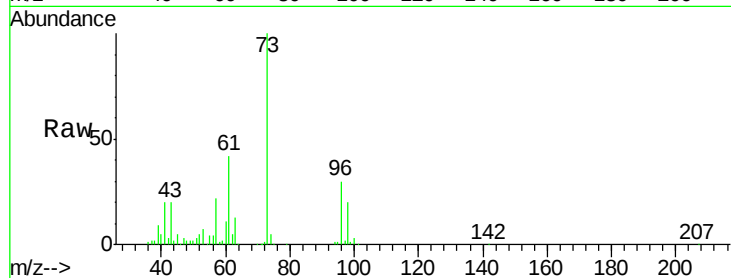




#19
Methvl tert-butvl Ether
Concen: 18.494 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

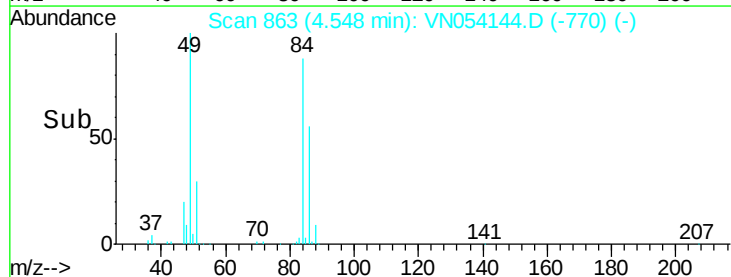
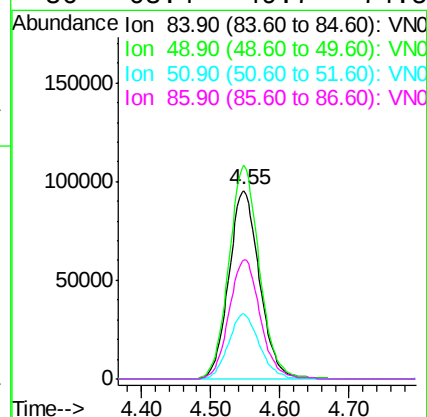
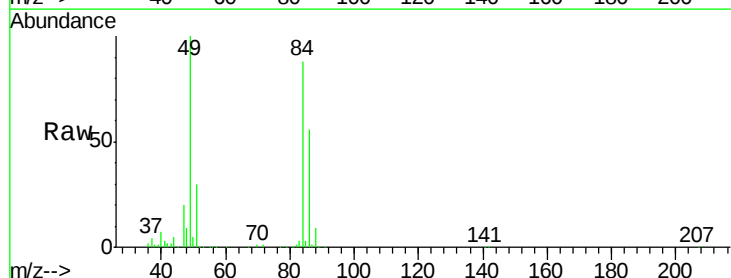
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

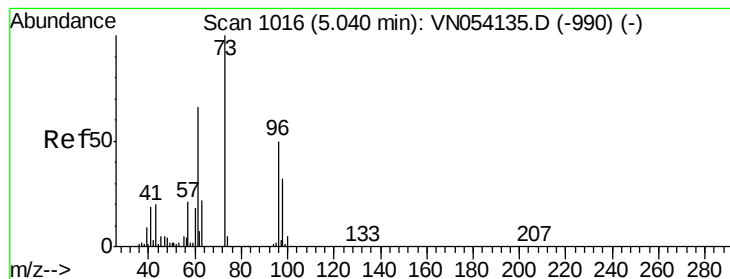
Tot Ion: 73 Resp: 811095
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.4



#20
Methylene Chloride
Concen: 18.047 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion: 84 Resp: 295495
Ion Ratio Lower Upper
84 100
49 113.2 101.8 152.8
51 34.3 31.1 46.7
86 63.4 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 18.315 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

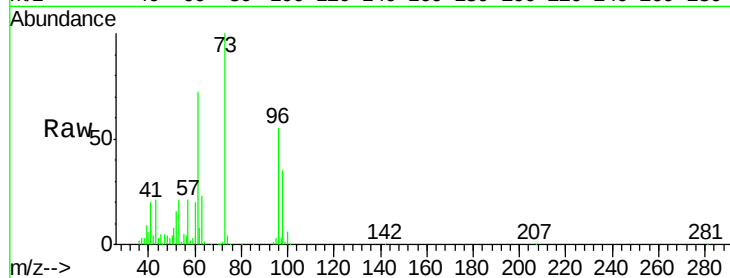
Tot Ion: 96 Resp: 290131

Ion Ratio Lower Upper

96 100

61 129.5 114.8 172.2

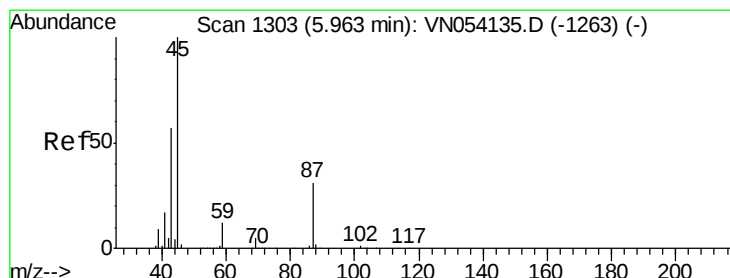
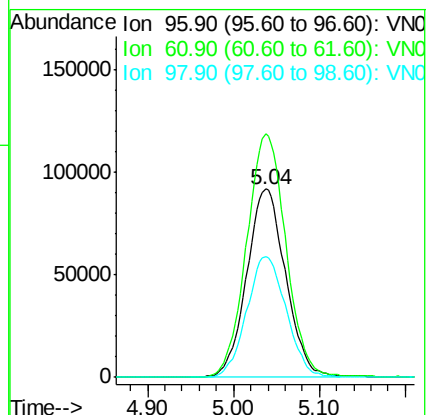
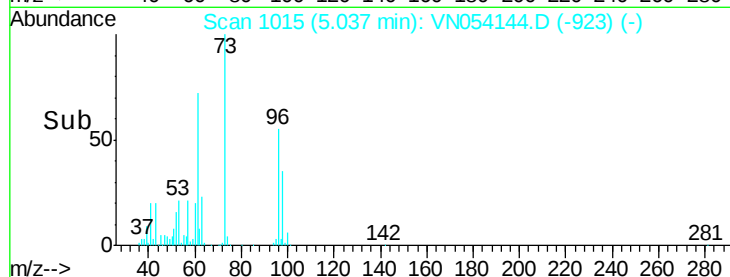
98 63.9 51.4 77.0



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: 18.640 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Tgt Ion: 45 Resp: 804939

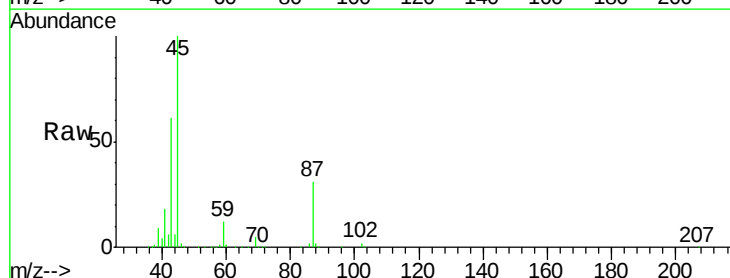
Ion Ratio Lower Upper

45 100

43 59.1 46.2 69.4

87 30.6 20.6 31.0

59 11.9 9.4 14.0

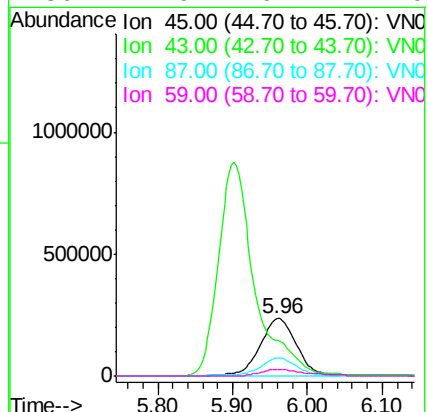
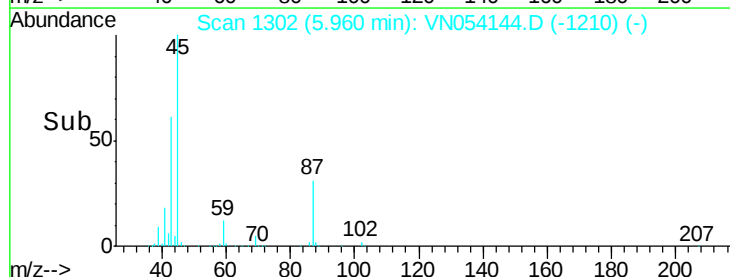


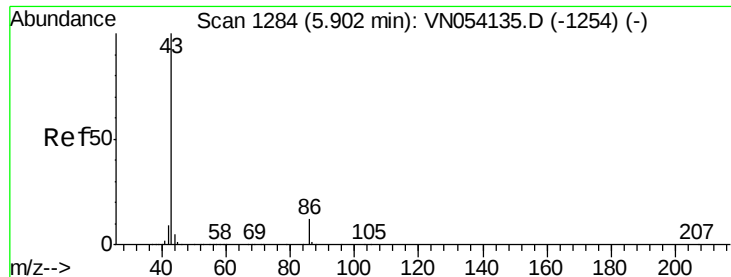
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 91.197 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

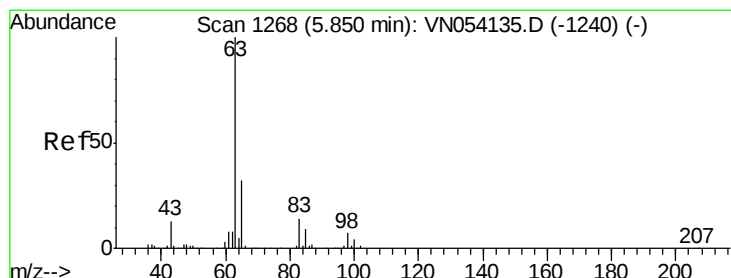
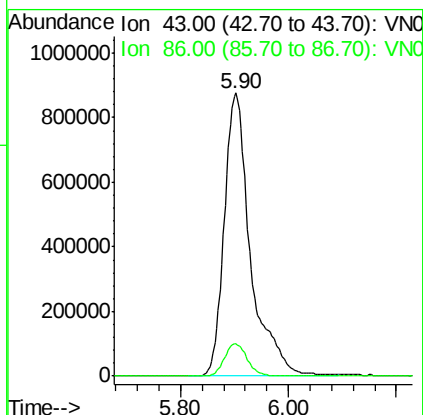
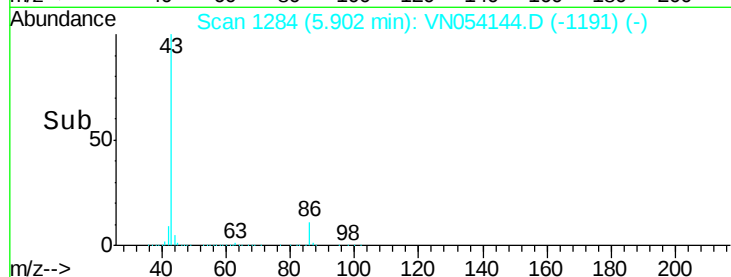
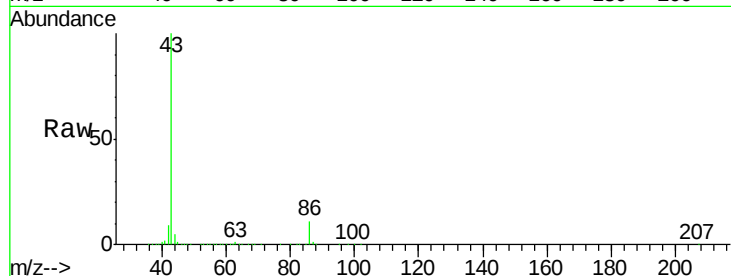
VN0311WBSD01

Tot Ion: 43 Resp: 2973597

Ion Ratio Lower Upper

43 100

86 11.3 7.8 11.8



#24

1,1-Dichloroethane

Concen: 18.292 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

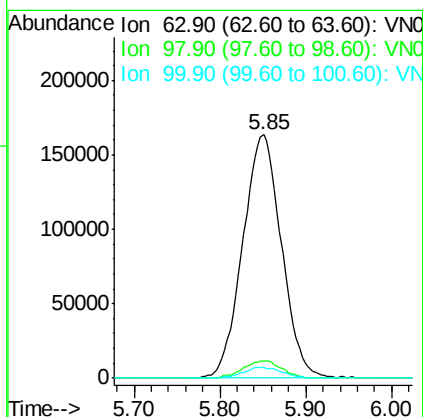
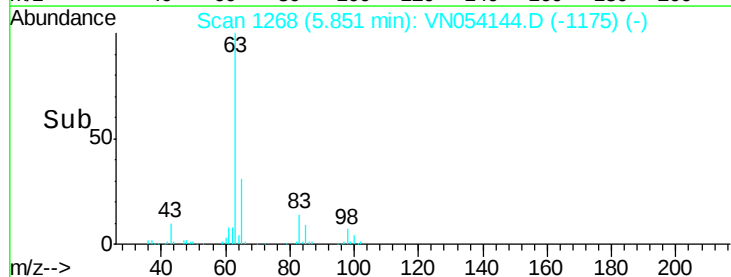
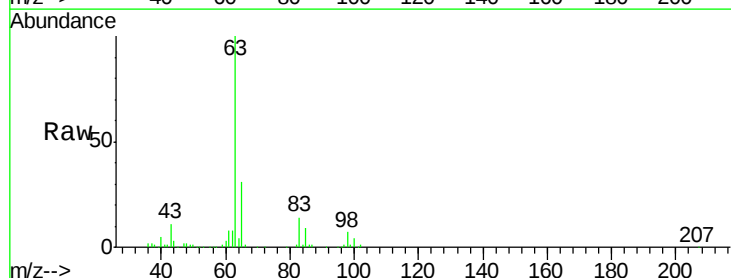
Tgt Ion: 63 Resp: 512084

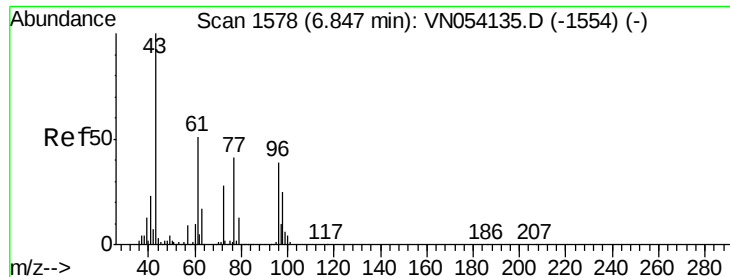
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 4.1 2.0 6.0

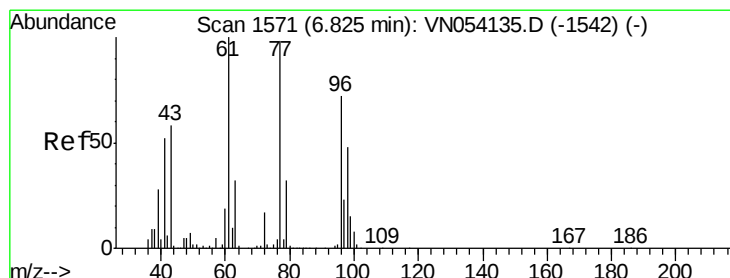
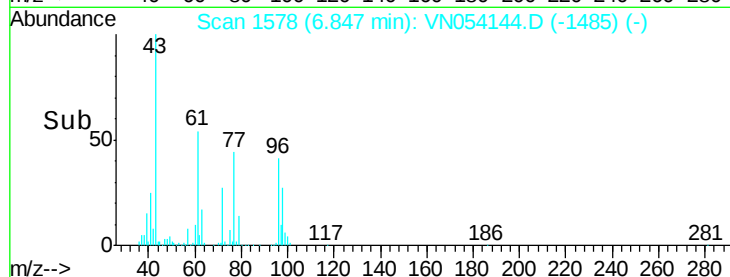
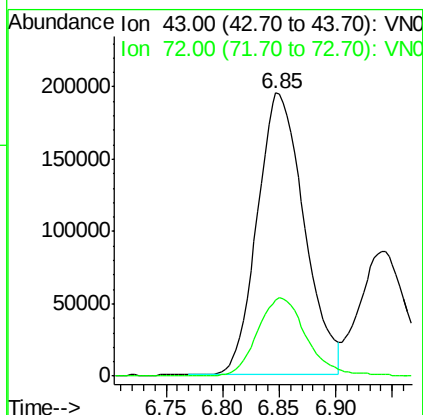
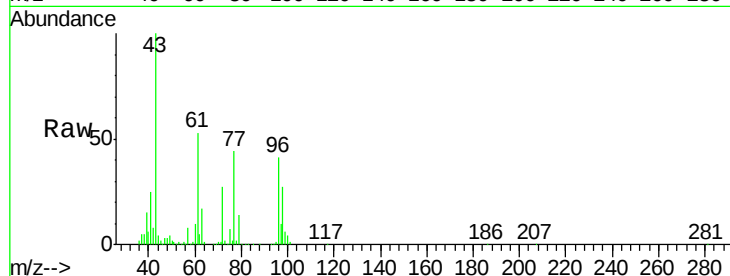




#25
 2-Butanone
 Concen: 92.573 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

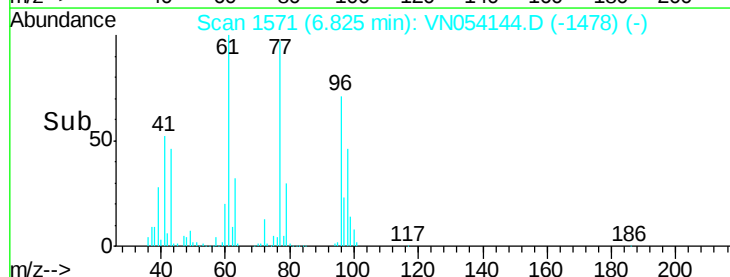
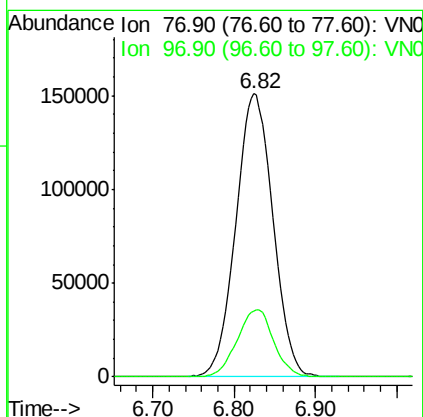
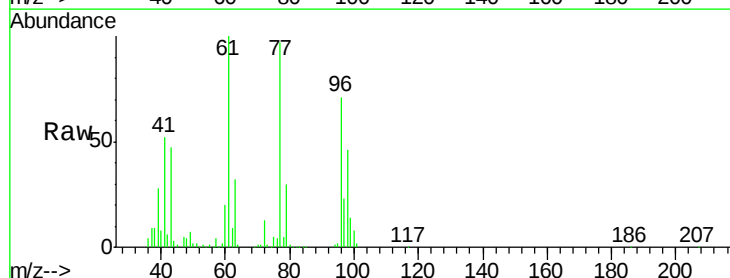
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

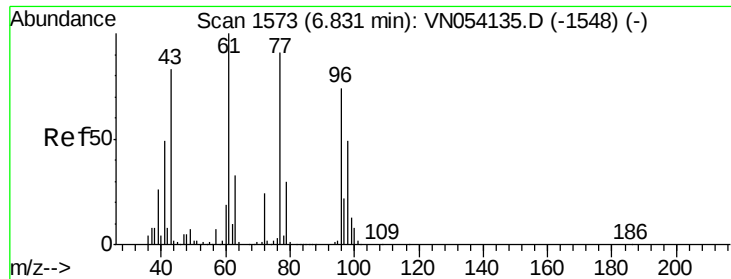
Tot Ion: 43 Resp: 562232
 Ion Ratio Lower Upper
 43 100
 72 26.9 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 18.333 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion: 77 Resp: 473962
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.650 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

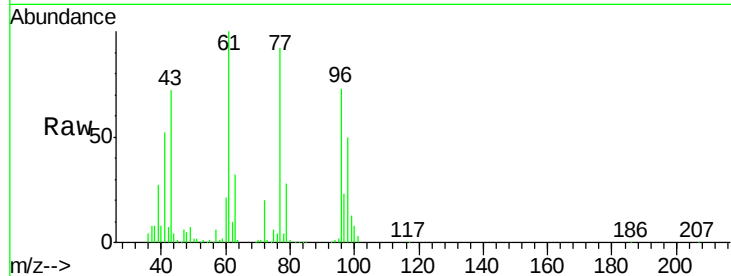
Tot Ion: 96 Resp: 337939

Ion Ratio Lower Upper

96 100

61 138.0 0.0 297.0

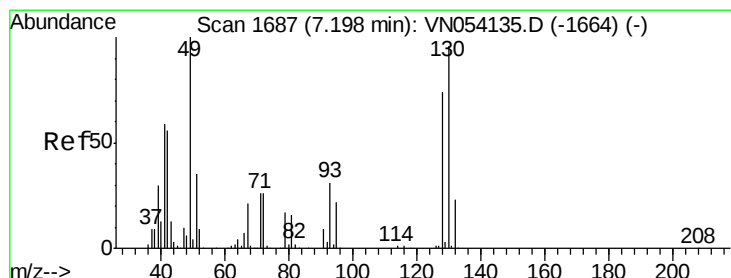
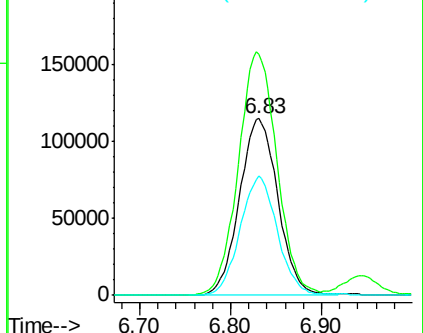
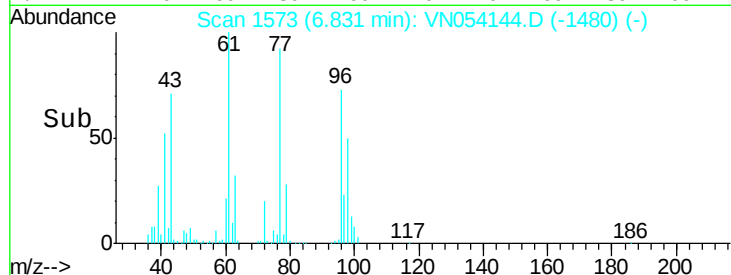
98 65.7 0.0 129.4



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: 19.705 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

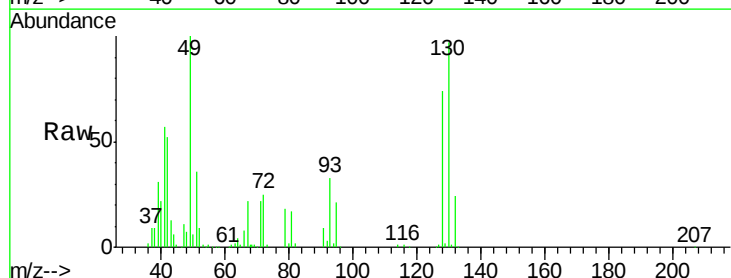
Tgt Ion: 49 Resp: 239897

Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.8

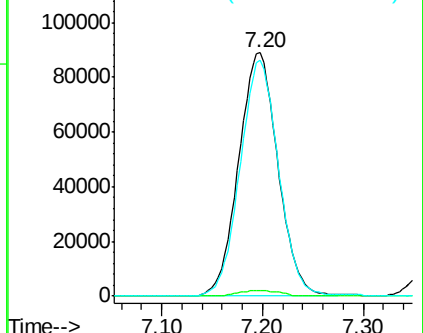
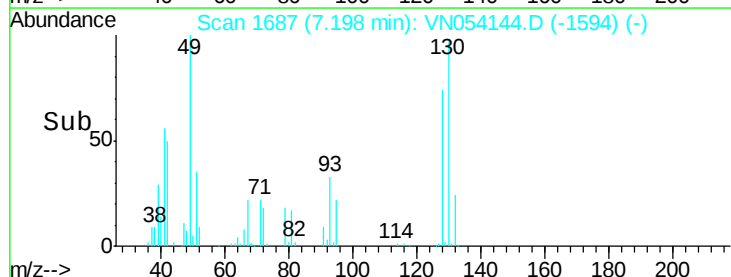
130 95.1 59.4 89.2#

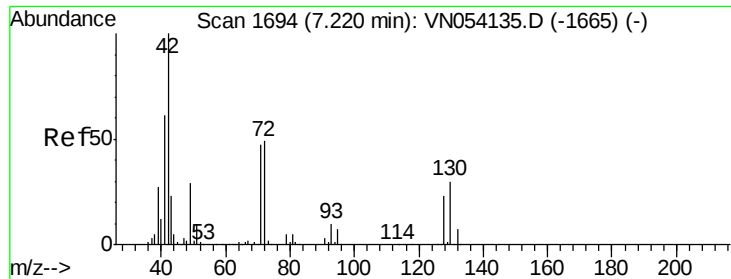


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

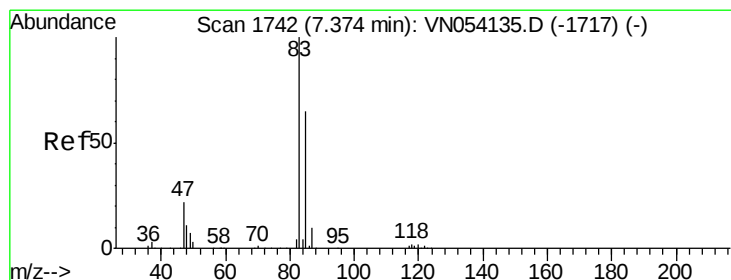
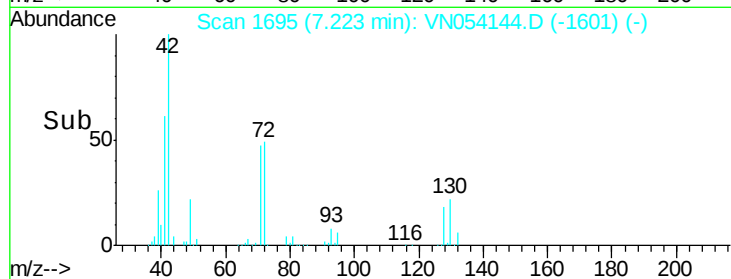
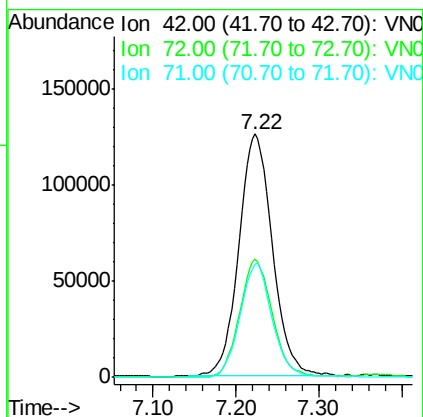
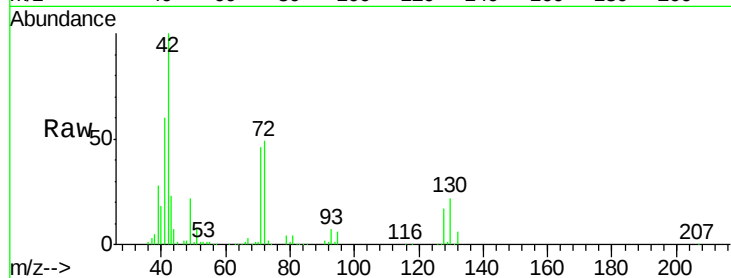




#29
Tetrahydrofuran
Concen: 91.548 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

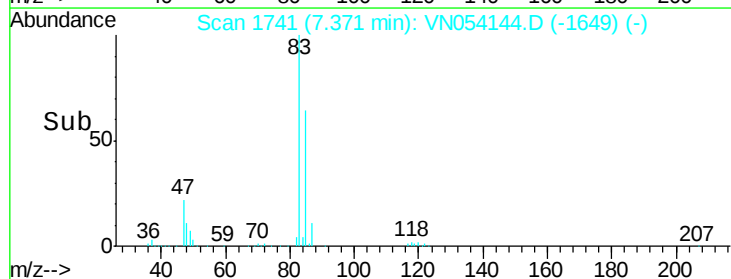
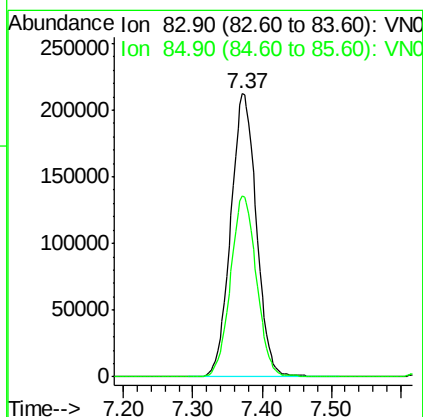
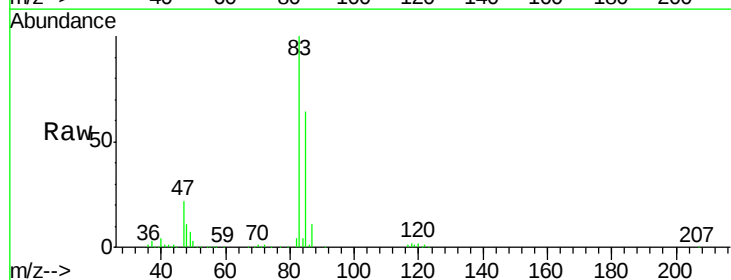
Instrument :
MSVOA_N
ClientSampled :
VN0311WBSD01

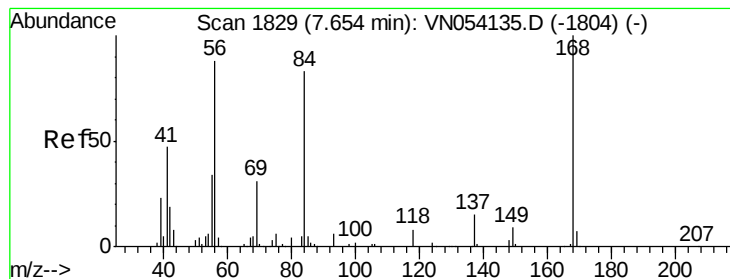
Tot Ion: 42 Resp: 357238
Ion Ratio Lower Upper
42 100
72 46.8 32.8 49.2
71 44.7 30.5 45.7



#30
Chloroform
Concen: 18.555 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion: 83 Resp: 550076
Ion Ratio Lower Upper
83 100
85 63.9 53.1 79.7





#31

Cyclohexane

Concen: 18.891 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

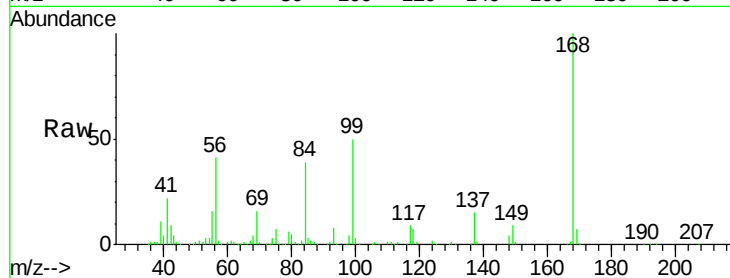
Tot Ion: 56 Resp: 462320

Ion Ratio Lower Upper

56 100

69 37.7 25.5 38.3

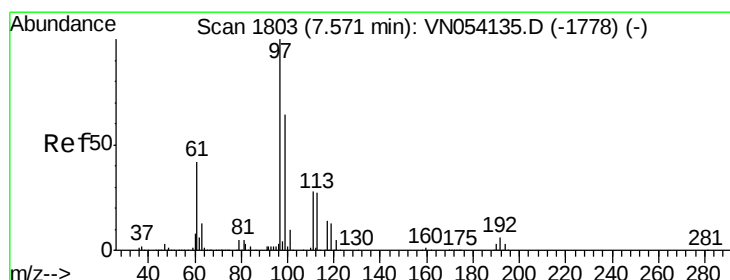
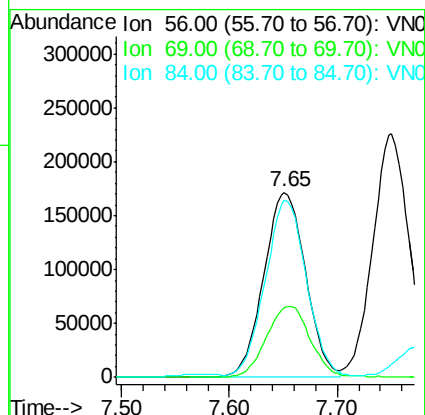
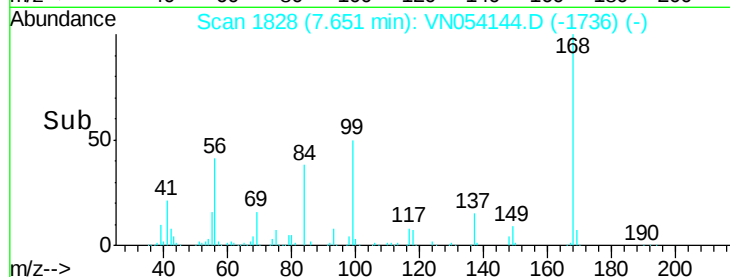
84 93.8 64.5 96.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.178 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

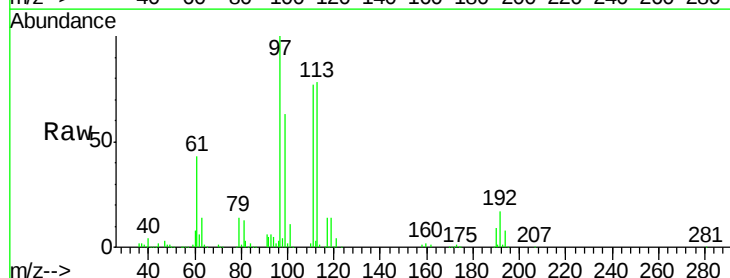
Tgt Ion: 97 Resp: 487783

Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

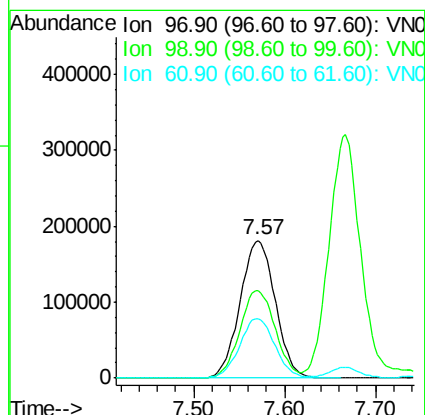
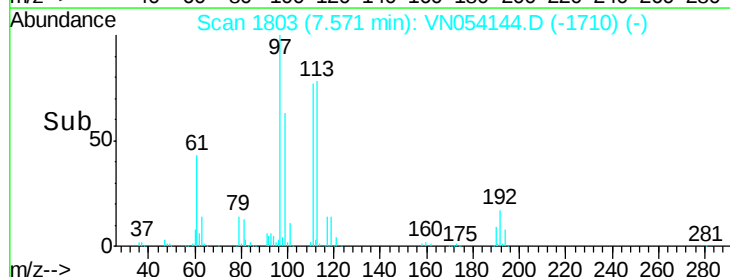
61 43.2 37.1 55.7

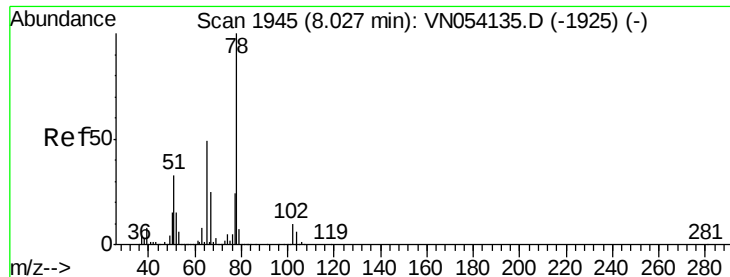


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

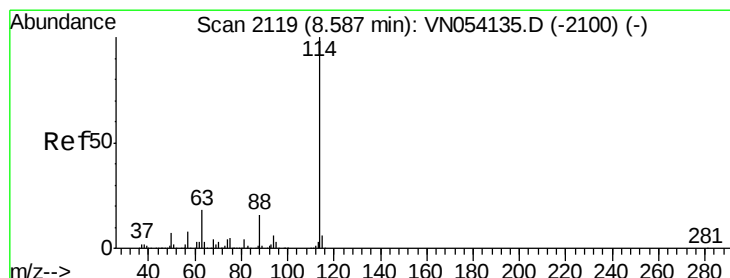
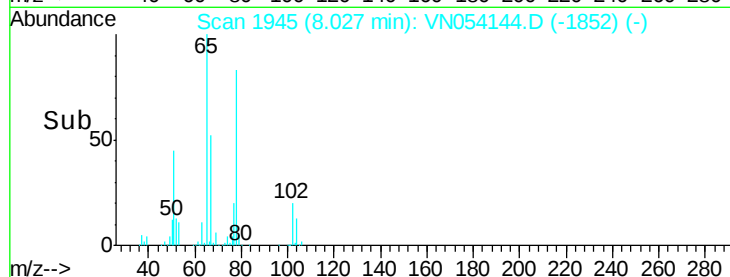
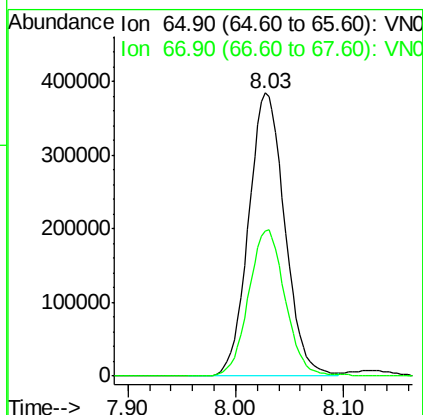
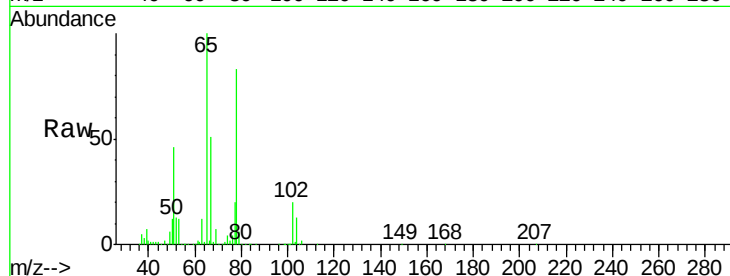




#33
 1,2-Dichloroethane-d4
 Concen: 49.116 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

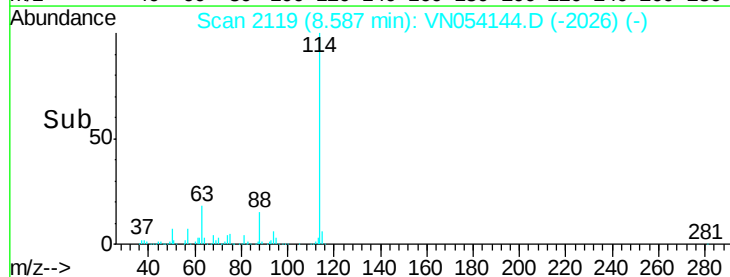
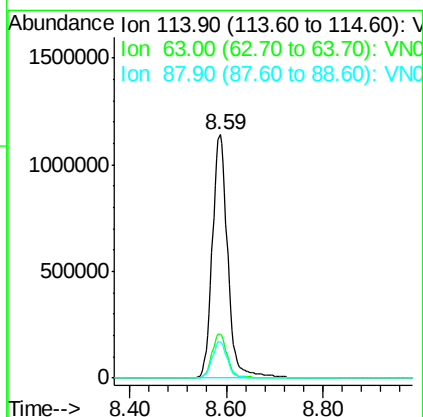
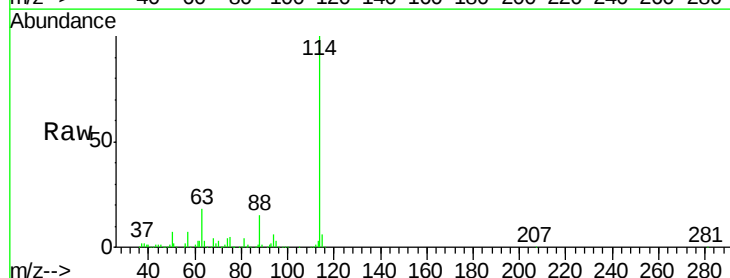
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

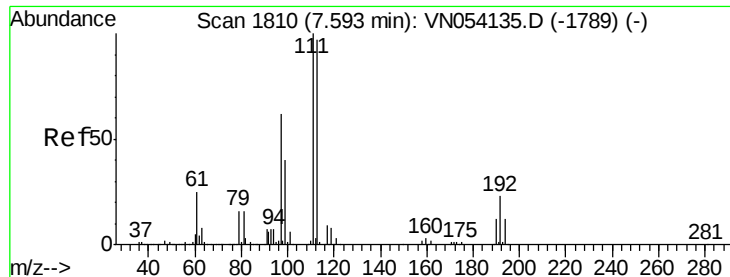
Tot Ion: 65 Resp: 894185
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion: 114 Resp: 2525150
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.6
 88 15.2 0.0 31.8

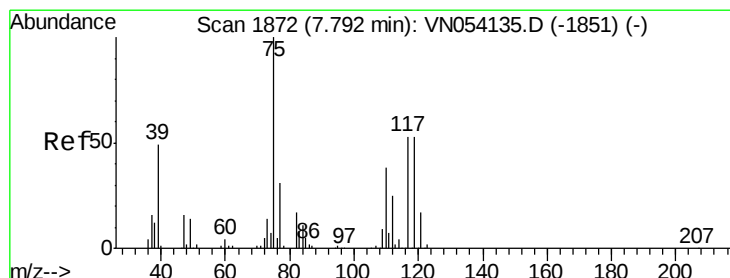
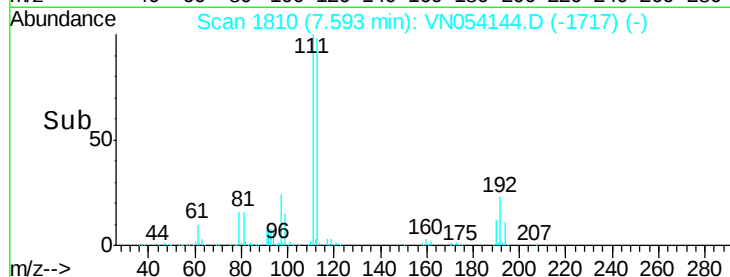
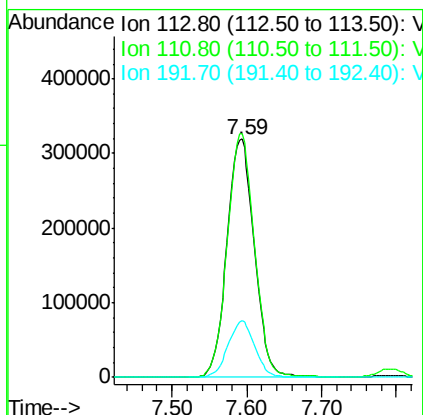
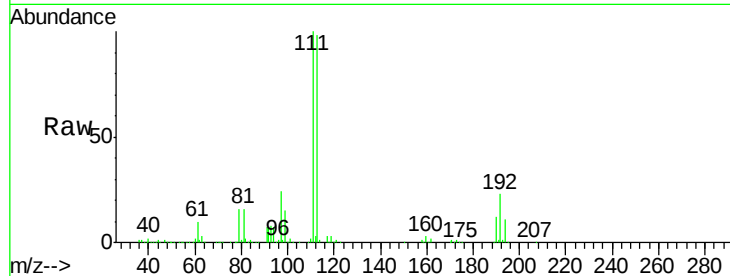




#35
 Dibromofluoromethane
 Concen: 50.009 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

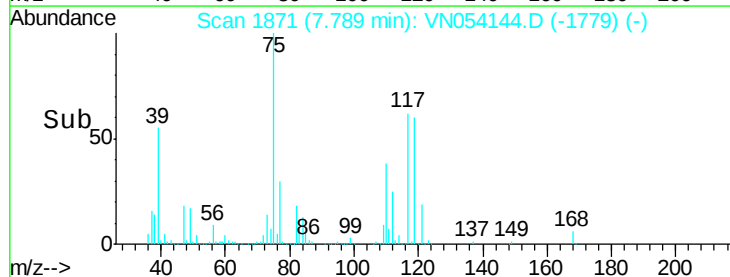
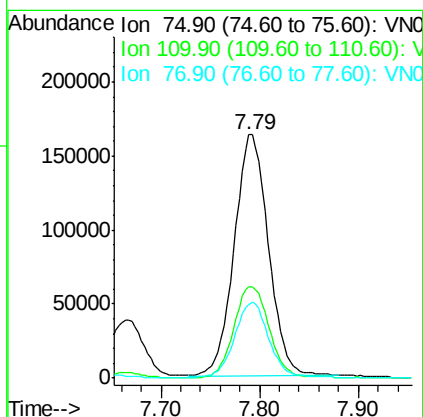
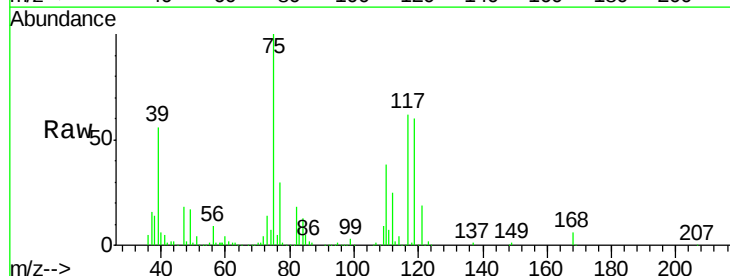
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

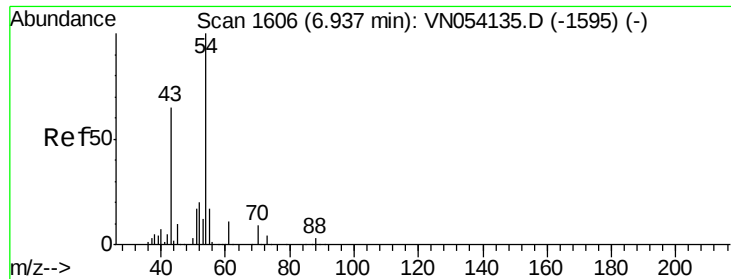
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.1	123.1
192	23.2	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 17.984 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.5	18.0	54.0
77	31.4	25.3	37.9

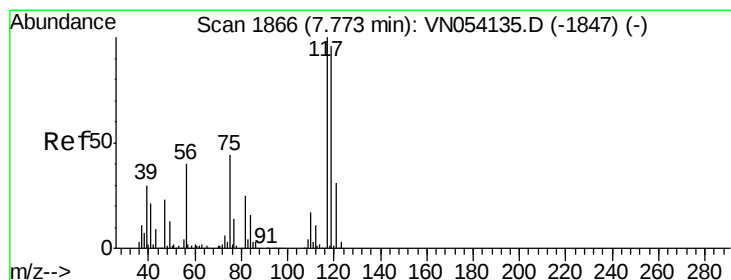
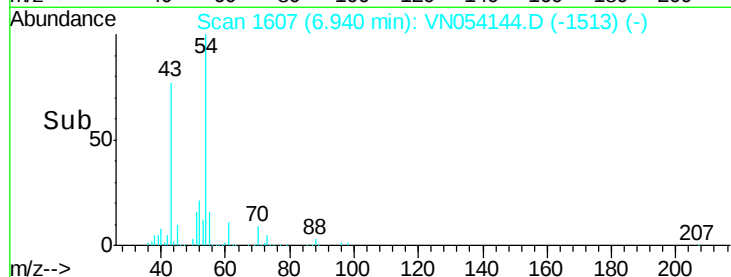
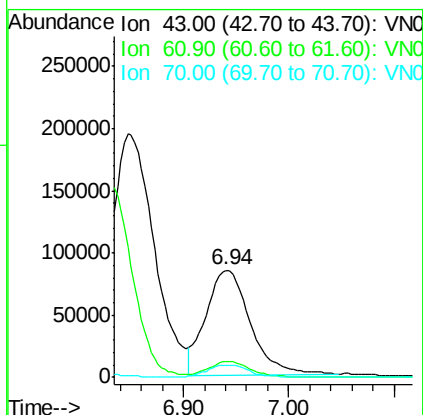
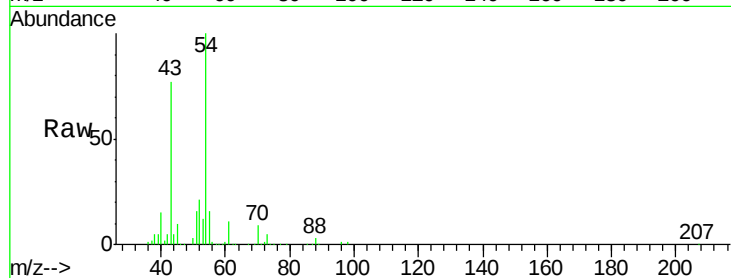




#37
Ethyl Acetate
Concen: 17.280 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

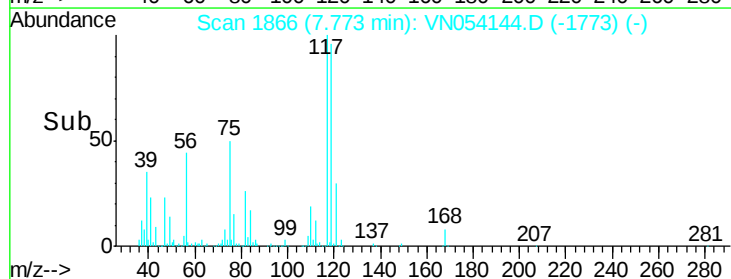
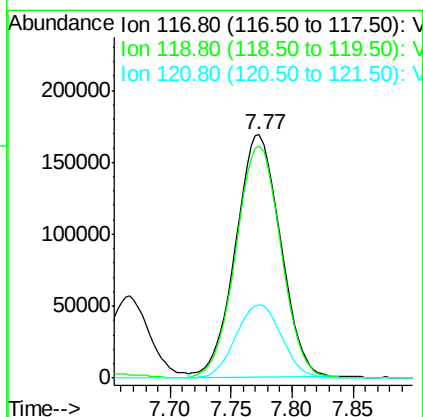
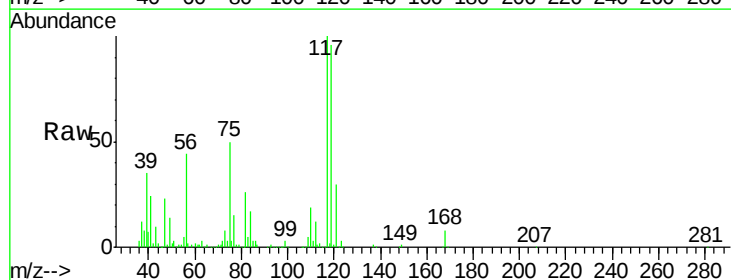
Instrument :
MSVOA_N
ClientSampled :
VN0311WBSD01

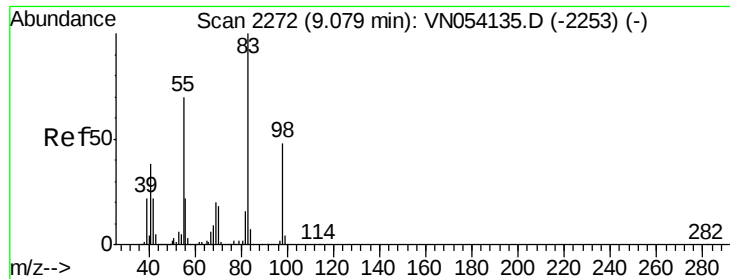
Tot Ion: 43 Resp: 246272
Ion Ratio Lower Upper
43 100
61 13.3 11.1 16.7
70 10.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 17.617 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion: 117 Resp: 429187
Ion Ratio Lower Upper
117 100
119 95.9 77.0 115.6
121 30.2 24.3 36.5

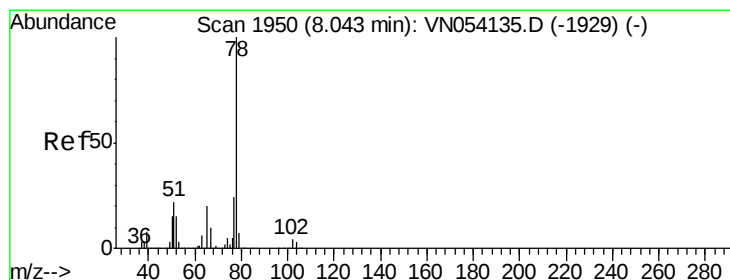
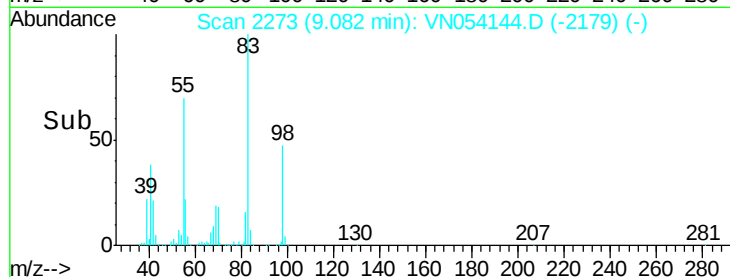
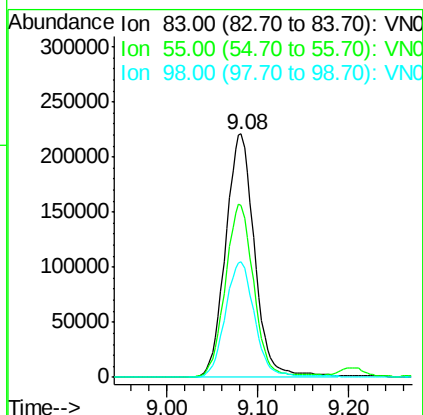
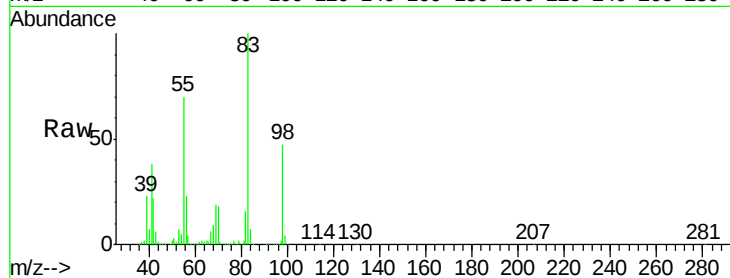




#39
Methvlcvclohexane
Concen: 18.136 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

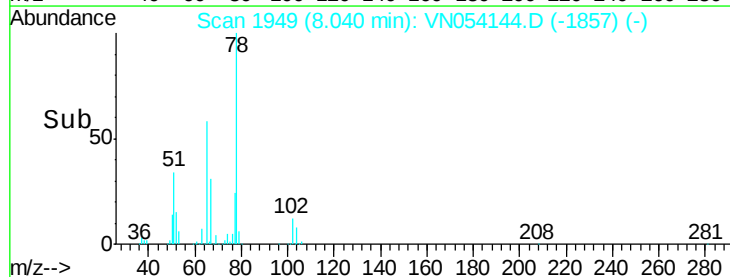
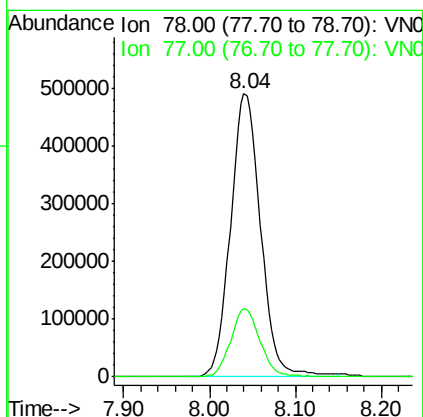
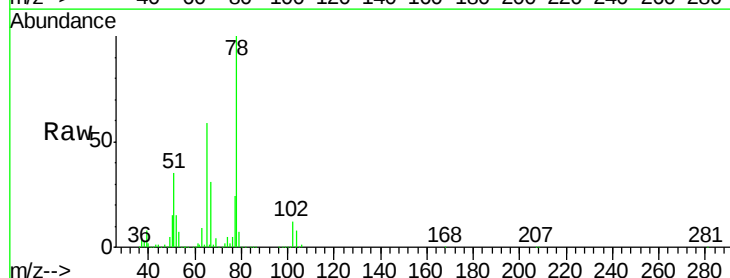
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

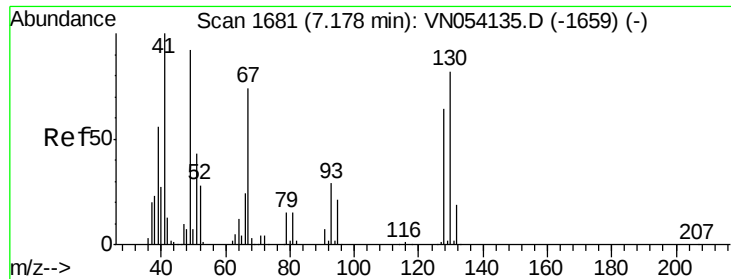
Tot Ion: 83 Resp: 490689
Ion Ratio Lower Upper
83 100
55 70.1 62.1 93.1
98 47.5 36.0 54.0



#40
Benzene
Concen: 18.860 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion: 78 Resp: 1191067
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

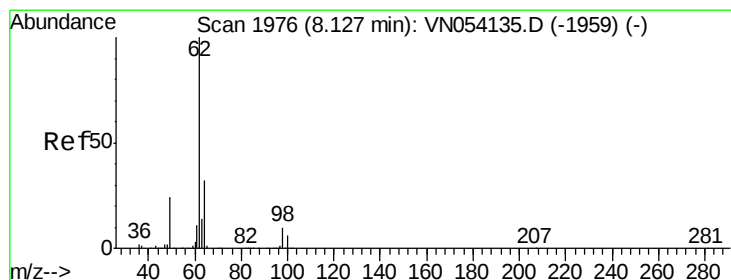
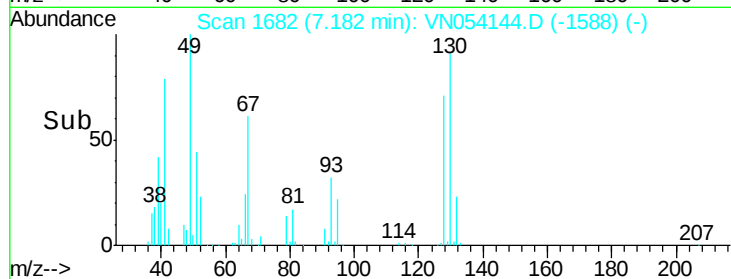
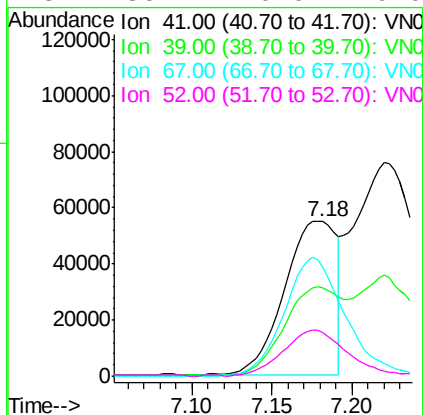
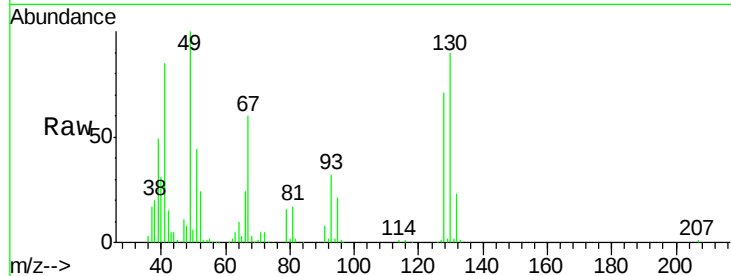




#41
Methacrylonitrile
Concen: 16.706 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

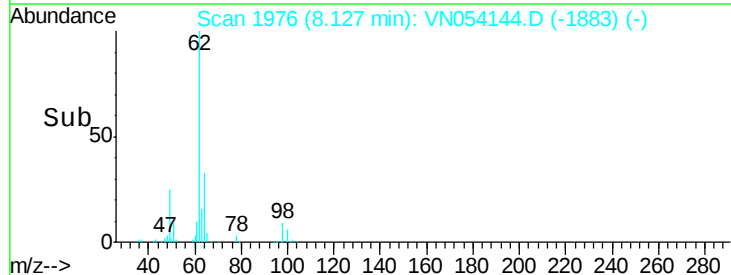
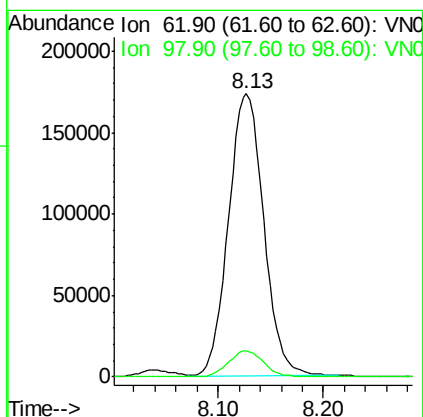
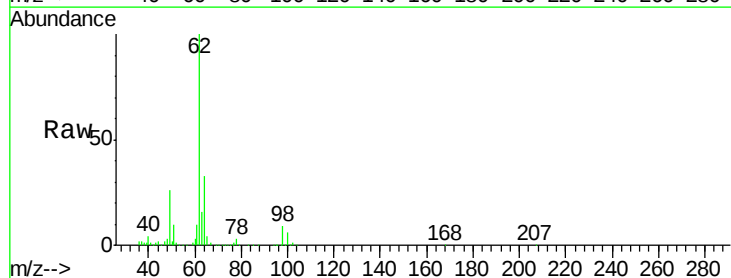
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

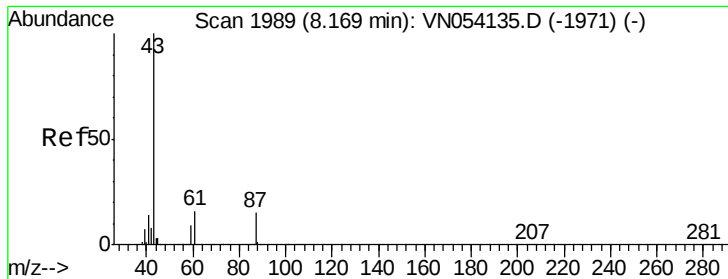
Tot Ion:	41	Resp:	123959
Ion	Ratio	Lower	Upper
41	100		
39	66.1	0.0	0.0#
67	91.4	0.0	0.0#
52	36.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.504 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion:	62	Resp:	402879
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 18.390 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

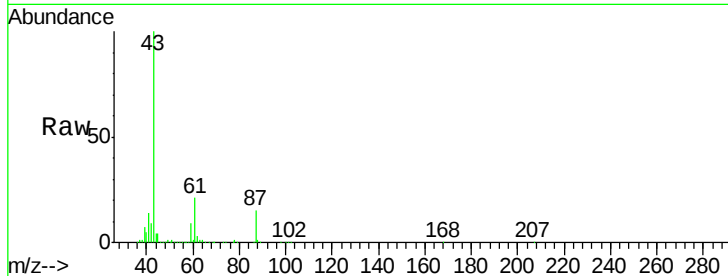
Tot Ion: 43 Resp: 435664

Ion Ratio Lower Upper

43 100

61 20.8 22.5 33.7#

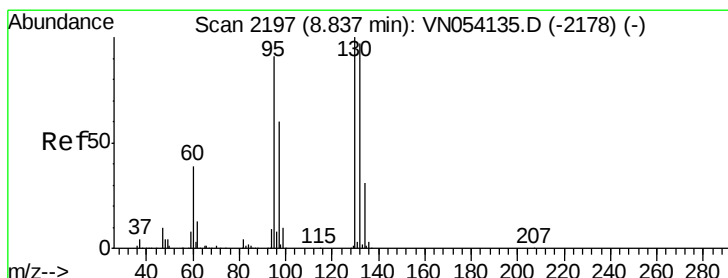
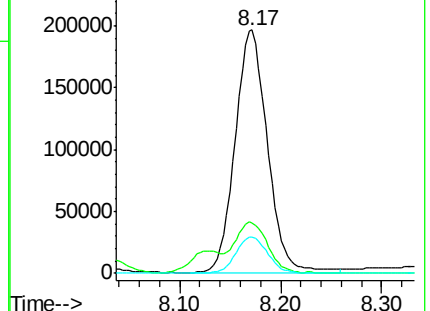
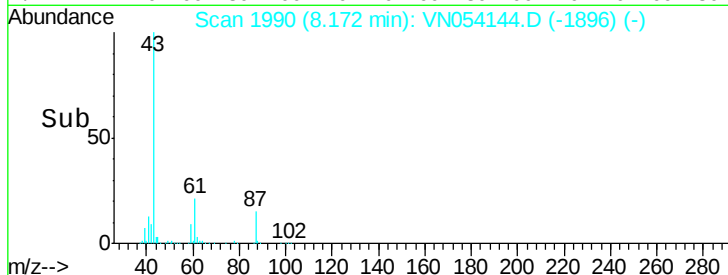
87 14.8 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VN054135.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054135.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054135.D (-1971) (-)



#44

Trichloroethene

Concen: 18.737 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054144.D

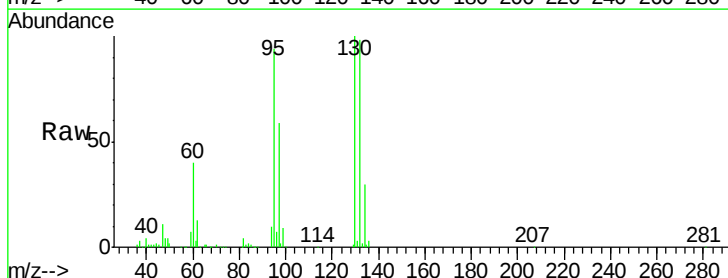
Acq: 11 Mar 2019 16:39

Tgt Ion: 130 Resp: 365162

Ion Ratio Lower Upper

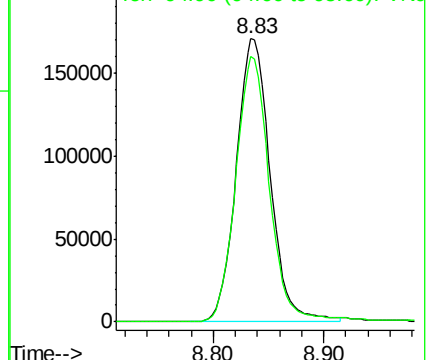
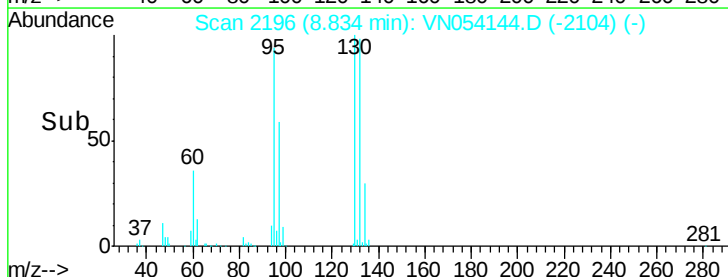
130 100

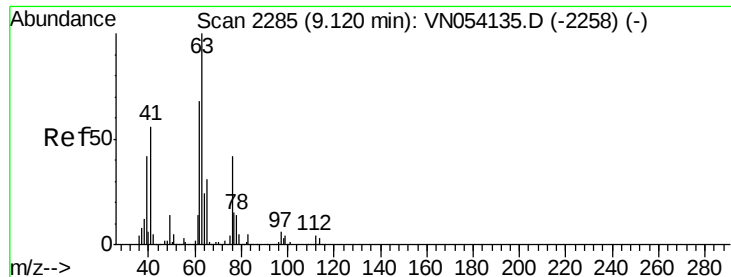
95 93.6 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): VN054135.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054135.D (-2178) (-)





#45

1,2-Dichloropropane

Concen: 18.753 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

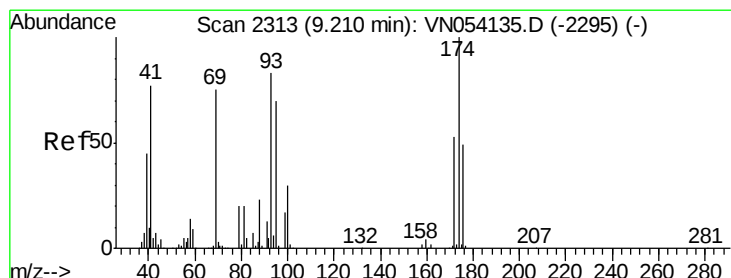
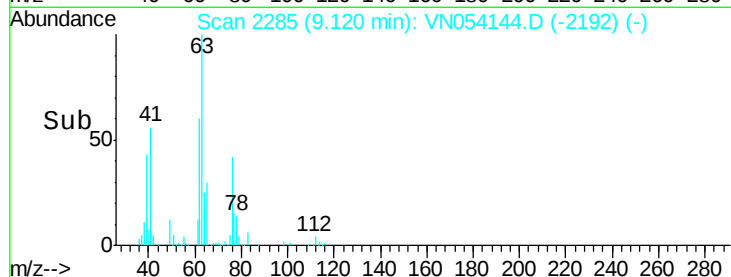
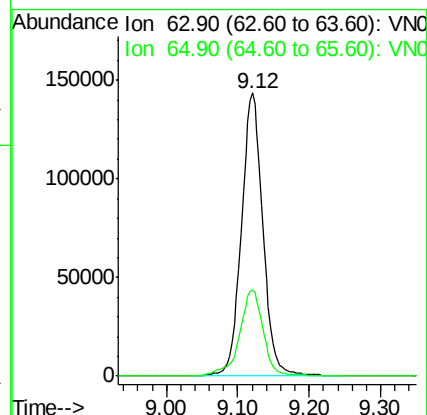
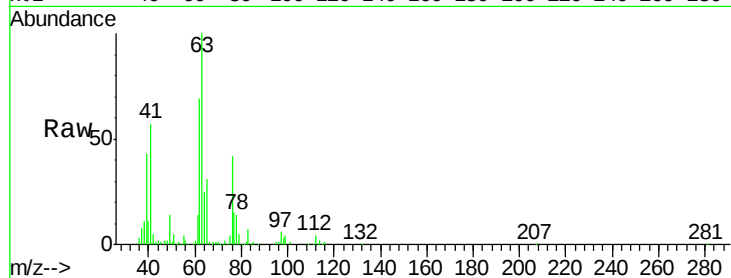
VN0311WBSD01

Tot Ion: 63 Resp: 302625

Ion Ratio Lower Upper

63 100

65 30.7 24.6 36.8



#46

Dibromomethane

Concen: 18.200 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

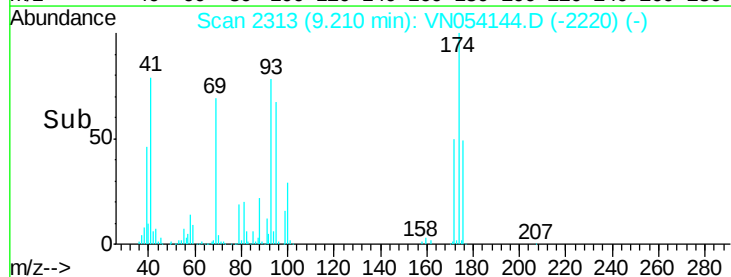
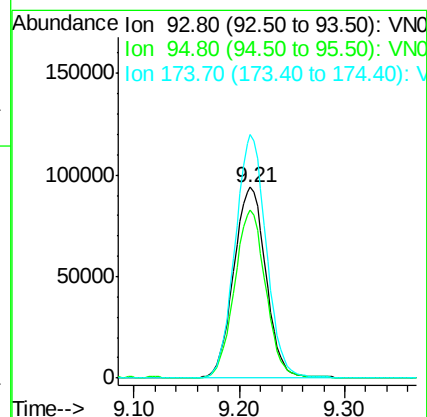
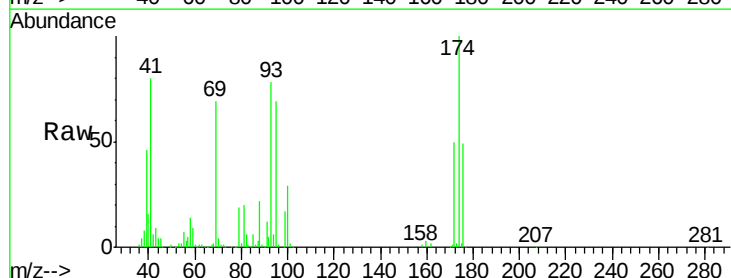
Tgt Ion: 93 Resp: 199246

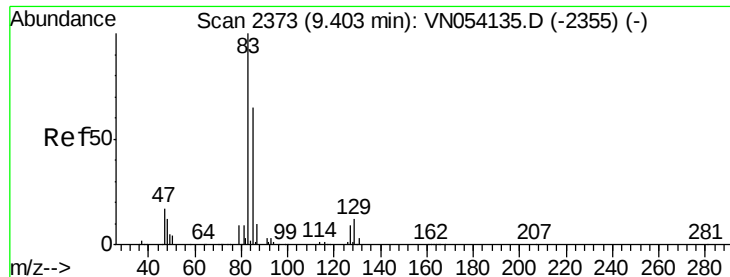
Ion Ratio Lower Upper

93 100

95 84.8 66.1 99.1

174 123.2 86.1 129.1





#47

Bromodichloromethane

Concen: 18.369 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

VN0311WBSD01

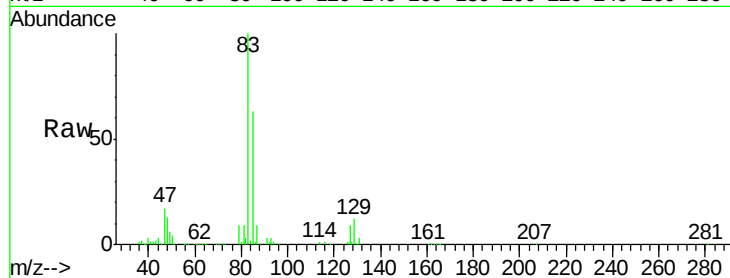
Tot Ion: 83 Resp: 416855

Ion Ratio Lower Upper

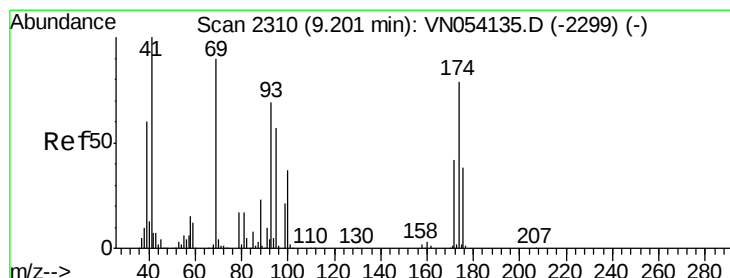
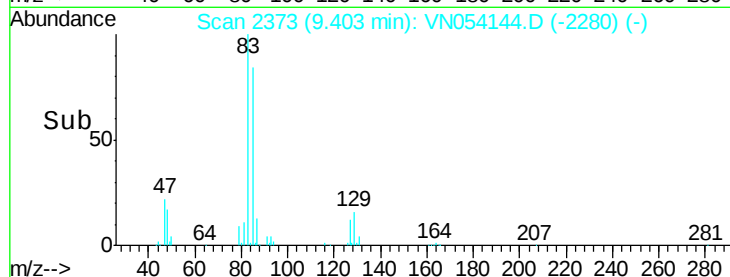
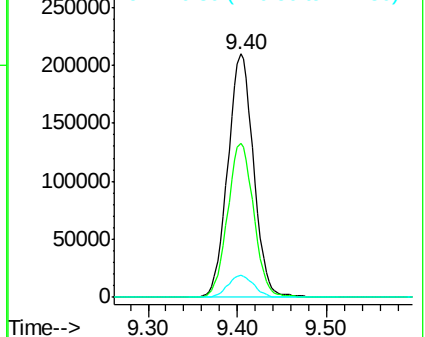
83 100

85 63.5 51.0 76.4

127 8.9 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 17.529 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

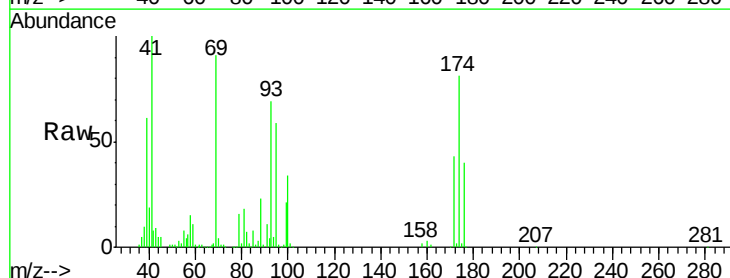
Tgt Ion: 41 Resp: 223247

Ion Ratio Lower Upper

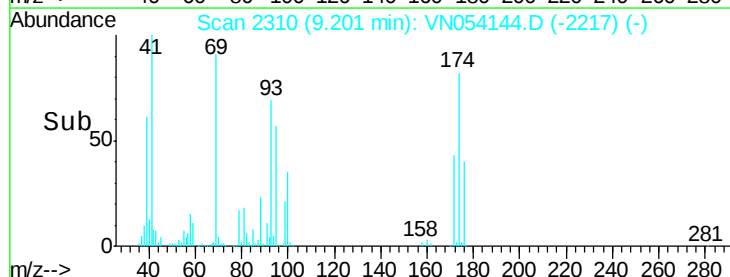
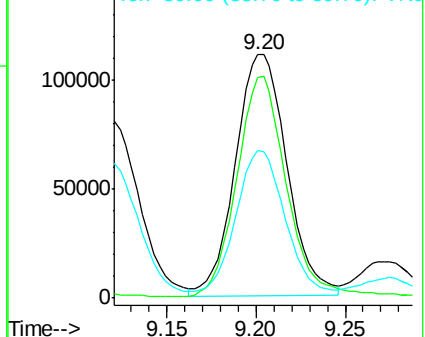
41 100

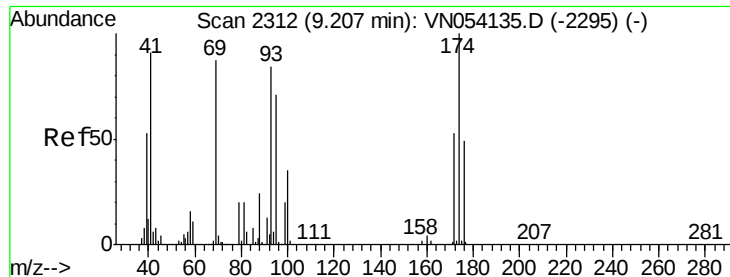
69 88.5 71.0 106.4

39 59.0 43.7 65.5



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 359.109 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

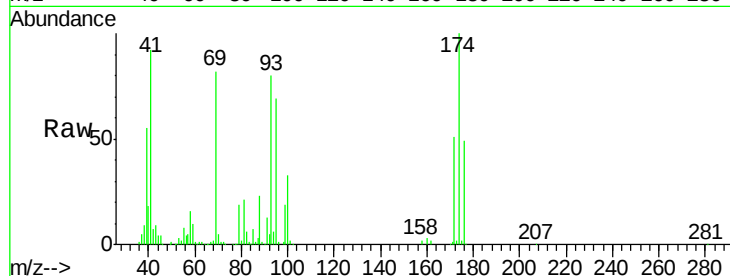
Tot Ion: 88 Resp: 59339

Ion Ratio Lower Upper

88 100

43 33.1 25.5 38.3

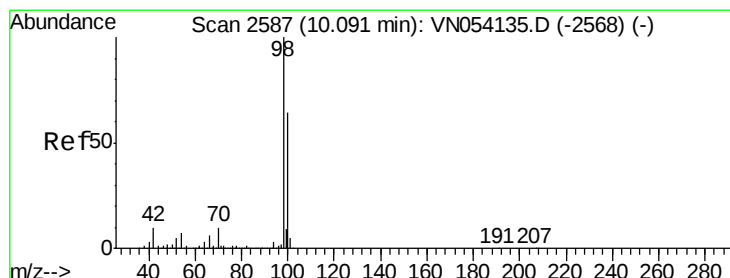
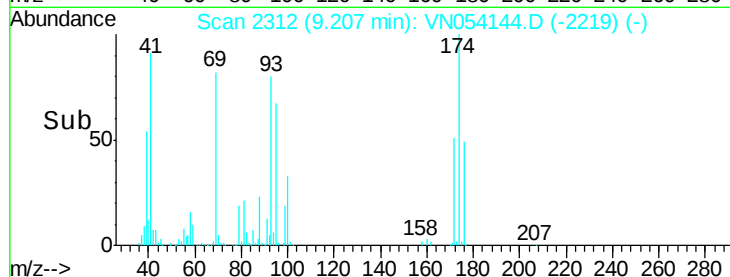
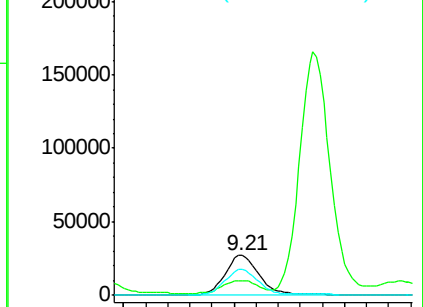
58 66.0 58.3 87.5



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: 49.202 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054144.D

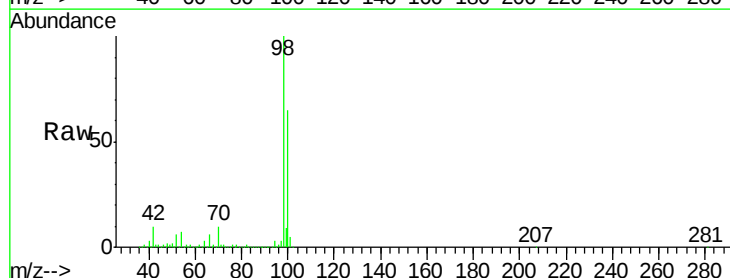
Acq: 11 Mar 2019 16:39

Tgt Ion: 98 Resp: 2953045

Ion Ratio Lower Upper

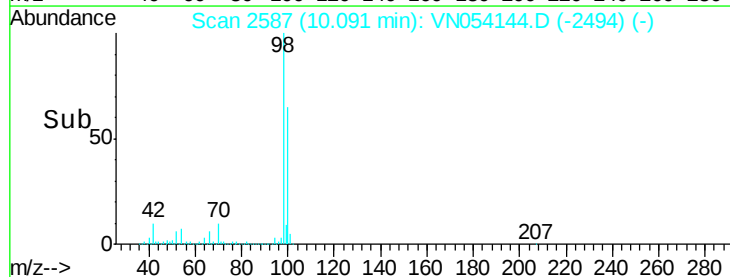
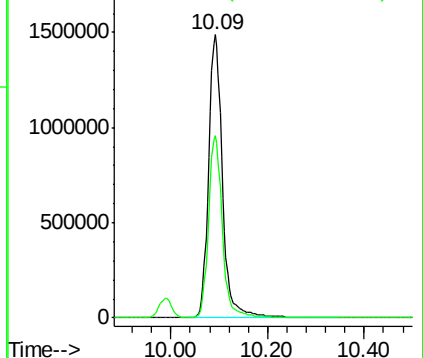
98 100

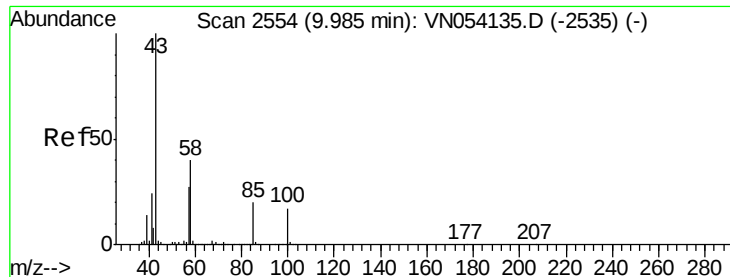
100 63.6 51.7 77.5



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: 88.767 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

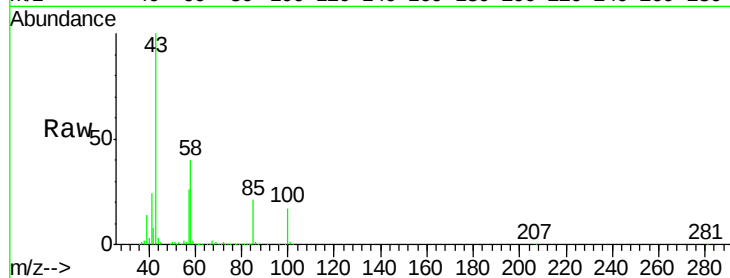
VN0311WBSD01

Tot Ion: 43 Resp: 1127936

Ion Ratio Lower Upper

43 100

58 40.2 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

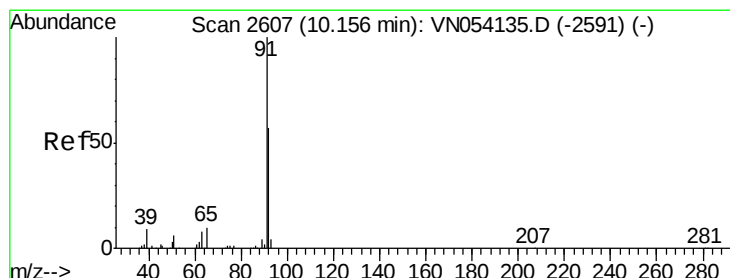
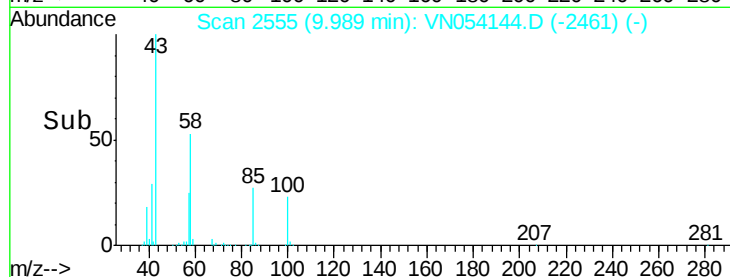
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 18.507 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054144.D

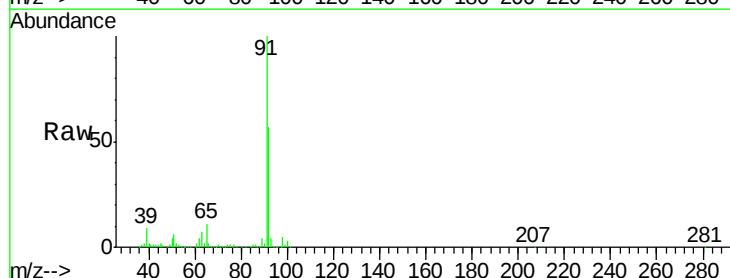
Acq: 11 Mar 2019 16:39

Tgt Ion: 92 Resp: 748321

Ion Ratio Lower Upper

92 100

91 174.2 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

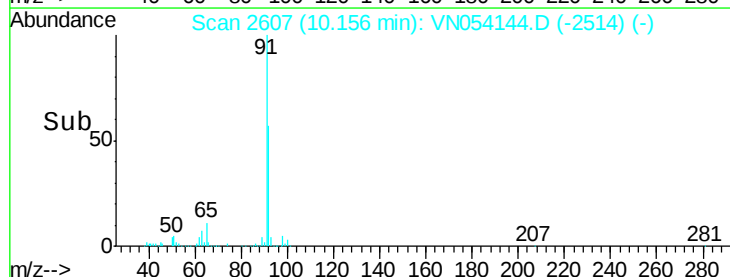
600000

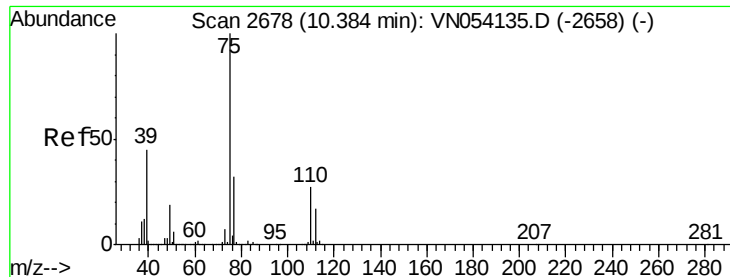
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.984 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

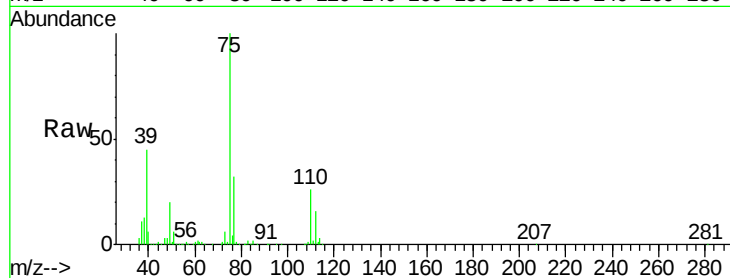
VN0311WBSD01

Tot Ion: 75 Resp: 415560

Ion Ratio Lower Upper

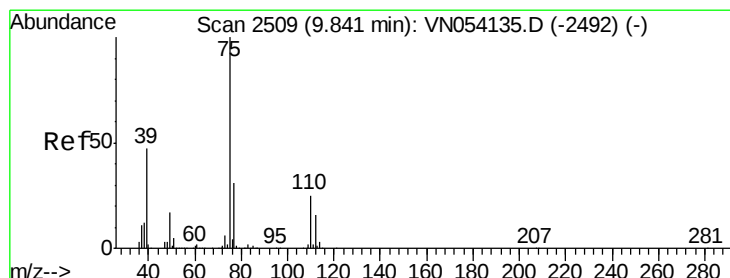
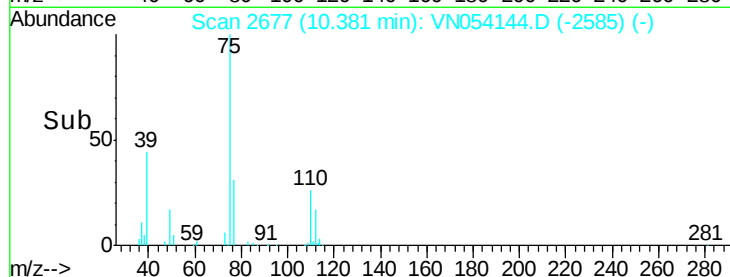
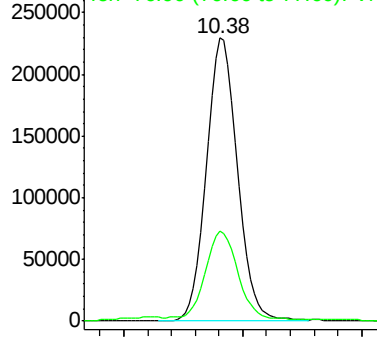
75 100

77 31.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.219 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

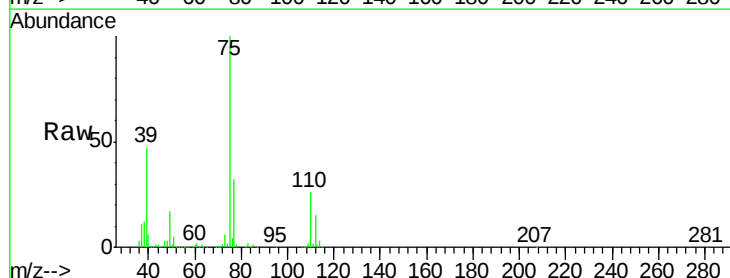
Tgt Ion: 75 Resp: 472790

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

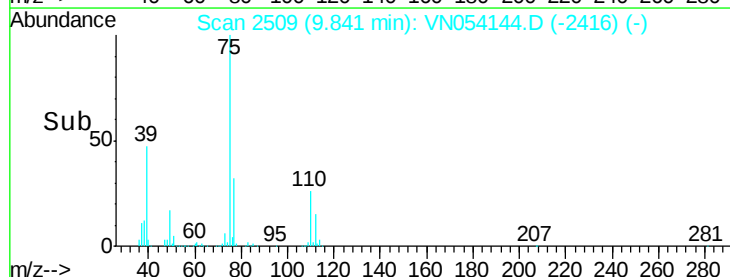
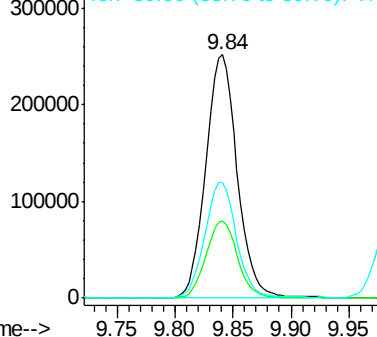
39 47.1 36.2 54.2

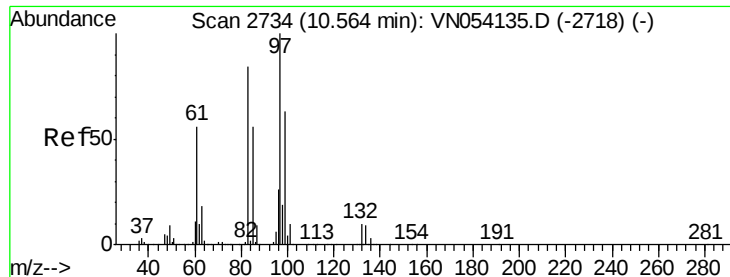


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

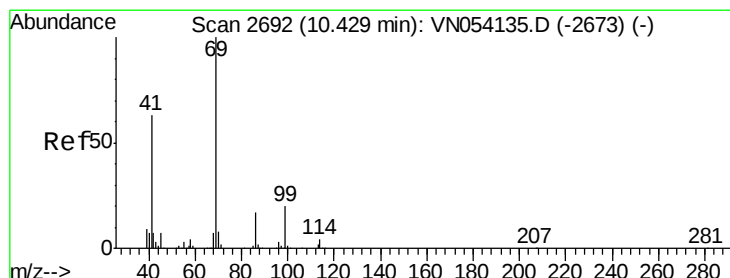
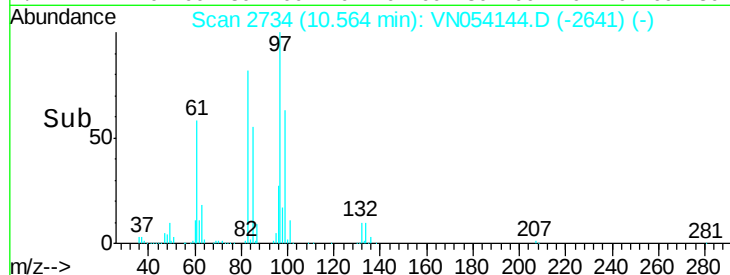
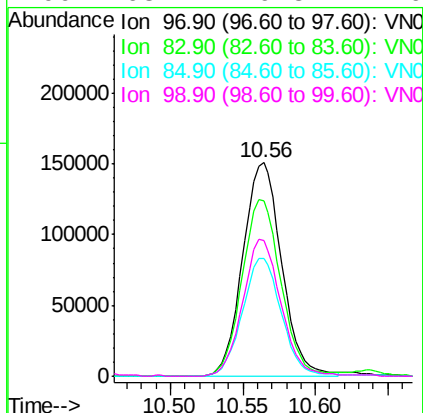
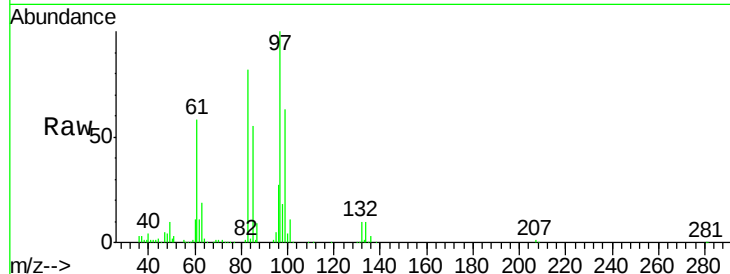




#55
 1,1,2-Trichloroethane
 Concen: 18.377 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

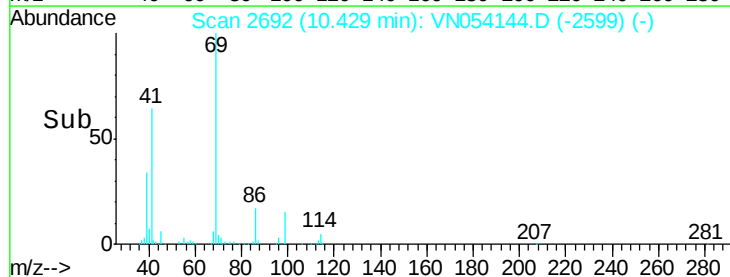
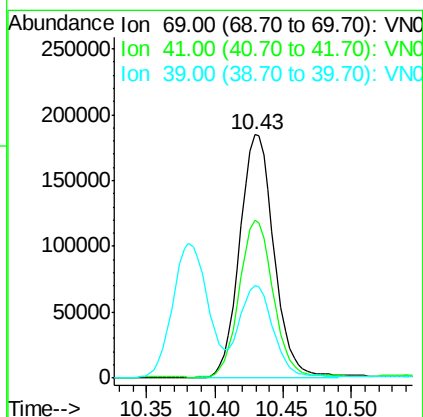
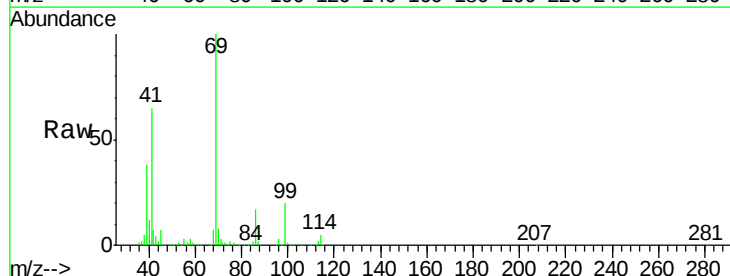
Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBSD01

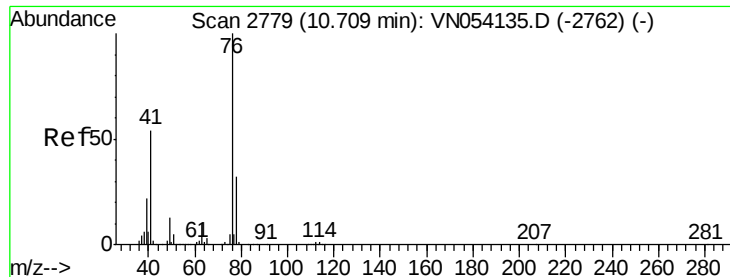
Tot Ion:	97	Resp:	280132
Ion	Ratio	Lower	Upper
97	100		
83	82.3	69.8	104.6
85	55.4	45.0	67.4
99	63.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 17.418 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion:	69	Resp:	324995
Ion	Ratio	Lower	Upper
69	100		
41	63.2	53.4	80.2
39	37.4	25.6	38.4

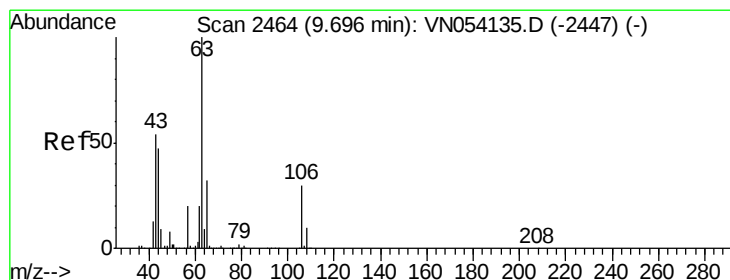
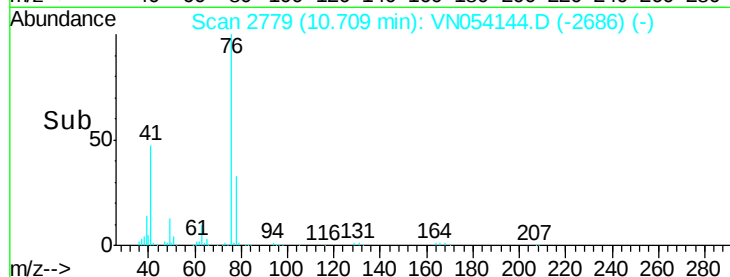
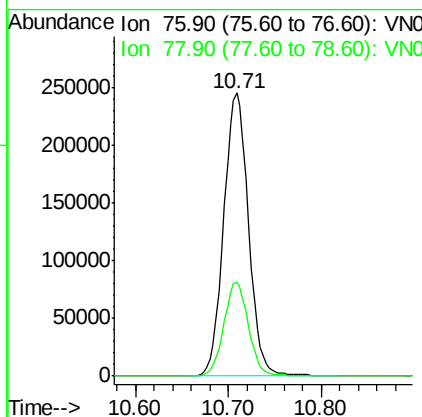
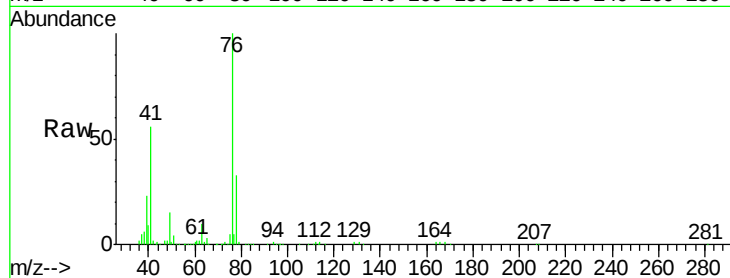




#57
 1,3-Dichloropropane
 Concen: 18.425 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

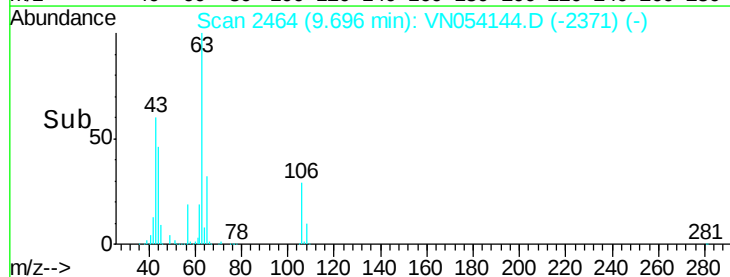
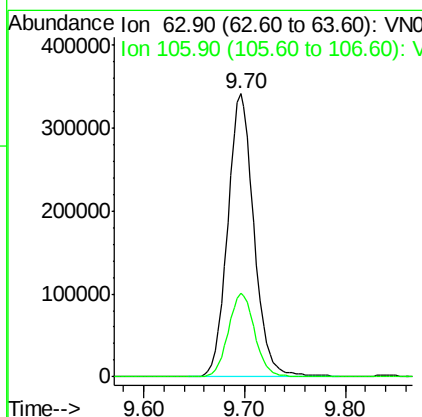
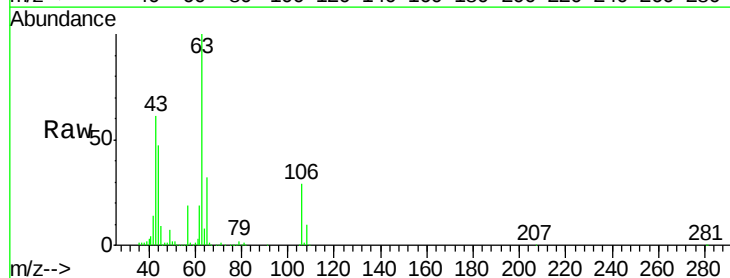
Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBSD01

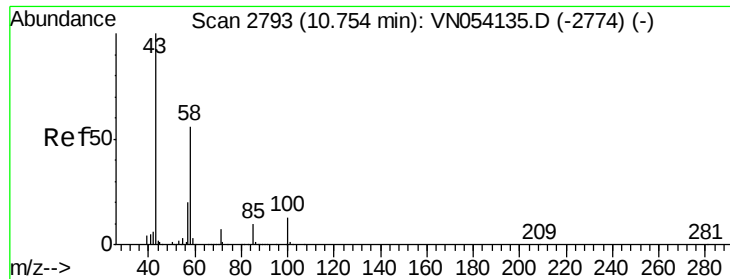
Tot Ion: 76 Resp: 454624
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.024 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion: 63 Resp: 620174
 Ion Ratio Lower Upper
 63 100
 106 29.9 20.2 30.2

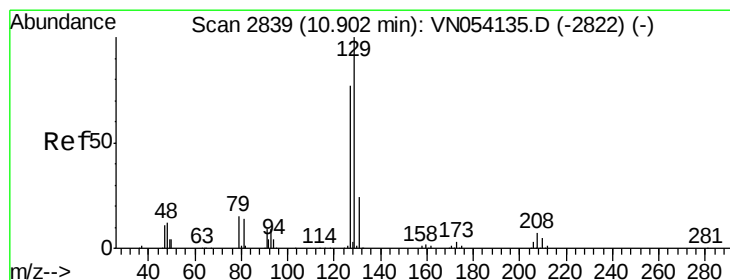
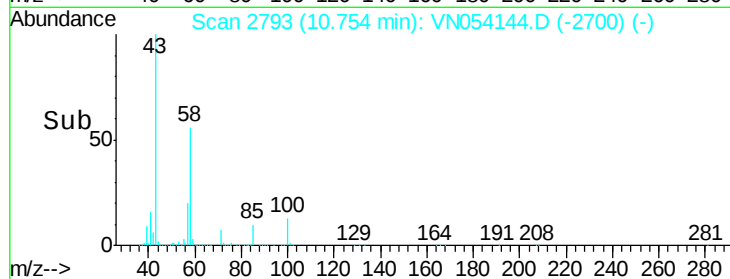
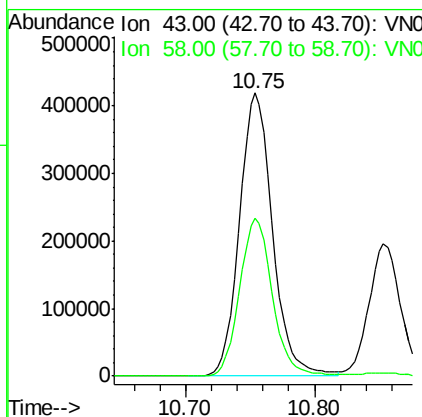
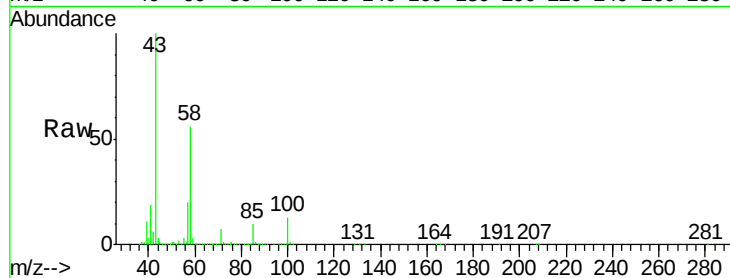




#59
2-Hexanone
Concen: 88.103 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

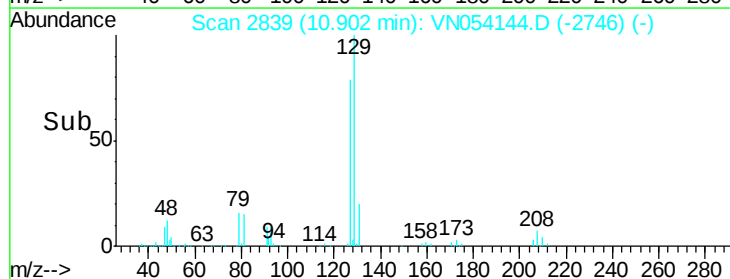
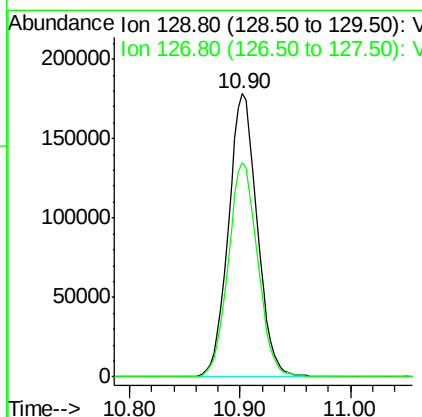
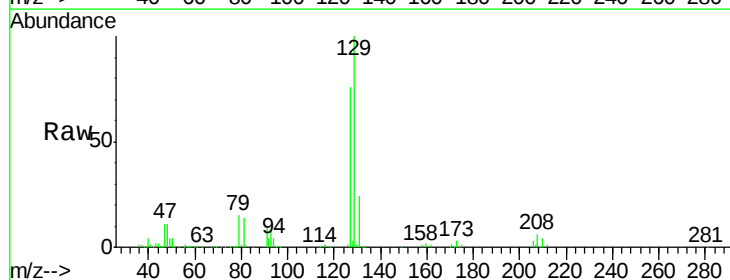
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

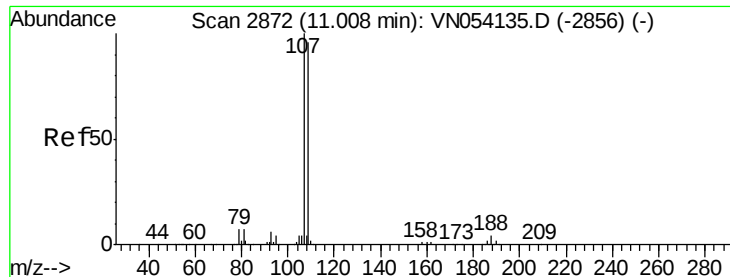
Tot Ion: 43 Resp: 742961
Ion Ratio Lower Upper
43 100
58 55.6 27.0 81.0



#60
Dibromochloromethane
Concen: 18.305 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion: 129 Resp: 323225
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4

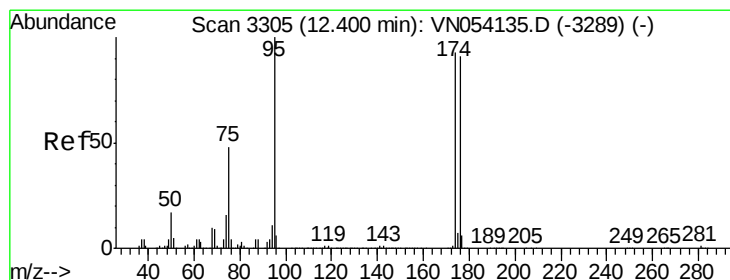
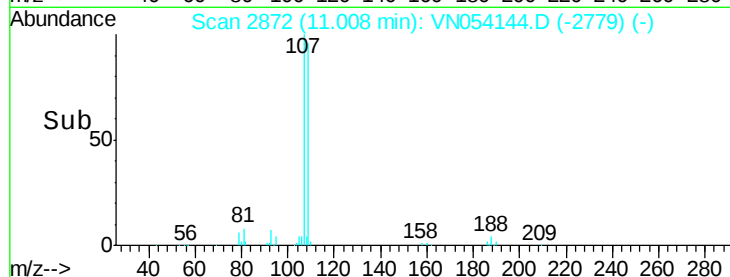
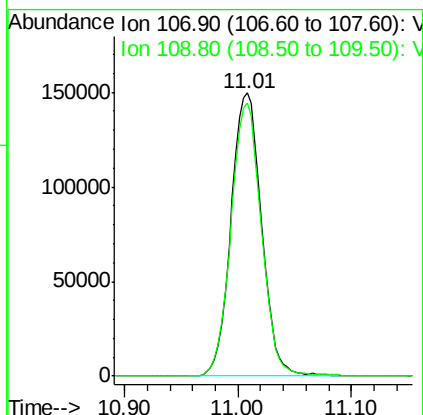
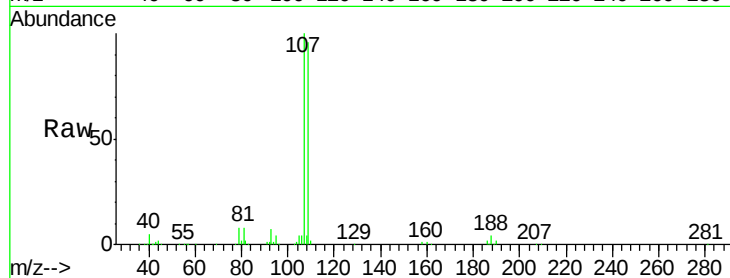




#61
 1,2-Dibromoethane
 Concen: 18.378 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

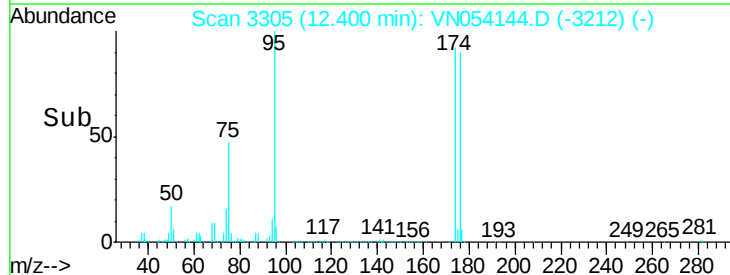
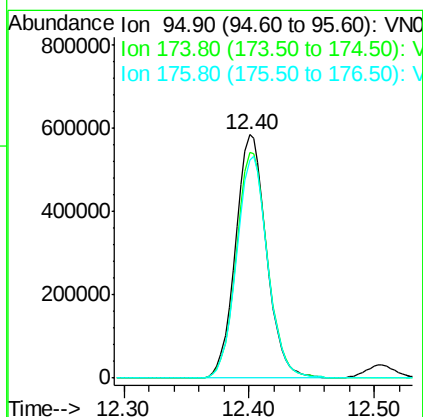
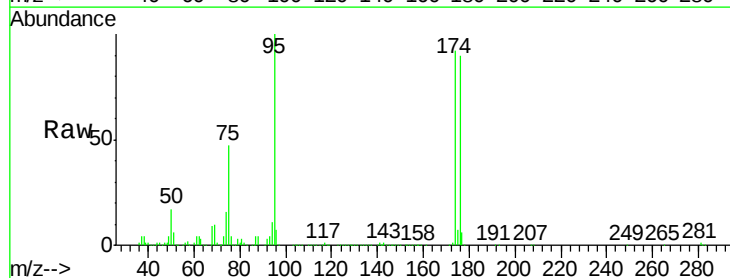
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

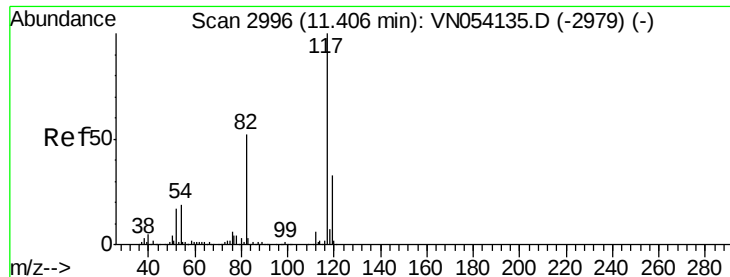
Tot Ion: 107 Resp: 281531
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 47.620 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion: 95 Resp: 1000605
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 173.2
 176 91.4 0.0 168.8

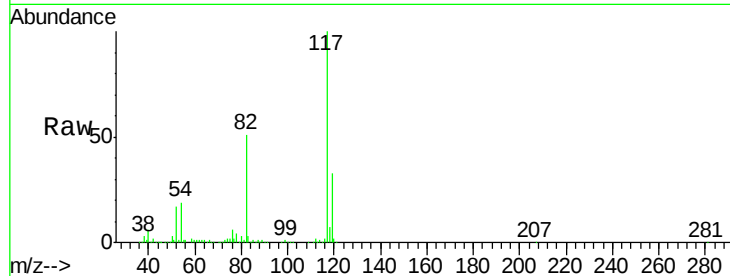




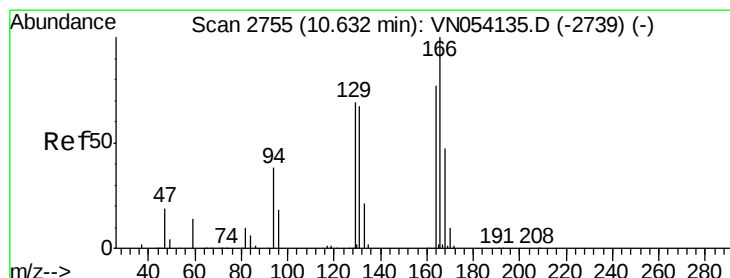
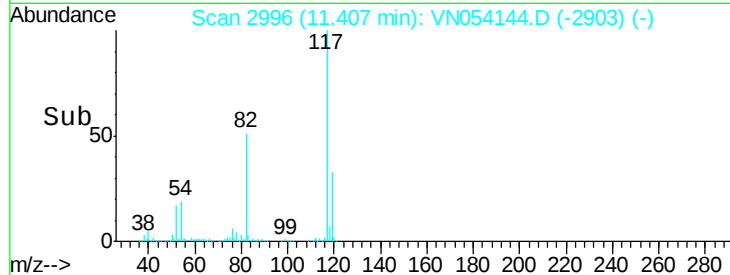
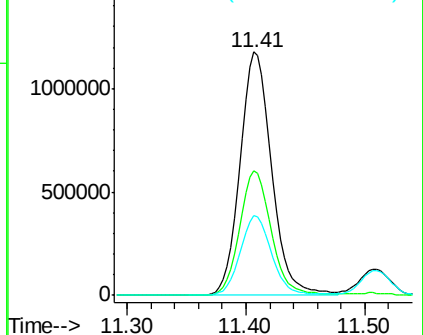
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tot Ion:117 Resp: 2172061
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.2
119 32.6 26.0 39.0



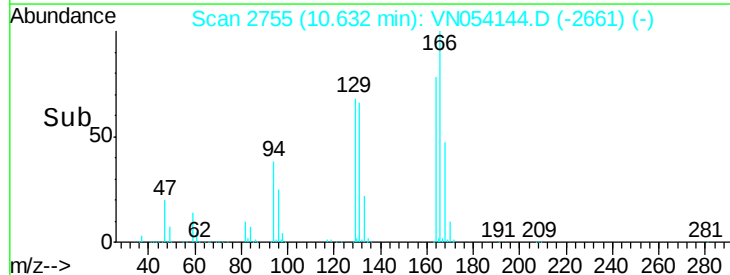
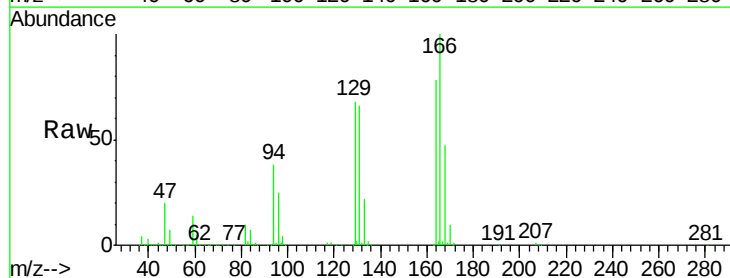
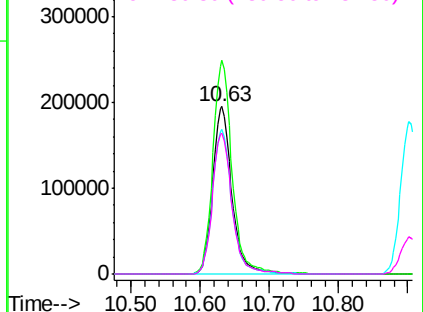
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

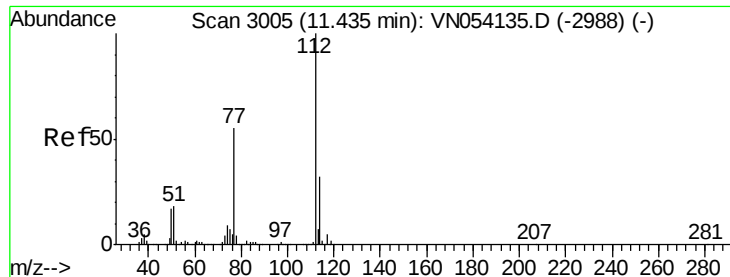


#64
Tetrachloroethene
Concen: 18.624 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion:164 Resp: 372469
Ion Ratio Lower Upper
164 100
166 127.5 101.3 151.9
129 86.3 73.2 109.8
131 83.8 70.8 106.2

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

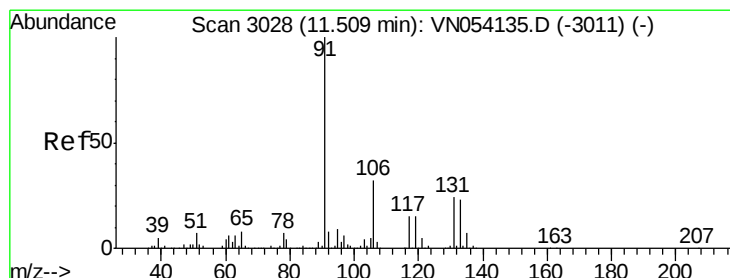
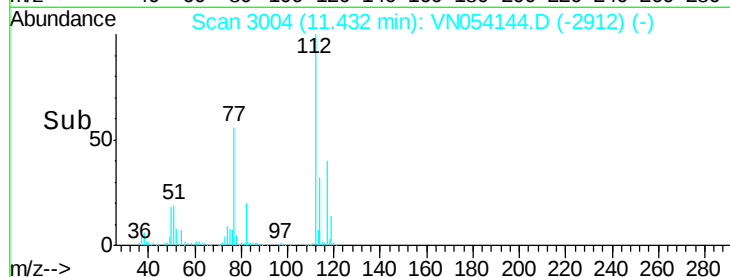
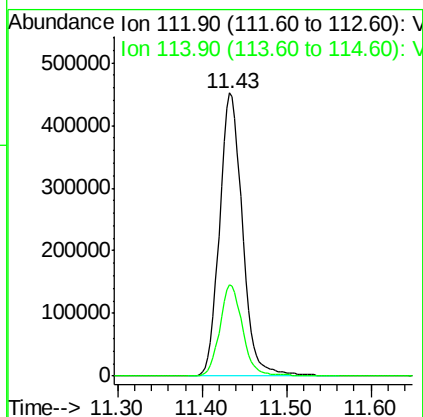
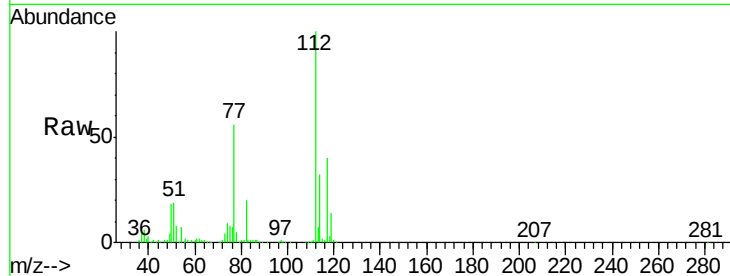




#65
Chlorobenzene
Concen: 18.547 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

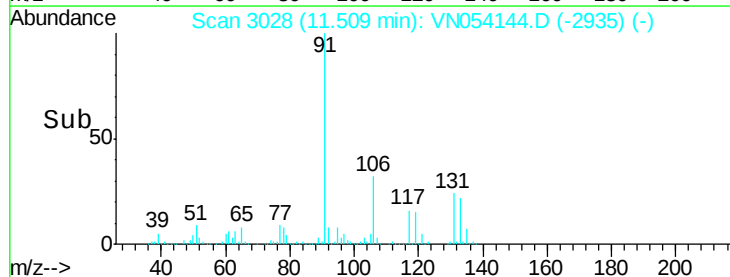
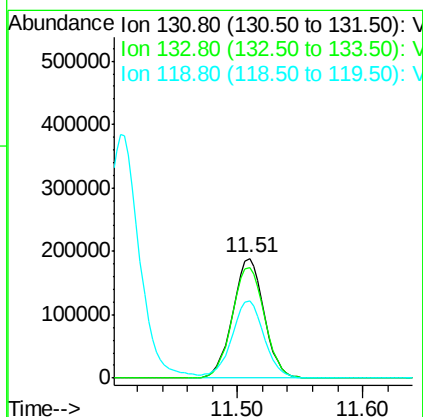
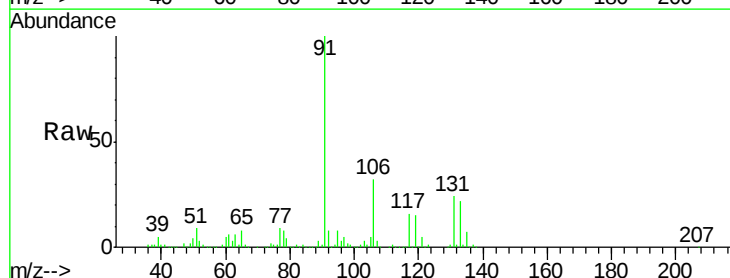
Instrument :
MSVOA_N
ClientSampled :
VN0311WBSD01

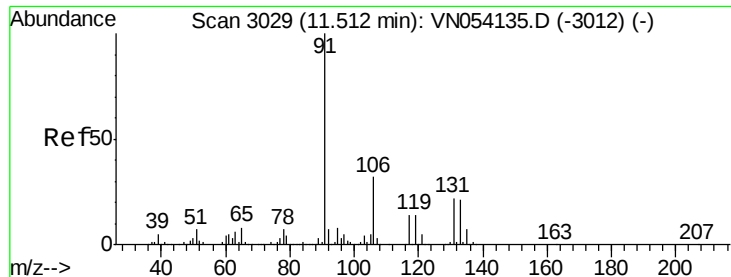
Tot Ion:112 Resp: 853588
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.931 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion:131 Resp: 327757
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 66.4 33.8 101.3





#67

Ethyl Benzene

Concen: 18.479 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

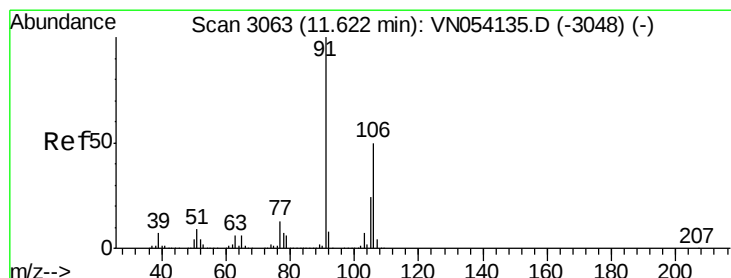
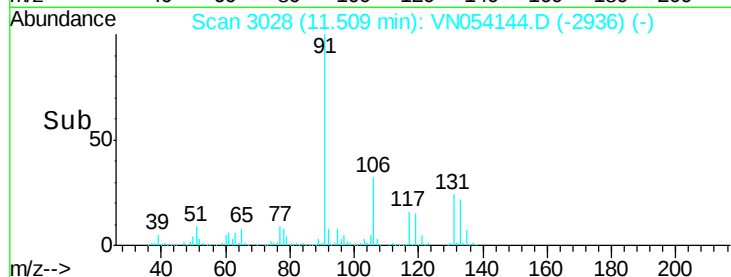
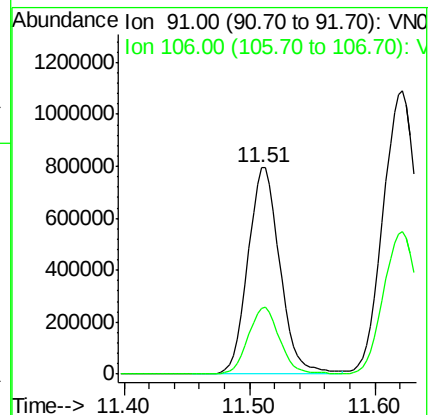
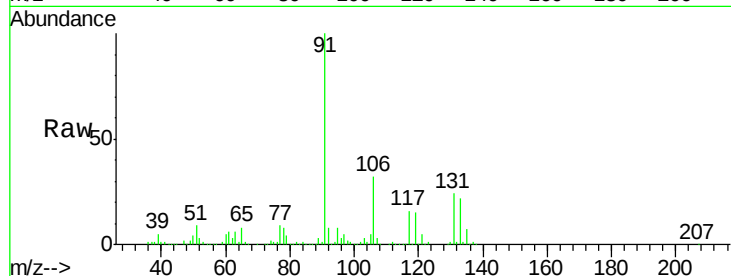
VN0311WBSD01

Tot Ion: 91 Resp: 1413641

Ion Ratio Lower Upper

91 100

106 32.0 24.6 36.8



#68

m/p-Xylenes

Concen: 36.811 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054144.D

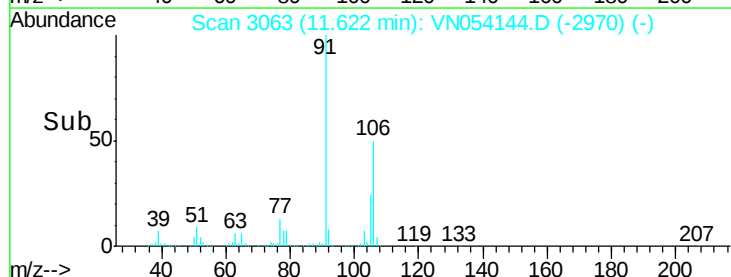
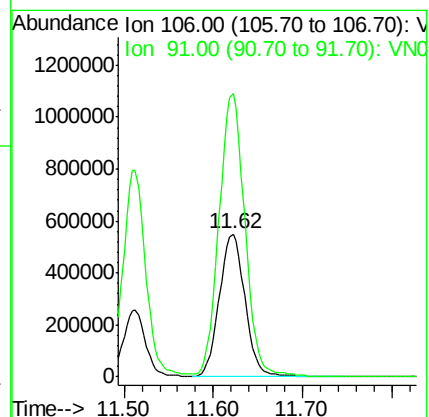
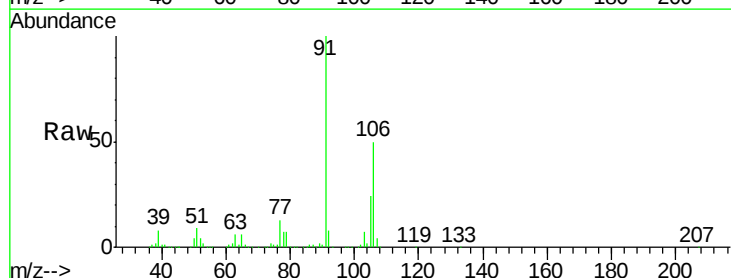
Acq: 11 Mar 2019 16:39

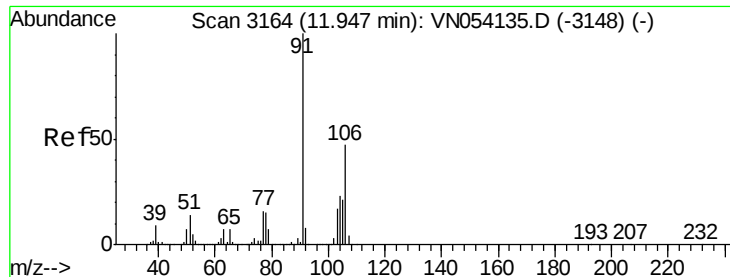
Tgt Ion: 106 Resp: 1101272

Ion Ratio Lower Upper

106 100

91 200.2 163.2 244.8

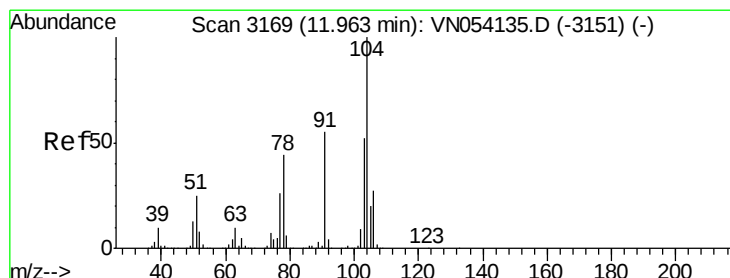
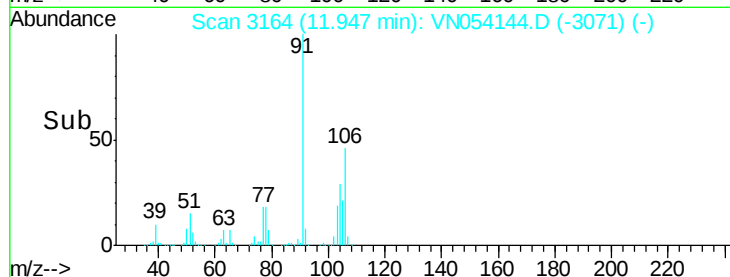
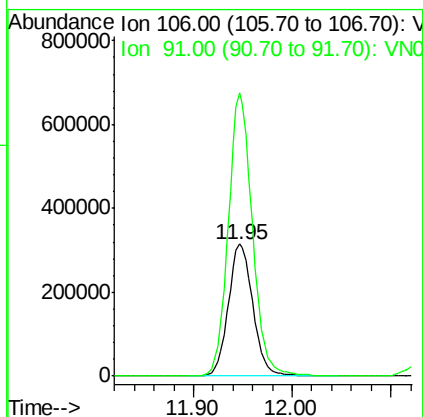
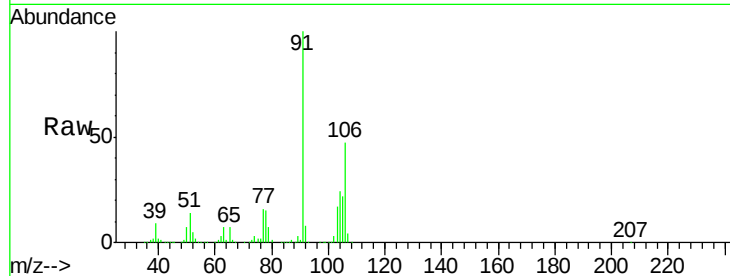




#69
o-Xylene
Concen: 18.749 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

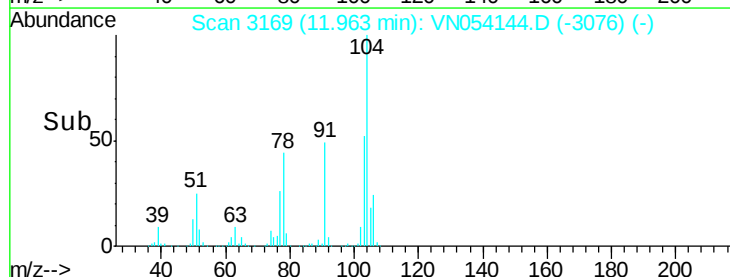
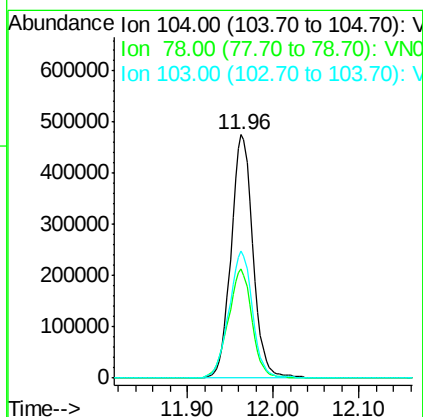
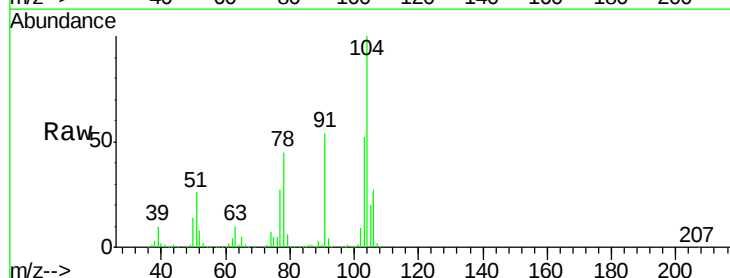
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

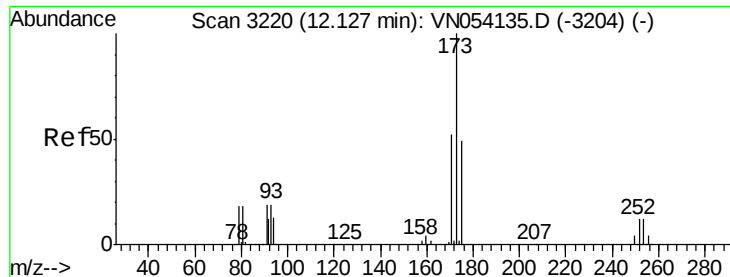
Tot Ion:106 Resp: 550572
Ion Ratio Lower Upper
106 100
91 209.4 107.1 321.3



#70
Styrene
Concen: 18.397 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion:104 Resp: 836890
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.0
103 56.3 44.7 67.1





#71

Bromoform

Concen: 18.288 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

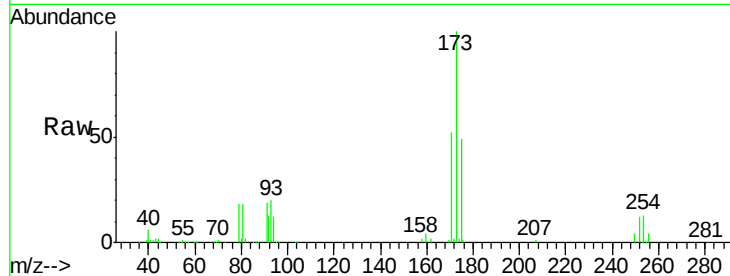
Tot Ion:173 Resp: 219432

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

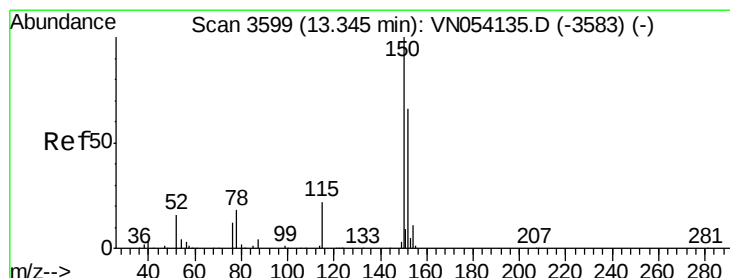
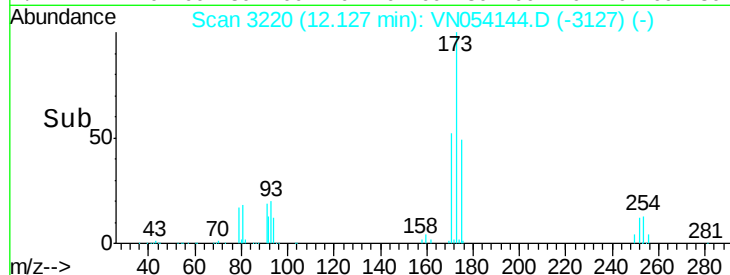
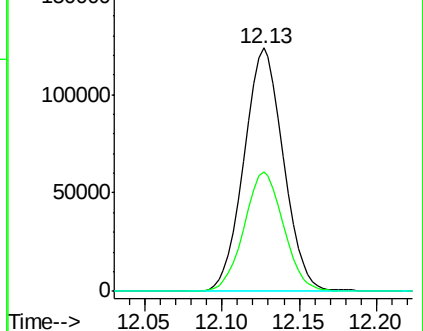
254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

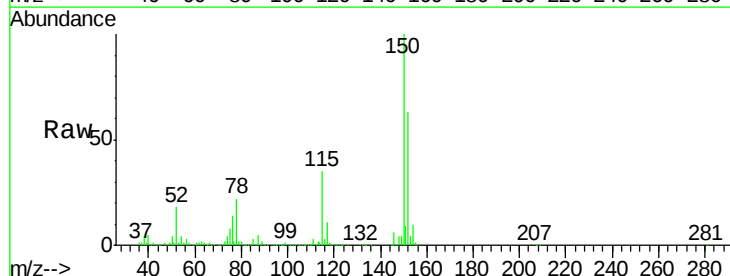
Tgt Ion:152 Resp: 986777

Ion Ratio Lower Upper

152 100

115 54.8 28.5 85.6

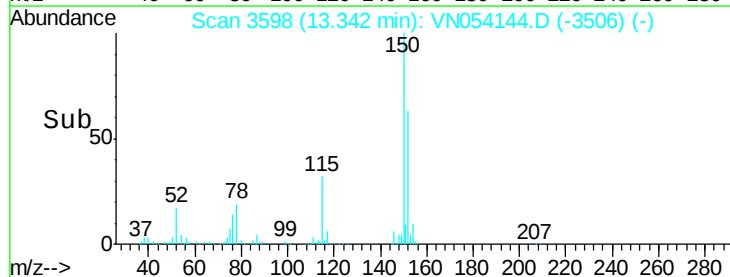
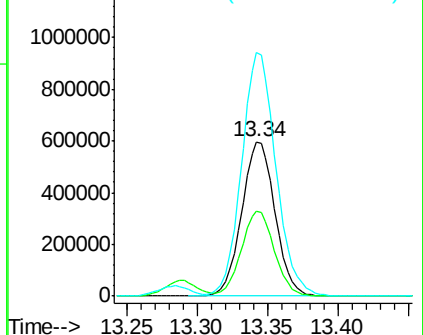
150 162.3 0.0 343.2

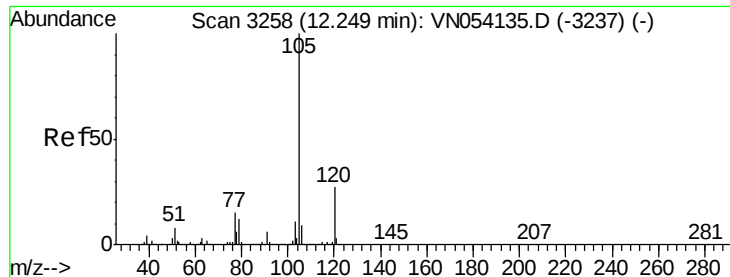


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.775 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

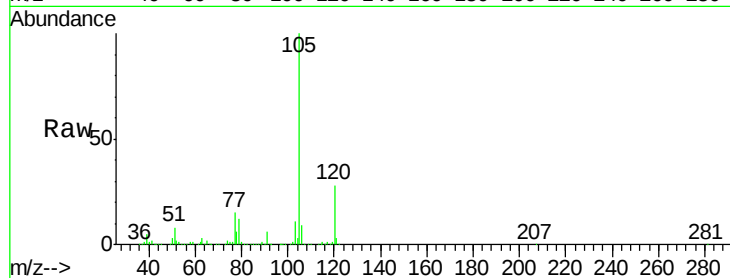
VN0311WBSD01

Tot Ion:105 Resp: 1473612

Ion Ratio Lower Upper

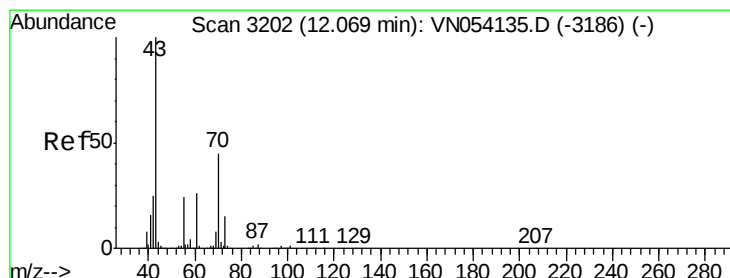
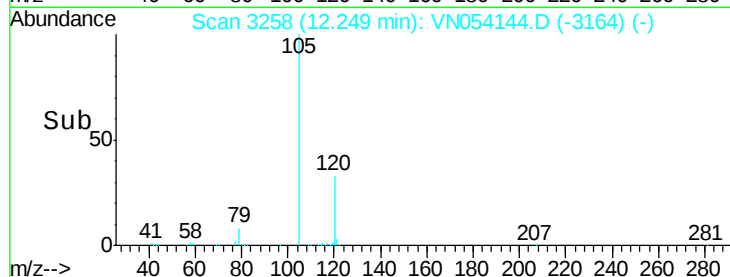
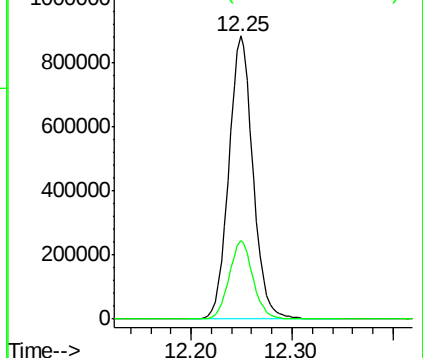
105 100

120 27.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.984 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Tgt Ion: 43 Resp: 321493

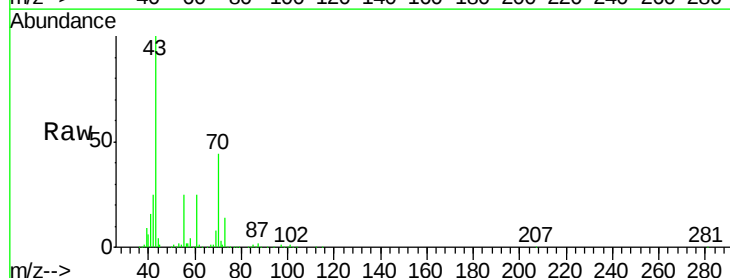
Ion Ratio Lower Upper

43 100

70 44.9 33.6 50.4

55 25.0 20.6 31.0

61 25.0 19.4 29.2

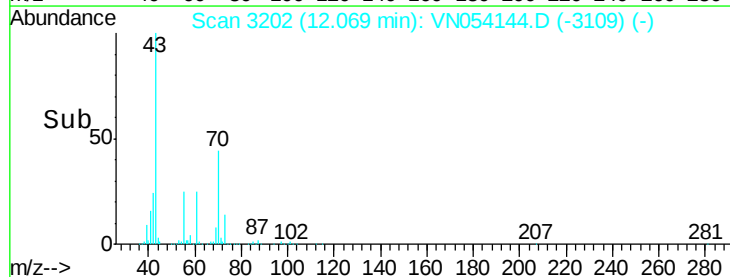
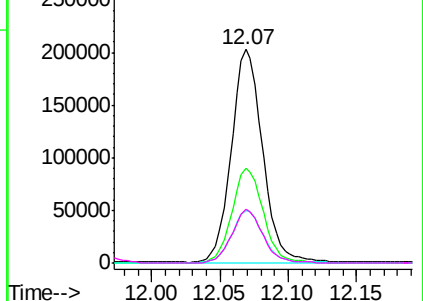


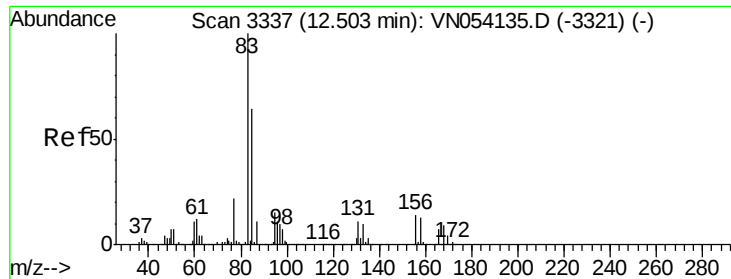
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.739 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

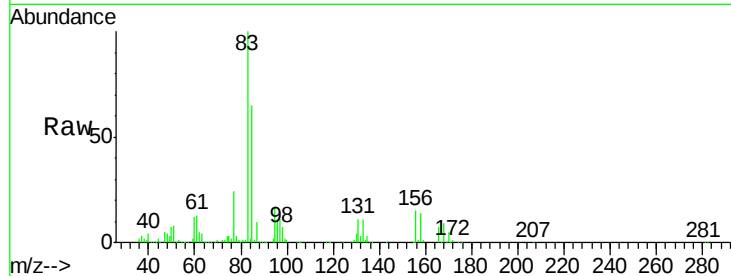
Tot Ion: 83 Resp: 318278

Ion Ratio Lower Upper

83 100

131 11.7 5.0 14.9

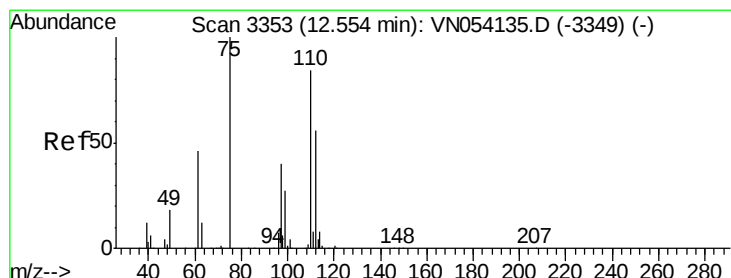
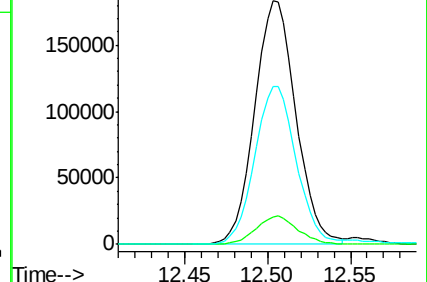
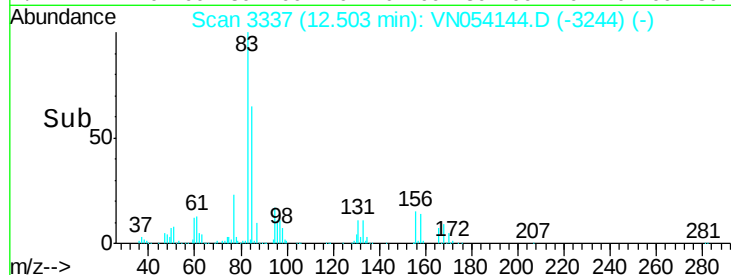
85 66.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.363 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054144.D

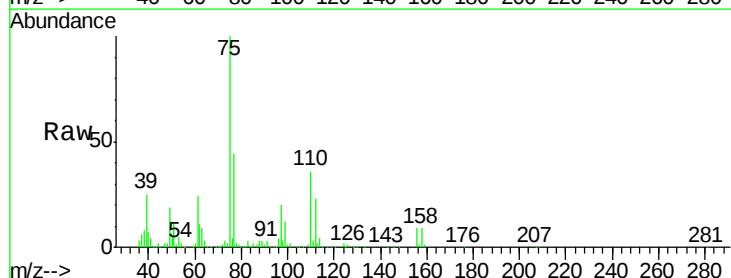
Acq: 11 Mar 2019 16:39

Tgt Ion: 75 Resp: 395240

Ion Ratio Lower Upper

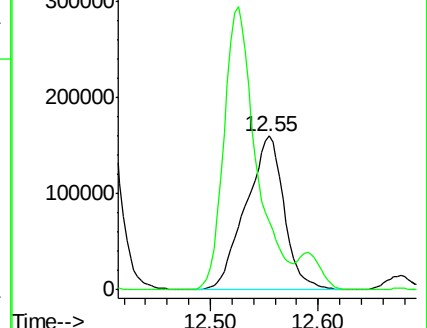
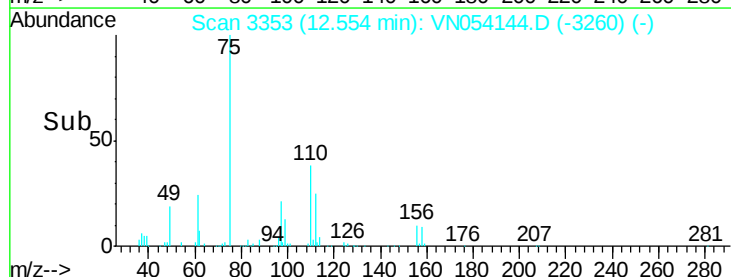
75 100

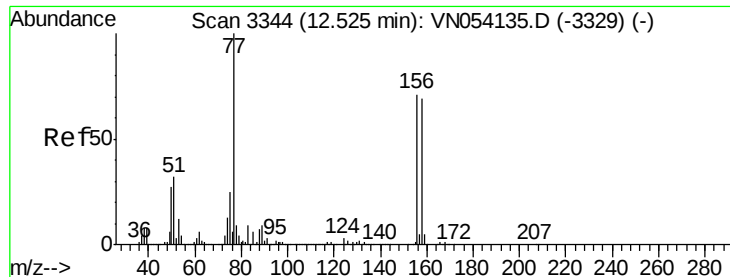
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.607 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

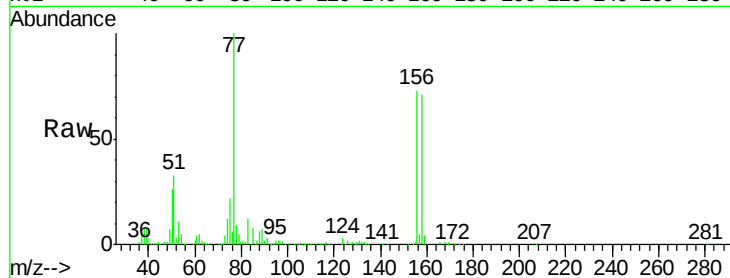
Tot Ion:156 Resp: 380121

Ion Ratio Lower Upper

156 100

77 161.7 93.6 280.8

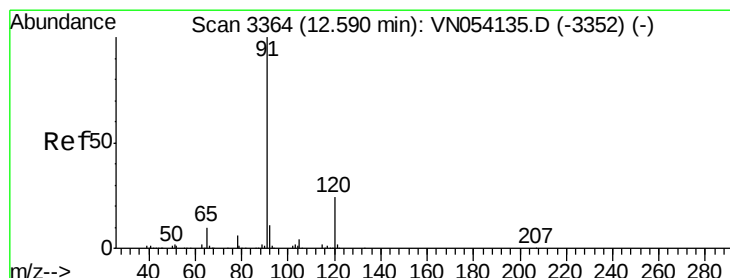
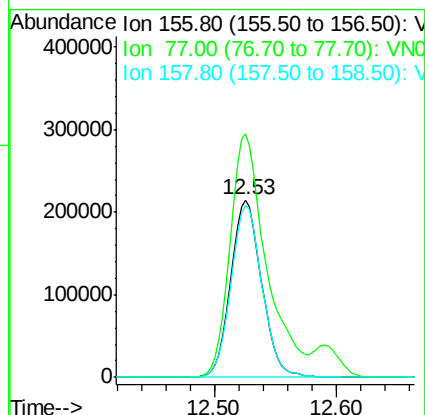
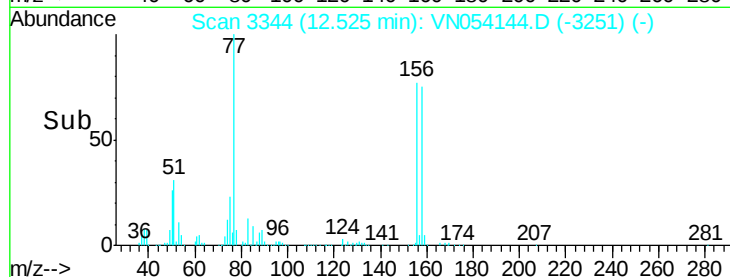
158 97.5 48.4 145.0



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: 18.923 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054144.D

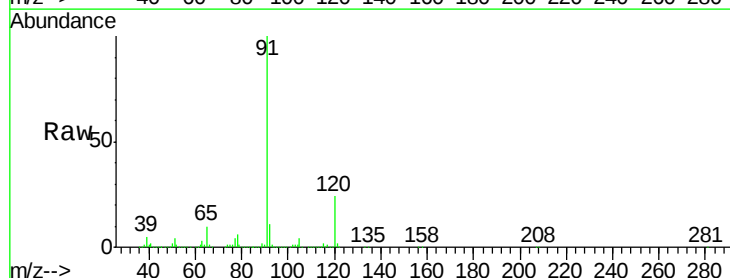
Acq: 11 Mar 2019 16:39

Tgt Ion: 91 Resp: 1589270

Ion Ratio Lower Upper

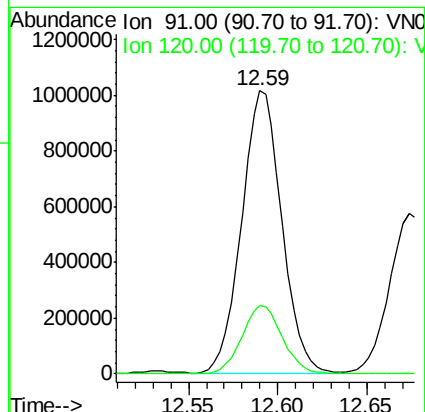
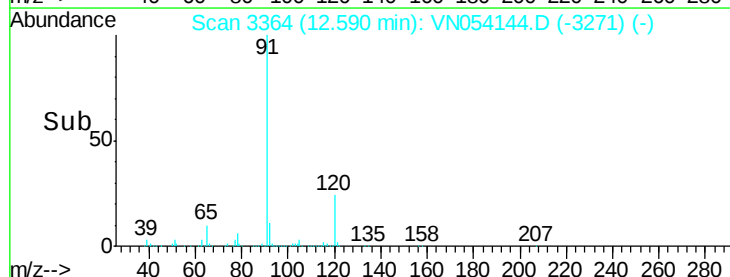
91 100

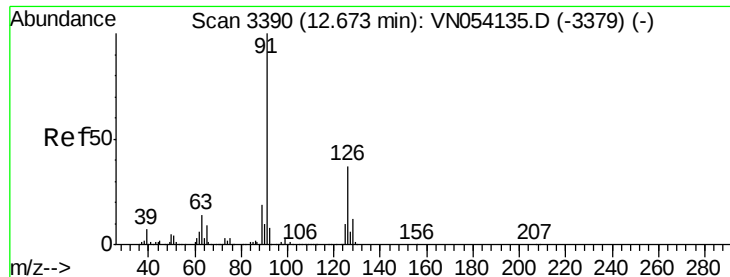
120 24.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

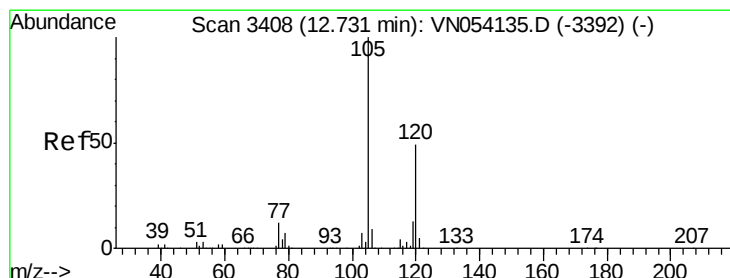
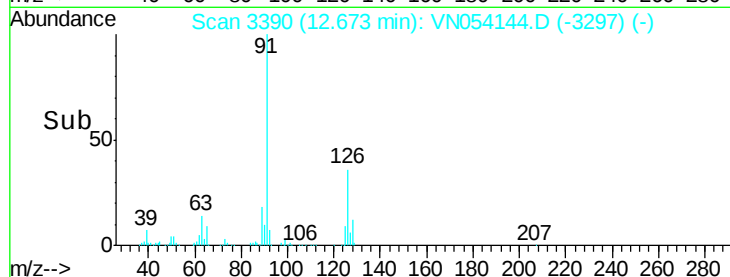
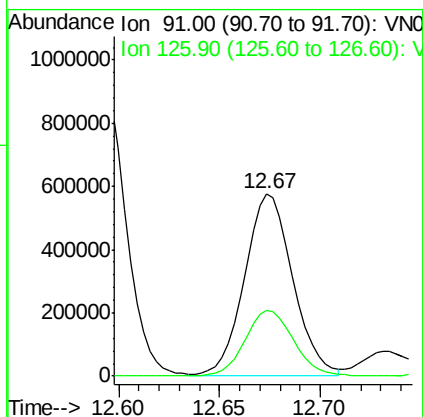
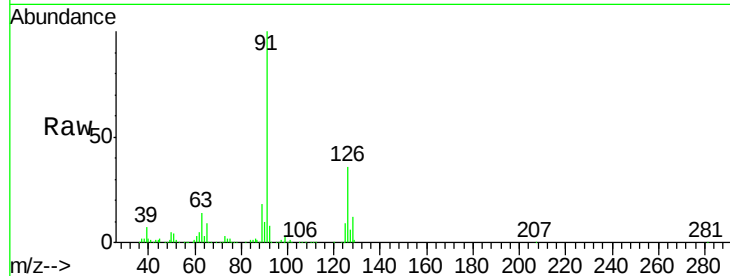




#79
 2-Chlorotoluene
 Concen: 18.598 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

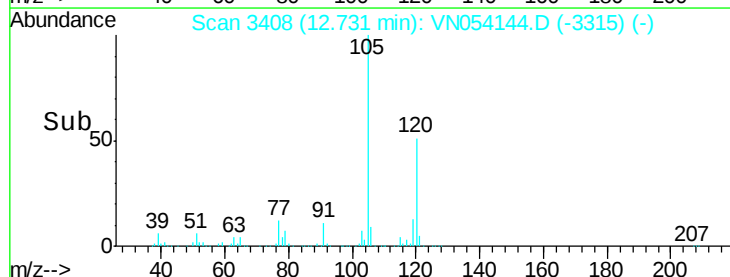
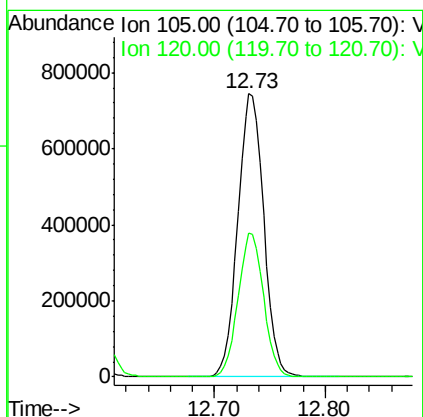
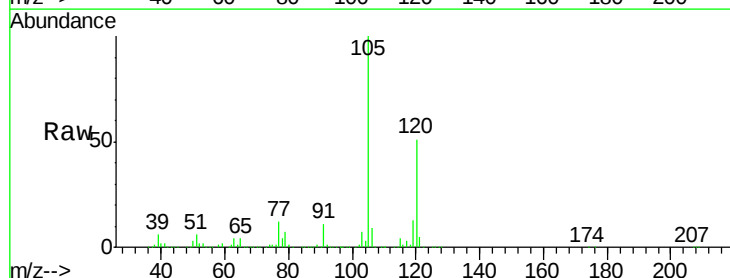
Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBSD01

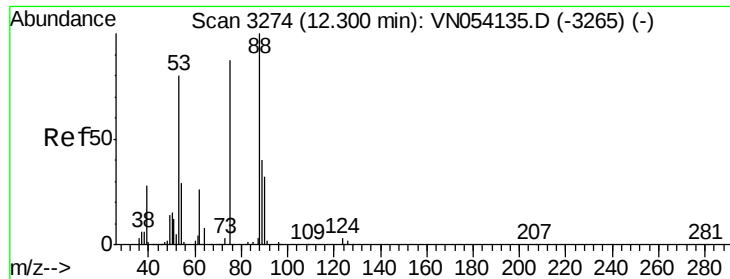
Tot Ion: 91 Resp: 956153
 Ion Ratio Lower Upper
 91 100
 126 36.8 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 18.614 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion: 105 Resp: 1211054
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.6 73.8

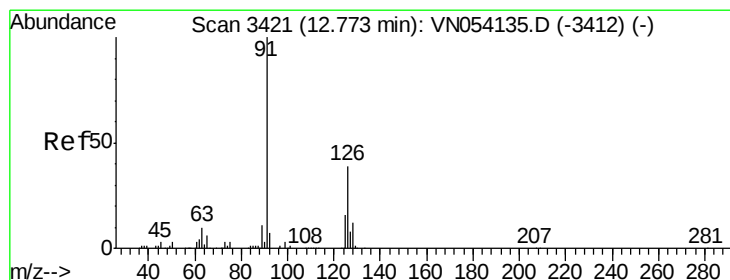
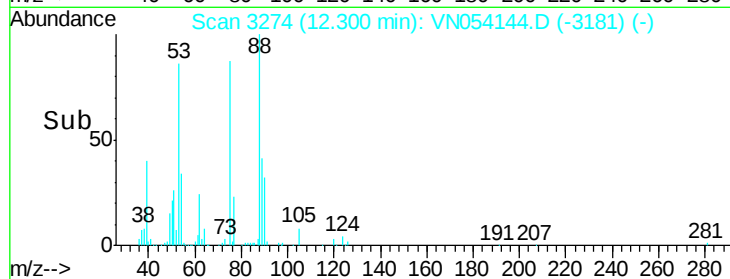
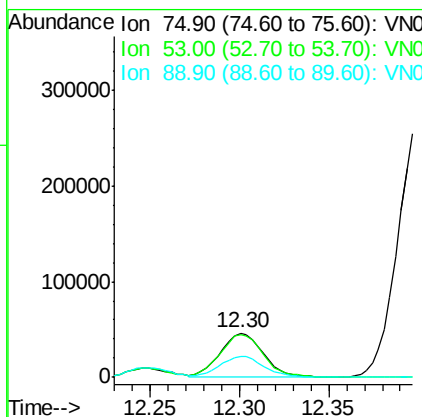
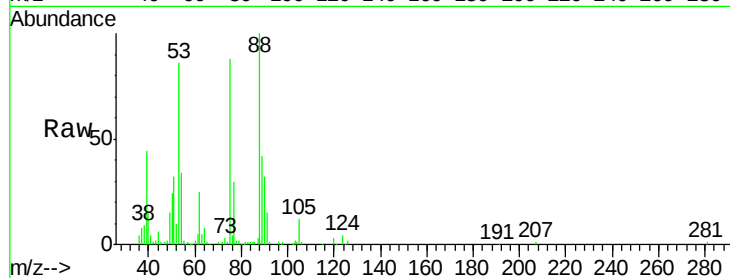




#81
trans-1,4-Dichloro-2-butene
Concen: 16.225 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

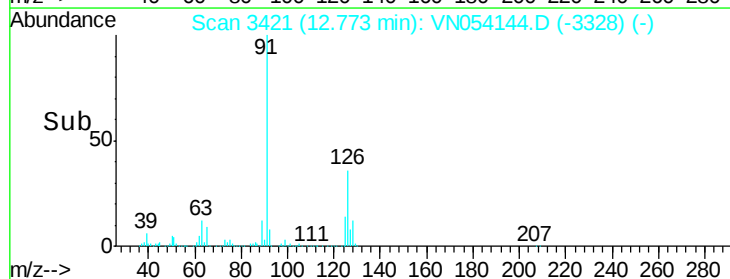
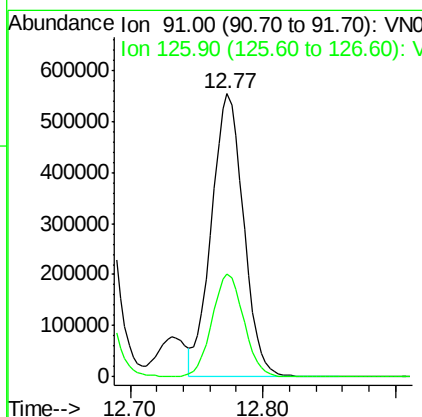
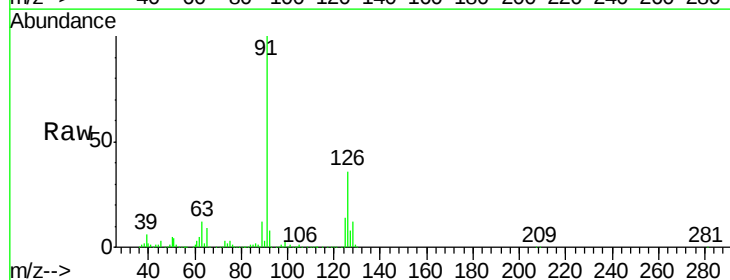
Instrument :
MSVOA_N
ClientSampled :
VN0311WBSD01

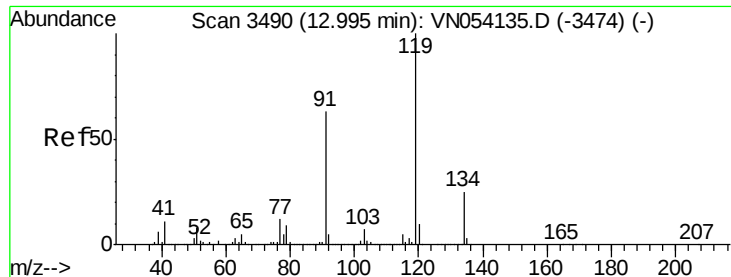
Tot Ion: 75 Resp: 75956
Ion Ratio Lower Upper
75 100
53 100.2 76.4 114.6
89 50.2 35.3 52.9



#82
4-Chlorotoluene
Concen: 18.567 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion: 91 Resp: 930633
Ion Ratio Lower Upper
91 100
126 36.2 17.1 51.3





#83

tert-Butylbenzene

Concen: 18.978 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

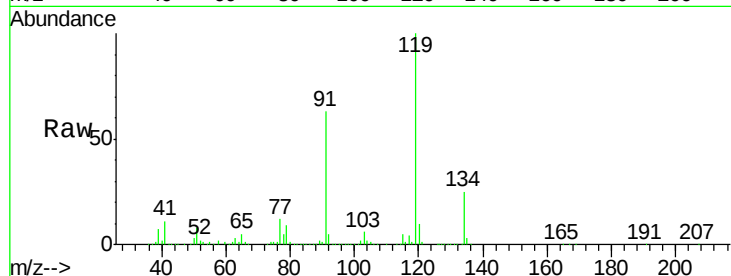
Tot Ion:119 Resp: 1140344

Ion Ratio Lower Upper

119 100

91 60.9 31.8 95.3

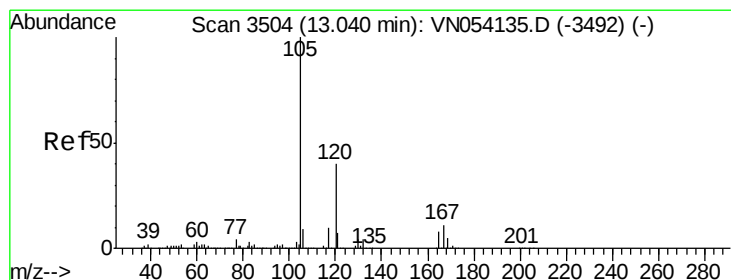
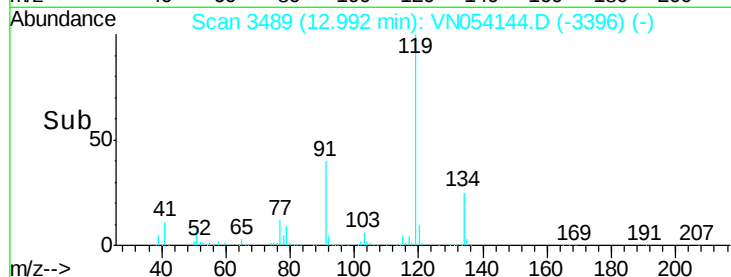
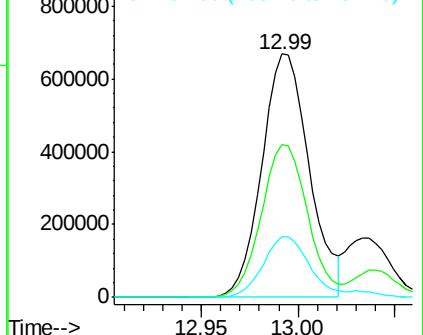
134 26.0 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.866 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054144.D

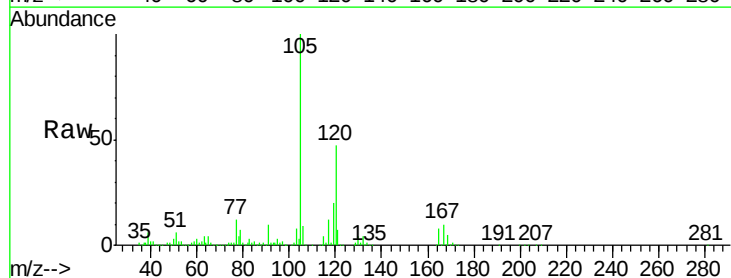
Acq: 11 Mar 2019 16:39

Tgt Ion:105 Resp: 1201902

Ion Ratio Lower Upper

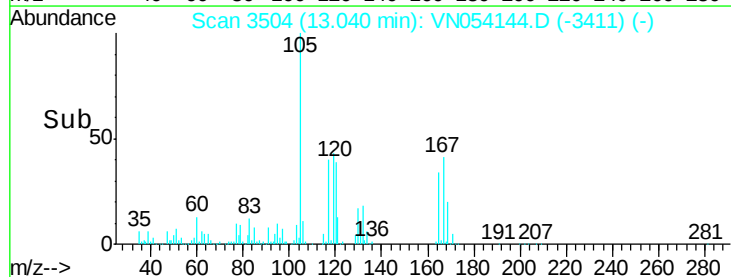
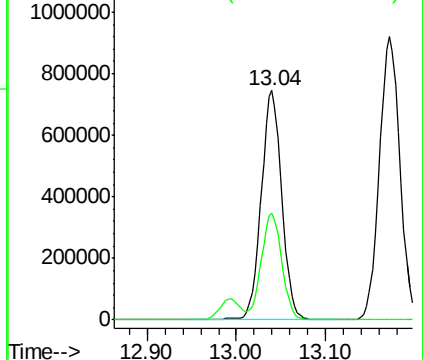
105 100

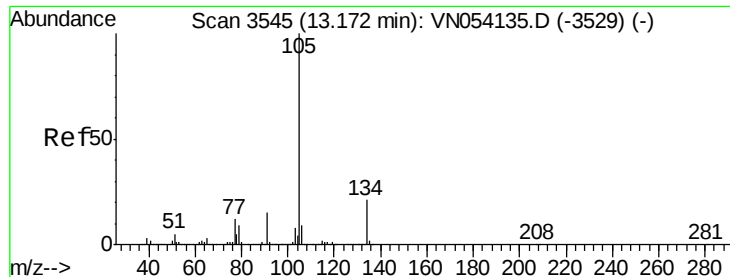
120 46.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.757 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

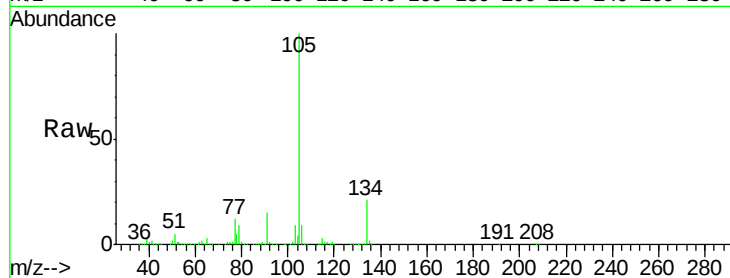
VN0311WBSD01

Tot Ion:105 Resp: 1460385

Ion Ratio Lower Upper

105 100

134 21.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1000000

800000

600000

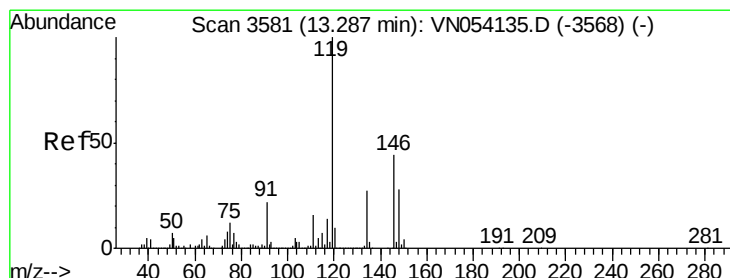
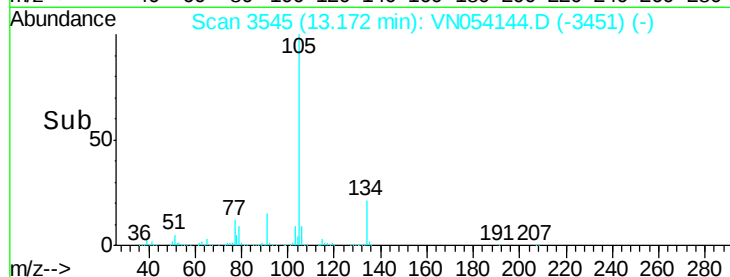
400000

200000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 18.659 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

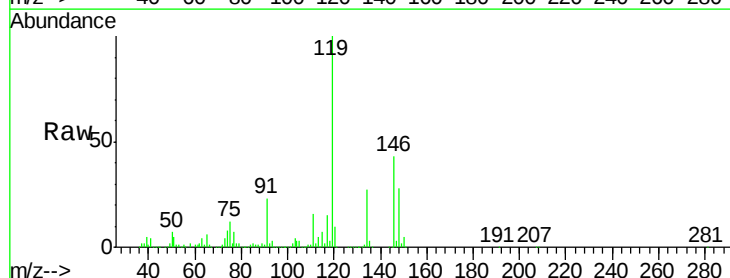
Tgt Ion:119 Resp: 1267683

Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.5

91 22.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

1000000

800000

600000

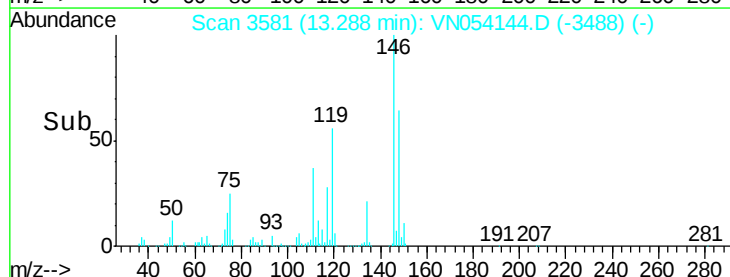
400000

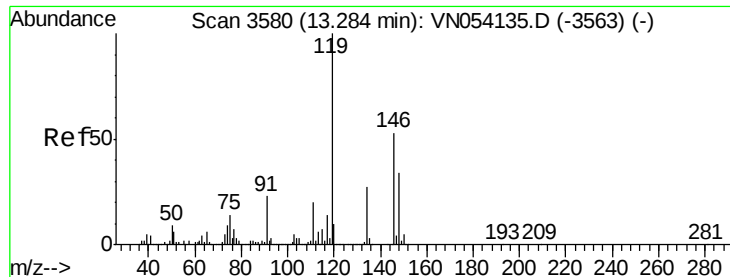
200000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 18.777 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

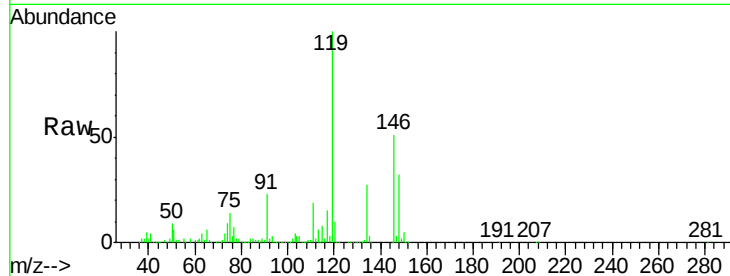
Tot Ion:146 Resp: 641012

Ion Ratio Lower Upper

146 100

111 37.3 19.3 57.8

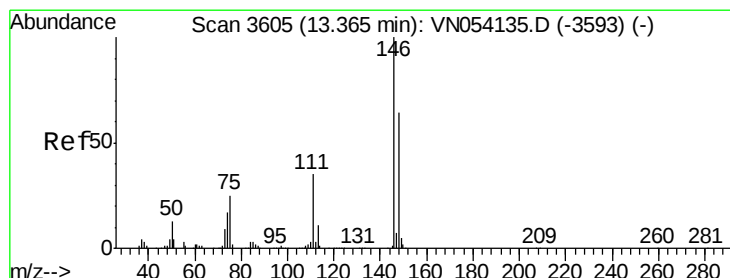
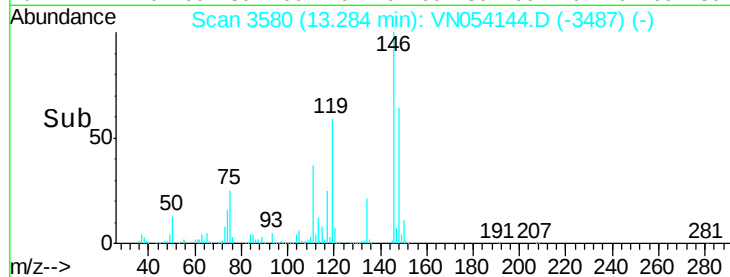
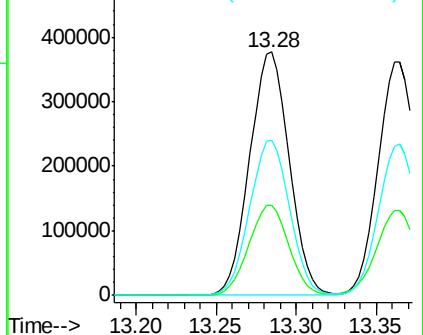
148 64.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.308 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

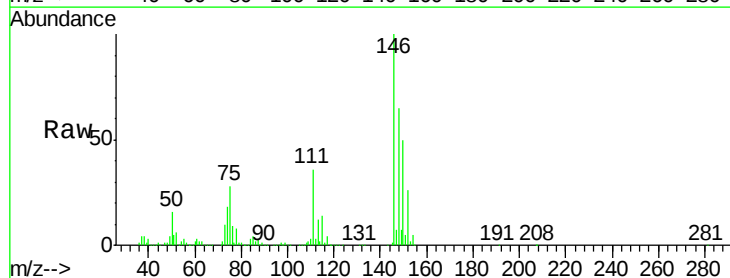
Tgt Ion:146 Resp: 617143

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.5

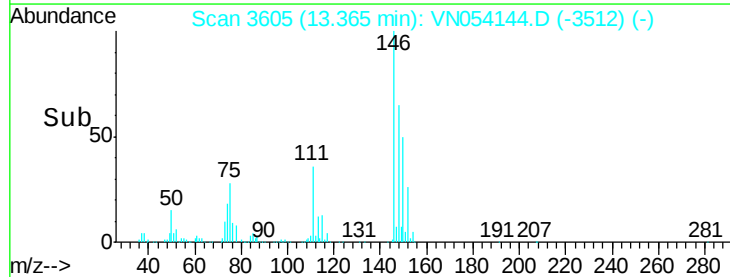
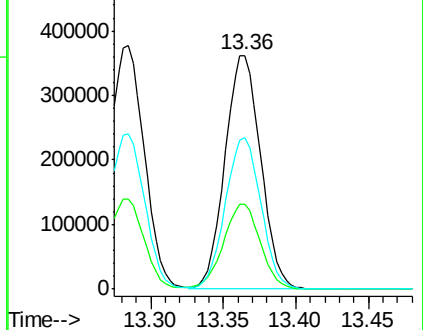
148 64.6 32.1 96.5

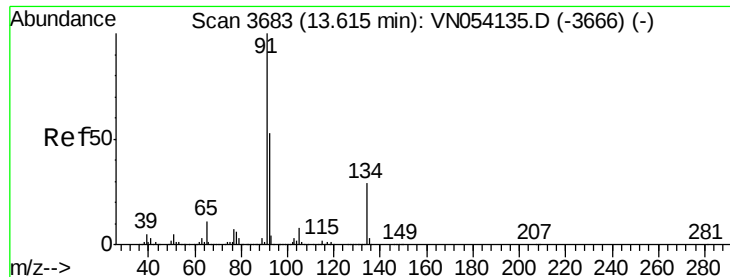


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

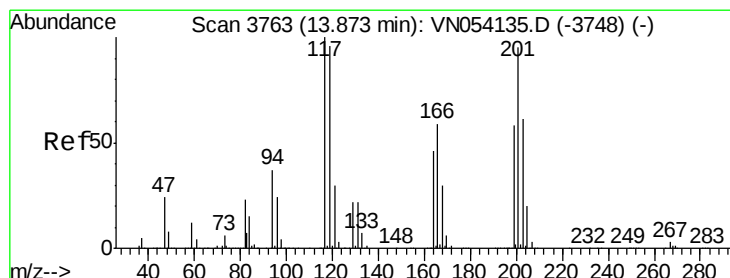
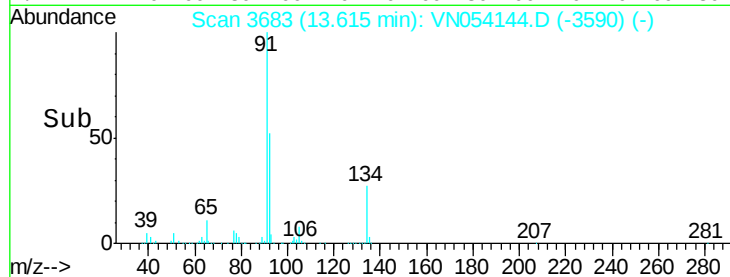
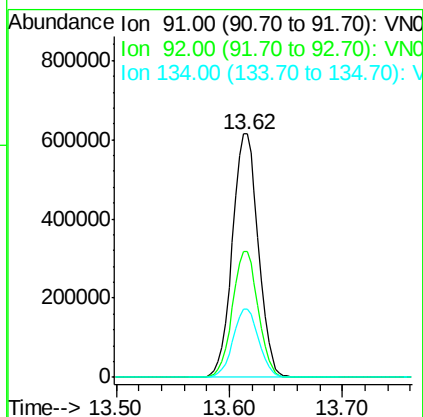
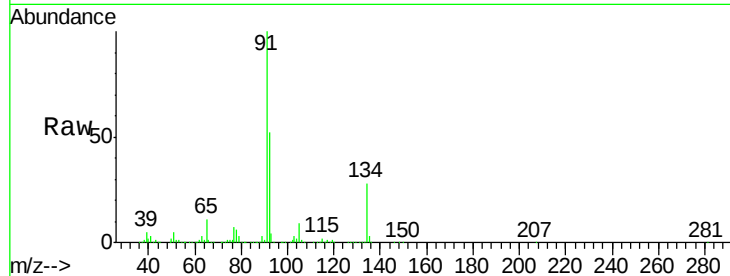




#89
n-Butylbenzene
Concen: 18.806 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

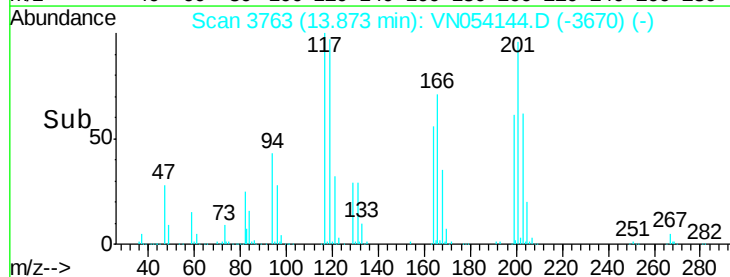
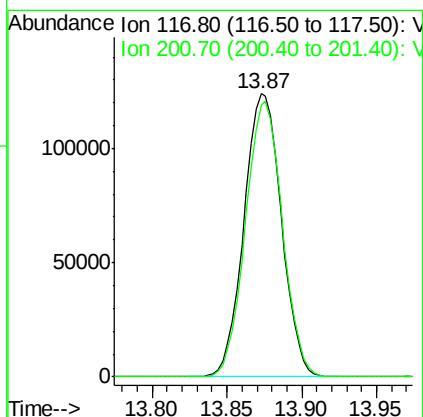
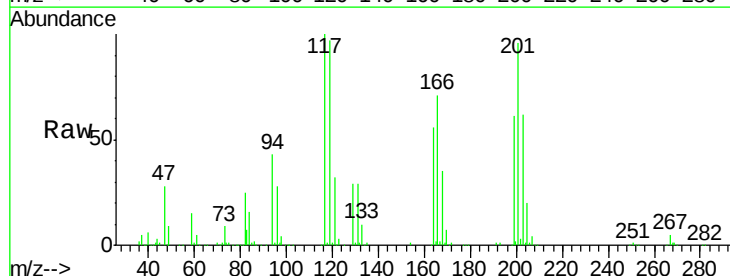
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

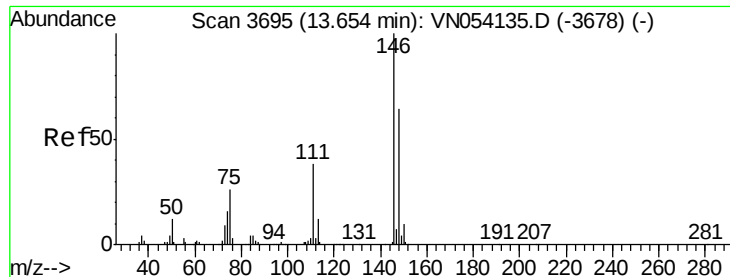
Tot Ion: 91 Resp: 979897
Ion Ratio Lower Upper
91 100
92 51.3 26.0 78.0
134 27.9 13.1 39.1



#90
Hexachloroethane
Concen: 17.764 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054144.D
Acq: 11 Mar 2019 16:39

Tgt Ion: 117 Resp: 215506
Ion Ratio Lower Upper
117 100
201 96.1 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 18.928 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

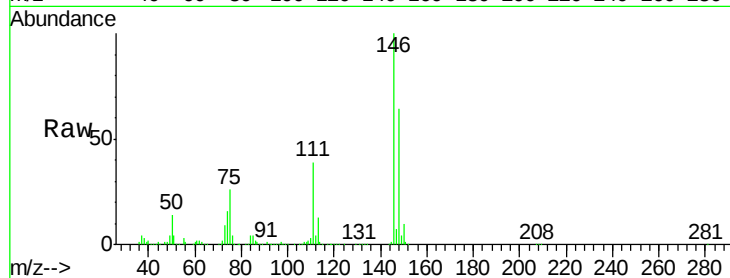
Tot Ion:146 Resp: 634451

Ion Ratio Lower Upper

146 100

111 38.7 20.0 60.0

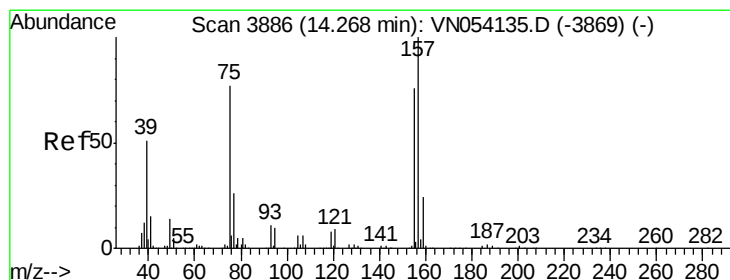
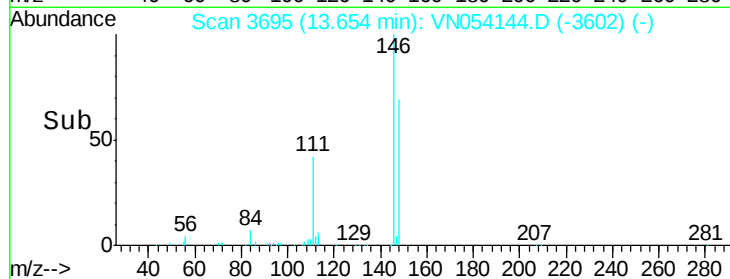
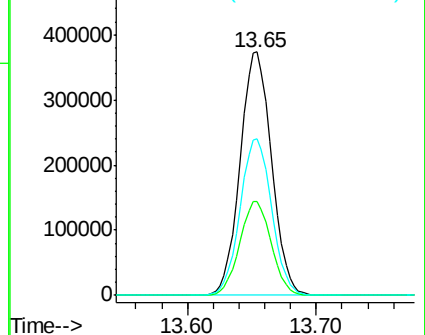
148 64.7 32.3 96.9



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: 17.148 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

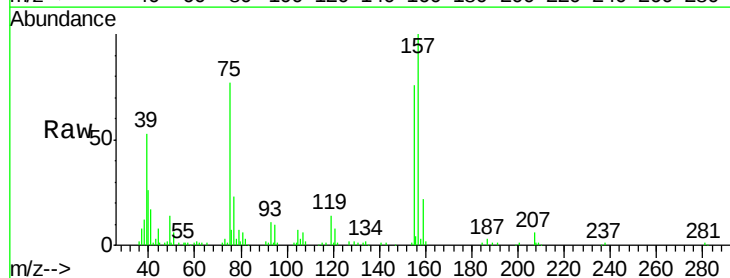
Tgt Ion: 75 Resp: 50148

Ion Ratio Lower Upper

75 100

155 97.7 44.5 133.5

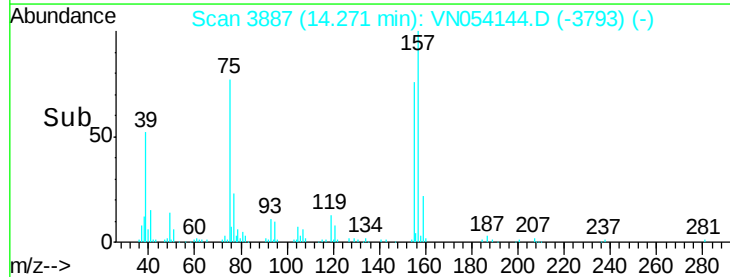
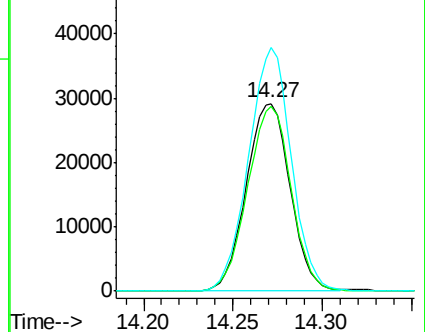
157 126.2 57.2 171.6

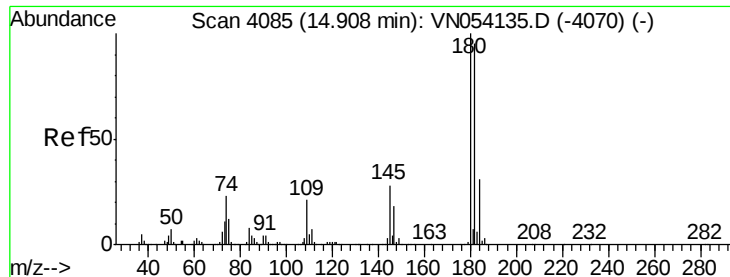


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

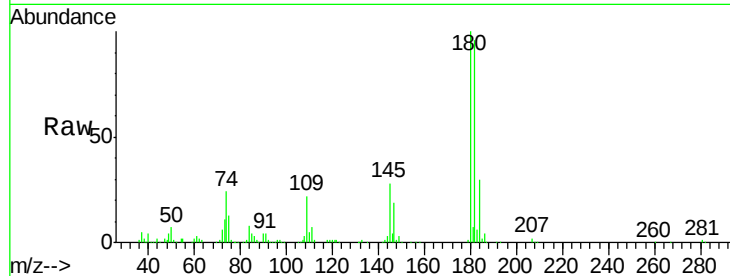




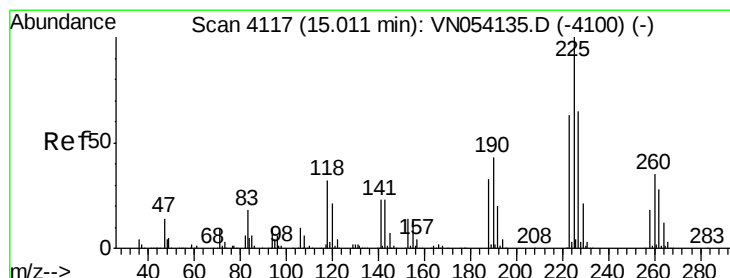
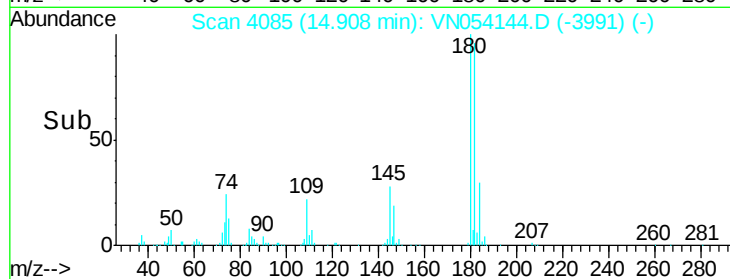
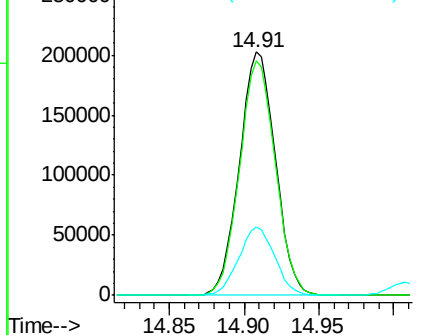
#93
 1,2,4-Trichlorobenzene
 Concen: 19.505 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tot Ion:180 Resp: 339114
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.1 144.3
 145 28.2 13.9 41.7

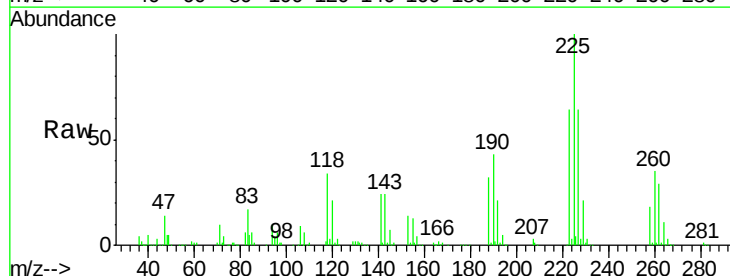


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

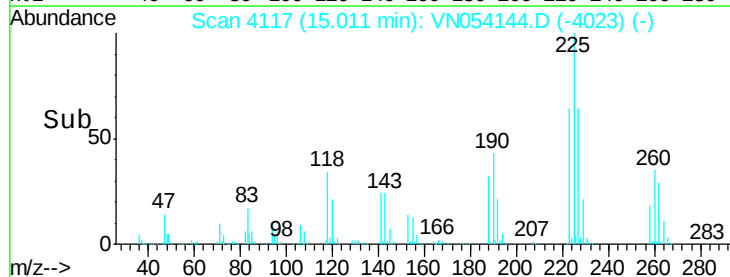
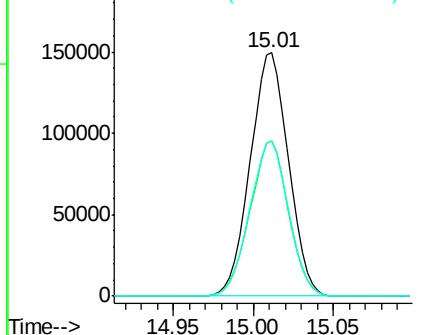


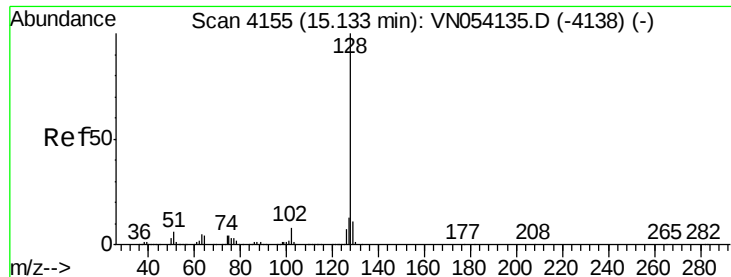
#94
 Hexachlorobutadiene
 Concen: 18.435 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054144.D
 Acq: 11 Mar 2019 16:39

Tgt Ion:225 Resp: 244386
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.2 93.6
 227 64.6 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.090 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Instrument :

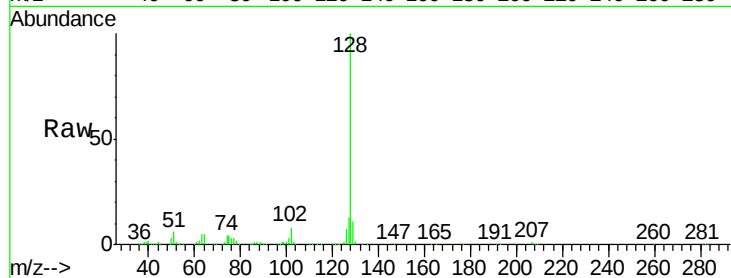
MSVOA_N

ClientSampleId :

VN0311WBSD01

Tot Ion:128 Resp: 704207

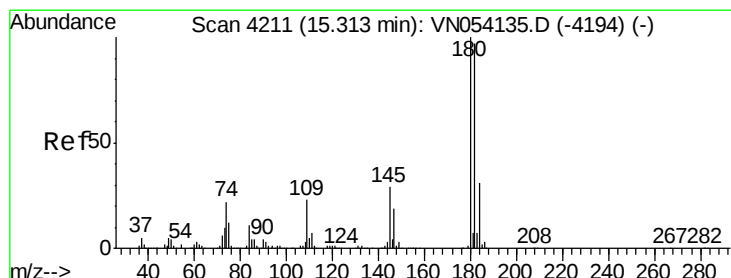
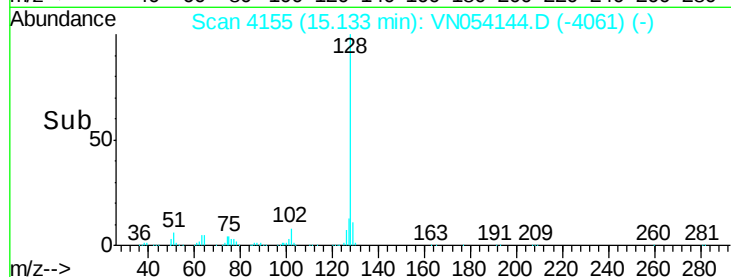
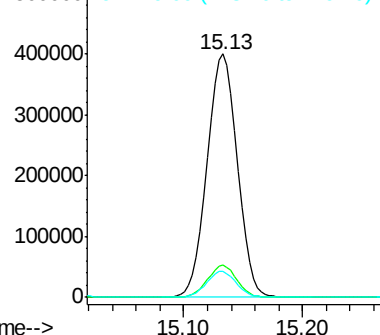
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.6	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.151 ug/l

RT: 15.31 min Scan# 4211

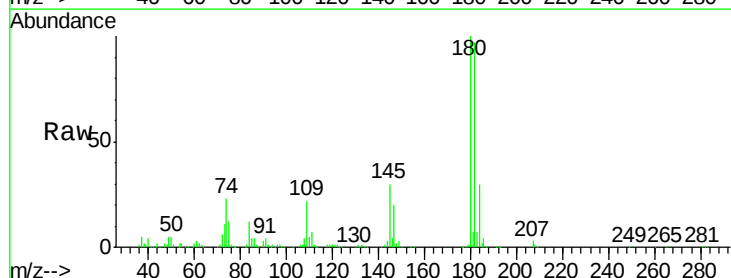
Delta R.T. 0.00 min

Lab File: VN054144.D

Acq: 11 Mar 2019 16:39

Tgt Ion:180 Resp: 354996

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	30.3	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

