

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056055.D
 Acq On : 6 Jun 2019 19:07
 Operator : JC/SP
 Sample : K3203-13MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Quant Time: Jun 07 05:28:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	442738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	401025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	155989	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
35) Dibromofluoromethane	7.59	113	140365	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	10.09	98	534179	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	180886	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159654	50.089	ug/l	99
3) Chloromethane	2.06	50	166082	52.808	ug/l	99
4) Vinyl Chloride	2.18	62	177059	56.125	ug/l	100
5) Bromomethane	2.54	94	94734	47.538	ug/l	99
6) Chloroethane	2.68	64	97150	53.113	ug/l	100
7) Trichlorofluoromethane	3.00	101	207116	51.427	ug/l	99
8) Diethyl Ether	3.40	74	85499	51.624	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	127185	51.988	ug/l	99
10) Methyl Iodide	3.94	142	183788	47.273	ug/l	99
11) Tert butyl alcohol	4.82	59	122620	244.599	ug/l	98
12) 1,1-Dichloroethene	3.72	96	128309	52.681	ug/l	96
13) Acrolein	3.60	56	33656	232.782	ug/l	94
14) Allyl chloride	4.31	41	189426	49.254	ug/l	98
15) Acrylonitrile	4.99	53	360945	295.776	ug/l	100
16) Acetone	3.82	43	281399	204.243	ug/l	99
17) Carbon Disulfide	4.04	76	282186	48.389	ug/l	100
18) Methyl Acetate	4.33	43	158434	58.642	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	419533	54.039	ug/l	99
20) Methylene Chloride	4.54	84	148098	52.174	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	137906	52.845	ug/l	98
22) Diisopropyl ether	5.96	45	428195	53.860	ug/l	97
23) Vinyl Acetate	5.90	43	1780605	284.409	ug/l	100
24) 1,1-Dichloroethane	5.84	63	245538	53.542	ug/l	99
25) 2-Butanone	6.84	43	470211	270.118	ug/l	98
26) 2,2-Dichloropropane	6.82	77	140269	39.198	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	166573	54.302	ug/l	95
28) Bromochloromethane	7.19	49	120537	55.581	ug/l	99
29) Tetrahydrofuran	7.22	42	318176	295.693	ug/l	99
30) Chloroform	7.37	83	247628	53.677	ug/l	100
31) Cyclohexane	7.65	56	226151	49.474	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	202493	52.563	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182096	47.833	ug/l	99
37) Ethyl Acetate	6.93	43	192908	56.951	ug/l	99
38) Carbon Tetrachloride	7.77	117	168101	47.895	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	223768	47.185	ug/l	99
40) Benzene	8.04	78	621462	53.748	ug/l	100
41) Methacrylonitrile	7.17	41	88323	56.673	ug/l	96
42) 1,2-Dichloroethane	8.12	62	185068	49.759	ug/l	100
43) Isopropyl Acetate	8.17	43	293978	53.558	ug/l #	91
44) Trichloroethene	8.83	130	162380	48.873	ug/l	99
45) 1,2-Dichloropropane	9.12	63	151959	51.309	ug/l	98
46) Dibromomethane	9.21	93	99027	51.132	ug/l	99
47) Bromodichloromethane	9.40	83	179707	51.197	ug/l	99
48) Methyl methacrylate	9.20	41	145694	54.255	ug/l	97
49) 1,4-Dioxane	9.20	88	60105	1036.771	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	942159	274.482	ug/l	99
52) Toluene	10.16	92	365081	50.742	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	180093	44.061	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	214201	50.768	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	147149	51.631	ug/l	99
56) Ethyl methacrylate	10.43	69	222813	53.588	ug/l	99
57) 1,3-Dichloropropane	10.71	76	243178	52.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	389621	237.157	ug/l	99
59) 2-Hexanone	10.75	43	650616	261.523	ug/l	99
60) Dibromochloromethane	10.90	129	146173	46.675	ug/l	100
61) 1,2-Dibromoethane	11.00	107	153657	52.738	ug/l	97
64) Tetrachloroethene	10.63	164	160078	46.114	ug/l	99
65) Chlorobenzene	11.43	112	787186	98.630	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	139136	50.488	ug/l	99
67) Ethyl Benzene	11.51	91	677023	48.784	ug/l	99
68) m/p-Xylenes	11.62	106	516386	97.403	ug/l	99
69) o-Xylene	11.95	106	254124	48.730	ug/l	99
70) Styrene	11.96	104	425351	51.335	ug/l	99
71) Bromoform	12.13	173	102955	44.800	ug/l #	99
73) Isopropylbenzene	12.25	105	664548	52.133	ug/l	100
74) N-amyl acetate	12.07	43	242120	50.690	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208216	50.055	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	235810	71.520	ug/l #	100
77) Bromobenzene	12.53	156	182435	47.554	ug/l	95
78) n-propylbenzene	12.59	91	707626	46.680	ug/l	100
79) 2-Chlorotoluene	12.67	91	436515	52.008	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	548456	45.523	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45025	45.477	ug/l	89
82) 4-Chlorotoluene	12.77	91	423744	47.779	ug/l	100
83) tert-Butylbenzene	12.99	119	481415	51.587	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	546747	47.856	ug/l	99
85) sec-Butylbenzene	13.17	105	622983	46.405	ug/l	100
86) p-Isopropyltoluene	13.29	119	558151	46.456	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288254	48.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	298318	52.229	ug/l	100
89) n-Butylbenzene	13.61	91	416798	46.830	ug/l	99
90) Hexachloroethane	13.87	117	84370	46.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	312698	52.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32369	54.405	ug/l	97

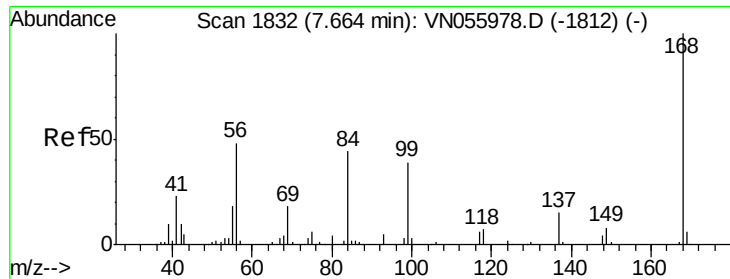
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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139123	42.788	ug/l	98
94) Hexachlorobutadiene	15.01	225	100856	49.013	ug/l	99
95) Naphthalene	15.13	128	384820	45.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	151689	45.357	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

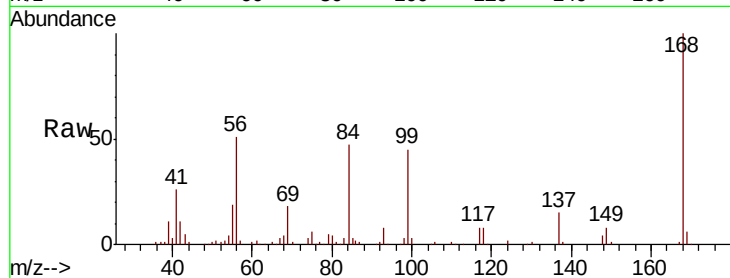
LF015RW050-190604MS

Tot Ion:168 Resp: 290129

Ion Ratio Lower Upper

168 100

99 44.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

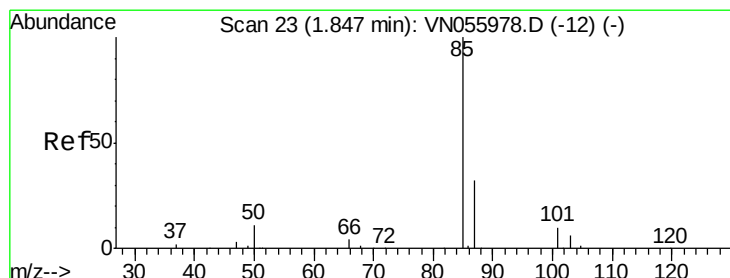
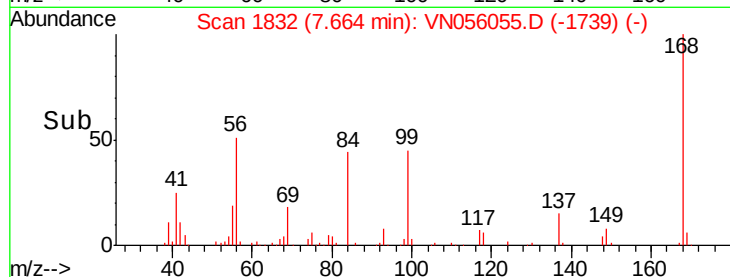
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.089 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056055.D

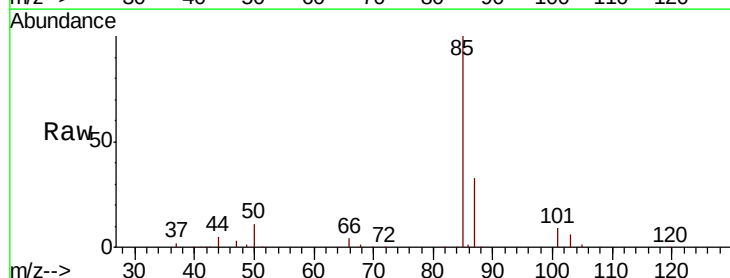
Acq: 6 Jun 2019 19:07

Tgt Ion: 85 Resp: 159654

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

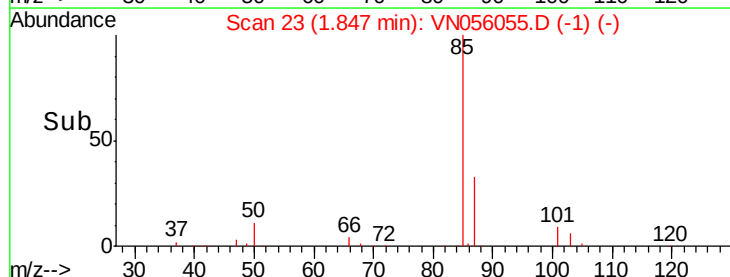
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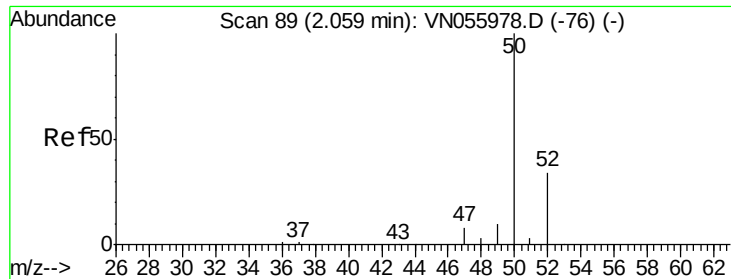
40000

20000

0

Time-->





#3

Chloromethane

Concen: 52.808 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

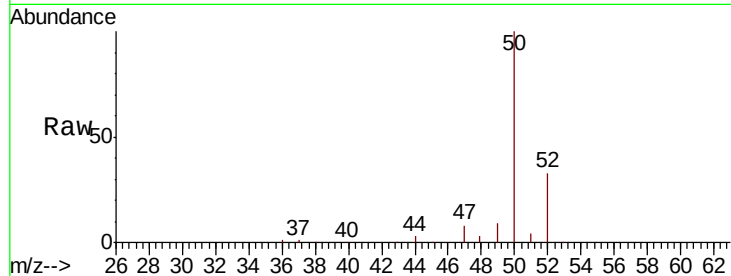
LF015RW050-190604MS

Tot Ion: 50 Resp: 166082

Ion Ratio Lower Upper

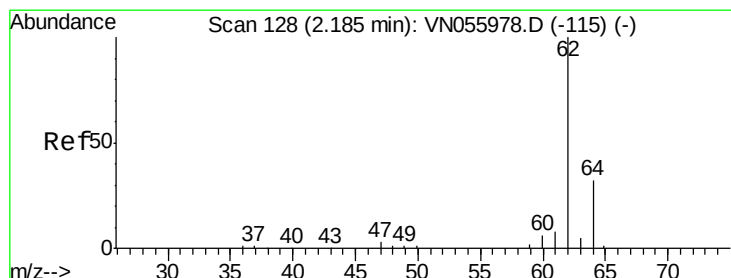
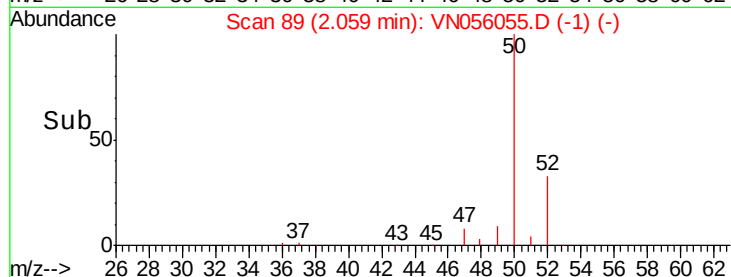
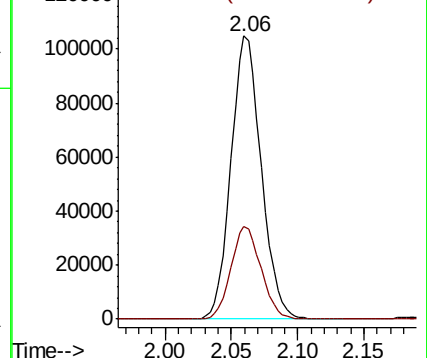
50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 56.125 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056055.D

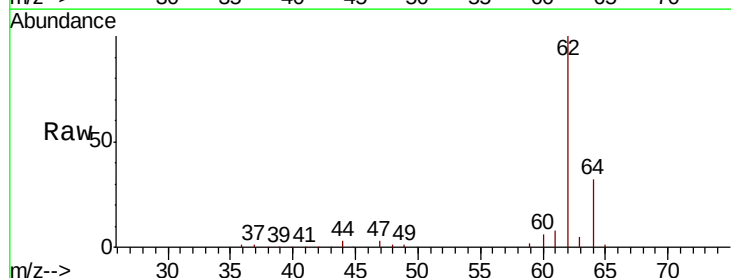
Acq: 6 Jun 2019 19:07

Tgt Ion: 62 Resp: 177059

Ion Ratio Lower Upper

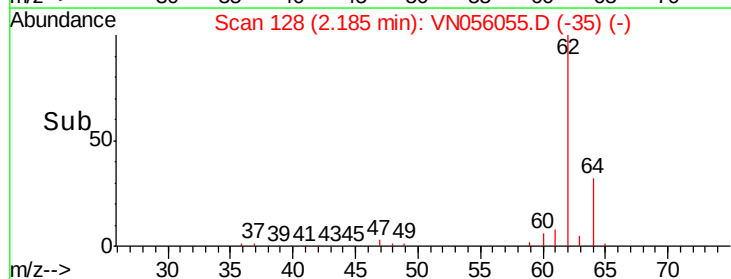
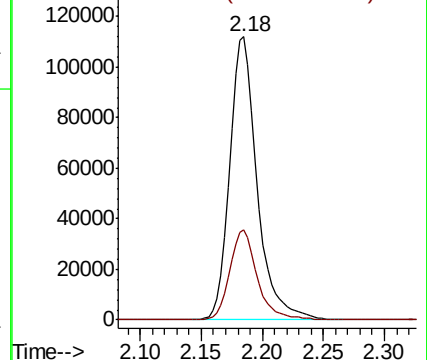
62 100

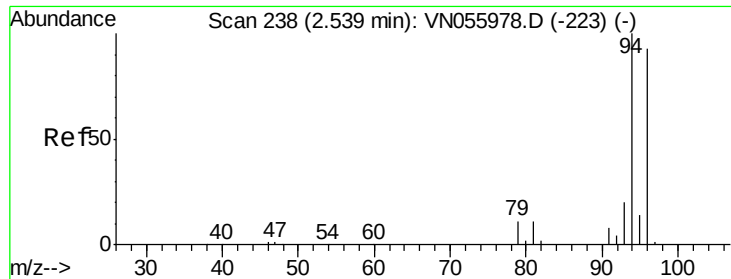
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

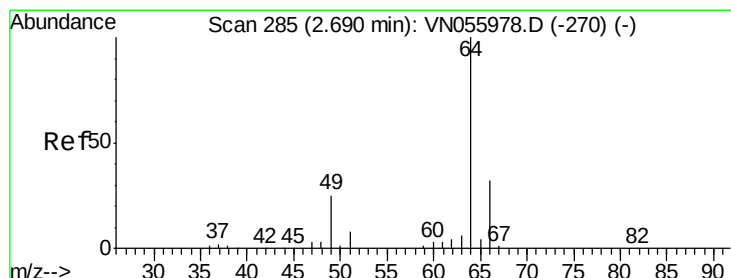
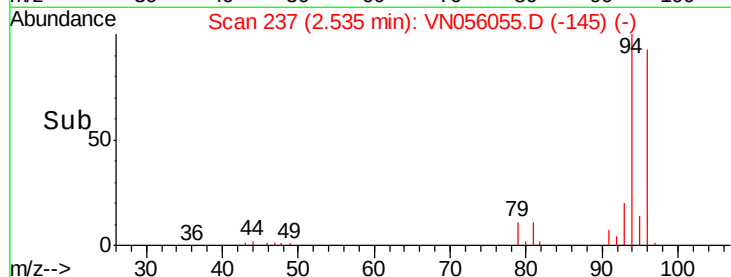
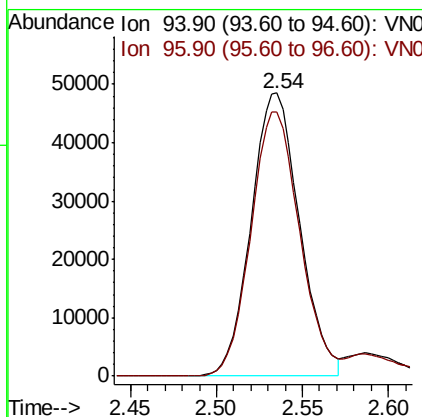
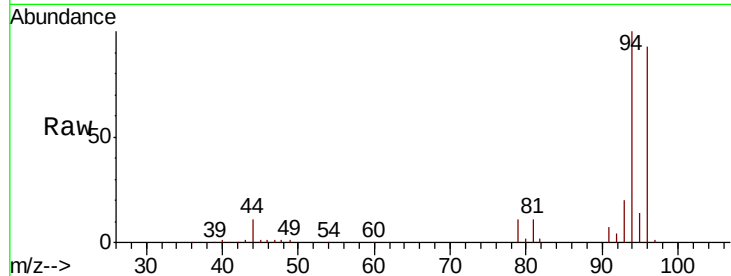




#5
Bromomethane
Concen: 47.538 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

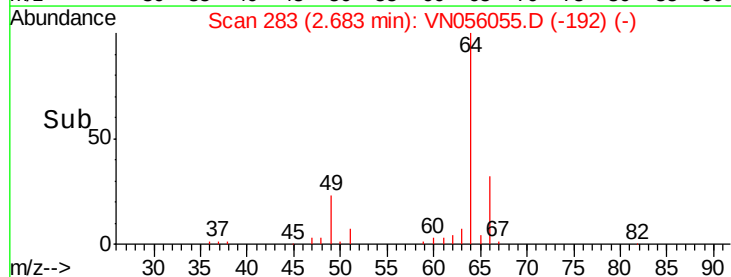
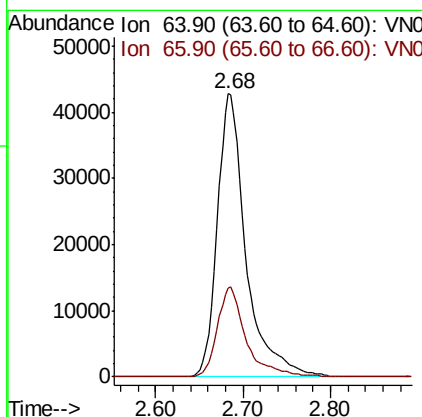
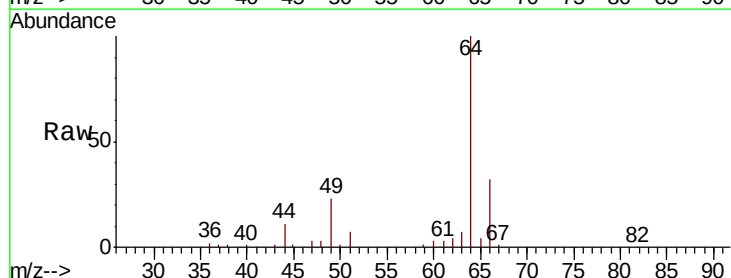
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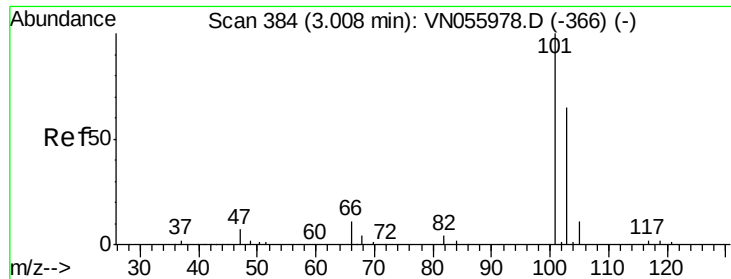
Tot Ion: 94 Resp: 94734
Ion Ratio Lower Upper
94 100
96 93.2 75.5 113.3



#6
Chloroethane
Concen: 53.113 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 64 Resp: 97150
Ion Ratio Lower Upper
64 100
66 31.6 25.4 38.0



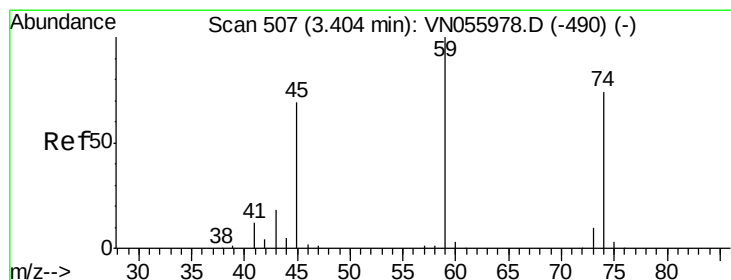
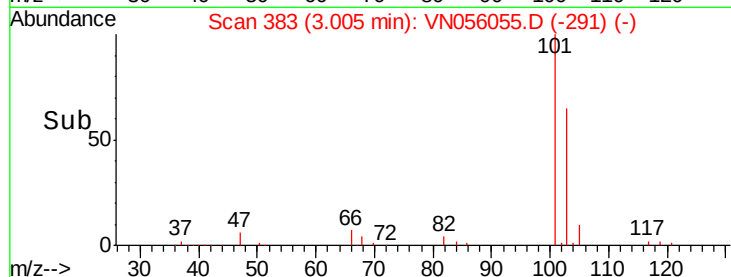
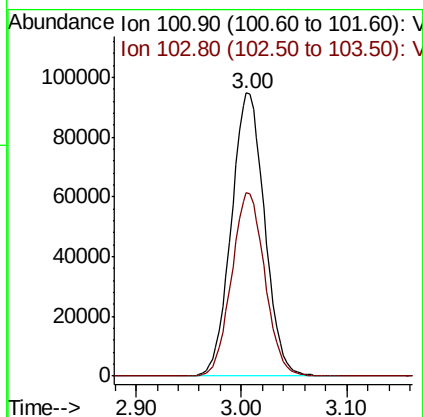
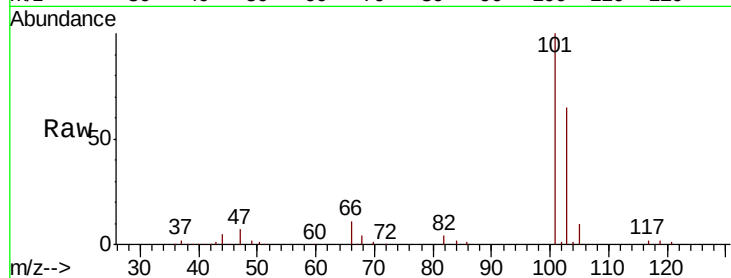


#7

Trichlorofluoromethane
Concen: 51.427 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
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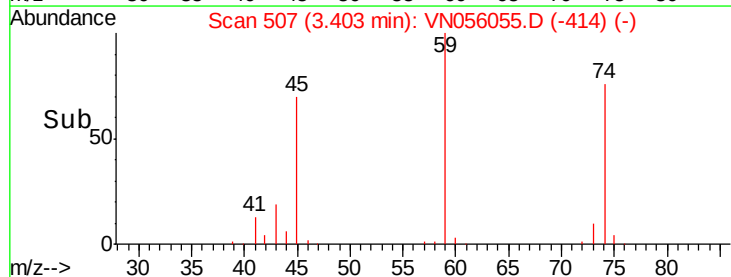
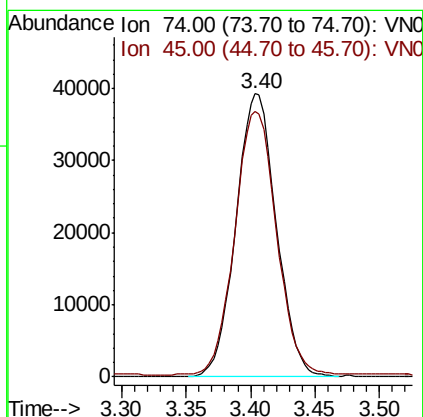
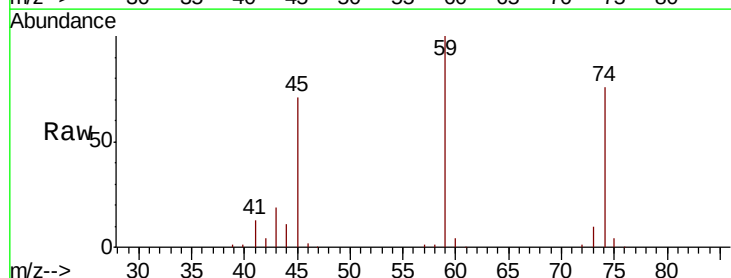
Tot Ion:101 Resp: 207116
Ion Ratio Lower Upper
101 100
103 64.9 51.2 76.8

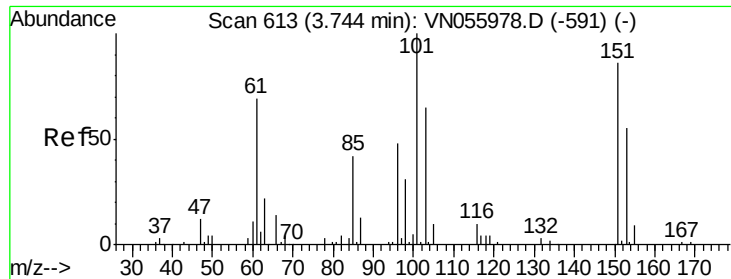


#8

Diethyl Ether
Concen: 51.624 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 74 Resp: 85499
Ion Ratio Lower Upper
74 100
45 95.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.988 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

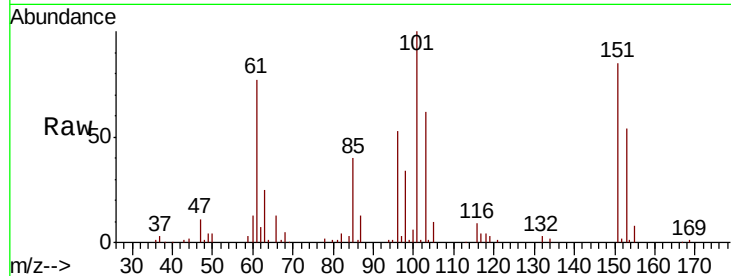
Tot Ion:101 Resp: 127185

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.2

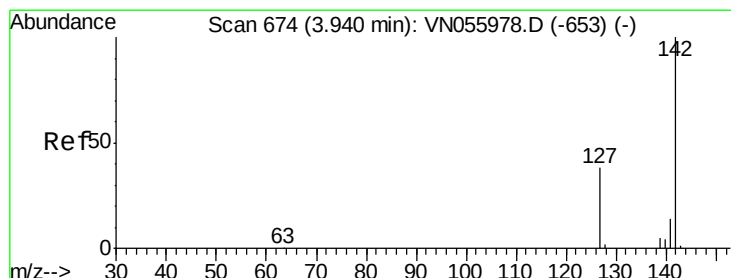
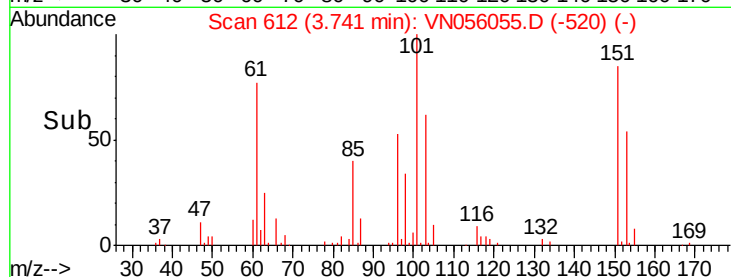
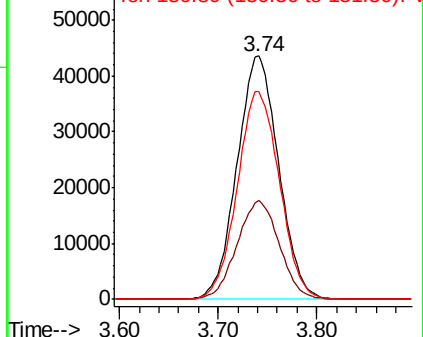
151 86.6 69.4 104.2



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: 47.273 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

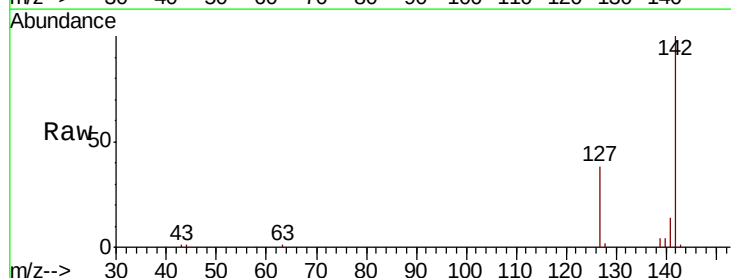
Tgt Ion:142 Resp: 183788

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

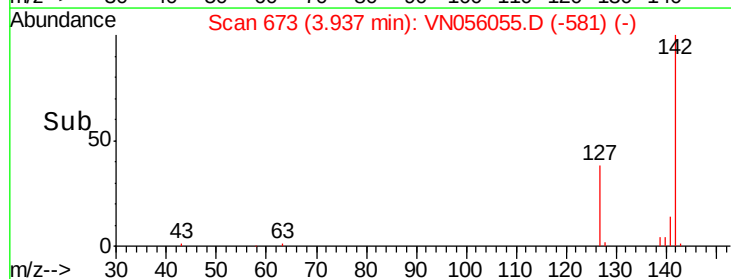
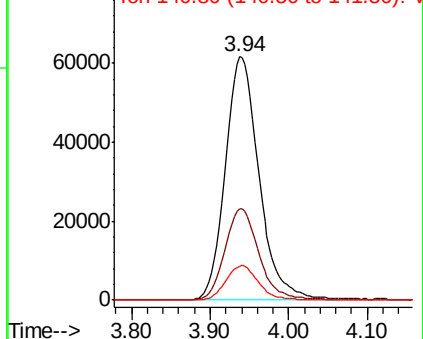
141 13.8 11.4 17.0

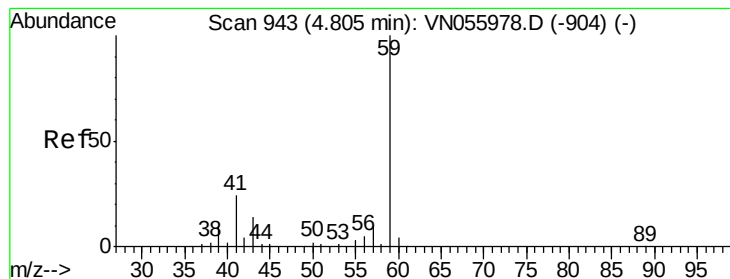


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



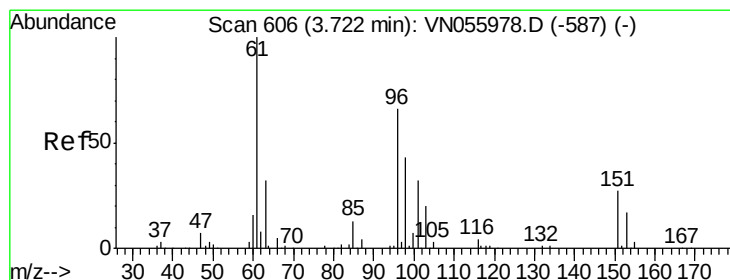
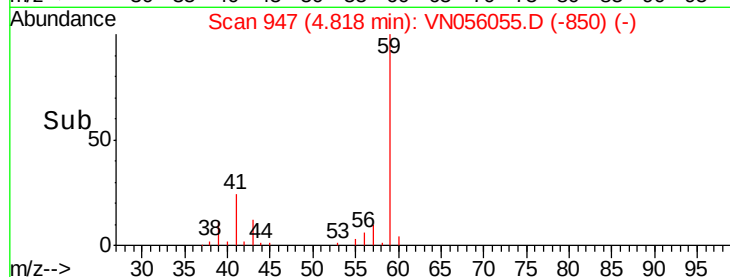
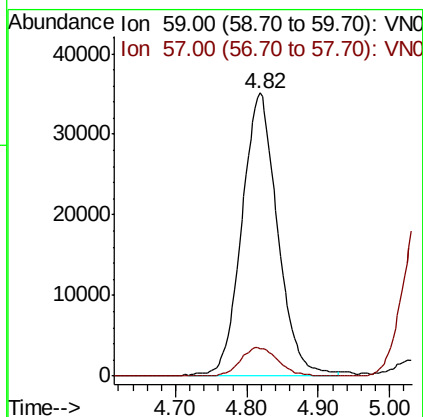
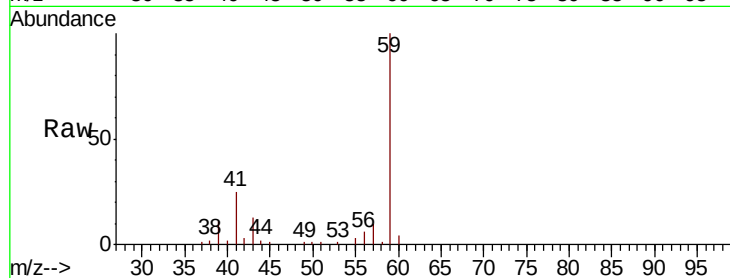


#11

Tert butyl alcohol
 Concen: 244.599 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

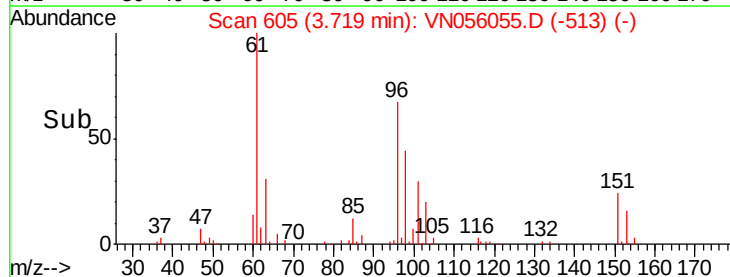
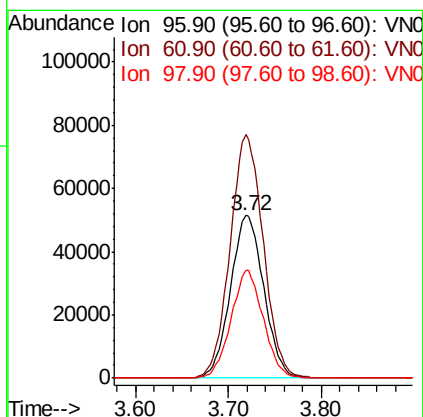
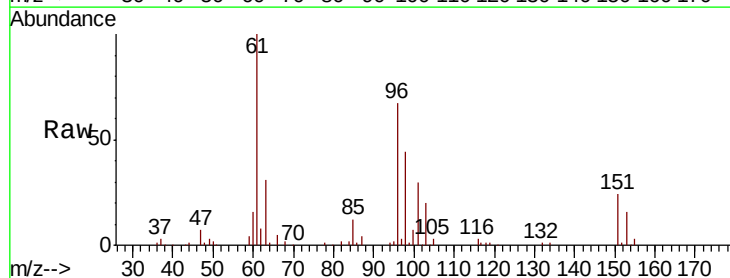
Tot Ion: 59 Resp: 122620
 Ion Ratio Lower Upper
 59 100
 57 10.5 7.8 11.6

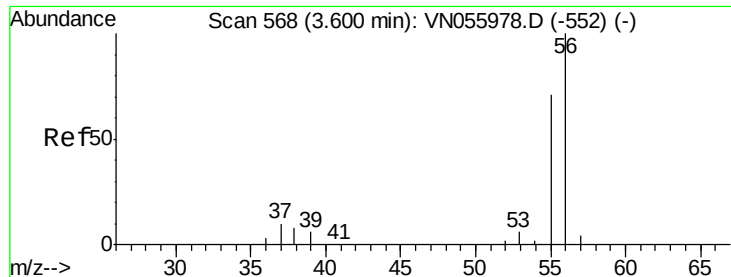


#12

1,1-Dichloroethene
 Concen: 52.681 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion: 96 Resp: 128309
 Ion Ratio Lower Upper
 96 100
 61 149.8 123.2 184.8
 98 66.6 50.4 75.6





#13

Acrolein

Concen: 232.782 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

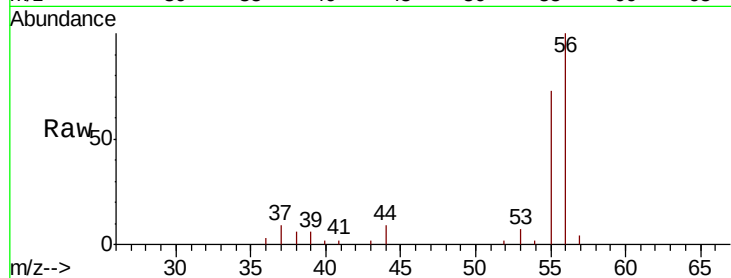
LF015RW050-190604MS

Tot Ion: 56 Resp: 33656

Ion Ratio Lower Upper

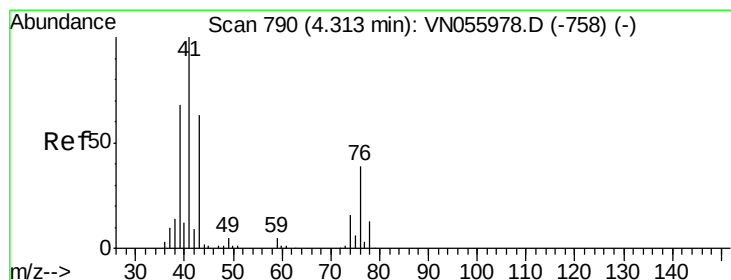
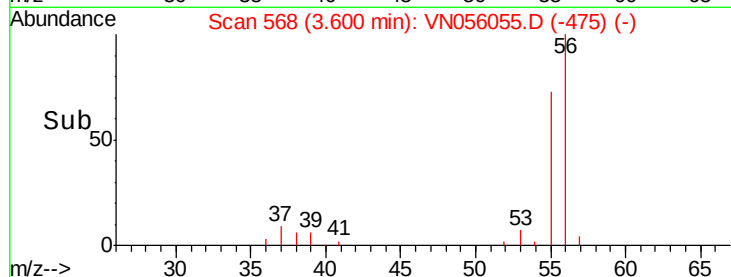
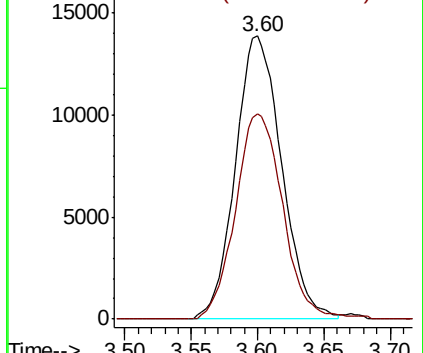
56 100

55 73.9 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.254 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

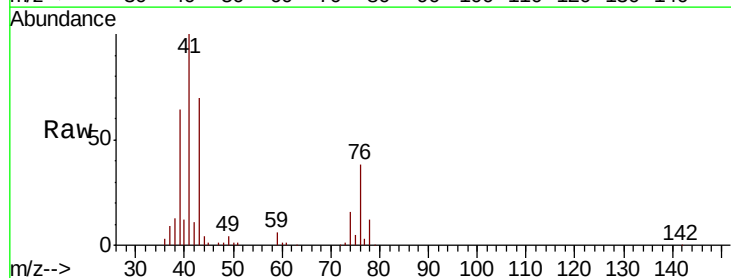
Tgt Ion: 41 Resp: 189426

Ion Ratio Lower Upper

41 100

39 60.5 50.0 75.0

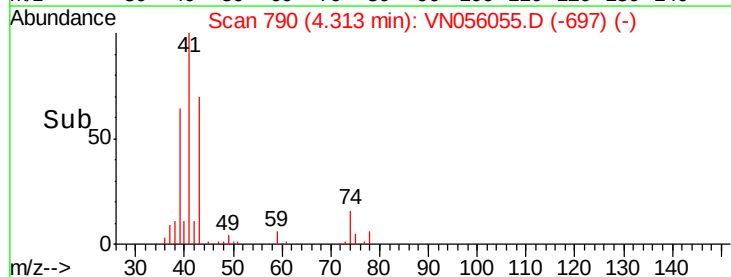
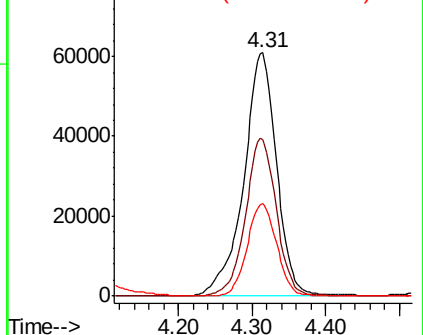
76 34.0 28.2 42.2

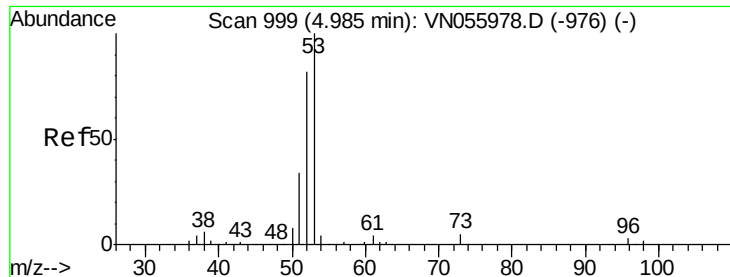


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 295.776 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

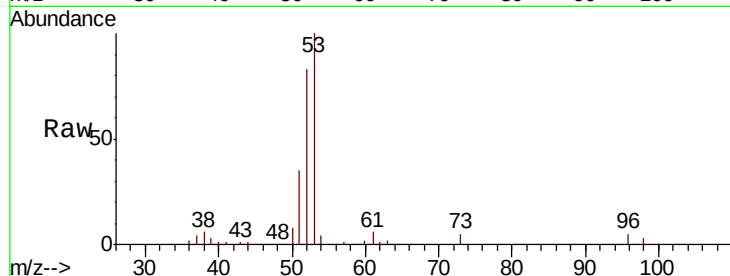
Tot Ion: 53 Resp: 360945

Ion Ratio Lower Upper

53 100

52 82.1 65.8 98.8

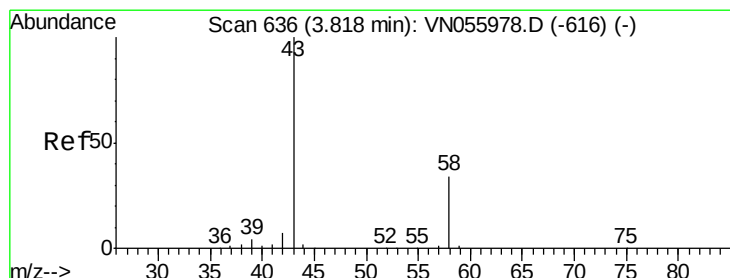
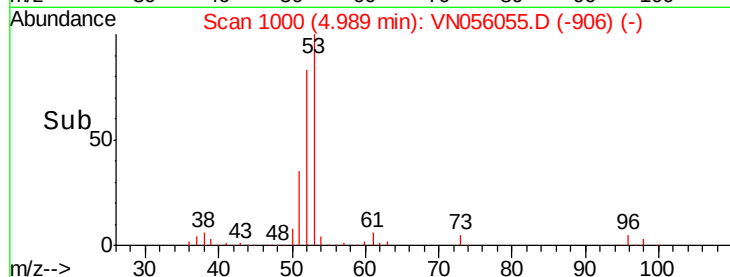
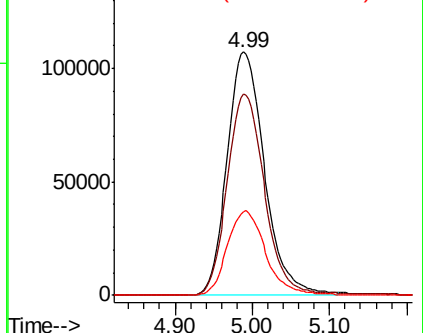
51 35.6 28.2 42.4



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: 204.243 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056055.D

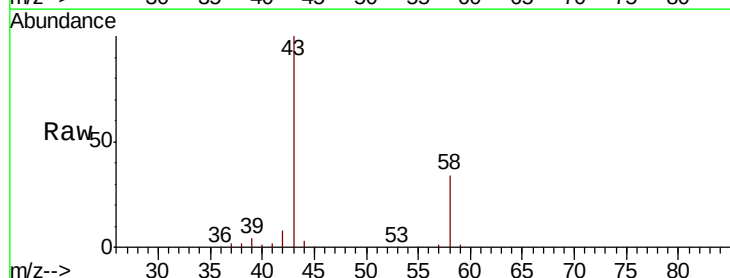
Acq: 6 Jun 2019 19:07

Tgt Ion: 43 Resp: 281399

Ion Ratio Lower Upper

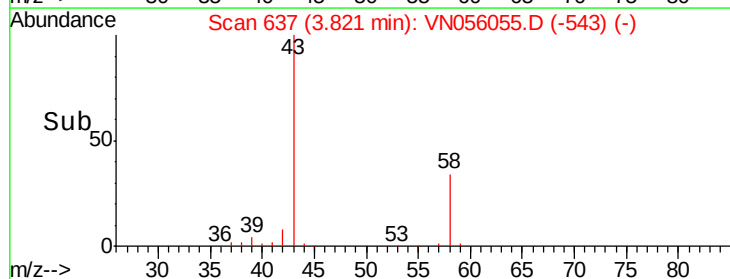
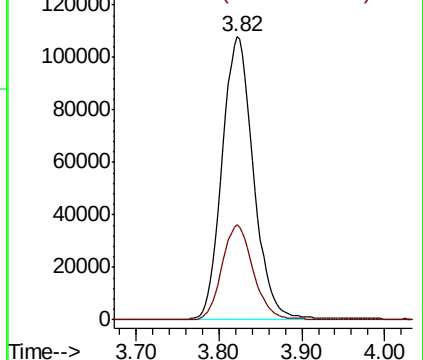
43 100

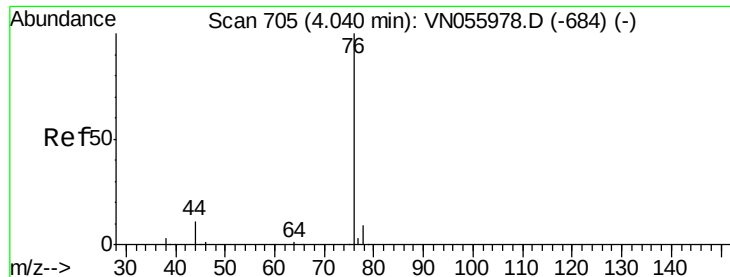
58 33.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

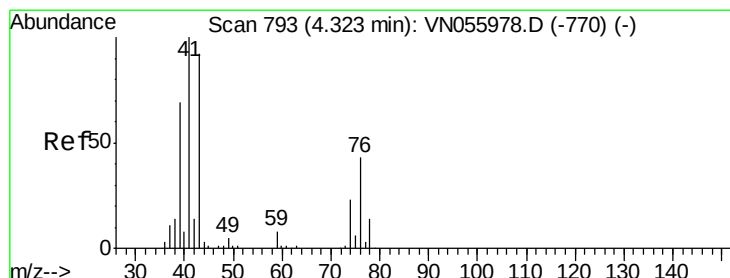
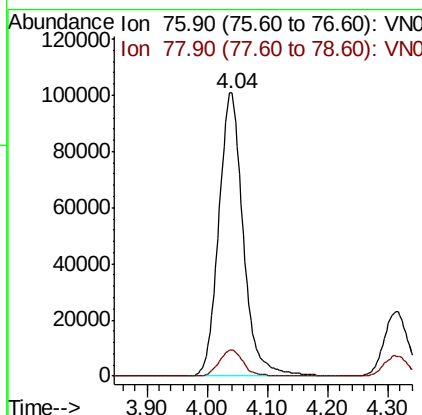
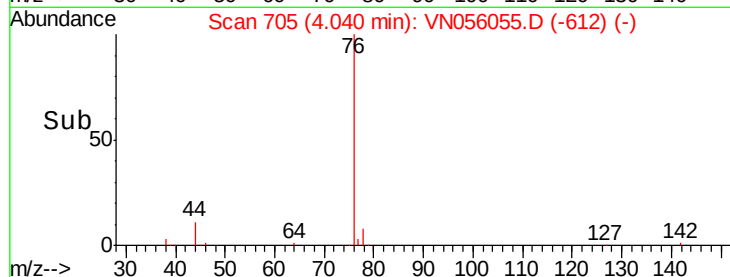
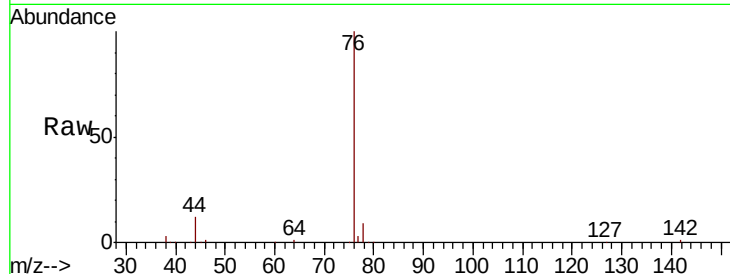




#17
Carbon Disulfide
Concen: 48.389 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

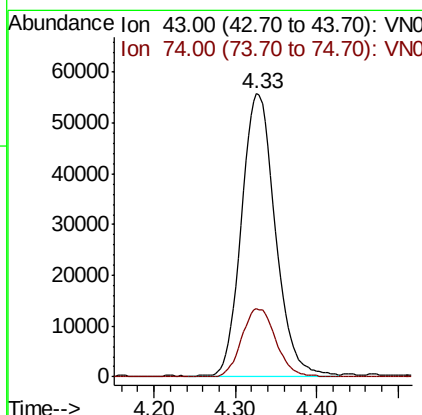
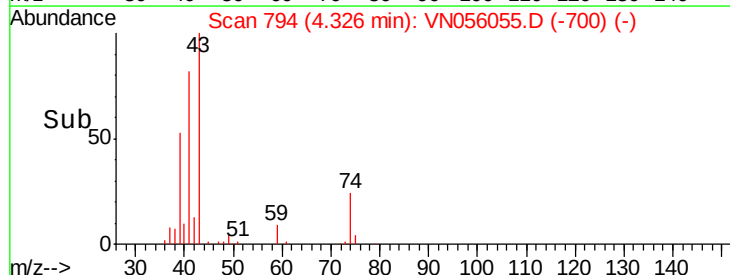
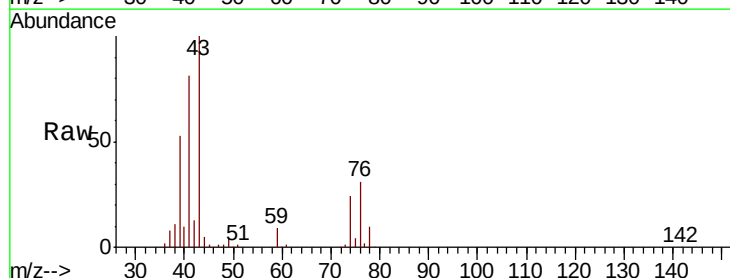
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

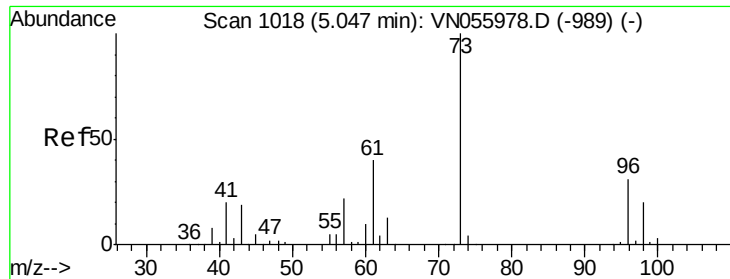
Tot Ion: 76 Resp: 282186
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 58.642 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 43 Resp: 158434
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9

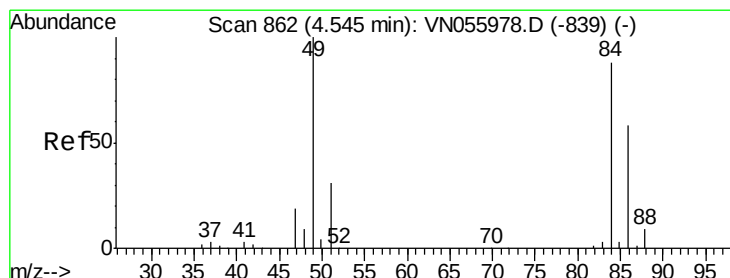
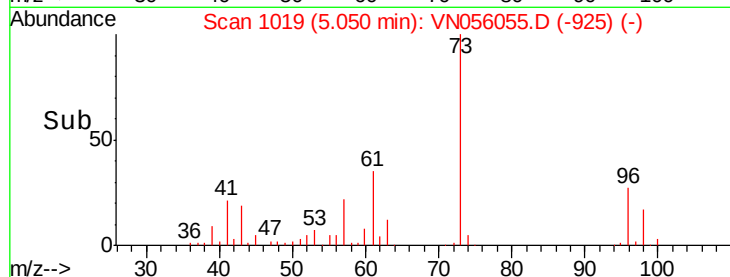
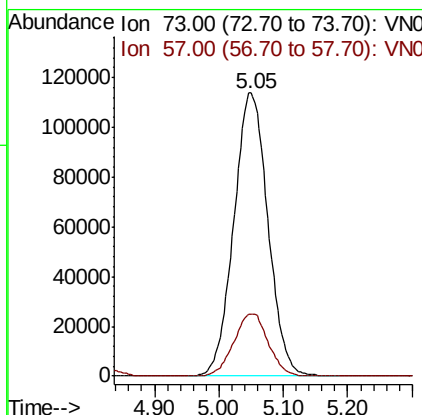
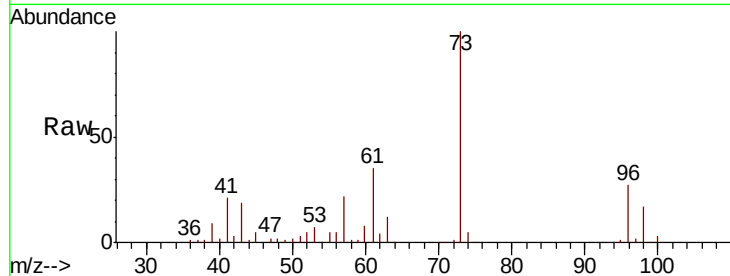




#19
Methyl tert-butyl Ether
Concen: 54.039 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

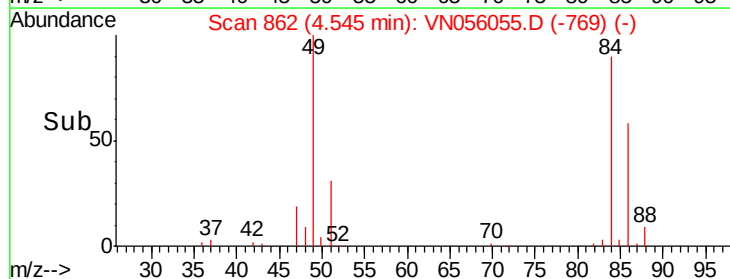
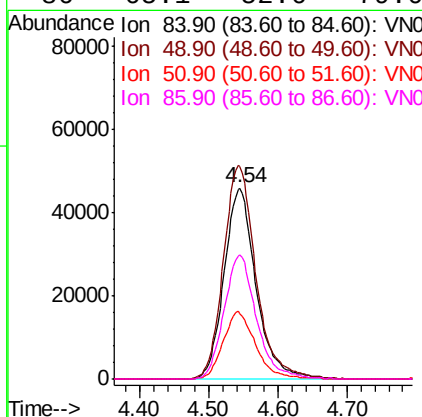
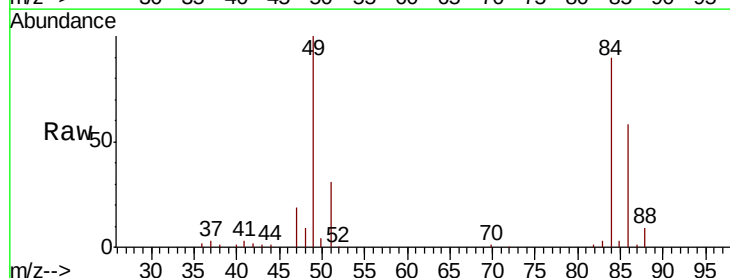
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

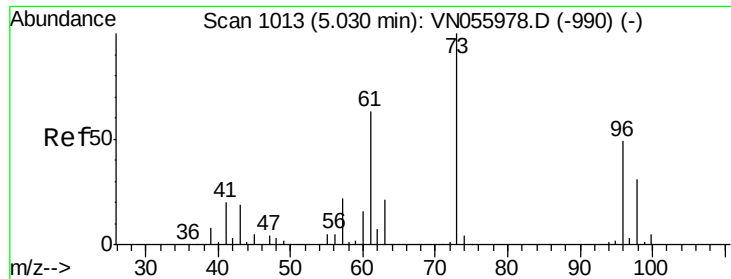
Tot Ion: 73 Resp: 419533
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8



#20
Methylene Chloride
Concen: 52.174 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 84 Resp: 148098
Ion Ratio Lower Upper
84 100
49 111.5 93.5 140.3
51 34.5 28.6 43.0
86 65.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.845 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

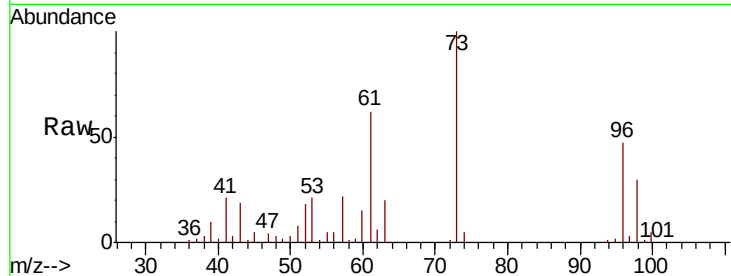
Tot Ion: 96 Resp: 137906

Ion Ratio Lower Upper

96 100

61 131.8 107.8 161.8

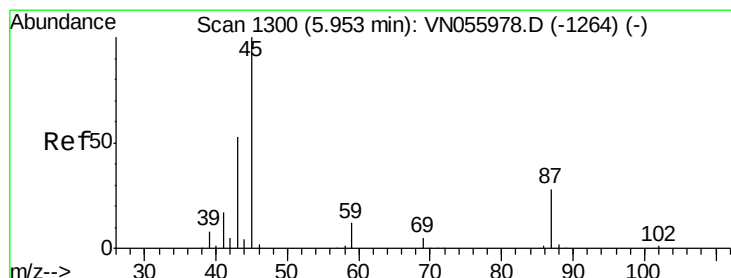
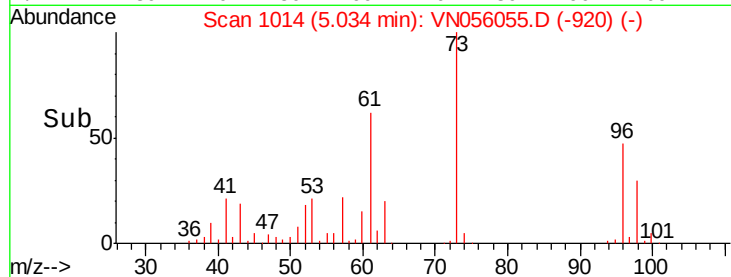
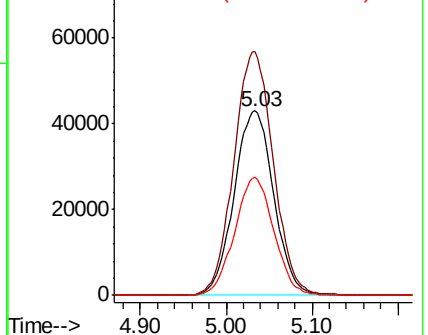
98 63.8 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-990) (-)



#22

Diisopropyl ether

Concen: 53.860 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Tgt Ion: 45 Resp: 428195

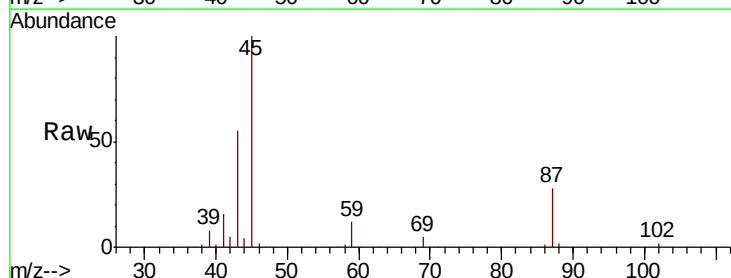
Ion Ratio Lower Upper

45 100

43 53.2 45.0 67.6

87 28.0 22.2 33.4

59 11.5 9.1 13.7

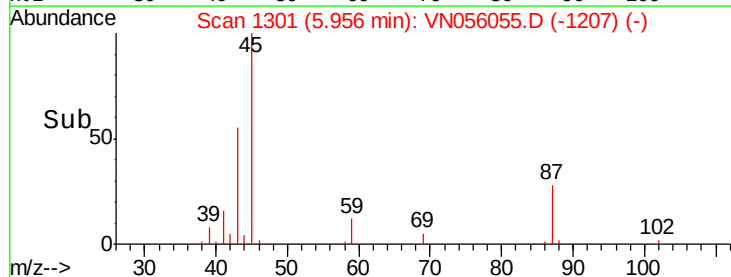
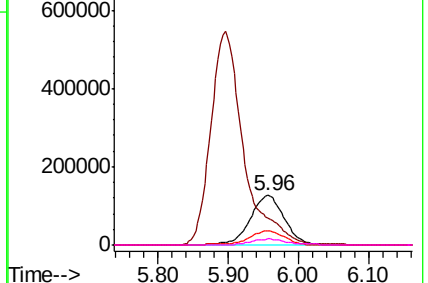


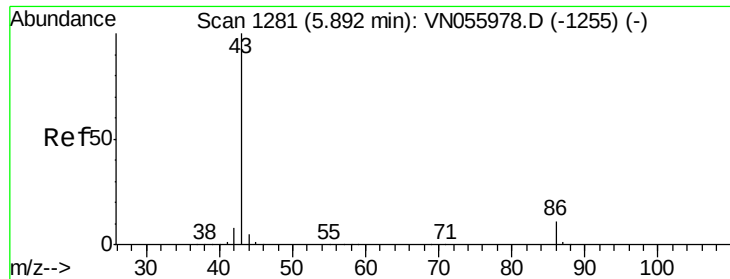
Abundance Ion 45.00 (44.70 to 45.70): VN055978.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN055978.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055978.D (-1264) (-)





#23

Vinyl Acetate

Concen: 284.409 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

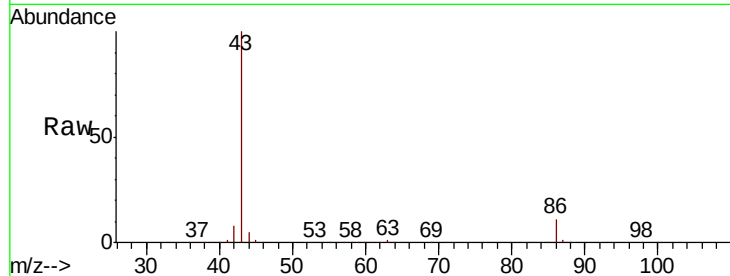
LF015RW050-190604MS

Tot Ion: 43 Resp: 1780605

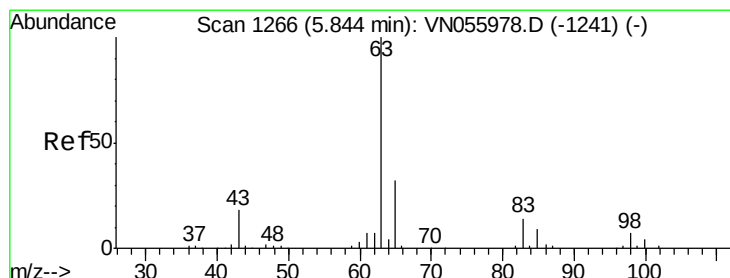
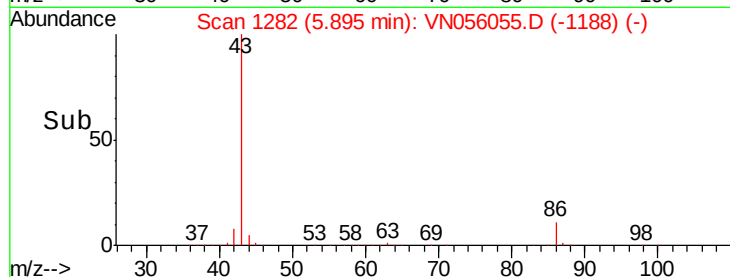
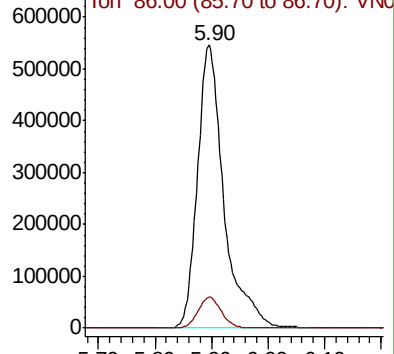
Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)



#24

1,1-Dichloroethane

Concen: 53.542 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

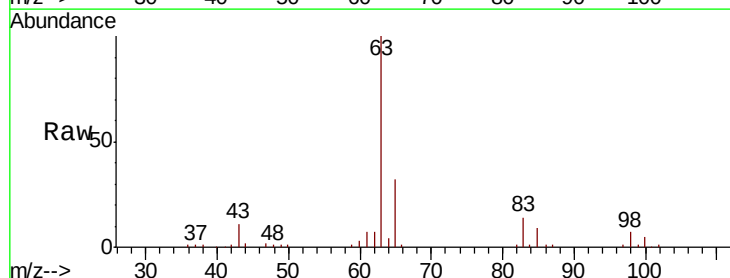
Tgt Ion: 63 Resp: 245538

Ion Ratio Lower Upper

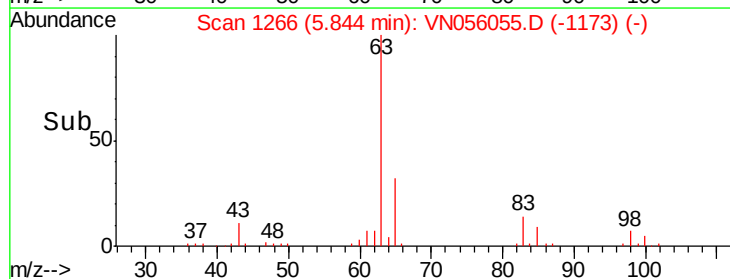
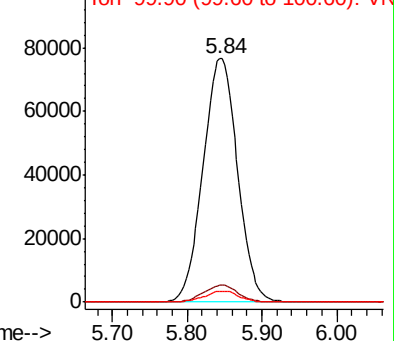
63 100

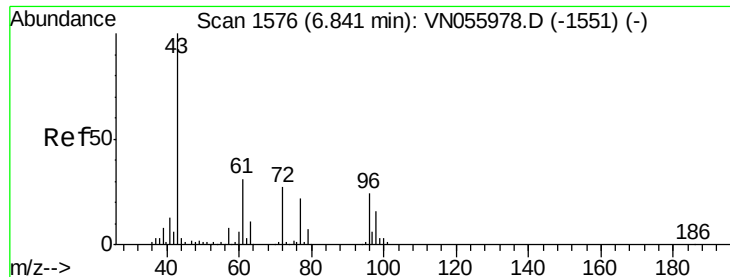
98 6.9 3.4 10.1

100 4.6 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

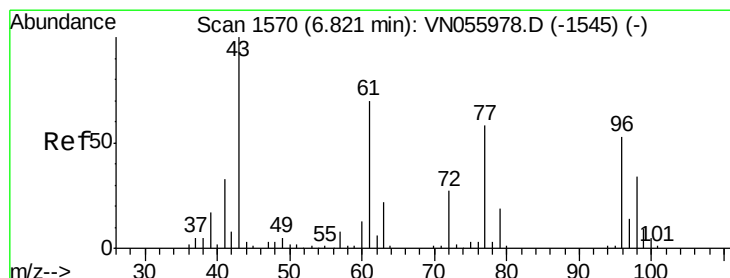
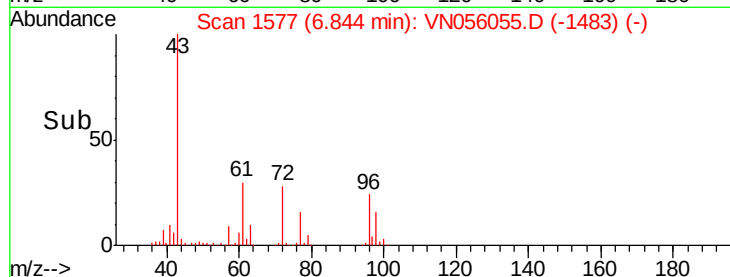
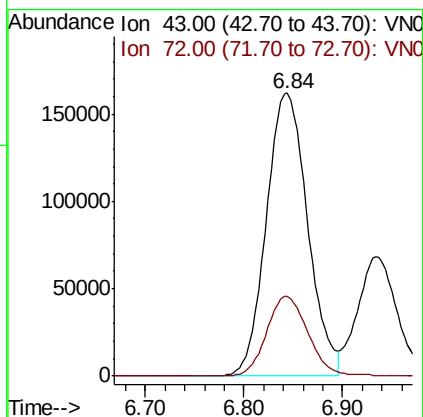
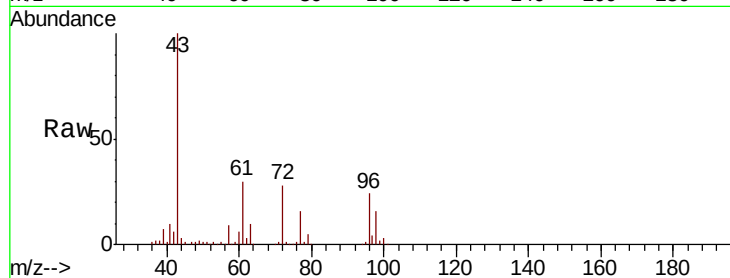




#25
 2-Butanone
 Concen: 270.118 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

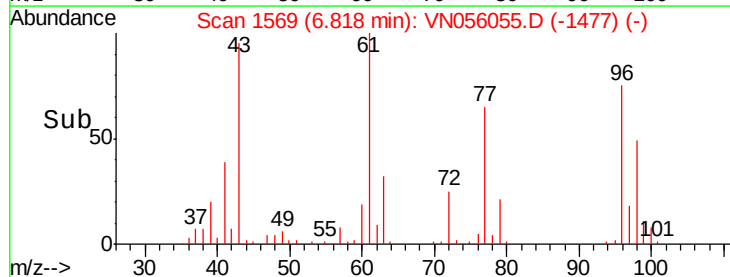
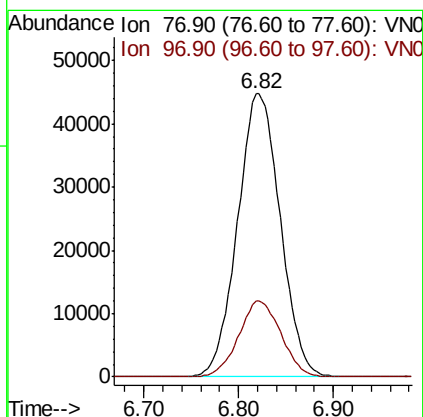
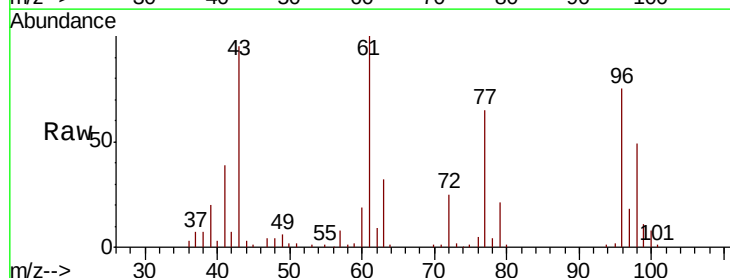
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

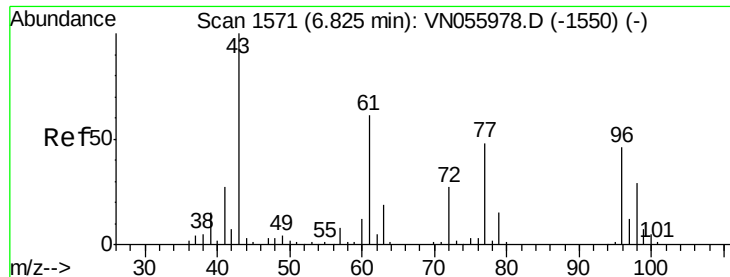
Tot Ion: 43 Resp: 470211
 Ion Ratio Lower Upper
 43 100
 72 28.2 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 39.198 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion: 77 Resp: 140269
 Ion Ratio Lower Upper
 77 100
 97 26.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 54.302 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

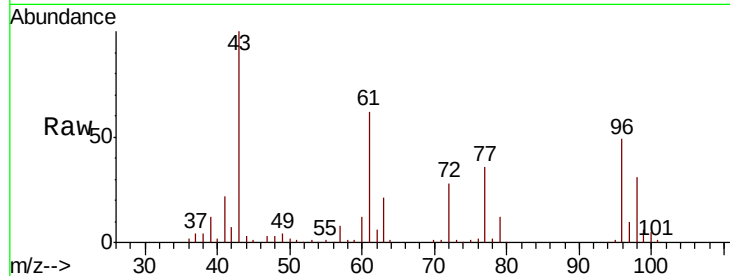
Tot Ion: 96 Resp: 166573

Ion Ratio Lower Upper

96 100

61 129.7 0.0 275.8

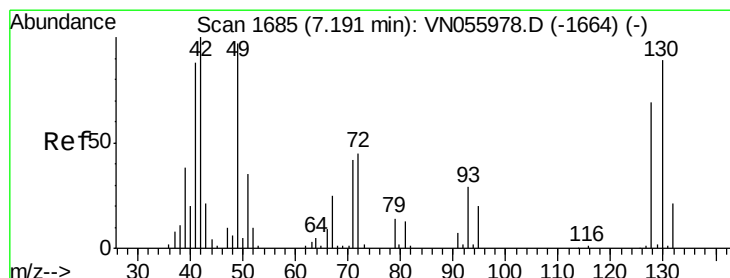
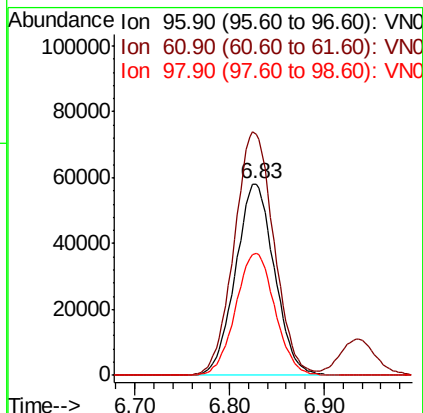
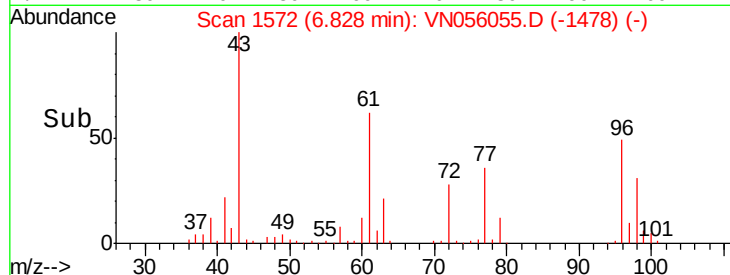
98 64.1 0.0 128.4



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: 55.581 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

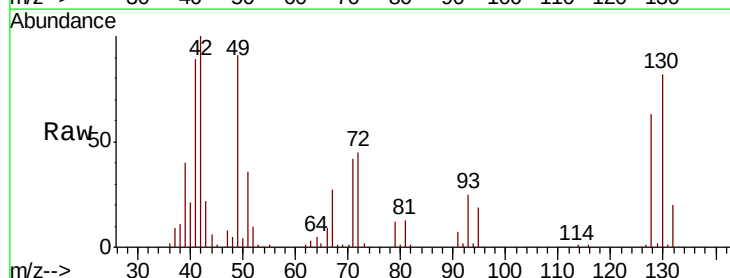
Tgt Ion: 49 Resp: 120537

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

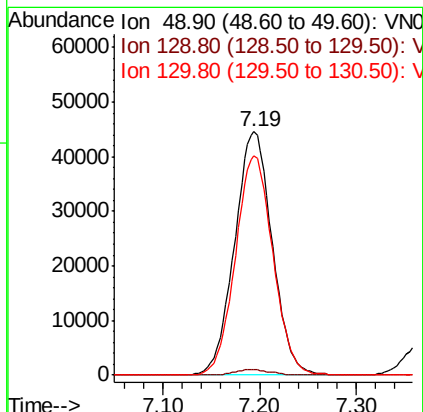
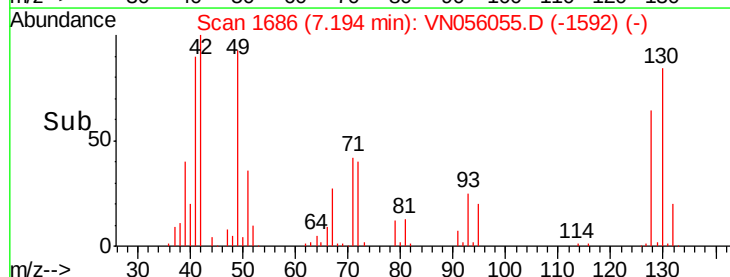
130 89.7 71.2 106.8

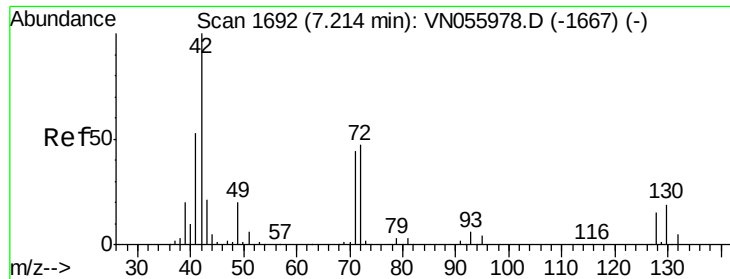


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

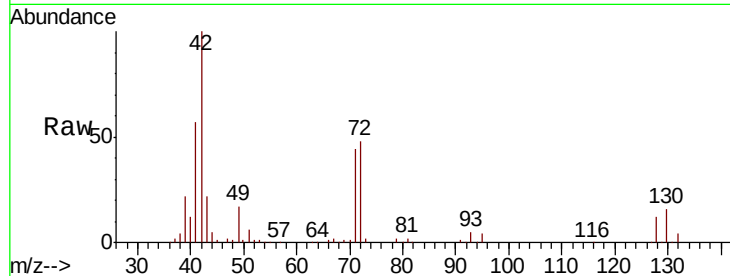




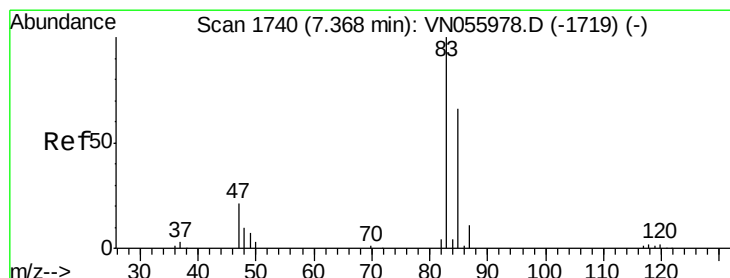
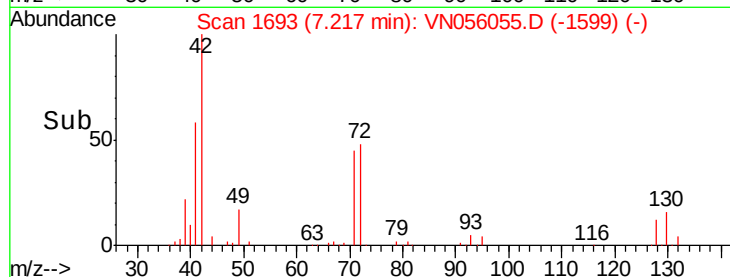
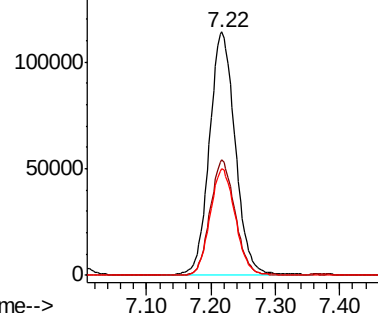
#29
Tetrahydrofuran
Concen: 295.693 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion: 42 Resp: 318176
Ion Ratio Lower Upper
42 100
72 45.7 35.9 53.9
71 42.9 34.0 51.0

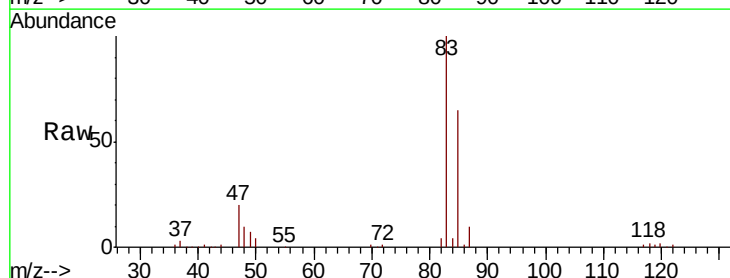


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

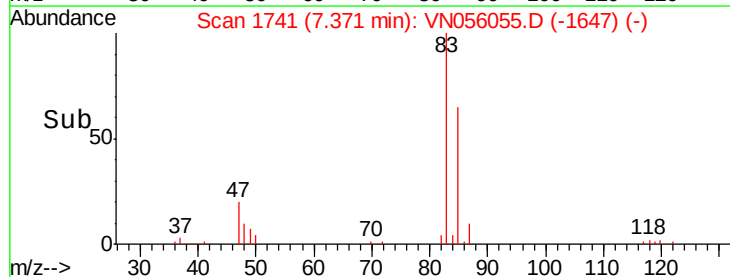
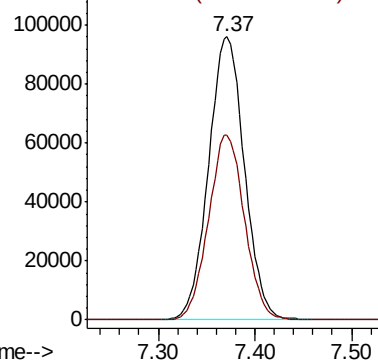


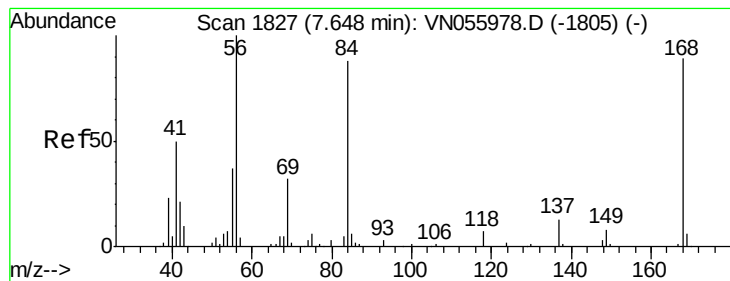
#30
Chloroform
Concen: 53.677 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 83 Resp: 247628
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.8



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





#31

Cyclohexane

Concen: 49.474 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

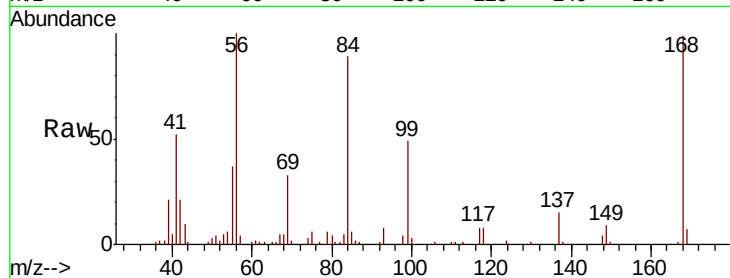
Tot Ion: 56 Resp: 226151

Ion Ratio Lower Upper

56 100

69 33.0 25.6 38.4

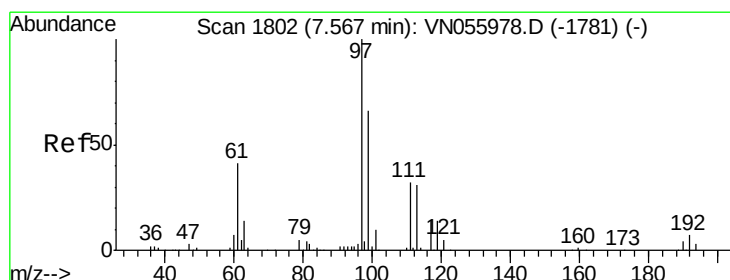
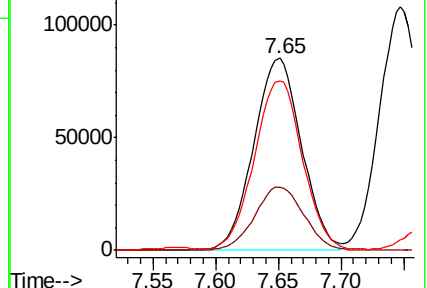
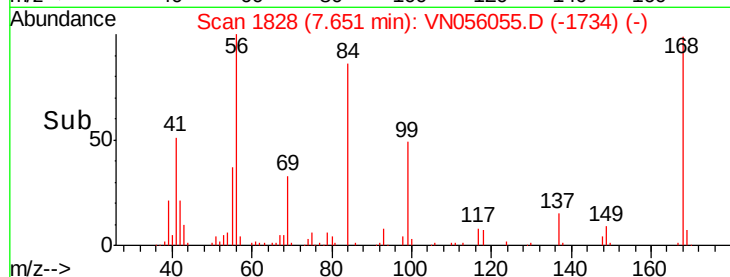
84 87.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN055978.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 52.563 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

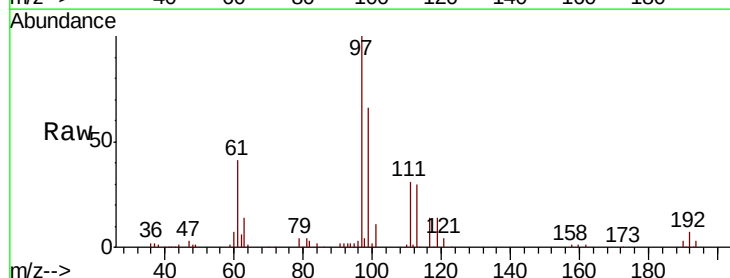
Tgt Ion: 97 Resp: 202493

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

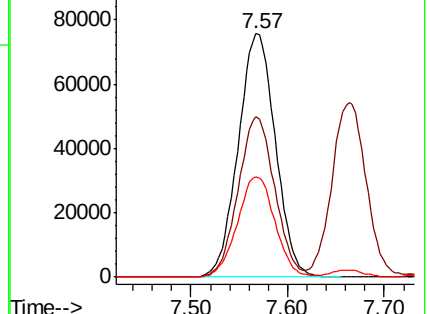
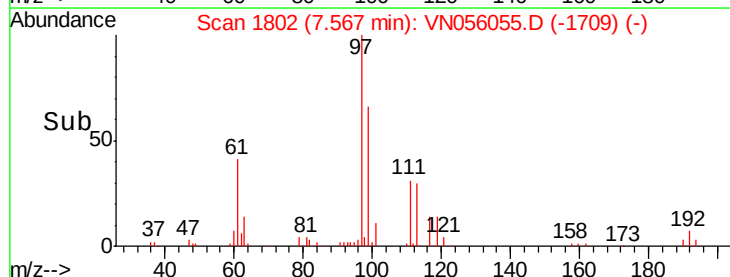
61 41.5 32.9 49.3

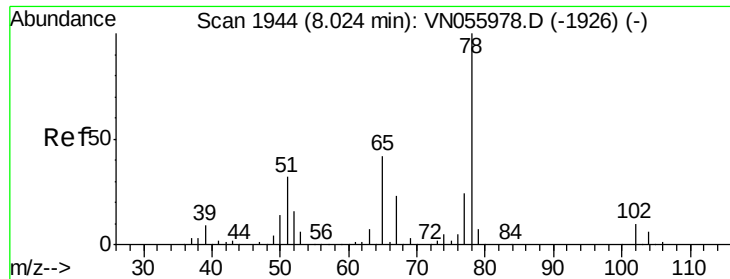


Abundance Ion 96.90 (96.60 to 97.60): VN055978.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1781) (-)

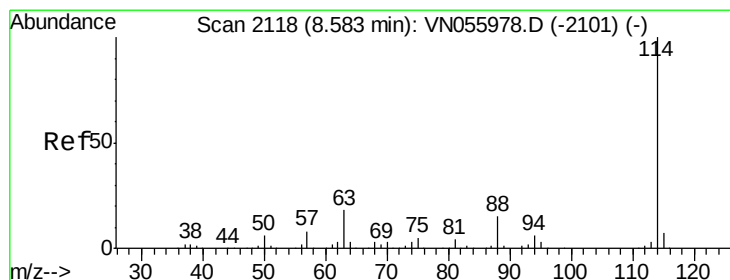
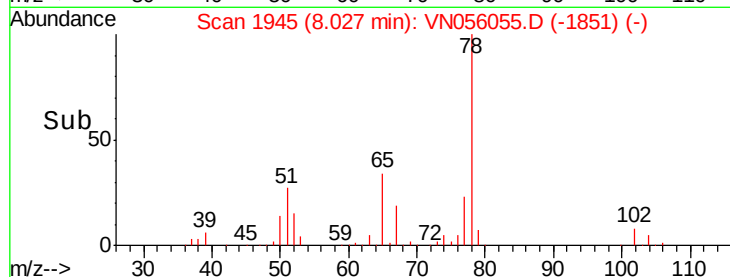
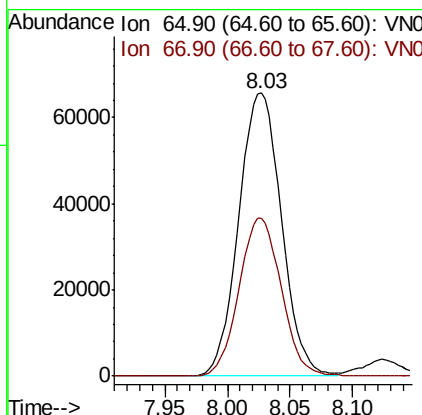
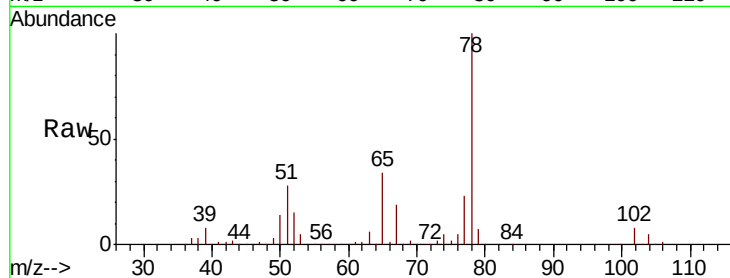




#33
 1,2-Dichloroethane-d4
 Concen: 54.149 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

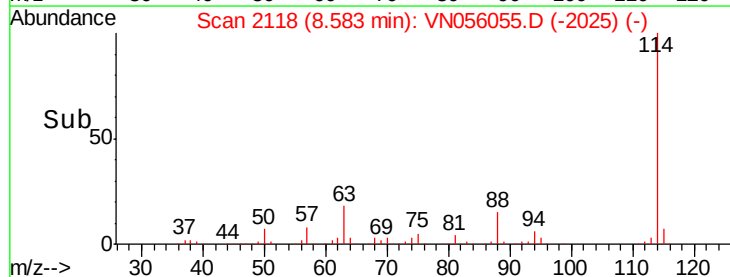
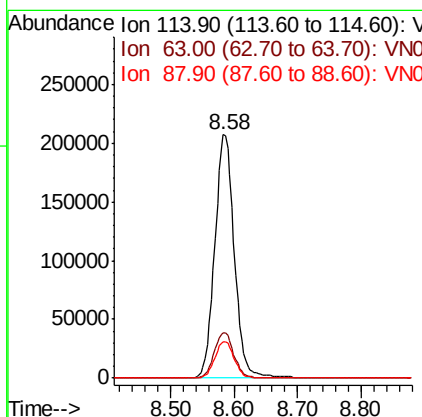
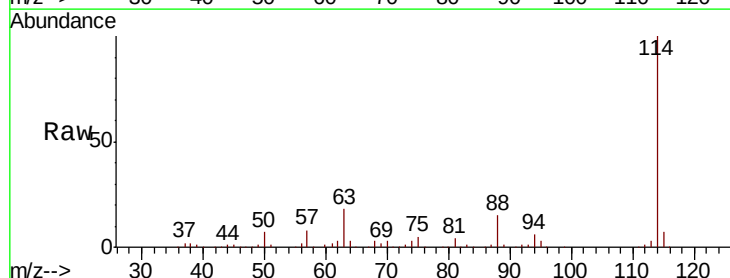
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

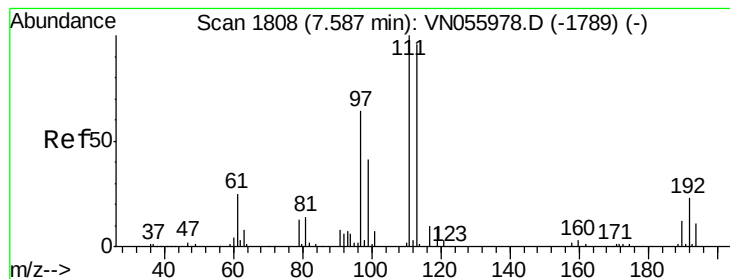
Tot Ion: 65 Resp: 155989
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion: 114 Resp: 442738
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 14.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.674 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

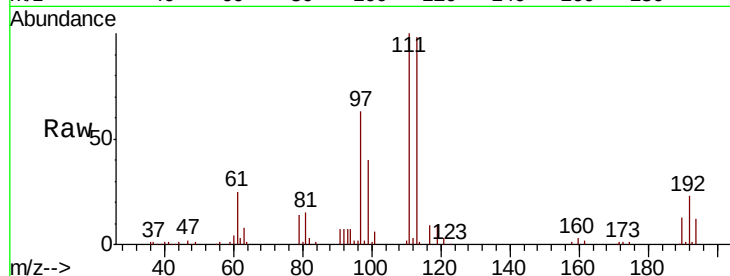
Tot Ion:113 Resp: 140365

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

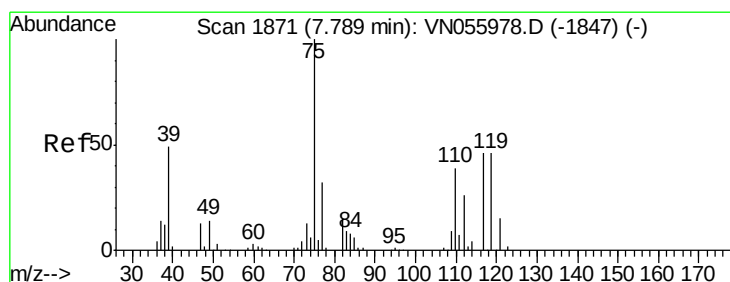
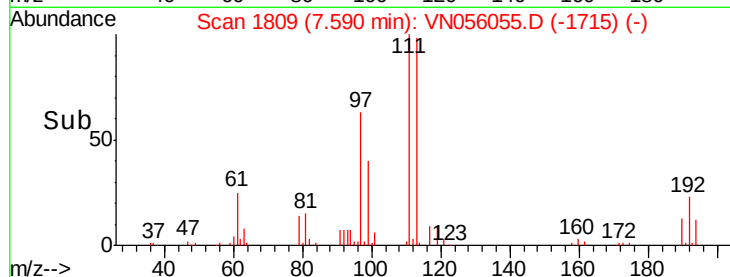
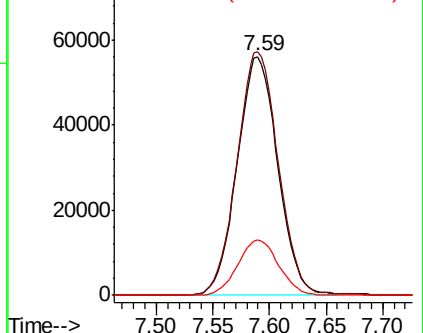
192 23.3 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.833 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

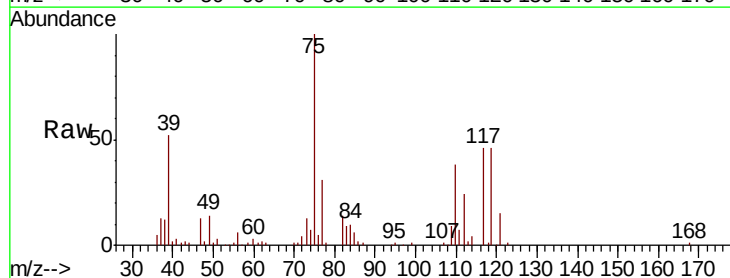
Tgt Ion: 75 Resp: 182096

Ion Ratio Lower Upper

75 100

110 38.6 19.0 57.0

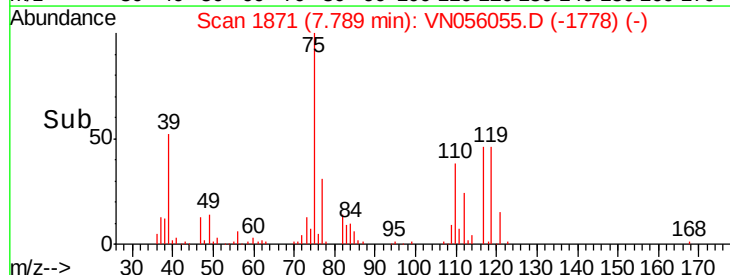
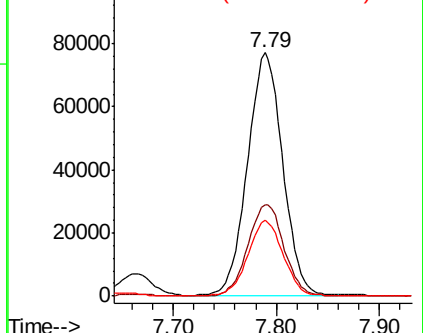
77 31.3 25.1 37.7

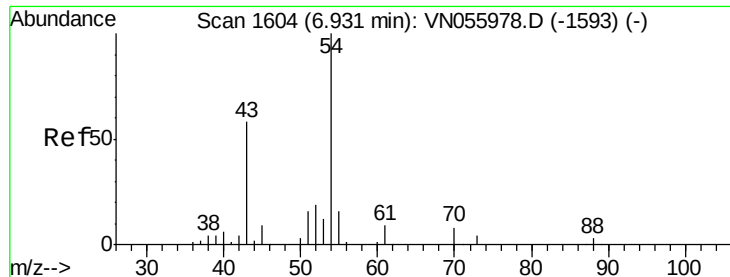


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

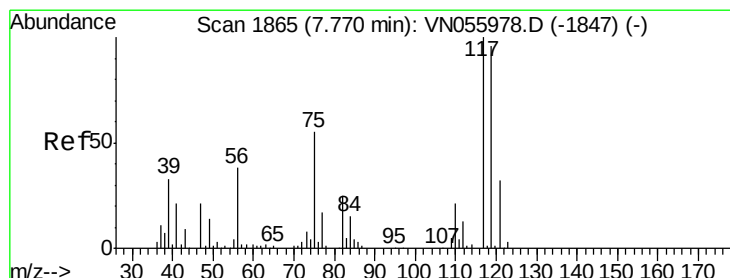
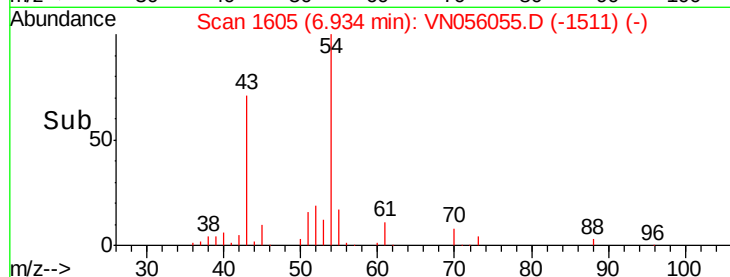
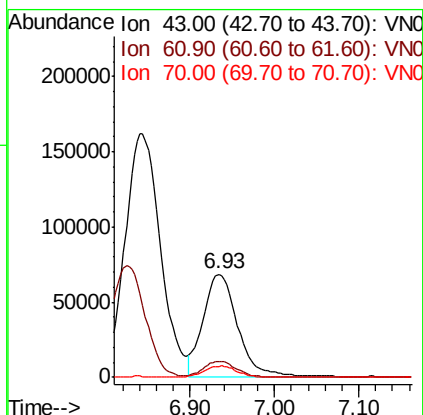
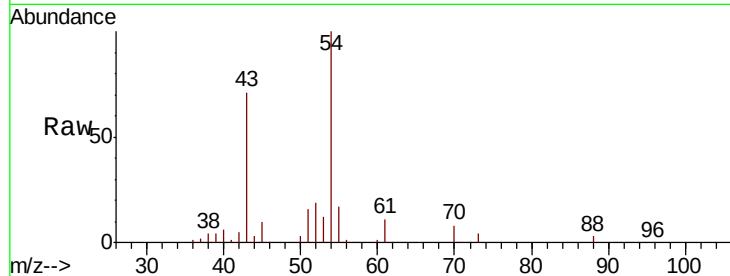




#37
Ethyl Acetate
Concen: 56.951 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

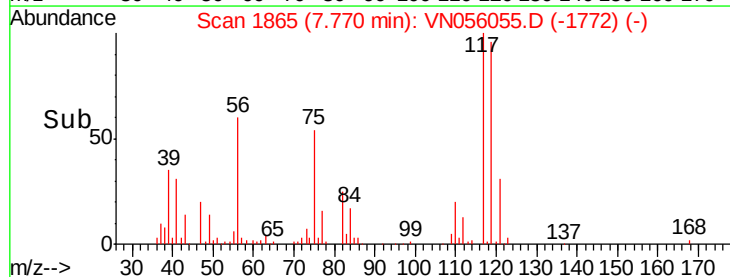
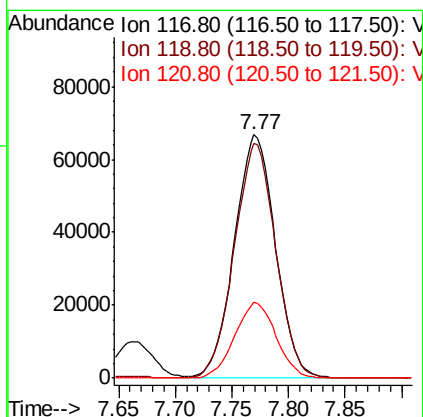
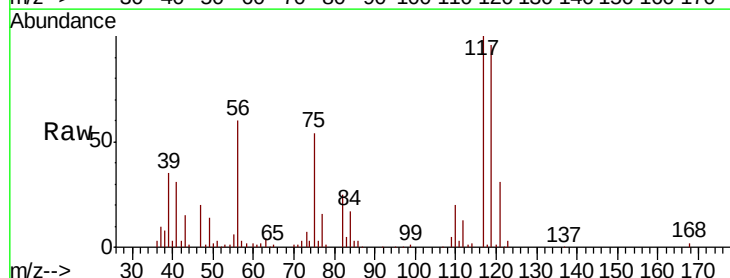
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

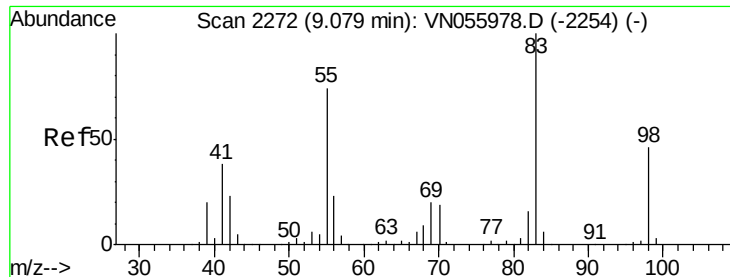
Tot Ion: 43 Resp: 192908
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.2
70 10.8 8.9 13.3



#38
Carbon Tetrachloride
Concen: 47.895 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 117 Resp: 168101
Ion Ratio Lower Upper
117 100
119 96.5 79.0 118.6
121 31.0 24.7 37.1

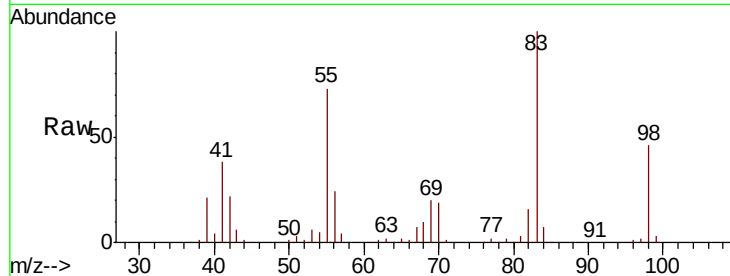




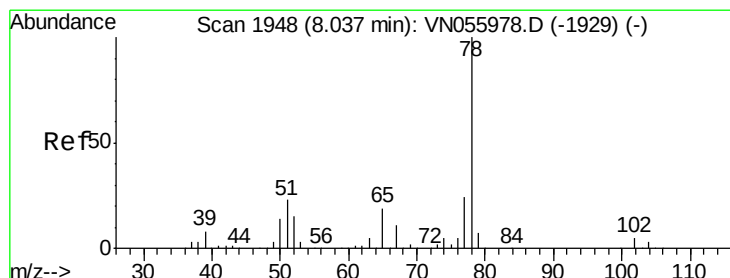
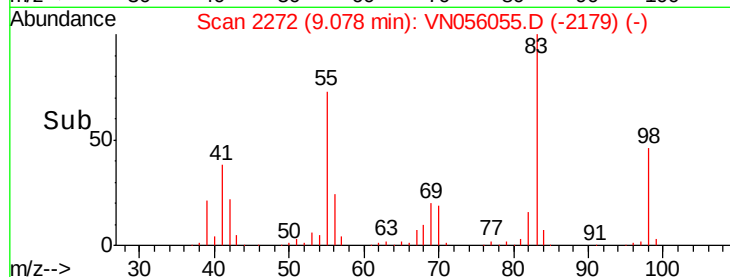
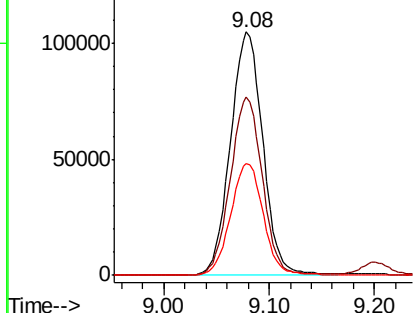
#39
Methylvlcyclohexane
Concen: 47.185 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion: 83 Resp: 223768
Ion Ratio Lower Upper
83 100
55 73.1 59.3 88.9
98 46.0 36.6 54.8

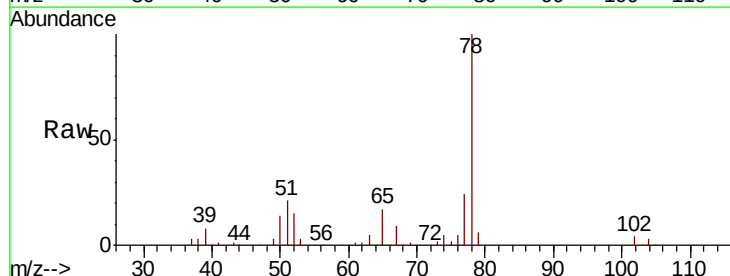


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

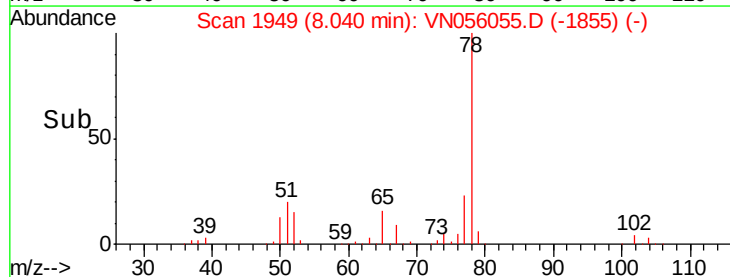
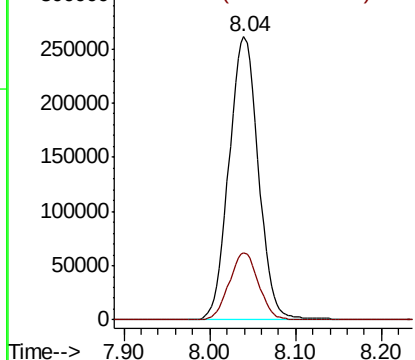


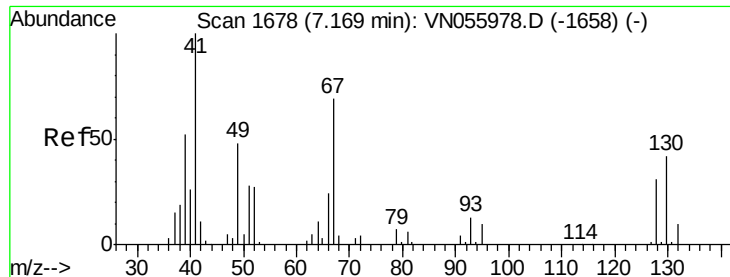
#40
Benzene
Concen: 53.748 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 78 Resp: 621462
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

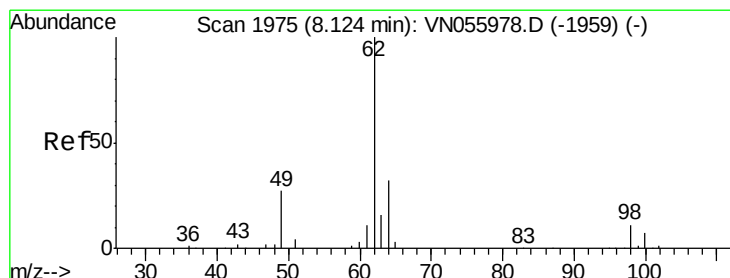
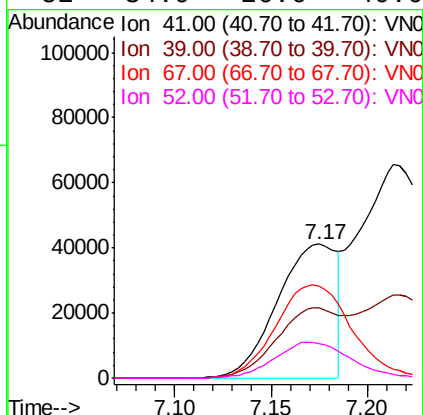
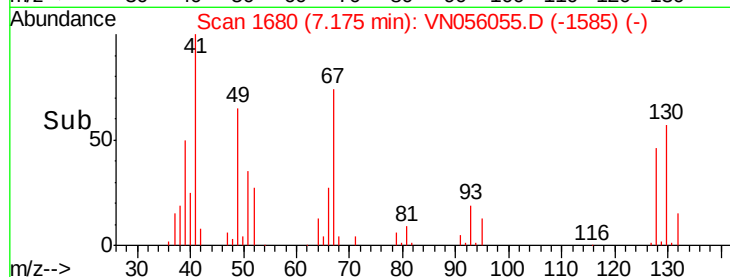
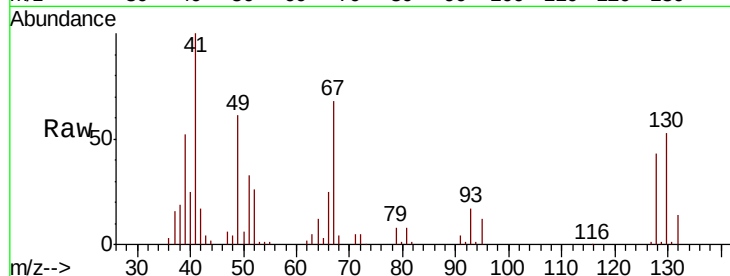




#41
Methacrylonitrile
Concen: 56.673 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

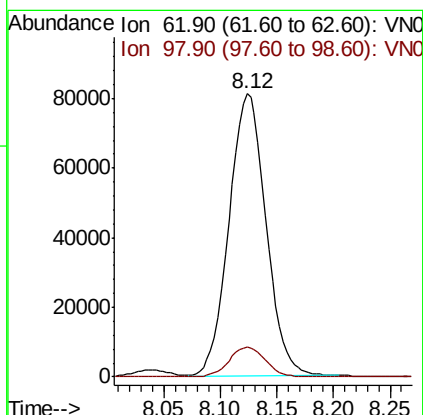
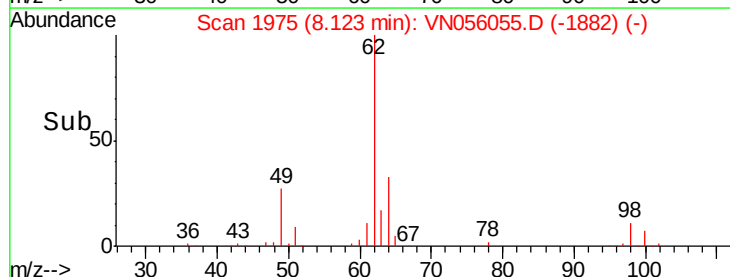
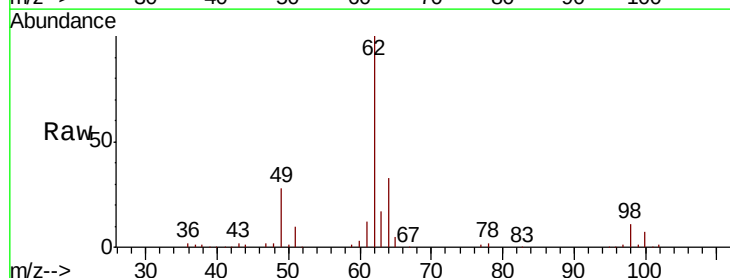
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

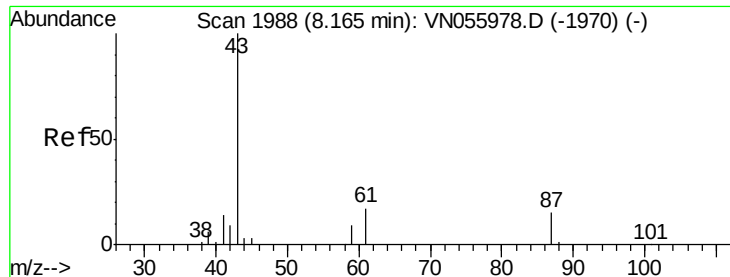
Tot Ion: 41 Resp: 88323
Ion Ratio Lower Upper
41 100
39 56.4 45.6 68.4
67 89.7 67.7 101.5
52 34.9 26.6 40.0



#42
1,2-Dichloroethane
Concen: 49.759 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 62 Resp: 185068
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.2





#43

Isopropyl Acetate

Concen: 53.558 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

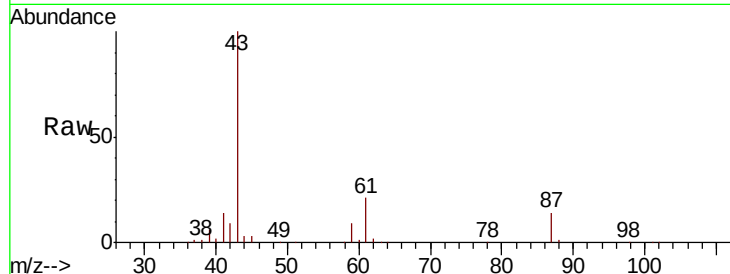
Tot Ion: 43 Resp: 293978

Ion Ratio Lower Upper

43 100

61 21.0 22.2 33.4#

87 14.5 11.4 17.2

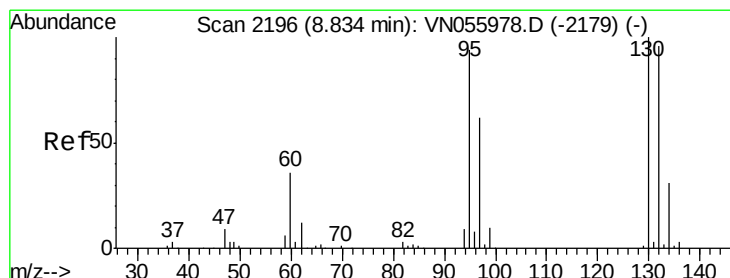
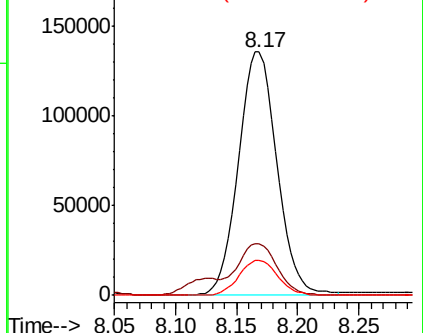
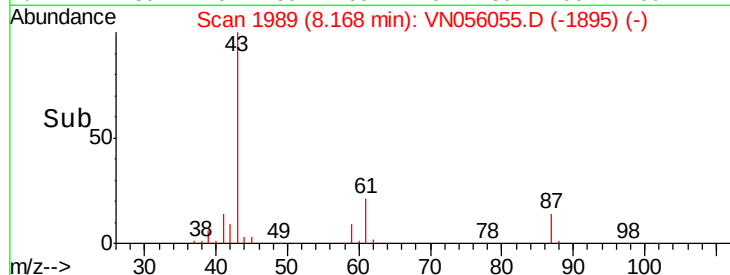


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 48.873 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056055.D

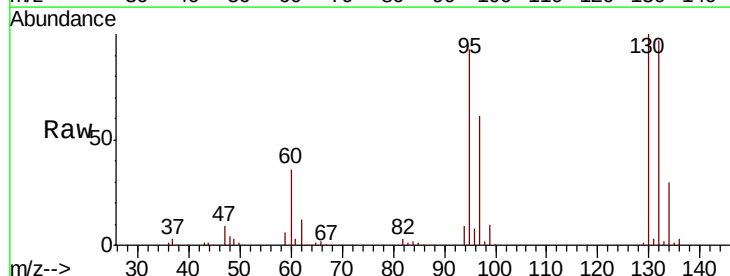
Acq: 6 Jun 2019 19:07

Tgt Ion:130 Resp: 162380

Ion Ratio Lower Upper

130 100

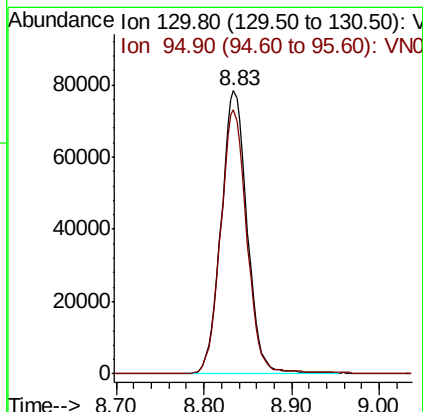
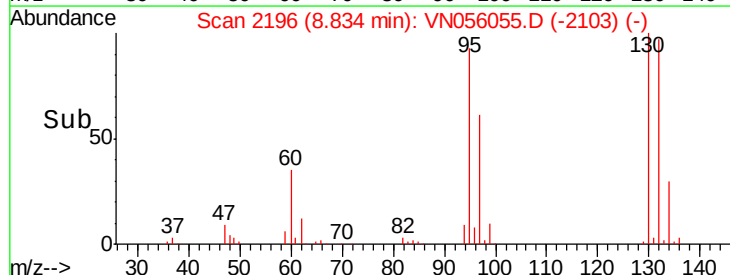
95 93.3 0.0 188.0

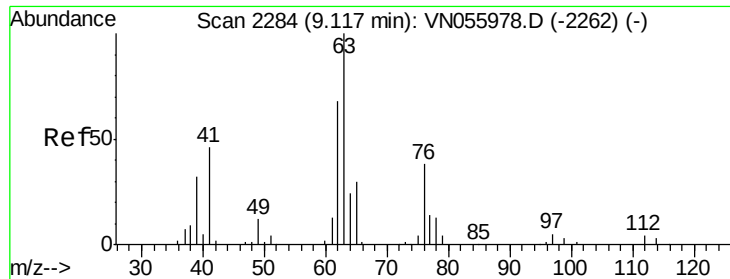


Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Time--> 8.70 8.80 8.90 9.00

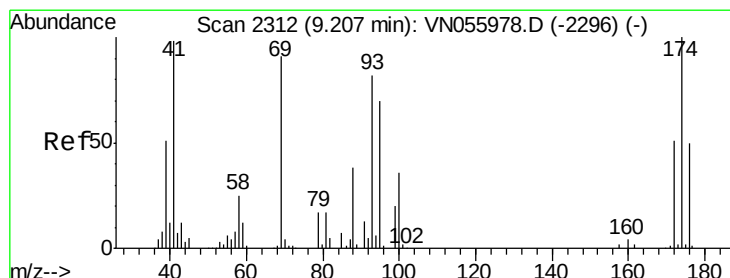
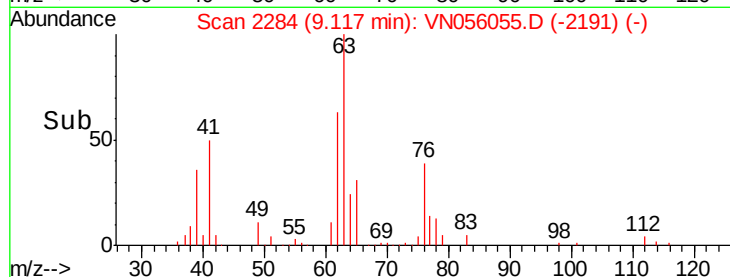
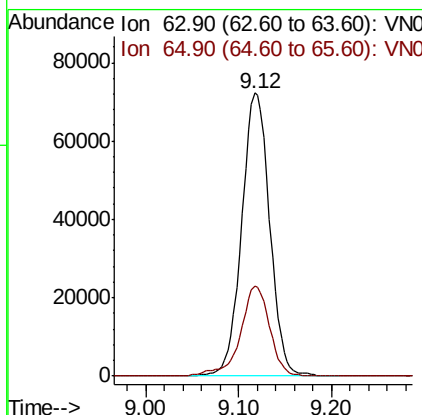
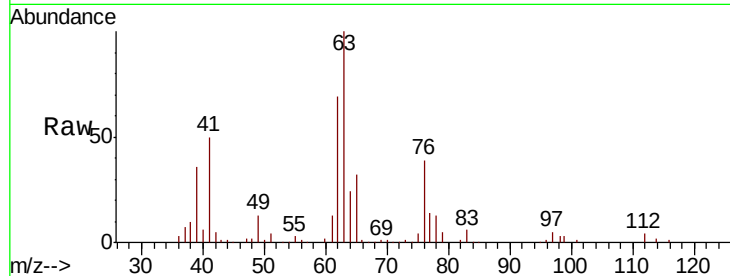




#45
 1,2-Dichloropropane
 Concen: 51.309 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

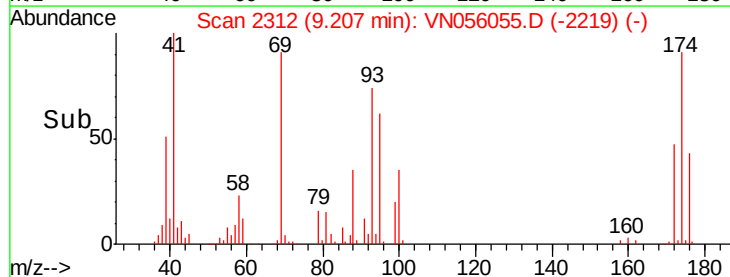
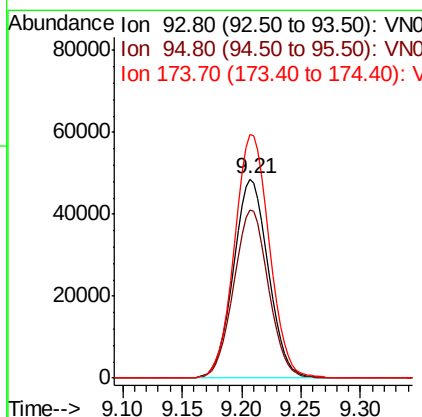
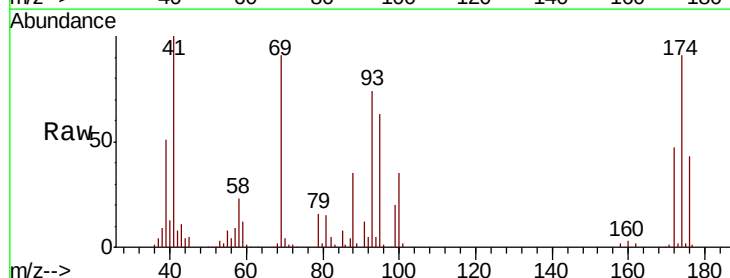
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

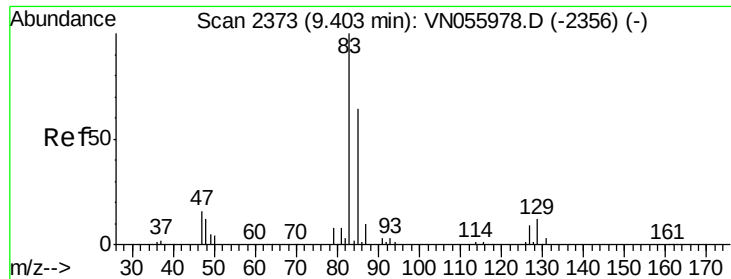
Tot Ion: 63 Resp: 151959
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.6 36.8



#46
 Dibromomethane
 Concen: 51.132 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion: 93 Resp: 99027
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 122.2 96.4 144.6

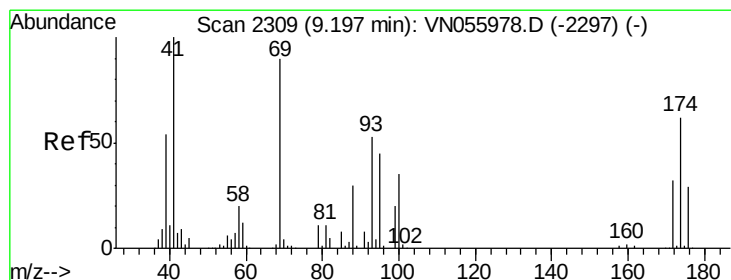
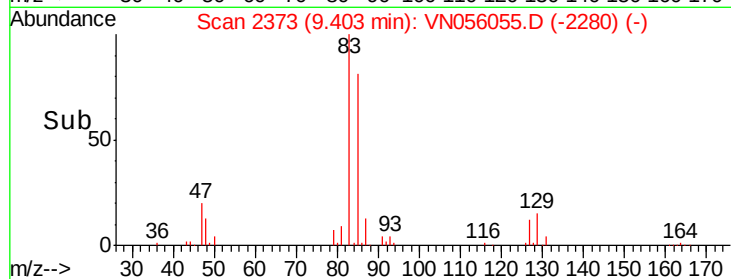
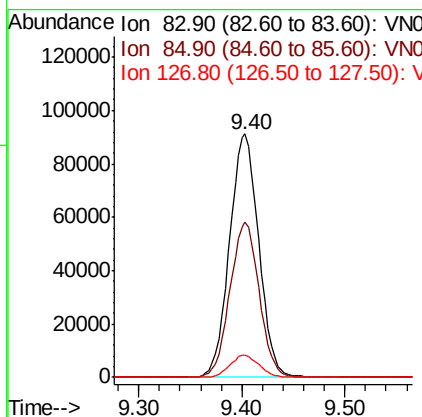
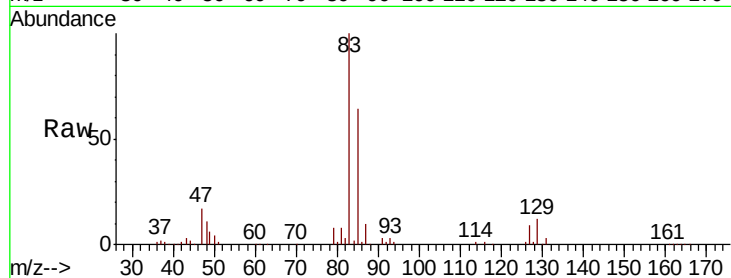




#47
Bromodichloromethane
Concen: 51.197 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

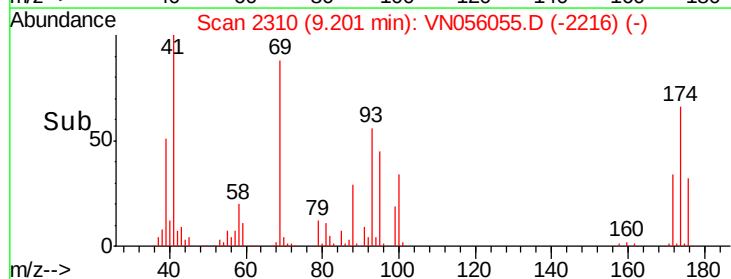
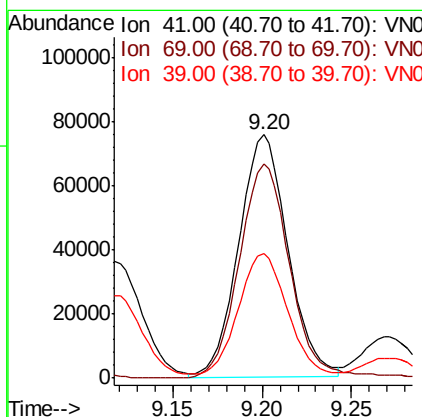
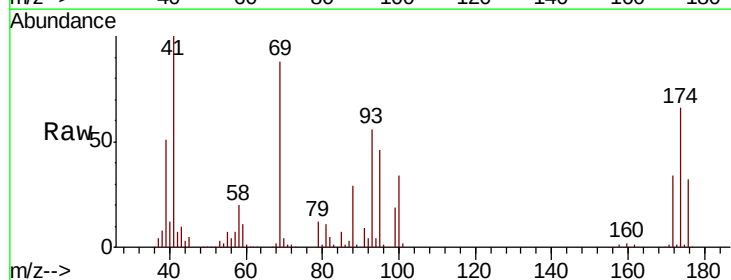
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

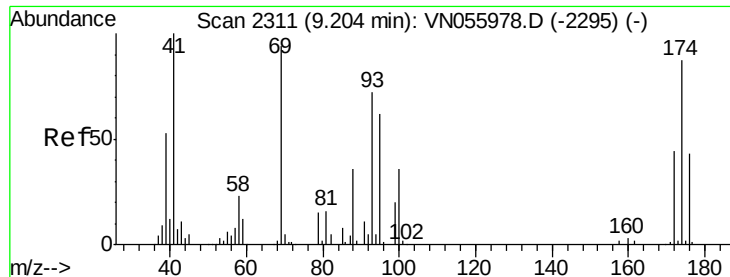
Tot Ion: 83 Resp: 179707
Ion Ratio Lower Upper
83 100
85 63.9 52.2 78.2
127 9.2 7.4 11.0



#48
Methyl methacrylate
Concen: 54.255 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 41 Resp: 145694
Ion Ratio Lower Upper
41 100
69 90.4 71.0 106.6
39 52.0 44.2 66.2

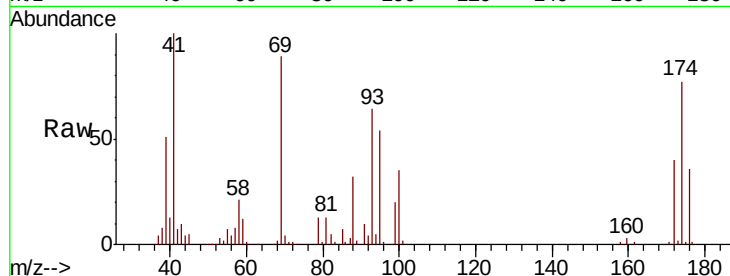




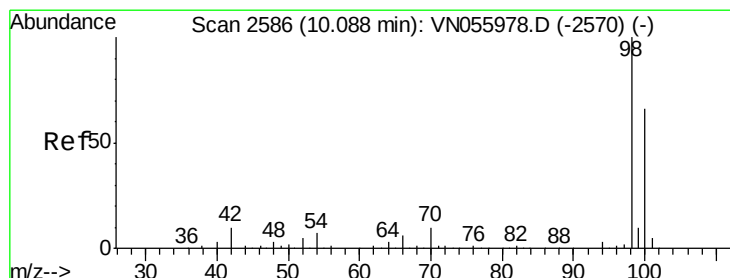
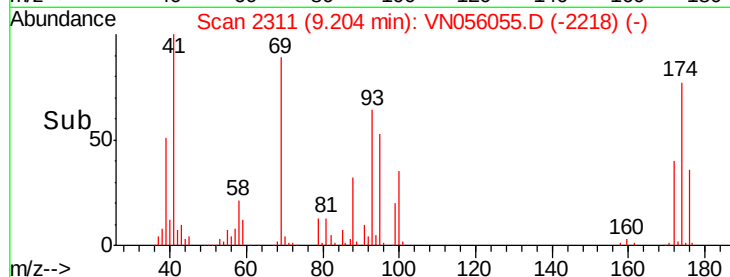
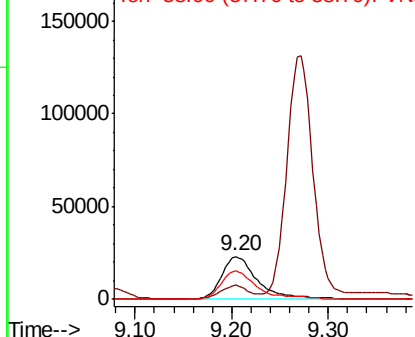
#49
1,4-Dioxane
Concen: 1036.771 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion: 88 Resp: 60105
Ion Ratio Lower Upper
88 100
43 25.3 20.5 30.7
58 63.2 55.8 83.6

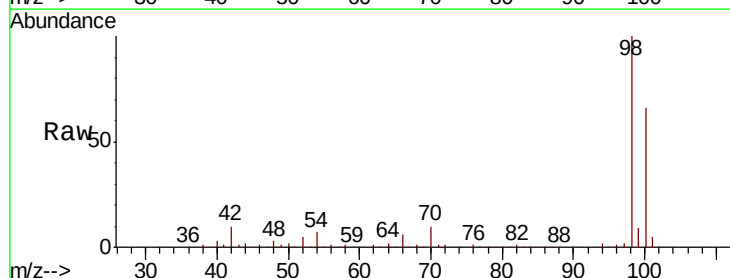


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

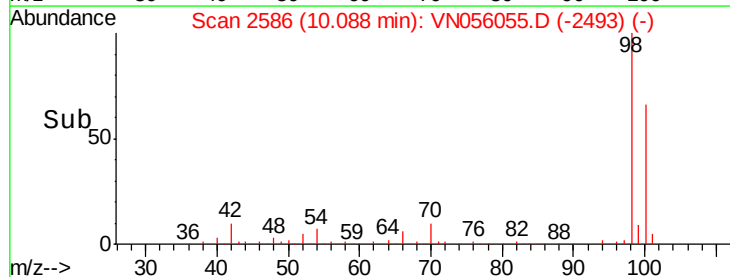
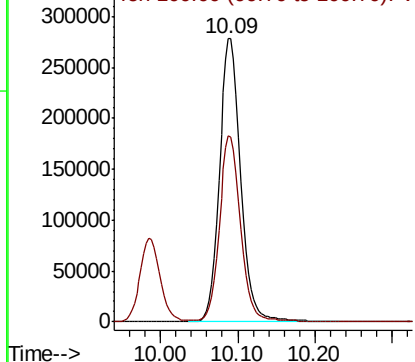


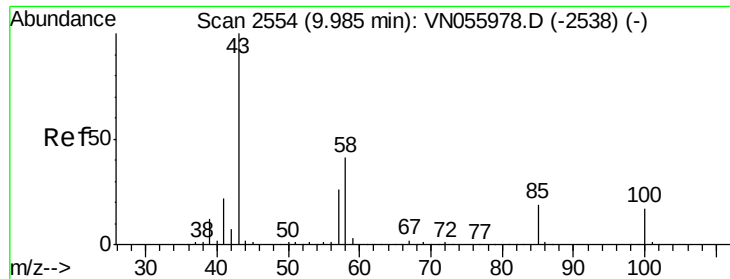
#50
Toluene-d8
Concen: 51.105 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 98 Resp: 534179
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



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: 274.482 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

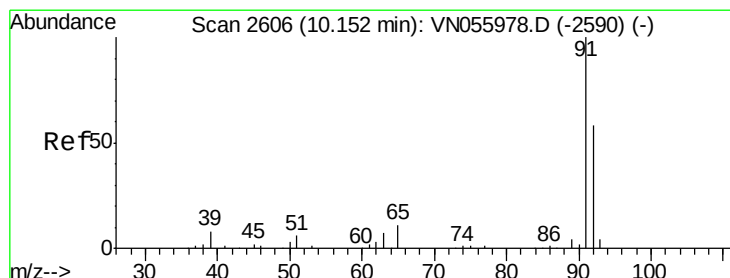
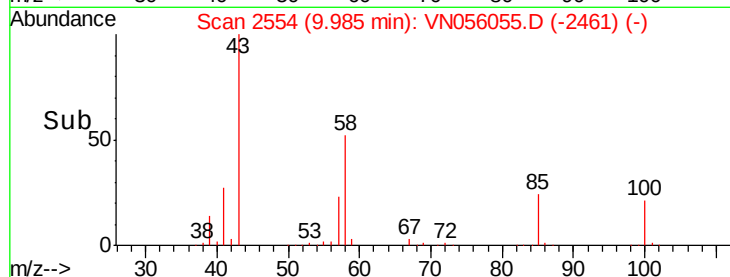
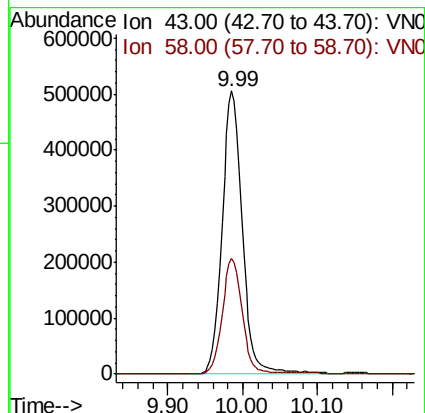
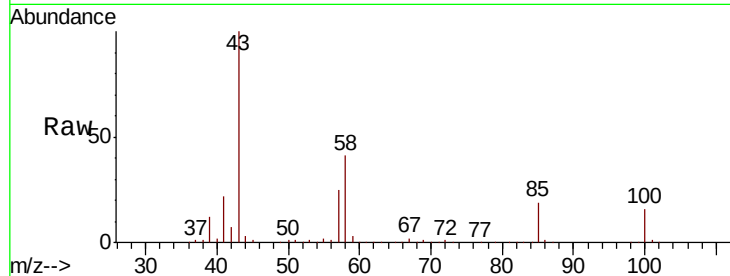
LF015RW050-190604MS

Tot Ion: 43 Resp: 942159

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1



#52

Toluene

Concen: 50.742 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056055.D

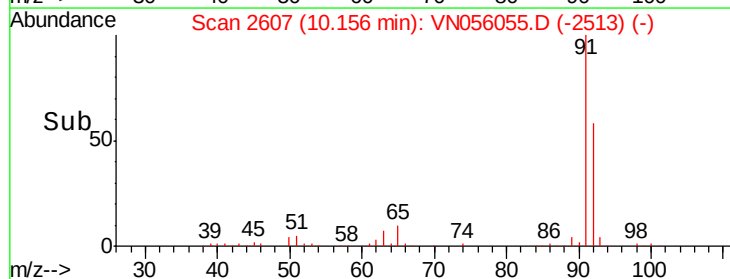
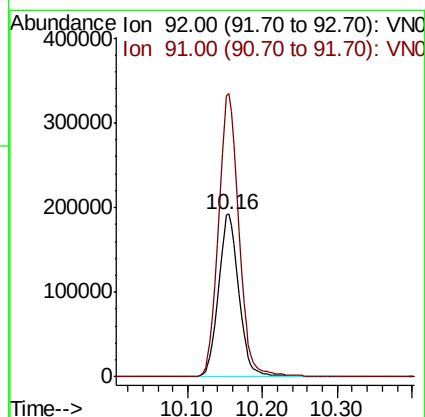
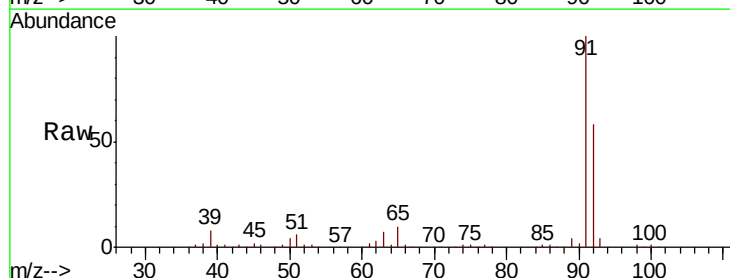
Acq: 6 Jun 2019 19:07

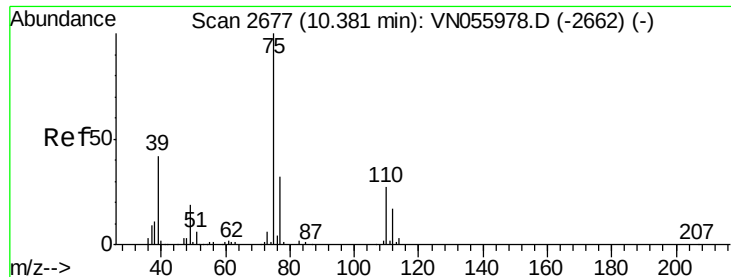
Tgt Ion: 92 Resp: 365081

Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 44.061 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

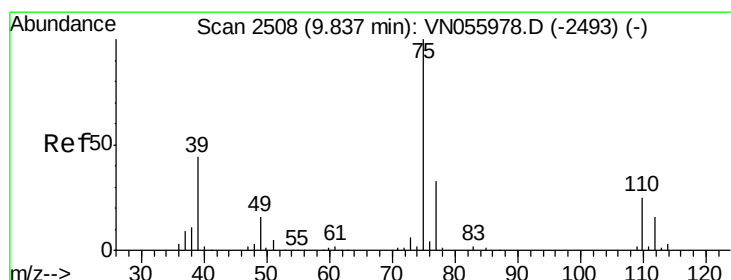
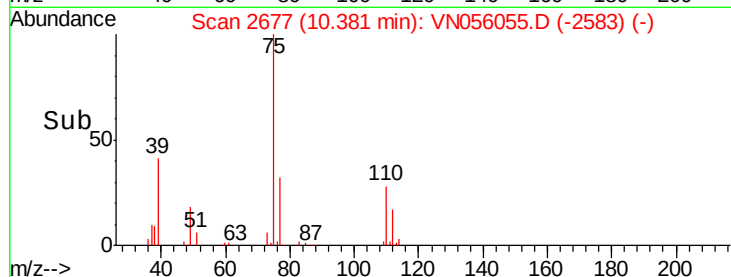
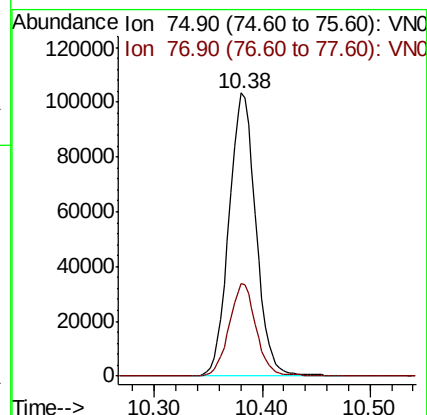
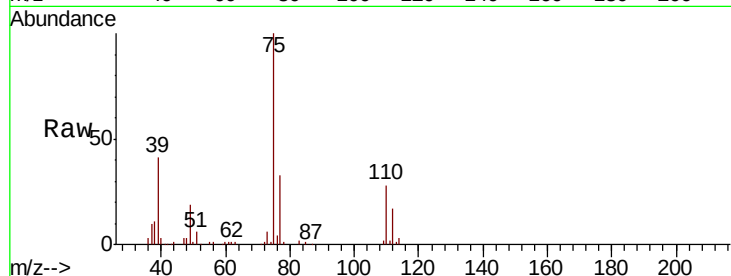
LF015RW050-190604MS

Tot Ion: 75 Resp: 180093

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 50.768 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

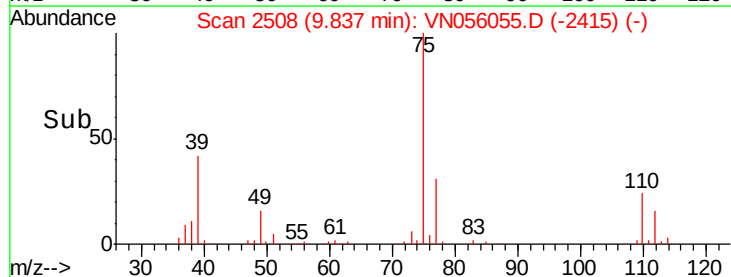
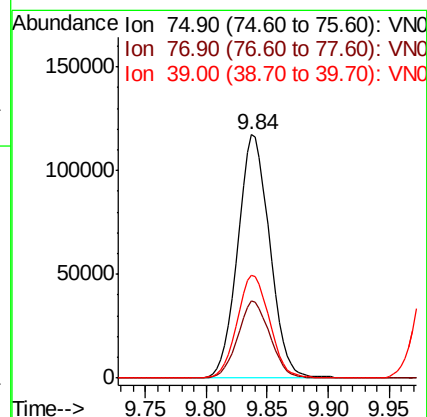
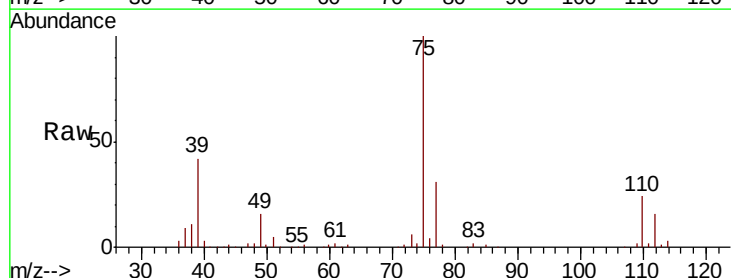
Tgt Ion: 75 Resp: 214201

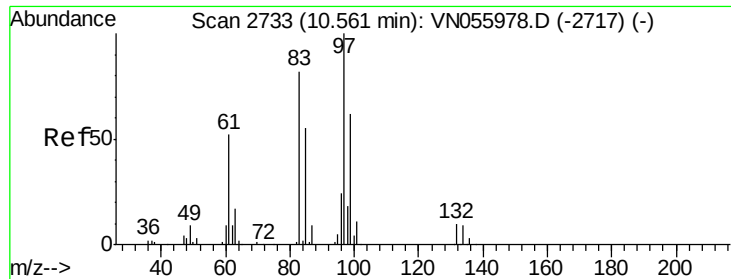
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 42.3 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 51.631 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

Tot Ion: 97 Resp: 147149

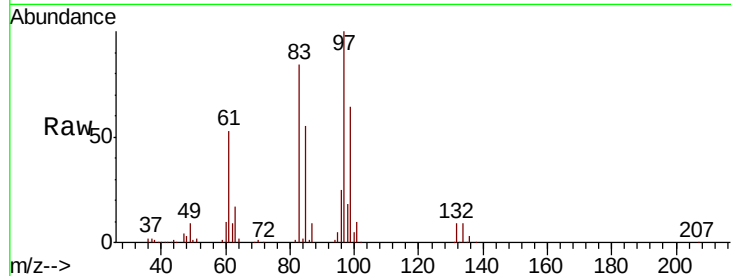
Ion Ratio Lower Upper

97 100

83 84.4 67.0 100.6

85 55.4 44.0 66.0

99 63.6 50.6 75.8



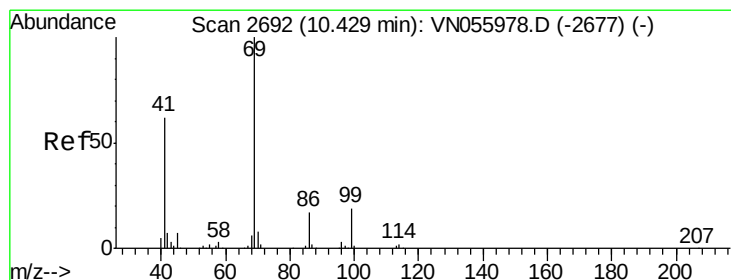
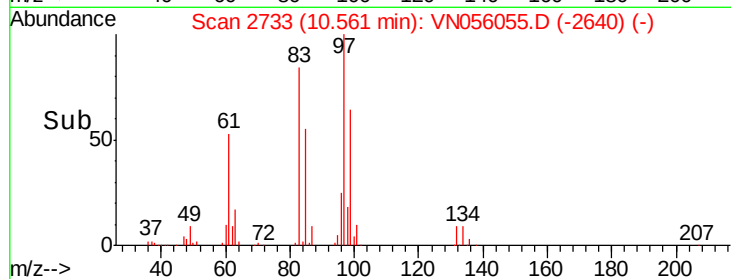
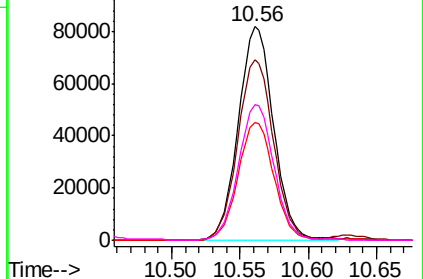
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 53.588 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

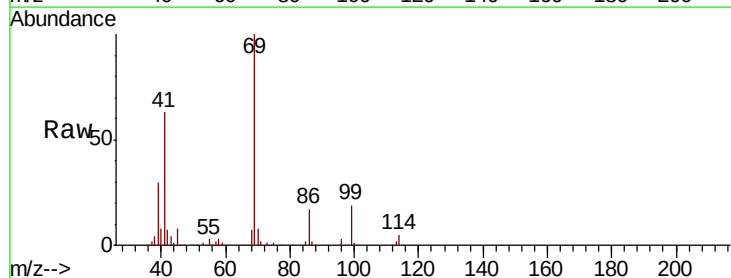
Tgt Ion: 69 Resp: 222813

Ion Ratio Lower Upper

69 100

41 61.7 49.7 74.5

39 29.4 24.7 37.1

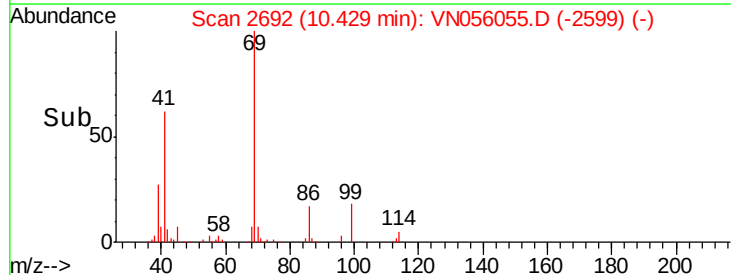
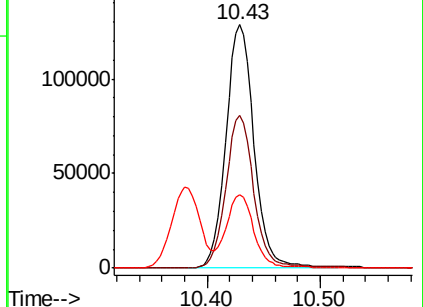


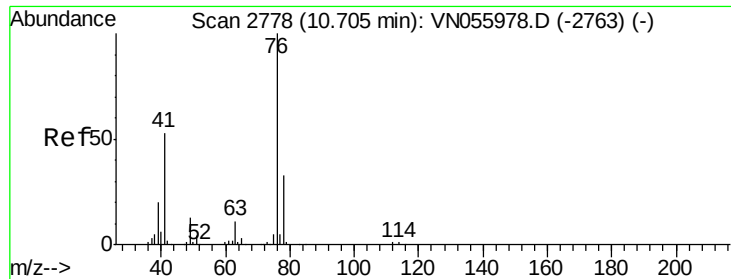
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 52.487 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

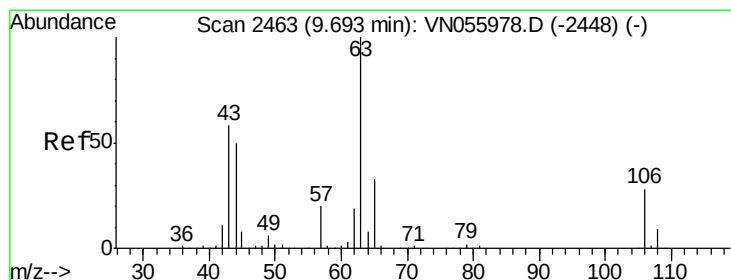
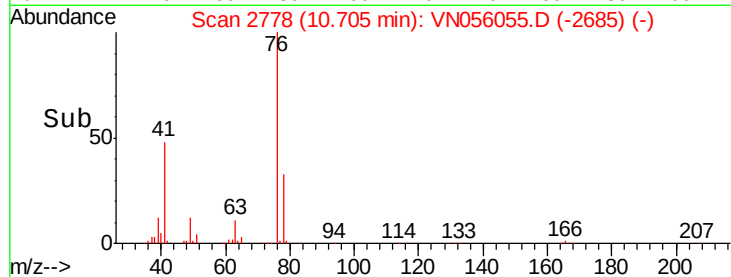
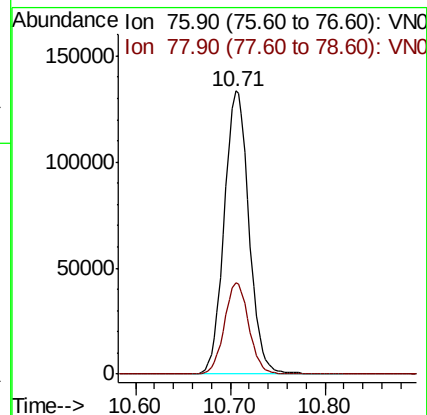
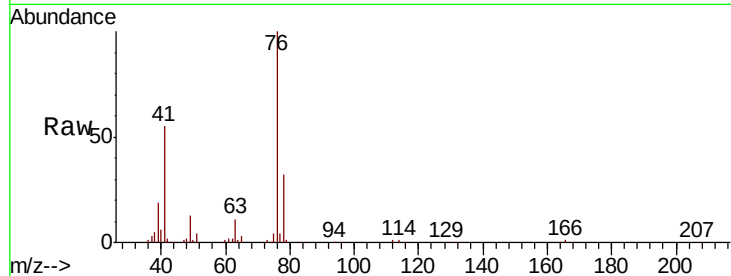
LF015RW050-190604MS

Tot Ion: 76 Resp: 243178

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 237.157 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056055.D

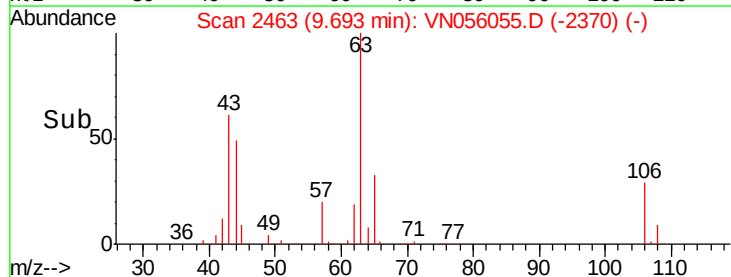
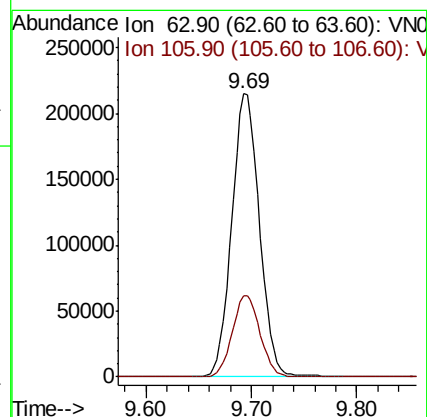
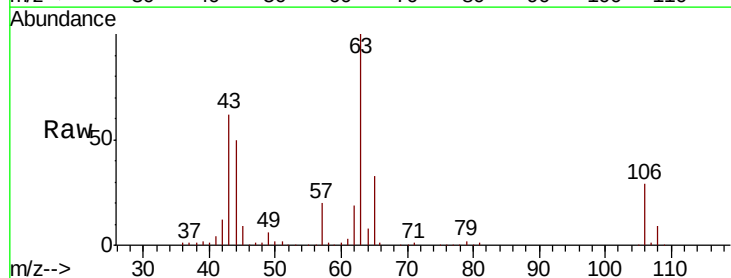
Acq: 6 Jun 2019 19:07

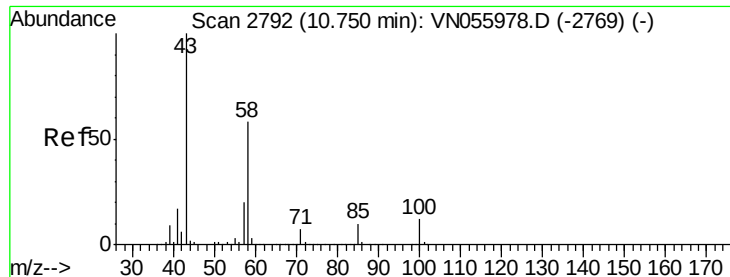
Tgt Ion: 63 Resp: 389621

Ion Ratio Lower Upper

63 100

106 28.8 22.7 34.1

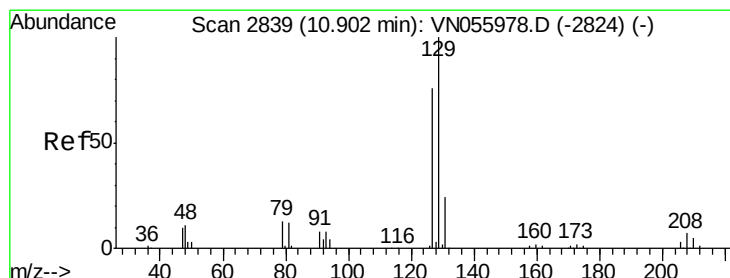
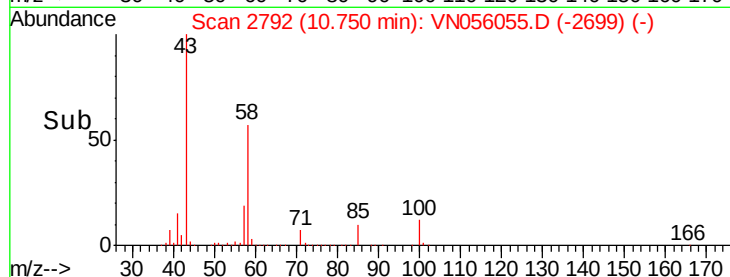
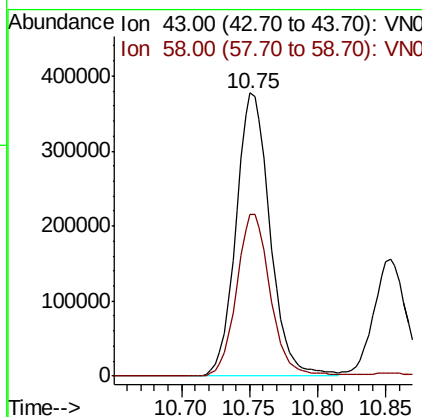
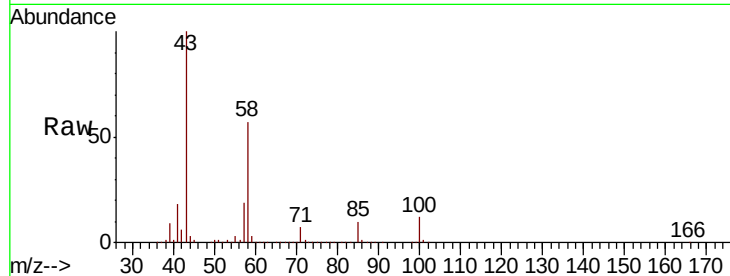




#59
2-Hexanone
Concen: 261.523 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

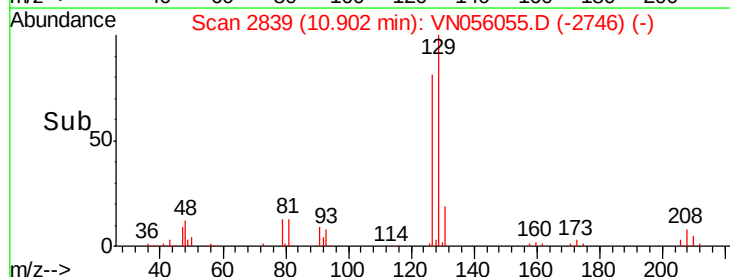
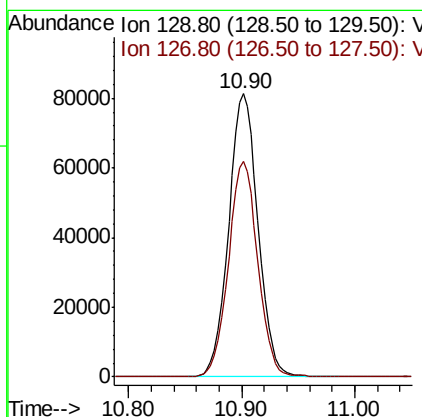
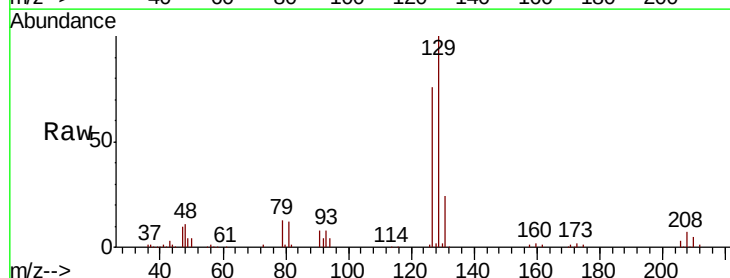
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

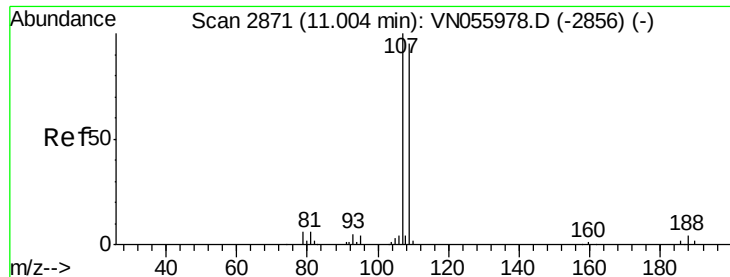
Tot Ion: 43 Resp: 650616
Ion Ratio Lower Upper
43 100
58 57.3 28.2 84.7



#60
Dibromochloromethane
Concen: 46.675 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 129 Resp: 146173
Ion Ratio Lower Upper
129 100
127 76.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 52.738 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

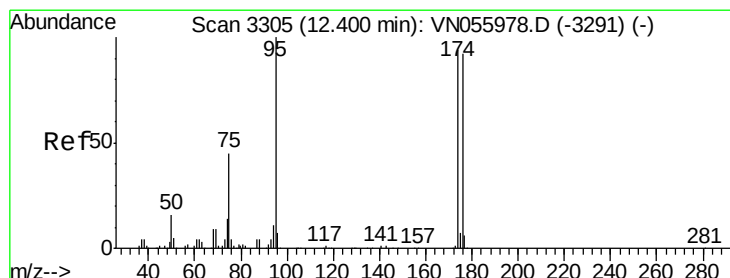
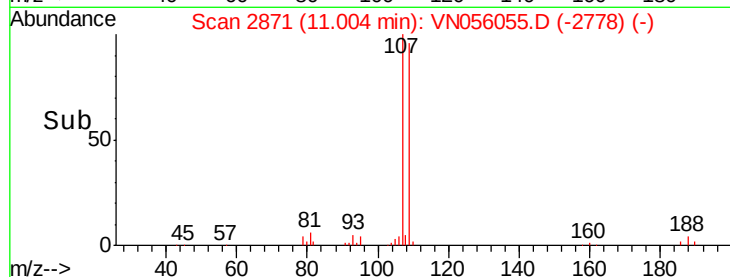
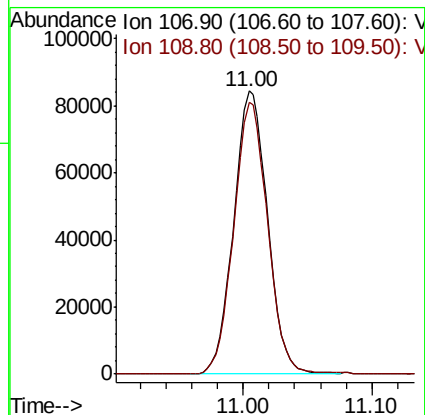
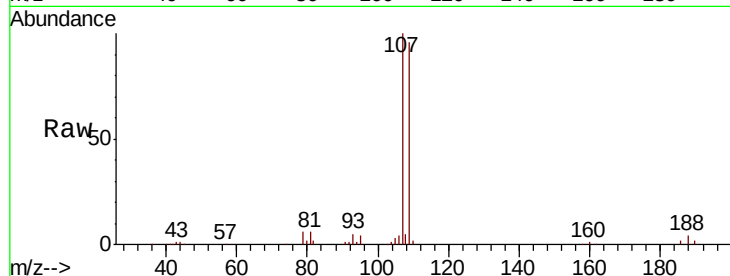
LF015RW050-190604MS

Tot Ion:107 Resp: 153657

Ion Ratio Lower Upper

107 100

109 96.0 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 50.887 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

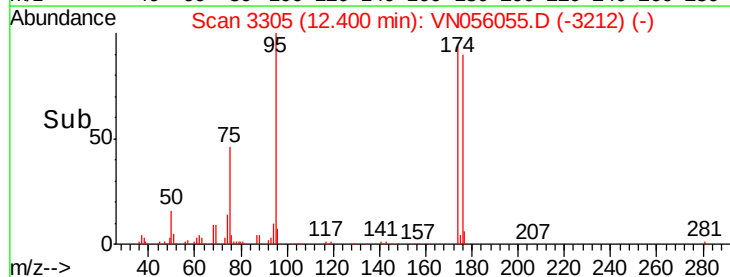
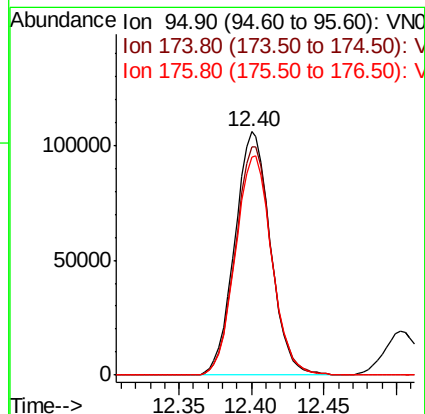
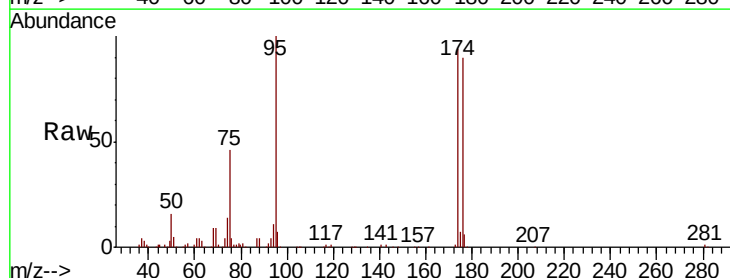
Tgt Ion: 95 Resp: 180886

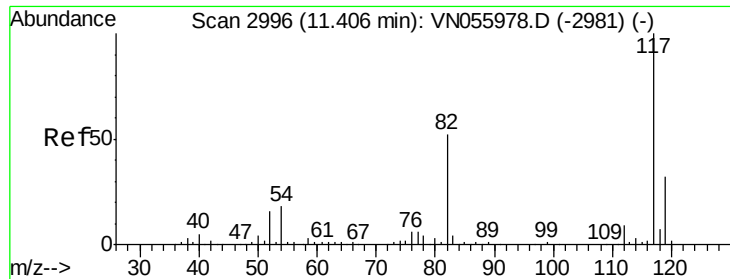
Ion Ratio Lower Upper

95 100

174 95.1 0.0 191.0

176 91.8 0.0 185.2

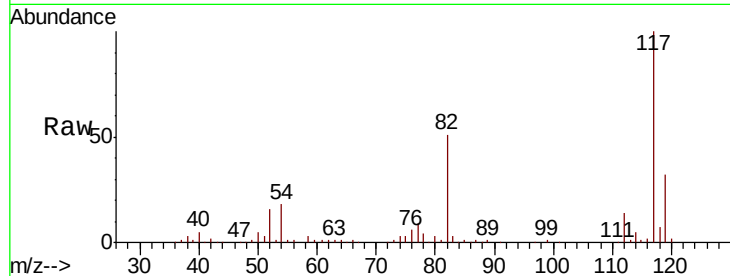




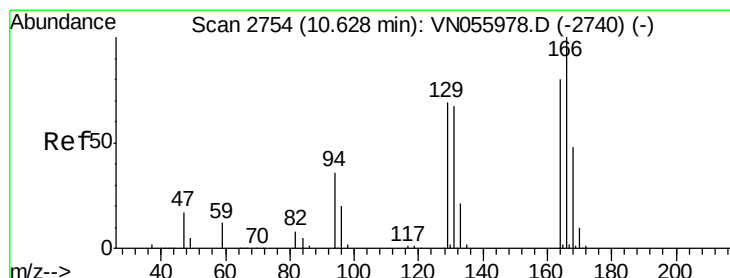
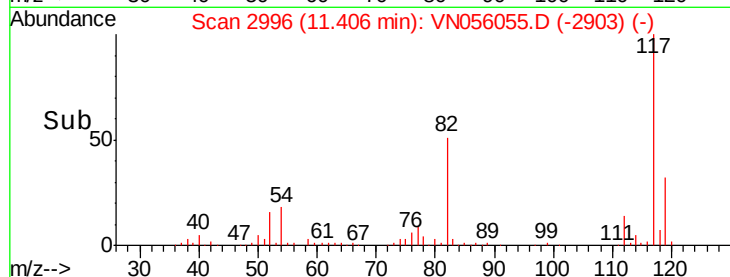
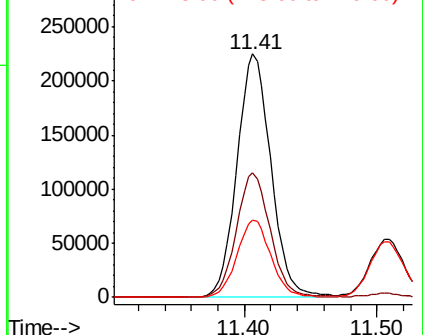
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion:117 Resp: 401025
Ion Ratio Lower Upper
117 100
82 51.1 41.8 62.8
119 31.7 25.4 38.0

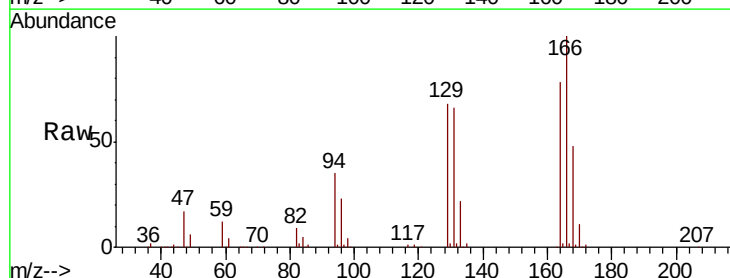


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

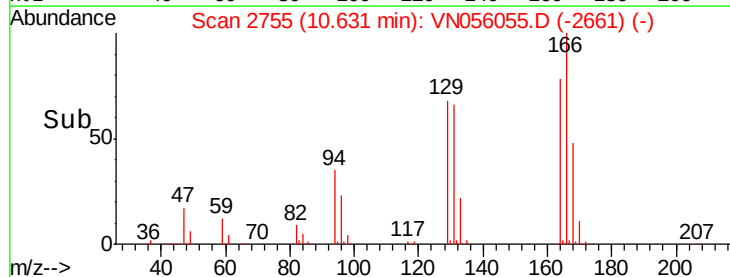
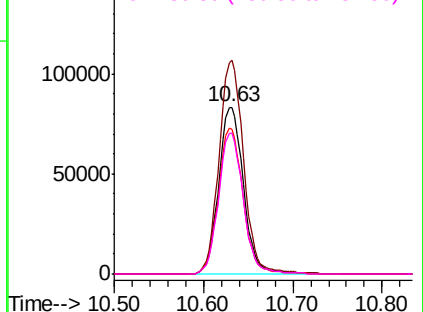


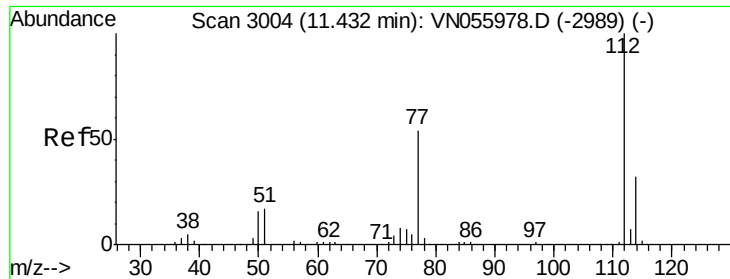
#64
Tetrachloroethene
Concen: 46.114 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion:164 Resp: 160078
Ion Ratio Lower Upper
164 100
166 128.0 103.0 154.6
129 86.9 70.6 105.8
131 84.1 68.6 102.8



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

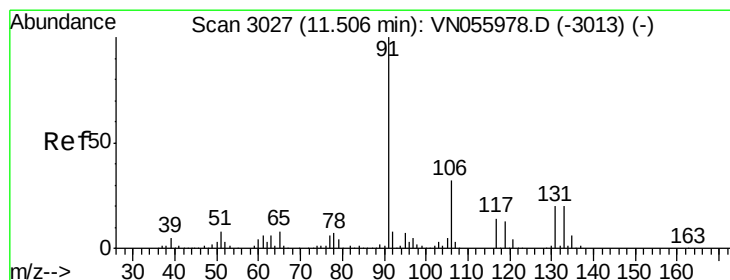
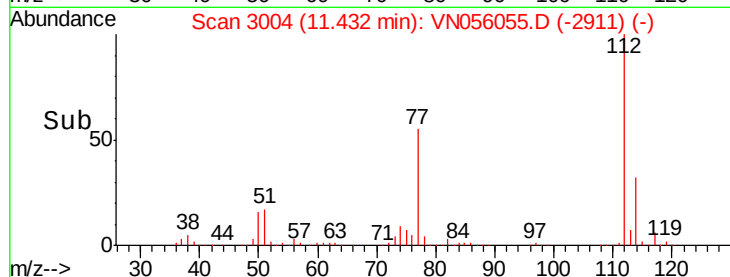
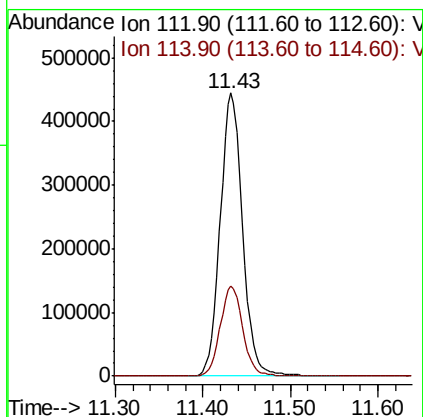
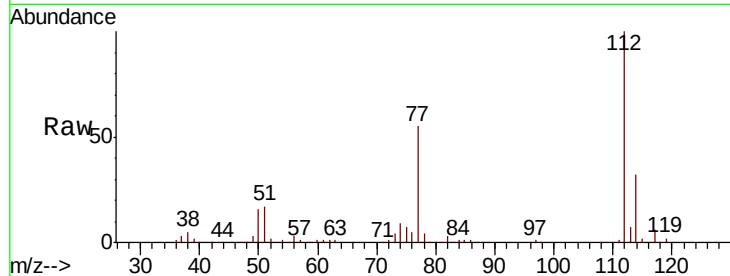




#65
Chlorobenzene
Concen: 98.630 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

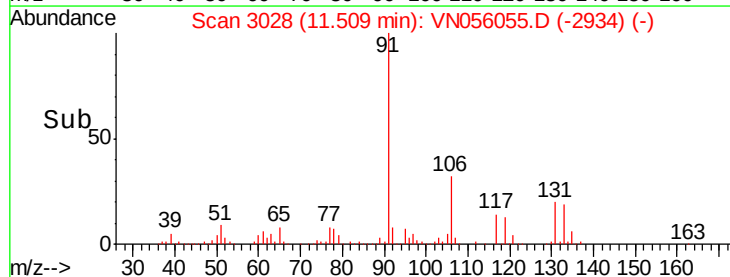
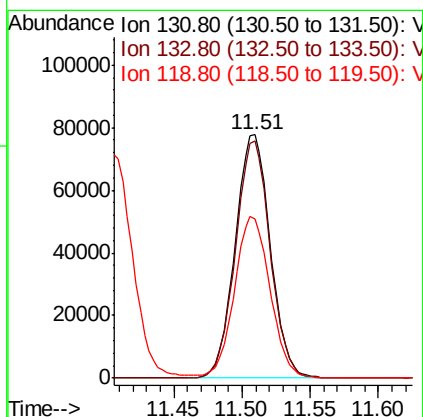
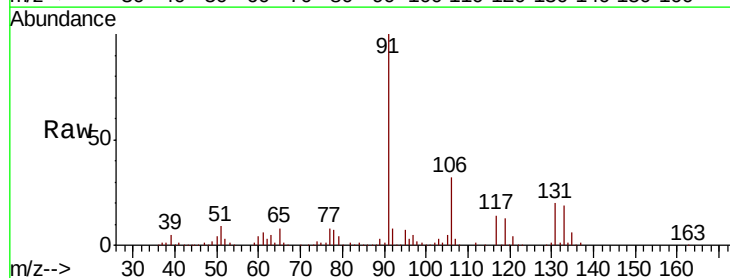
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

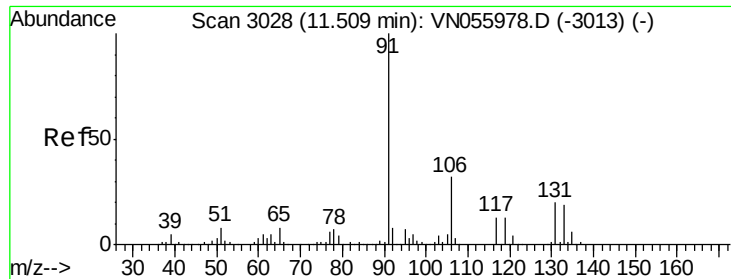
Tot Ion:112 Resp: 787186
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.488 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion:131 Resp: 139136
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 67.4 33.1 99.5

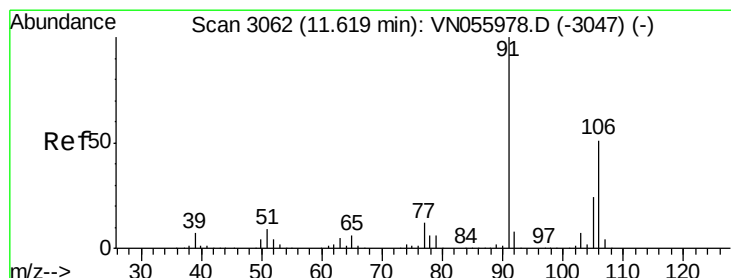
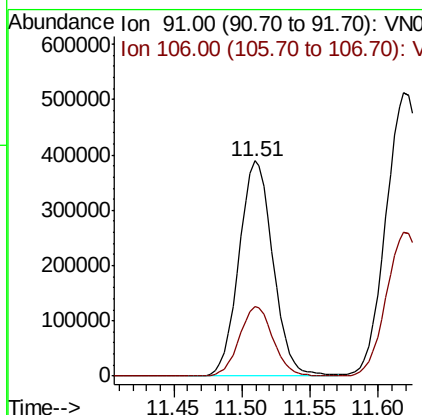
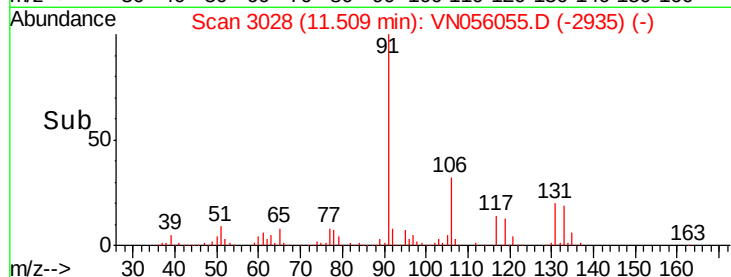
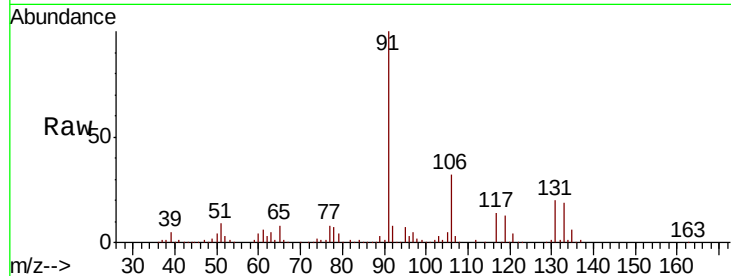




#67
Ethyl Benzene
Concen: 48.784 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

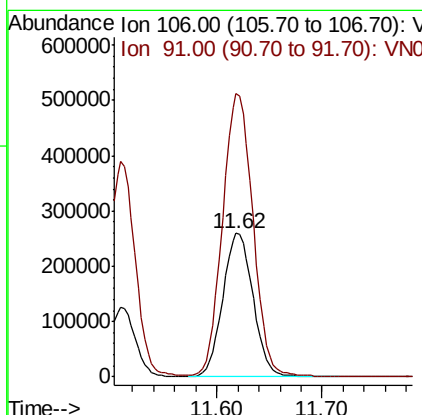
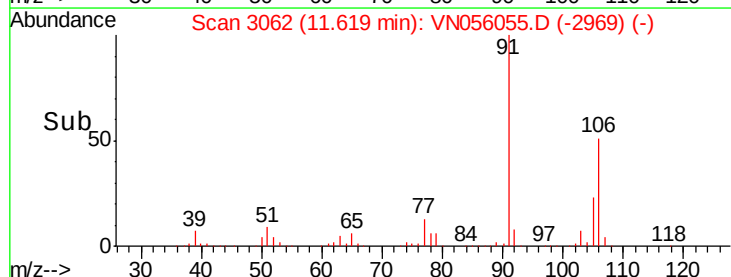
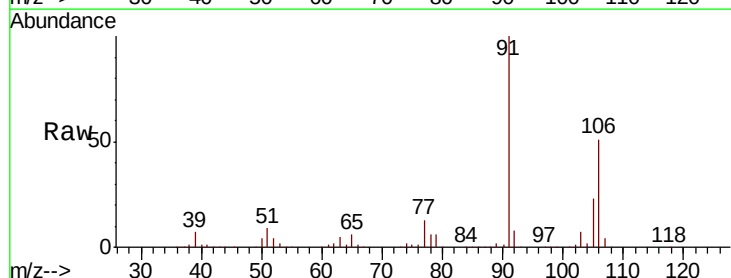
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

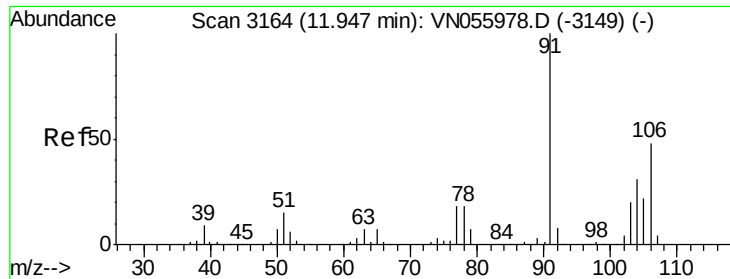
Tot Ion: 91 Resp: 677023
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 97.403 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 106 Resp: 516386
Ion Ratio Lower Upper
106 100
91 198.3 159.3 238.9

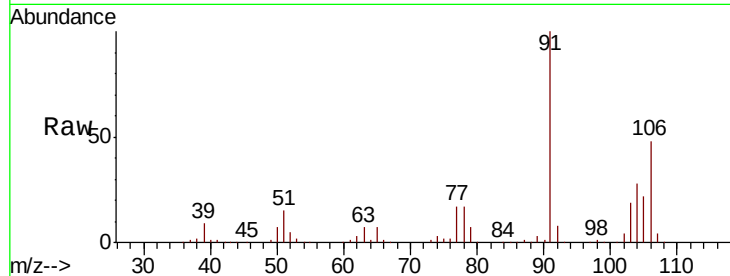




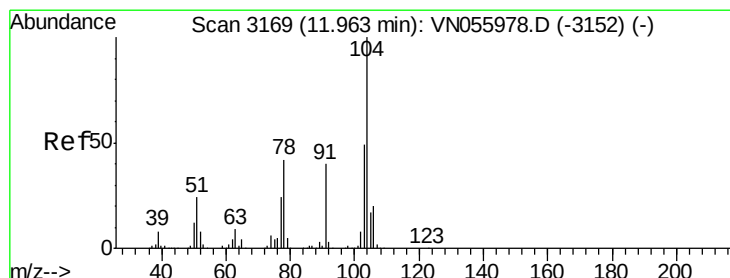
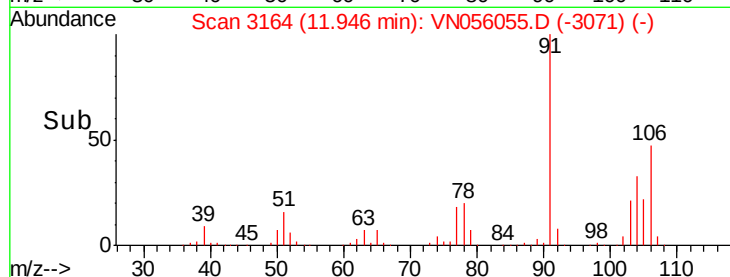
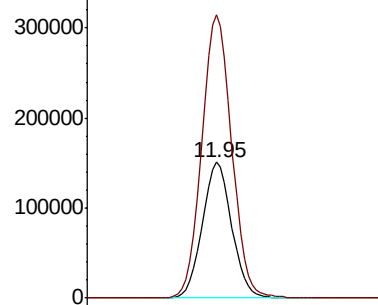
#69
o-Xylene
Concen: 48.730 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion:106 Resp: 254124
Ion Ratio Lower Upper
106 100
91 211.4 104.7 314.1

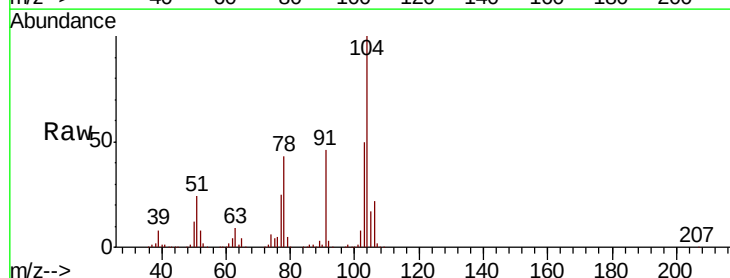


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

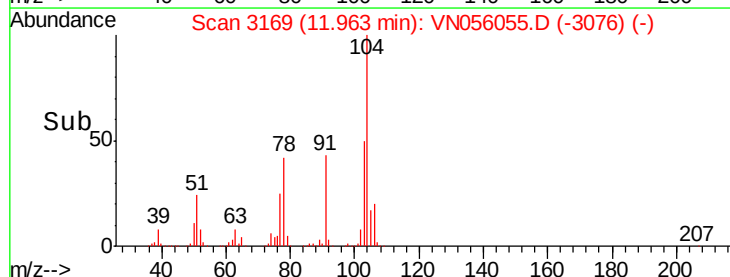
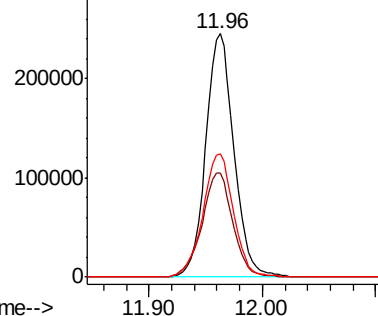


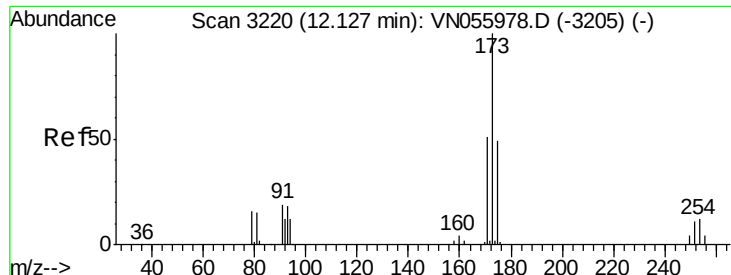
#70
Styrene
Concen: 51.335 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion:104 Resp: 425351
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 54.9 44.2 66.2



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





#71

Bromoform

Concen: 44.800 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

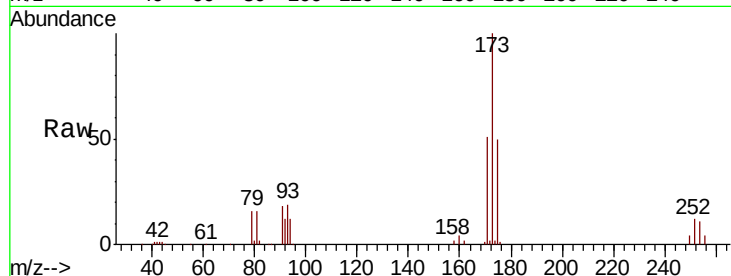
Tot Ion:173 Resp: 102955

Ion Ratio Lower Upper

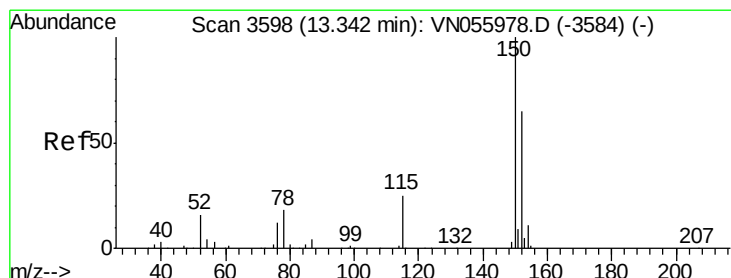
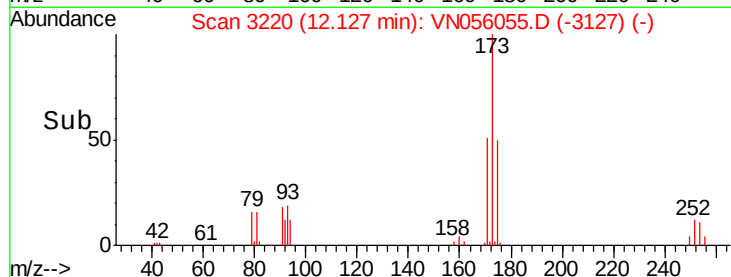
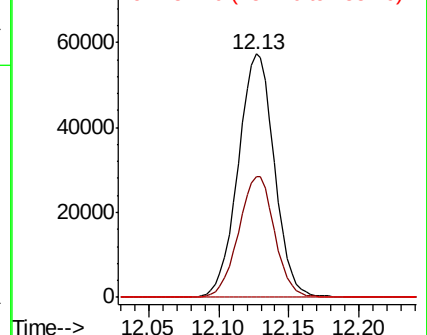
173 100

175 49.3 24.3 72.8

254 0.0 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: VN056055.D

Acq: 6 Jun 2019 19:07

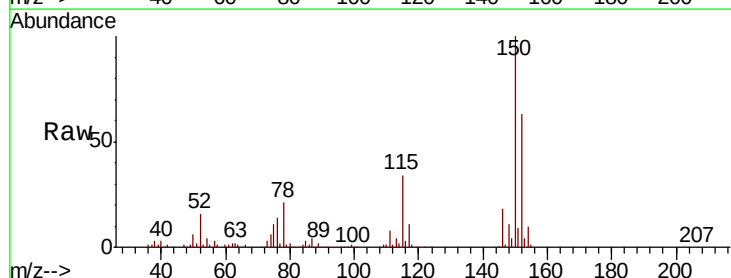
Tgt Ion:152 Resp: 179187

Ion Ratio Lower Upper

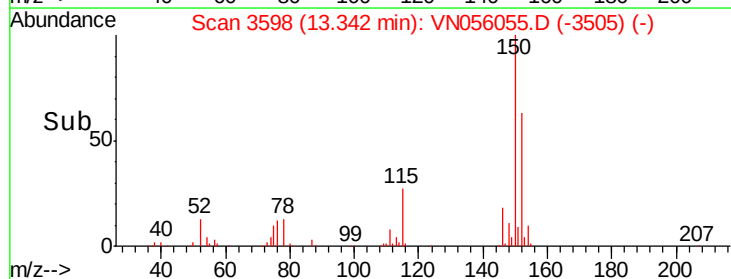
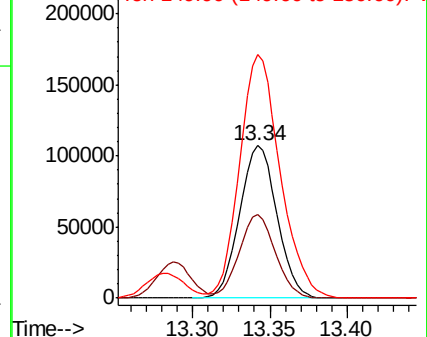
152 100

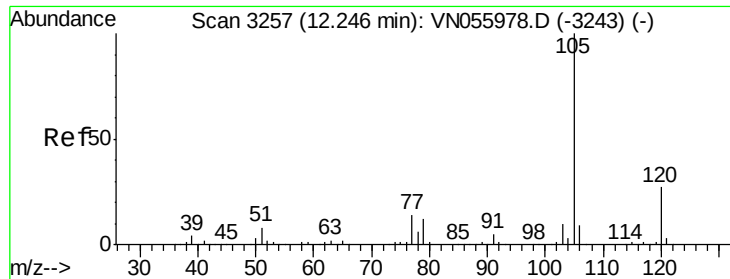
115 53.1 27.0 81.0

150 173.9 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: 52.133 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

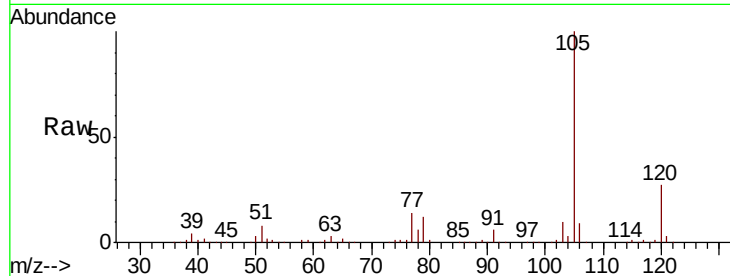
LF015RW050-190604MS

Tot Ion:105 Resp: 664548

Ion Ratio Lower Upper

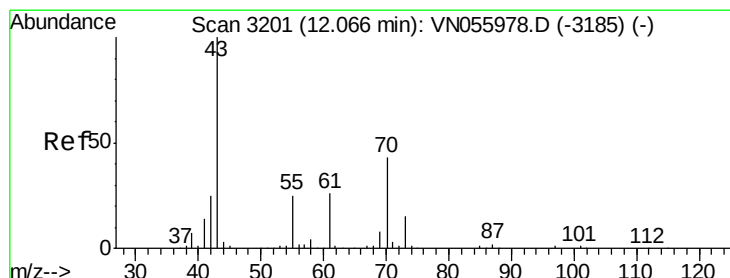
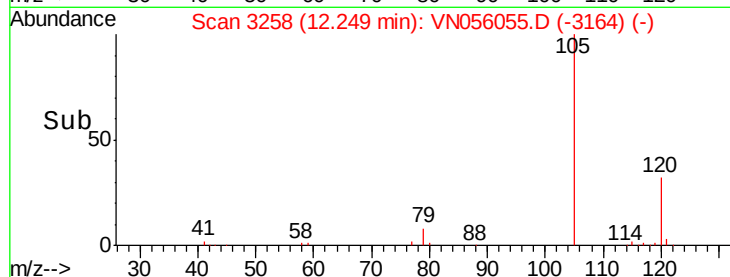
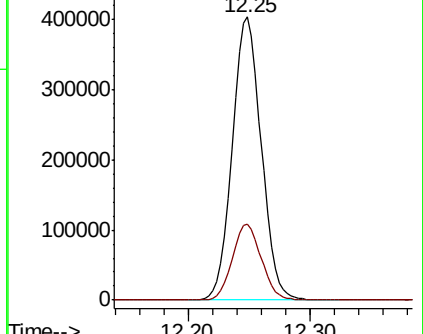
105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.690 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Tgt Ion: 43 Resp: 242120

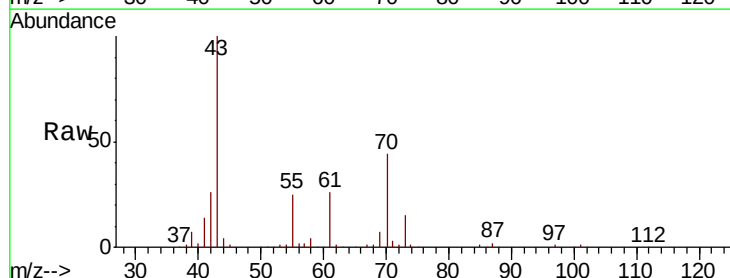
Ion Ratio Lower Upper

43 100

70 44.1 34.0 51.0

55 25.2 18.6 28.0

61 25.5 20.0 30.0

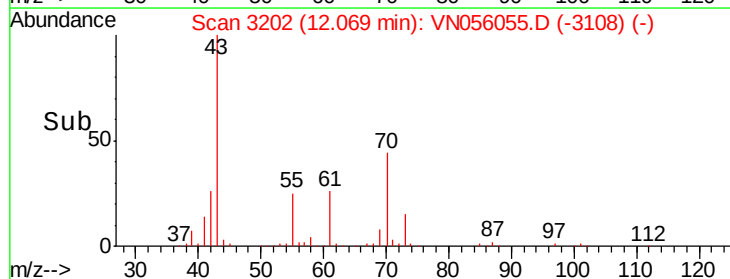
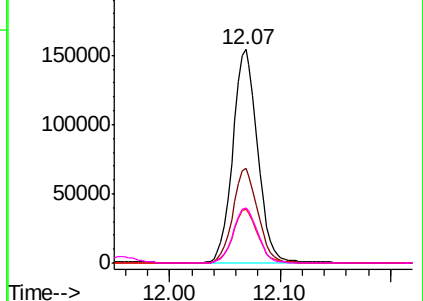


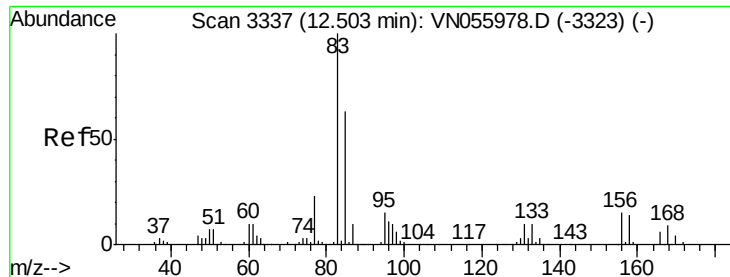
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.055 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

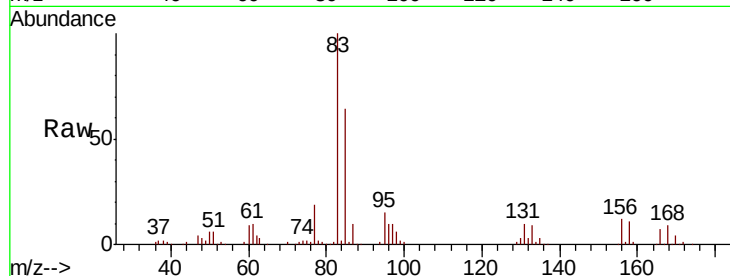
Tot Ion: 83 Resp: 208216

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

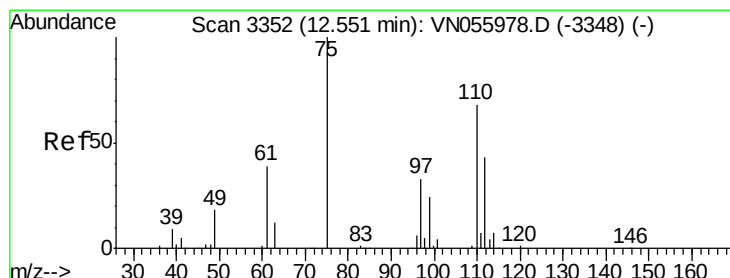
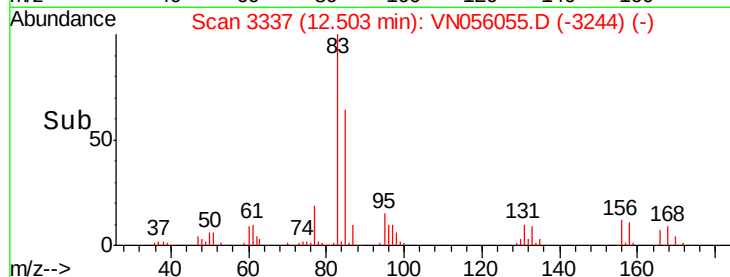
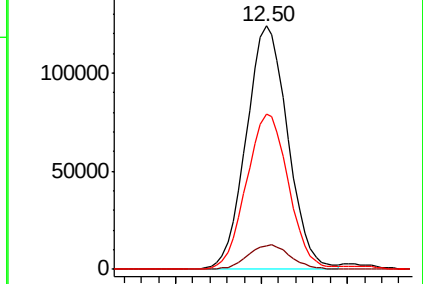
85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN056055.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN056055.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056055.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 71.520 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056055.D

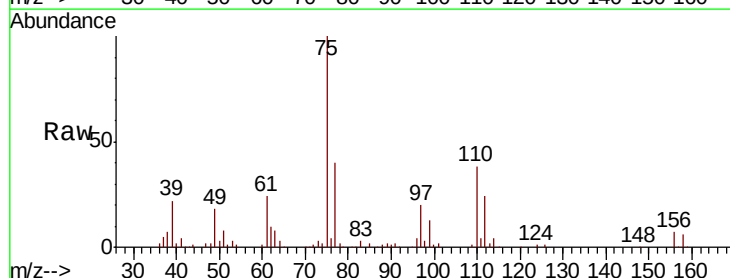
Acq: 6 Jun 2019 19:07

Tgt Ion: 75 Resp: 235810

Ion Ratio Lower Upper

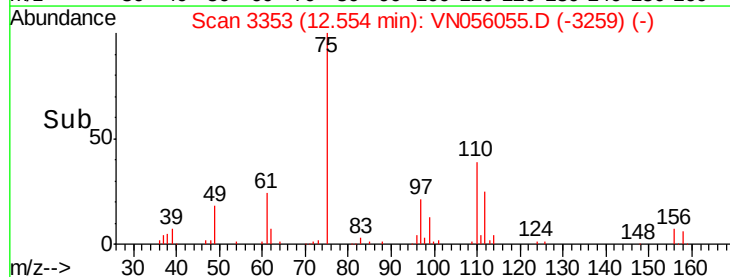
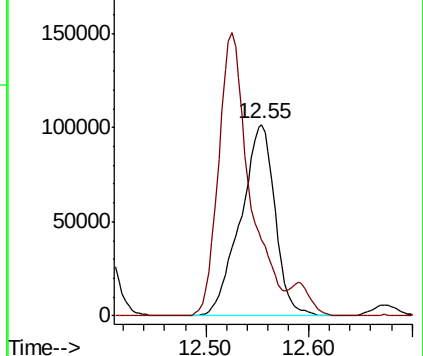
75 100

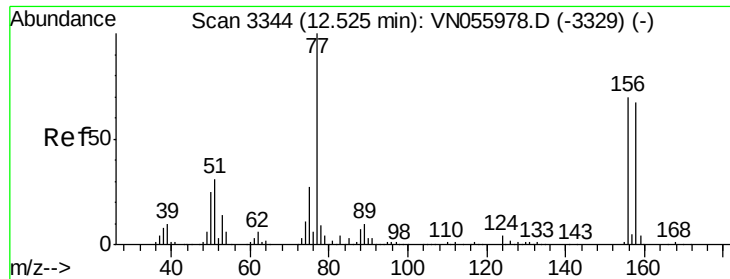
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056055.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056055.D (-3259) (-)





#77

Bromobenzene

Concen: 47.554 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

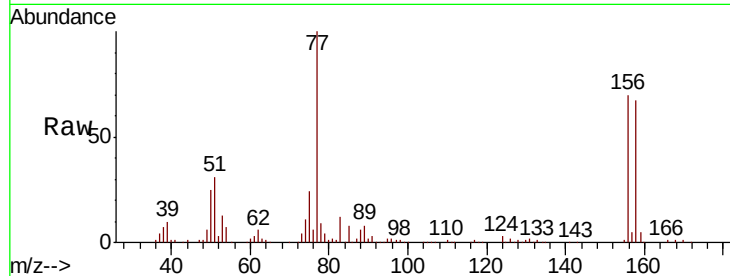
Tot Ion:156 Resp: 182435

Ion Ratio Lower Upper

156 100

77 173.9 90.8 272.5

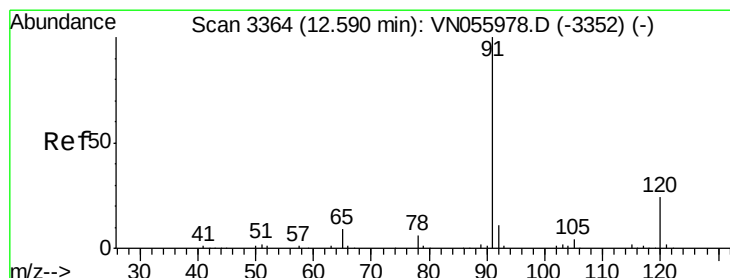
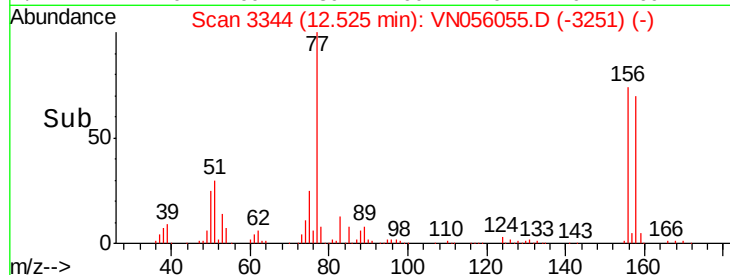
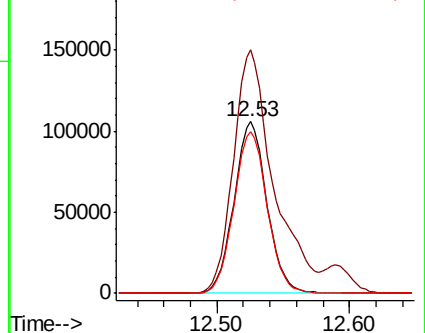
158 95.4 49.3 147.8



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: 46.680 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056055.D

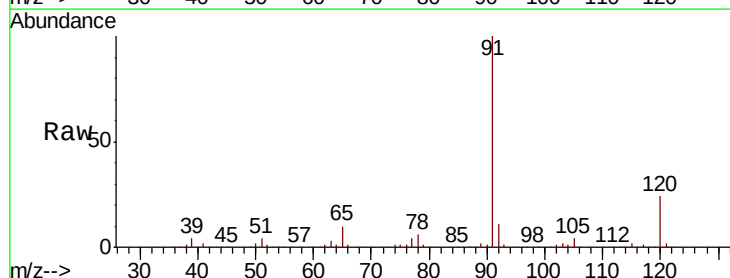
Acq: 6 Jun 2019 19:07

Tgt Ion: 91 Resp: 707626

Ion Ratio Lower Upper

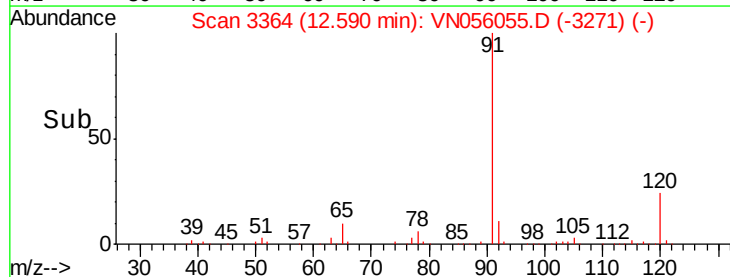
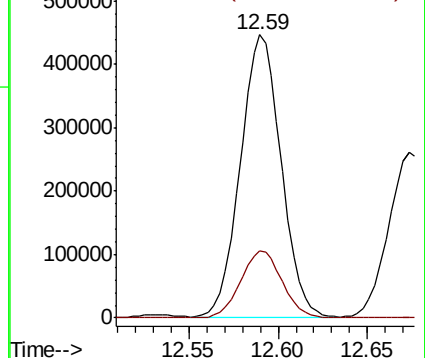
91 100

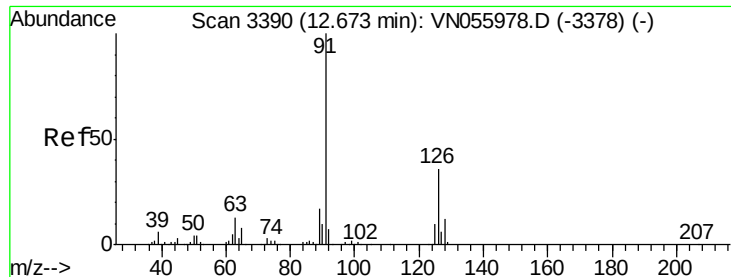
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.008 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

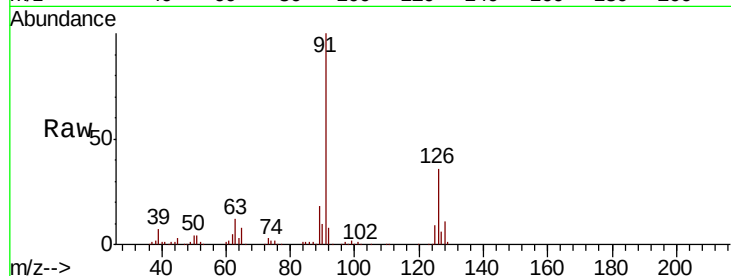
LF015RW050-190604MS

Tot Ion: 91 Resp: 436515

Ion Ratio Lower Upper

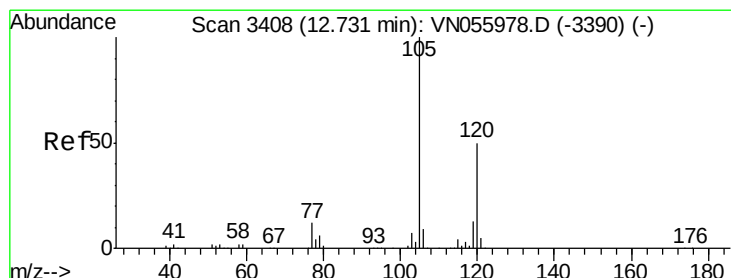
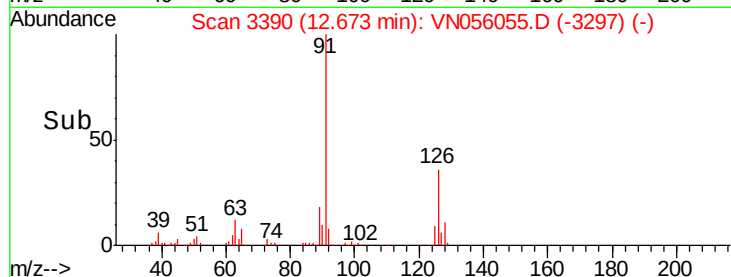
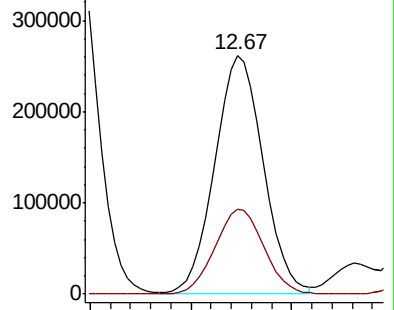
91 100

126 36.4 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.523 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056055.D

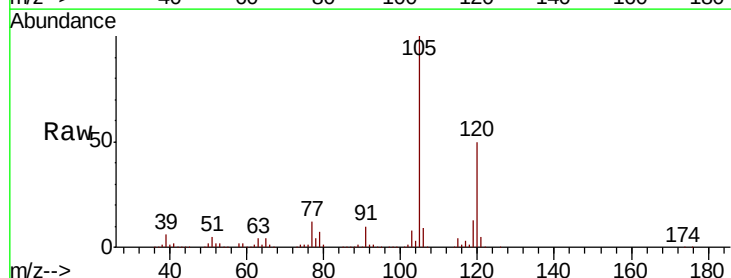
Acq: 6 Jun 2019 19:07

Tgt Ion: 105 Resp: 548456

Ion Ratio Lower Upper

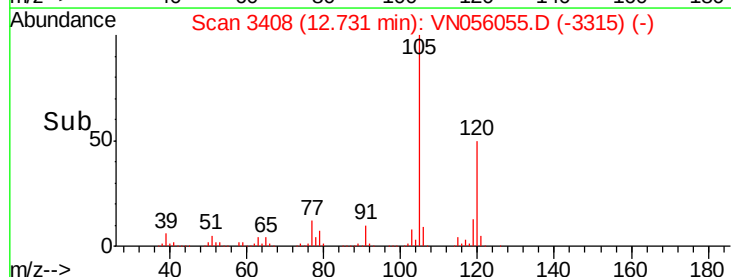
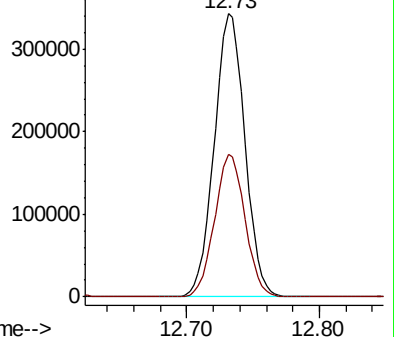
105 100

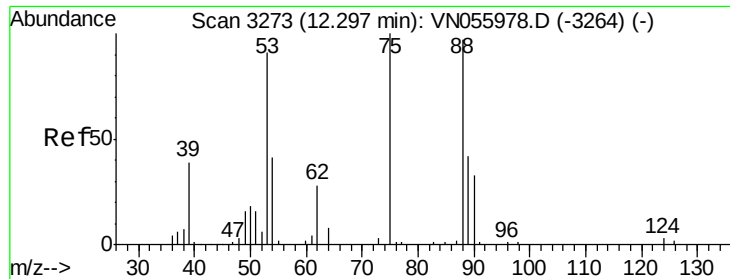
120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

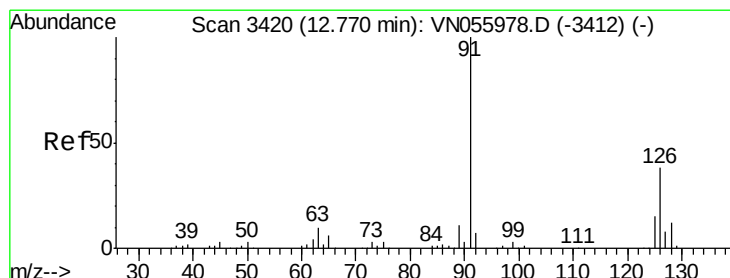
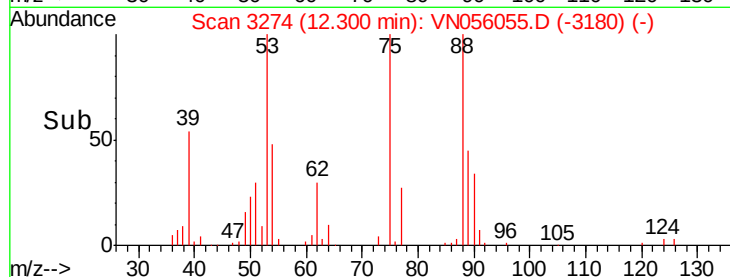
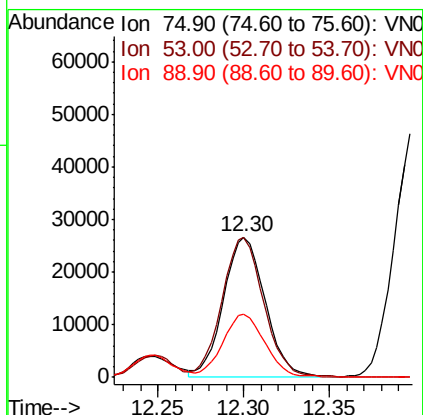
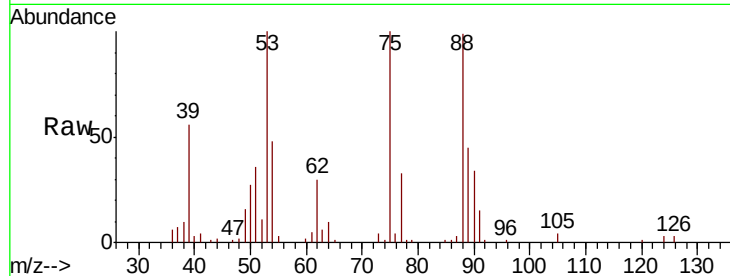




#81
trans-1,4-Dichloro-2-butene
Concen: 45.477 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

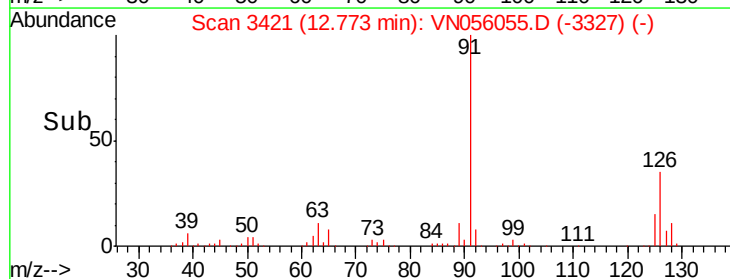
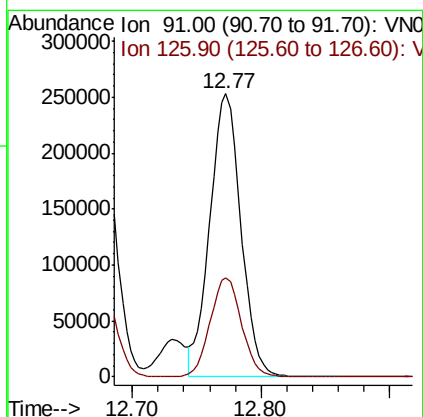
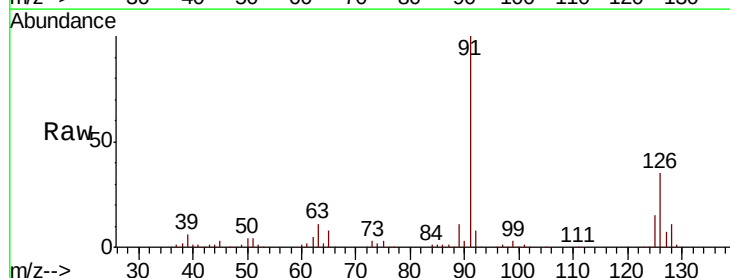
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

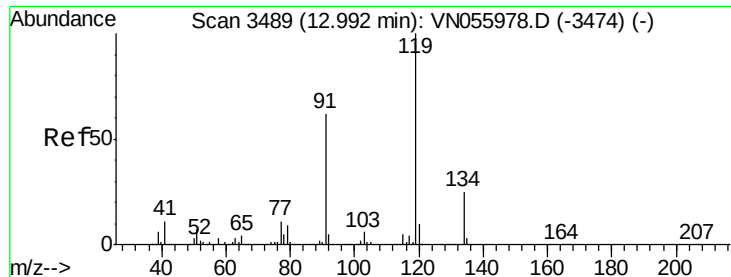
Tot Ion: 75 Resp: 45025
Ion Ratio Lower Upper
75 100
53 100.4 68.1 102.1
89 45.7 36.9 55.3



#82
4-Chlorotoluene
Concen: 47.779 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 91 Resp: 423744
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.3

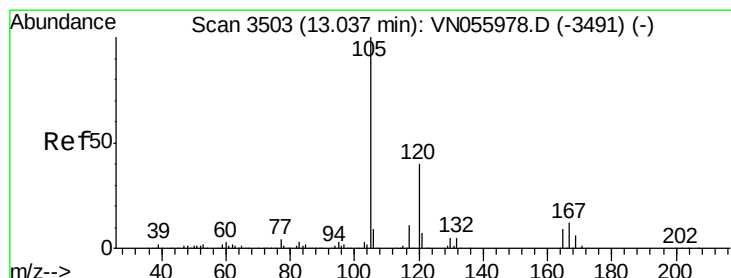
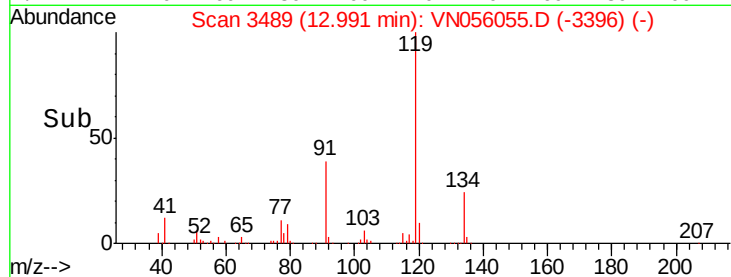
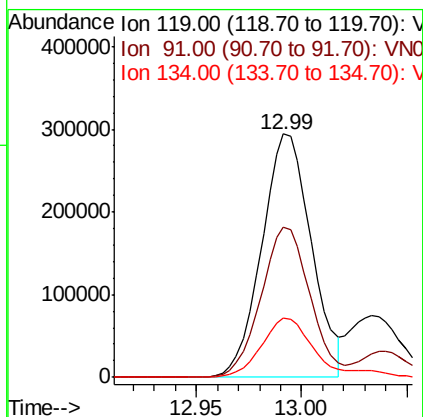
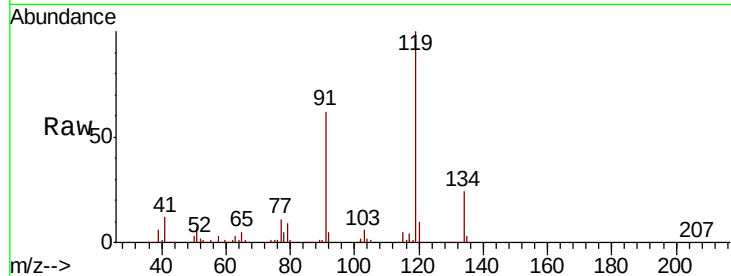




#83
 tert-Butylbenzene
 Concen: 51.587 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

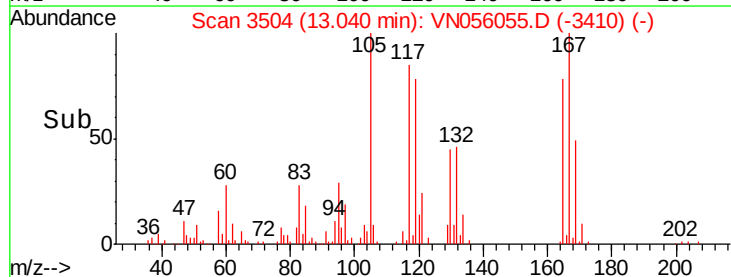
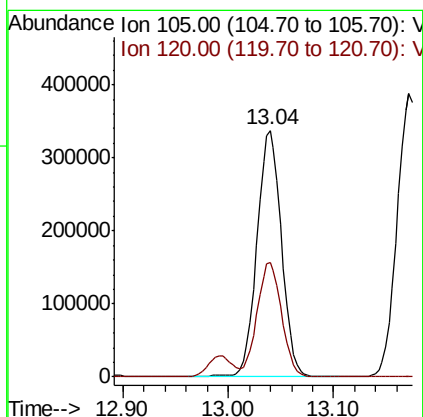
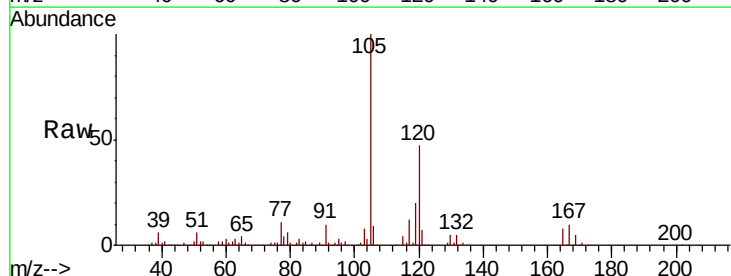
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

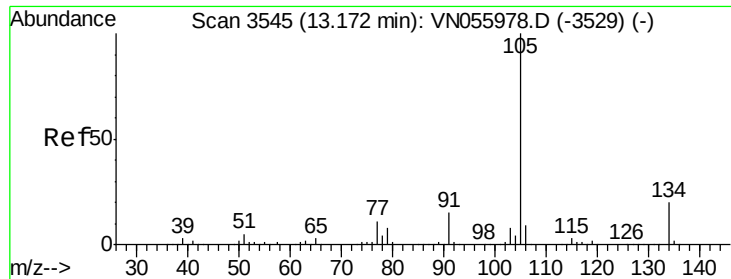
Tot Ion:119 Resp: 481415
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.9 92.8
 134 26.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.856 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion:105 Resp: 546747
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 46.405 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

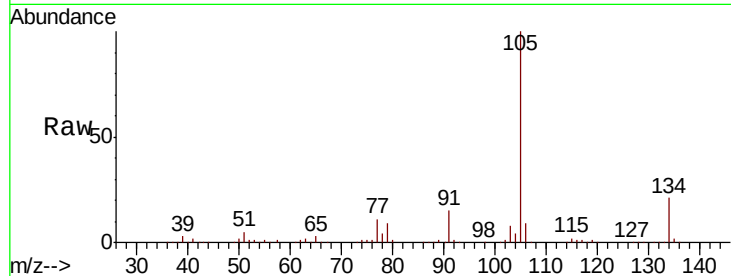
LF015RW050-190604MS

Tot Ion:105 Resp: 622983

Ion Ratio Lower Upper

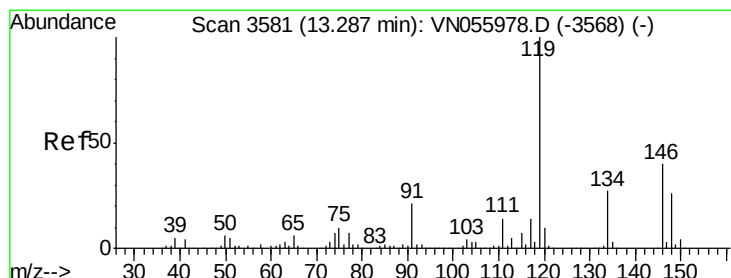
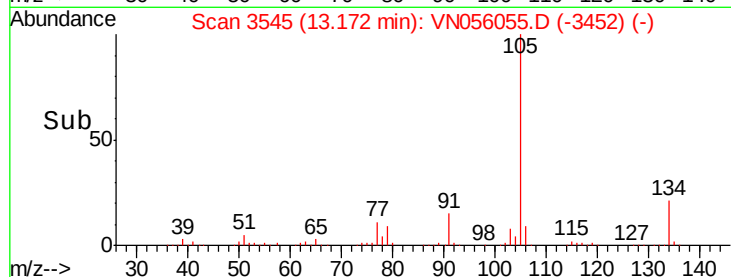
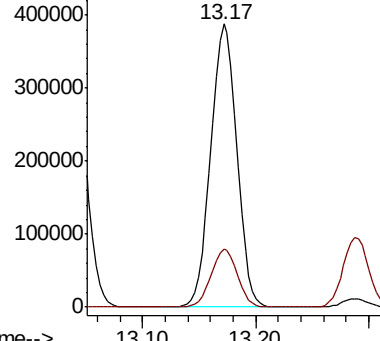
105 100

134 20.7 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.456 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

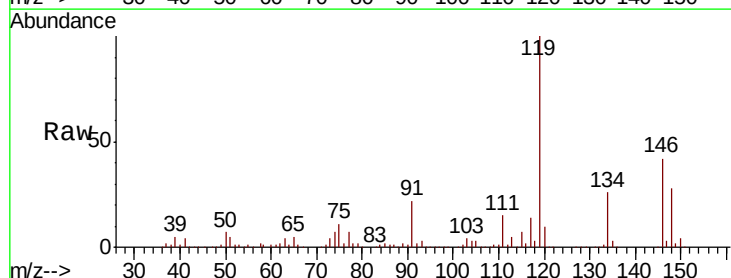
Tgt Ion:119 Resp: 558151

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

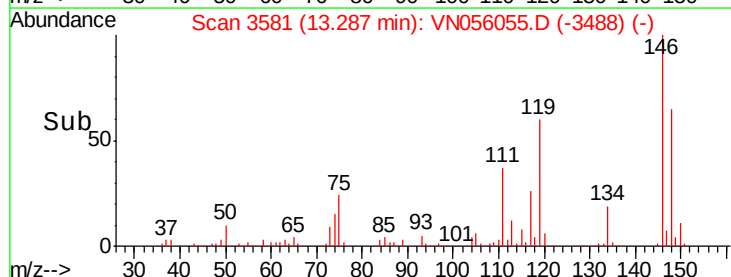
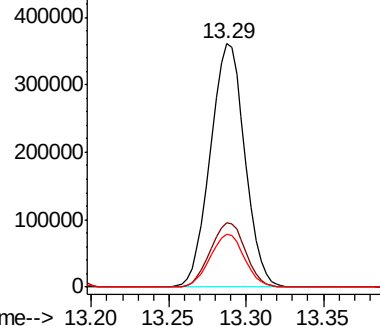
91 21.8 10.9 32.9

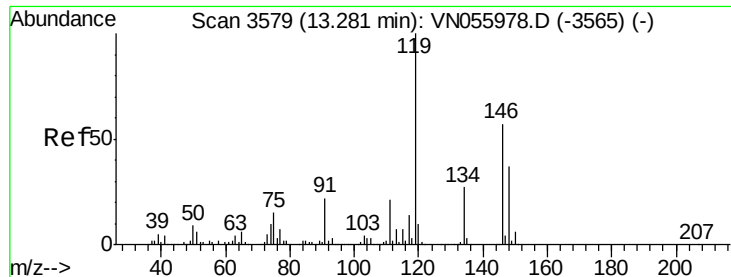


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.548 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

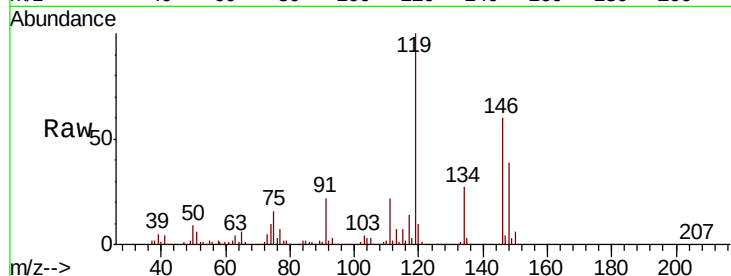
Tot Ion:146 Resp: 288254

Ion Ratio Lower Upper

146 100

111 36.9 18.5 55.5

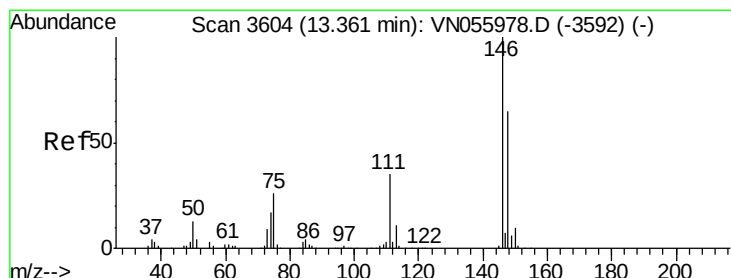
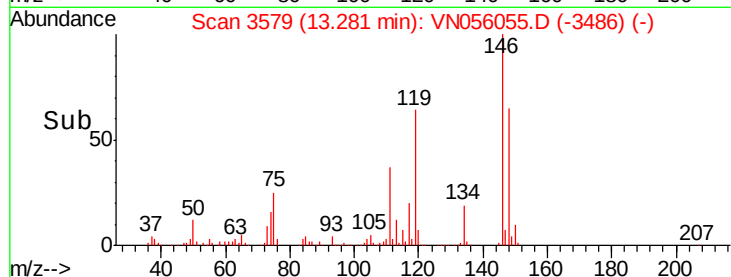
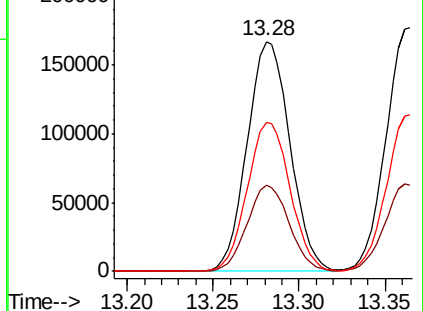
148 64.7 32.0 96.2



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: 52.229 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

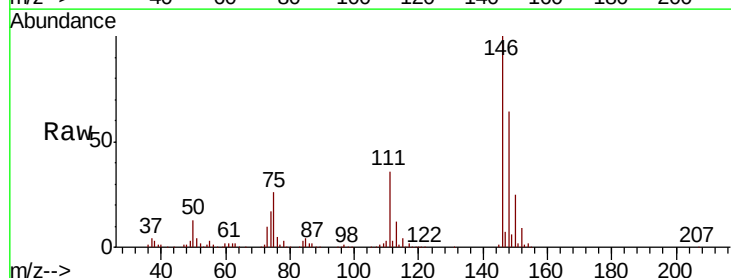
Tgt Ion:146 Resp: 298318

Ion Ratio Lower Upper

146 100

111 36.4 18.1 54.4

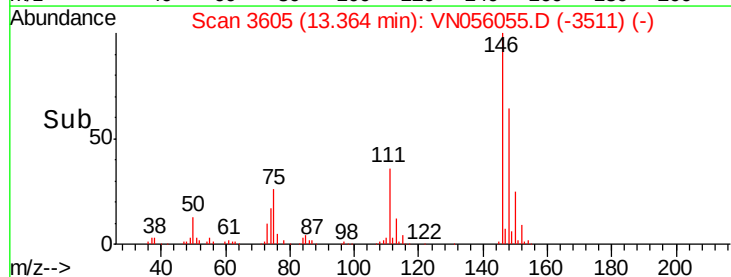
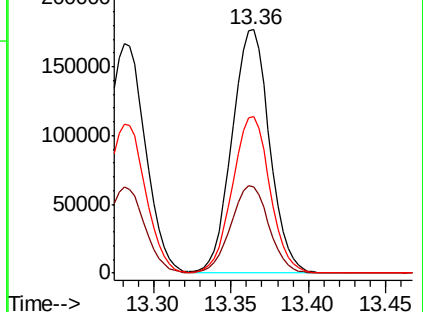
148 64.3 32.1 96.5

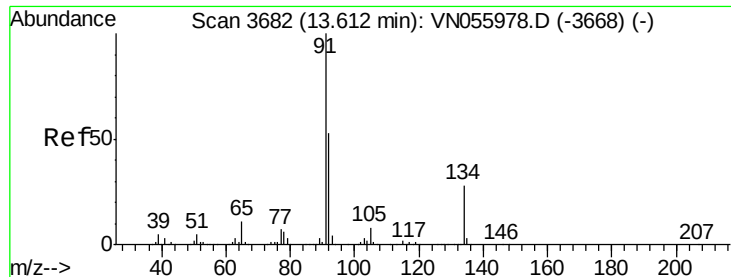


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

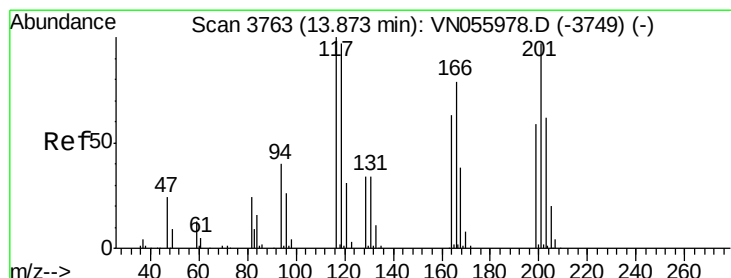
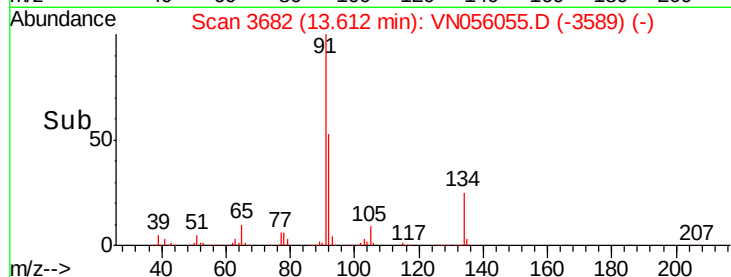
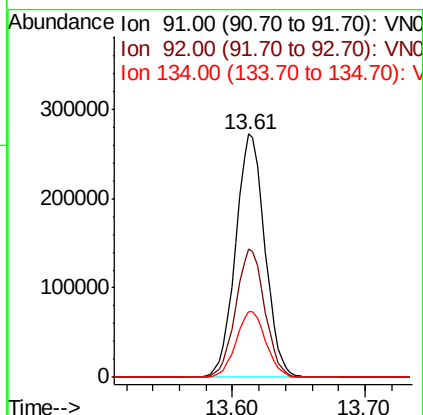
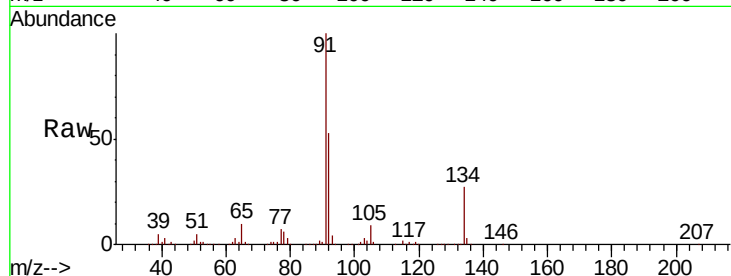




#89
n-Butylbenzene
Concen: 46.830 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

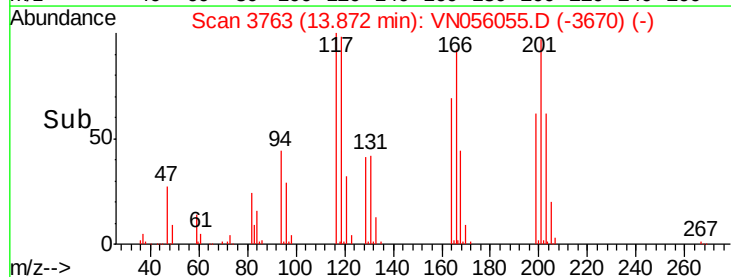
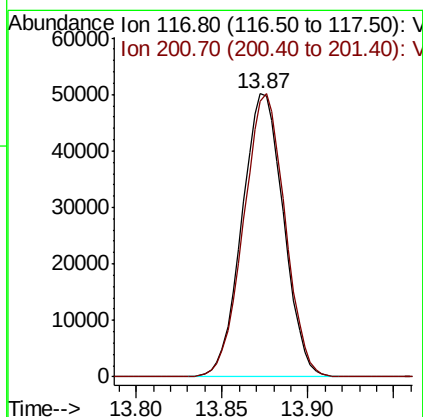
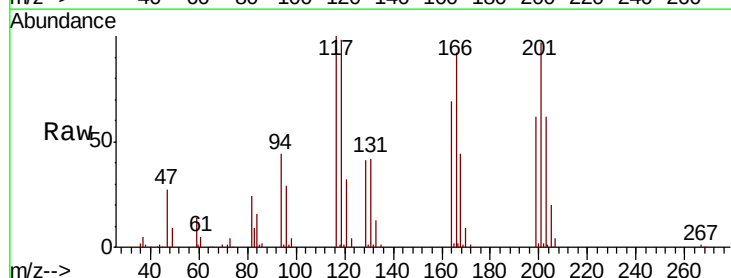
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

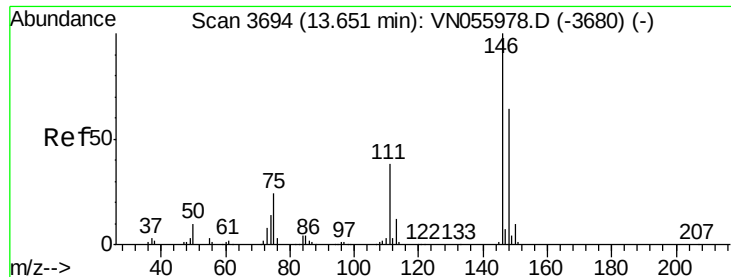
Tot Ion: 91 Resp: 416798
Ion Ratio Lower Upper
91 100
92 52.3 26.4 79.0
134 27.4 13.9 41.7



#90
Hexachloroethane
Concen: 46.564 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 117 Resp: 84370
Ion Ratio Lower Upper
117 100
201 99.1 50.0 150.0

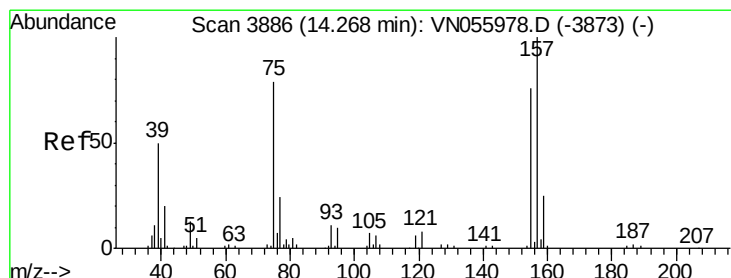
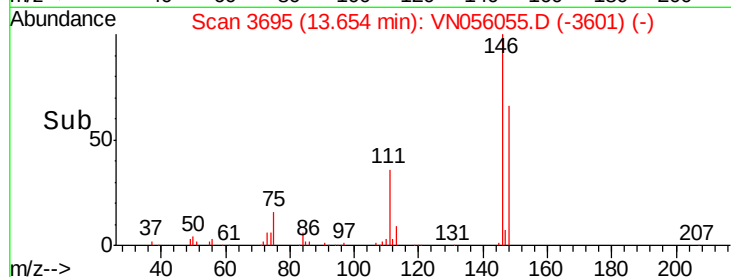
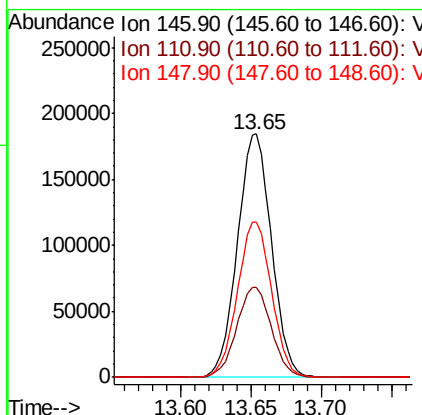
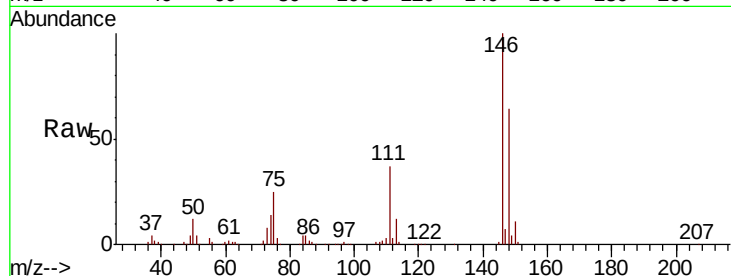




#91
 1,2-Dichlorobenzene
 Concen: 52.163 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

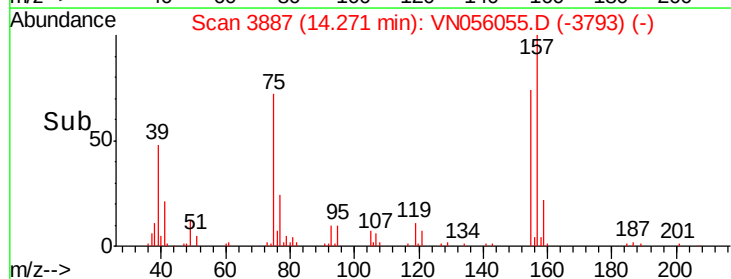
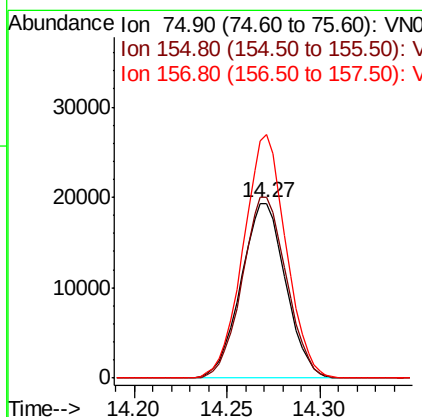
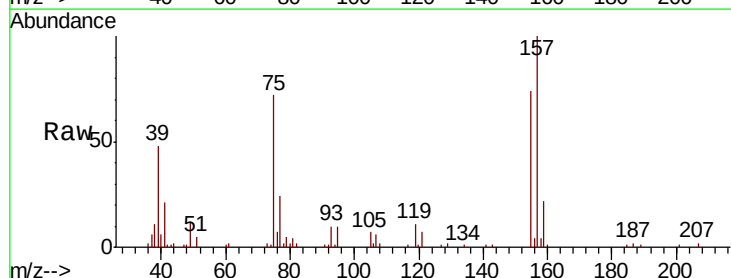
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

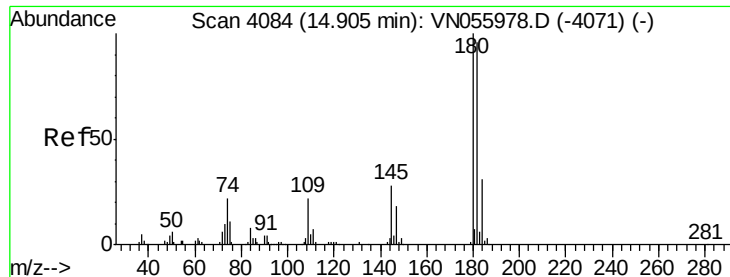
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	64.0	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.405 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	50.0	150.1
157	133.3	64.8	194.3

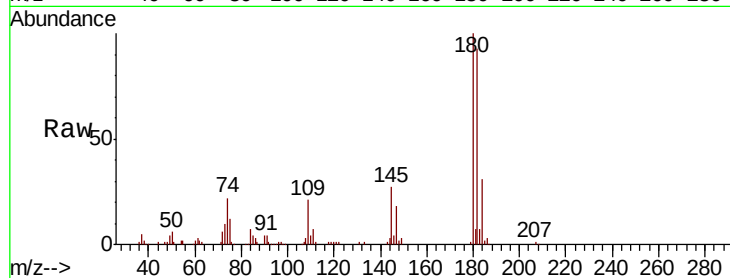




#93
 1,2,4-Trichlorobenzene
 Concen: 42.788 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.3	144.9
145	27.9	14.0	41.9

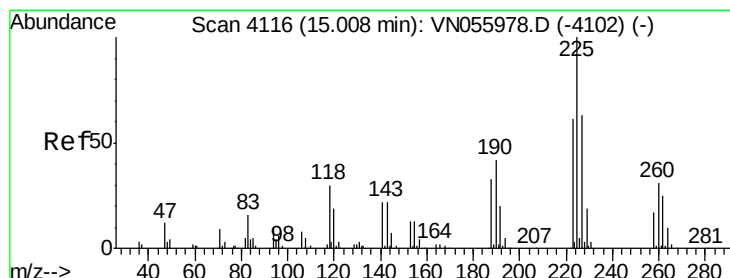
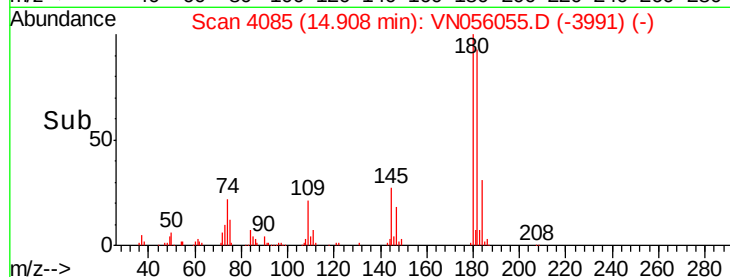
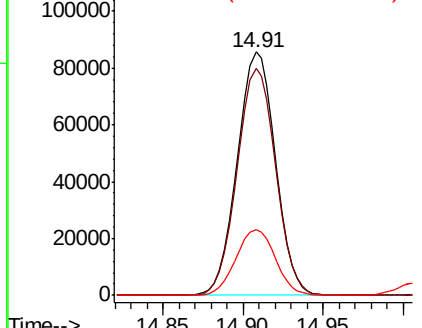


Abundance

Ion 179.80 (179.50 to 180.50): V

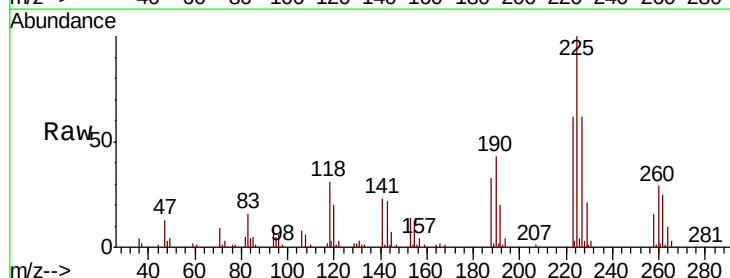
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.013 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.7
227	62.7	31.6	94.7

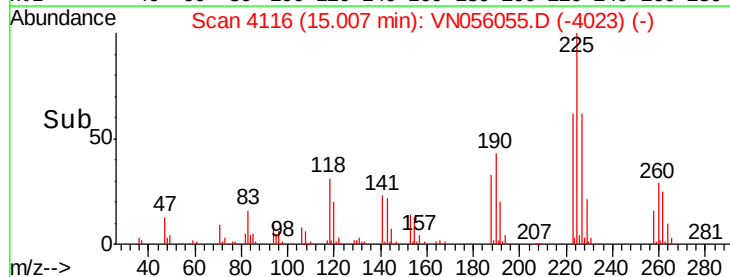
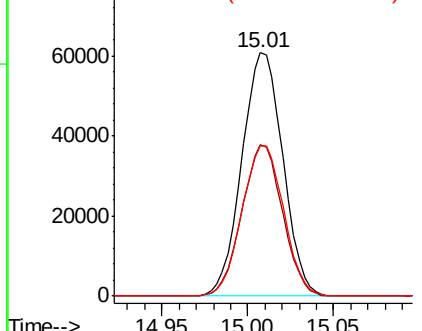


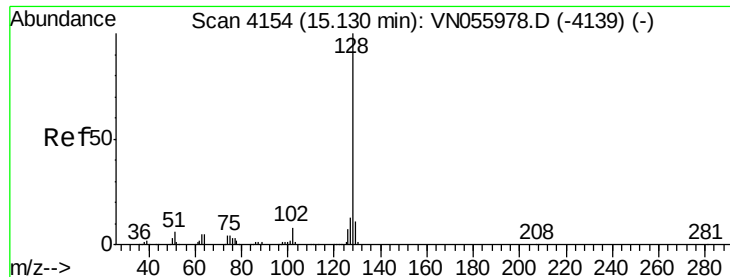
Abundance

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: 45.293 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

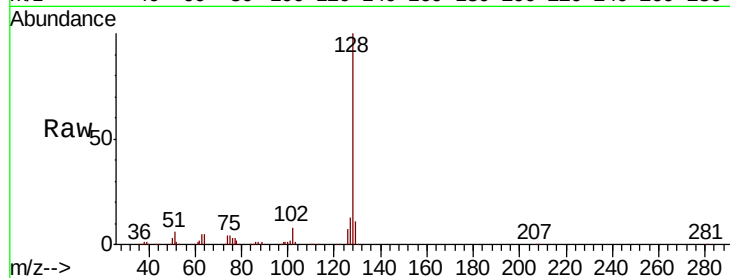
Tot Ion:128 Resp: 384820

Ion Ratio Lower Upper

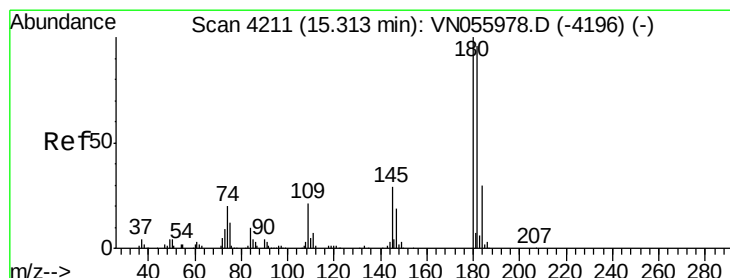
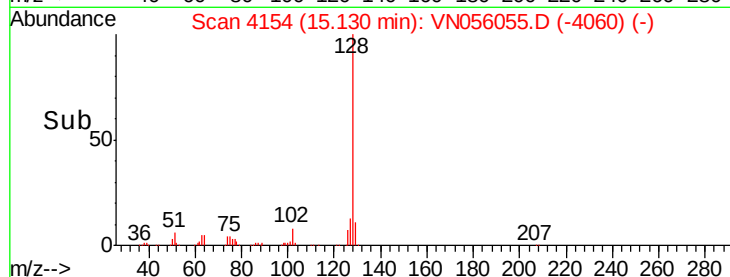
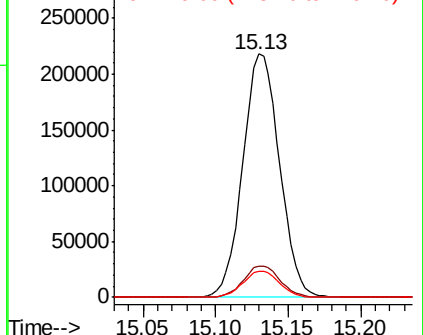
128 100

127 12.8 10.3 15.5

129 10.8 8.7 13.1



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: 45.357 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

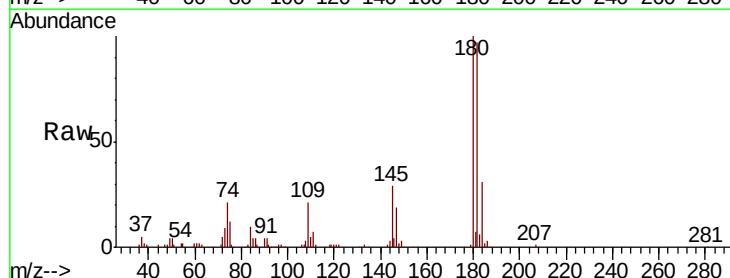
Tgt Ion:180 Resp: 151689

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.7

145 29.2 14.9 44.7



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

