

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056056.D
 Acq On : 6 Jun 2019 19:32
 Operator : JC/SP
 Sample : K3203-14MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

Quant Time: Jun 07 05:29:17 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	289505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	440237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	396773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	157299	54.72	ug/l	0.00
Spiked Amount			Recovery	=	109.44%	
35) Dibromofluoromethane	7.59	113	140997	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	10.09	98	541127	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.40	95	184606	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	162223	50.998	ug/l	99
3) Chloromethane	2.06	50	170116	54.207	ug/l	99
4) Vinyl Chloride	2.18	62	180310	57.279	ug/l	99
5) Bromomethane	2.52	94	99102	49.837	ug/l	98
6) Chloroethane	2.68	64	85379	46.779	ug/l	98
7) Trichlorofluoromethane	3.00	101	206070	51.278	ug/l	100
8) Diethyl Ether	3.40	74	85407	51.679	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	127116	52.071	ug/l	99
10) Methyl Iodide	3.94	142	187646	48.370	ug/l	99
11) Tert butyl alcohol	4.82	59	125607	251.097	ug/l	99
12) 1,1-Dichloroethene	3.72	96	127953	52.648	ug/l	97
13) Acrolein	3.60	56	34815	241.317	ug/l	99
14) Allyl chloride	4.31	41	192699	50.213	ug/l	98
15) Acrylonitrile	4.99	53	359436	295.174	ug/l	100
16) Acetone	3.82	43	282863	205.748	ug/l	100
17) Carbon Disulfide	4.04	76	291442	50.083	ug/l	100
18) Methyl Acetate	4.33	43	157482	58.413	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	417865	53.940	ug/l	100
20) Methylene Chloride	4.54	84	150706	53.207	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	138170	53.060	ug/l	95
22) Diisopropyl ether	5.95	45	430152	54.223	ug/l	99
23) Vinyl Acetate	5.90	43	1789669	286.473	ug/l	100
24) 1,1-Dichloroethane	5.84	63	245151	53.573	ug/l	99
25) 2-Butanone	6.84	43	469422	270.246	ug/l	99
26) 2,2-Dichloropropane	6.82	77	137854	38.606	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	164876	53.864	ug/l	96
28) Bromochloromethane	7.19	49	118601	54.806	ug/l	99
29) Tetrahydrofuran	7.22	42	315201	293.559	ug/l	100
30) Chloroform	7.37	83	246965	53.649	ug/l	99
31) Cyclohexane	7.65	56	226624	49.684	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	202590	52.701	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182699	48.264	ug/l	99
37) Ethyl Acetate	6.93	43	190965	56.698	ug/l	99
38) Carbon Tetrachloride	7.77	117	170647	48.897	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	222539	47.193	ug/l	99
40) Benzene	8.04	78	623490	54.230	ug/l	100
41) Methacrylonitrile	7.18	41	89246	57.591	ug/l	95
42) 1,2-Dichloroethane	8.12	62	185983	50.289	ug/l	100
43) Isopropyl Acetate	8.17	43	294788	54.011	ug/l	93
44) Trichloroethene	8.83	130	162048	49.051	ug/l	99
45) 1,2-Dichloropropane	9.12	63	153513	52.128	ug/l	99
46) Dibromomethane	9.21	93	100230	52.047	ug/l	99
47) Bromodichloromethane	9.40	83	180816	51.806	ug/l	98
48) Methyl methacrylate	9.20	41	147184	55.122	ug/l	96
49) 1,4-Dioxane	9.21	88	61434	1065.716	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	939054	275.132	ug/l	99
52) Toluene	10.16	92	370915	51.845	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	186479	45.783	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	218576	52.100	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	149629	52.799	ug/l	98
56) Ethyl methacrylate	10.43	69	225673	54.585	ug/l	99
57) 1,3-Dichloropropane	10.71	76	243606	52.878	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	402090	245.574	ug/l	100
59) 2-Hexanone	10.75	43	655644	265.041	ug/l	100
60) Dibromochloromethane	10.90	129	146601	47.056	ug/l	99
61) 1,2-Dibromoethane	11.00	107	156038	53.860	ug/l	99
64) Tetrachloroethene	10.63	164	156434	45.548	ug/l	98
65) Chlorobenzene	11.43	112	774813	98.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	142911	52.414	ug/l	99
67) Ethyl Benzene	11.51	91	686113	49.969	ug/l	98
68) m/p-Xylenes	11.62	106	525770	100.236	ug/l	99
69) o-Xylene	11.95	106	260409	50.470	ug/l	99
70) Styrene	11.96	104	433037	52.823	ug/l	100
71) Bromoform	12.13	173	103922	45.650	ug/l #	98
73) Isopropylbenzene	12.25	105	675940	52.986	ug/l	100
74) N-amyl acetate	12.07	43	244390	51.087	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	207420	49.788	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	237115	71.806	ug/l #	100
77) Bromobenzene	12.53	156	183878	47.857	ug/l	97
78) n-propylbenzene	12.59	91	724471	47.718	ug/l	99
79) 2-Chlorotoluene	12.67	91	447779	53.328	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	560246	46.431	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46629	47.025	ug/l	91
82) 4-Chlorotoluene	12.77	91	434791	48.950	ug/l	100
83) tert-Butylbenzene	12.99	119	488902	52.350	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	553439	48.368	ug/l	99
85) sec-Butylbenzene	13.17	105	632749	47.061	ug/l	100
86) p-Isopropyltoluene	13.29	119	573866	47.691	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	300916	50.603	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	309654	54.132	ug/l	100
89) n-Butylbenzene	13.61	91	427983	48.013	ug/l	99
90) Hexachloroethane	13.88	117	87546	48.243	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	321734	53.589	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32957	55.309	ug/l	97

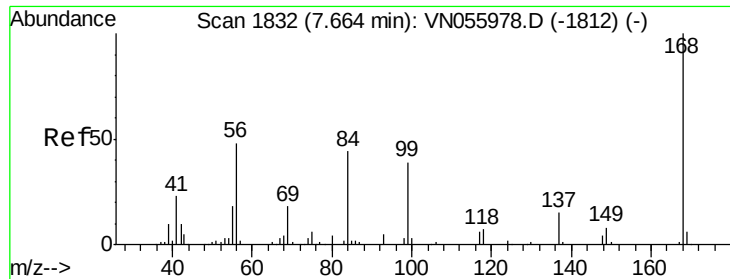
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152576	46.449	ug/l	99
94) Hexachlorobutadiene	15.01	225	101551	49.287	ug/l	99
95) Naphthalene	15.13	128	423707	49.411	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	167269	49.633	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: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

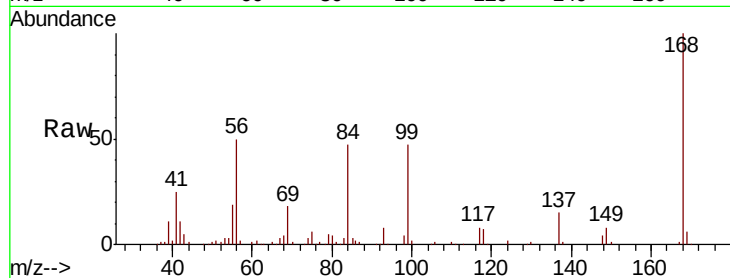
LF015RW050-190604MSD

Tot Ion:168 Resp: 289505

Ion Ratio Lower Upper

168 100

99 46.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

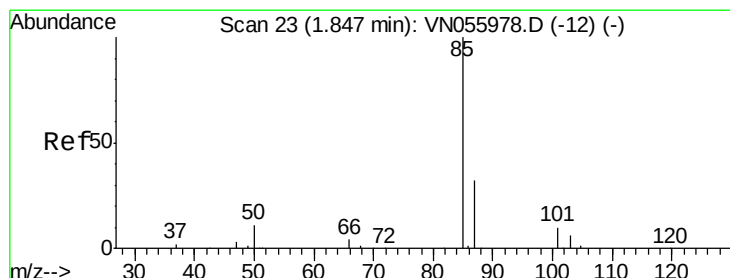
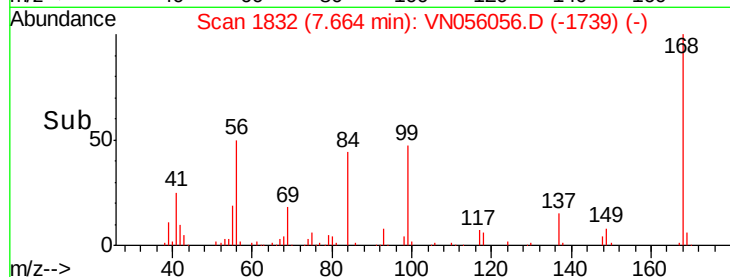
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.998 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056056.D

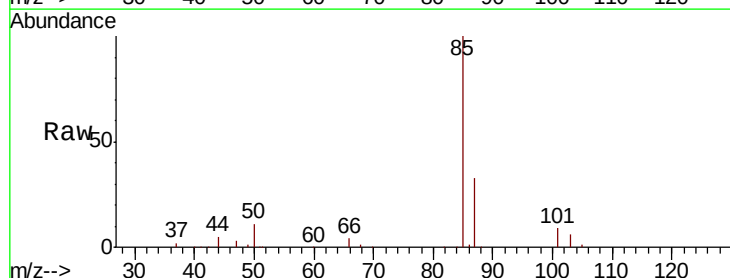
Acq: 6 Jun 2019 19:32

Tgt Ion: 85 Resp: 162223

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

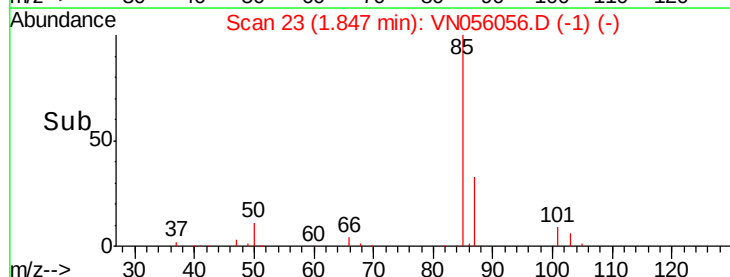
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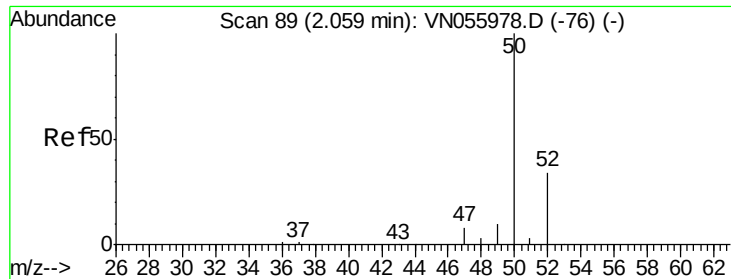
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Time-->

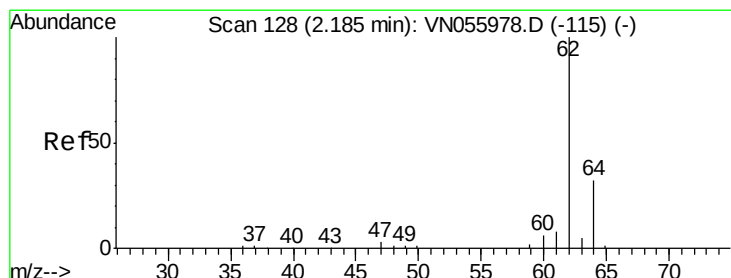
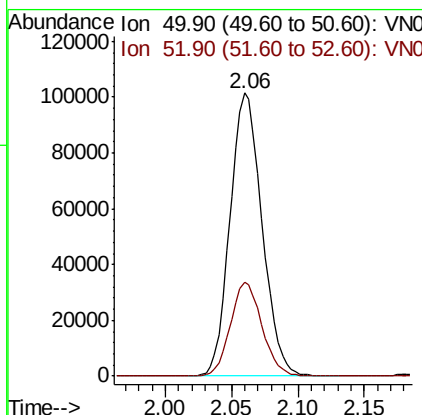
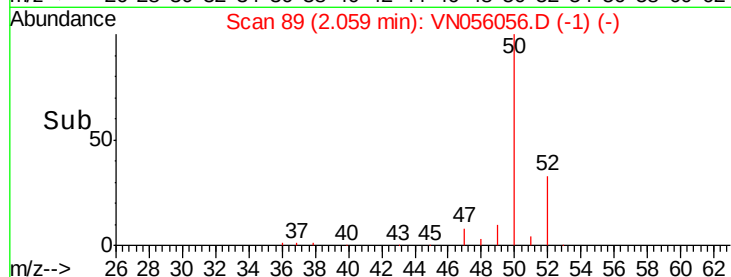
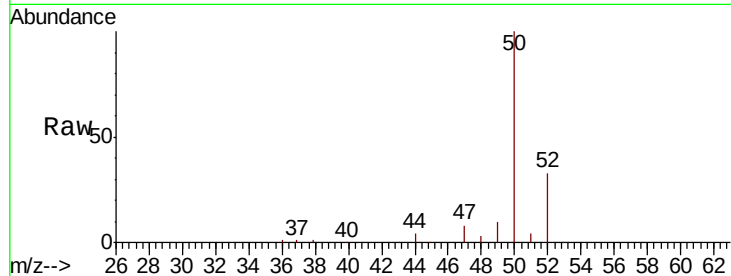




#3
 Chloromethane
 Concen: 54.207 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

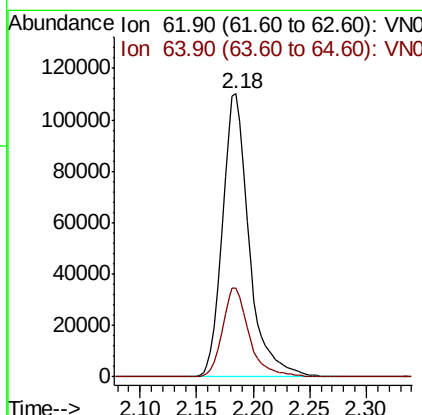
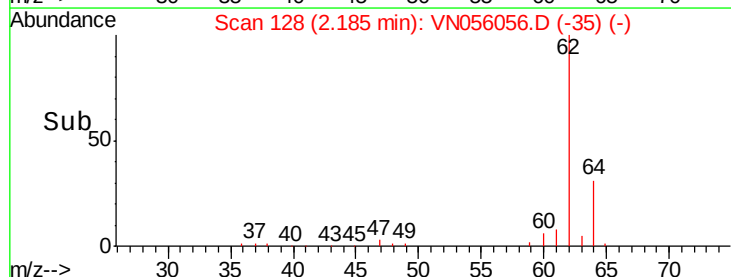
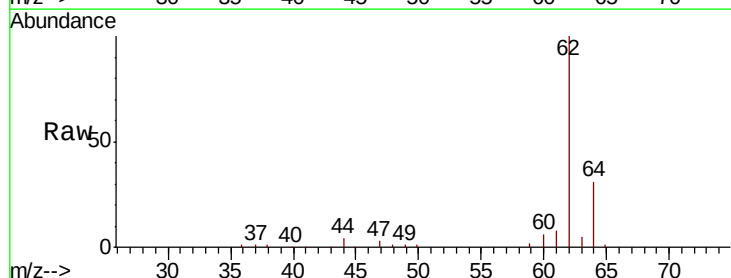
Instrument :
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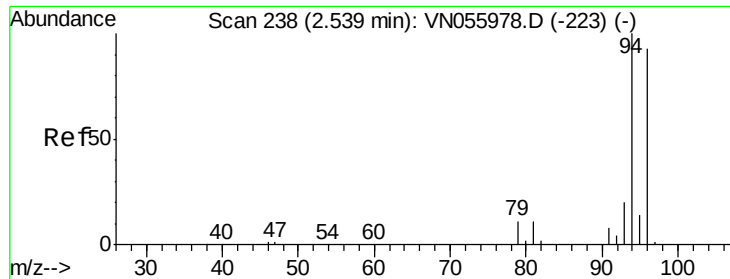
Tot Ion: 50 Resp: 170116
 Ion Ratio Lower Upper
 50 100
 52 33.0 26.6 40.0



#4
 Vinyl Chloride
 Concen: 57.279 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion: 62 Resp: 180310
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.6 38.4

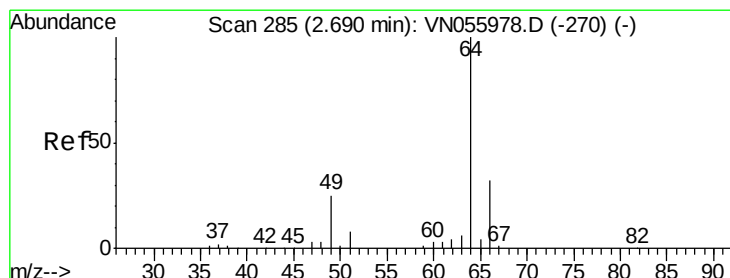
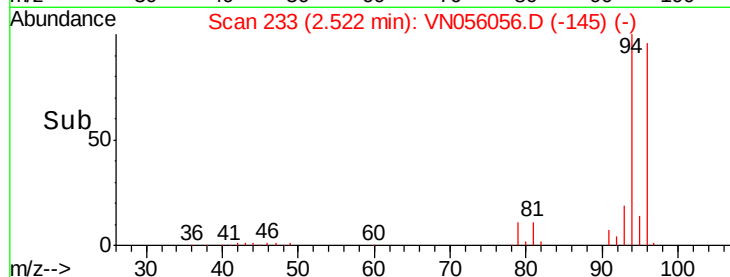
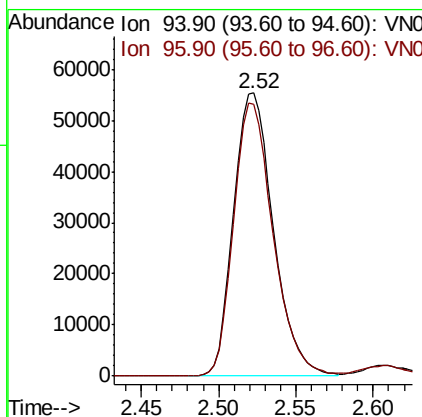
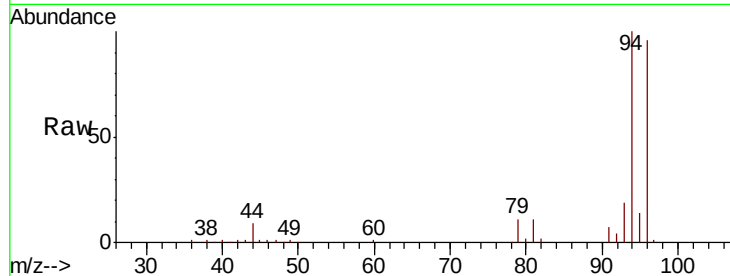




#5
Bromomethane
Concen: 49.837 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.02 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

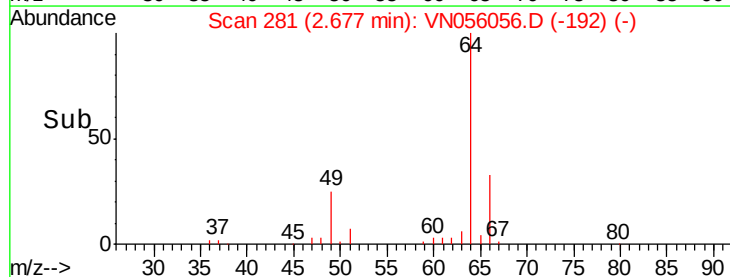
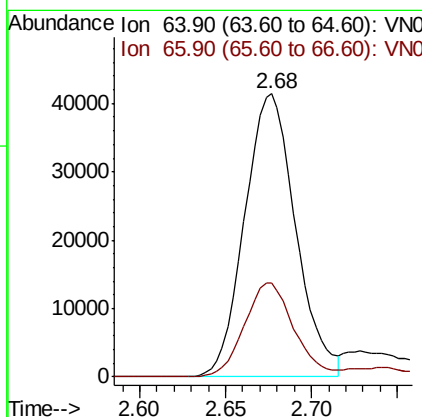
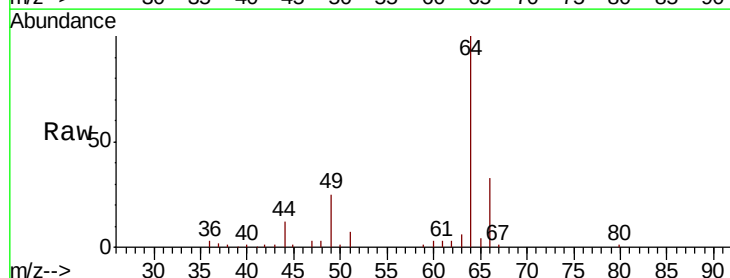
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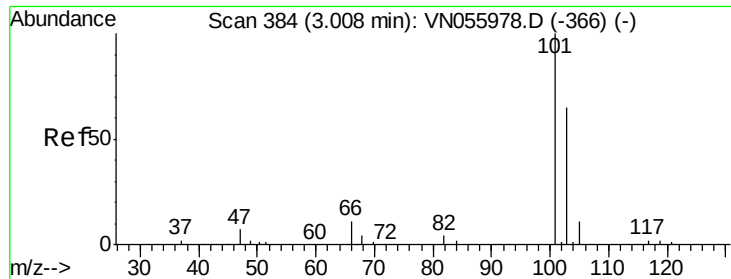
Tot Ion: 94 Resp: 99102
Ion Ratio Lower Upper
94 100
96 95.9 75.5 113.3



#6
Chloroethane
Concen: 46.779 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.01 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 64 Resp: 85379
Ion Ratio Lower Upper
64 100
66 33.1 25.4 38.0



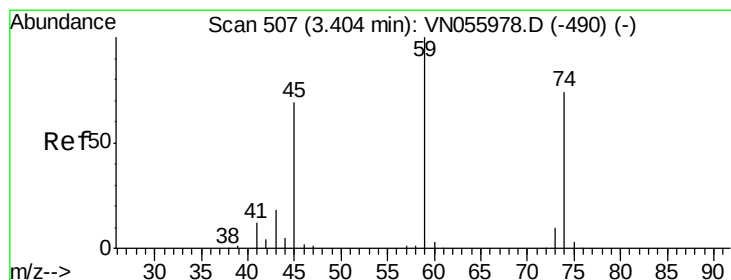
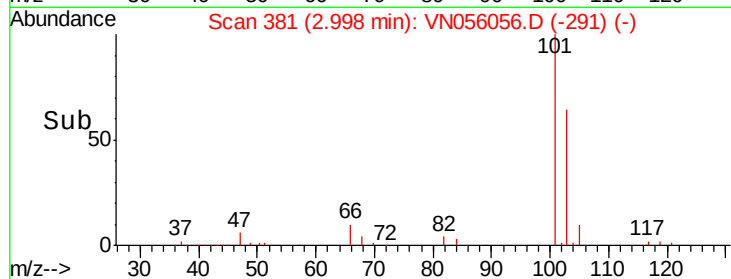
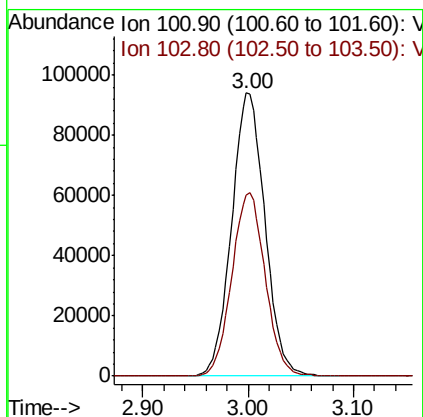
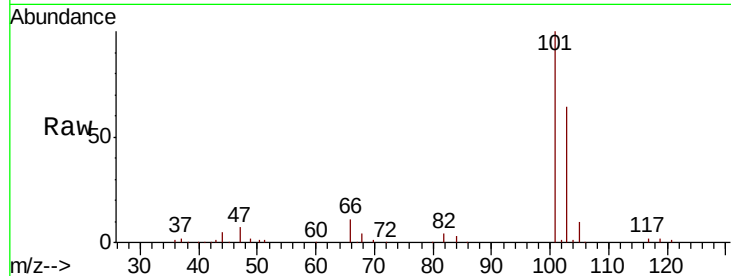


#7

Trichlorofluoromethane
Concen: 51.278 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.01 min
Lab File: VN056056.D
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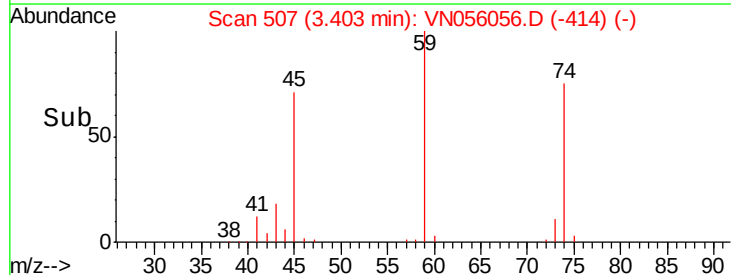
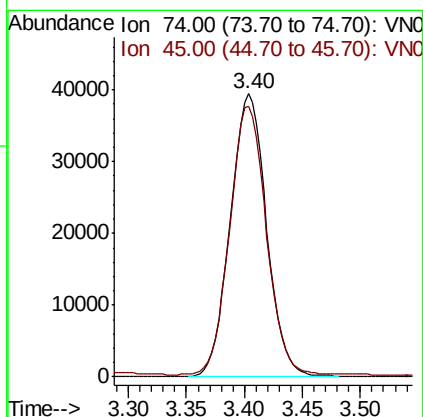
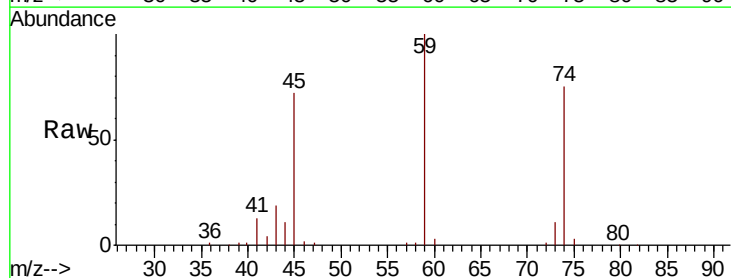
Tot Ion:101 Resp: 206070
Ion Ratio Lower Upper
101 100
103 64.0 51.2 76.8

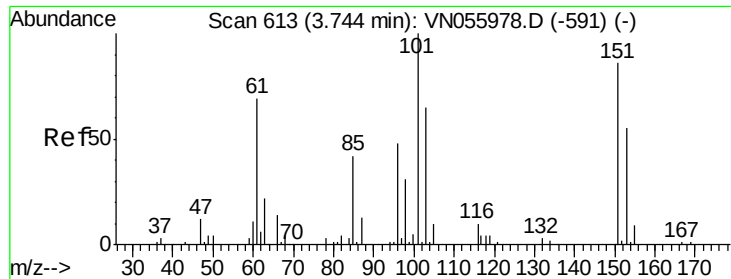


#8

Diethyl Ether
Concen: 51.679 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 74 Resp: 85407
Ion Ratio Lower Upper
74 100
45 95.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.071 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

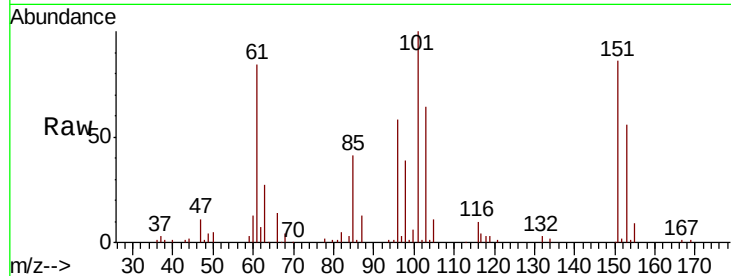
Tot Ion:101 Resp: 127116

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.2

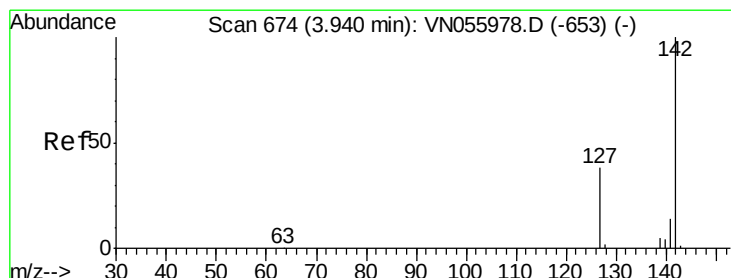
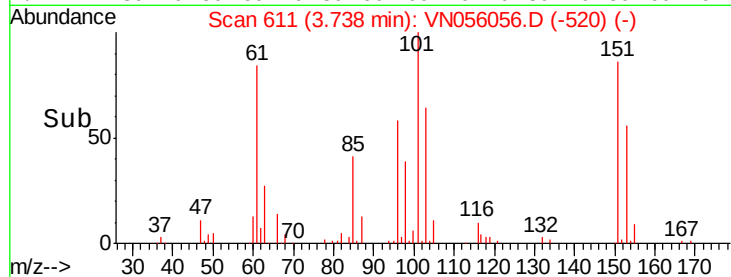
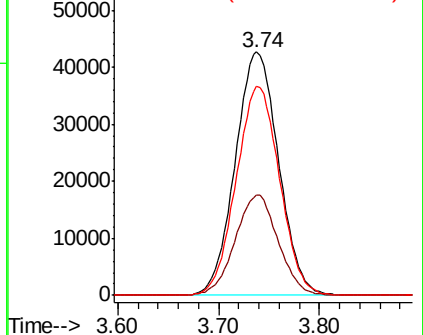
151 86.3 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.370 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

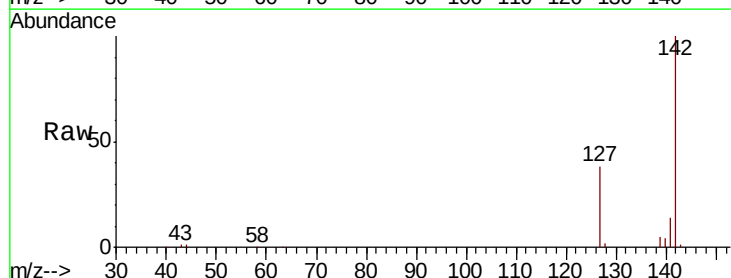
Tgt Ion:142 Resp: 187646

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.4

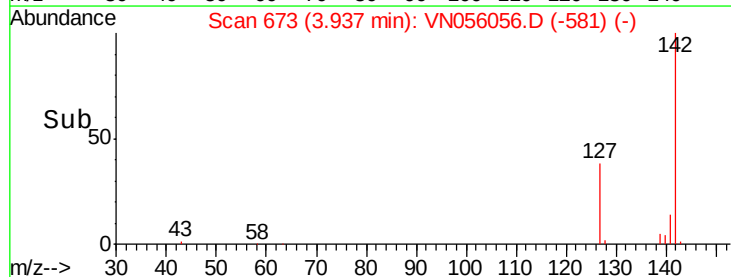
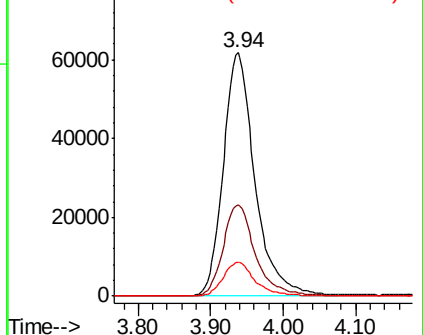
141 13.9 11.4 17.0

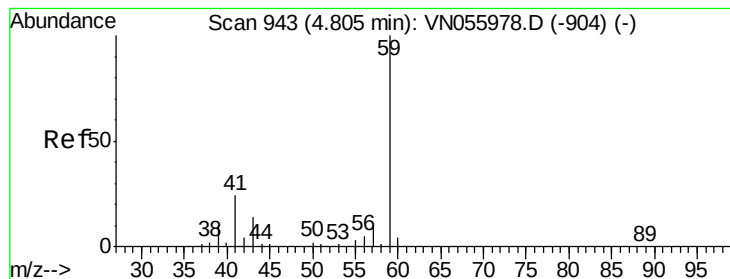


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



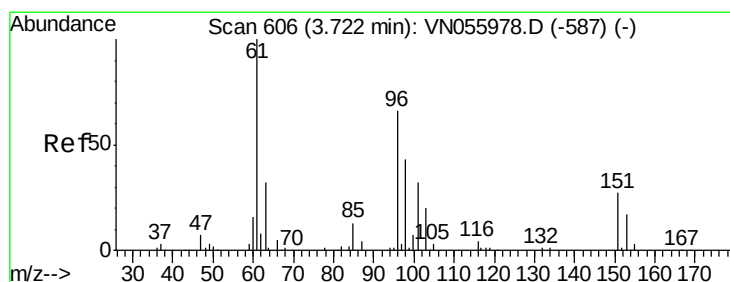
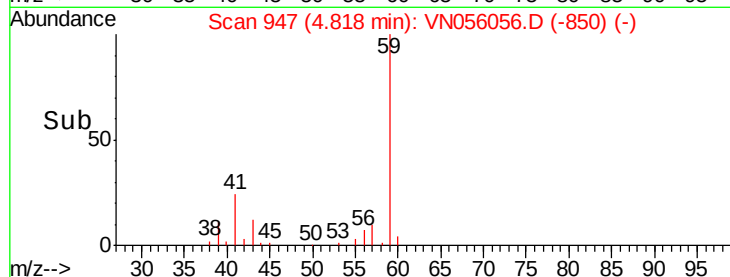
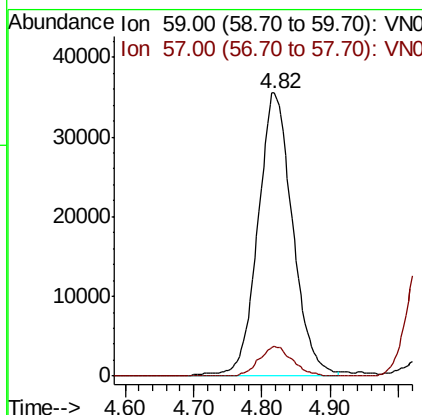
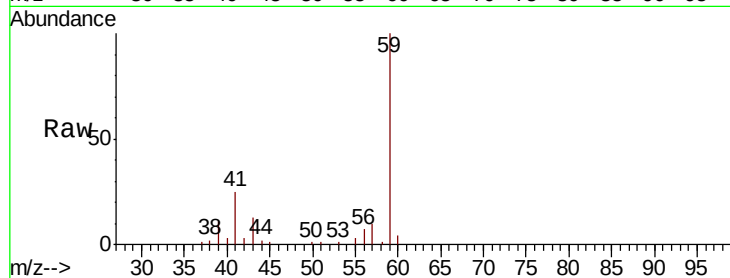


#11

Tert butyl alcohol
 Concen: 251.097 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

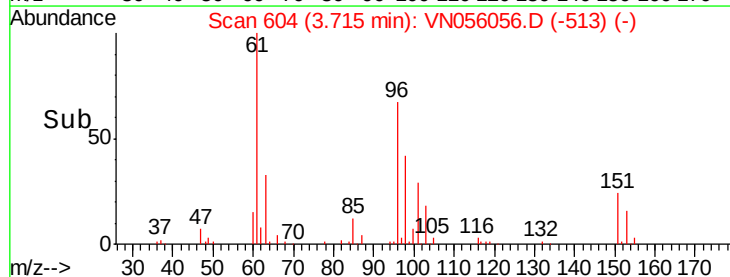
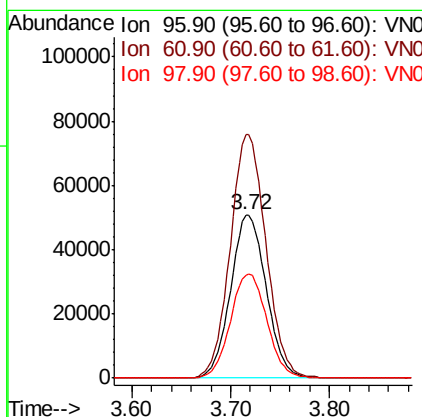
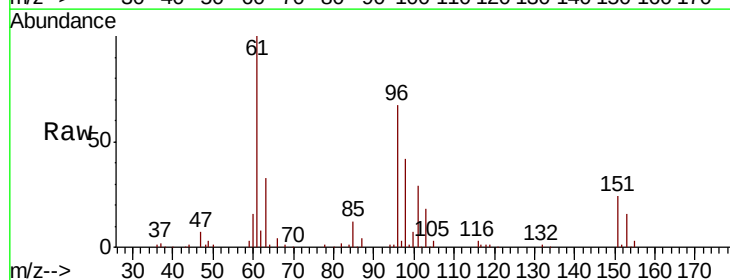
Tot Ion: 59 Resp: 125607
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.8 11.6

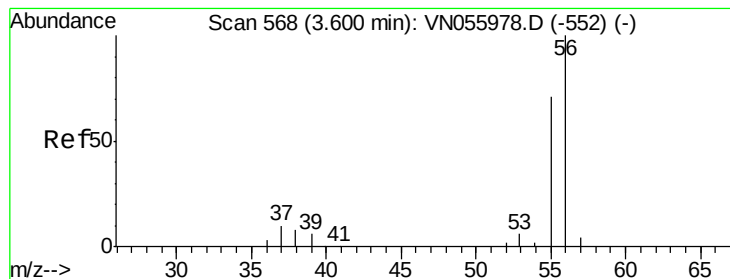


#12

1,1-Dichloroethene
 Concen: 52.648 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion: 96 Resp: 127953
 Ion Ratio Lower Upper
 96 100
 61 149.1 123.2 184.8
 98 63.0 50.4 75.6





#13

Acrolein

Concen: 241.317 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

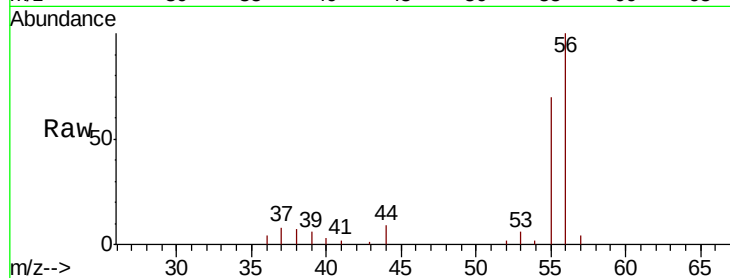
LF015RW050-190604MSD

Tot Ion: 56 Resp: 34815

Ion Ratio Lower Upper

56 100

55 69.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

10000

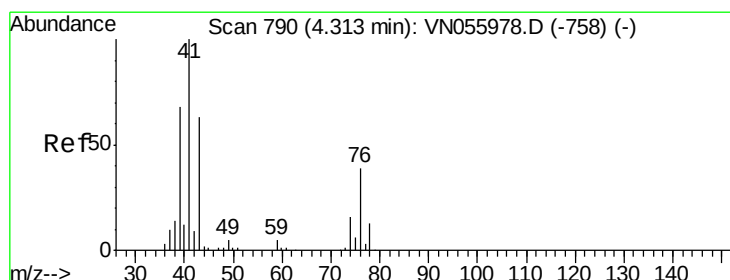
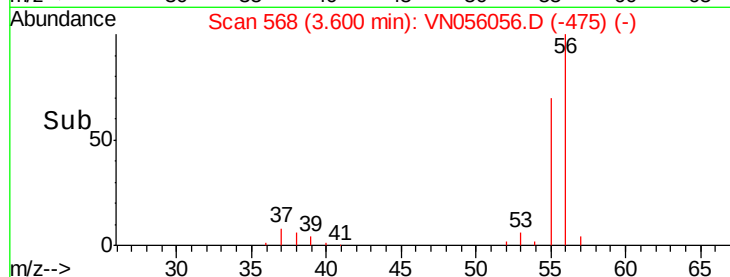
5000

0

Time-->

3.50 3.60 3.70

3.60



#14

Allyl chloride

Concen: 50.213 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

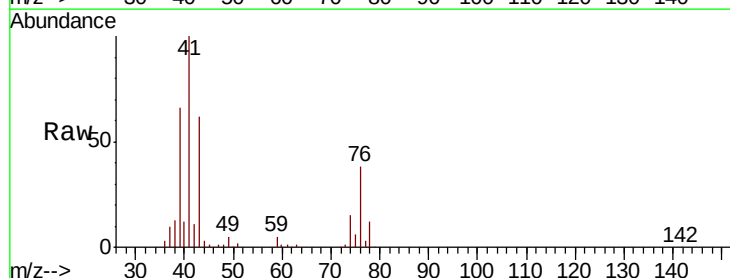
Tgt Ion: 41 Resp: 192699

Ion Ratio Lower Upper

41 100

39 60.5 50.0 75.0

76 34.2 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

80000

60000

40000

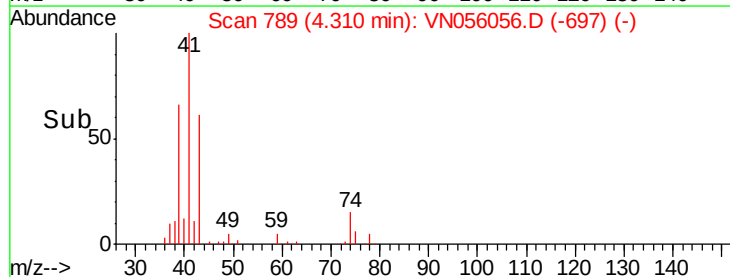
20000

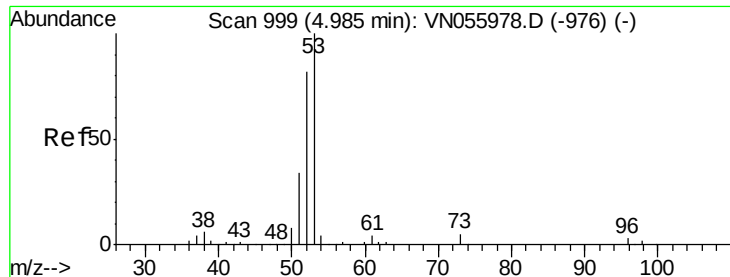
0

Time-->

4.20 4.30 4.40

4.31





#15

Acrylonitrile

Concen: 295.174 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

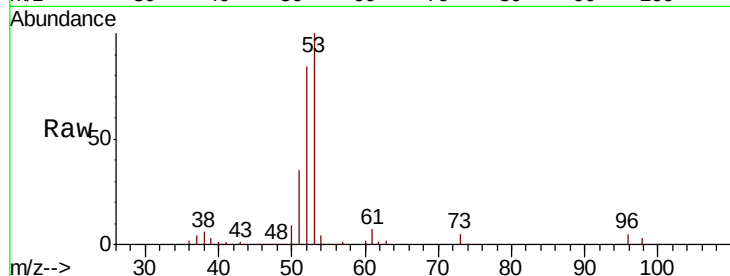
Tot Ion: 53 Resp: 359436

Ion Ratio Lower Upper

53 100

52 82.6 65.8 98.8

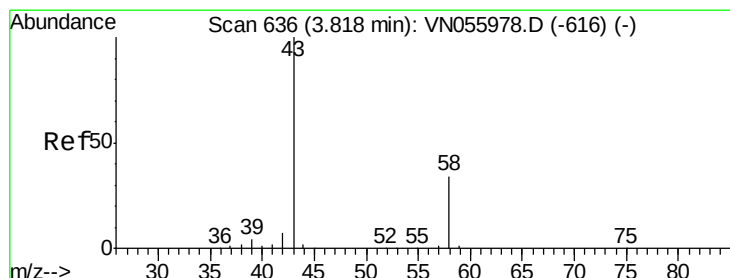
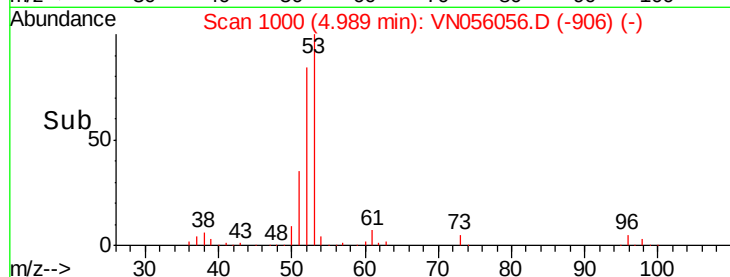
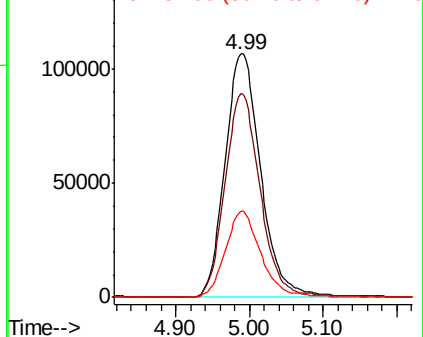
51 35.2 28.2 42.4



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: 205.748 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056056.D

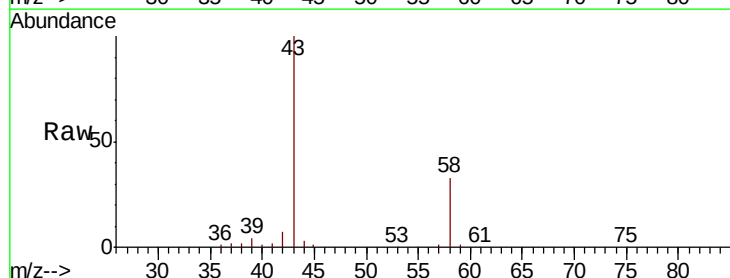
Acq: 6 Jun 2019 19:32

Tgt Ion: 43 Resp: 282863

Ion Ratio Lower Upper

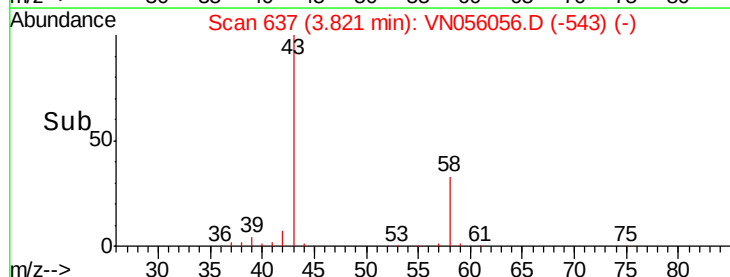
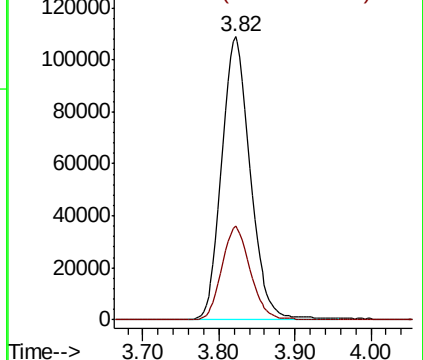
43 100

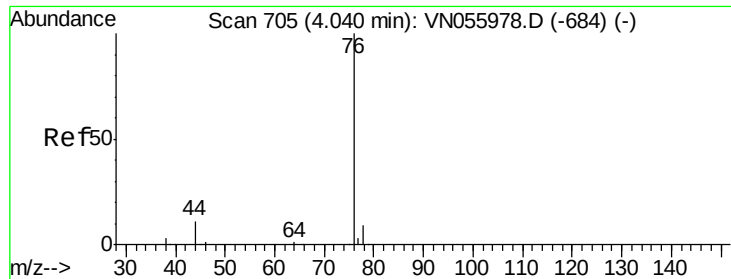
58 33.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

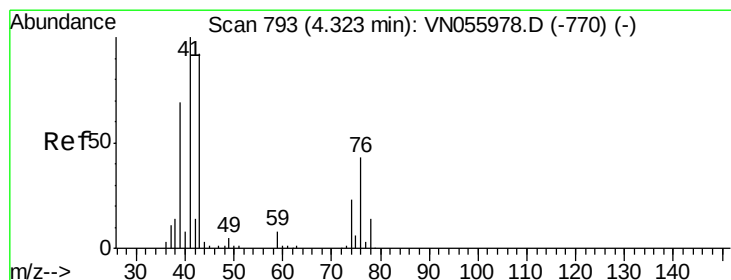
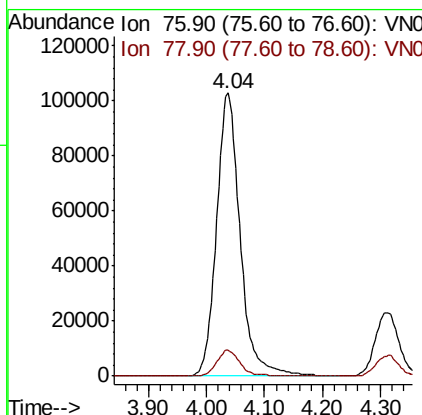
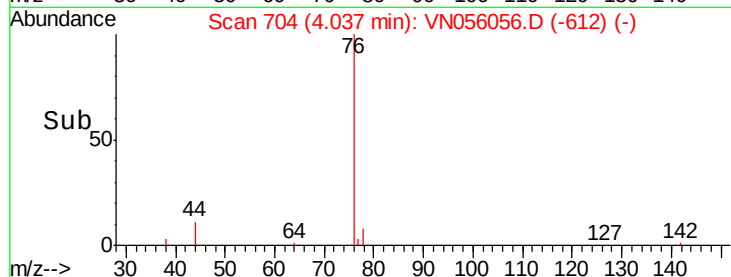
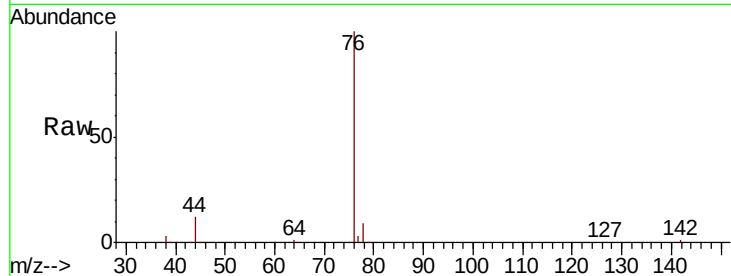




#17
Carbon Disulfide
Concen: 50.083 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

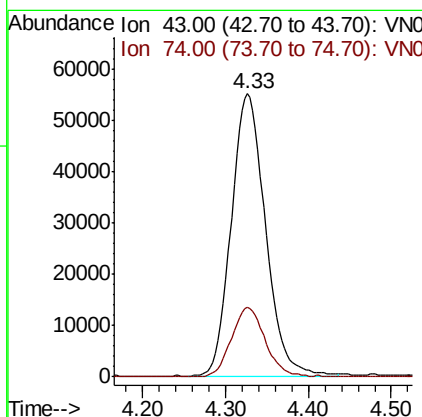
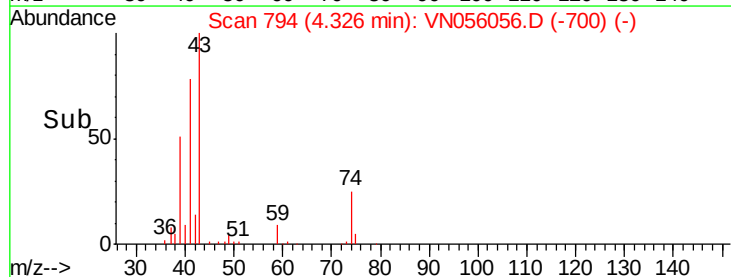
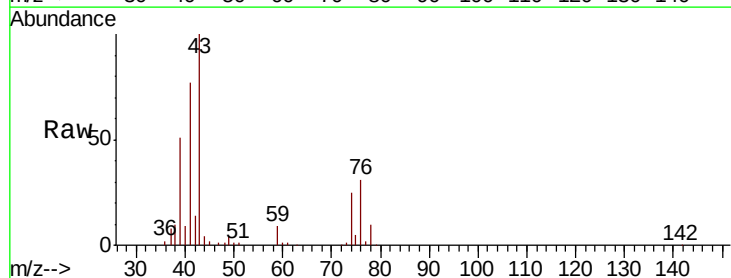
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

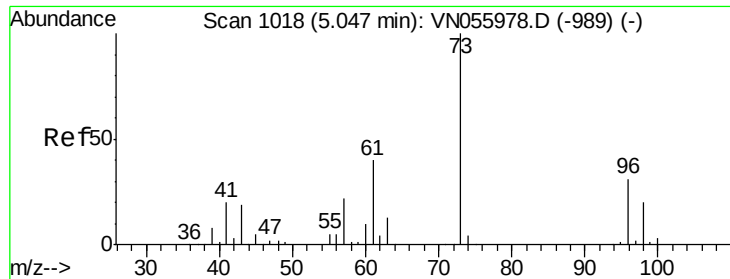
Tot Ion: 76 Resp: 291442
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 58.413 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 43 Resp: 157482
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9



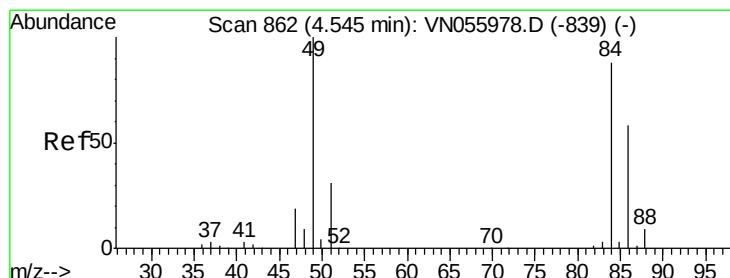
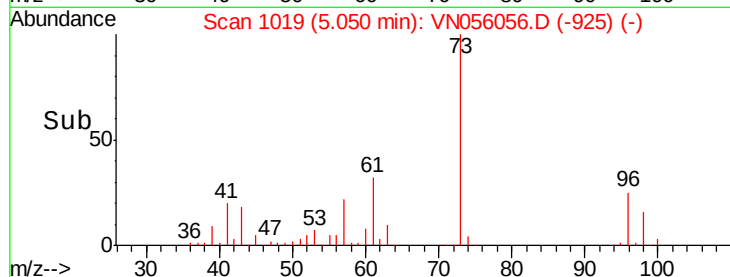
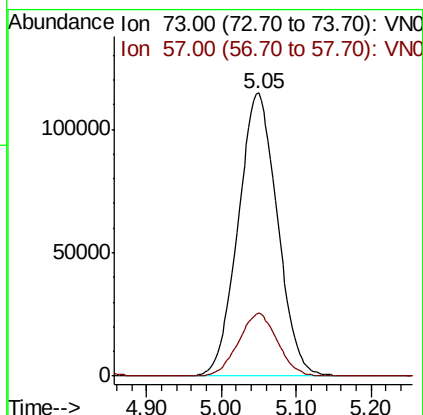
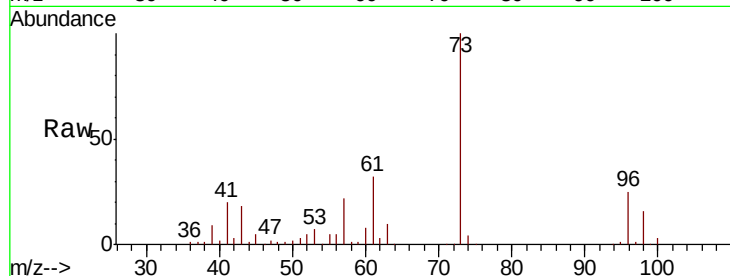


#19

Methyl tert-butyl Ether
 Concen: 53.940 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

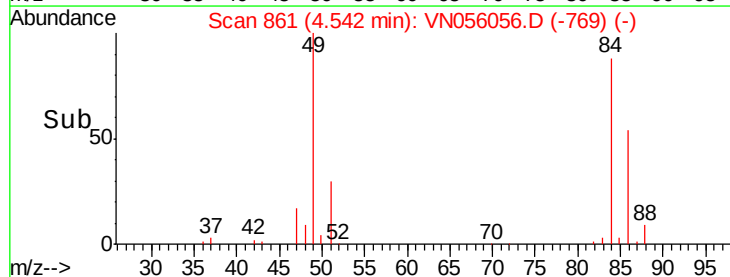
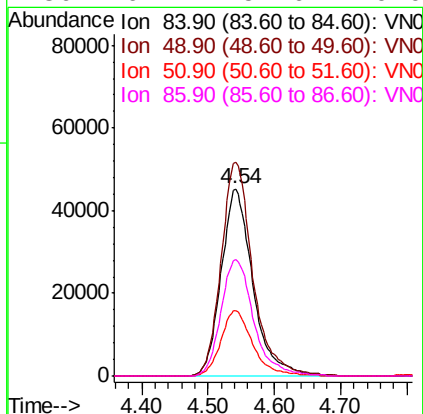
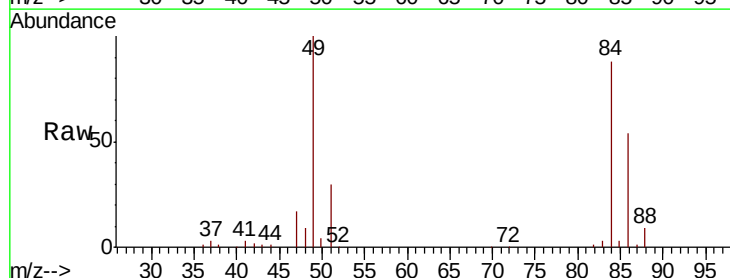
Tot Ion: 73 Resp: 417865
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.8 26.8

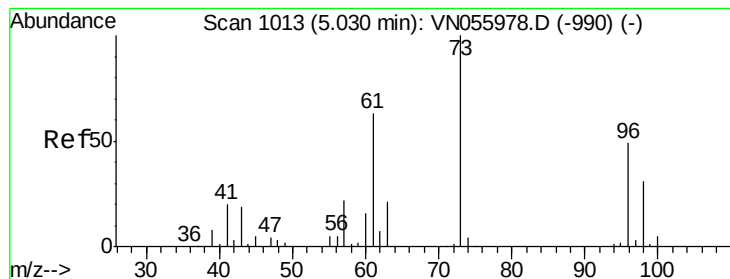


#20

Methylene Chloride
 Concen: 53.207 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion: 84 Resp: 150706
 Ion Ratio Lower Upper
 84 100
 49 114.2 93.5 140.3
 51 34.7 28.6 43.0
 86 62.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 53.060 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

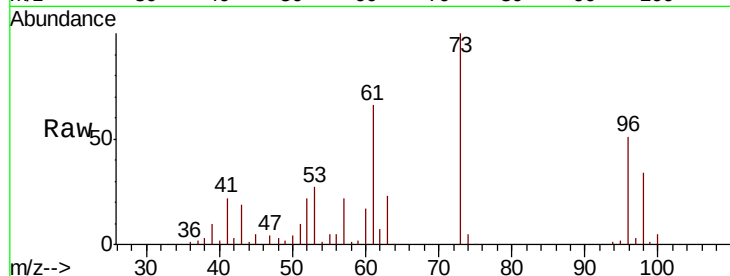
Tot Ion: 96 Resp: 138170

Ion Ratio Lower Upper

96 100

61 129.3 107.8 161.8

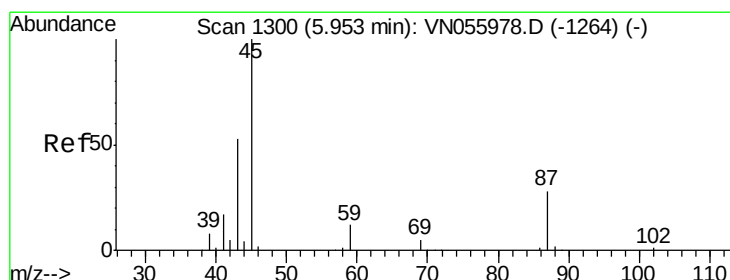
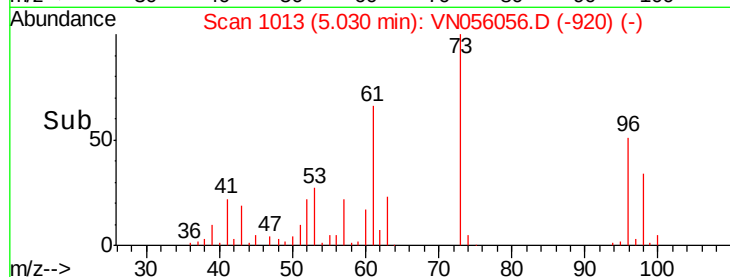
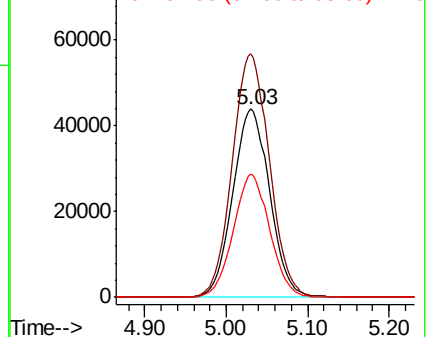
98 65.6 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN056056.D (-920) (-)

Ion 60.90 (60.60 to 61.60): VN056056.D (-920) (-)

Ion 97.90 (97.60 to 98.60): VN056056.D (-920) (-)



#22

Diisopropyl ether

Concen: 54.223 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Tgt Ion: 45 Resp: 430152

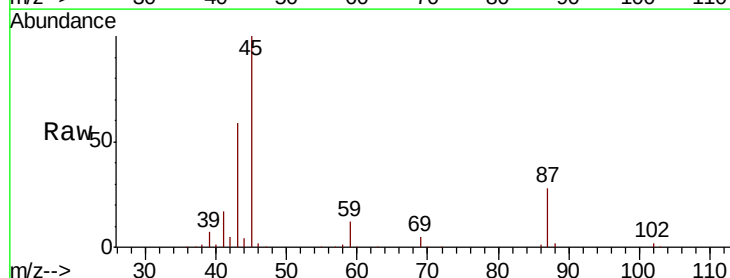
Ion Ratio Lower Upper

45 100

43 57.4 45.0 67.6

87 28.2 22.2 33.4

59 11.7 9.1 13.7

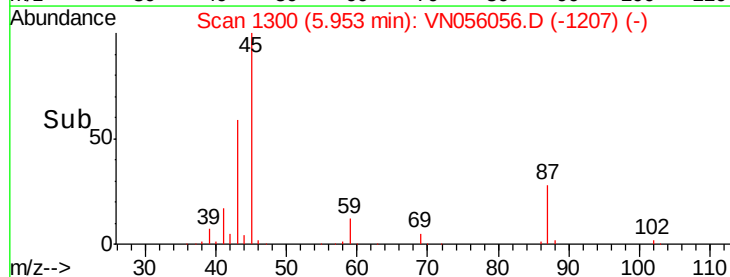
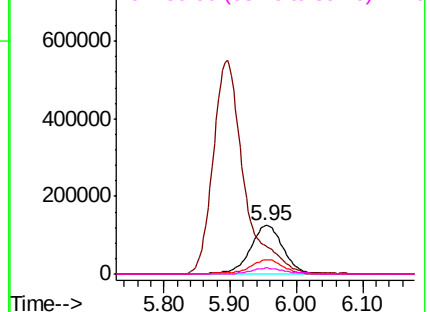


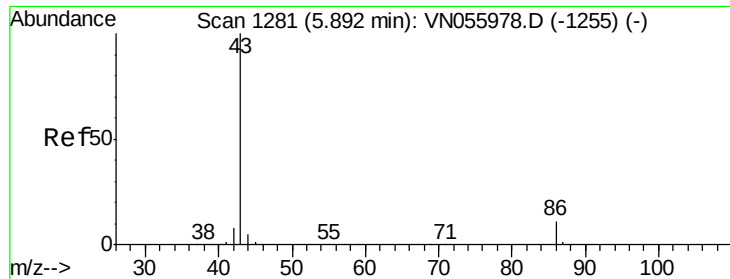
Abundance Ion 45.00 (44.70 to 45.70): VN056056.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN056056.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN056056.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN056056.D (-1207) (-)





#23

Vinyl Acetate

Concen: 286.473 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

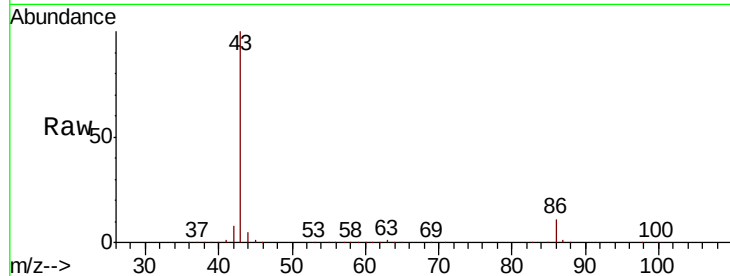
LF015RW050-190604MSD

Tot Ion: 43 Resp: 1789669

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

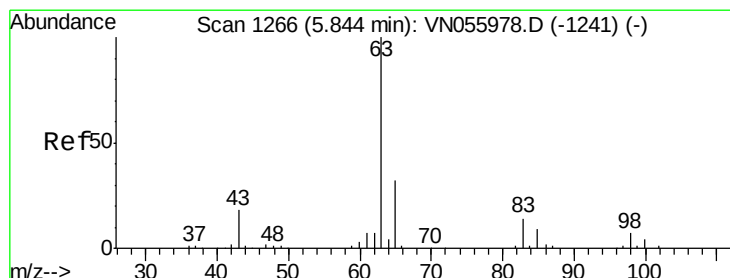
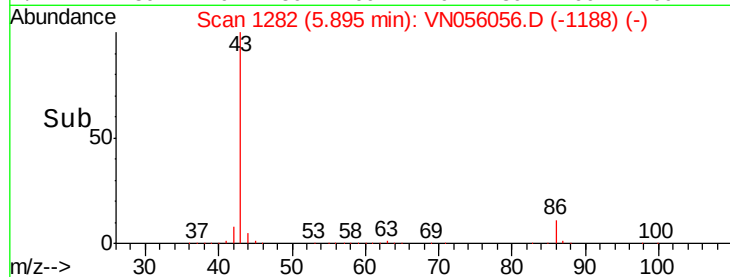
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 53.573 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

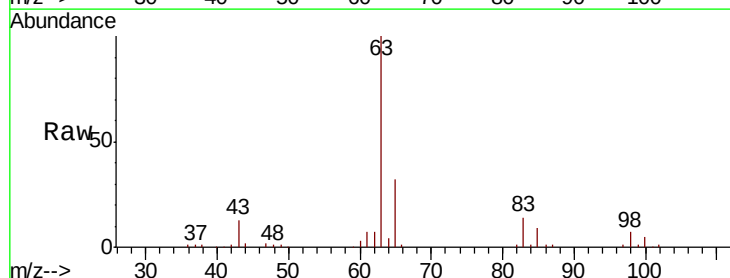
Tgt Ion: 63 Resp: 245151

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): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

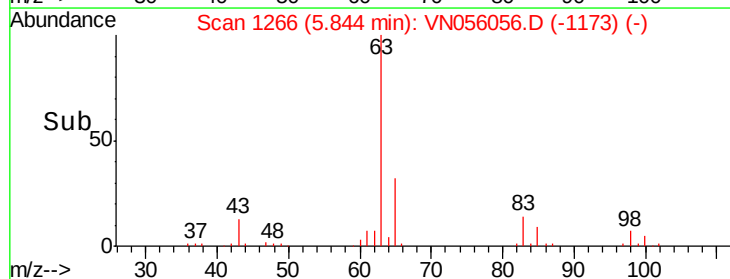
60000

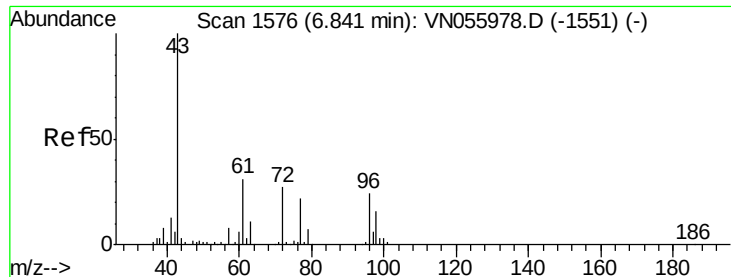
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

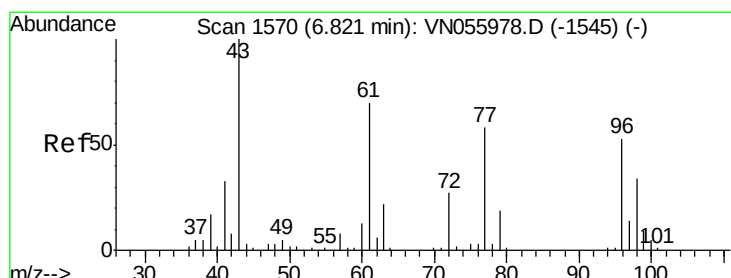
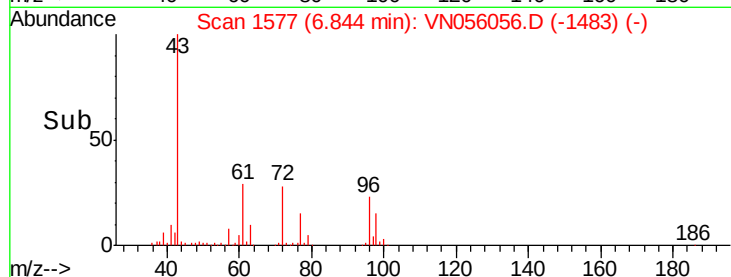
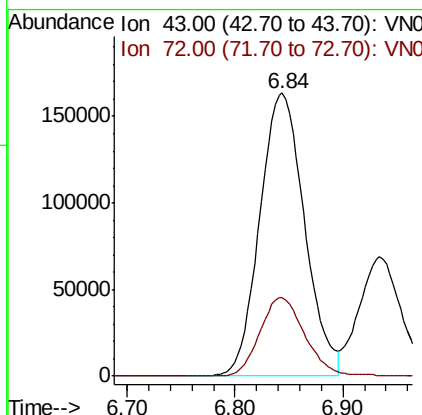
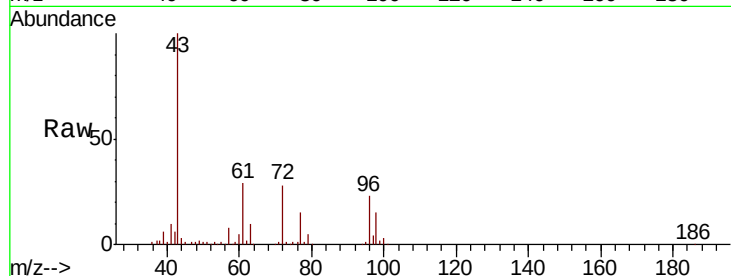




#25
2-Butanone
Concen: 270.246 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

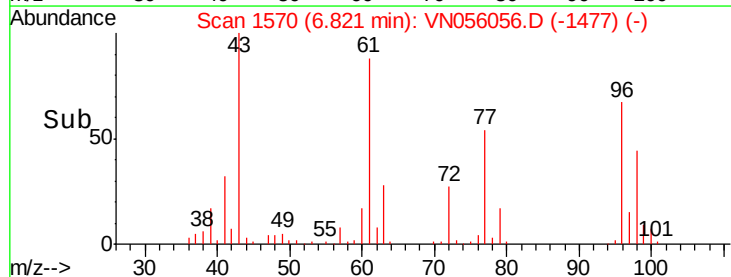
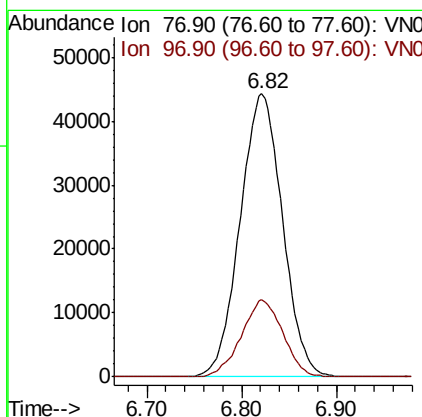
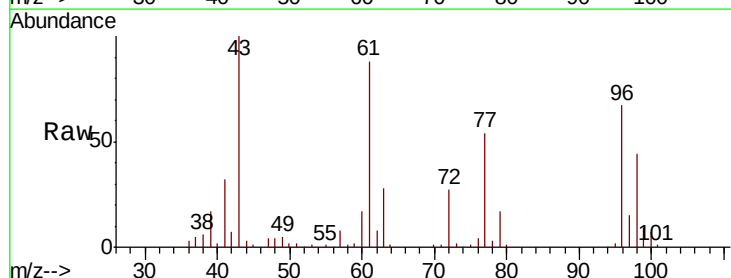
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

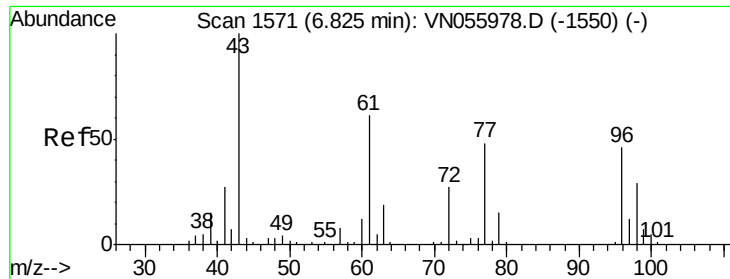
Tot Ion: 43 Resp: 469422
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 38.606 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 77 Resp: 137854
Ion Ratio Lower Upper
77 100
97 26.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.864 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

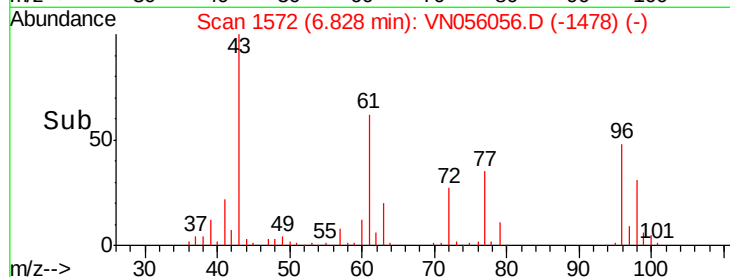
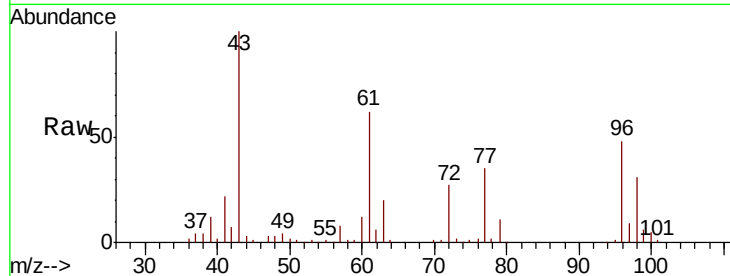
Tot Ion: 96 Resp: 164876

Ion Ratio Lower Upper

96 100

61 131.9 0.0 275.8

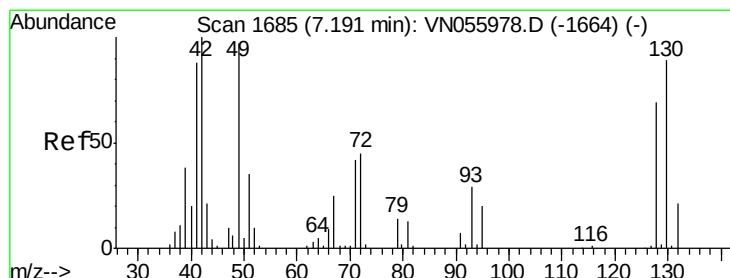
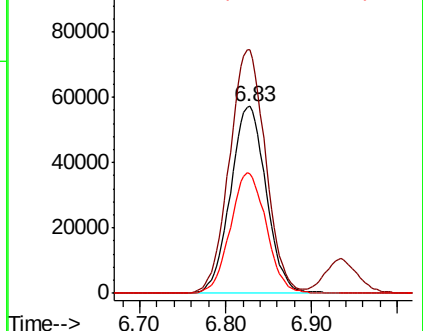
98 64.8 0.0 128.4



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: 54.806 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

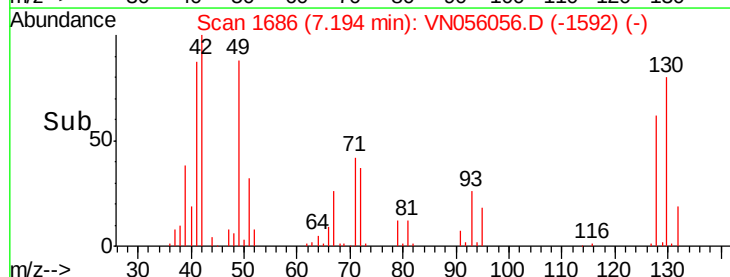
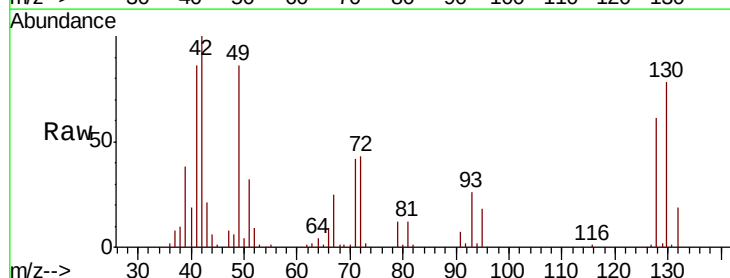
Tgt Ion: 49 Resp: 118601

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

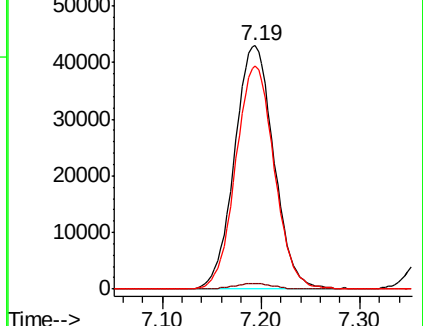
130 90.1 71.2 106.8

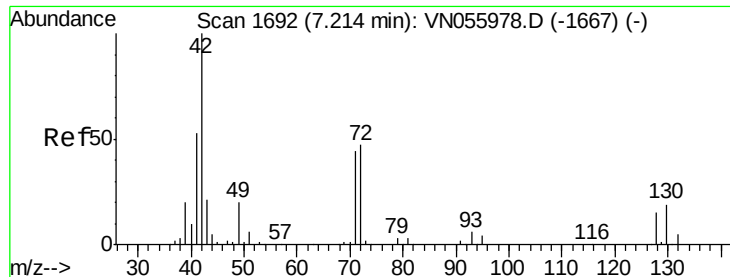


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

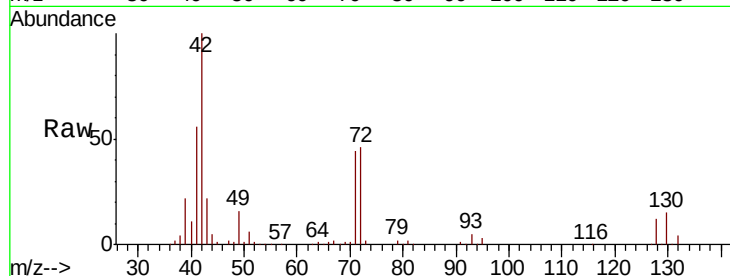




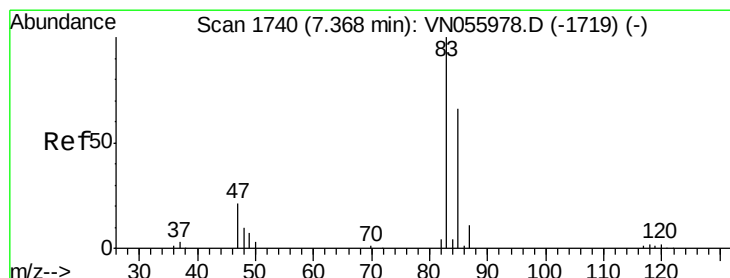
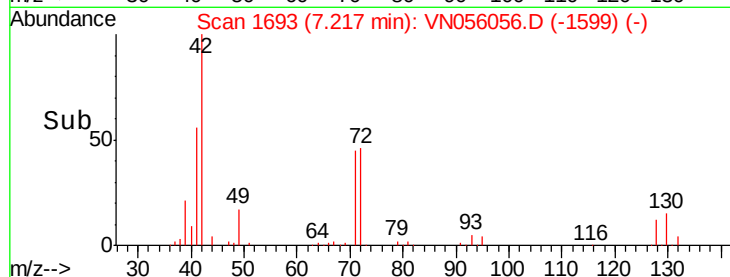
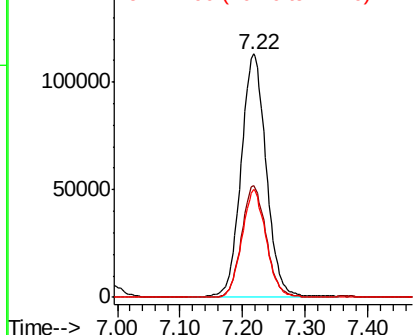
#29
Tetrahydrofuran
Concen: 293.559 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

Tot Ion: 42 Resp: 315201
Ion Ratio Lower Upper
42 100
72 45.0 35.9 53.9
71 42.7 34.0 51.0

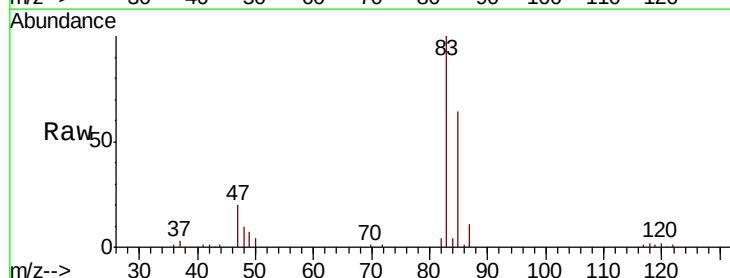


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

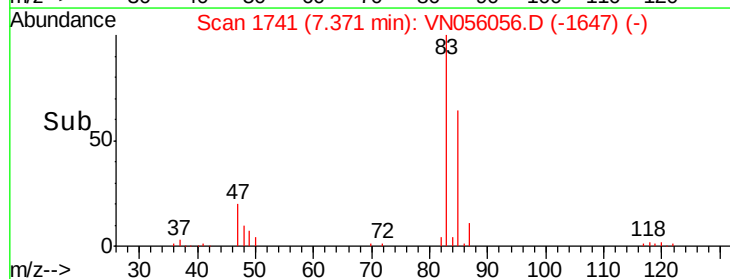
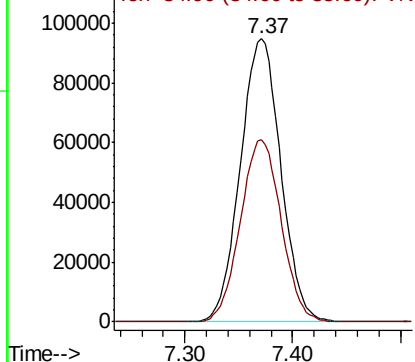


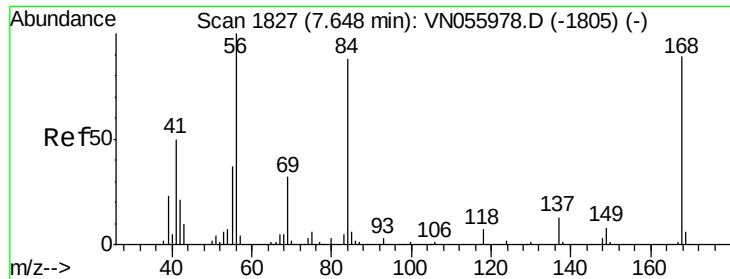
#30
Chloroform
Concen: 53.649 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 83 Resp: 246965
Ion Ratio Lower Upper
83 100
85 64.2 51.8 77.8



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

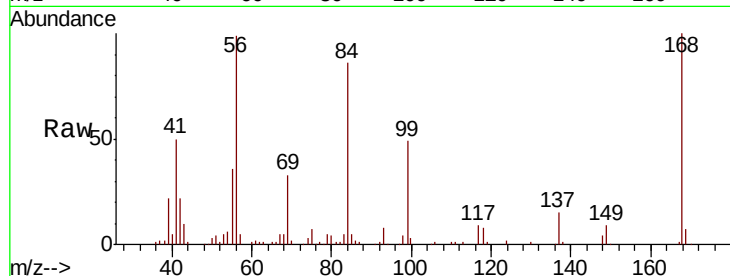




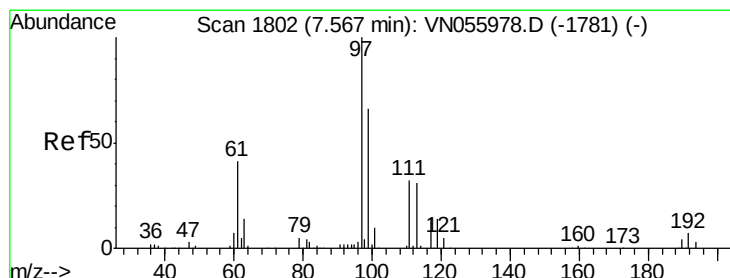
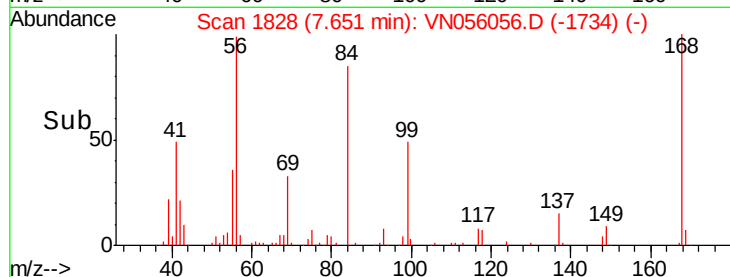
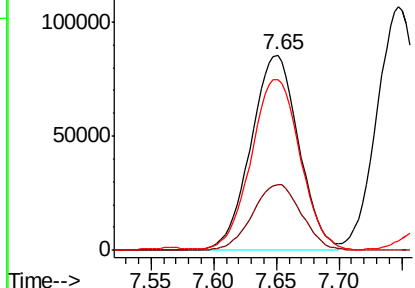
#31
Cyclohexane
Concen: 49.684 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

Tot Ion: 56 Resp: 226624
Ion Ratio Lower Upper
56 100
69 33.9 25.6 38.4
84 86.7 67.4 101.0

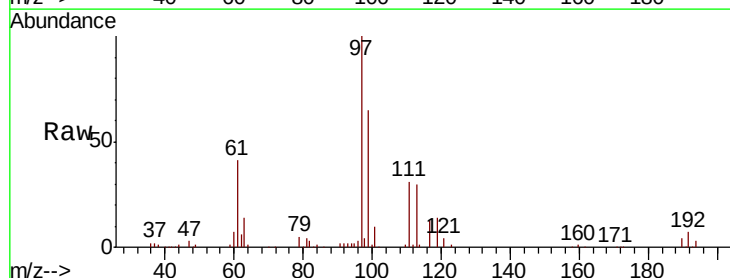


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

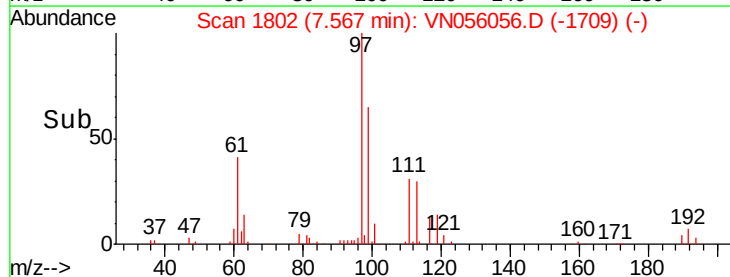
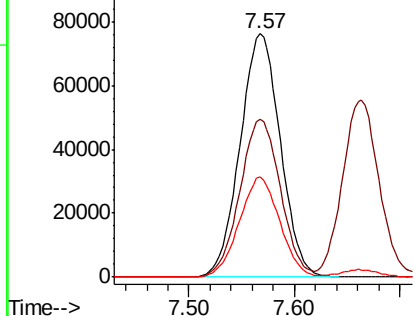


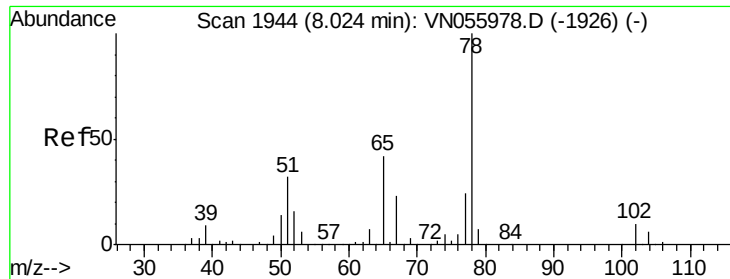
#32
1,1,1-Trichloroethane
Concen: 52.701 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 97 Resp: 202590
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 41.2 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 54.721 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

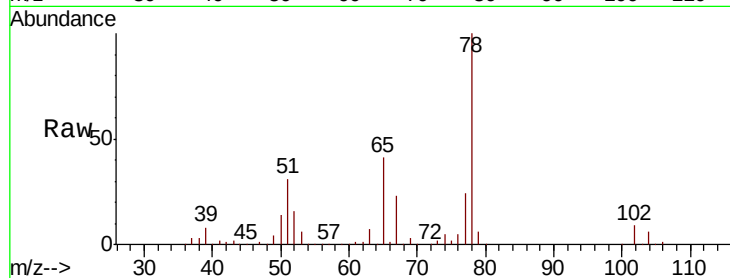
LF015RW050-190604MSD

Tot Ion: 65 Resp: 157299

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055978.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055978.D (-1926) (-)

8.02

60000

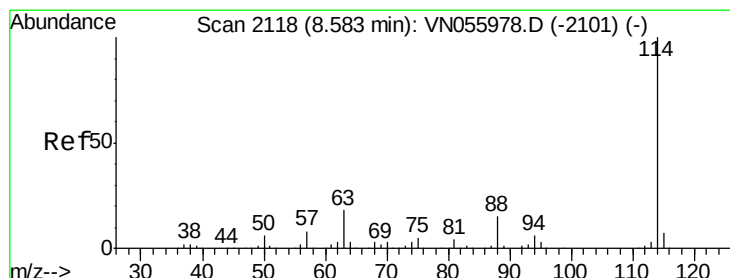
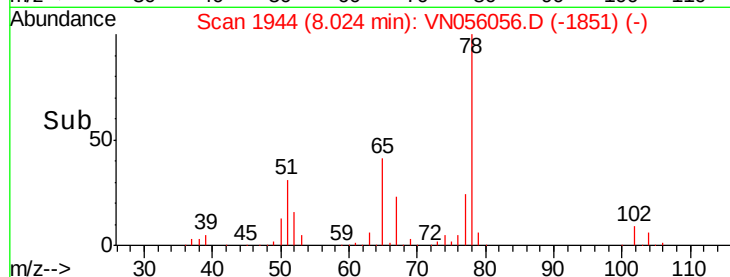
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

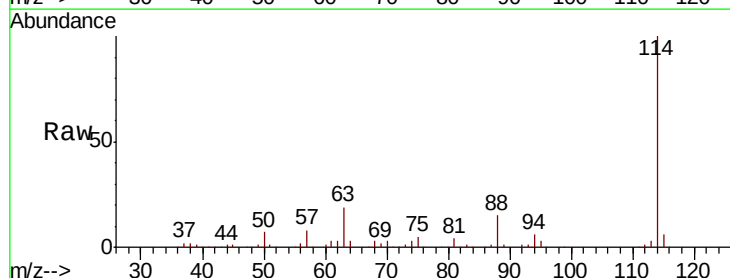
Tgt Ion: 114 Resp: 440237

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055978.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055978.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055978.D (-2101) (-)

8.58

250000

200000

150000

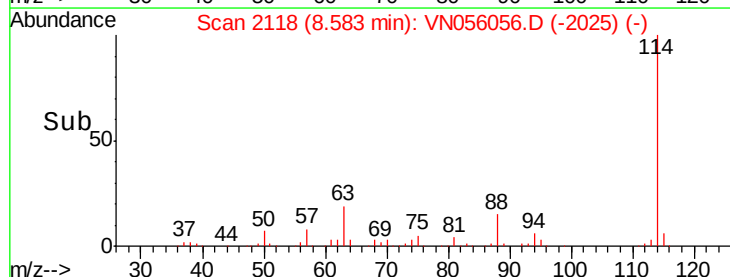
100000

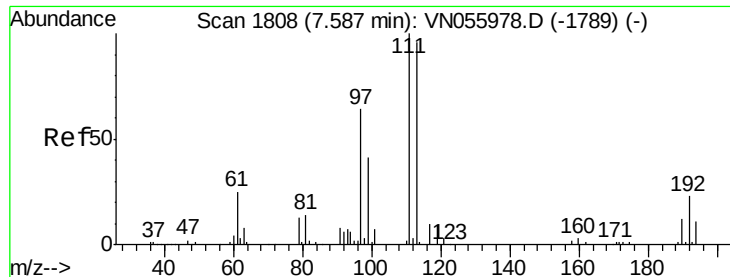
50000

0

8.50 8.60 8.70 8.80

Time-->

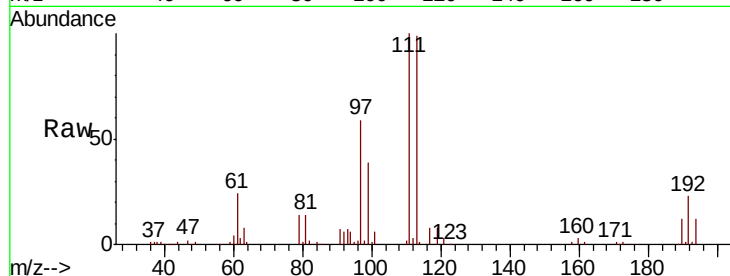




#35
 Dibromofluoromethane
 Concen: 52.202 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	23.8	19.5	29.3

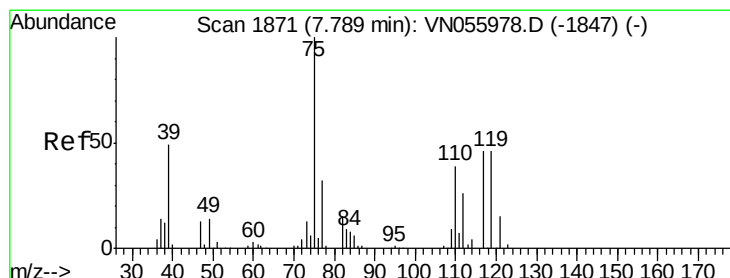
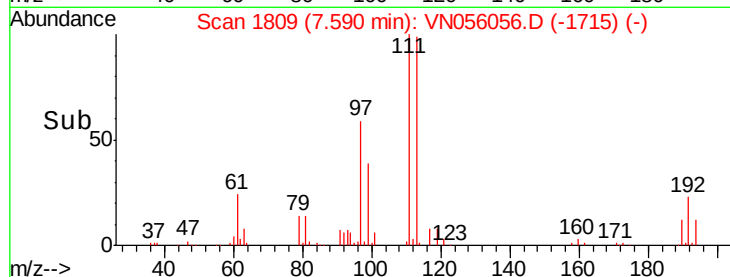
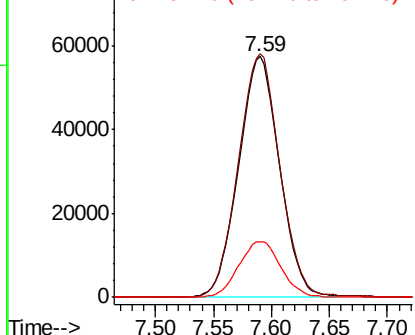


Abundance

Ion 112.80 (112.50 to 113.50): V

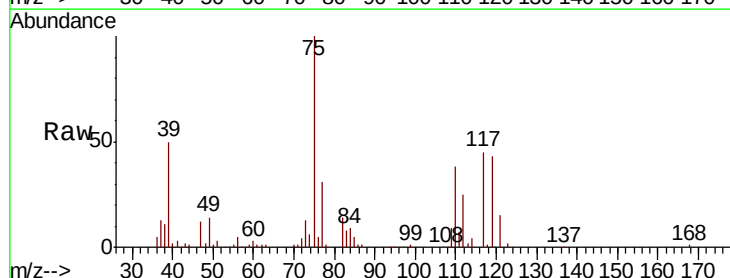
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.264 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.0	57.0
77	31.5	25.1	37.7

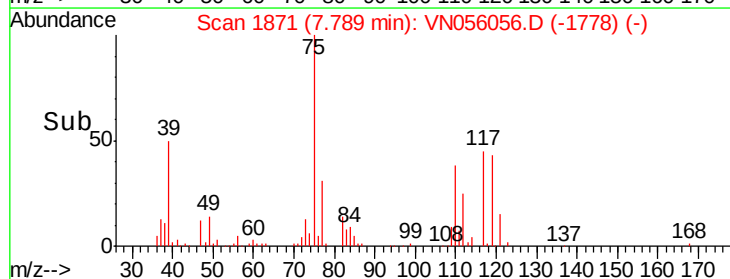
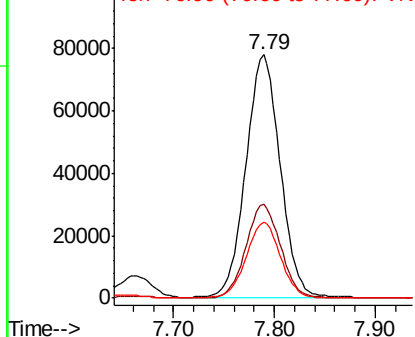


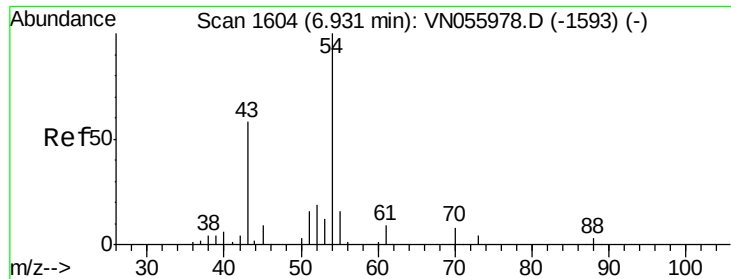
Abundance

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

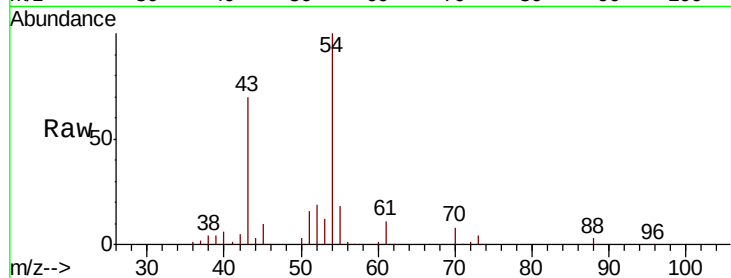




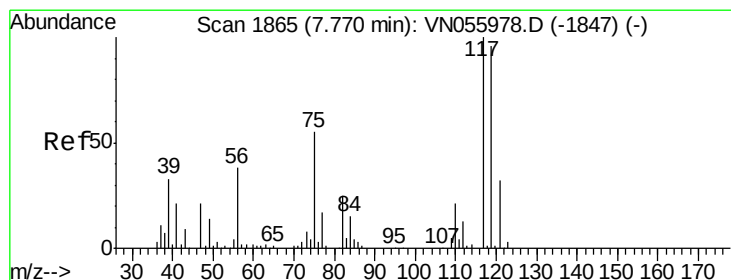
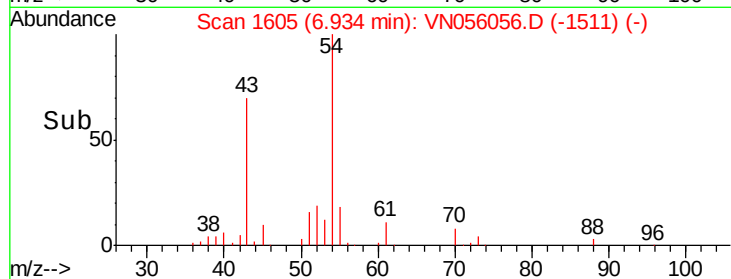
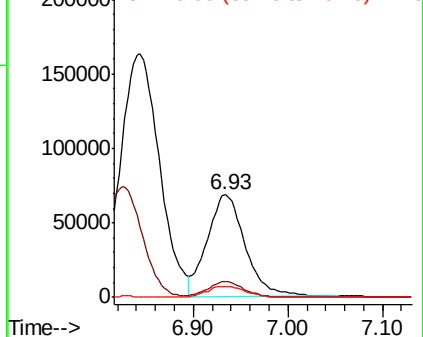
#37
Ethyl Acetate
Concen: 56.698 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

Tot Ion: 43 Resp: 190965
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.2
70 11.0 8.9 13.3

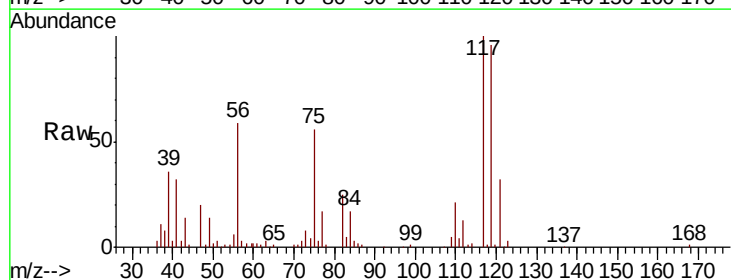


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

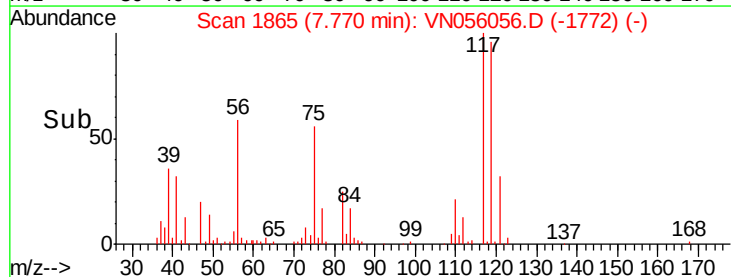
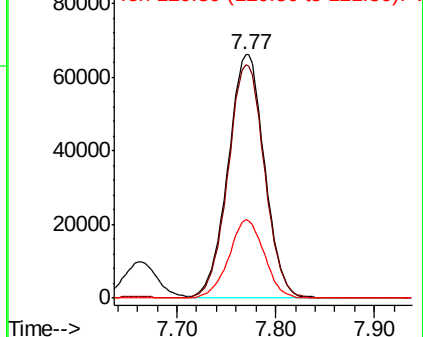


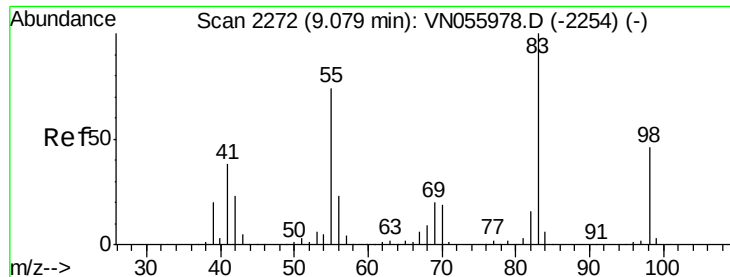
#38
Carbon Tetrachloride
Concen: 48.897 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 117 Resp: 170647
Ion Ratio Lower Upper
117 100
119 95.8 79.0 118.6
121 32.0 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

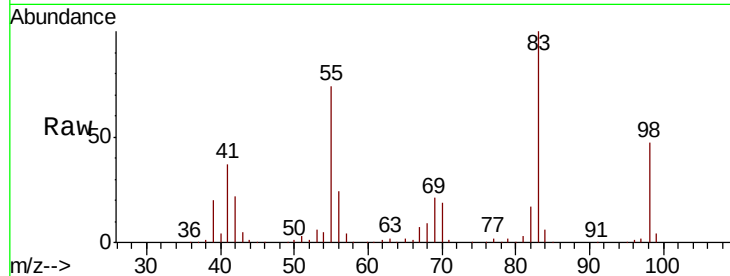




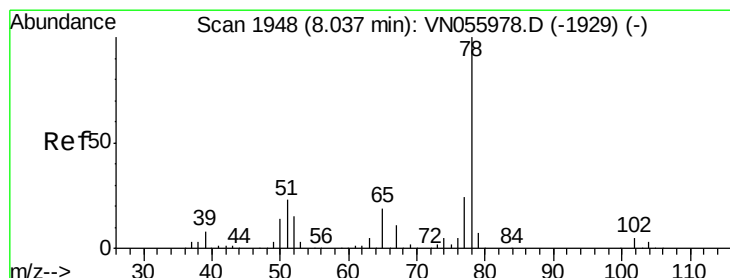
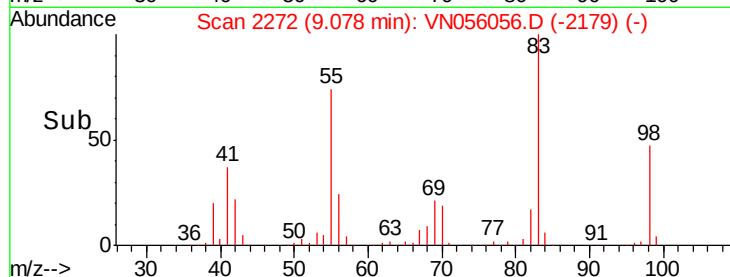
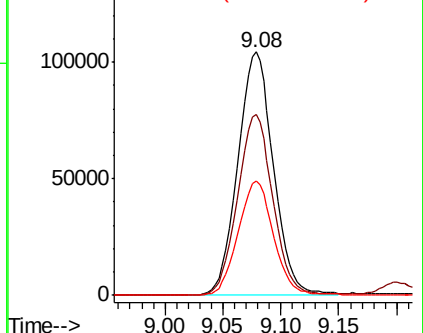
#39
Methylvlcyclohexane
Concen: 47.193 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

Tot Ion: 83 Resp: 222539
Ion Ratio Lower Upper
83 100
55 74.4 59.3 88.9
98 47.2 36.6 54.8

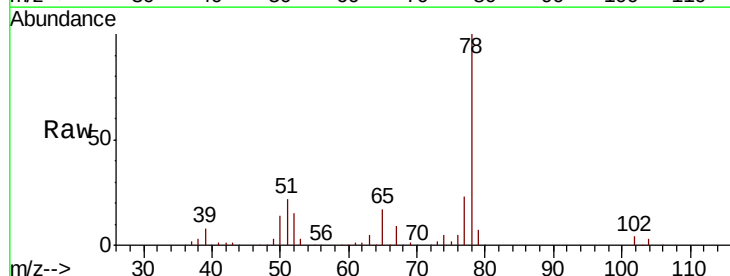


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

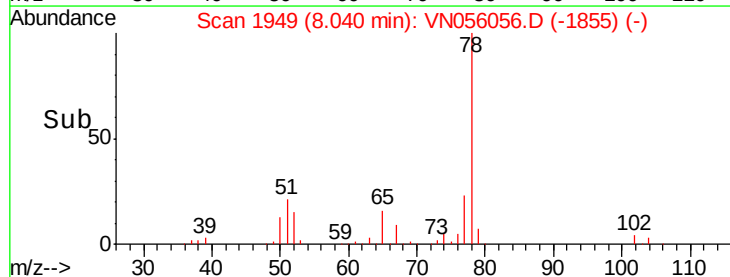
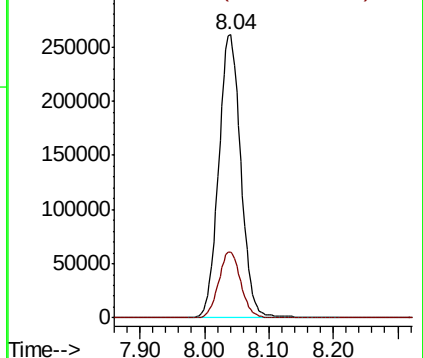


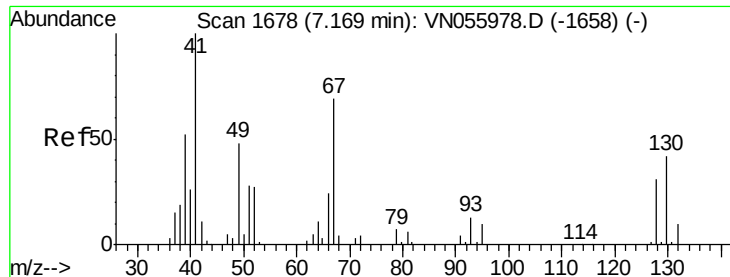
#40
Benzene
Concen: 54.230 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 78 Resp: 623490
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

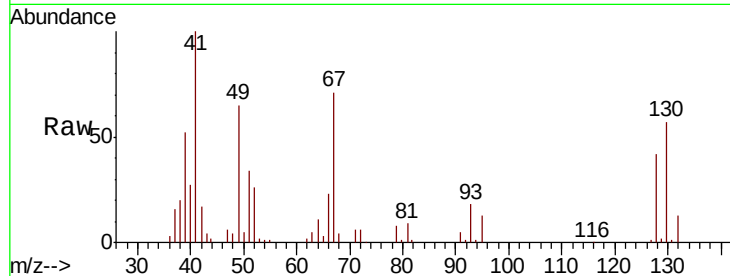




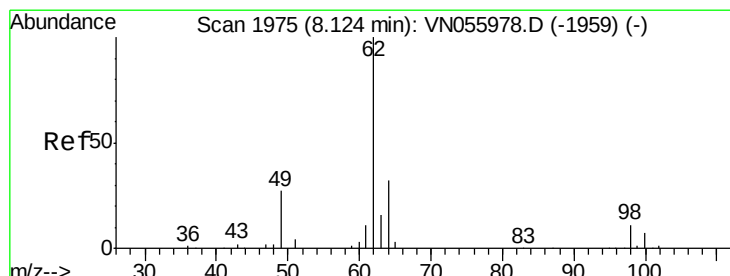
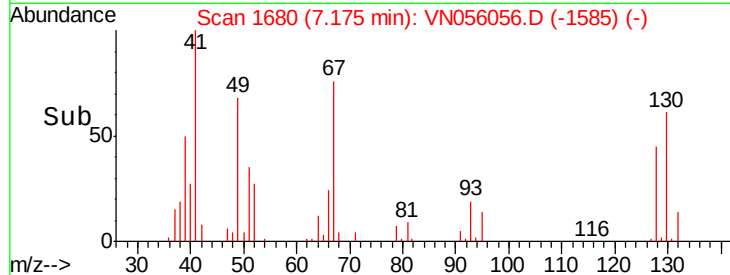
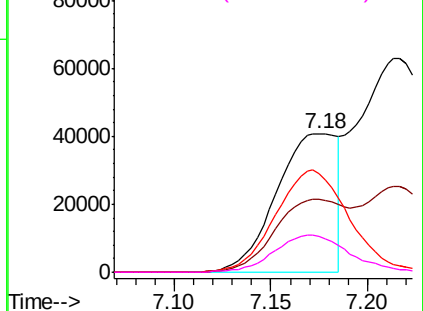
#41
Methacrylonitrile
Concen: 57.591 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

Tot Ion: 41 Resp: 89246
Ion Ratio Lower Upper
41 100
39 61.4 45.6 68.4
67 90.1 67.7 101.5
52 33.6 26.6 40.0

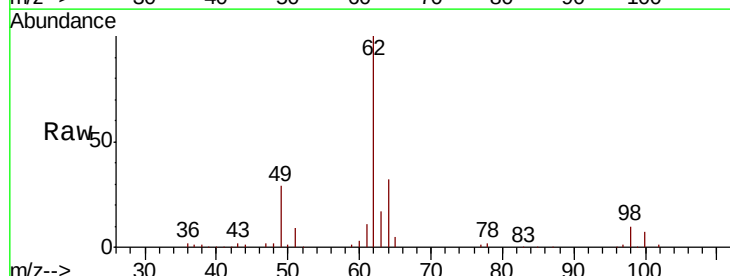


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

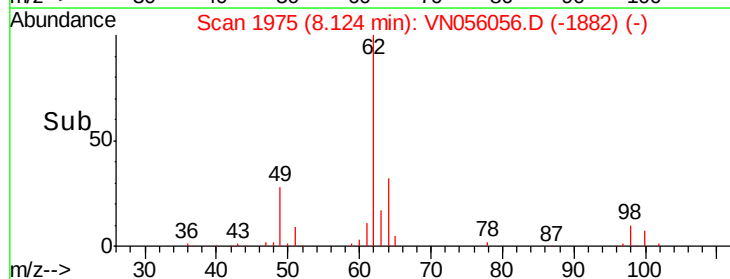
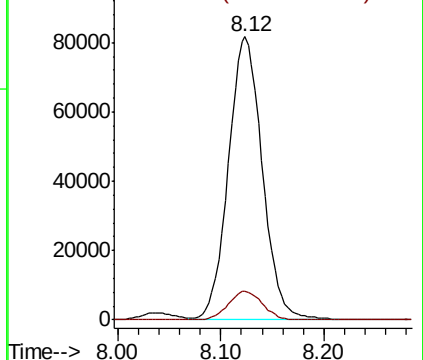


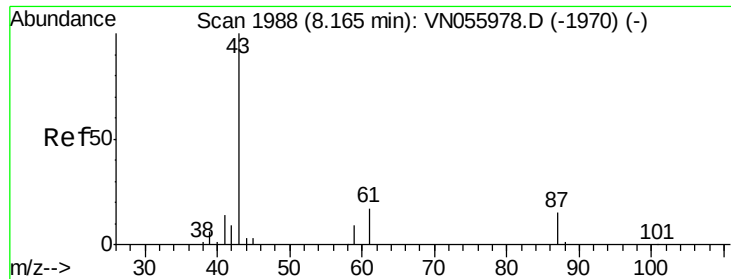
#42
1,2-Dichloroethane
Concen: 50.289 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 62 Resp: 185983
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 54.011 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

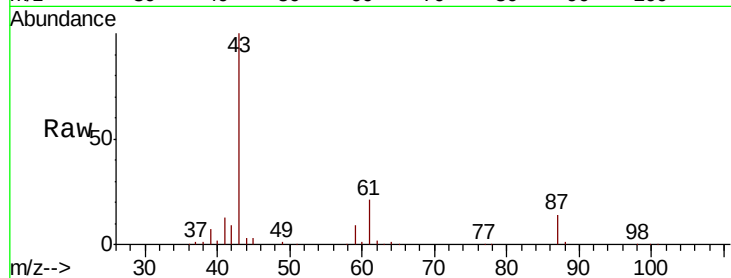
Tot Ion: 43 Resp: 294788

Ion Ratio Lower Upper

43 100

61 22.3 22.2 33.4

87 14.4 11.4 17.2

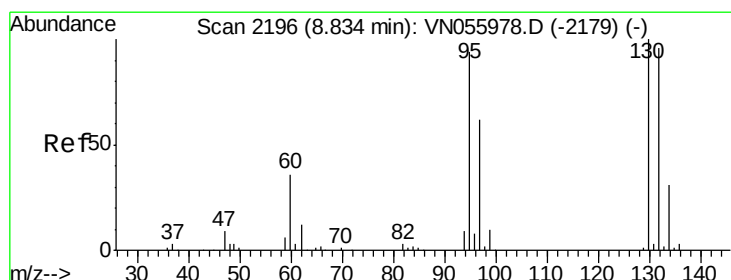
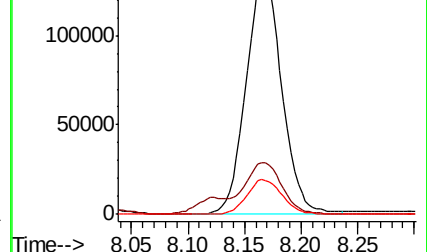
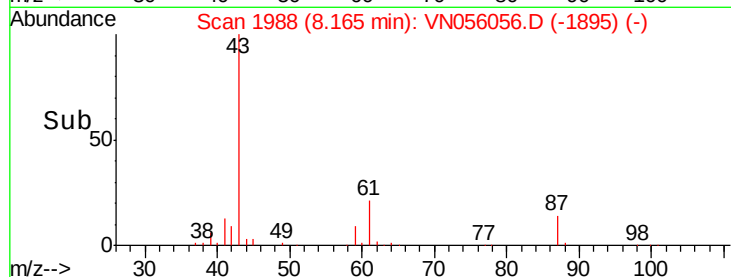


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

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

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

8.17



#44

Trichloroethene

Concen: 49.051 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056056.D

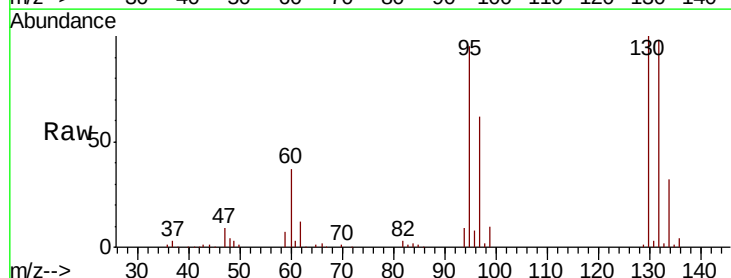
Acq: 6 Jun 2019 19:32

Tgt Ion:130 Resp: 162048

Ion Ratio Lower Upper

130 100

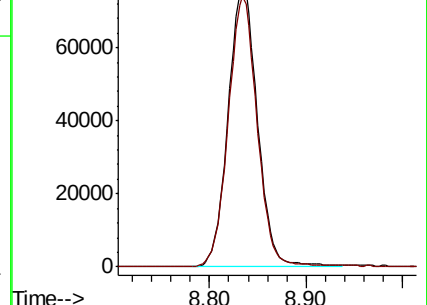
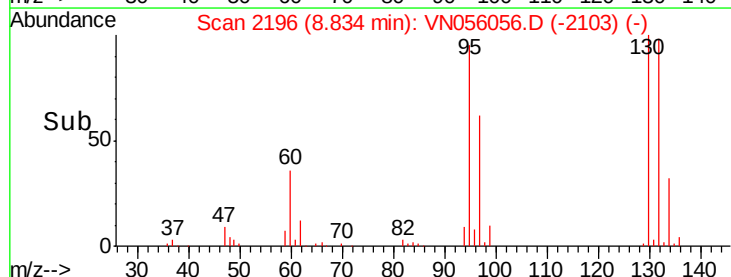
95 95.4 0.0 188.0

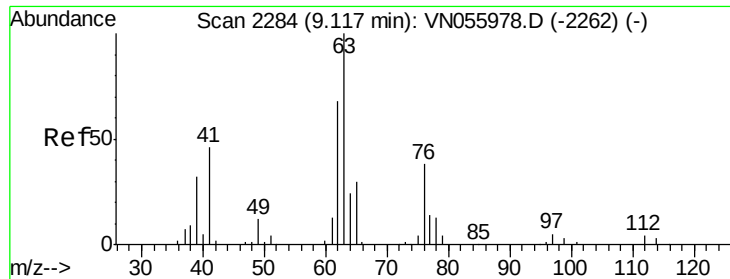


Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

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

8.83





#45

1,2-Dichloropropane

Concen: 52.128 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

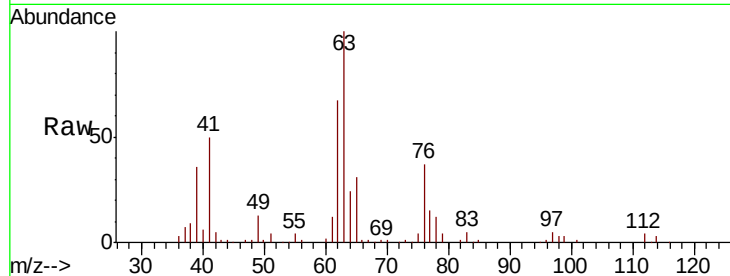
LF015RW050-190604MSD

Tot Ion: 63 Resp: 153513

Ion Ratio Lower Upper

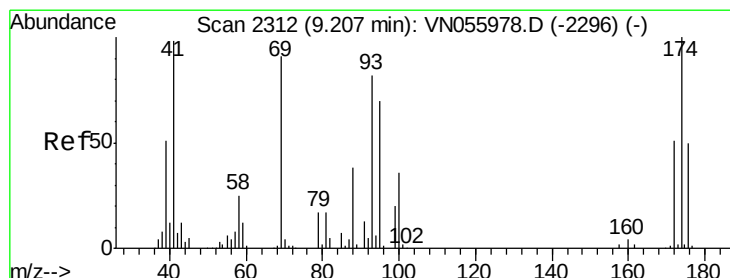
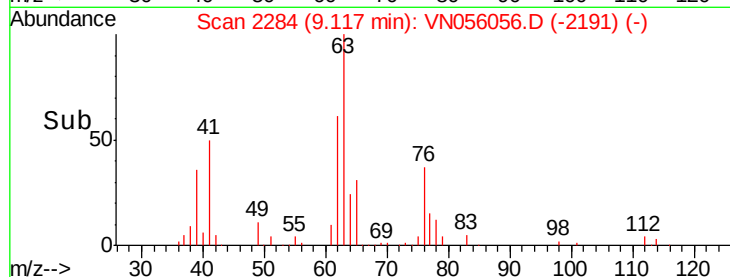
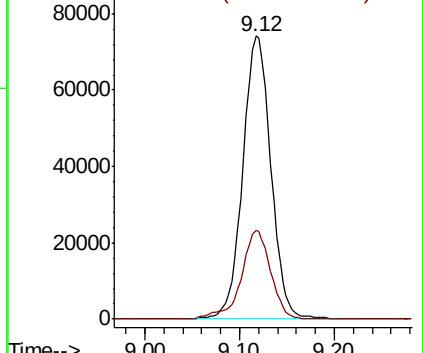
63 100

65 31.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.047 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

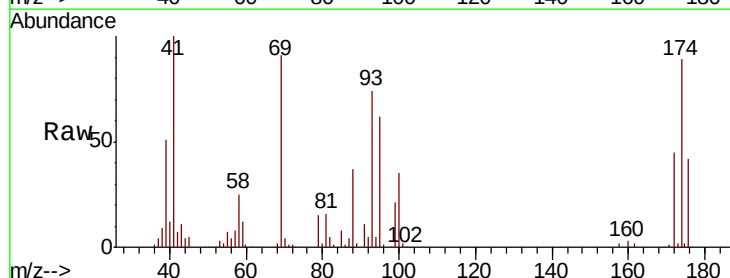
Tgt Ion: 93 Resp: 100230

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

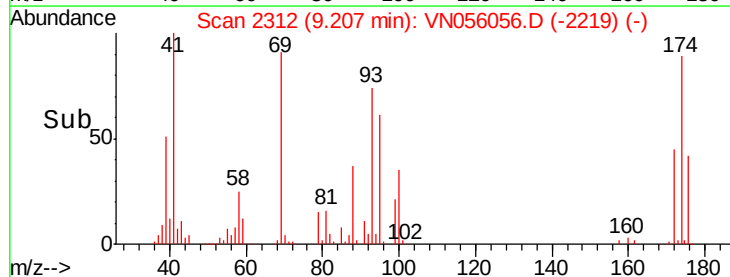
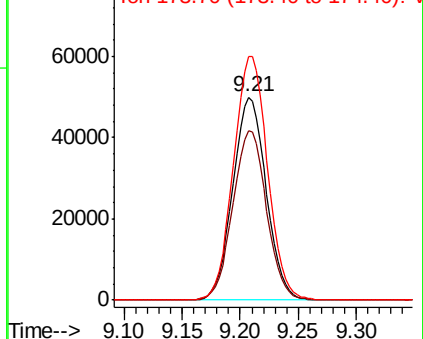
174 122.3 96.4 144.6

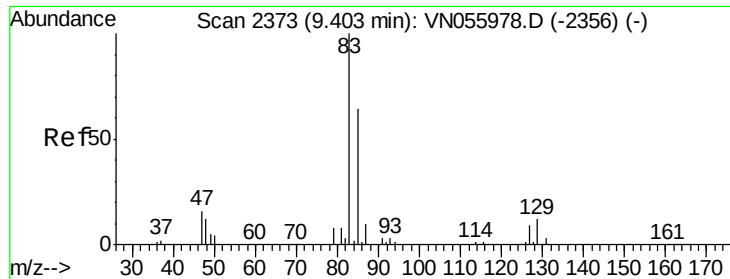


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

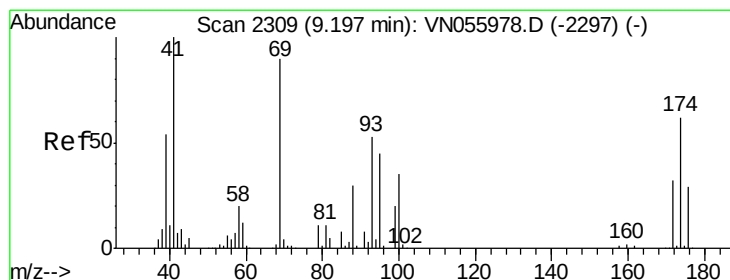
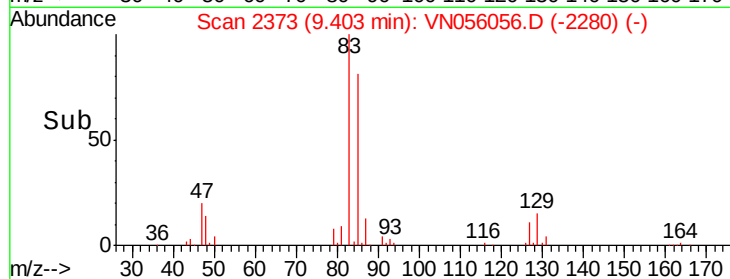
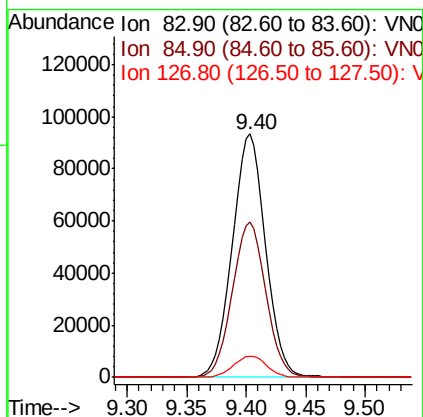
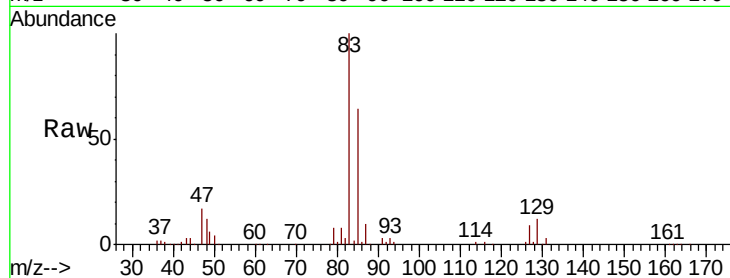




#47
Bromodichloromethane
Concen: 51.806 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

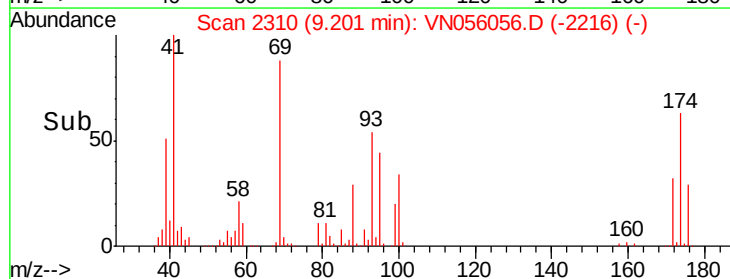
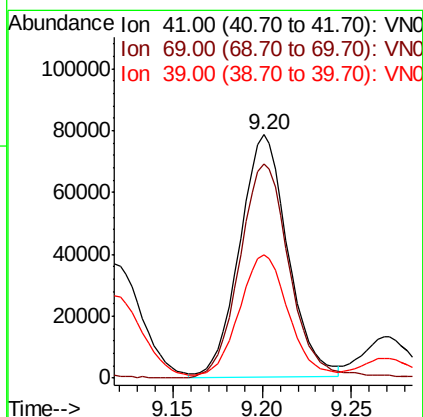
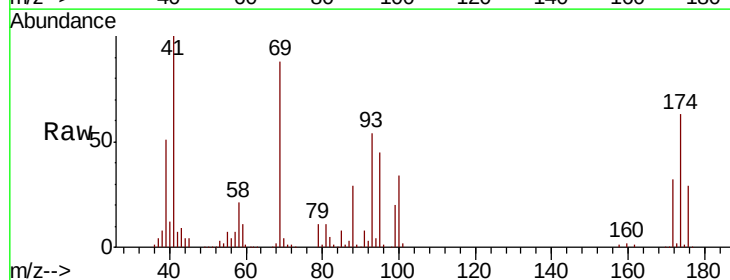
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

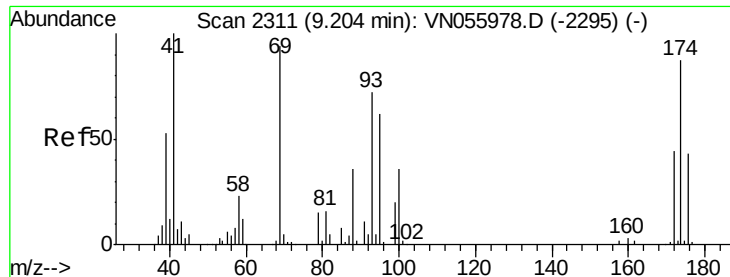
Tot Ion: 83 Resp: 180816
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.2
127 8.8 7.4 11.0



#48
Methyl methacrylate
Concen: 55.122 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 41 Resp: 147184
Ion Ratio Lower Upper
41 100
69 91.7 71.0 106.6
39 51.9 44.2 66.2

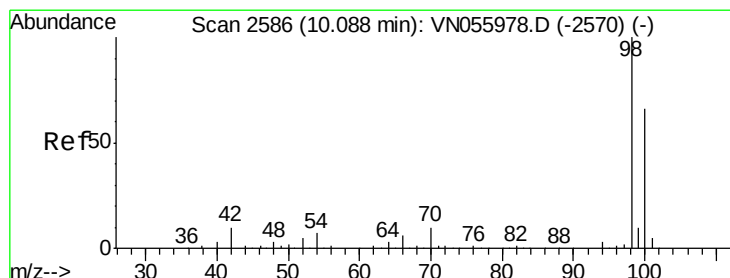
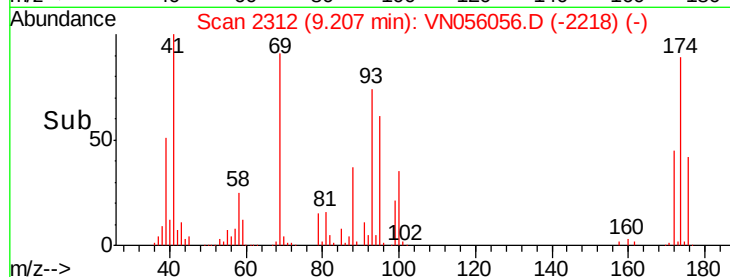
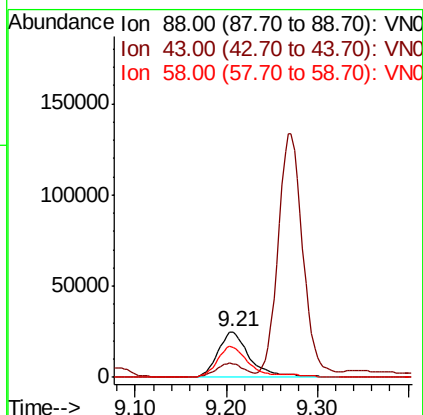
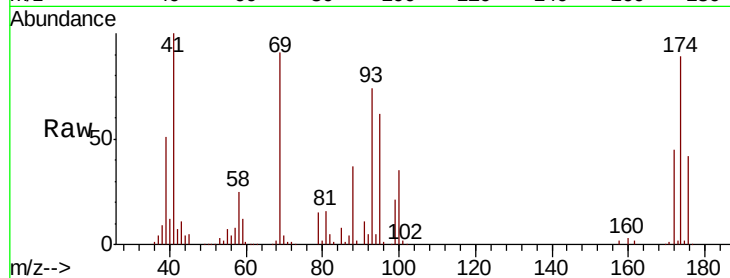




#49
 1,4-Dioxane
 Concen: 1065.716 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

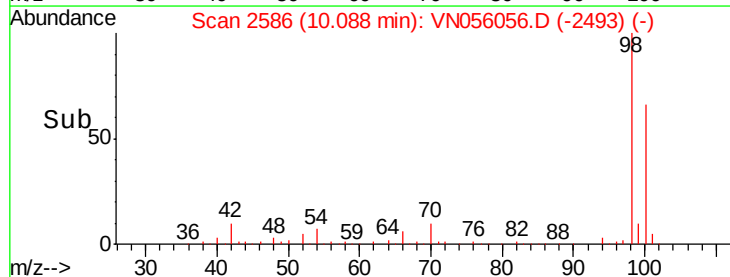
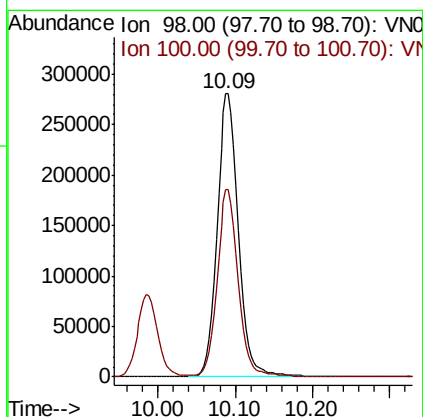
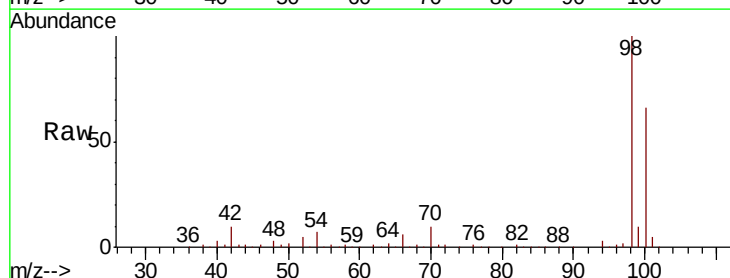
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

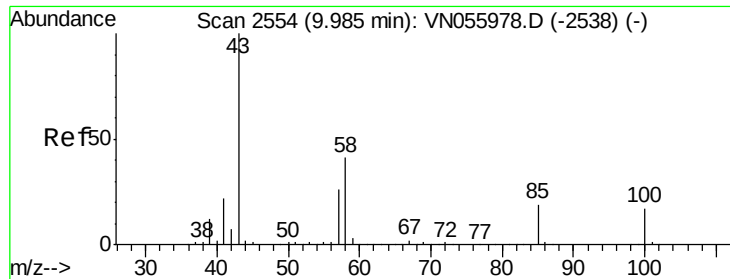
Tot Ion: 88 Resp: 61434
 Ion Ratio Lower Upper
 88 100
 43 25.1 20.5 30.7
 58 64.2 55.8 83.6



#50
 Toluene-d8
 Concen: 52.064 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion: 98 Resp: 541127
 Ion Ratio Lower Upper
 98 100
 100 65.9 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 275.132 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

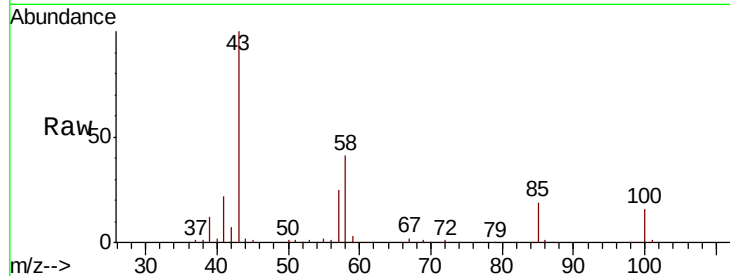
LF015RW050-190604MSD

Tot Ion: 43 Resp: 939054

Ion Ratio Lower Upper

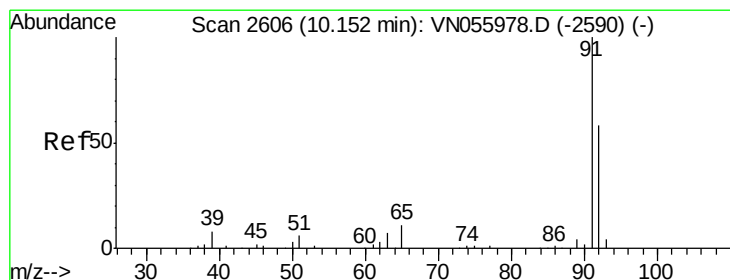
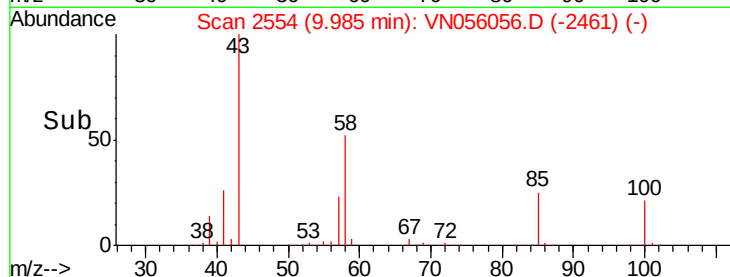
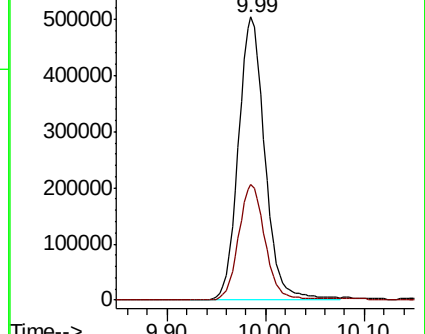
43 100

58 40.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.845 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056056.D

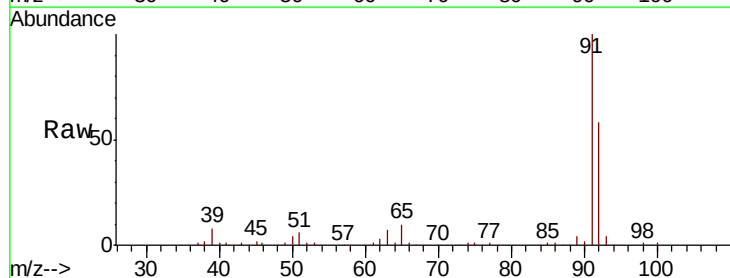
Acq: 6 Jun 2019 19:32

Tgt Ion: 92 Resp: 370915

Ion Ratio Lower Upper

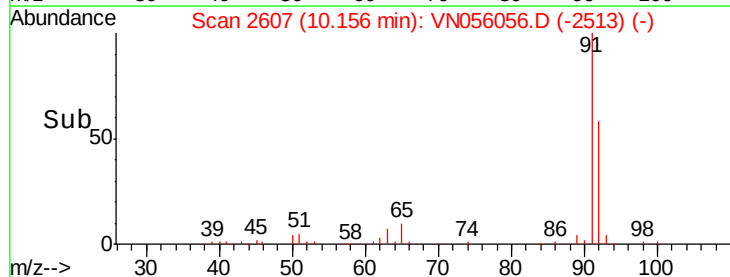
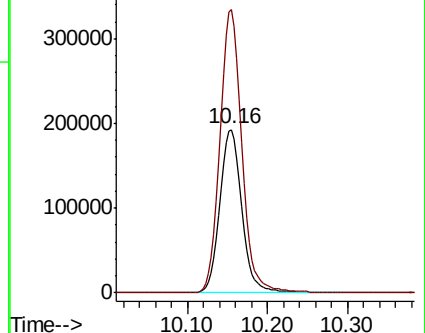
92 100

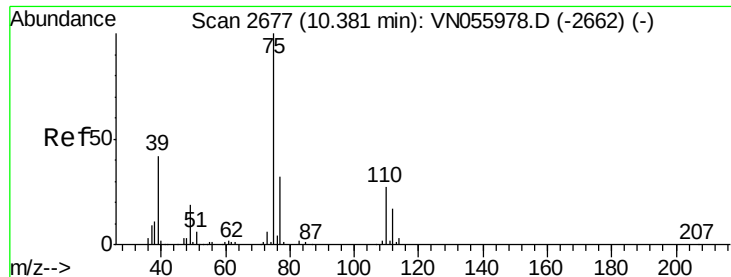
91 172.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 45.783 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

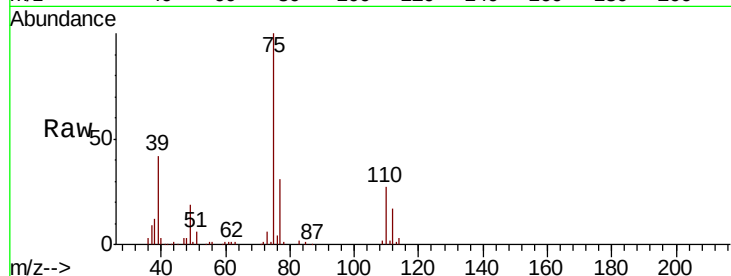
LF015RW050-190604MSD

Tot Ion: 75 Resp: 186479

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

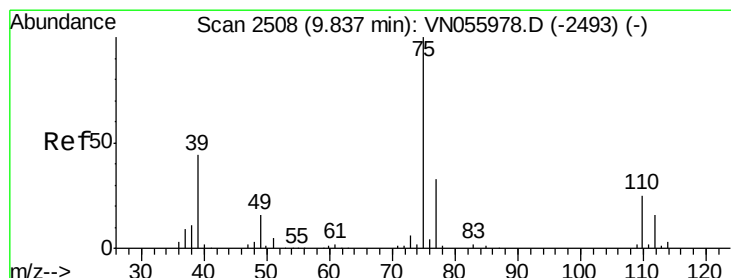
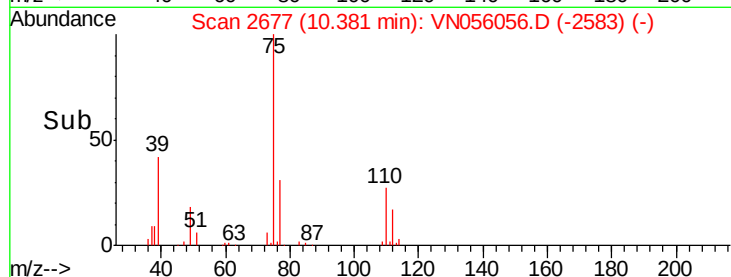
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.100 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

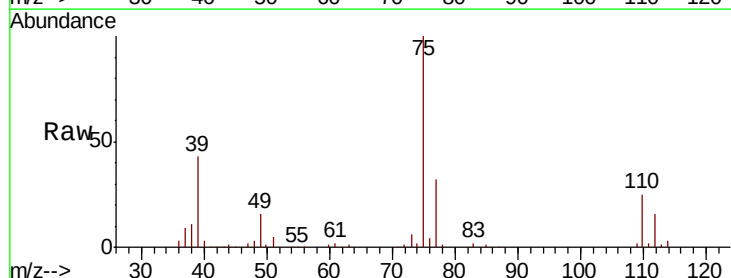
Tgt Ion: 75 Resp: 218576

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 42.7 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

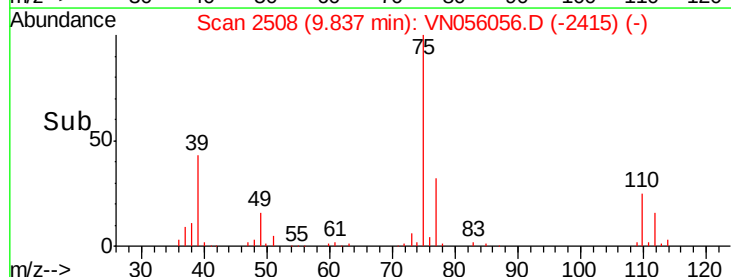
150000

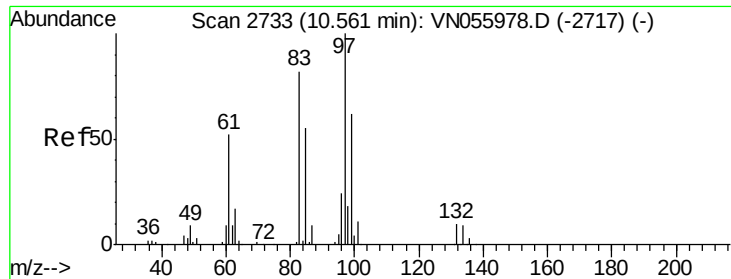
100000

50000

0

Time-->

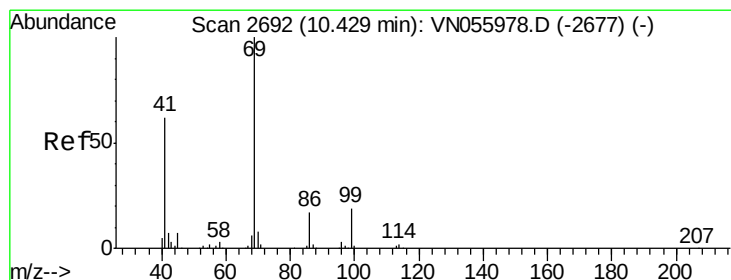
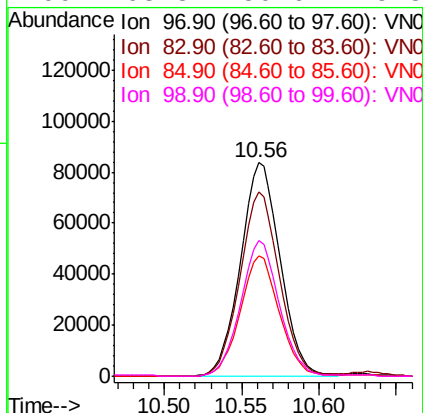
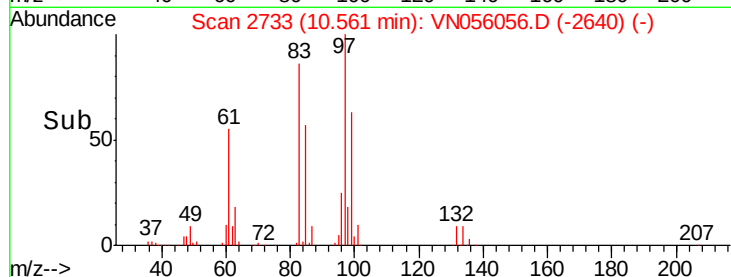
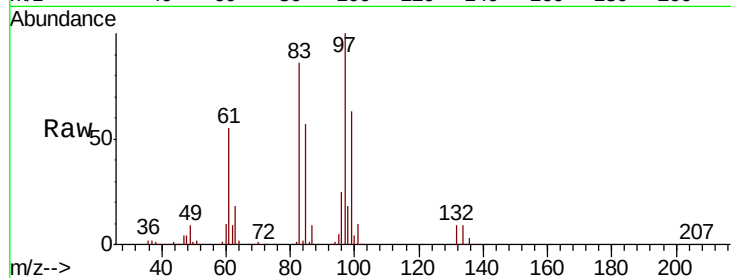




#55
 1,1,2-Trichloroethane
 Concen: 52.799 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

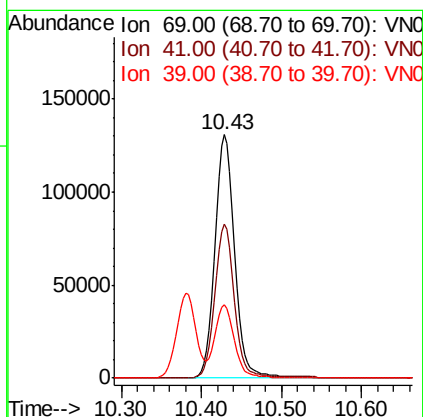
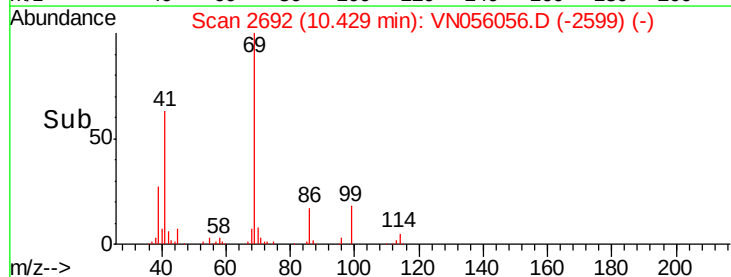
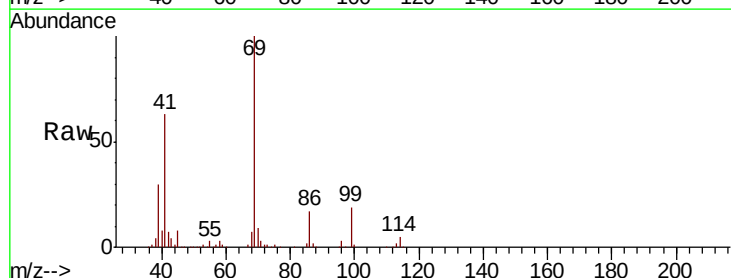
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

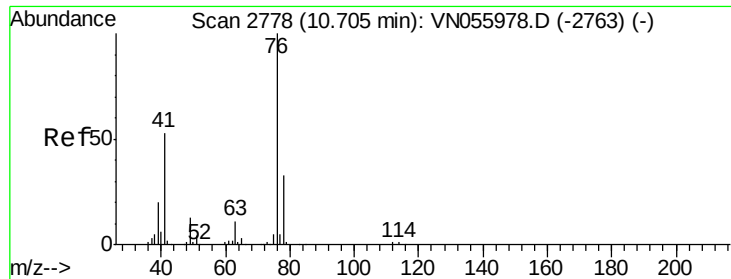
Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.0	100.6
85	56.6	44.0	66.0
99	63.3	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 54.585 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.7	74.5
39	29.3	24.7	37.1

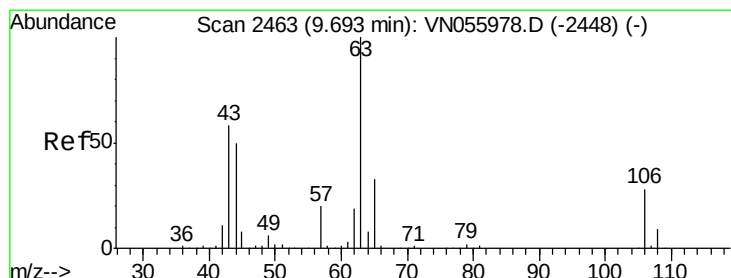
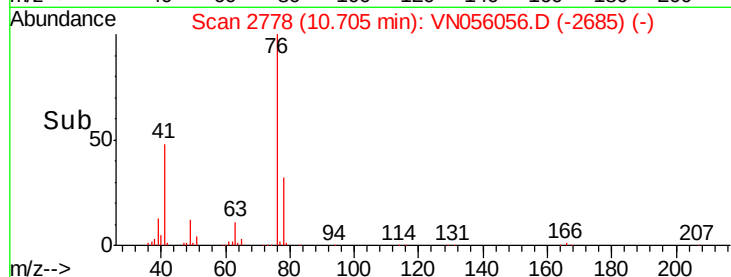
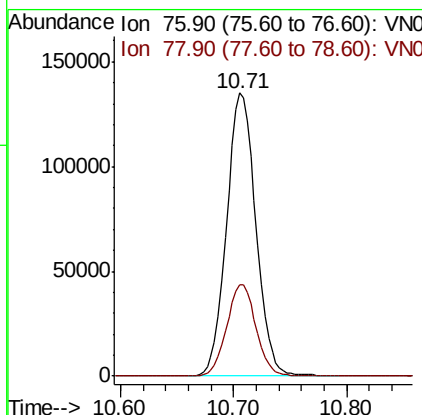
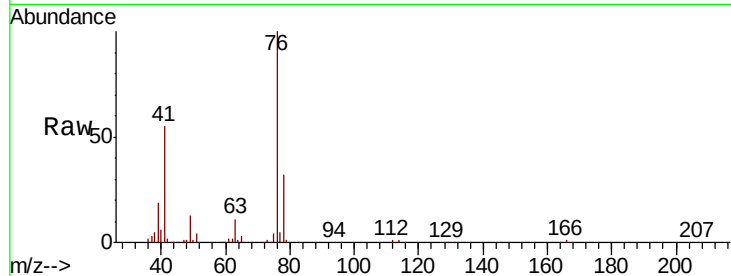




#57
 1,3-Dichloropropane
 Concen: 52.878 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

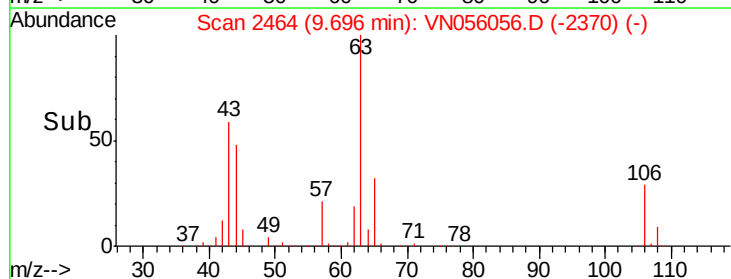
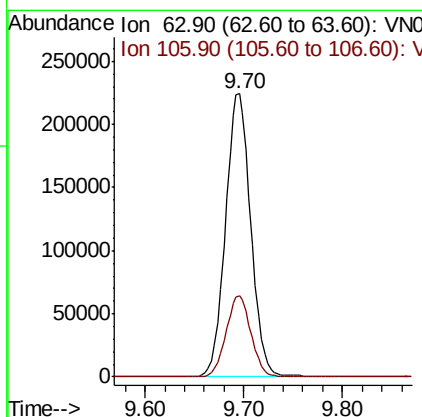
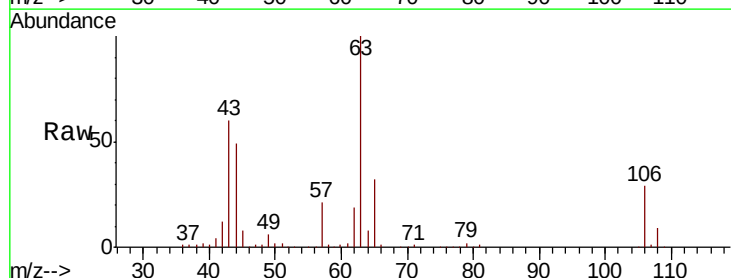
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

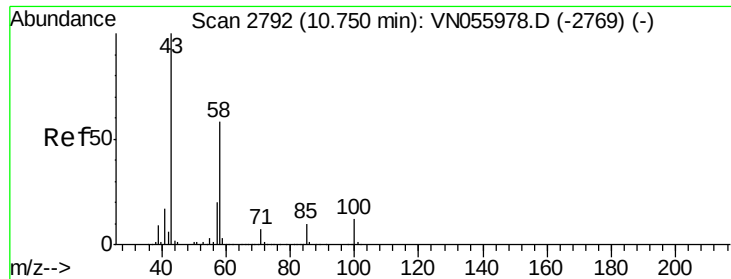
Tot Ion: 76 Resp: 243606
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.574 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion: 63 Resp: 402090
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1

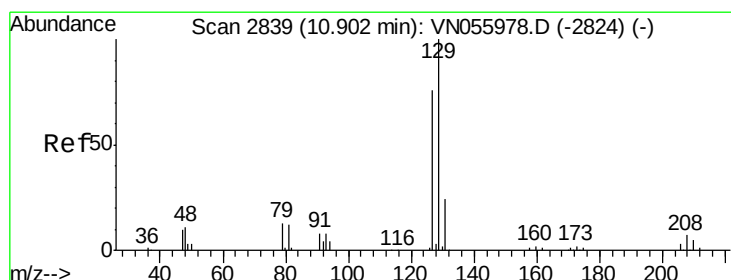
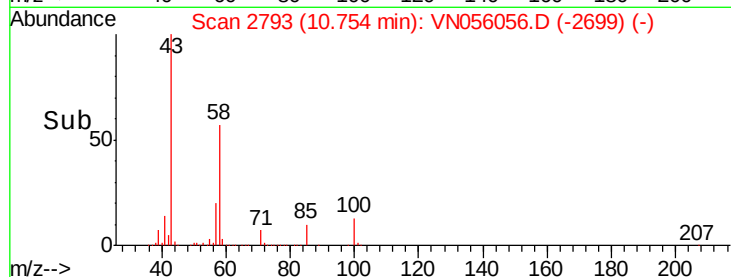
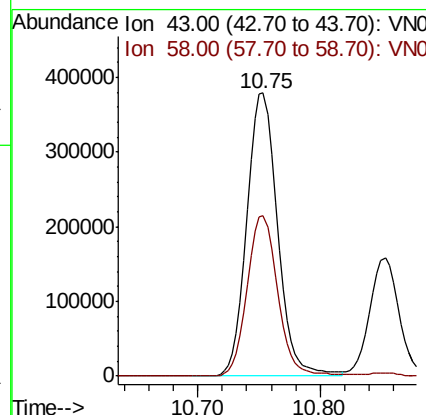
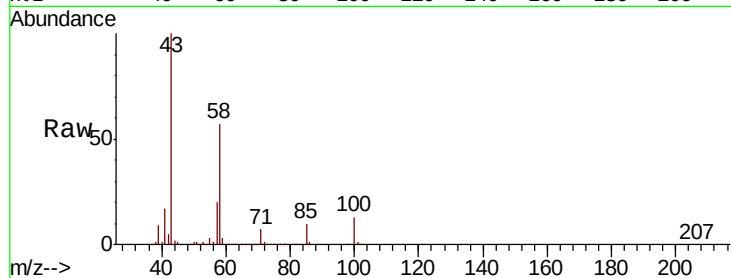




#59
2-Hexanone
Concen: 265.041 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

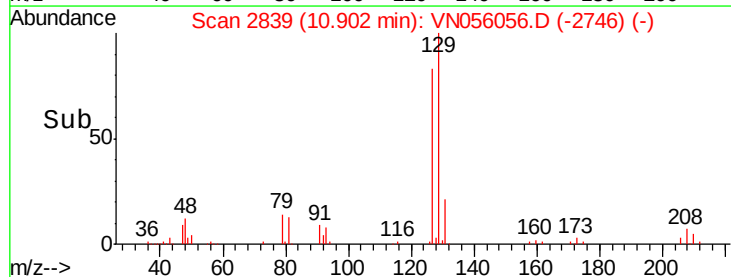
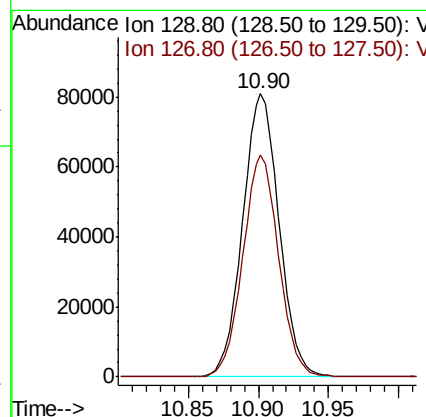
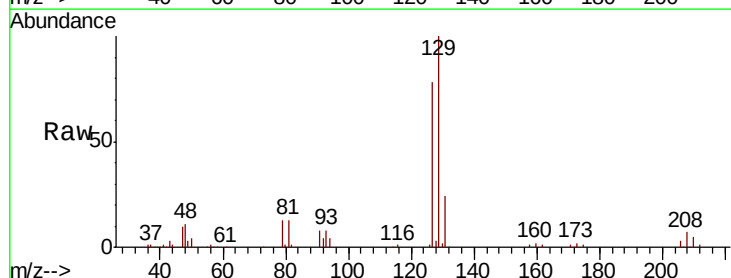
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

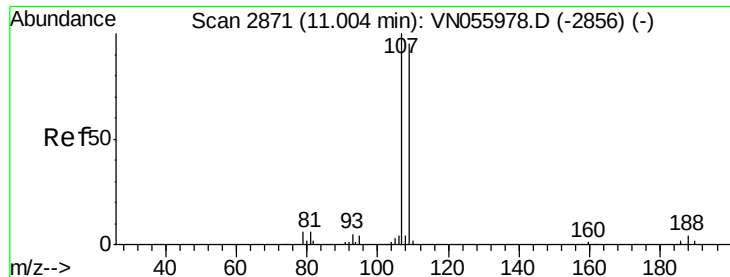
Tot Ion: 43 Resp: 655644
Ion Ratio Lower Upper
43 100
58 56.7 28.2 84.7



#60
Dibromochloromethane
Concen: 47.056 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 129 Resp: 146601
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3

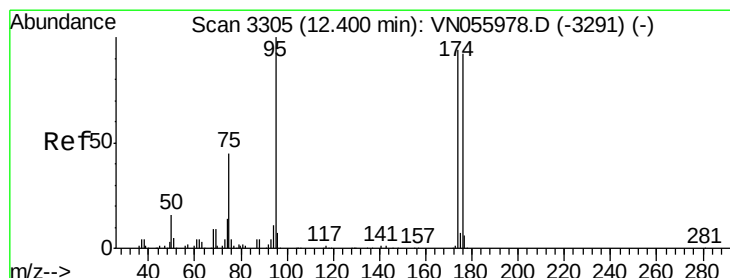
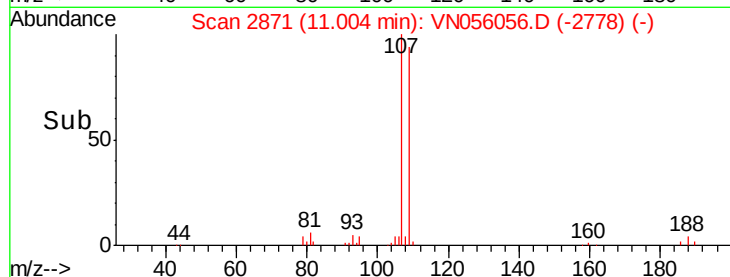
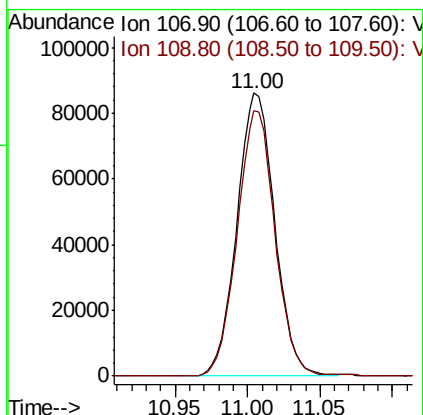
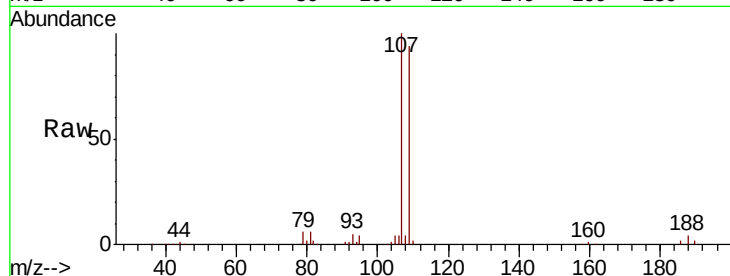




#61
 1,2-Dibromoethane
 Concen: 53.860 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

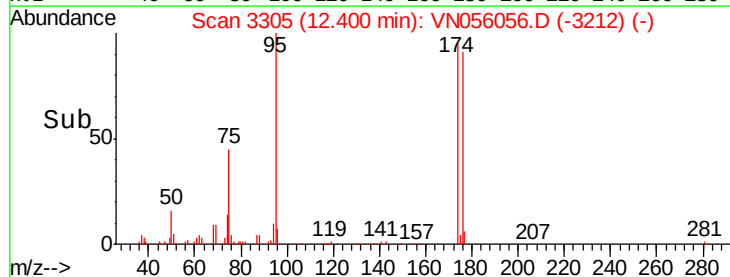
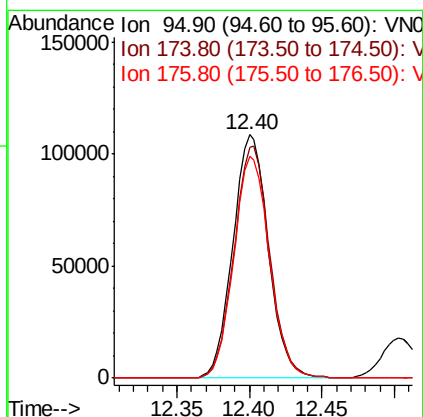
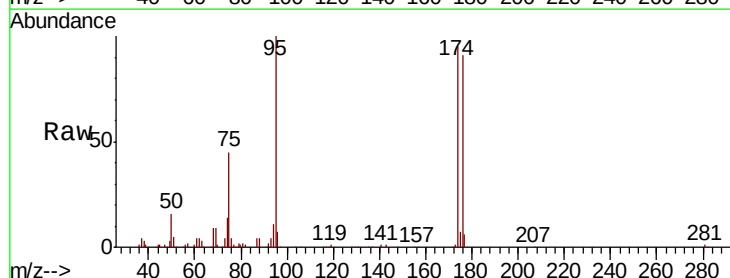
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

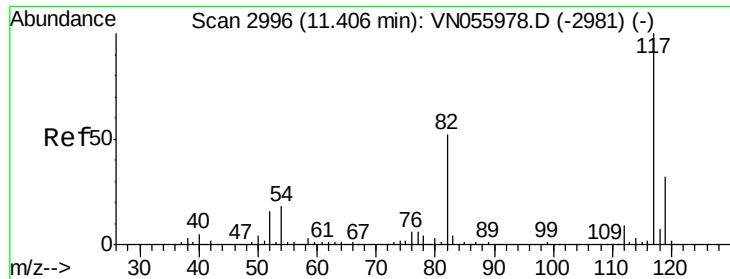
Tot Ion: 107 Resp: 156038
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 52.229 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion: 95 Resp: 184606
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 191.0
 176 91.7 0.0 185.2

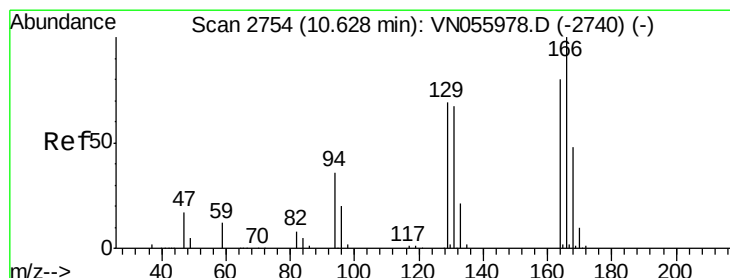
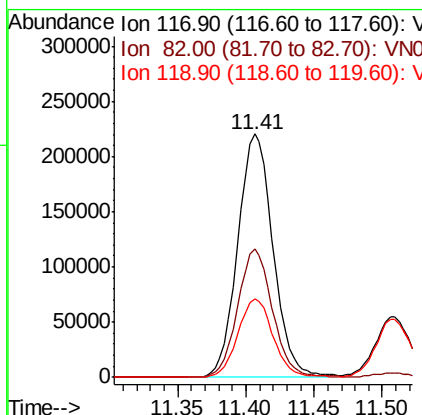
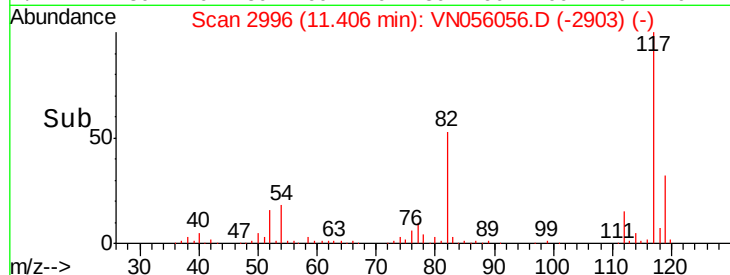
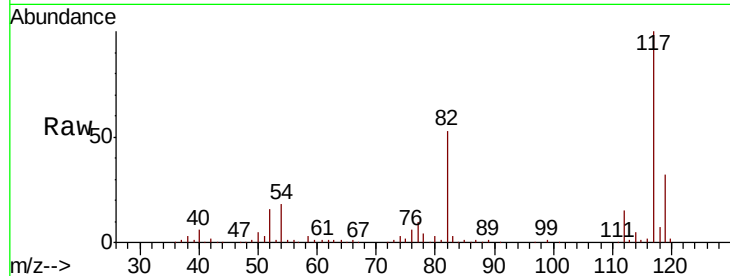




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

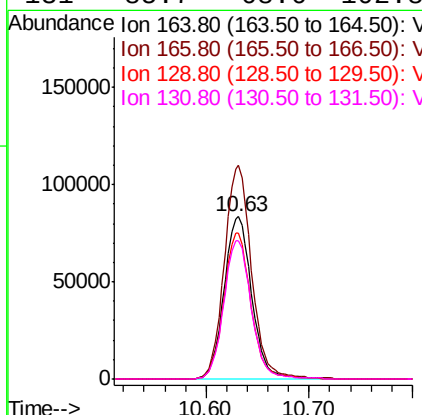
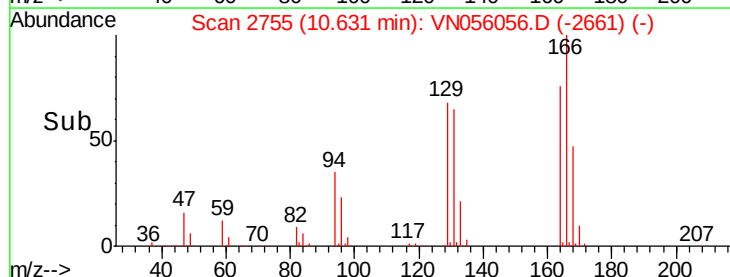
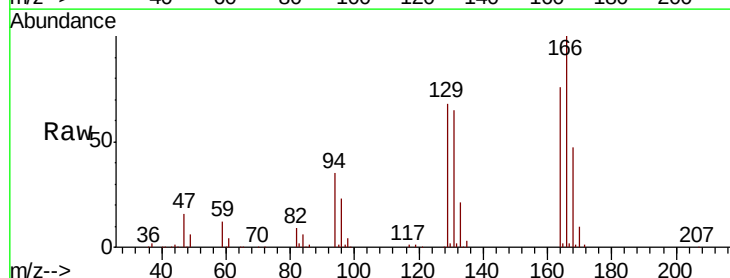
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

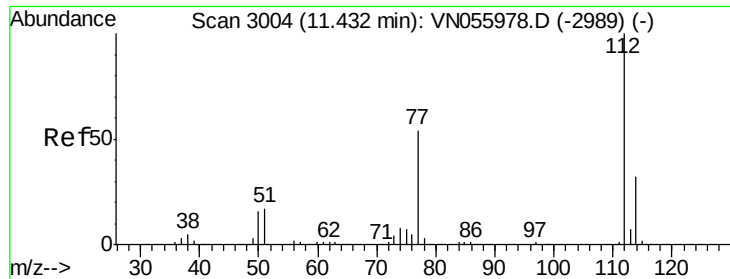
Tot Ion:117 Resp: 396773
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 45.548 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion:164 Resp: 156434
Ion Ratio Lower Upper
164 100
166 131.8 103.0 154.6
129 90.0 70.6 105.8
131 85.7 68.6 102.8

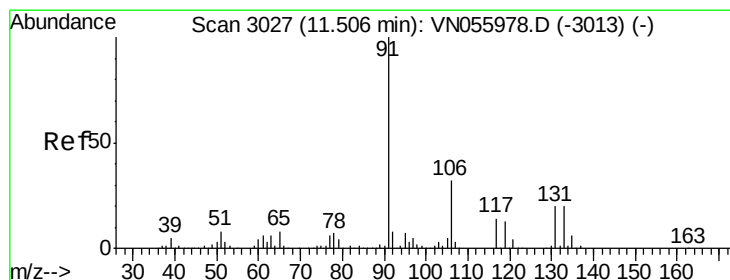
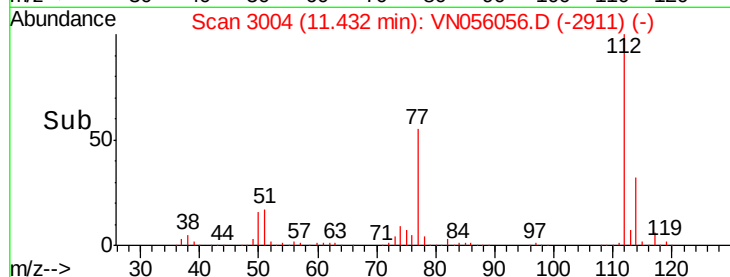
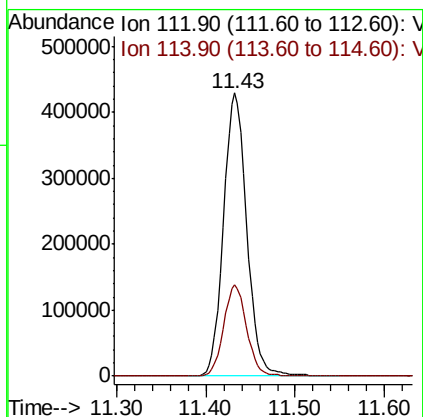
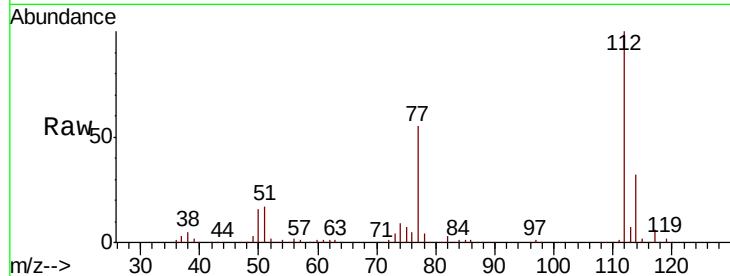




#65
Chlorobenzene
Concen: 98.120 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

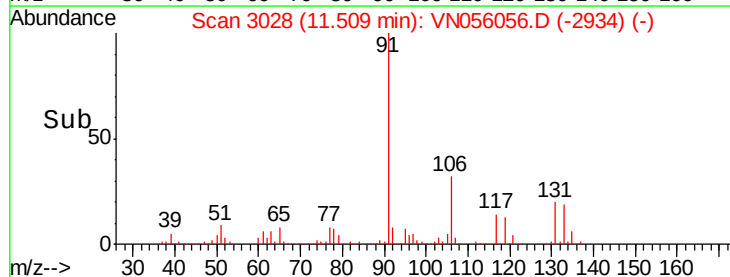
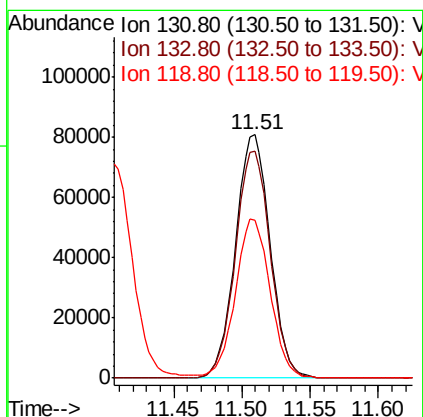
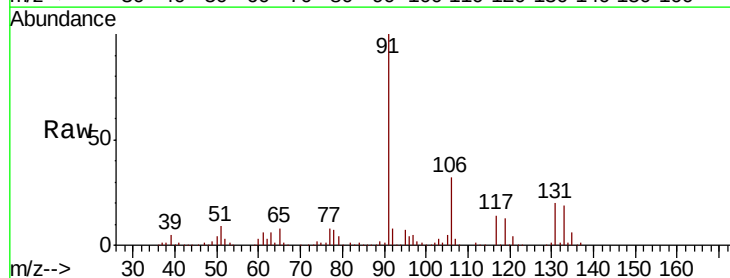
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

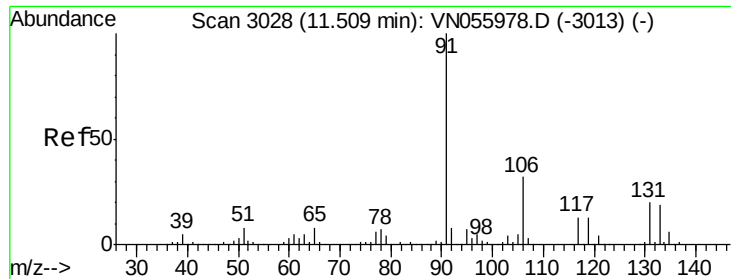
Tot Ion:112 Resp: 774813
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.414 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion:131 Resp: 142911
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.0
119 65.6 33.1 99.5

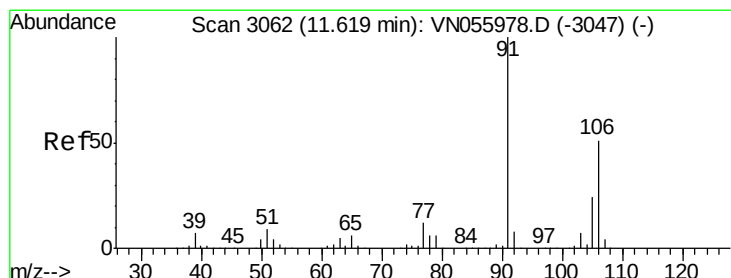
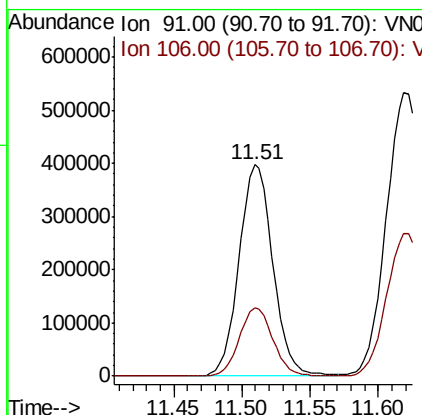
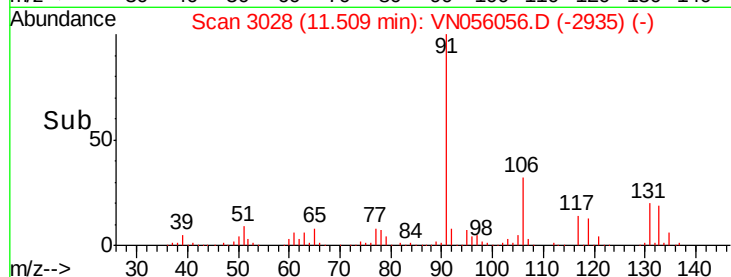
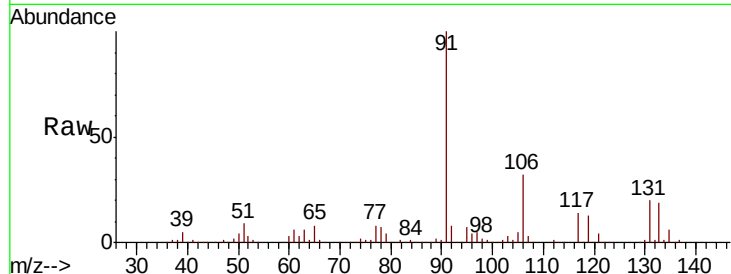




#67
Ethyl Benzene
Concen: 49.969 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

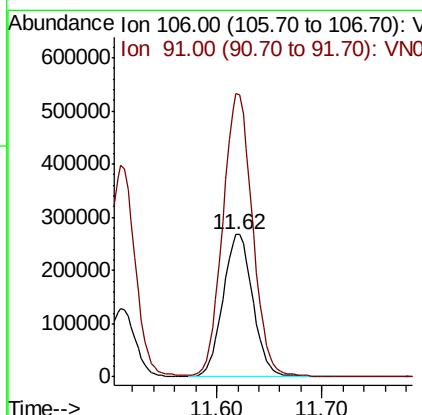
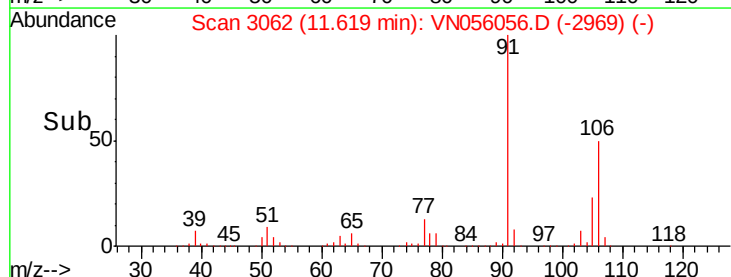
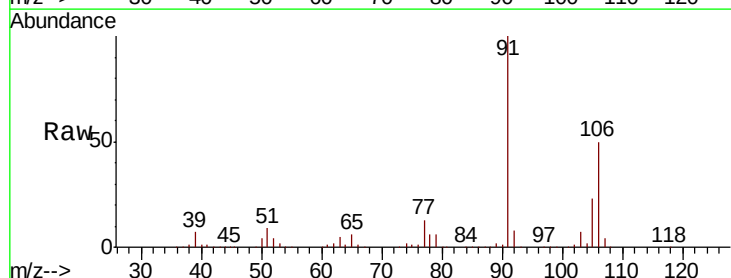
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

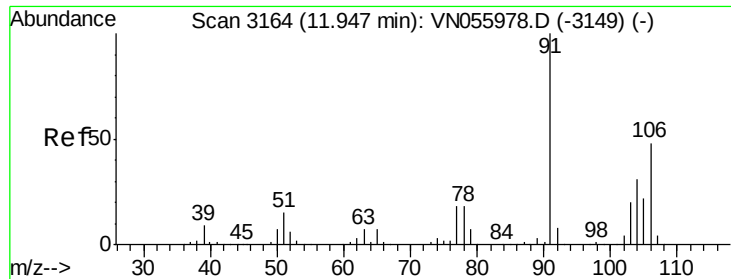
Tot Ion: 91 Resp: 686113
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7



#68
m/p-Xylenes
Concen: 100.236 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 106 Resp: 525770
Ion Ratio Lower Upper
106 100
91 198.2 159.3 238.9

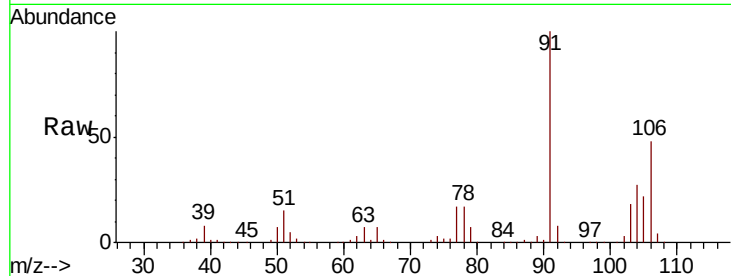




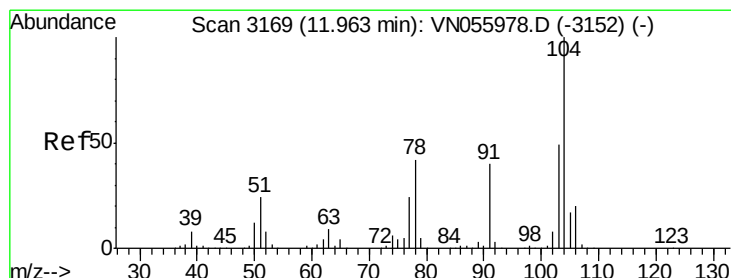
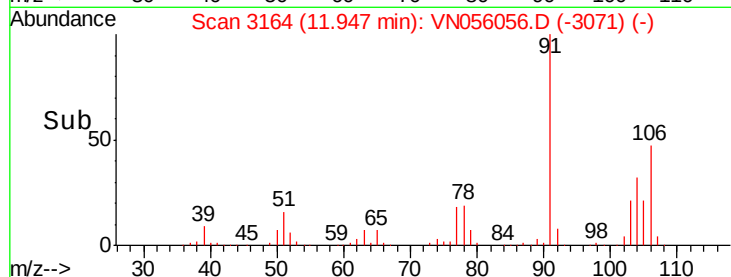
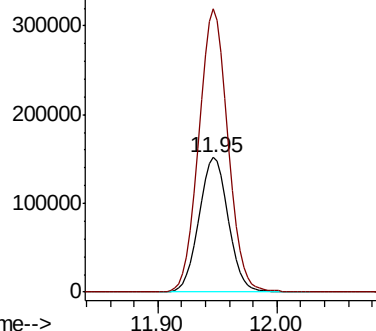
#69
o-Xylene
Concen: 50.470 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

Tot Ion:106 Resp: 260409
Ion Ratio Lower Upper
106 100
91 207.5 104.7 314.1

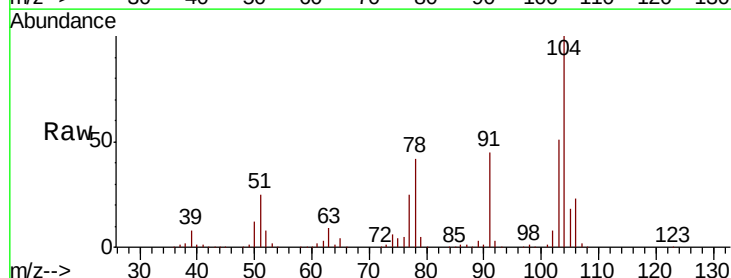


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

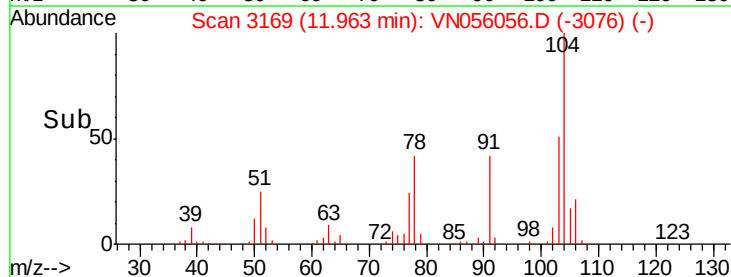
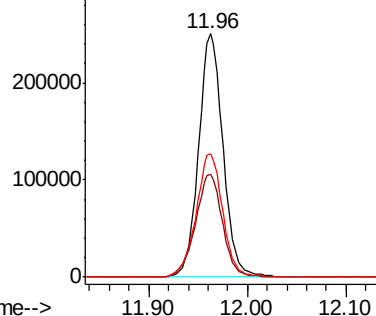


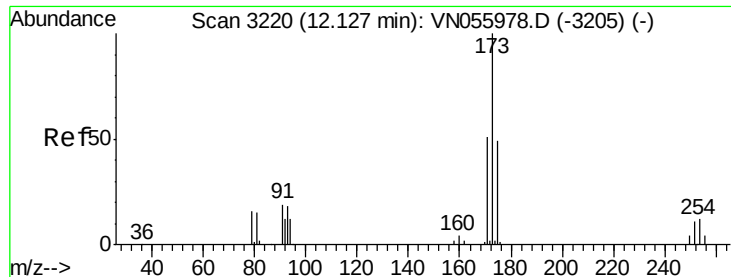
#70
Styrene
Concen: 52.823 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion:104 Resp: 433037
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 55.2 44.2 66.2



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





#71

Bromoform

Concen: 45.650 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

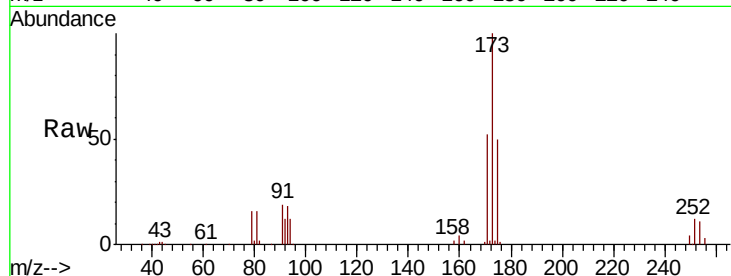
Tot Ion:173 Resp: 103922

Ion Ratio Lower Upper

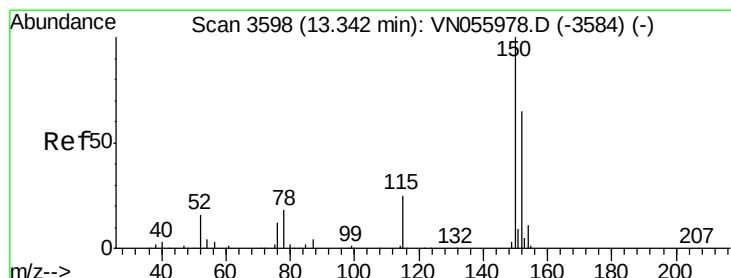
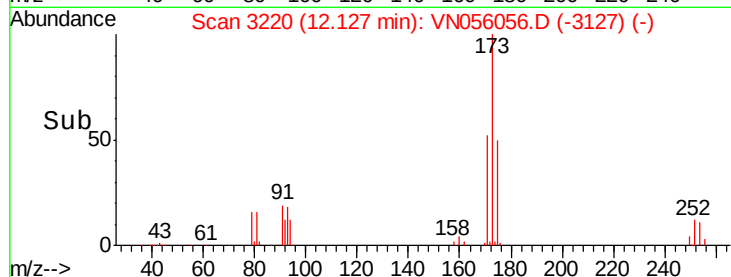
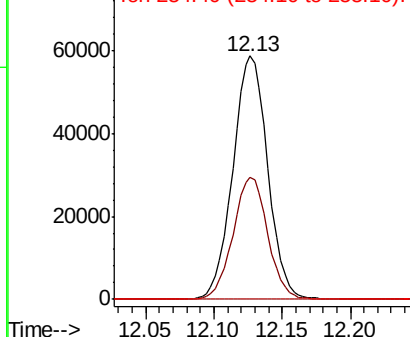
173 100

175 49.8 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: VN056056.D

Acq: 6 Jun 2019 19:32

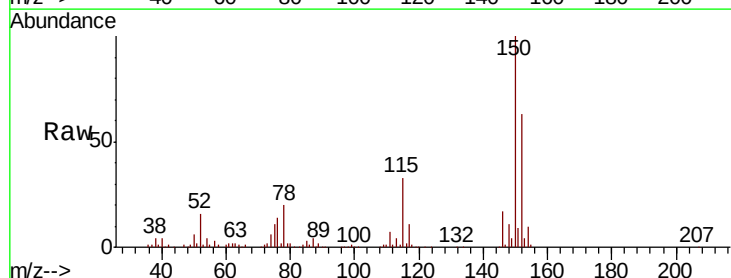
Tgt Ion:152 Resp: 179460

Ion Ratio Lower Upper

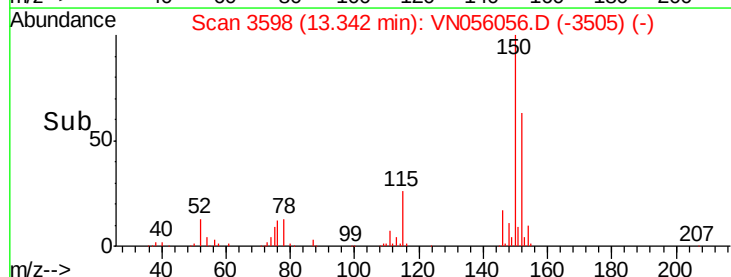
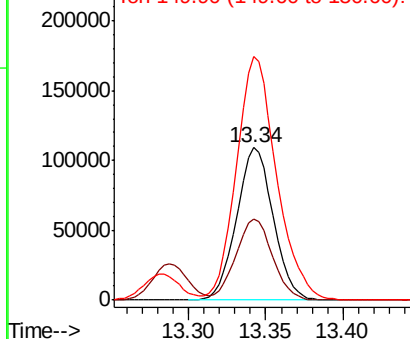
152 100

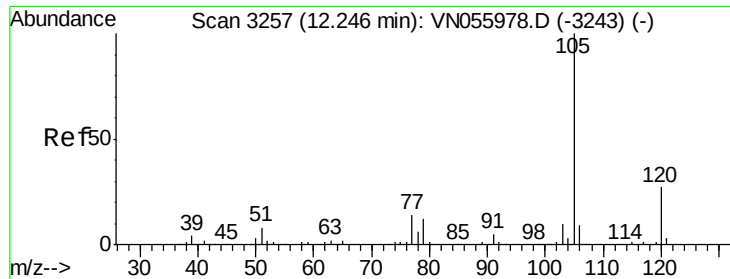
115 53.2 27.0 81.0

150 175.2 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: 52.986 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

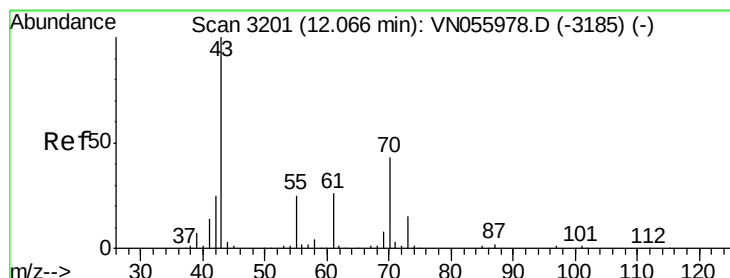
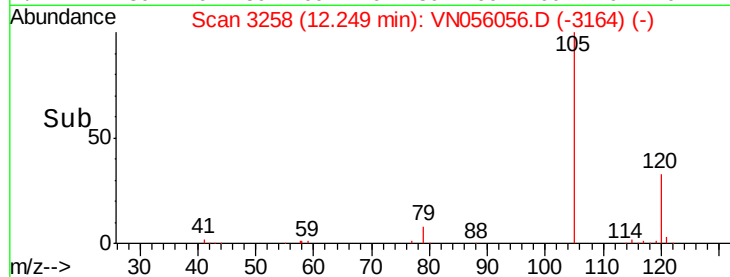
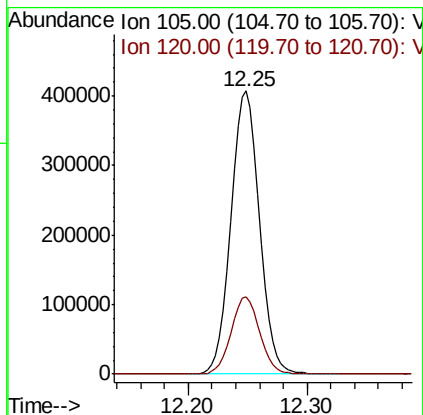
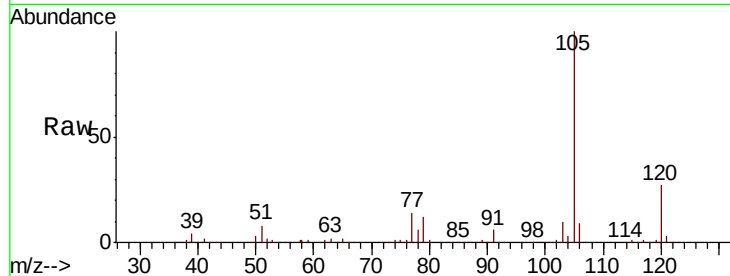
LF015RW050-190604MSD

Tot Ion:105 Resp: 675940

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 51.087 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Tgt Ion: 43 Resp: 244390

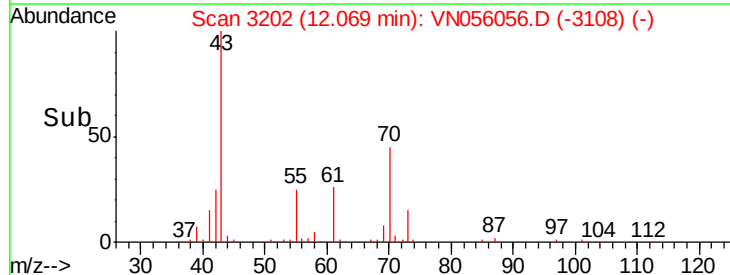
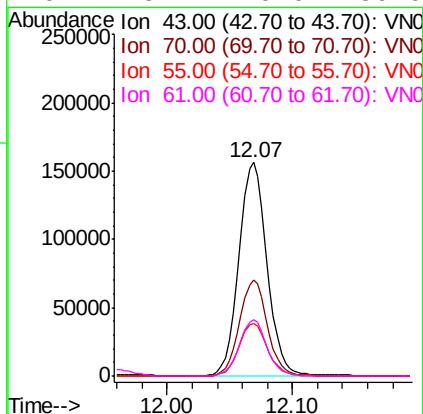
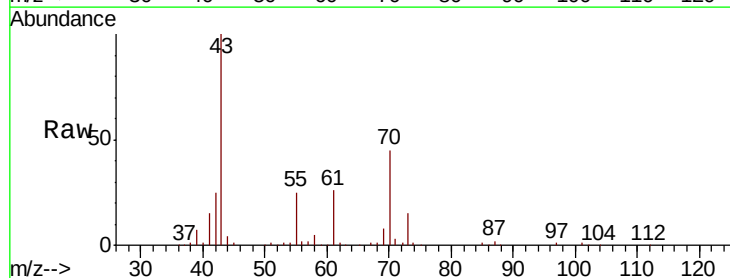
Ion Ratio Lower Upper

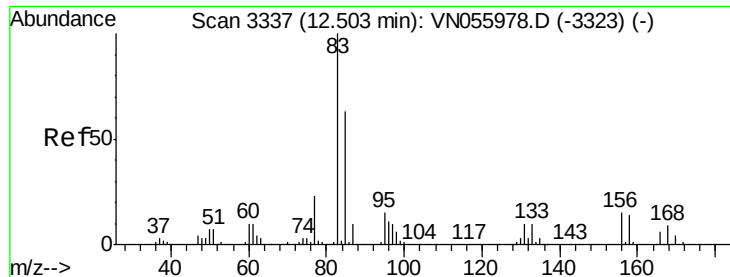
43 100

70 44.6 34.0 51.0

55 25.1 18.6 28.0

61 25.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.788 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

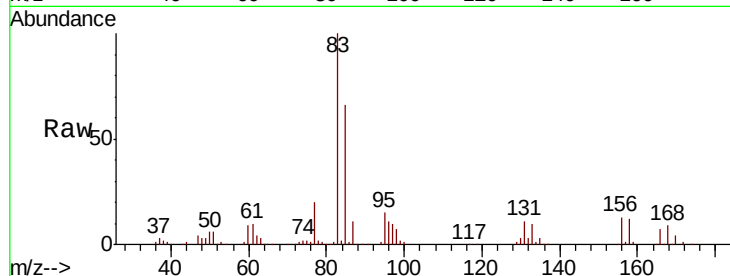
Tot Ion: 83 Resp: 207420

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

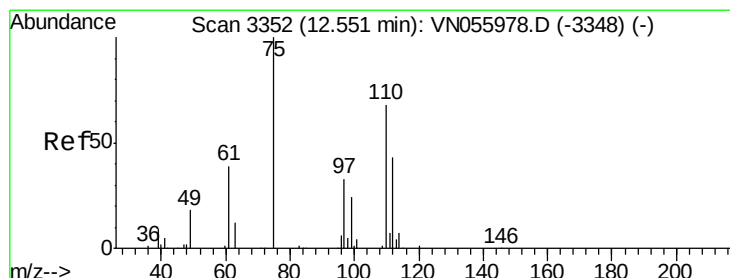
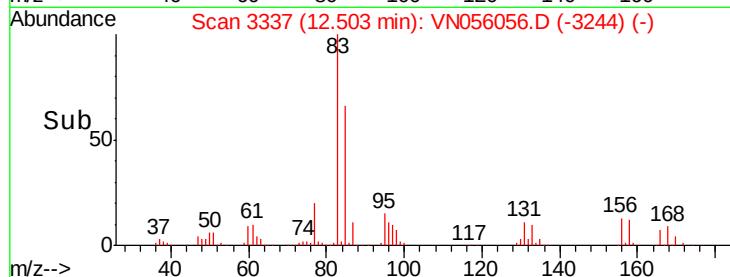
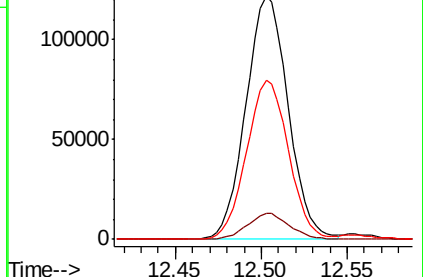
85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 71.806 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056056.D

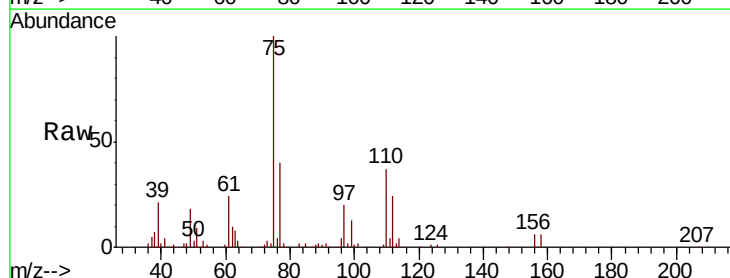
Acq: 6 Jun 2019 19:32

Tgt Ion: 75 Resp: 237115

Ion Ratio Lower Upper

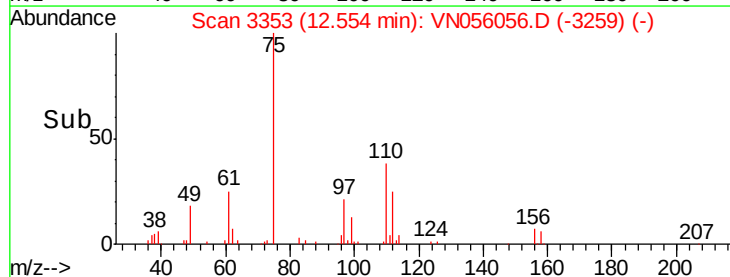
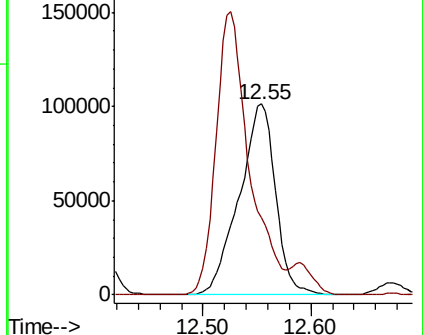
75 100

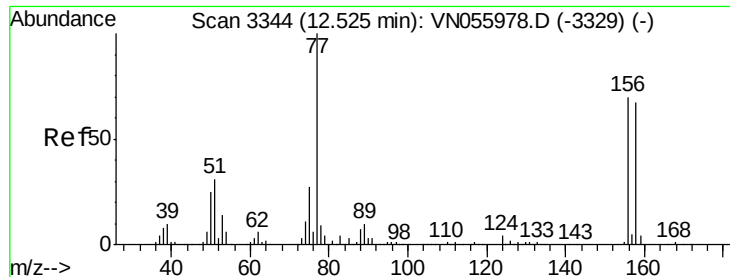
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)





#77

Bromobenzene

Concen: 47.857 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

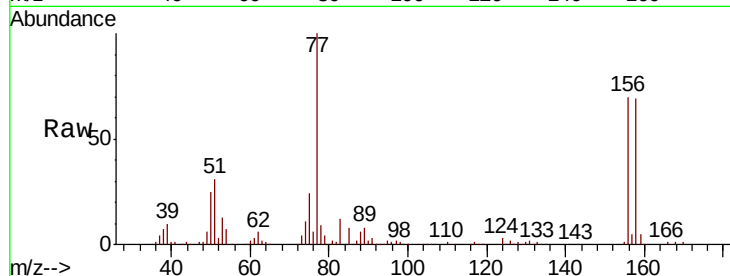
Tot Ion:156 Resp: 183878

Ion Ratio Lower Upper

156 100

77 176.0 90.8 272.5

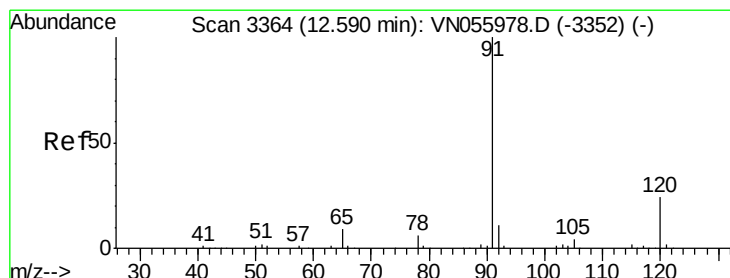
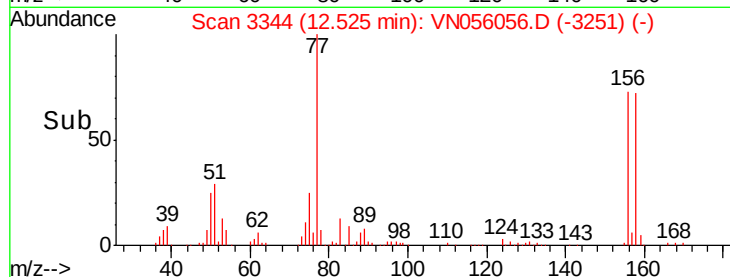
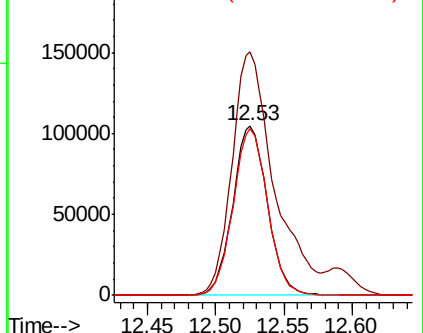
158 98.0 49.3 147.8



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: 47.718 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056056.D

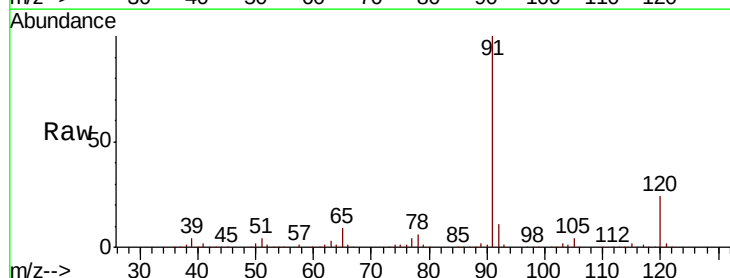
Acq: 6 Jun 2019 19:32

Tgt Ion: 91 Resp: 724471

Ion Ratio Lower Upper

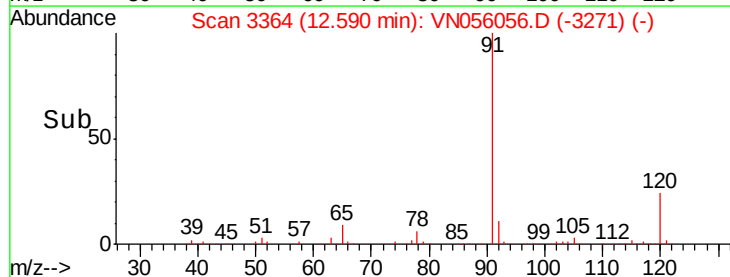
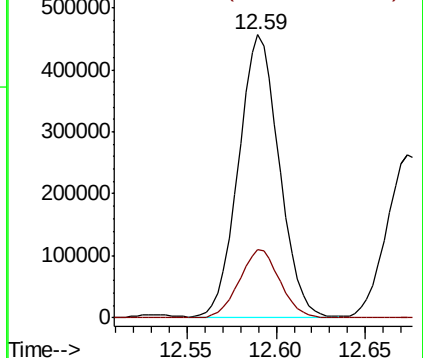
91 100

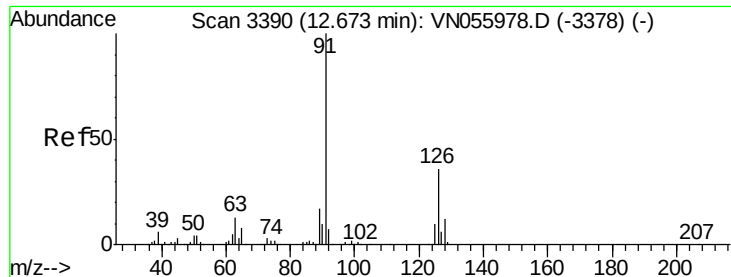
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.328 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

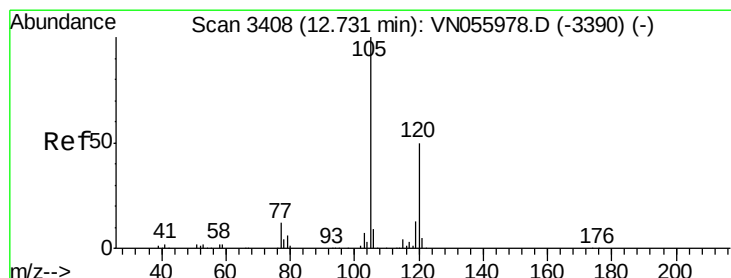
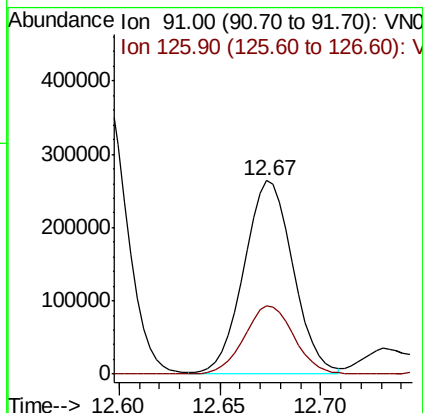
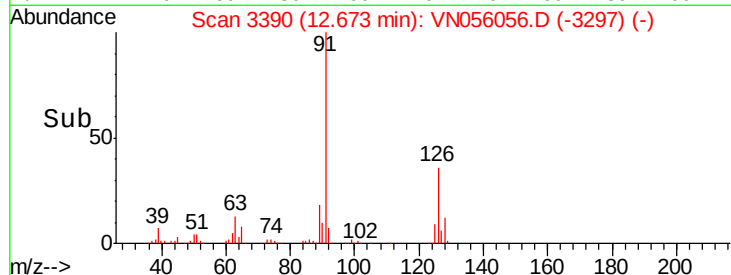
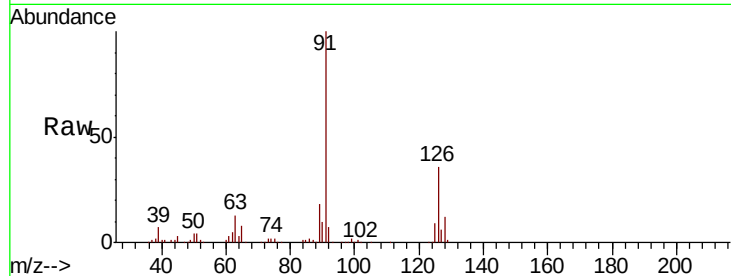
LF015RW050-190604MSD

Tot Ion: 91 Resp: 447779

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 46.431 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056056.D

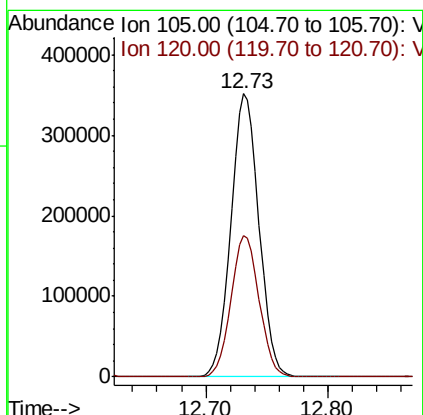
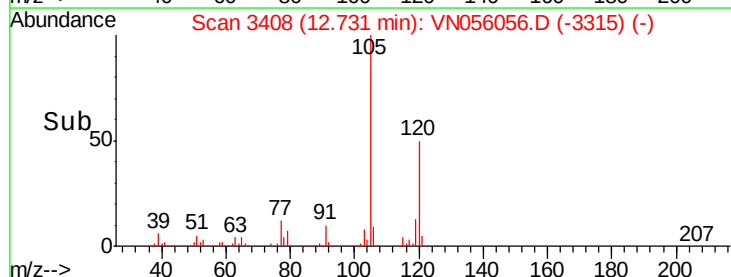
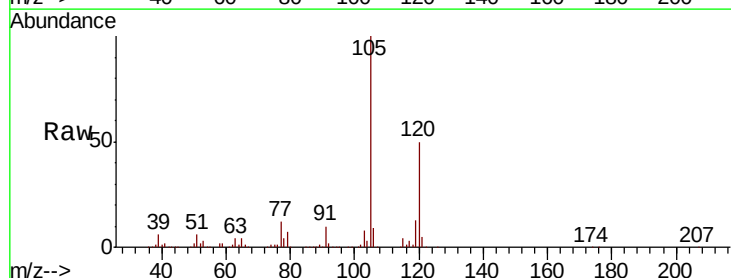
Acq: 6 Jun 2019 19:32

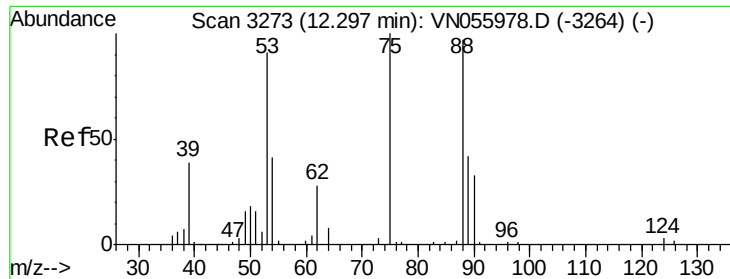
Tgt Ion: 105 Resp: 560246

Ion Ratio Lower Upper

105 100

120 50.2 24.7 74.1

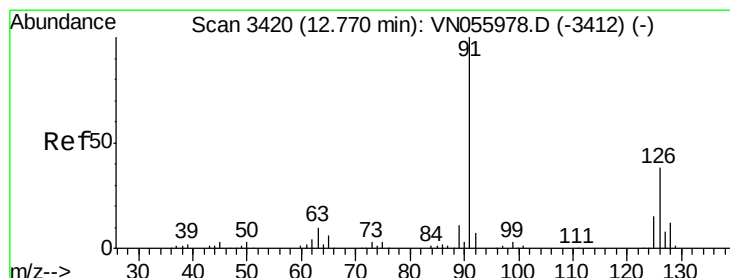
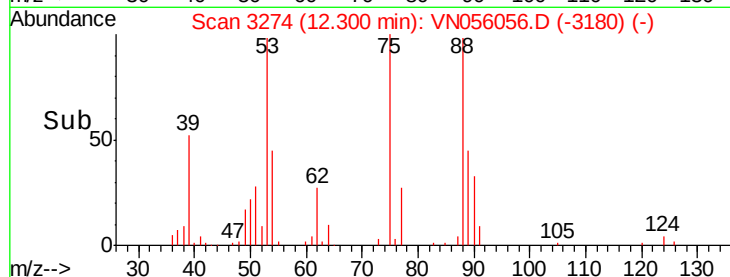
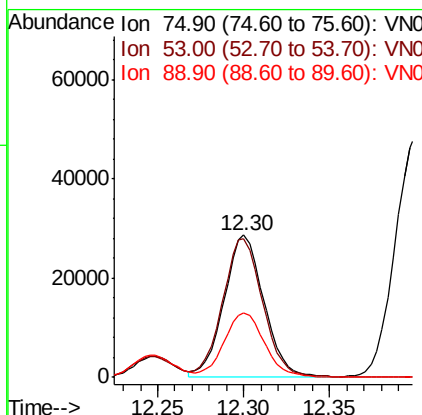
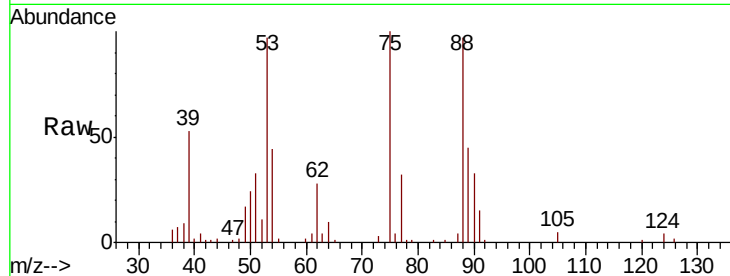




#81
trans-1,4-Dichloro-2-butene
Concen: 47.025 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

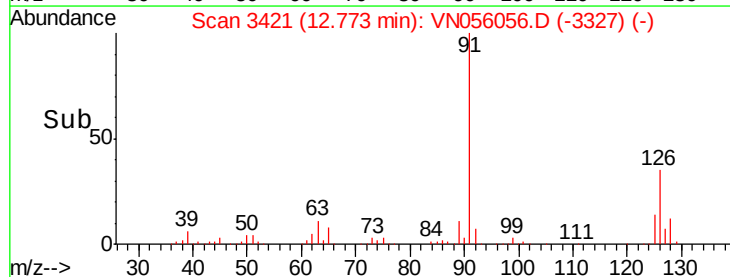
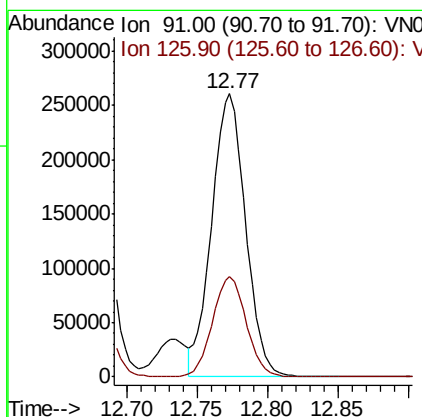
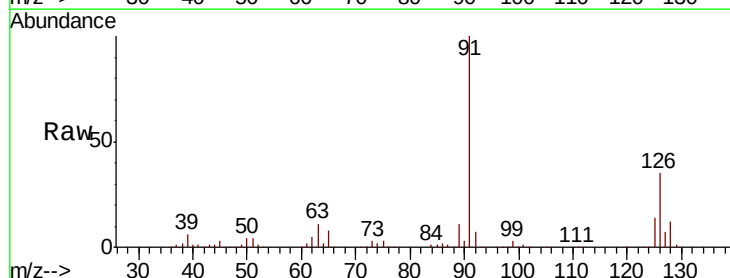
Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MSD

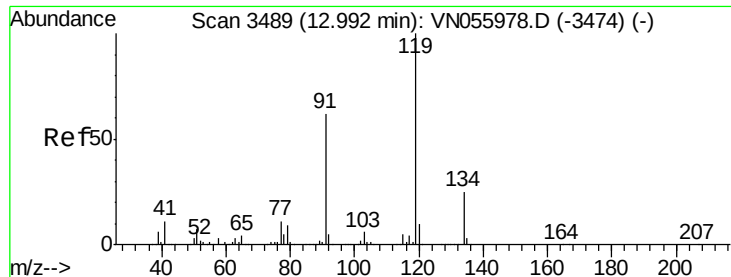
Tot Ion: 75 Resp: 46629
Ion Ratio Lower Upper
75 100
53 98.2 68.1 102.1
89 45.7 36.9 55.3



#82
4-Chlorotoluene
Concen: 48.950 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056056.D
Acq: 6 Jun 2019 19:32

Tgt Ion: 91 Resp: 434791
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.3

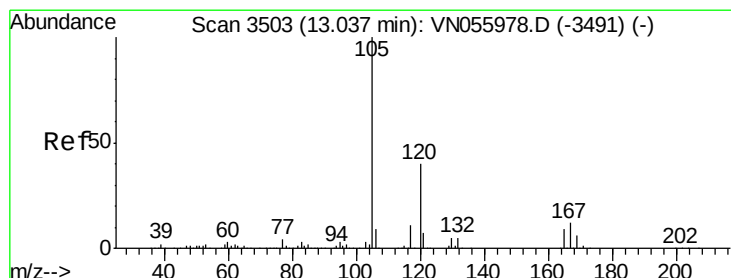
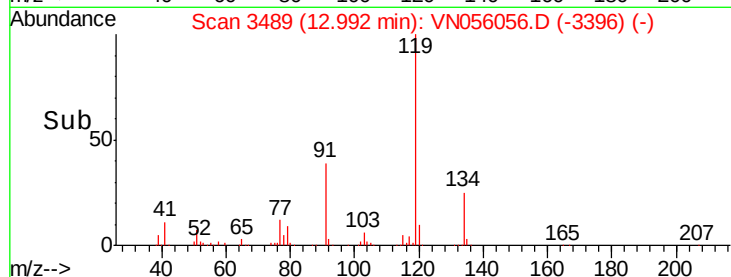
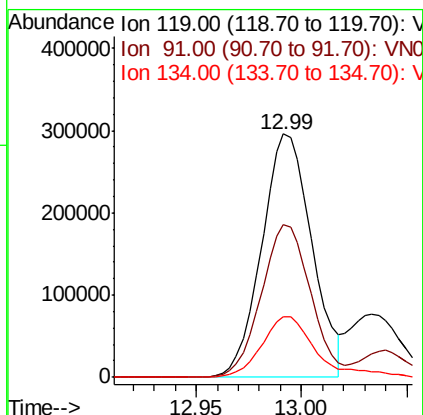
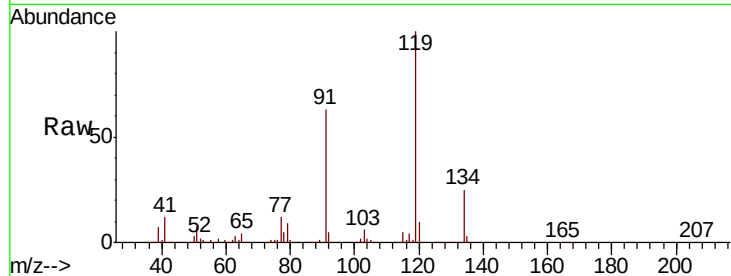




#83
 tert-Butylbenzene
 Concen: 52.350 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

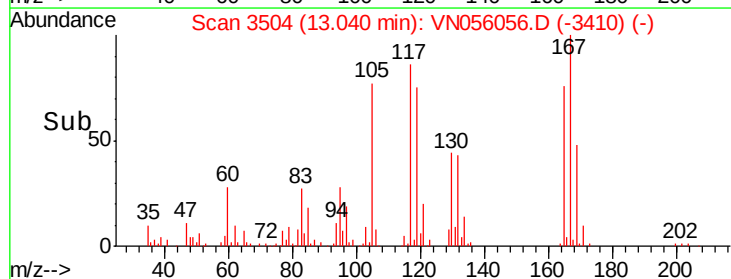
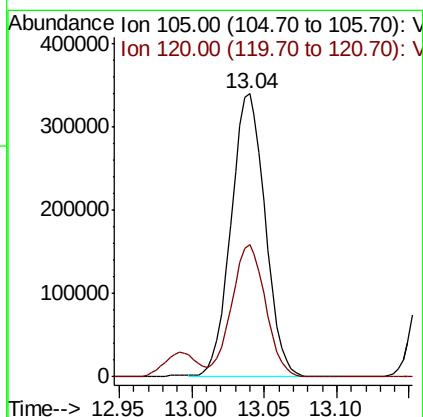
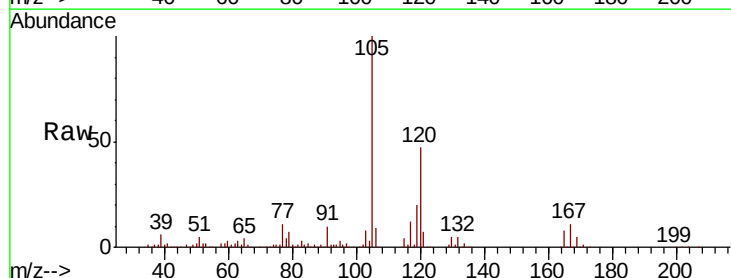
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

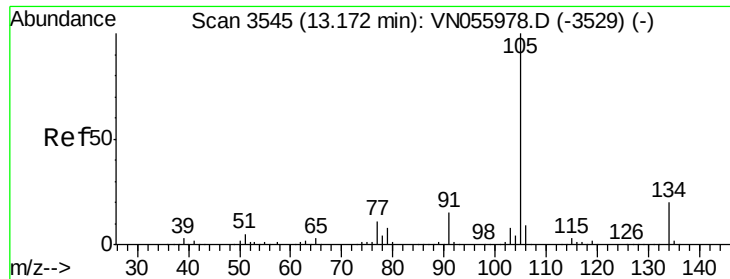
Tot Ion:119 Resp: 488902
 Ion Ratio Lower Upper
 119 100
 91 61.8 30.9 92.8
 134 27.0 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.368 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion:105 Resp: 553439
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 47.061 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

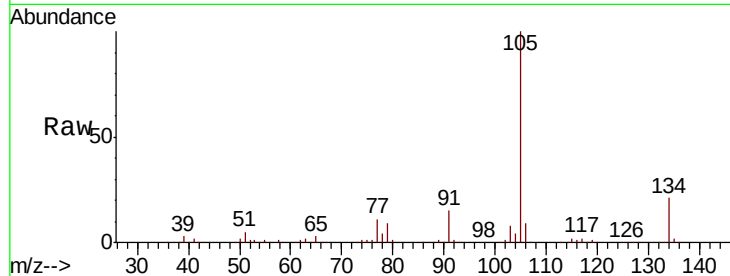
LF015RW050-190604MSD

Tot Ion:105 Resp: 632749

Ion Ratio Lower Upper

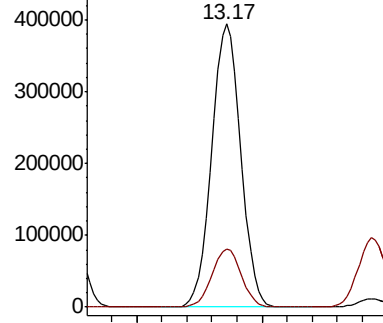
105 100

134 20.9 10.4 31.2

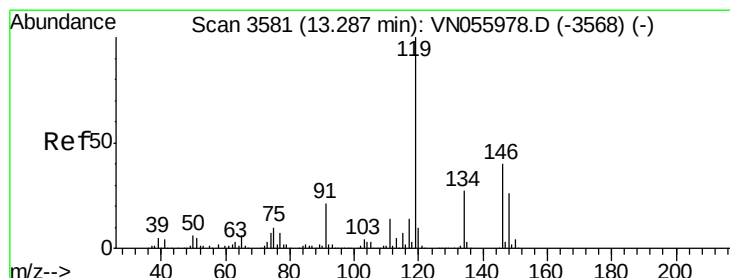
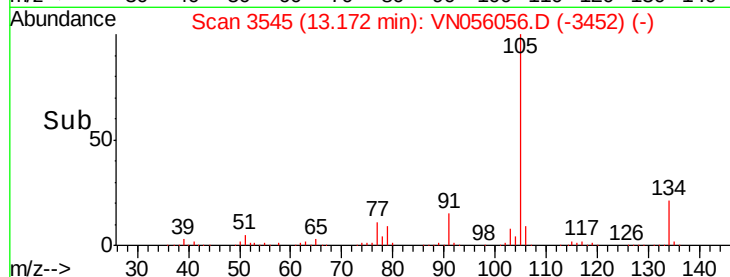


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 47.691 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

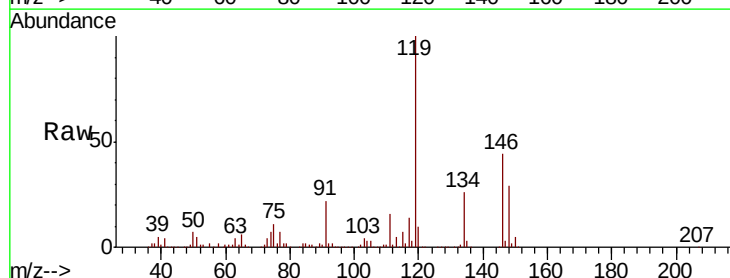
Tgt Ion:119 Resp: 573866

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

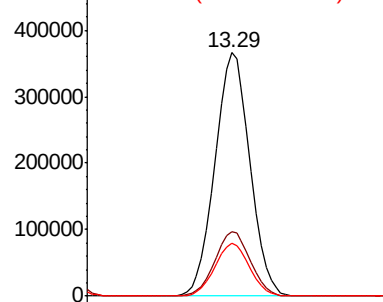
91 21.7 10.9 32.9



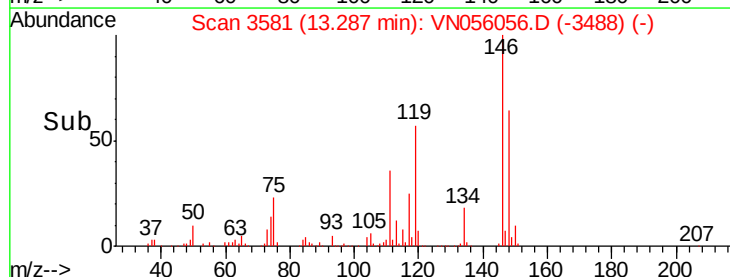
Abundance Ion 119.00 (118.70 to 119.70): V

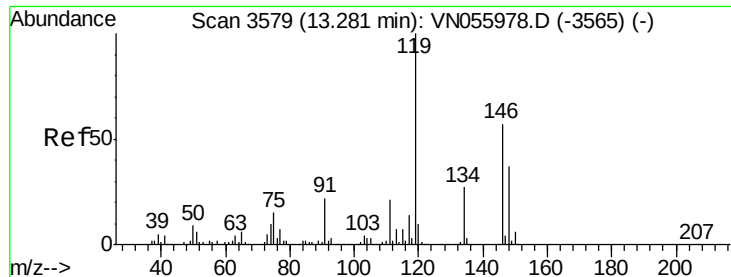
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

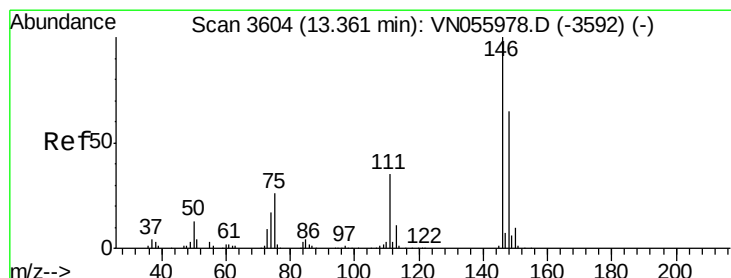
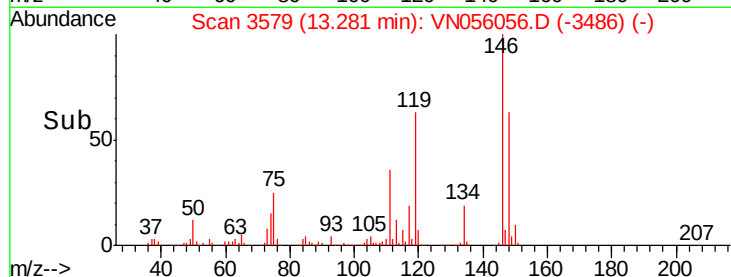
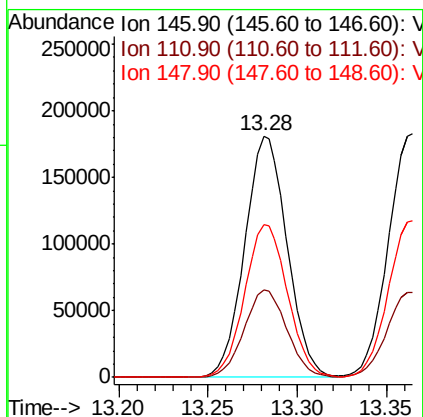
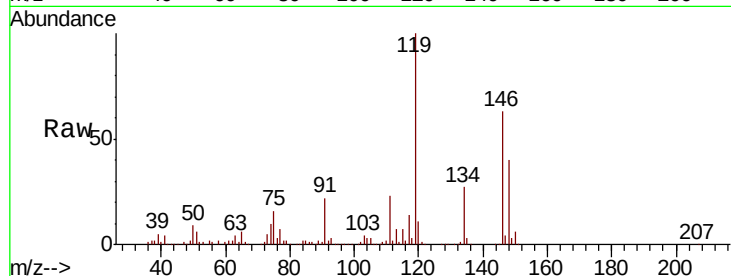




#87
 1,3-Dichlorobenzene
 Concen: 50.603 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

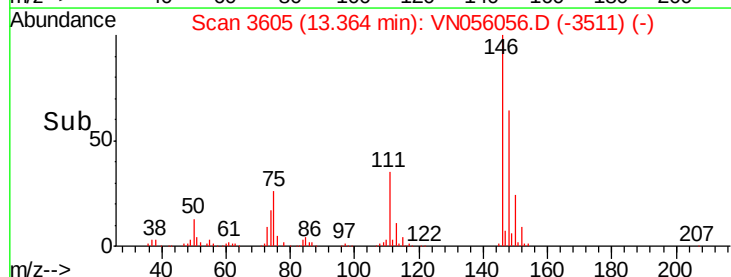
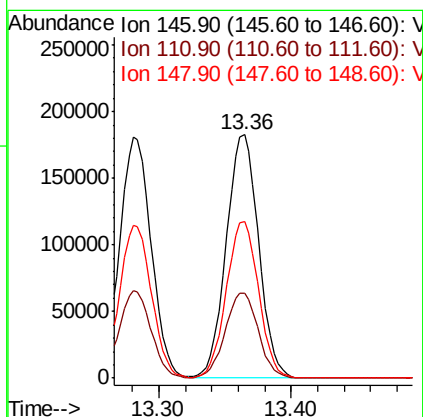
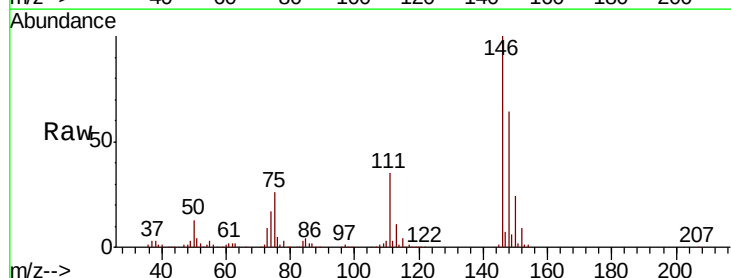
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

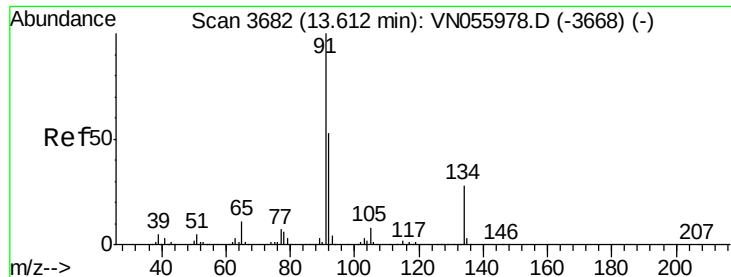
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.5	55.5
148	64.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 54.132 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.4
148	64.3	32.1	96.5





#89

n-Butylbenzene

Concen: 48.013 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

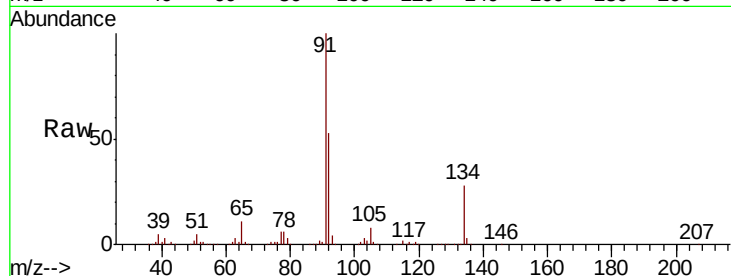
Tot Ion: 91 Resp: 427983

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.0

134 27.9 13.9 41.7

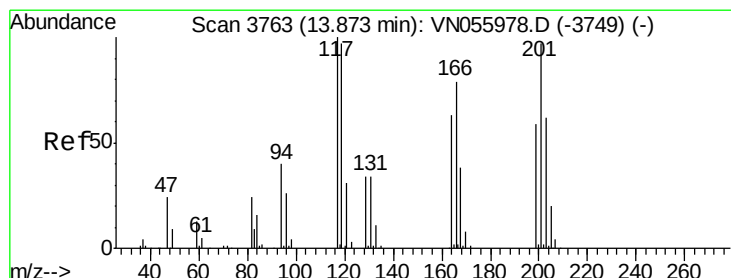
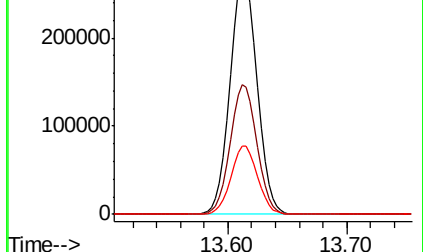
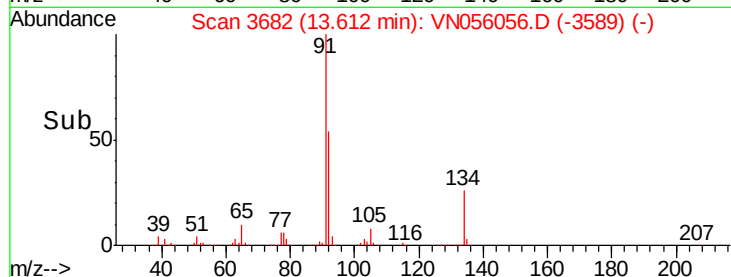


Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 48.243 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN056056.D

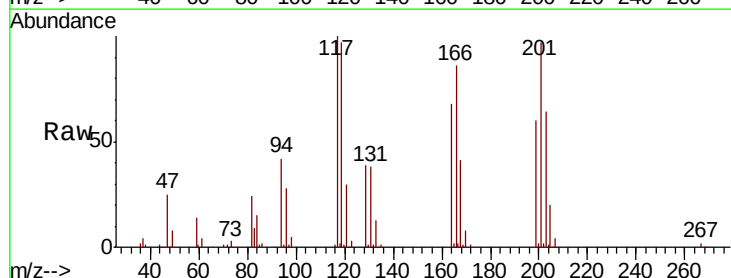
Acq: 6 Jun 2019 19:32

Tgt Ion: 117 Resp: 87546

Ion Ratio Lower Upper

117 100

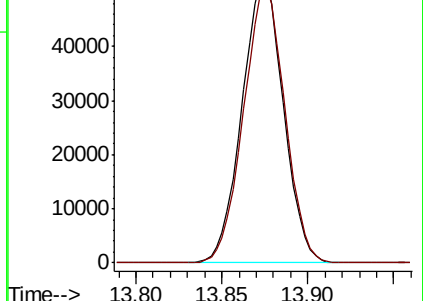
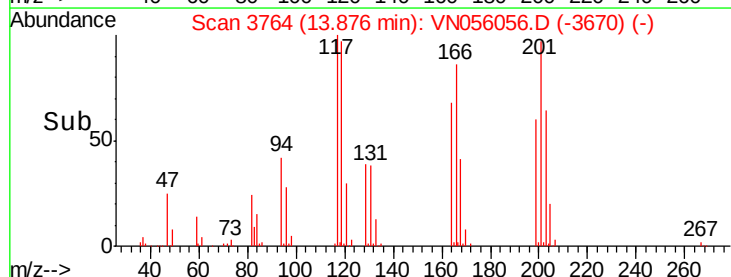
201 96.8 50.0 150.0

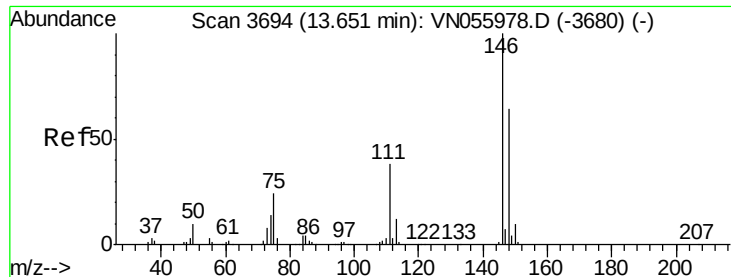


Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)

Time-->

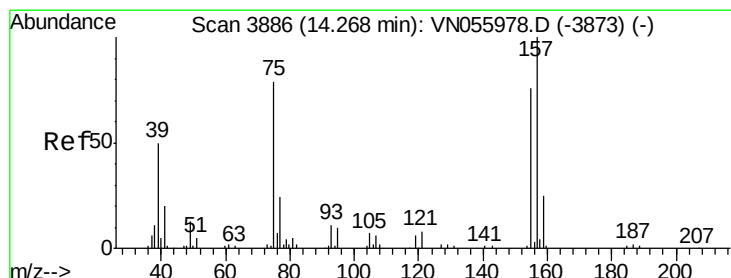
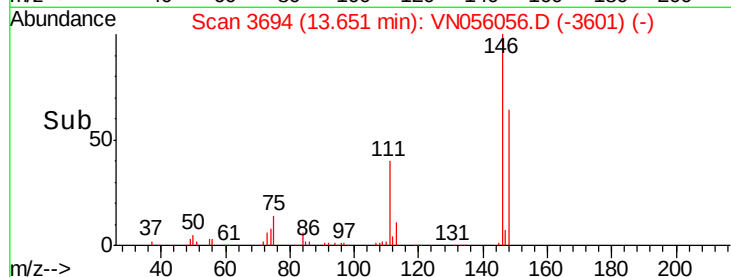
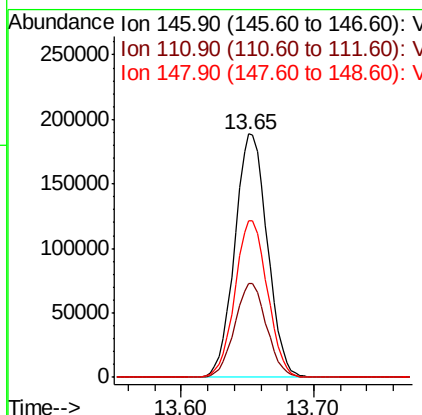
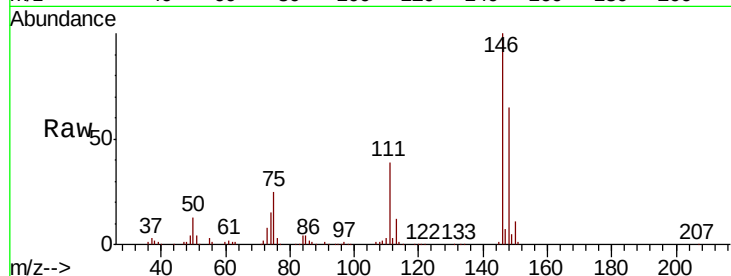




#91
 1,2-Dichlorobenzene
 Concen: 53.589 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

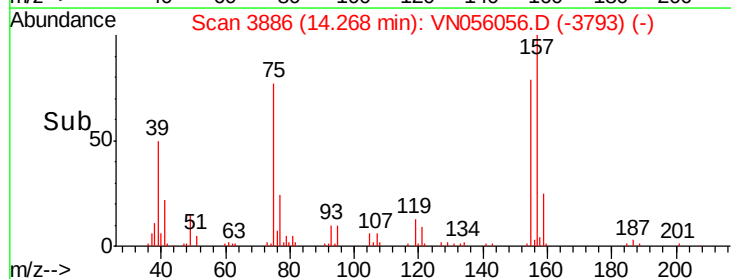
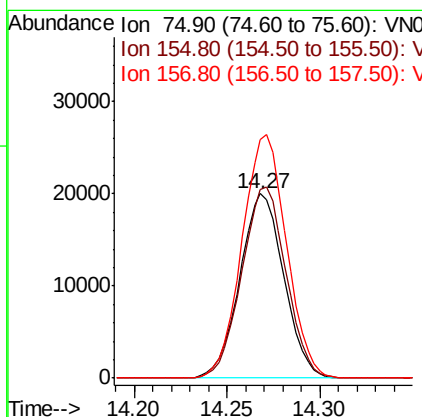
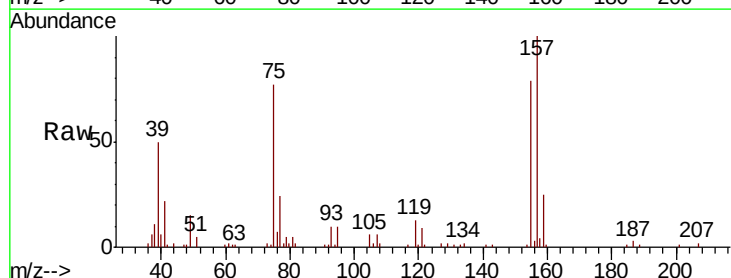
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

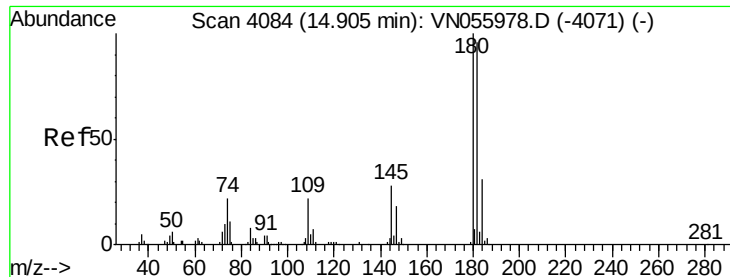
Tot Ion:146 Resp: 321734
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.5
 148 64.0 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.309 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion: 75 Resp: 32957
 Ion Ratio Lower Upper
 75 100
 155 104.0 50.0 150.1
 157 133.0 64.8 194.3

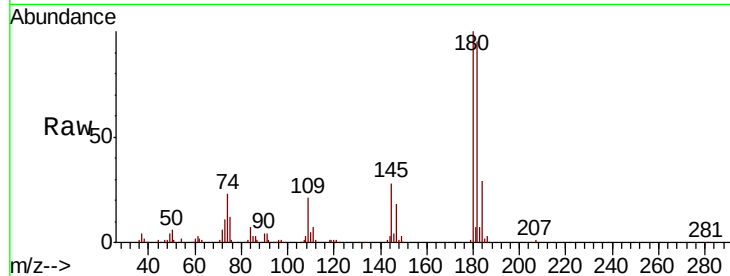




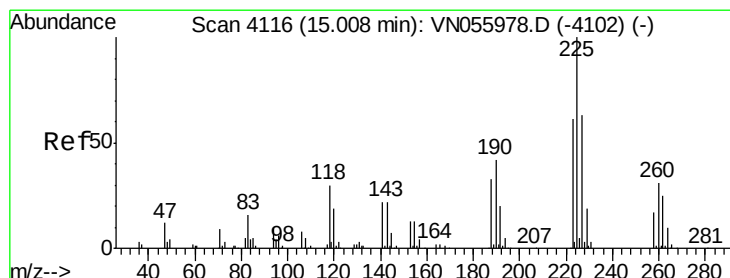
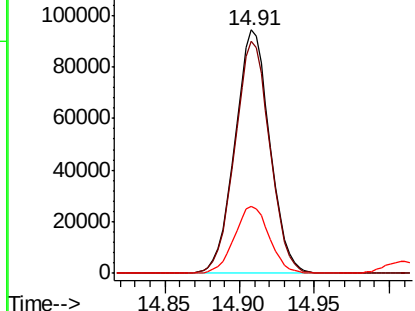
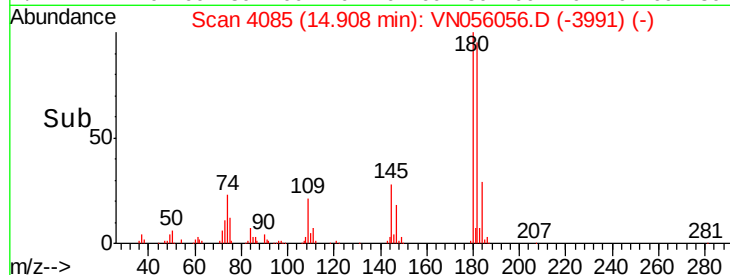
#93
 1,2,4-Trichlorobenzene
 Concen: 46.449 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MSD

Tot Ion:180 Resp: 152576
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.3 144.9
 145 27.6 14.0 41.9

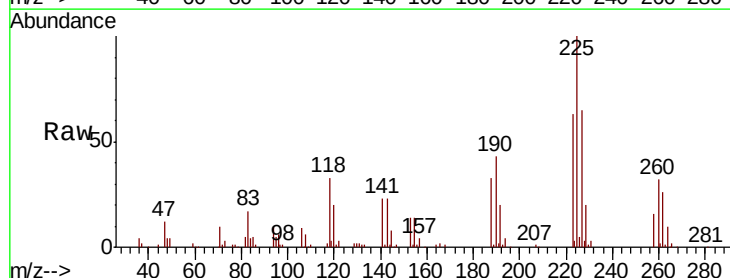


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

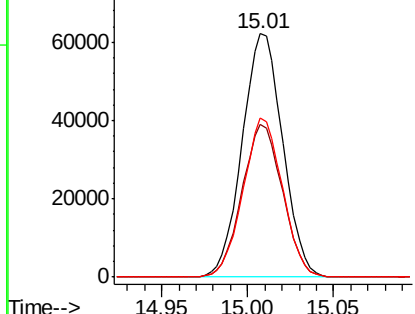
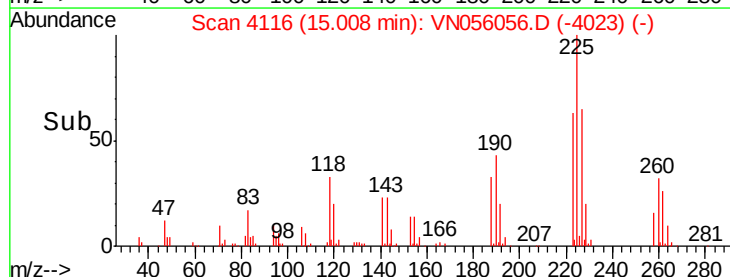


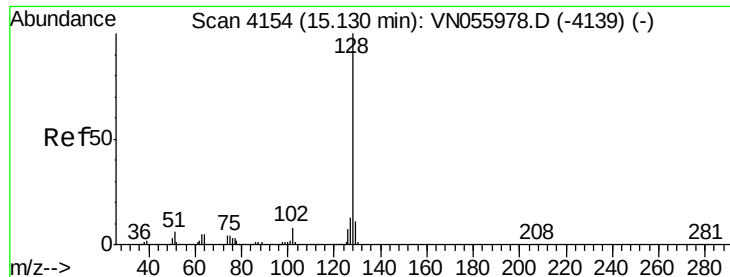
#94
 Hexachlorobutadiene
 Concen: 49.287 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056056.D
 Acq: 6 Jun 2019 19:32

Tgt Ion:225 Resp: 101551
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.9 92.7
 227 63.4 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: 49.411 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MSD

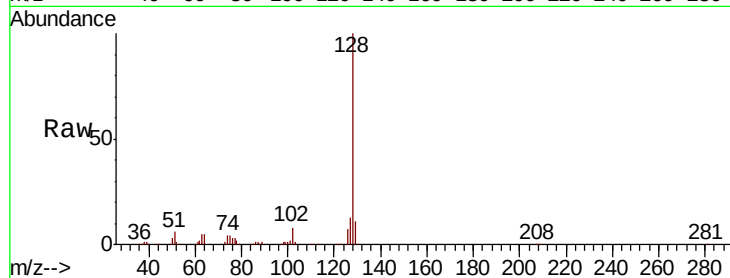
Tot Ion:128 Resp: 423707

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

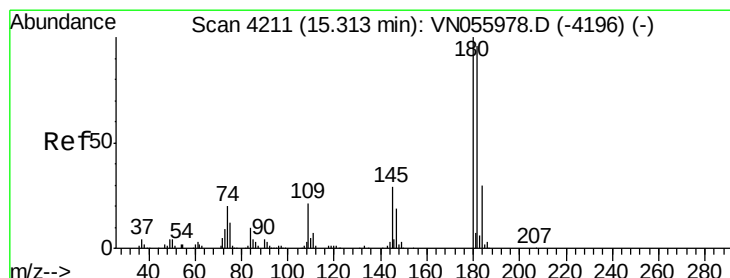
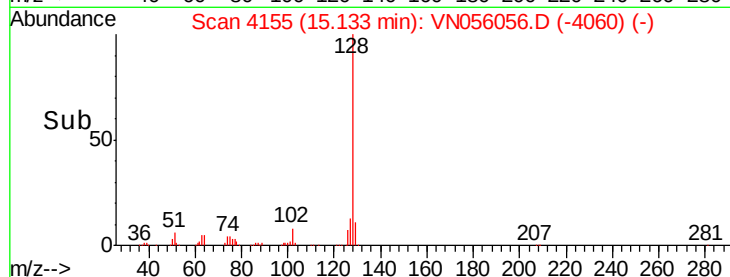
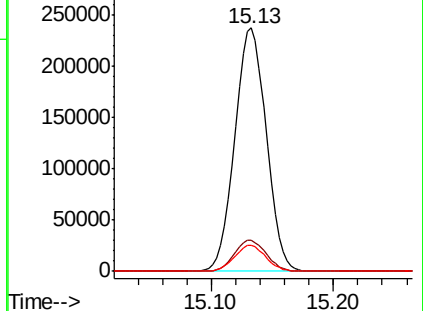
129 10.7 8.7 13.1



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: 49.633 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056056.D

Acq: 6 Jun 2019 19:32

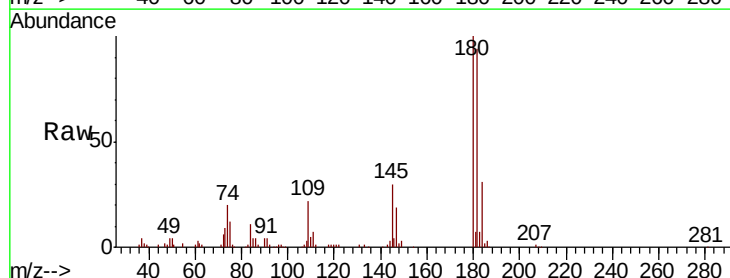
Tgt Ion:180 Resp: 167269

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.7

145 29.5 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

