

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058230.D
 Acq On : 20 Sep 2019 1:09
 Operator : JC/SP
 Sample : K4974-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

Quant Time: Sep 20 04:29:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	462231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	802423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	733790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	365462	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	350616	54.46	ug/l	0.00
Spiked Amount						
			Recovery	=	108.92%	
35) Dibromofluoromethane	7.57	113	251471	51.55	ug/l	0.00
Spiked Amount						
			Recovery	=	103.10%	
50) Toluene-d8	10.08	98	1014563	53.38	ug/l	0.00
Spiked Amount						
			Recovery	=	106.76%	
62) 4-Bromofluorobenzene	12.40	95	372542	52.77	ug/l	0.00
Spiked Amount						
			Recovery	=	105.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	181744	47.864	ug/l	98
3) Chloromethane	2.04	50	146525	50.064	ug/l	97
4) Vinyl Chloride	2.17	62	162289	50.719	ug/l	99
5) Bromomethane	2.54	94	67225	39.827	ug/l	94
6) Chloroethane	2.68	64	109112	53.337	ug/l	92
7) Trichlorofluoromethane	3.00	101	247702	47.792	ug/l	98
8) Diethyl Ether	3.39	74	117259	49.377	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	179742	48.100	ug/l	99
10) Methyl Iodide	3.93	142	118003	37.686	ug/l	99
11) Tert butyl alcohol	4.75	59	210342	274.665	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	146601	51.708	ug/l	97
13) Acrolein	3.59	56	33544	295.566	ug/l	96
14) Allyl chloride	4.30	41	293276	47.963	ug/l	99
15) Acrylonitrile	4.96	53	556467	272.732	ug/l	99
16) Acetone	3.79	43	488386	223.486	ug/l	100
17) Carbon Disulfide	4.03	76	187524	46.995	ug/l	98
18) Methyl Acetate	4.30	43	263362	45.800	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	744847	52.848	ug/l	98
20) Methylene Chloride	4.53	84	205728	53.788	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	159354	51.581	ug/l	99
22) Diisopropyl ether	5.93	45	819943	52.789	ug/l	97
23) Vinyl Acetate	5.87	43	2650305	249.366	ug/l	100
24) 1,1-Dichloroethane	5.82	63	426448	51.441	ug/l	98
25) 2-Butanone	6.82	43	770356	258.750	ug/l	98
26) 2,2-Dichloropropane	6.81	77	248150	35.284	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	239320	51.056	ug/l	96
28) Bromochloromethane	7.18	49	215762	55.018	ug/l	99
29) Tetrahydrofuran	7.19	42	481034	262.303	ug/l	100
30) Chloroform	7.36	83	454210	50.901	ug/l	99
31) Cyclohexane	7.64	56	273787	51.148	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	358270	52.740	ug/l	100
36) 1,1-Dichloropropene	7.78	75	265181	45.826	ug/l	99
37) Ethyl Acetate	6.91	43	279140	46.482	ug/l	99
38) Carbon Tetrachloride	7.76	117	285664	49.109	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	265287	47.419	ug/l	99
40) Benzene	8.03	78	859801	48.646	ug/l	100
41) Methacrylonitrile	7.19	41	464656	151.702	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	370022	49.893	ug/l	100
43) Isopropyl Acetate	8.15	43	520230	46.385	ug/l	99
44) Trichloroethene	8.82	130	265216	61.319	ug/l	99
45) 1,2-Dichloropropane	9.11	63	269021	50.968	ug/l	99
46) Dibromomethane	9.20	93	162401	50.607	ug/l	97
47) Bromodichloromethane	9.39	83	350126	52.079	ug/l	100
48) Methyl methacrylate	9.19	41	267246	52.480	ug/l	99
49) 1,4-Dioxane	9.19	88	86073	1029.504	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1722873	289.209	ug/l	99
52) Toluene	10.15	92	554971	50.102	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	347569	50.470	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	371717	48.889	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	257579	52.400	ug/l	99
56) Ethyl methacrylate	10.43	69	386201	54.453	ug/l	99
57) 1,3-Dichloropropane	10.71	76	436773	51.686	ug/l	99
59) 2-Hexanone	10.75	43	1242673	280.872	ug/l	99
60) Dibromochloromethane	10.90	129	257165	54.380	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237773	52.195	ug/l	100
64) Tetrachloroethene	10.63	164	163076	45.590	ug/l	97
65) Chlorobenzene	11.43	112	647879	50.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251867	53.817	ug/l	99
67) Ethyl Benzene	11.51	91	1157603	52.343	ug/l	100
68) m/p-Xylenes	11.62	106	842744	101.176	ug/l	97
69) o-Xylene	11.95	106	426147	52.031	ug/l	99
70) Stvrene	11.97	104	755274	53.521	ug/l	99
71) Bromoform	12.13	173	165728	47.924	ug/l #	100
73) Isopropylbenzene	12.25	105	1205146	52.683	ug/l	99
74) N-amyl acetate	12.07	43	478668	50.019	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	399582	52.162	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	466520	71.327	ug/l #	100
77) Bromobenzene	12.53	156	287689	49.997	ug/l	100
78) n-propylbenzene	12.59	91	1400855	53.890	ug/l	99
79) 2-Chlorotoluene	12.68	91	849188	52.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1028115	53.149	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	94210	43.694	ug/l	98
82) 4-Chlorotoluene	12.78	91	891357	52.196	ug/l	99
83) tert-Butylbenzene	13.00	119	911235	52.823	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	1047165	54.397	ug/l	100
85) sec-Butylbenzene	13.18	105	1239024	54.926	ug/l	100
86) p-Isopropyltoluene	13.29	119	1098041	54.753	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	543941	51.755	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	547913	51.065	ug/l	100
89) n-Butylbenzene	13.62	91	999836	52.586	ug/l	100
90) Hexachloroethane	13.88	117	174012	49.511	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	551043	52.268	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74952	54.347	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	344106	51.085	ug/l	99

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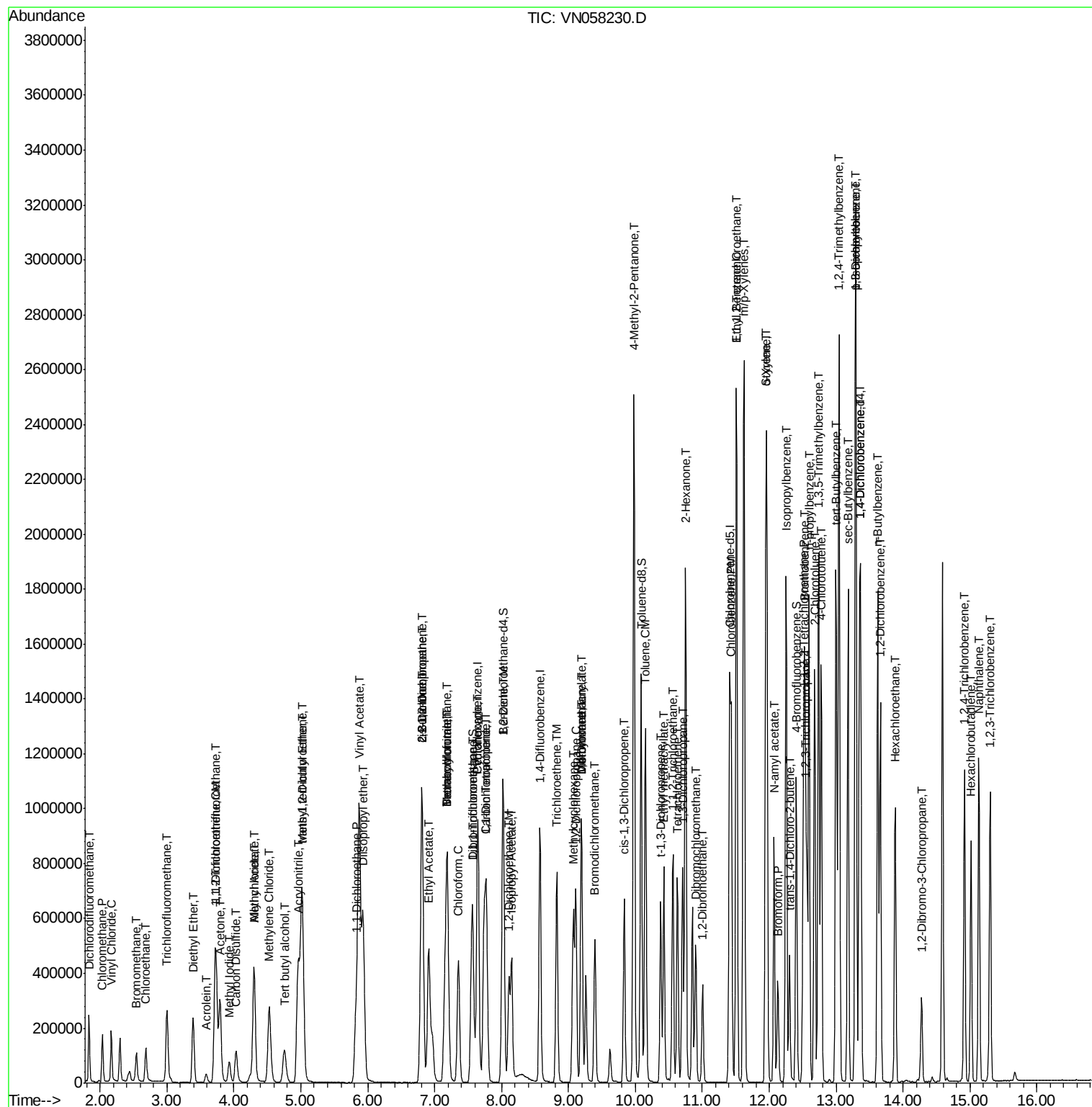
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	154594	47.484	ug/l	98
95) Naphthalene	15.13	128	933376	53.468	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	322076	50.588	ug/l	100

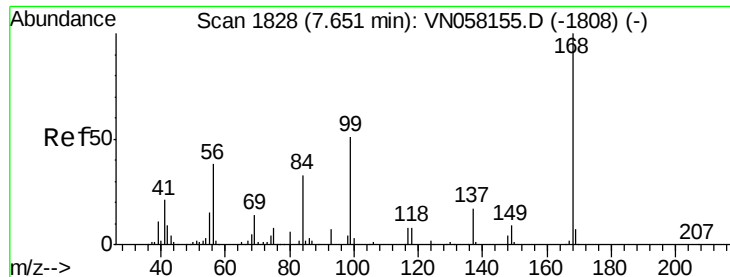
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

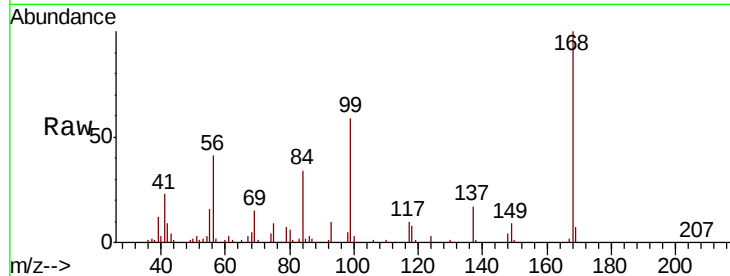
RE123D1-20190912MS

Tot Ion:168 Resp: 462231

Ion Ratio Lower Upper

168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

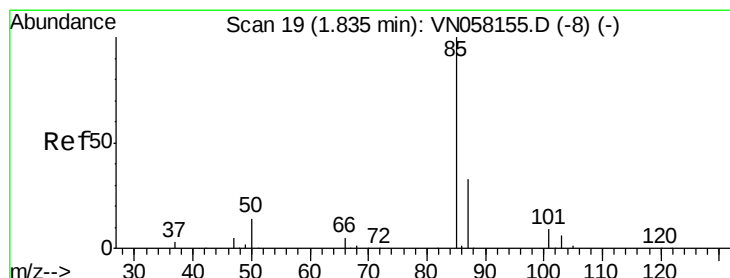
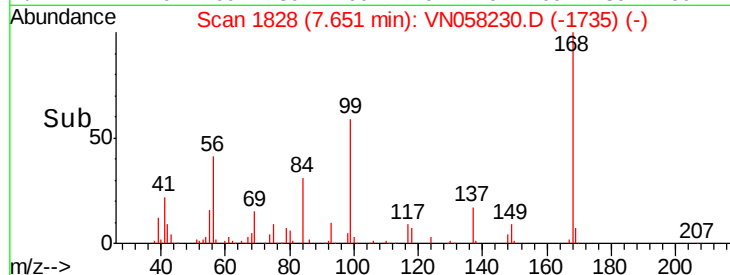
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.864 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058230.D

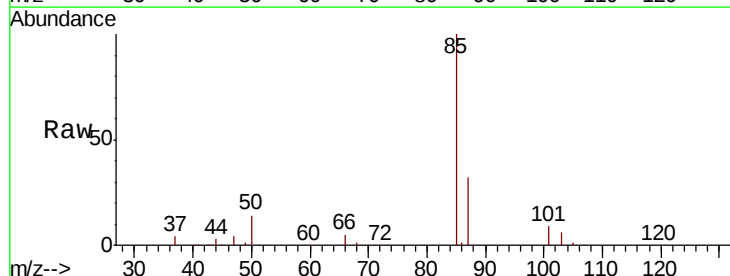
Acq: 20 Sep 2019 1:09

Tgt Ion: 85 Resp: 181744

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

150000

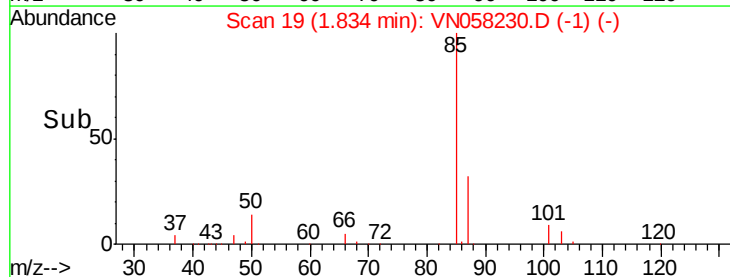
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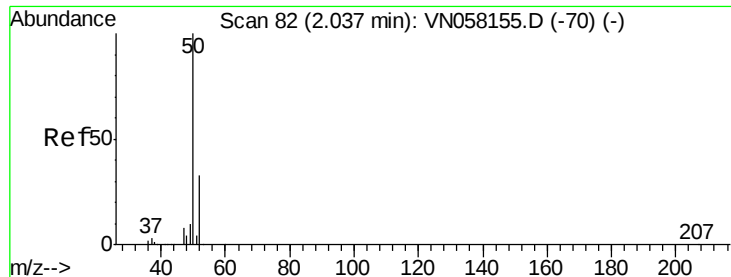
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.064 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

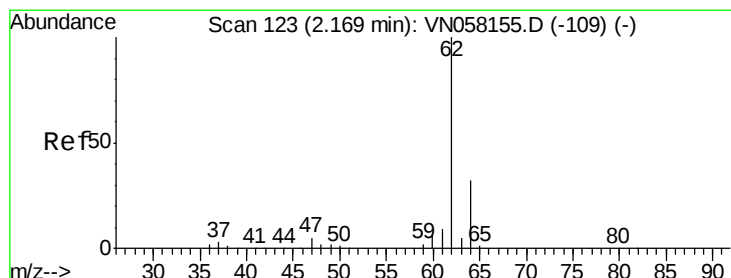
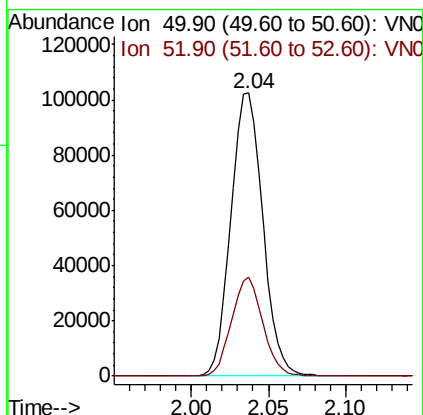
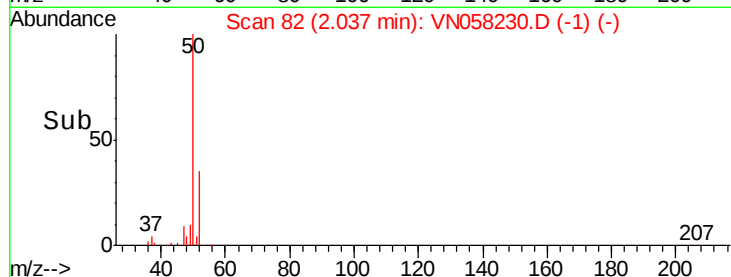
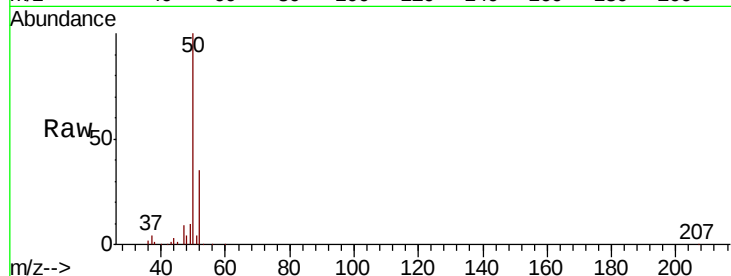
RE123D1-20190912MS

Tot Ion: 50 Resp: 146525

Ion Ratio Lower Upper

50 100

52 34.8 26.3 39.5



#4

Vinyl Chloride

Concen: 50.719 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058230.D

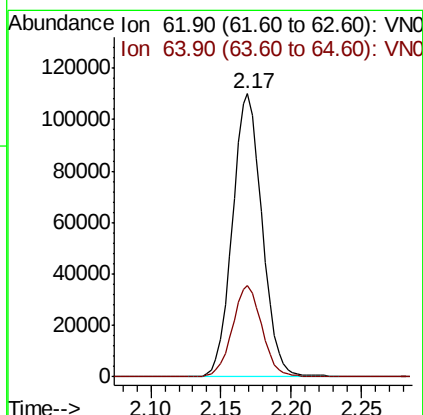
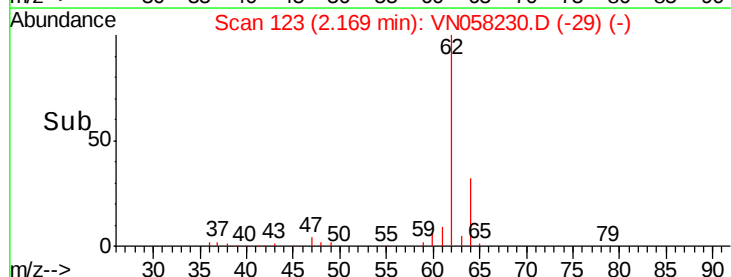
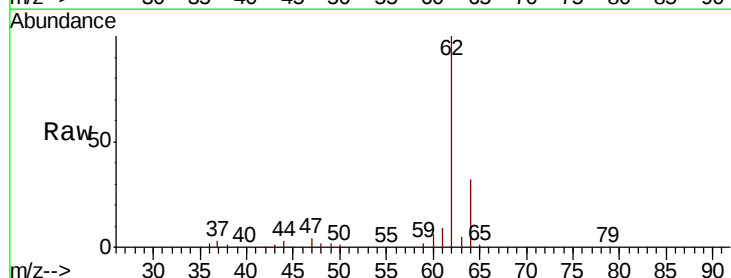
Acq: 20 Sep 2019 1:09

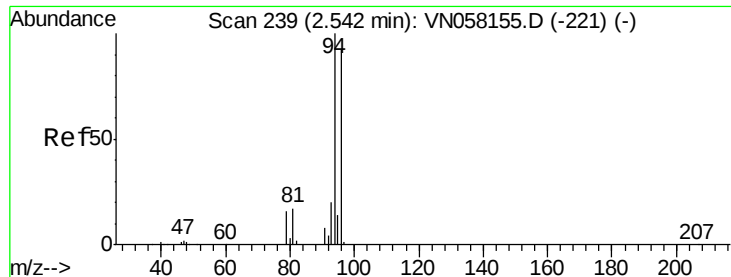
Tgt Ion: 62 Resp: 162289

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 39.827 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

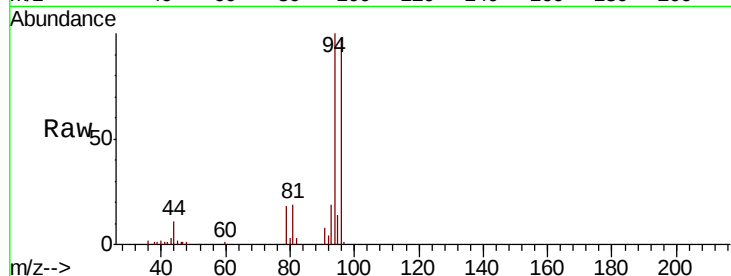
RE123D1-20190912MS

Tot Ion: 94 Resp: 67225

Ion Ratio Lower Upper

94 100

96 97.2 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

40000

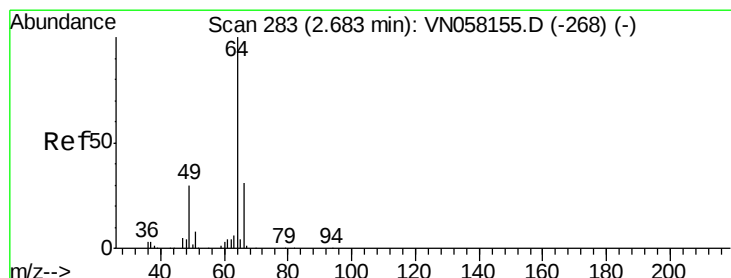
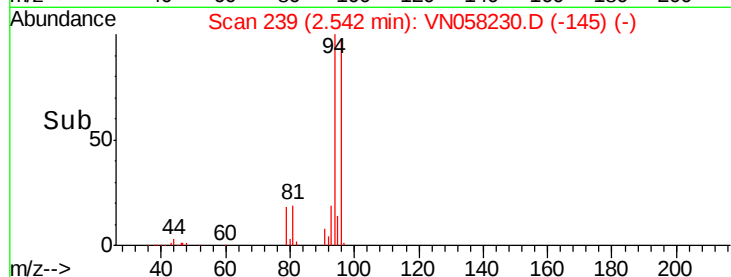
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 53.337 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058230.D

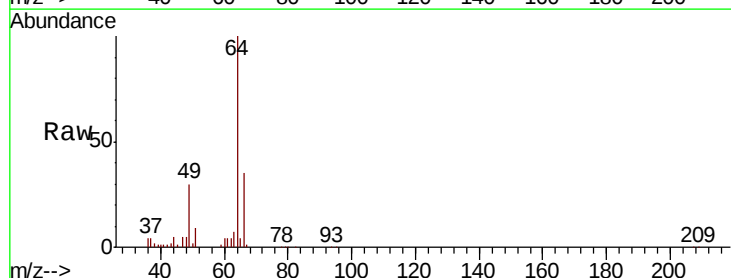
Acq: 20 Sep 2019 1:09

Tgt Ion: 64 Resp: 109112

Ion Ratio Lower Upper

64 100

66 35.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

60000

50000

40000

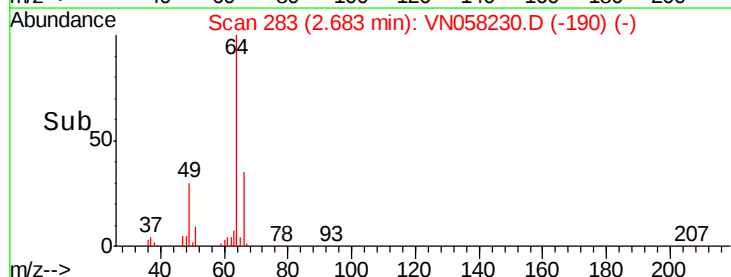
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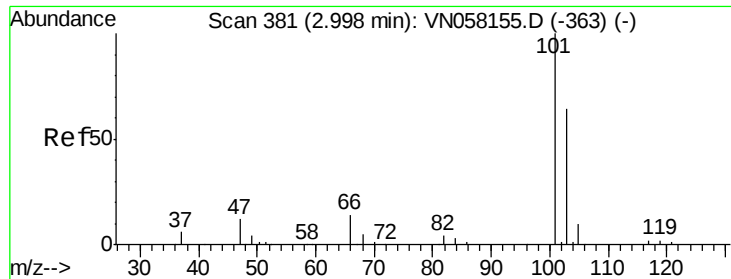
20000

10000

0

Time--> 2.60 2.65 2.70 2.75 2.80



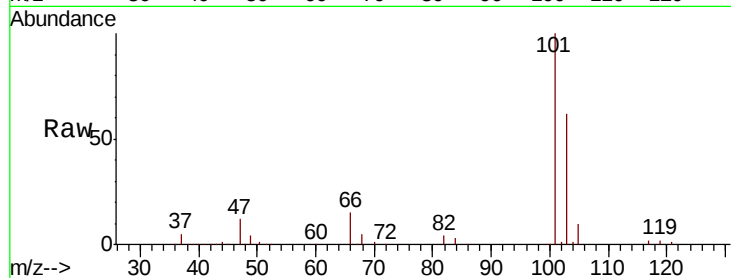


#7

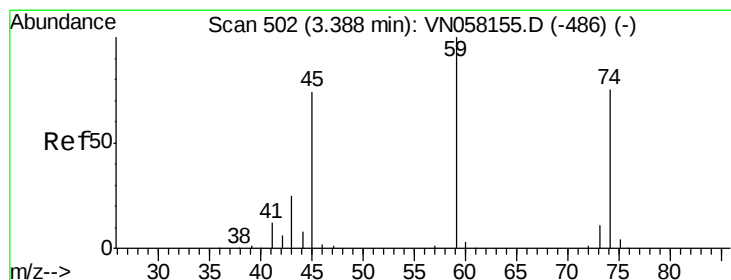
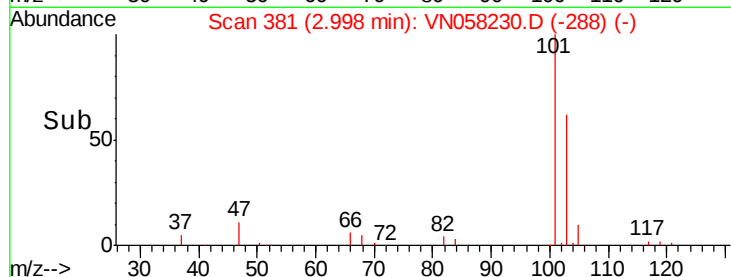
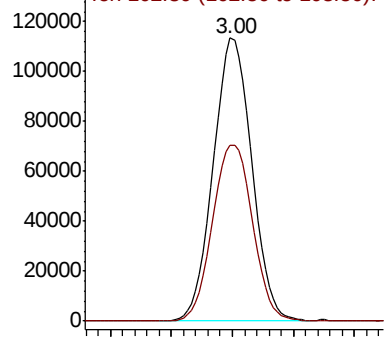
Trichlorofluoromethane
 Concen: 47.792 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Instrument :
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 ClientSampleId :
 RE123D1-20190912MS

Tot Ion:101 Resp: 247702
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.0 76.6



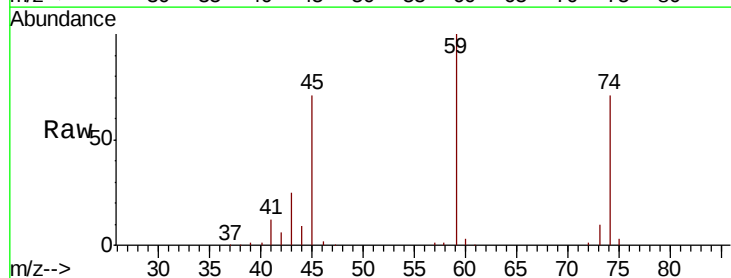
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



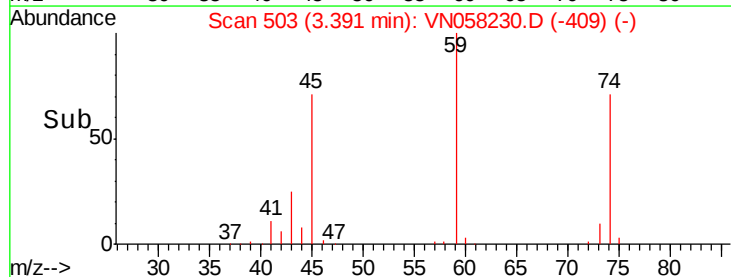
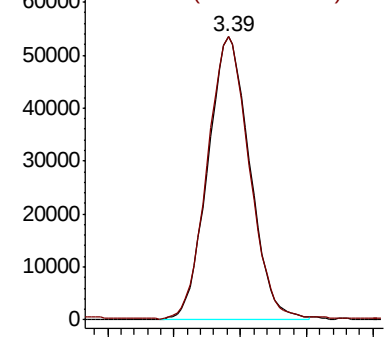
#8

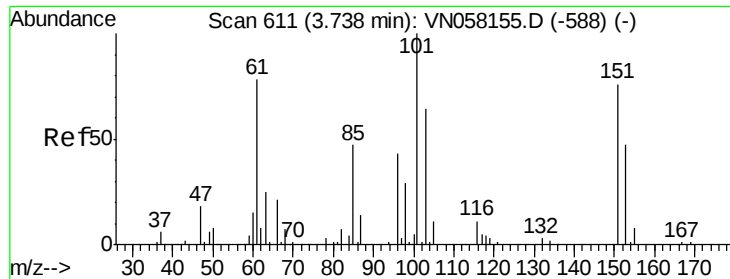
Diethyl Ether
 Concen: 49.377 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion: 74 Resp: 117259
 Ion Ratio Lower Upper
 74 100
 45 99.8 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.100 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

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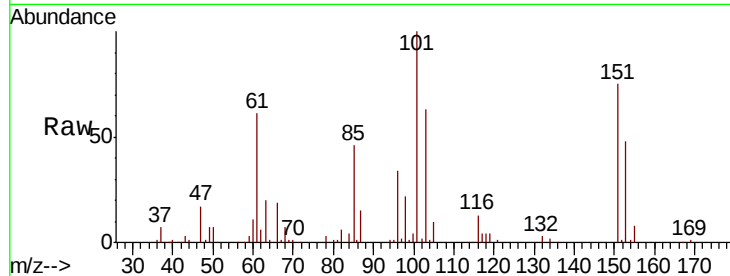
Tot Ion:101 Resp: 179742

Ion Ratio Lower Upper

101 100

85 46.7 37.3 55.9

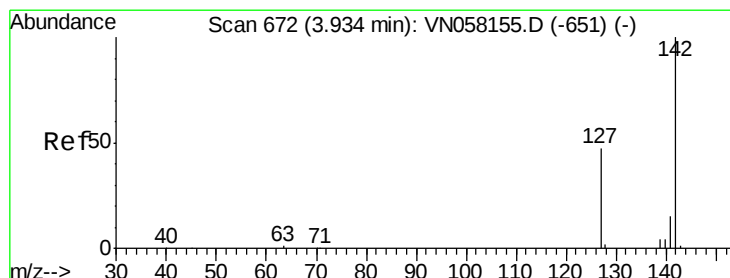
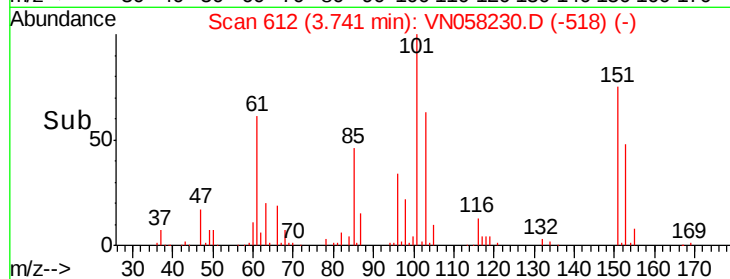
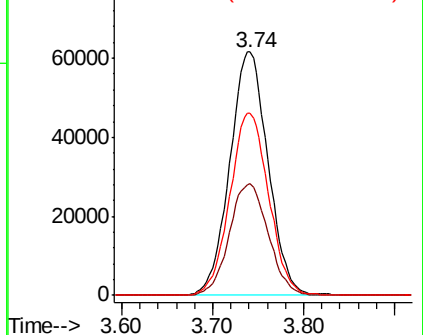
151 76.0 59.6 89.4



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: 37.686 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

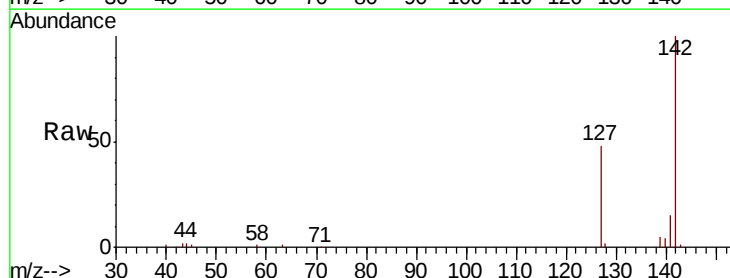
Tgt Ion:142 Resp: 118003

Ion Ratio Lower Upper

142 100

127 46.2 37.5 56.3

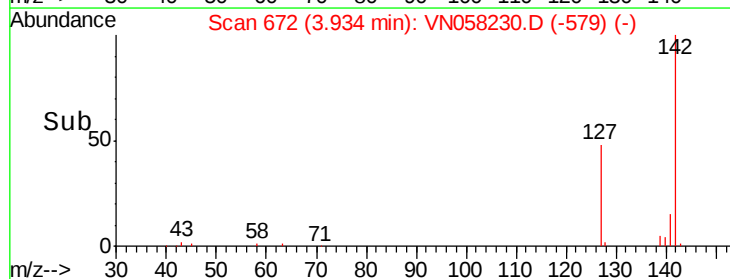
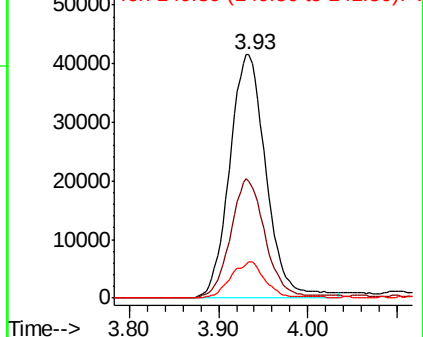
141 13.9 11.4 17.2

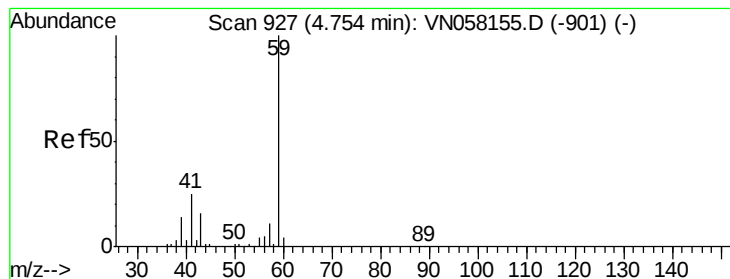


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



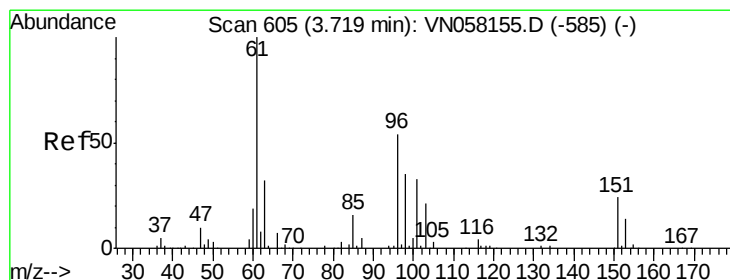
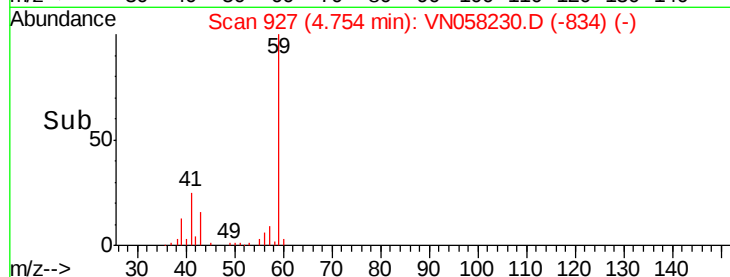
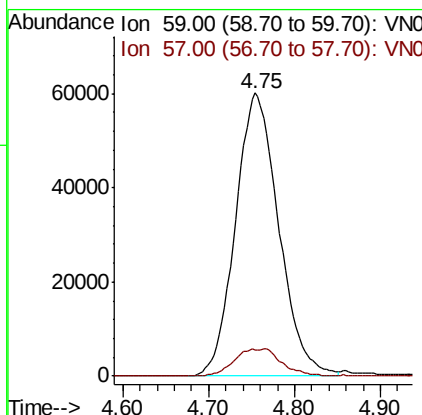
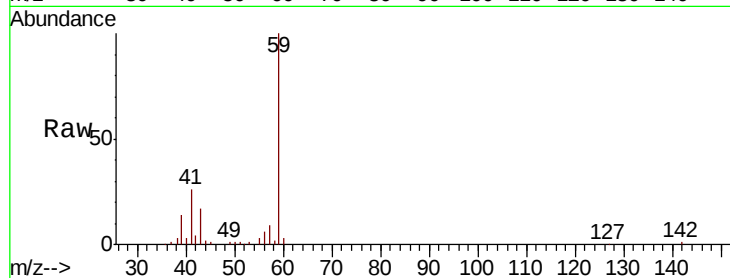


#11

Tert butyl alcohol
 Concen: 274.665 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

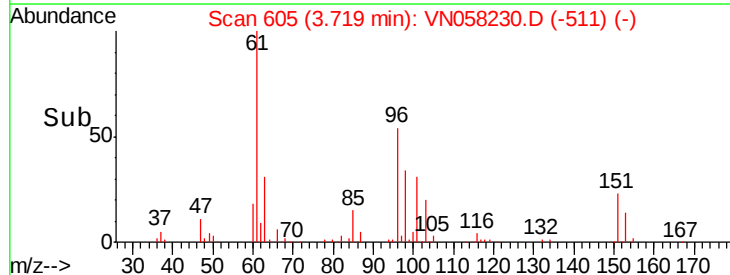
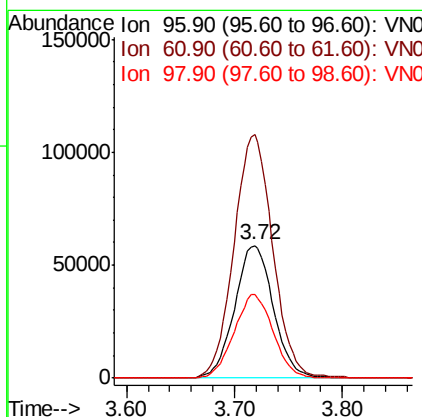
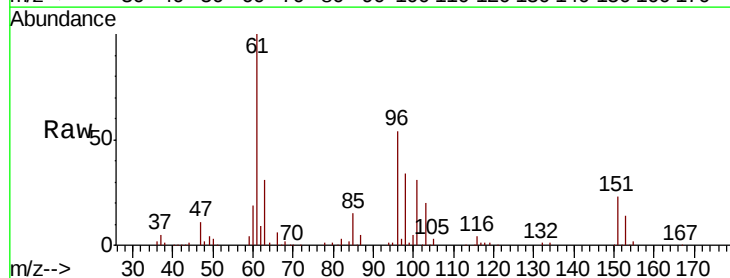
Tot Ion: 59 Resp: 210342
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.6 13.0#

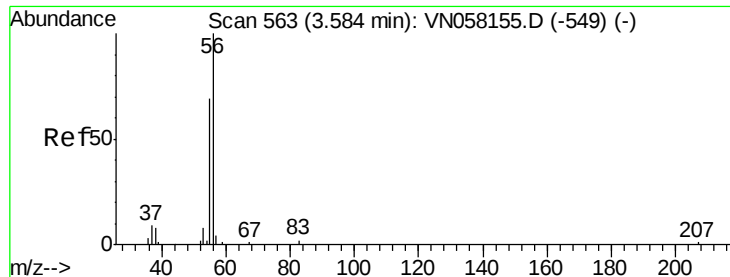


#12

1,1-Dichloroethene
 Concen: 51.708 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion: 96 Resp: 146601
 Ion Ratio Lower Upper
 96 100
 61 183.5 149.5 224.3
 98 63.0 52.4 78.6





#13

Acrolein

Concen: 295.566 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

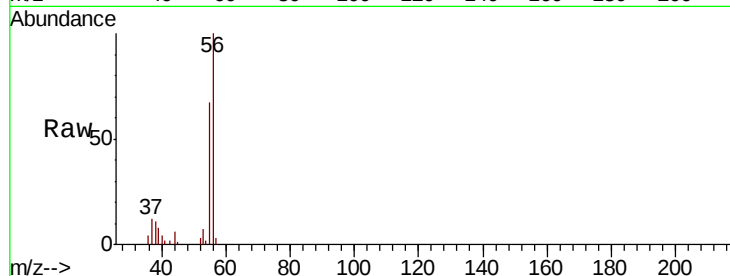
RE123D1-20190912MS

Tot Ion: 56 Resp: 33544

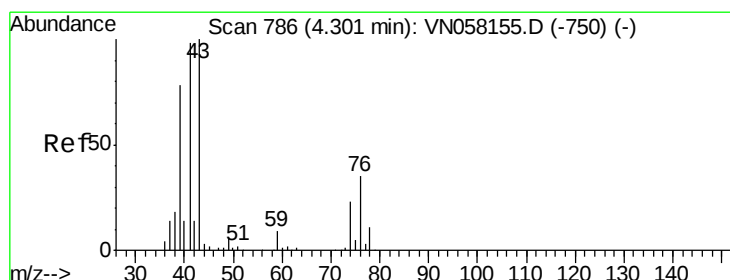
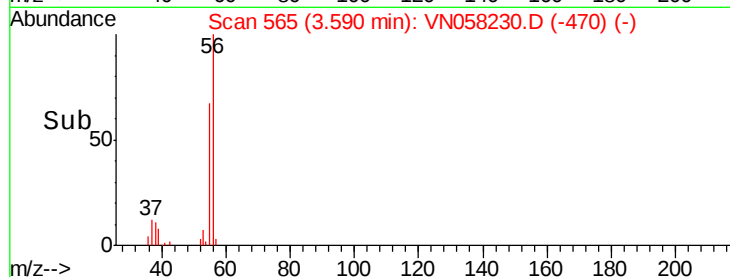
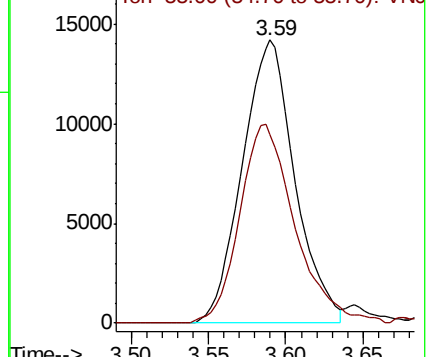
Ion Ratio Lower Upper

56 100

55 73.7 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.963 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

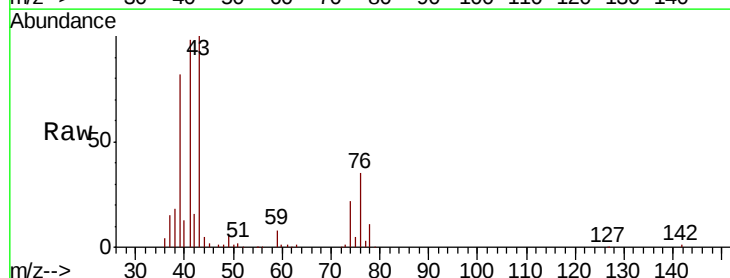
Tgt Ion: 41 Resp: 293276

Ion Ratio Lower Upper

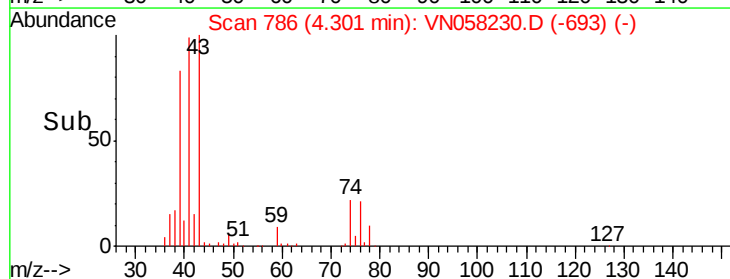
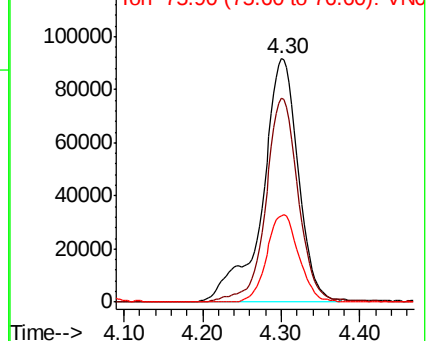
41 100

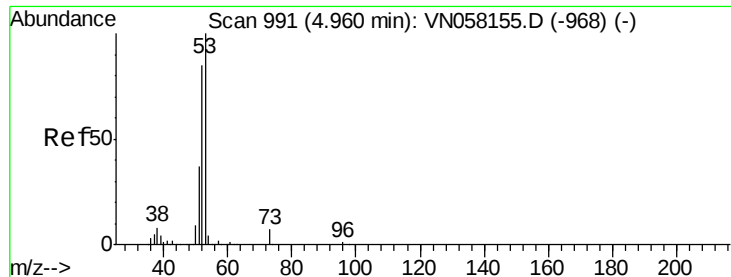
39 75.0 59.1 88.7

76 32.0 25.1 37.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 272.732 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

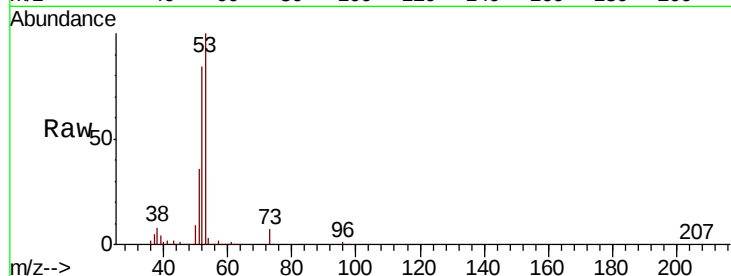
Tot Ion: 53 Resp: 556467

Ion Ratio Lower Upper

53 100

52 82.4 66.6 100.0

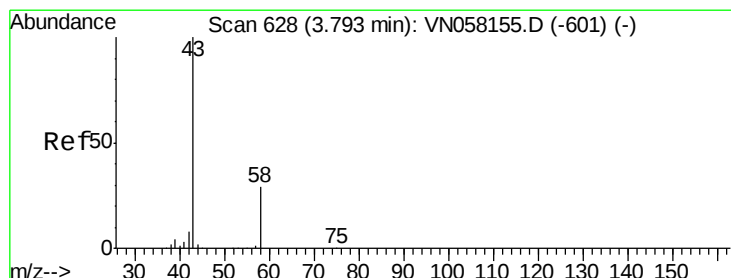
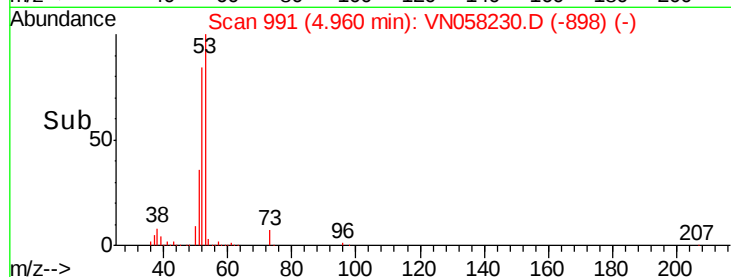
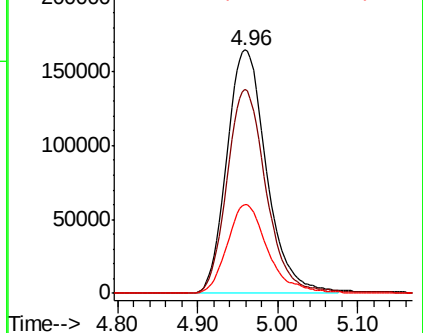
51 37.2 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 223.486 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058230.D

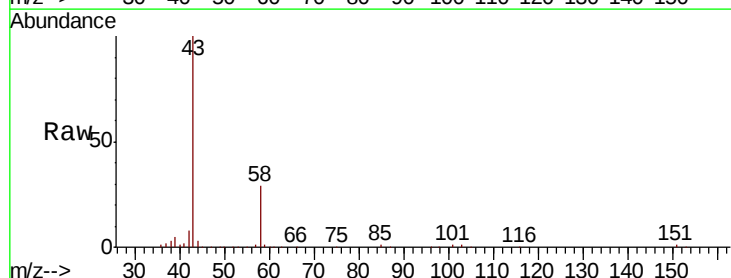
Acq: 20 Sep 2019 1:09

Tgt Ion: 43 Resp: 488386

Ion Ratio Lower Upper

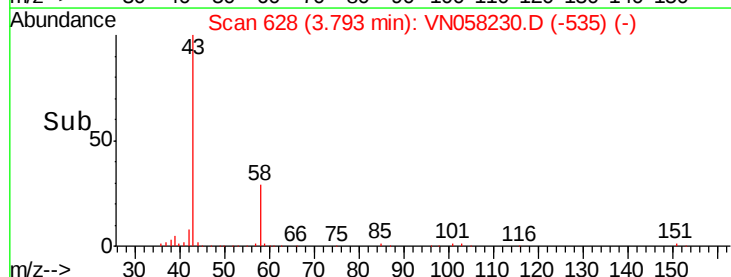
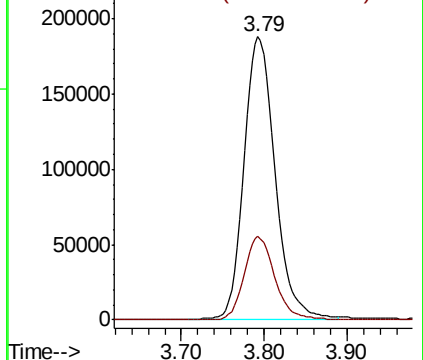
43 100

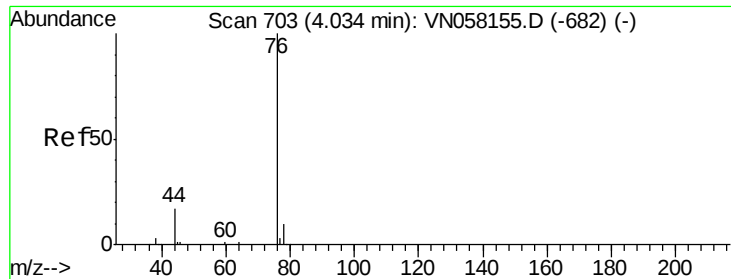
58 29.4 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

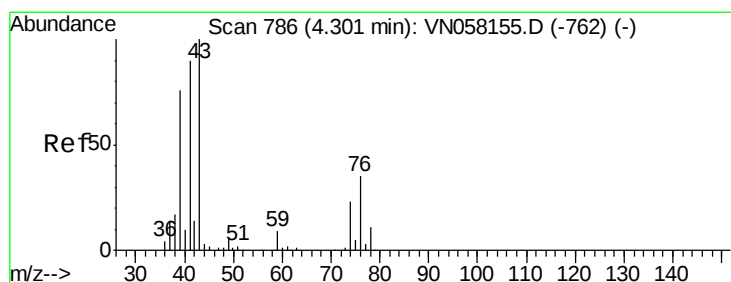
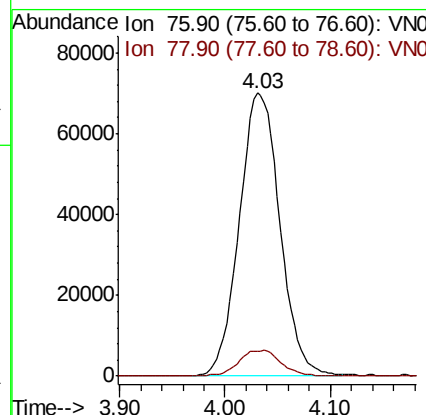
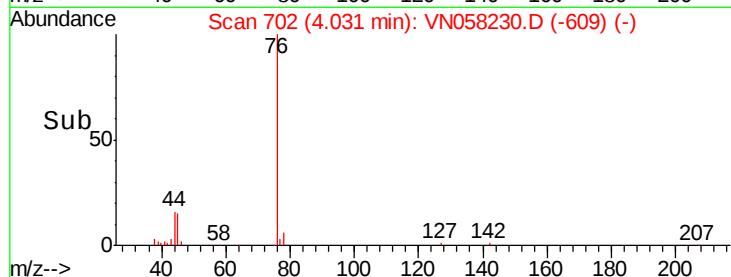
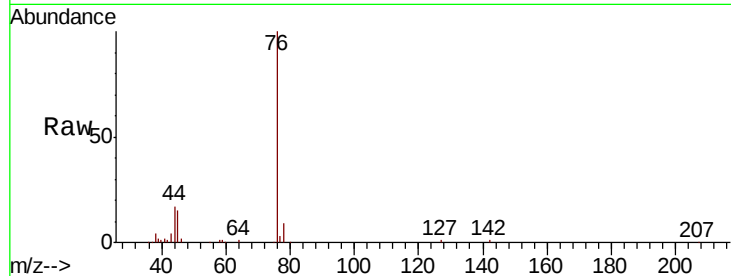




#17
Carbon Disulfide
Concen: 46.995 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

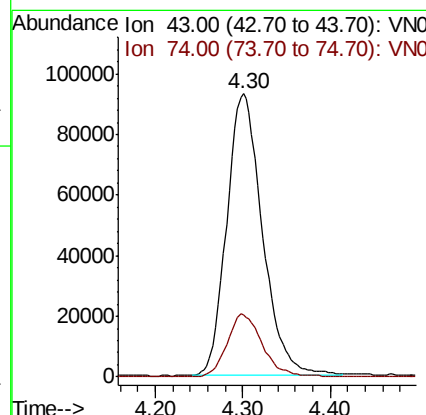
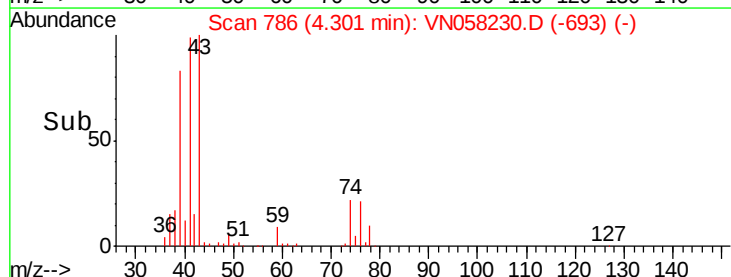
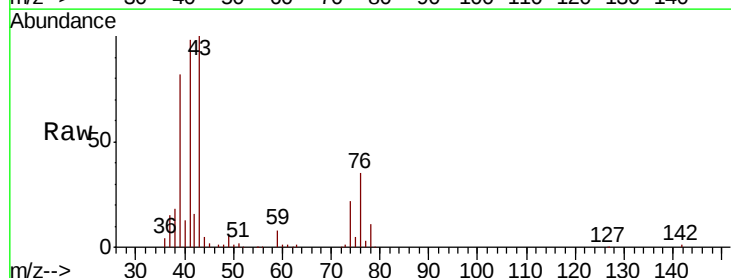
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

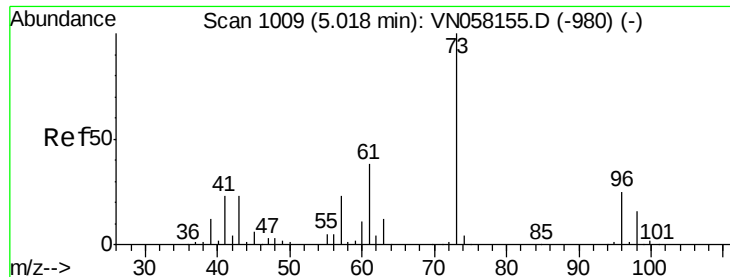
Tot Ion: 76 Resp: 187524
Ion Ratio Lower Upper
76 100
78 8.8 7.7 11.5



#18
Methyl Acetate
Concen: 45.800 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion: 43 Resp: 263362
Ion Ratio Lower Upper
43 100
74 22.2 18.0 27.0

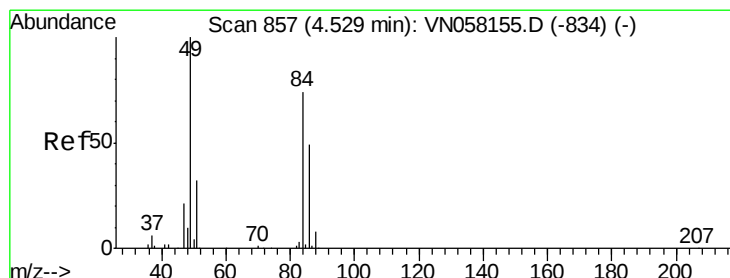
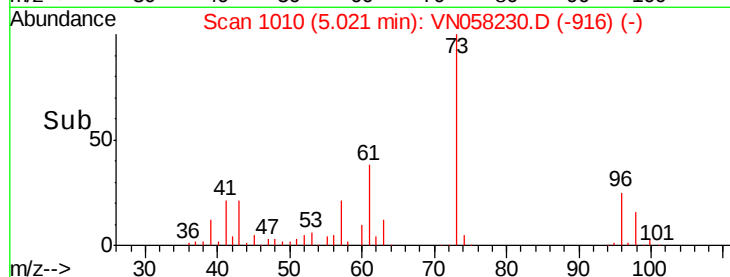
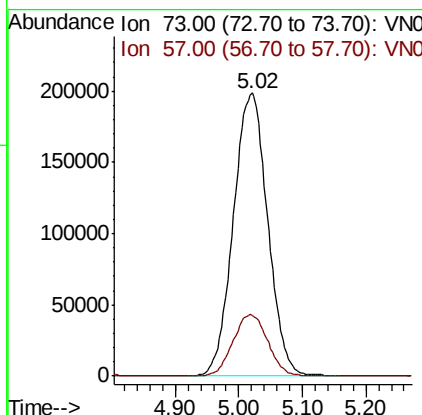
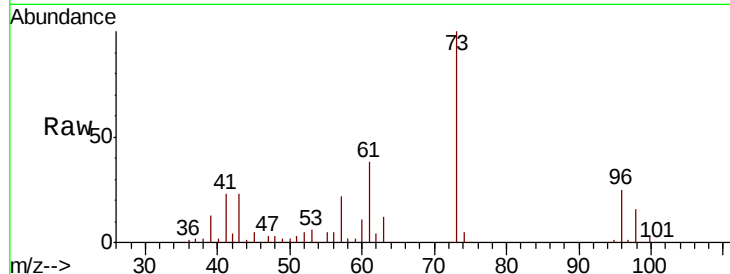




#19
Methvl tert-butvl Ether
Concen: 52.848 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

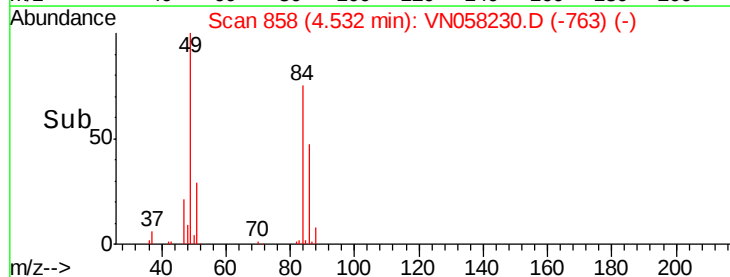
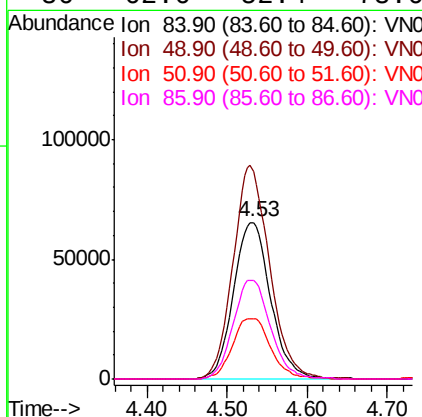
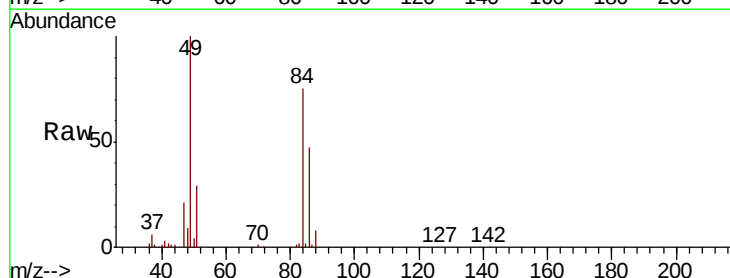
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

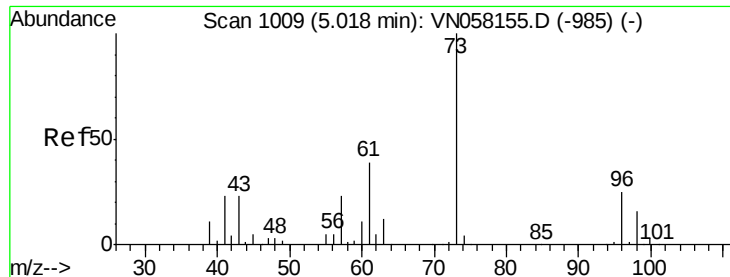
Tot Ion: 73 Resp: 744847
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1



#20
Methylene Chloride
Concen: 53.788 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion: 84 Resp: 205728
Ion Ratio Lower Upper
84 100
49 132.5 107.5 161.3
51 38.5 33.9 50.9
86 62.6 52.4 78.6

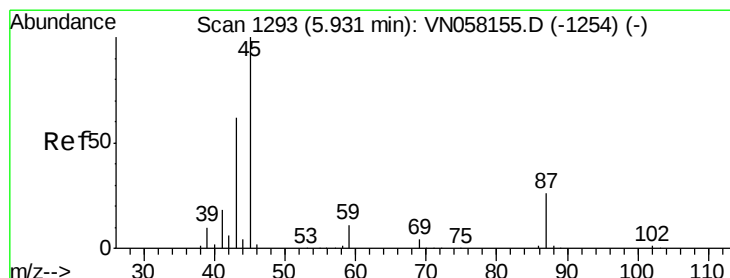
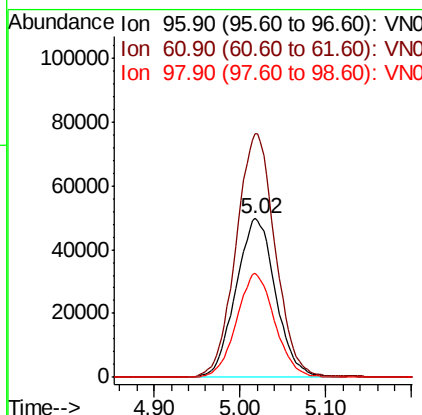
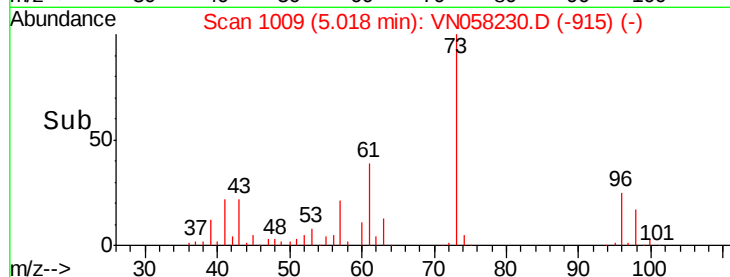
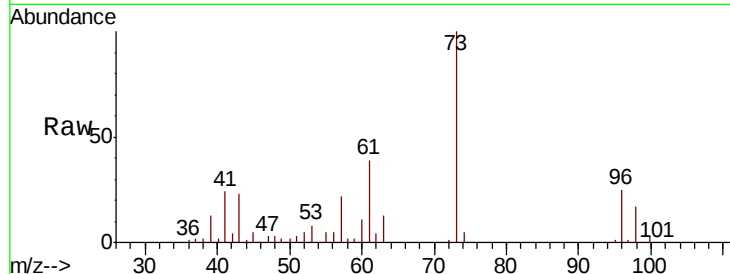




#21
trans-1,2-Dichloroethene
Concen: 51.581 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

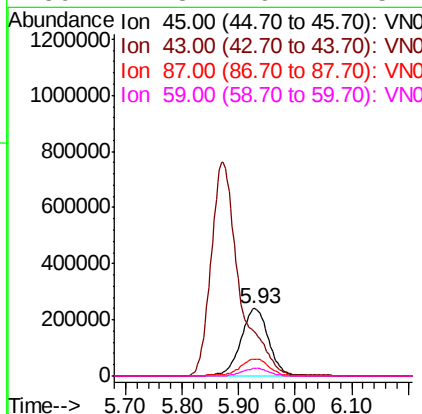
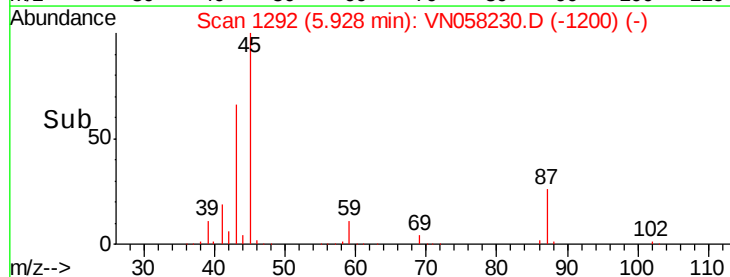
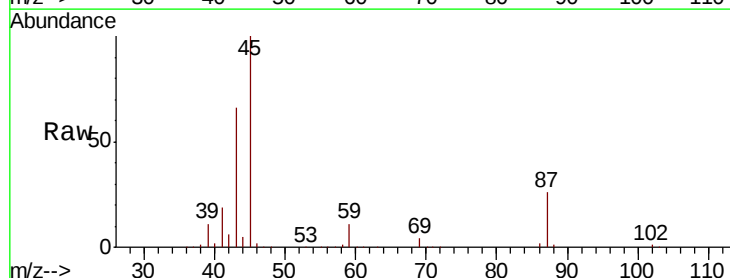
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

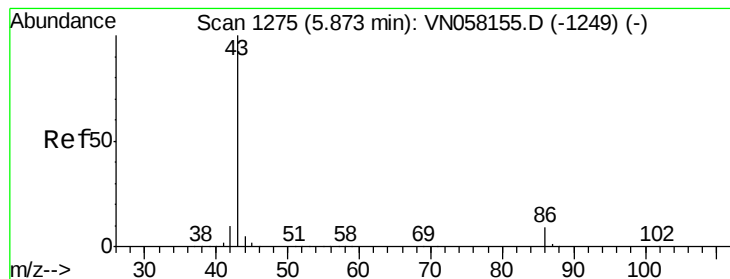
Tot Ion: 96 Resp: 159354
Ion Ratio Lower Upper
96 100
61 153.1 122.2 183.4
98 65.9 49.9 74.9



#22
Diisopropyl ether
Concen: 52.789 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion: 45 Resp: 819943
Ion Ratio Lower Upper
45 100
43 65.0 49.7 74.5
87 25.5 20.7 31.1
59 11.3 9.1 13.7





#23

Vinyl Acetate

Concen: 249.366 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

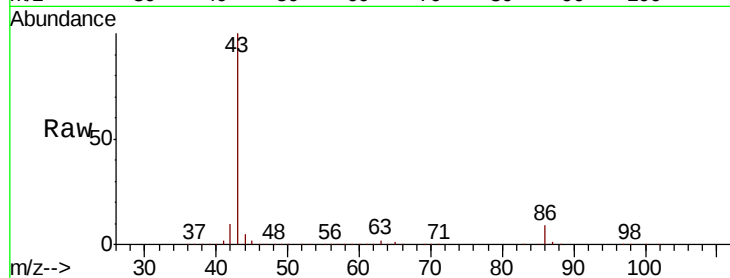
RE123D1-20190912MS

Tot Ion: 43 Resp: 2650305

Ion Ratio Lower Upper

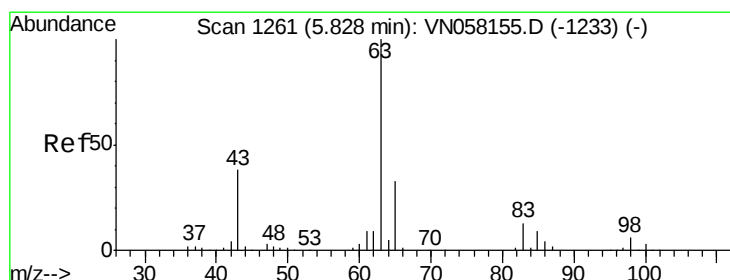
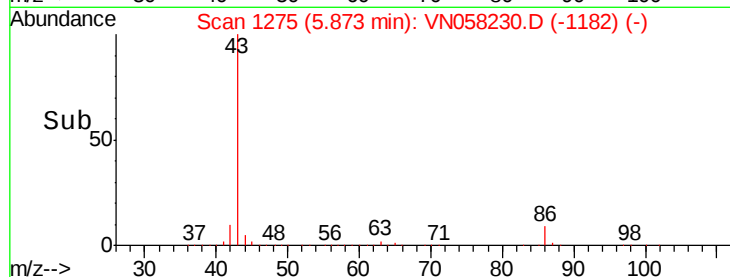
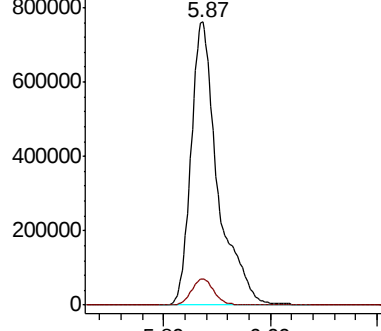
43 100

86 9.1 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.441 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

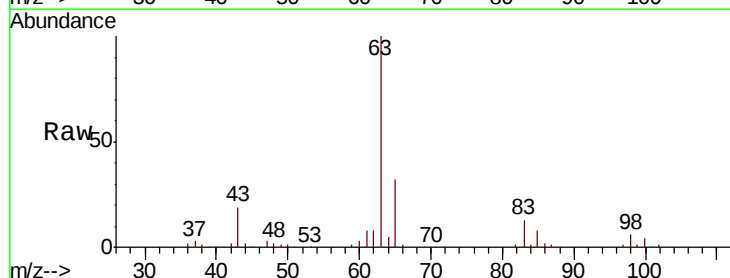
Tgt Ion: 63 Resp: 426448

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

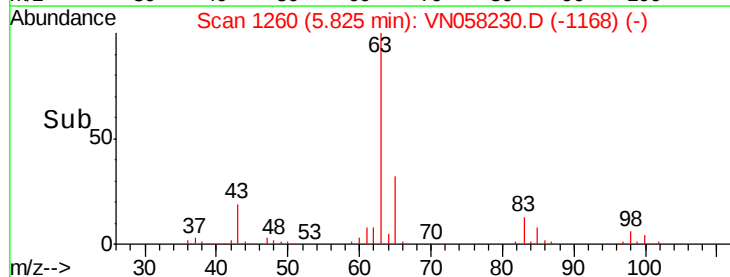
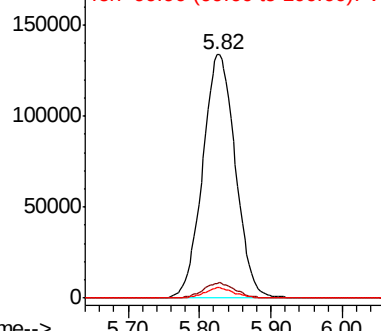
100 4.3 1.8 5.3

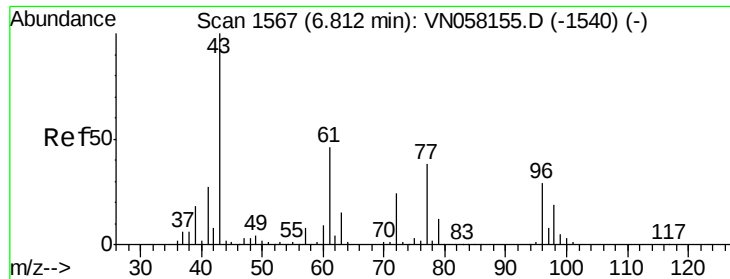


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 258.750 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

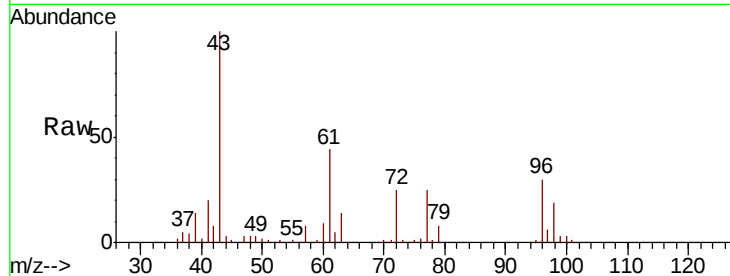
RE123D1-20190912MS

Tot Ion: 43 Resp: 770356

Ion Ratio Lower Upper

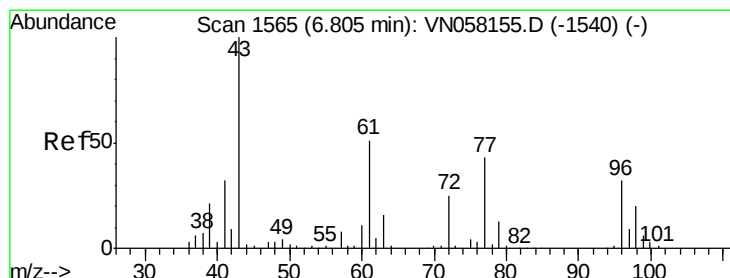
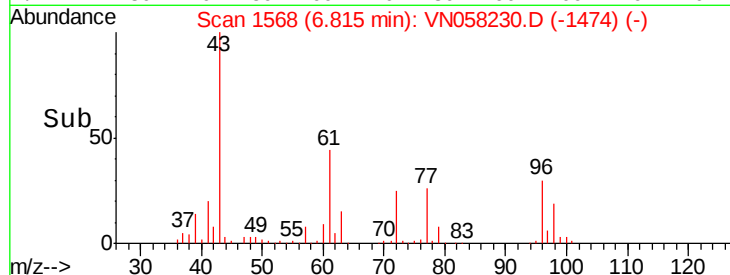
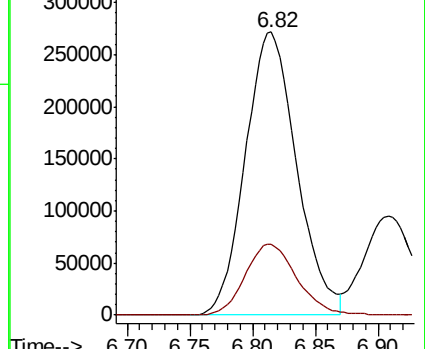
43 100

72 25.2 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 35.284 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058230.D

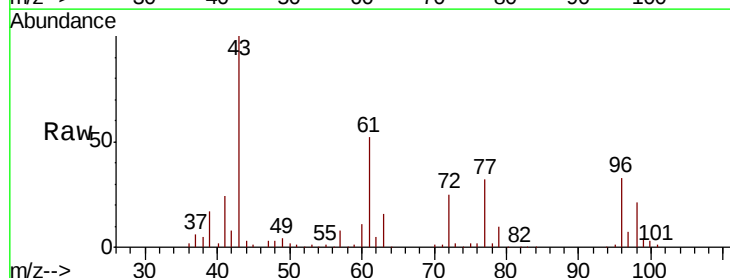
Acq: 20 Sep 2019 1:09

Tgt Ion: 77 Resp: 248150

Ion Ratio Lower Upper

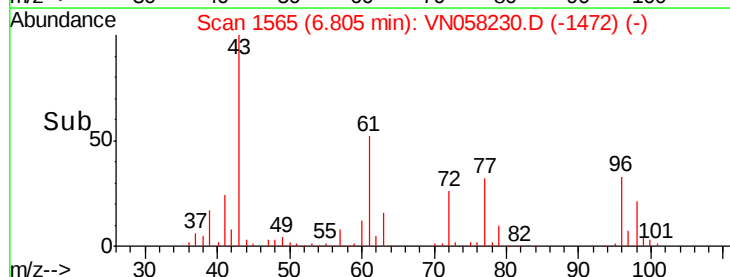
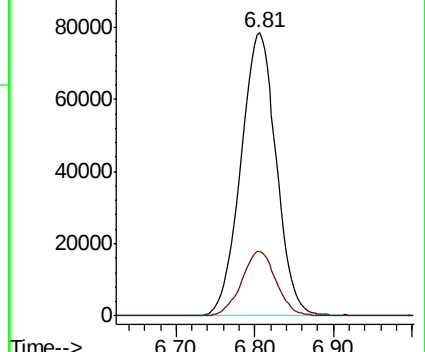
77 100

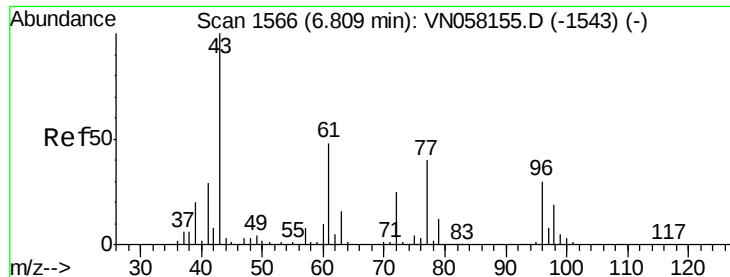
97 22.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 51.056 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

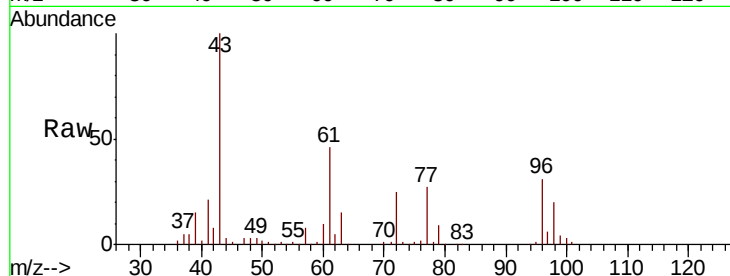
Tot Ion: 96 Resp: 239320

Ion Ratio Lower Upper

96 100

61 154.0 0.0 319.0

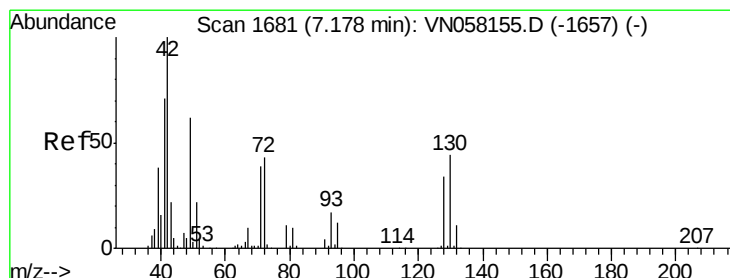
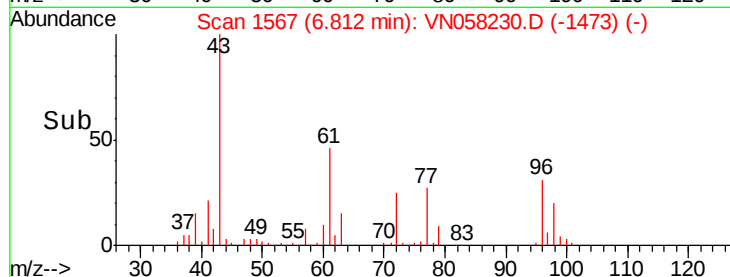
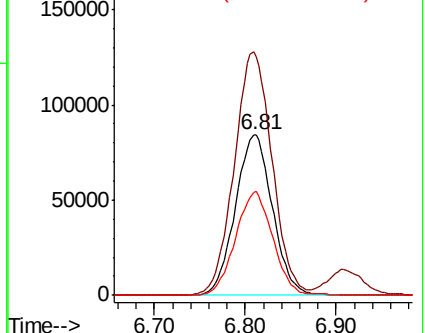
98 64.9 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 55.018 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

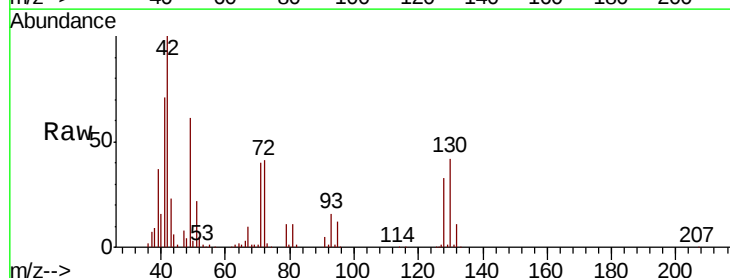
Tgt Ion: 49 Resp: 215762

Ion Ratio Lower Upper

49 100

129 1.3 0.0 1.8

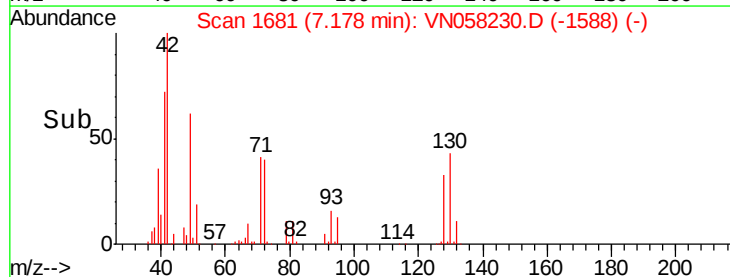
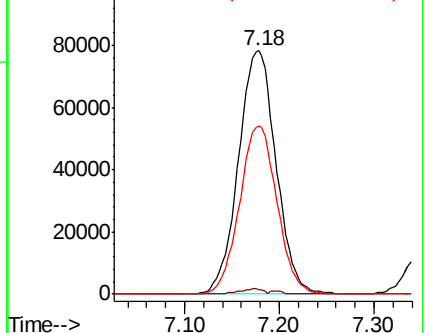
130 68.7 55.4 83.2

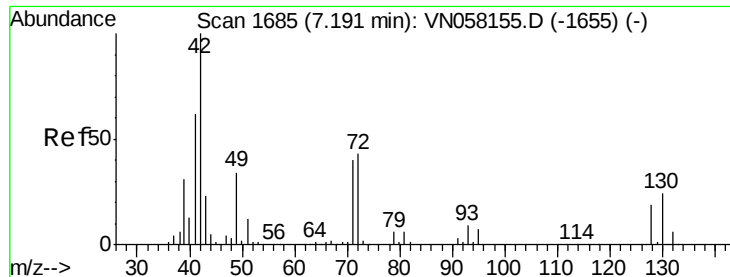


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

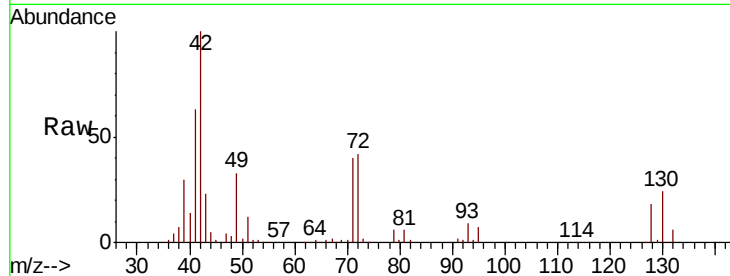




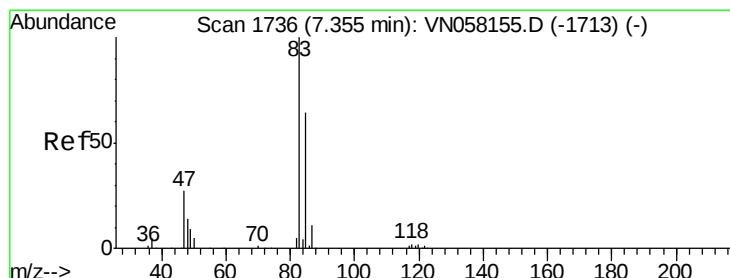
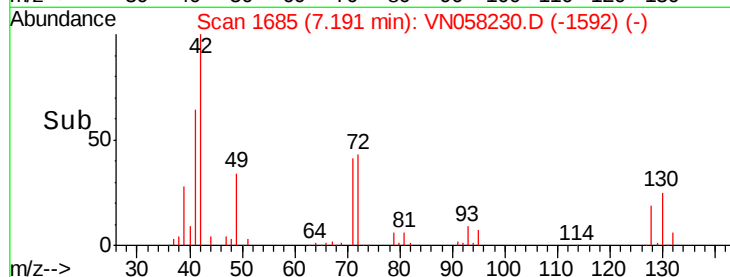
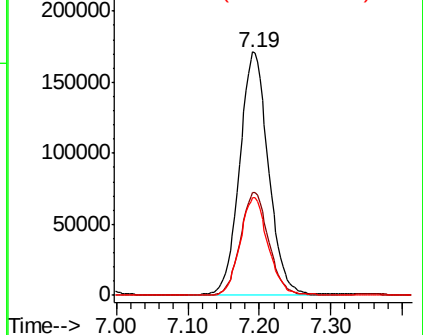
#29
Tetrahydrofuran
Concen: 262.303 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

Tot Ion: 42 Resp: 481034
Ion Ratio Lower Upper
42 100
72 41.9 33.8 50.6
71 39.1 31.4 47.0

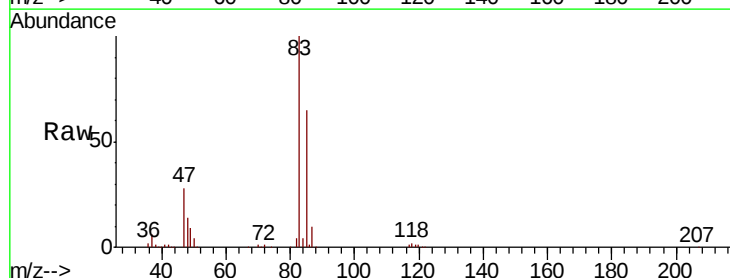


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

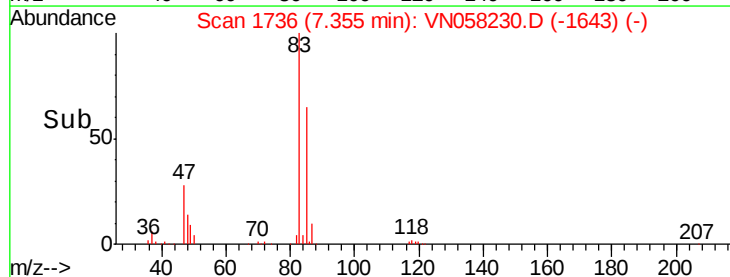
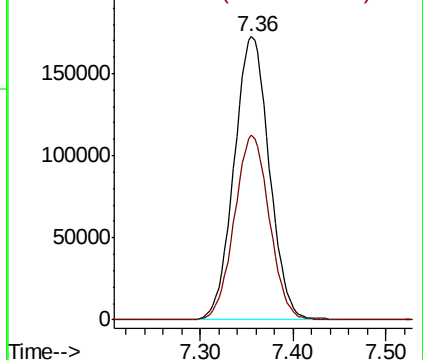


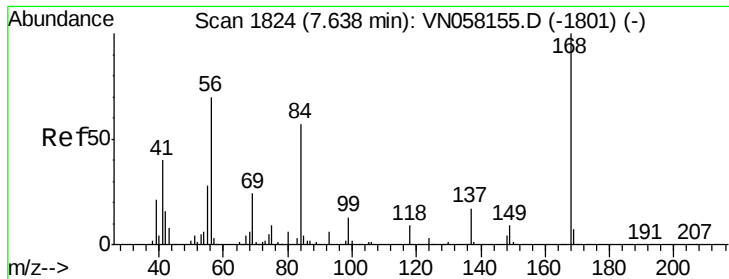
#30
Chloroform
Concen: 50.901 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion: 83 Resp: 454210
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.2



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

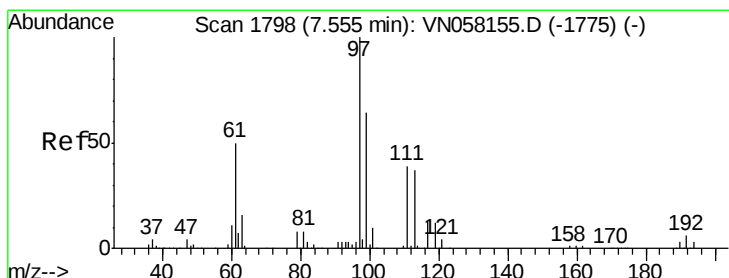
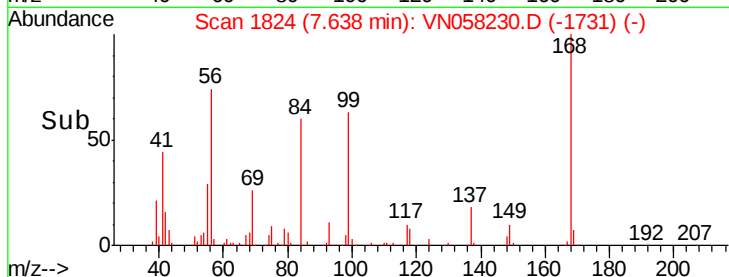
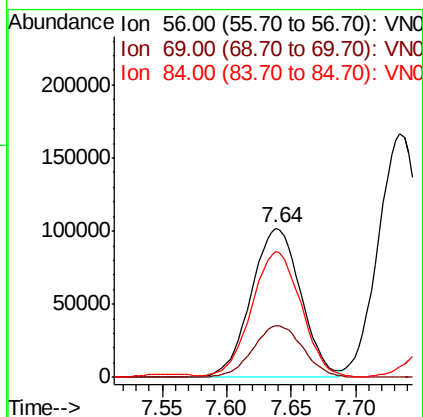
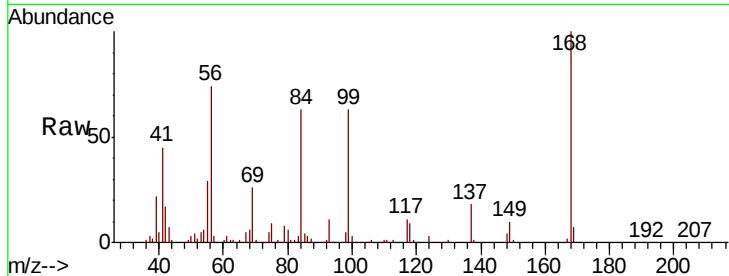




#31
Cyclohexane
Concen: 51.148 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

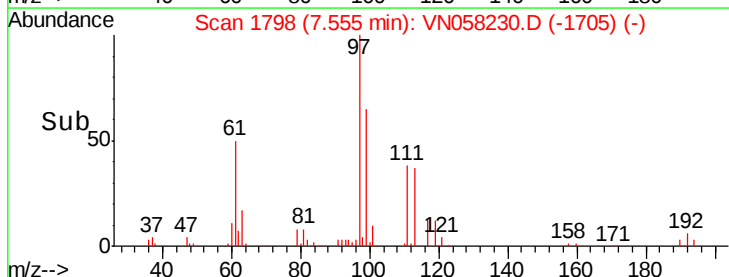
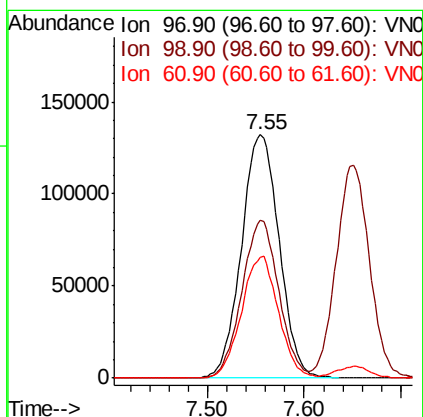
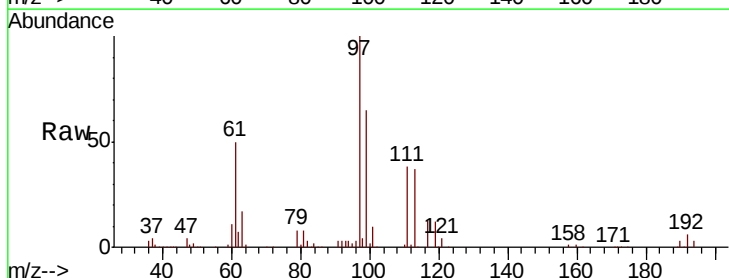
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

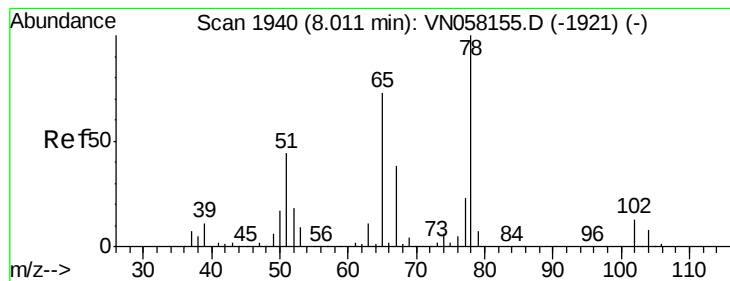
Tot Ion: 56 Resp: 273787
Ion Ratio Lower Upper
56 100
69 35.0 27.3 40.9
84 82.9 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 52.740 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion: 97 Resp: 358270
Ion Ratio Lower Upper
97 100
99 63.4 50.9 76.3
61 49.1 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 54.461 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

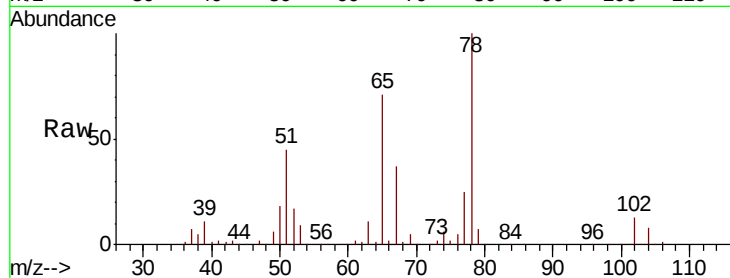
RE123D1-20190912MS

Tot Ion: 65 Resp: 350616

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN058230.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058230.D (-1847) (-)

8.01

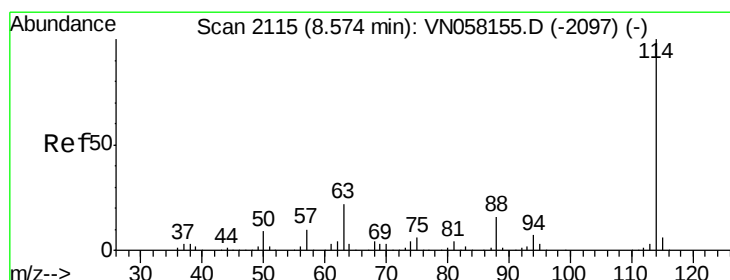
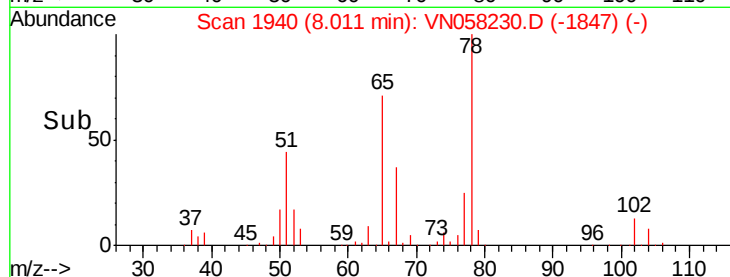
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

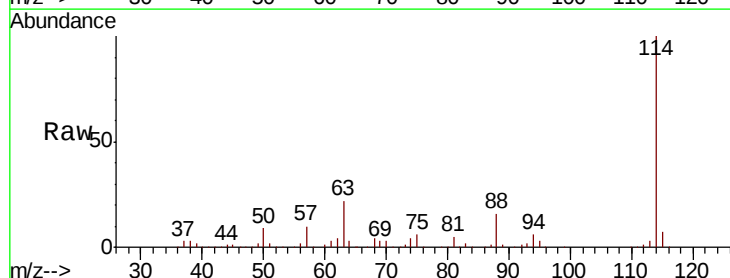
Tgt Ion: 114 Resp: 802423

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

88 16.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN058230.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058230.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058230.D (-2022) (-)

8.57

500000

400000

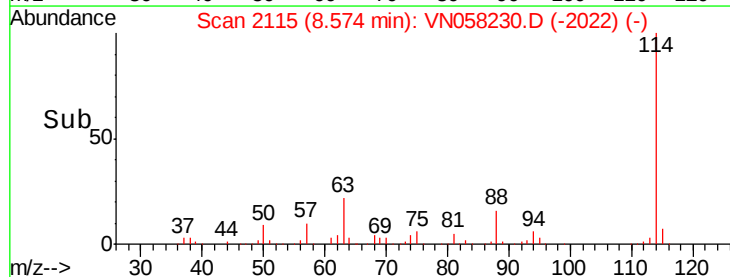
300000

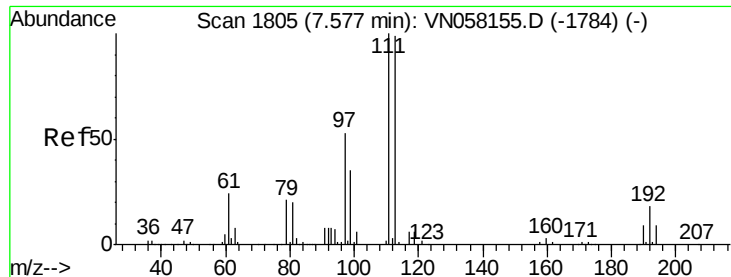
200000

100000

0

Time--> 8.50 8.55 8.60 8.65 8.70

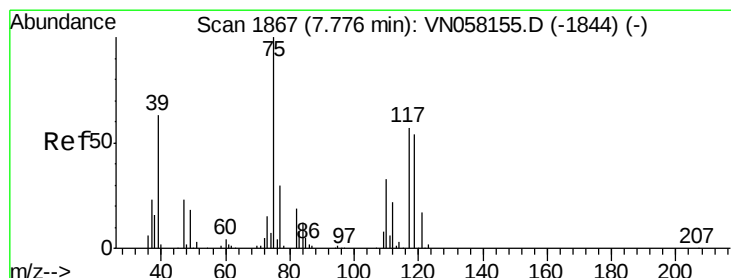
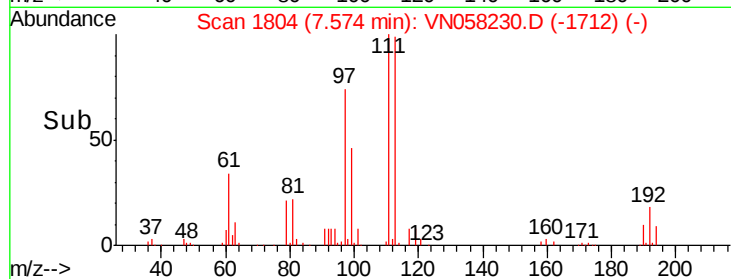
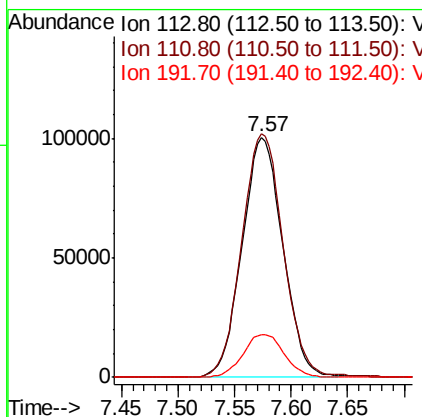
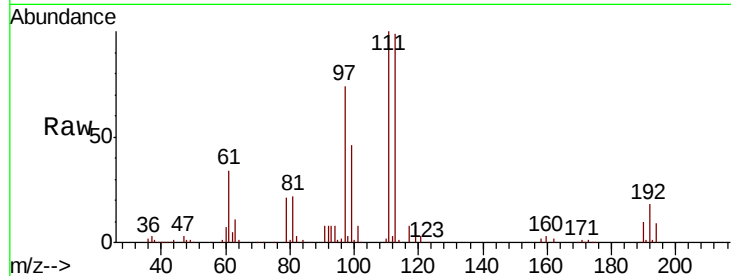




#35
 Dibromofluoromethane
 Concen: 51.551 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

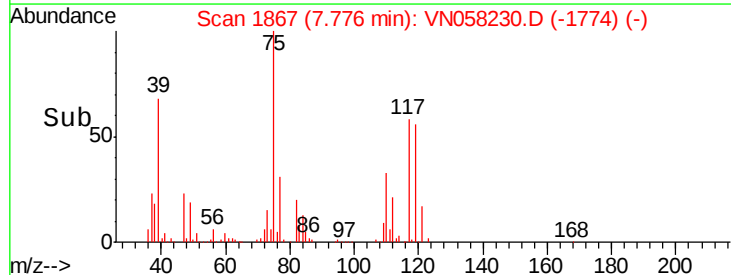
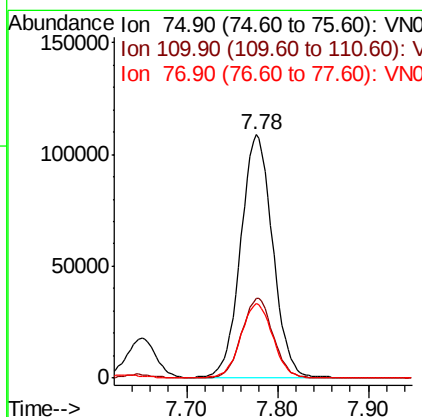
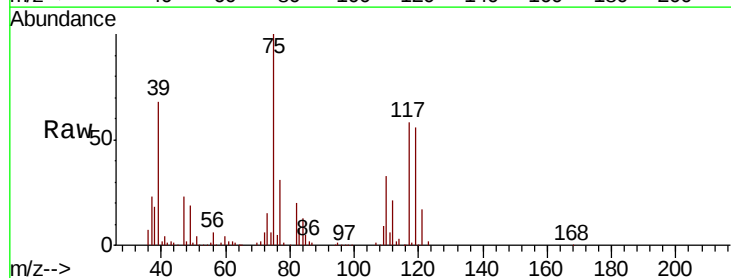
Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.8	122.6
192	18.1	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 45.826 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.6	49.7
77	31.0	24.3	36.5

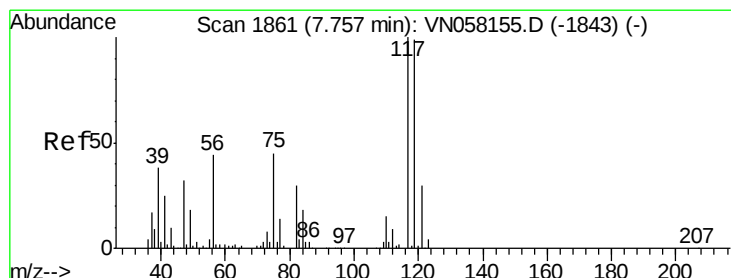
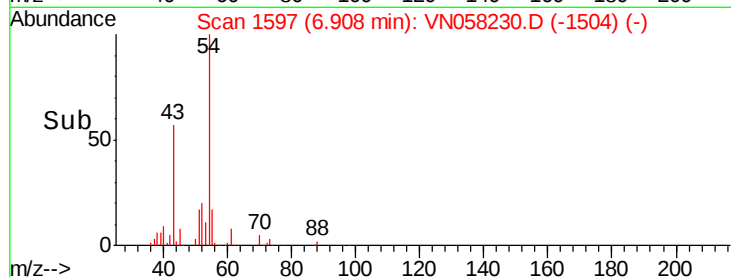
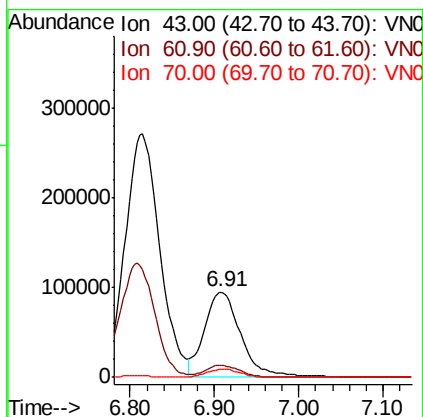
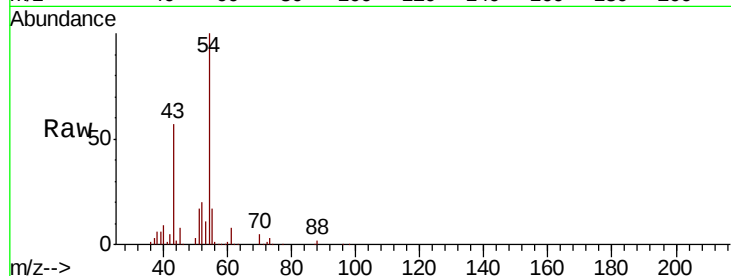




#37
Ethyl Acetate
Concen: 46.482 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

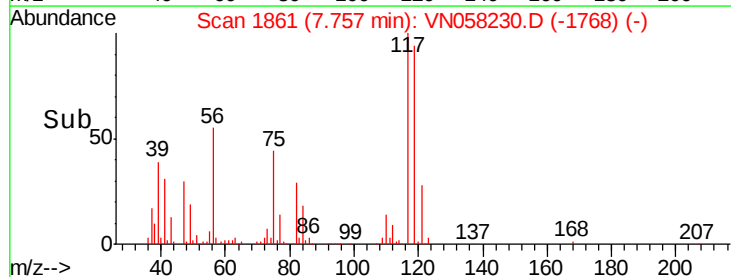
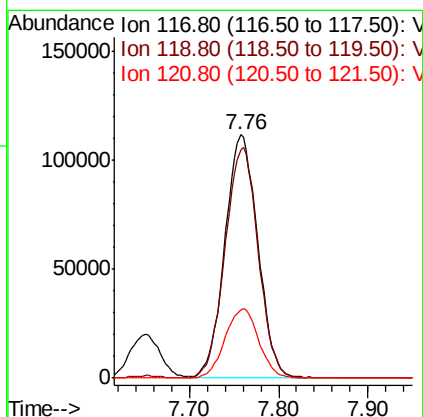
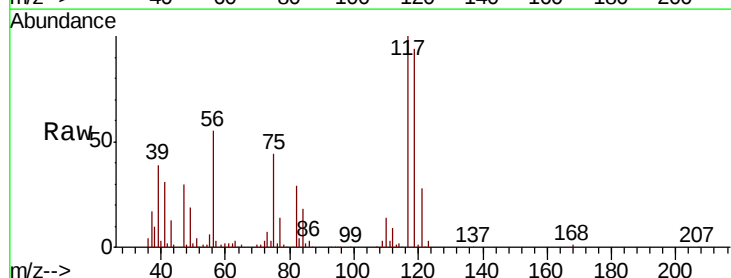
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

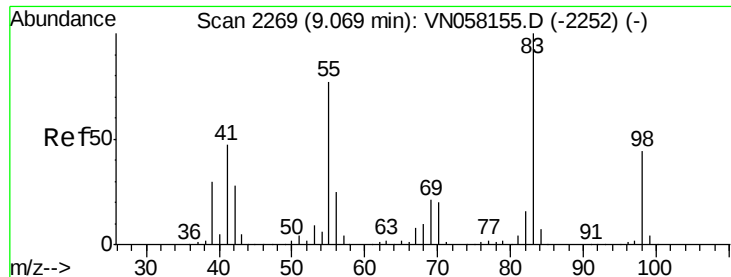
Tot Ion: 43 Resp: 279140
Ion Ratio Lower Upper
43 100
61 13.8 10.7 16.1
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.109 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion: 117 Resp: 285664
Ion Ratio Lower Upper
117 100
119 93.5 78.6 117.8
121 28.0 24.1 36.1

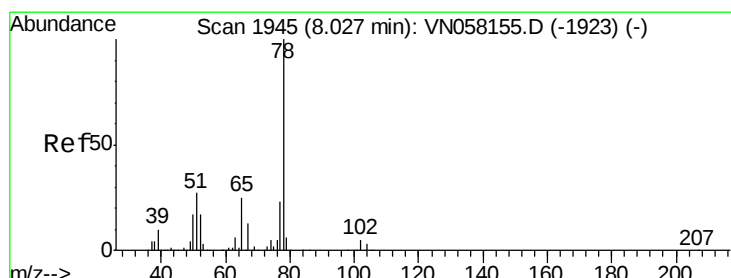
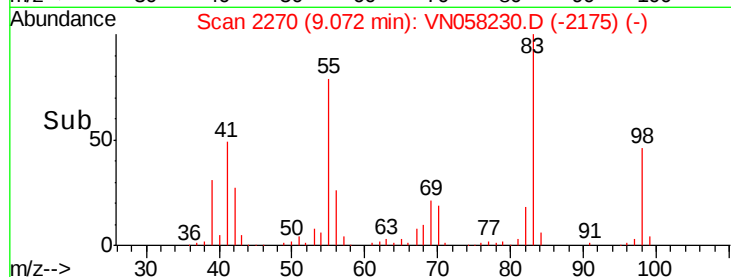
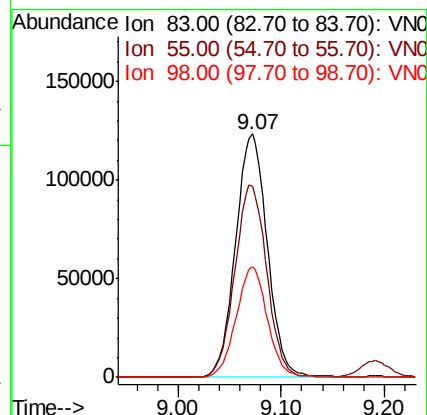
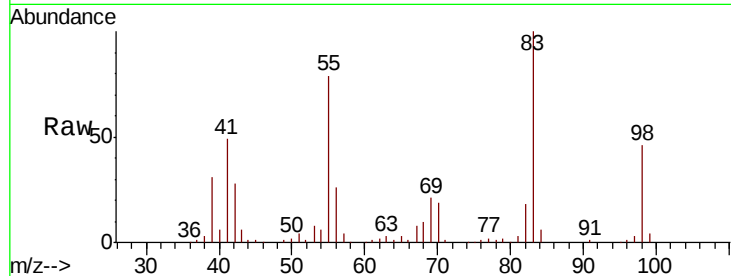




#39
Methvlcvclohexane
Concen: 47.419 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

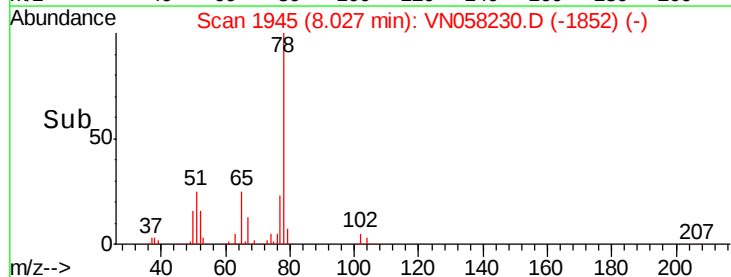
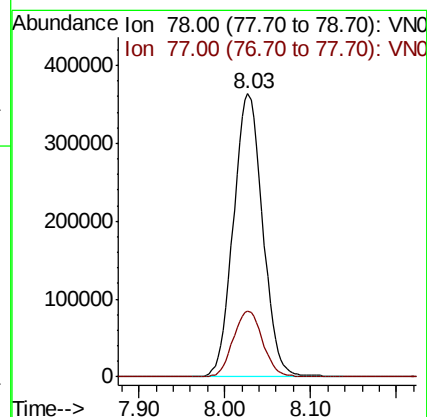
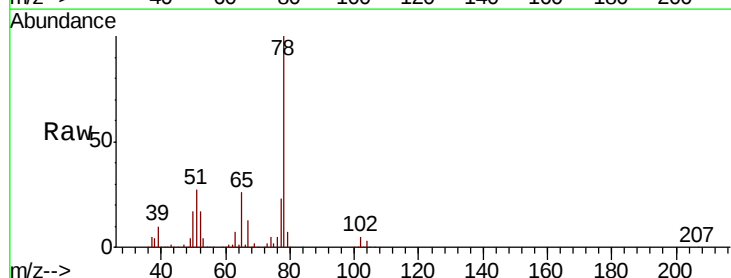
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

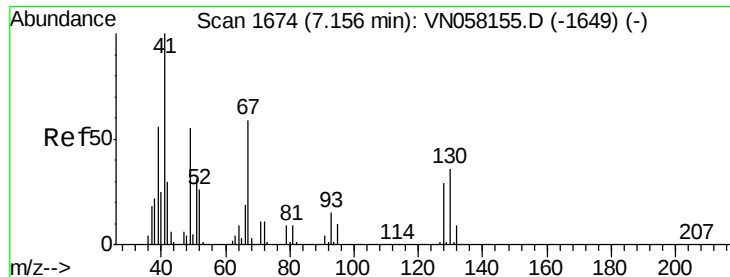
Tot Ion	83.00	Resp	265287
Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.9	92.9
98	45.5	35.4	53.2



#40
Benzene
Concen: 48.646 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion	78.00	Resp	859801
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2

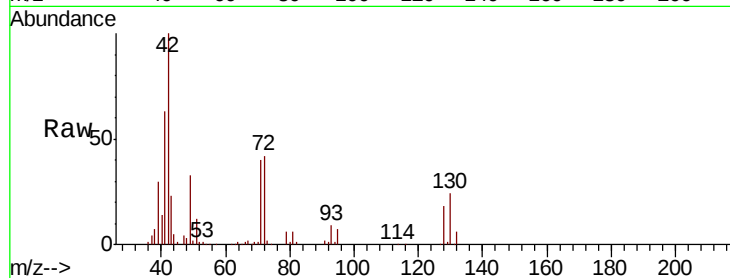




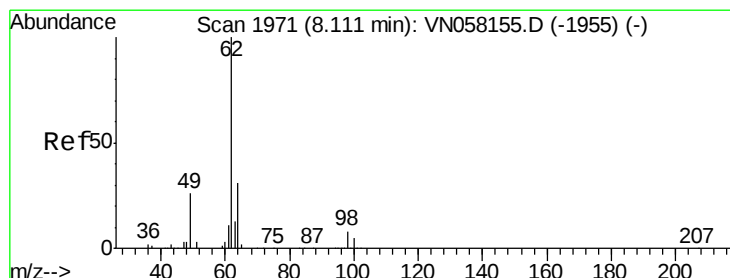
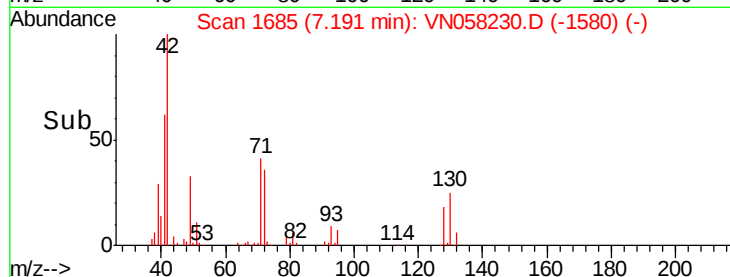
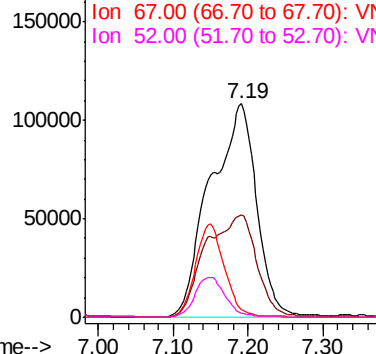
#41
Methacrylonitrile
Concen: 151.702 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

Tot Ion:	41	Resp:	464656
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

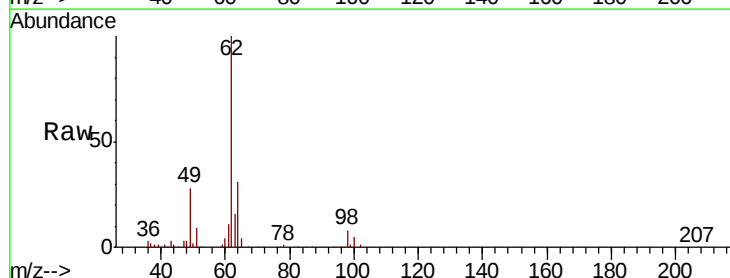


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

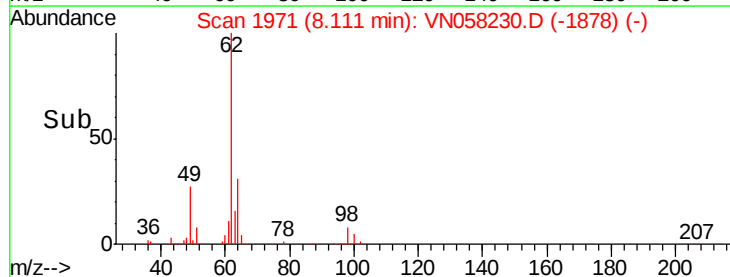
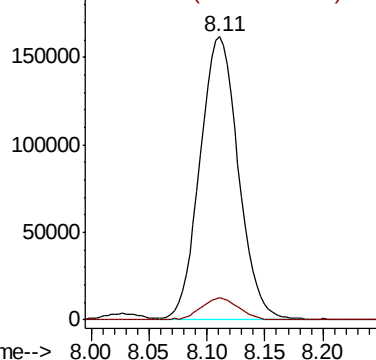


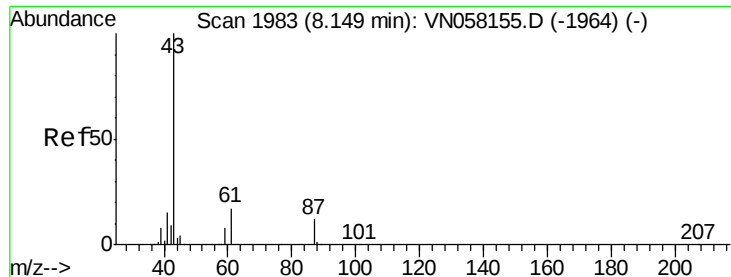
#42
1,2-Dichloroethane
Concen: 49.893 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion:	62	Resp:	370022
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 46.385 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

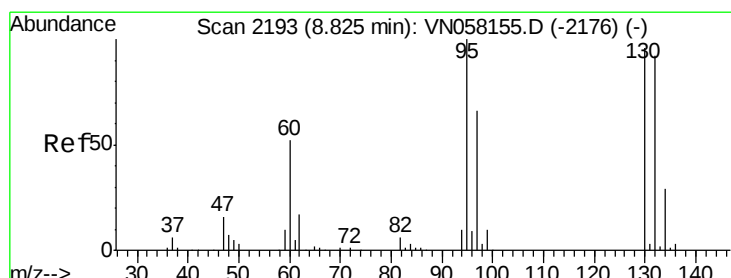
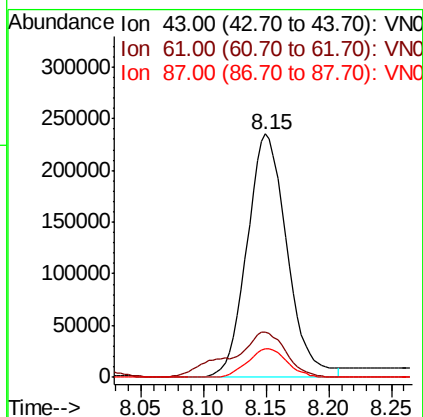
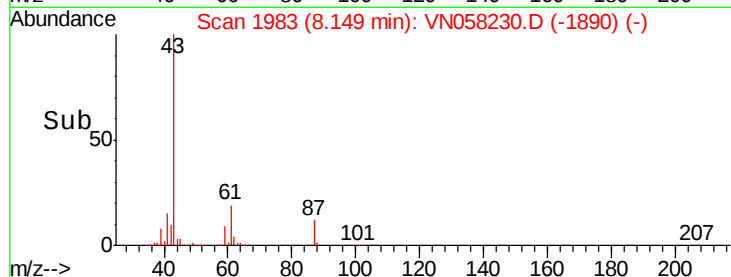
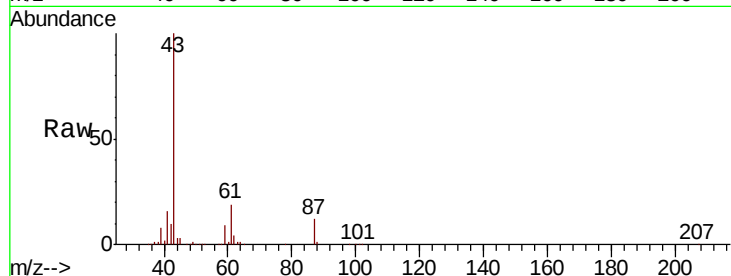
Tot Ion: 43 Resp: 520230

Ion Ratio Lower Upper

43 100

61 25.0 19.7 29.5

87 11.8 9.4 14.2



#44

Trichloroethene

Concen: 61.319 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058230.D

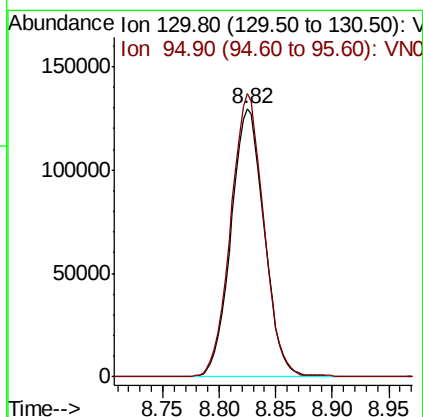
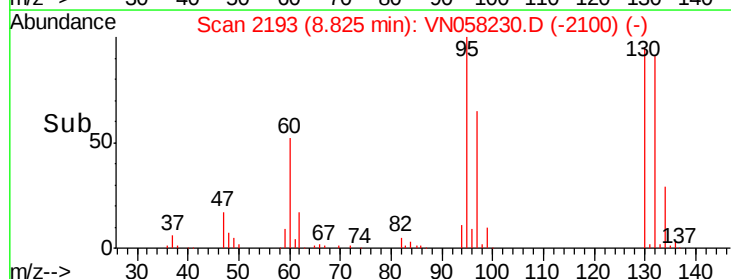
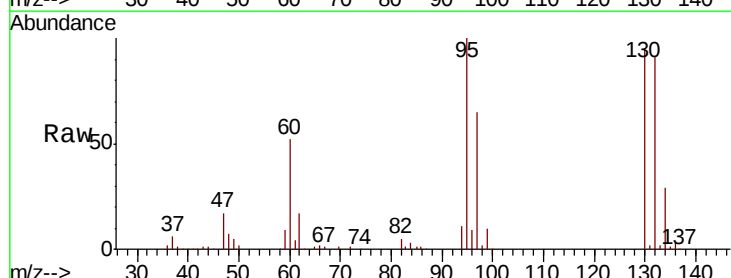
Acq: 20 Sep 2019 1:09

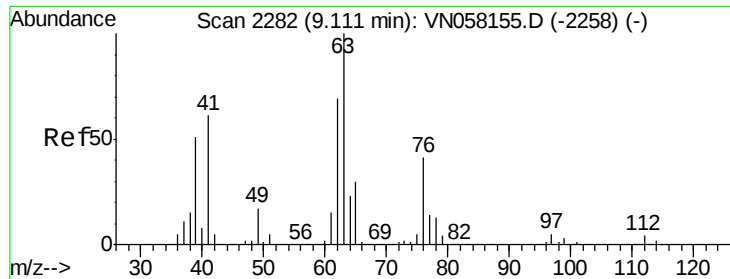
Tgt Ion: 130 Resp: 265216

Ion Ratio Lower Upper

130 100

95 105.4 0.0 207.8





#45

1,2-Dichloropropane

Concen: 50.968 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

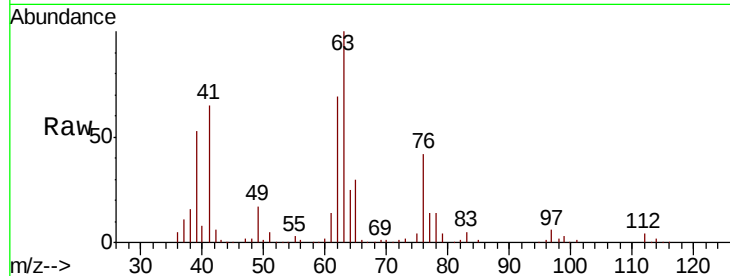
RE123D1-20190912MS

Tot Ion: 63 Resp: 269021

Ion Ratio Lower Upper

63 100

65 30.5 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN058230.D (-2189) (-)

Ion 64.90 (64.60 to 65.60): VN058230.D (-2189) (-)

150000

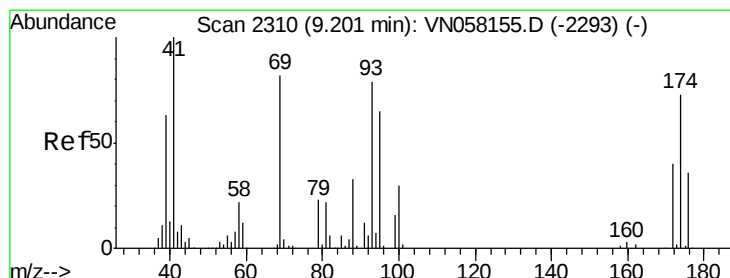
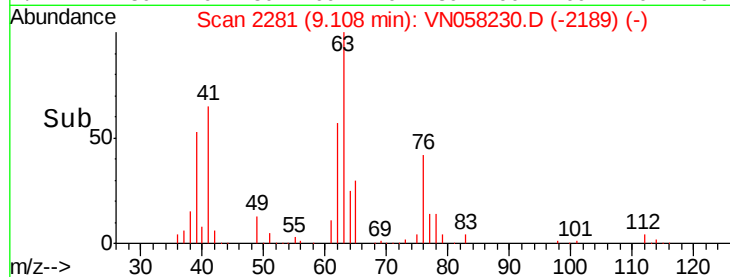
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 50.607 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

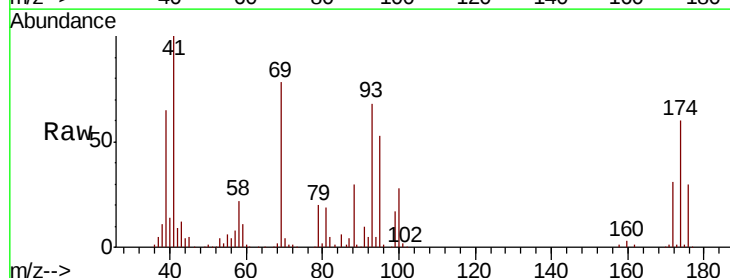
Tgt Ion: 93 Resp: 162401

Ion Ratio Lower Upper

93 100

95 80.6 66.8 100.2

174 89.3 73.8 110.8



Abundance Ion 92.80 (92.50 to 93.50): VN058230.D (-2217) (-)

Ion 94.80 (94.50 to 95.50): VN058230.D (-2217) (-)

Ion 173.70 (173.40 to 174.40): VN058230.D (-2217) (-)

100000

80000

60000

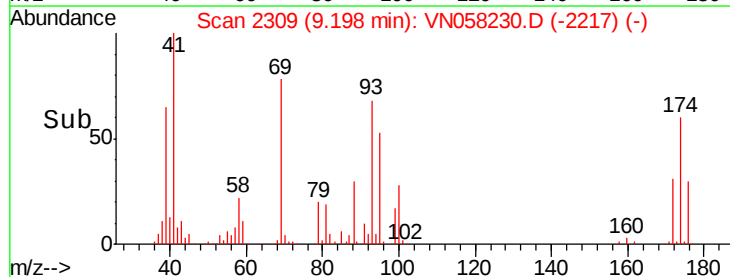
40000

20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 52.079 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

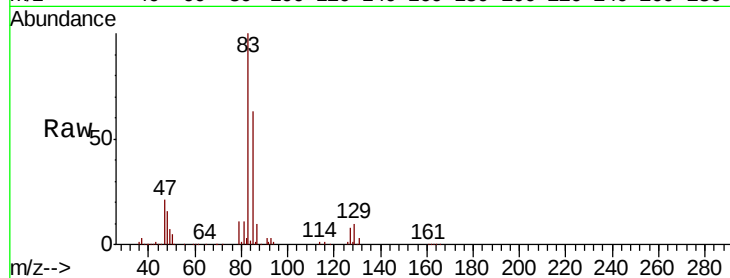
Tot Ion: 83 Resp: 350126

Ion Ratio Lower Upper

83 100

85 62.9 50.1 75.1

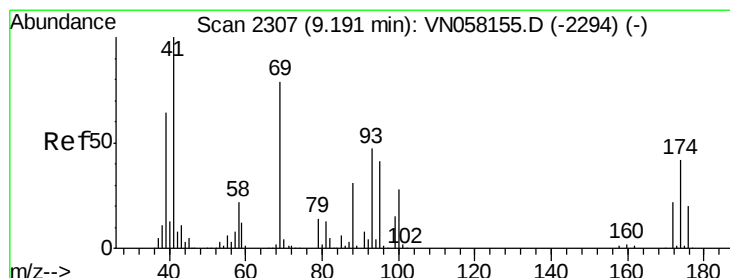
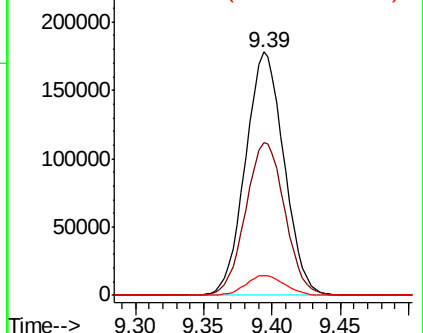
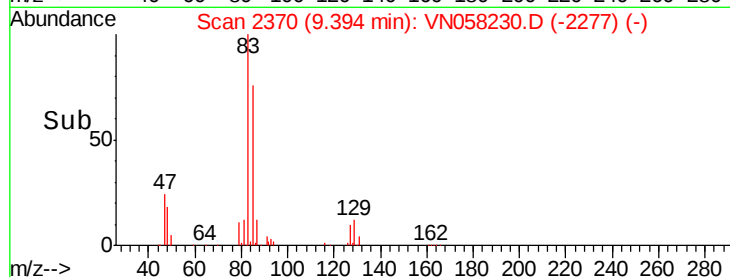
127 8.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN058230.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058230.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058230.D (-2277) (-)



#48

Methyl methacrylate

Concen: 52.480 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

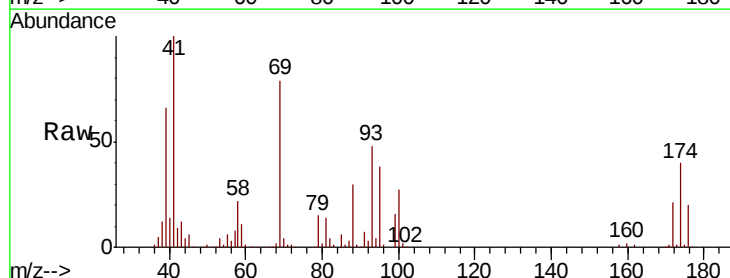
Tgt Ion: 41 Resp: 267246

Ion Ratio Lower Upper

41 100

69 77.8 62.5 93.7

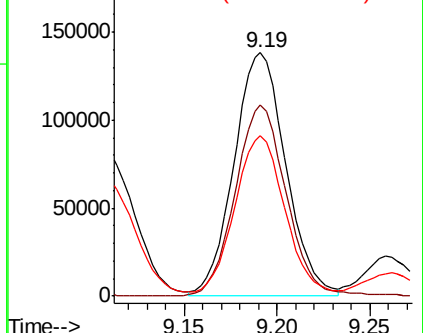
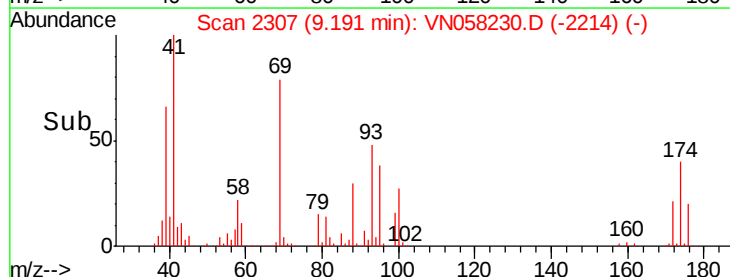
39 64.3 52.3 78.5

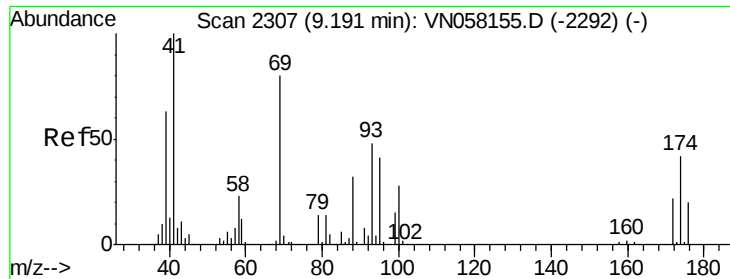


Abundance Ion 41.00 (40.70 to 41.70): VN058230.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058230.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058230.D (-2214) (-)

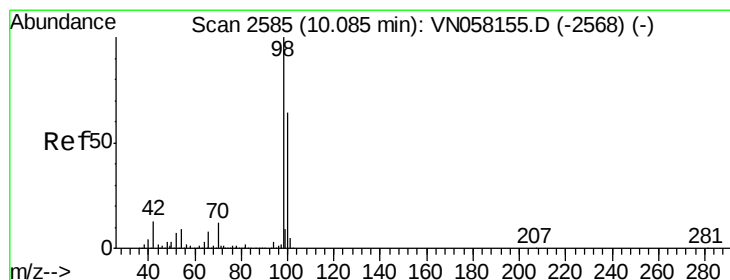
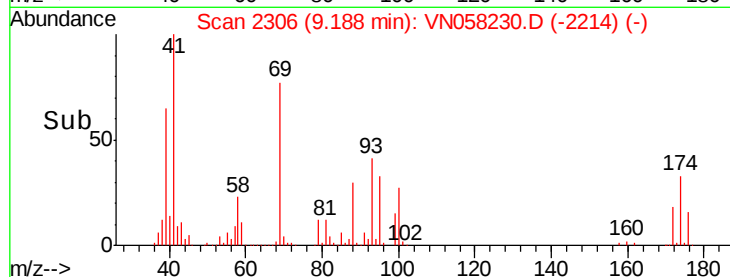
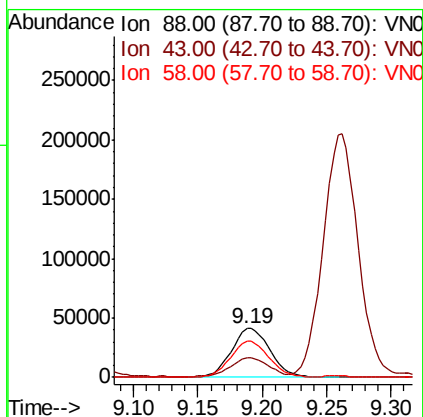
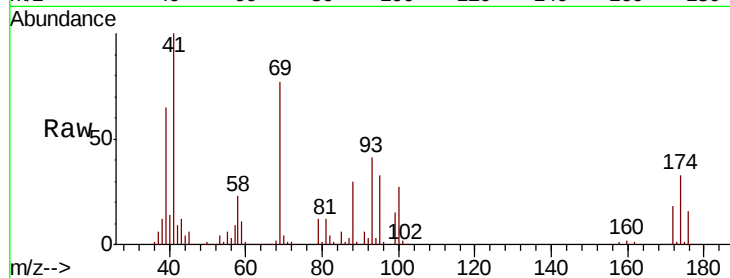




#49
1,4-Dioxane
Concen: 1029.504 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

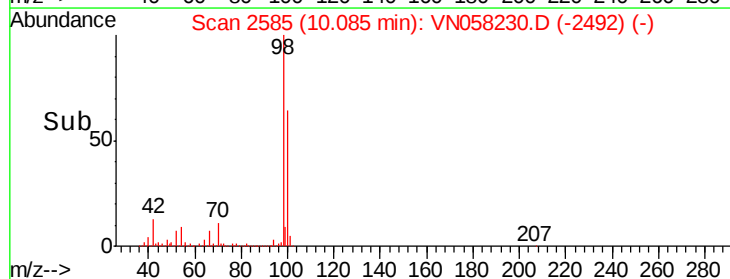
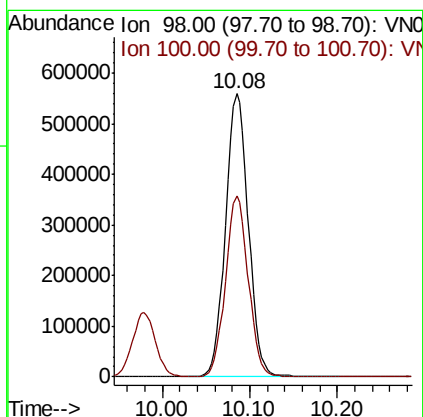
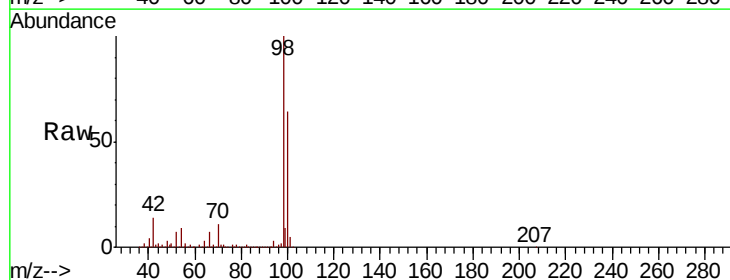
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

Tot Ion: 88 Resp: 86073
Ion Ratio Lower Upper
88 100
43 35.9 27.8 41.8
58 73.8 55.0 82.4



#50
Toluene-d8
Concen: 53.381 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion: 98 Resp: 1014563
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 289.209 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

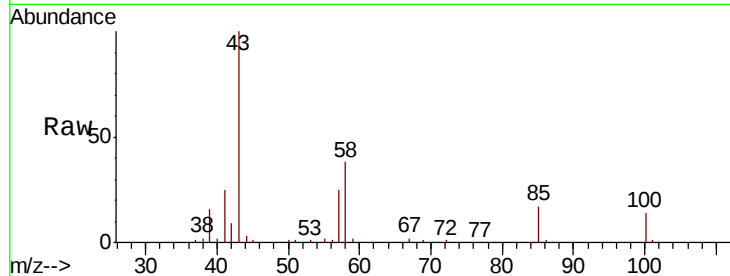
RE123D1-20190912MS

Tot Ion: 43 Resp: 1722873

Ion Ratio Lower Upper

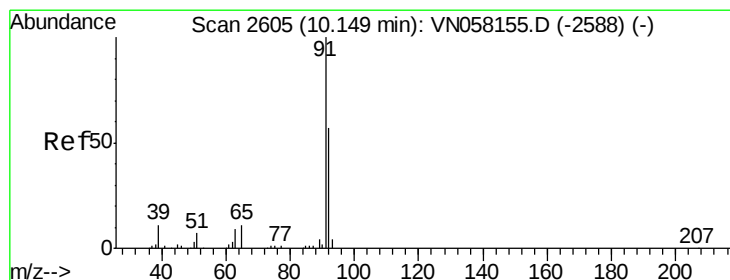
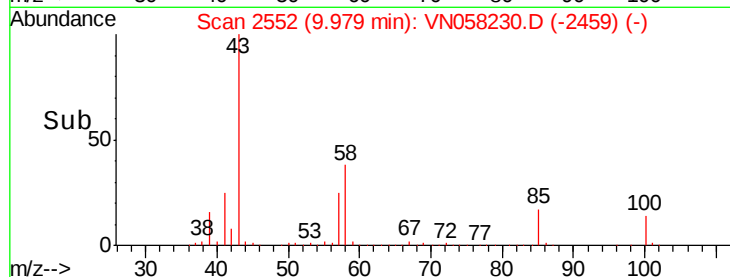
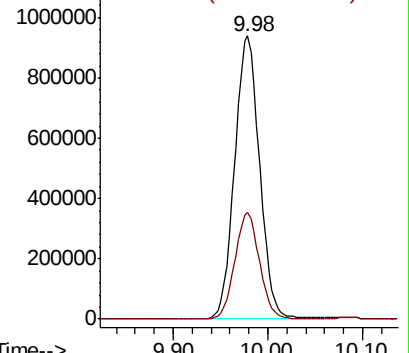
43 100

58 37.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.102 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058230.D

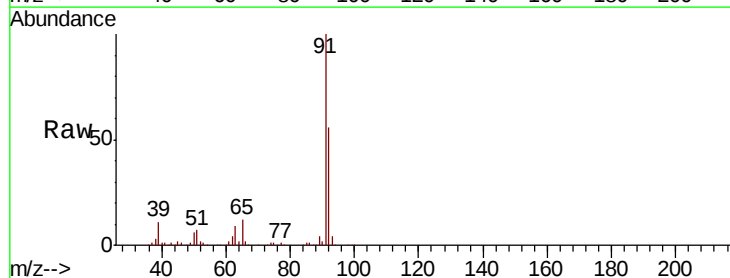
Acq: 20 Sep 2019 1:09

Tgt Ion: 92 Resp: 554971

Ion Ratio Lower Upper

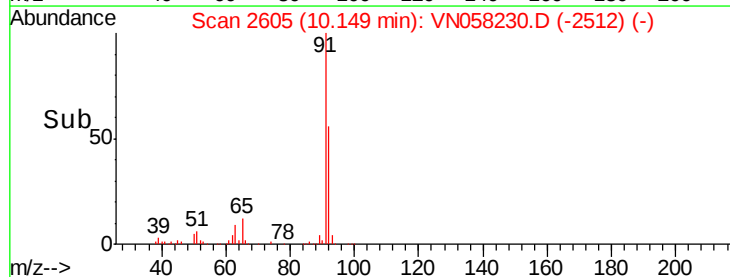
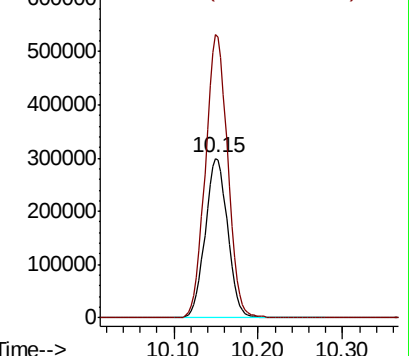
92 100

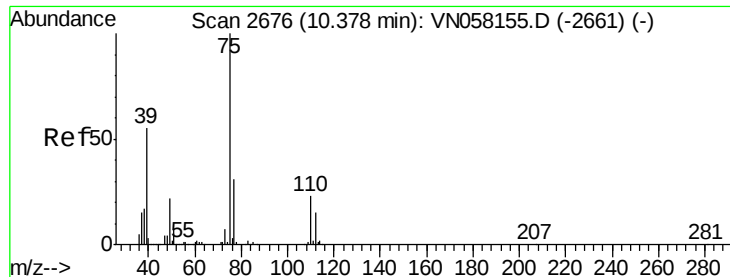
91 176.3 140.2 210.2



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: 50.470 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

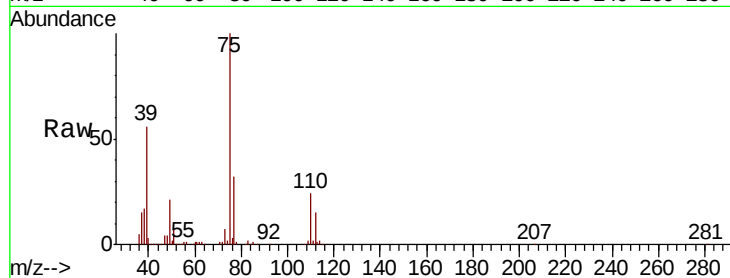
RE123D1-20190912MS

Tot Ion: 75 Resp: 347569

Ion Ratio Lower Upper

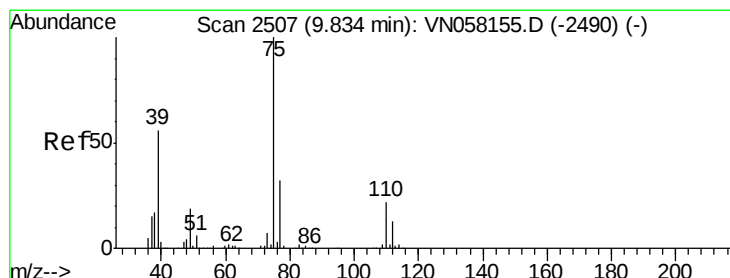
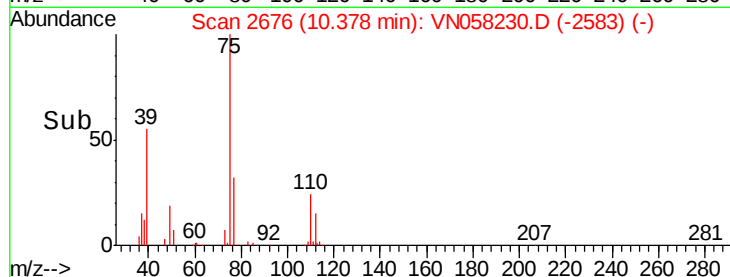
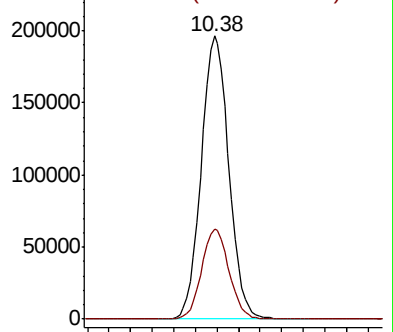
75 100

77 32.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.889 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

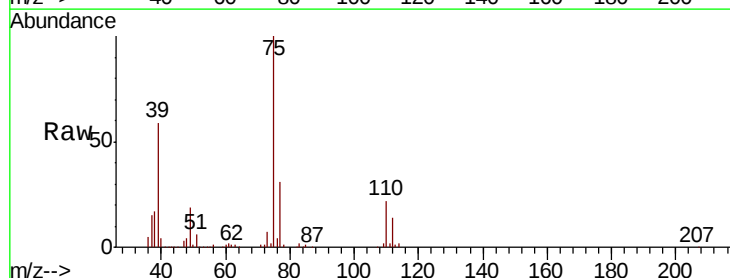
Tgt Ion: 75 Resp: 371717

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

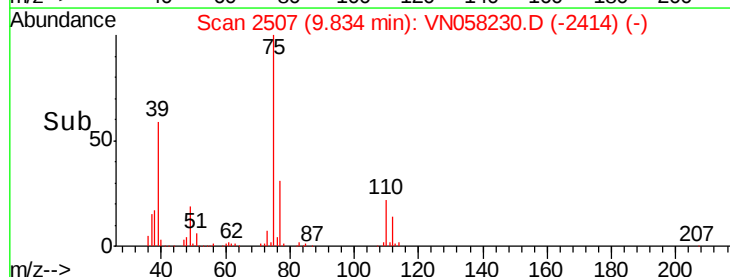
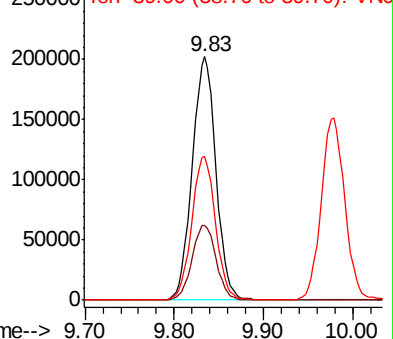
39 59.0 45.0 67.6

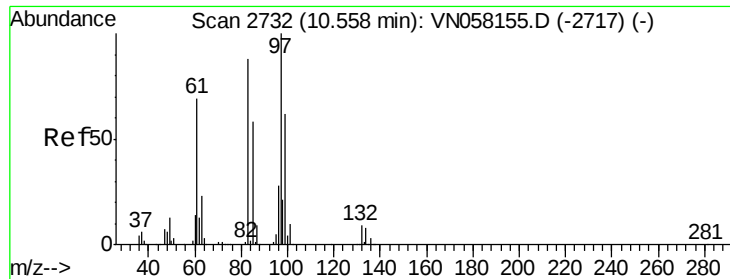


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

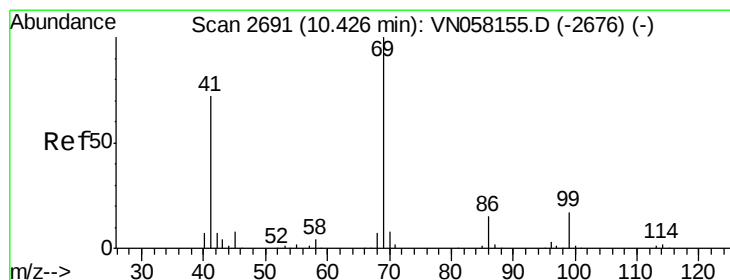
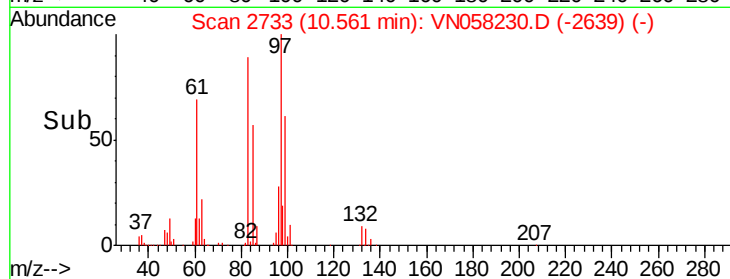
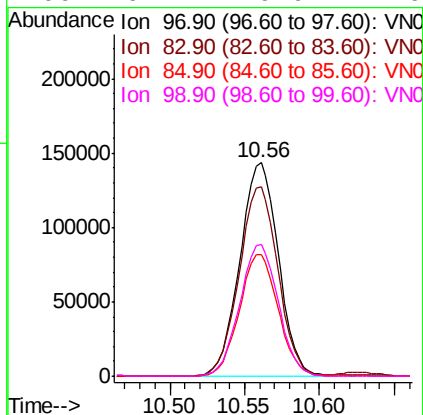
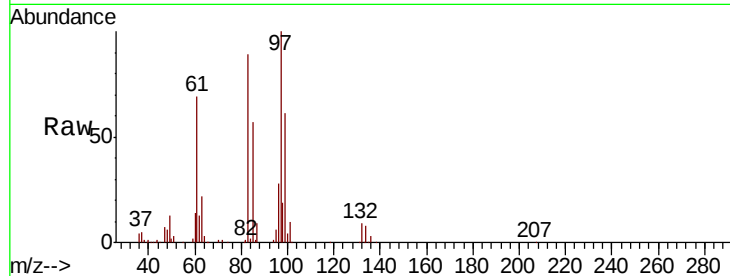




#55
 1,1,2-Trichloroethane
 Concen: 52.400 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

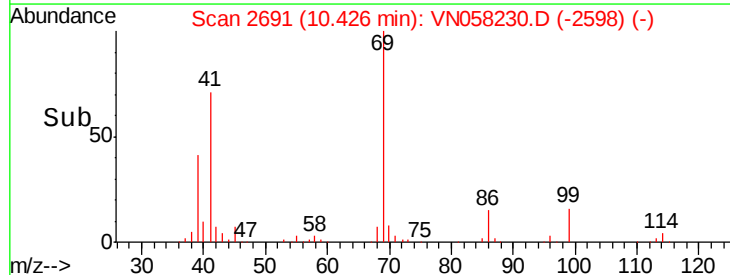
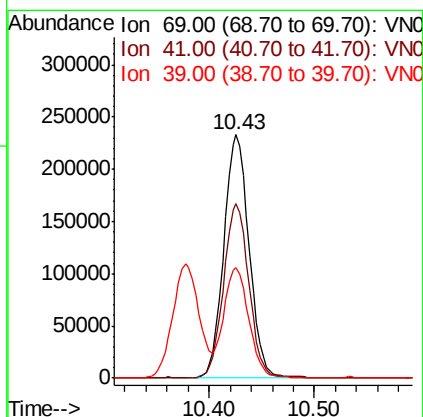
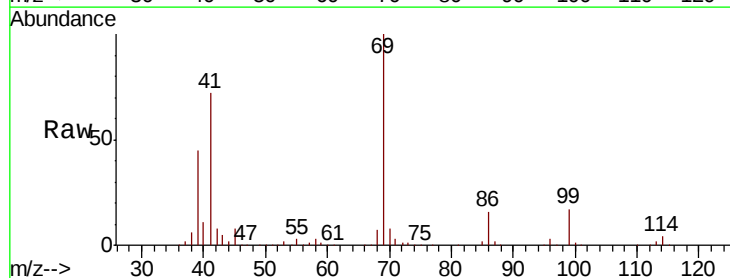
Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

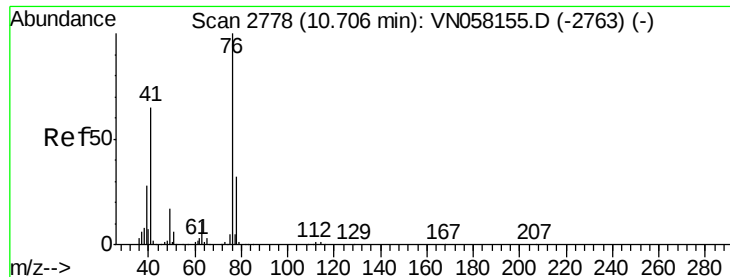
Tot Ion: 97 Resp: 257579
 Ion Ratio Lower Upper
 97 100
 83 88.4 70.4 105.6
 85 57.2 46.8 70.2
 99 61.4 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 54.453 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion: 69 Resp: 386201
 Ion Ratio Lower Upper
 69 100
 41 70.7 57.5 86.3
 39 44.8 36.1 54.1





#57

1,3-Dichloropropane

Concen: 51.686 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

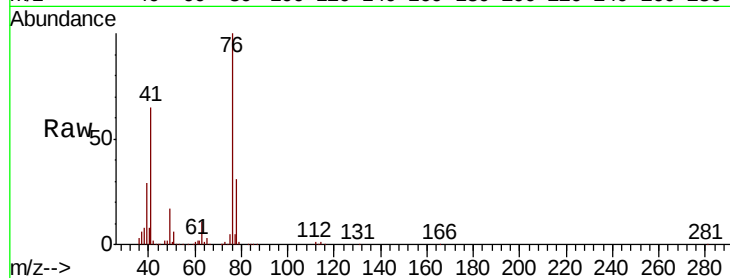
RE123D1-20190912MS

Tot Ion: 76 Resp: 436773

Ion Ratio Lower Upper

76 100

78 31.3 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

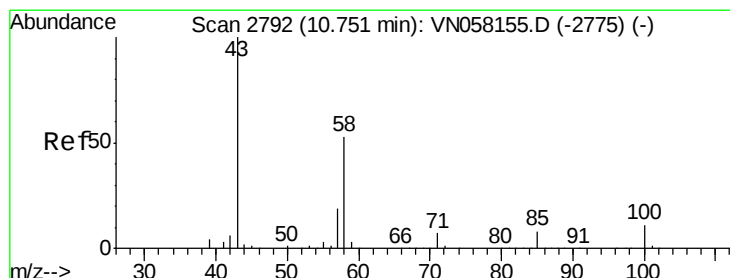
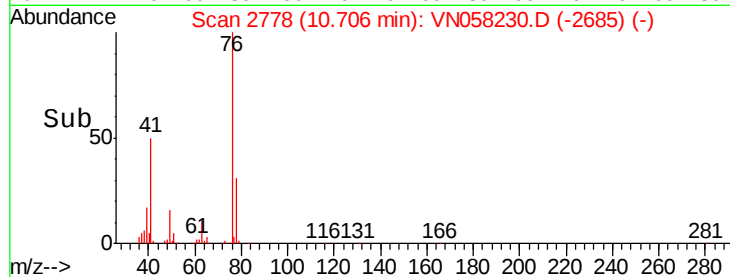
150000

100000

50000

0

Time--> 10.60 10.65 10.70 10.75



#59

2-Hexanone

Concen: 280.872 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058230.D

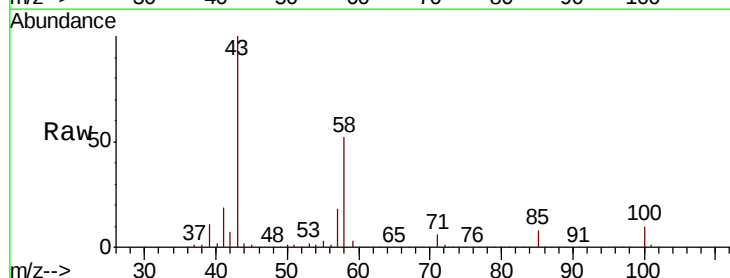
Acq: 20 Sep 2019 1:09

Tgt Ion: 43 Resp: 1242673

Ion Ratio Lower Upper

43 100

58 51.4 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

800000

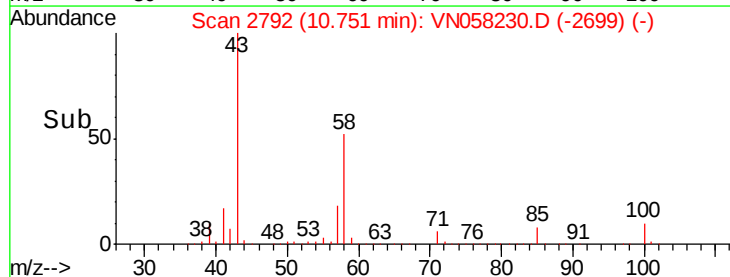
600000

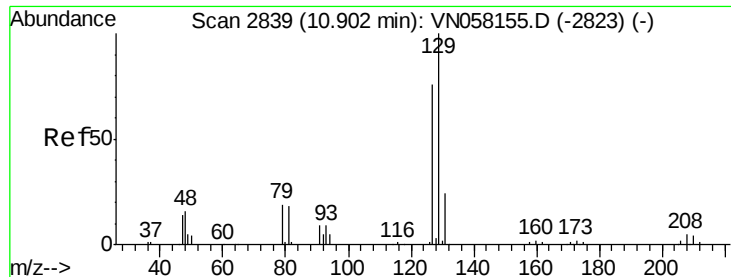
400000

200000

0

Time--> 10.70 10.80

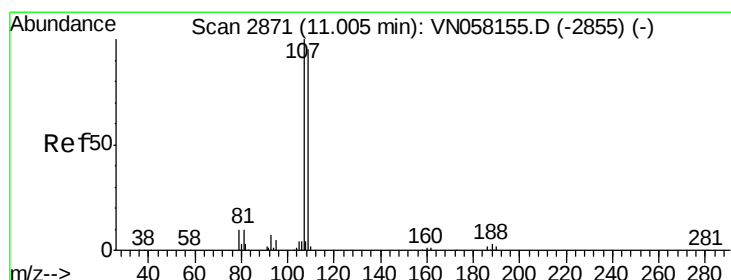
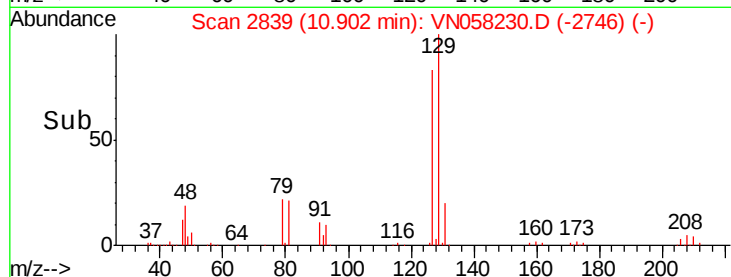
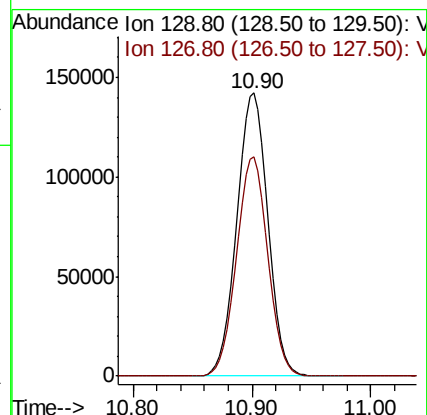
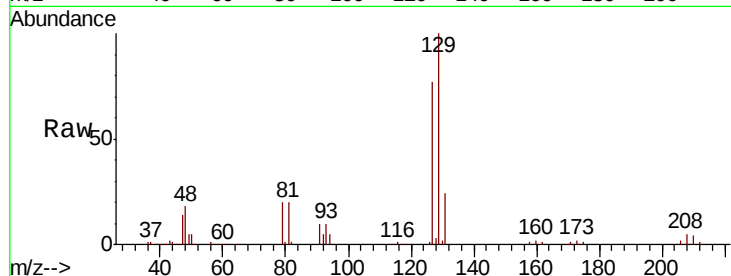




#60
 Dibromochloromethane
 Concen: 54.380 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

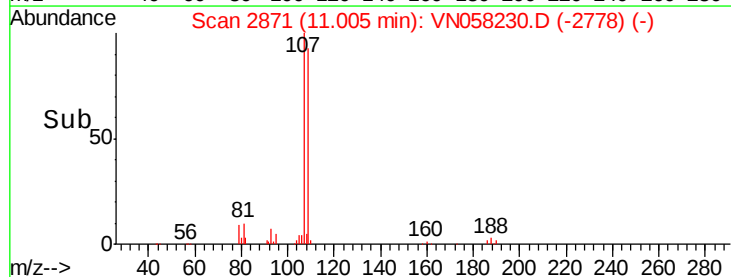
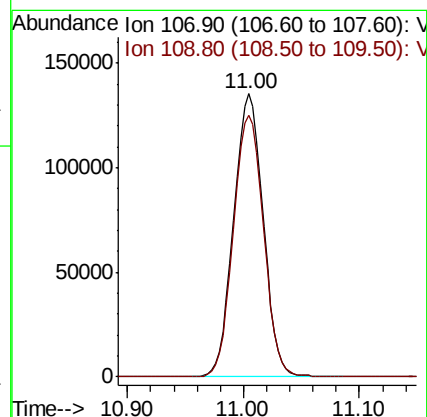
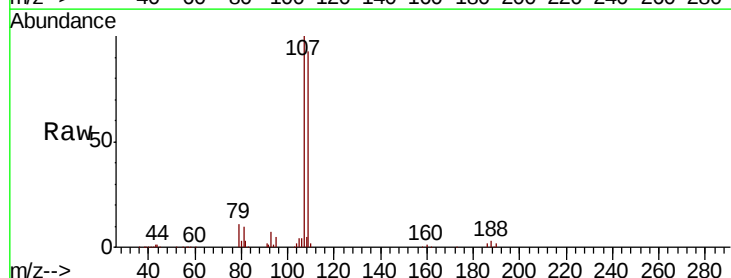
Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

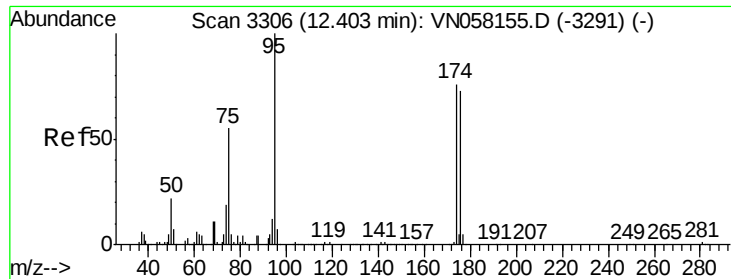
Tot Ion:129 Resp: 257165
 Ion Ratio Lower Upper
 129 100
 127 78.0 38.7 116.1



#61
 1,2-Dibromoethane
 Concen: 52.195 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion:107 Resp: 237773
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.2





#62

4-Bromofluorobenzene

Concen: 52.768 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

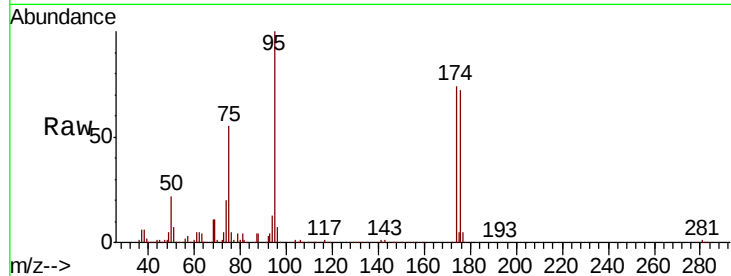
Tot Ion: 95 Resp: 372542

Ion Ratio Lower Upper

95 100

174 75.2 0.0 152.2

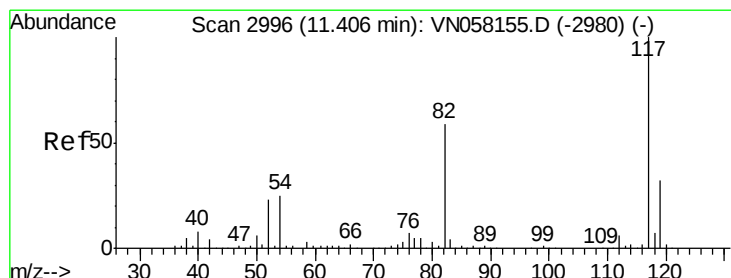
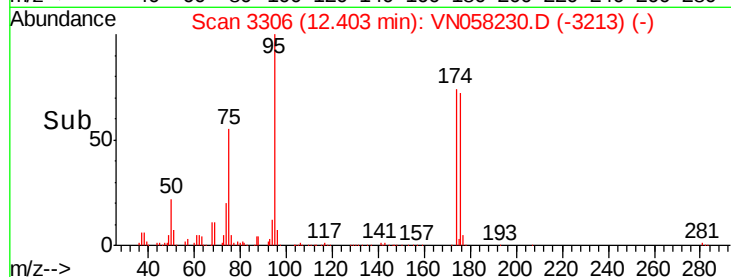
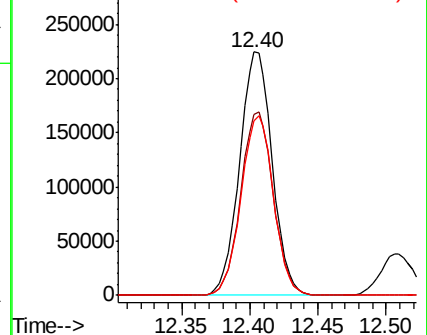
176 73.5 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058230.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN058230.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN058230.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

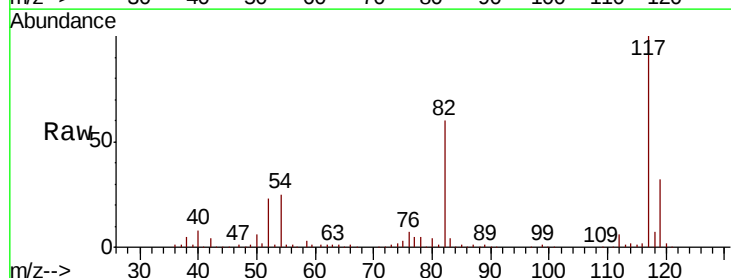
Tgt Ion: 117 Resp: 733790

Ion Ratio Lower Upper

117 100

82 59.7 46.9 70.3

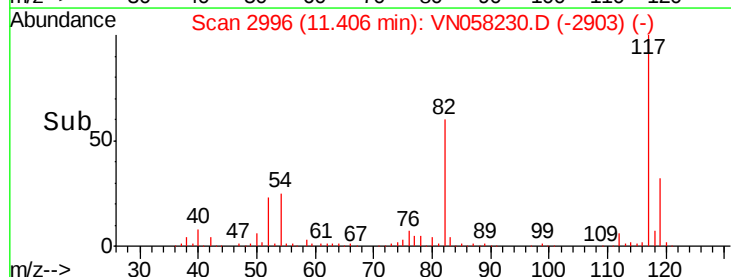
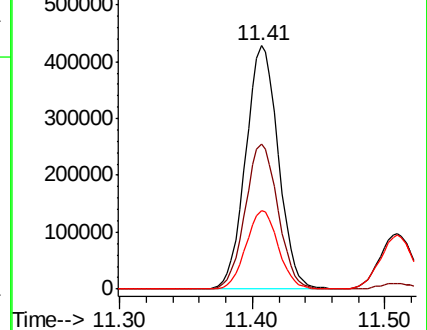
119 32.1 25.3 37.9

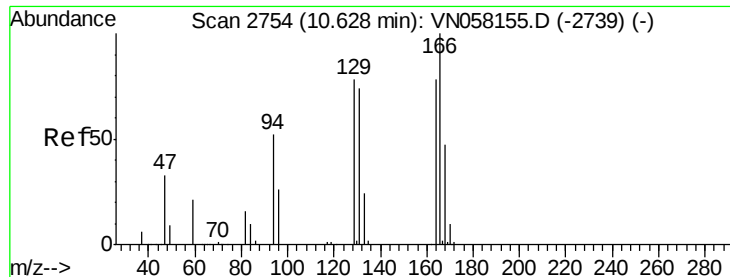


Abundance Ion 116.90 (116.60 to 117.60): VN058230.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058230.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058230.D (-2903) (-)

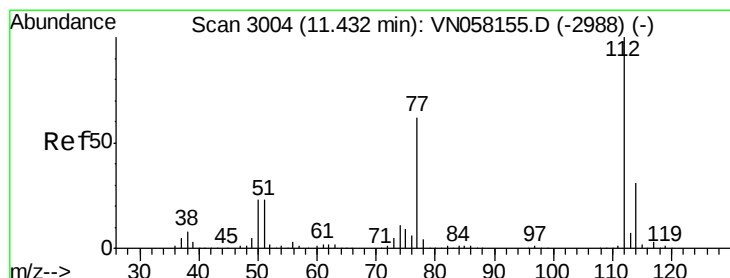
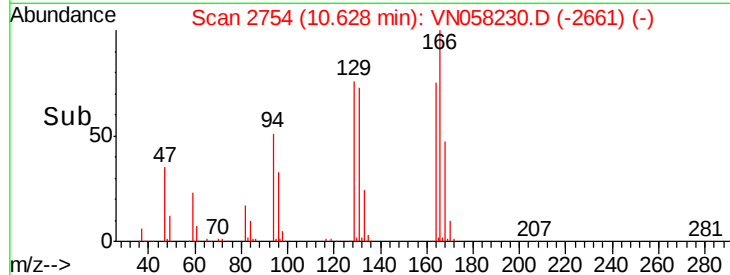
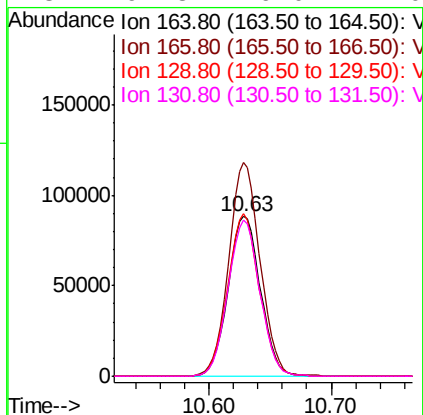
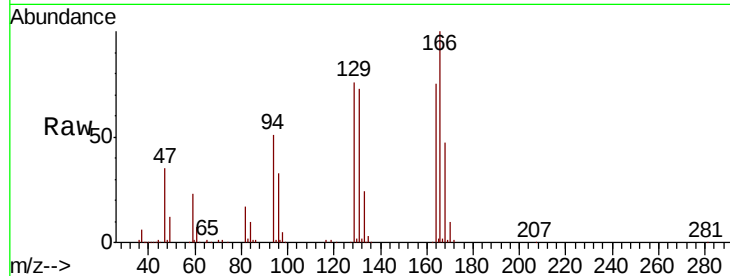




#64
Tetrachloroethene
Concen: 45.590 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

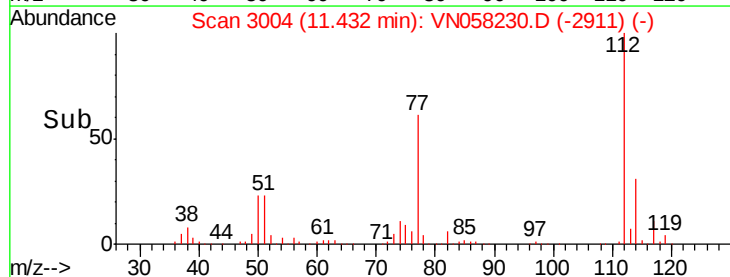
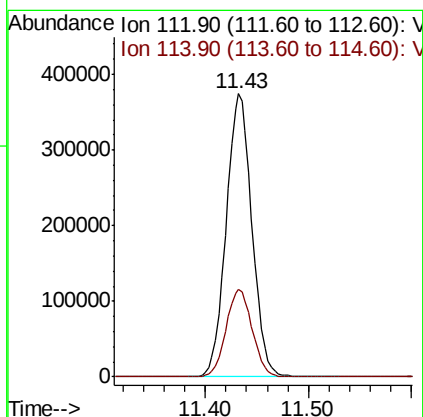
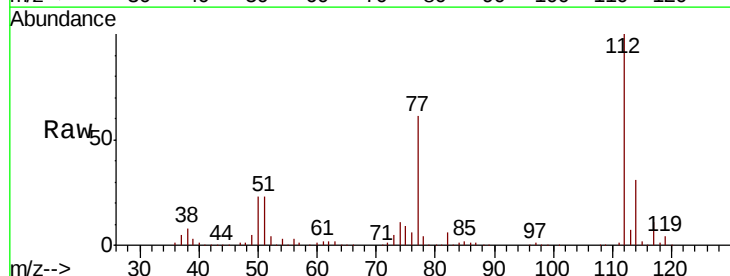
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

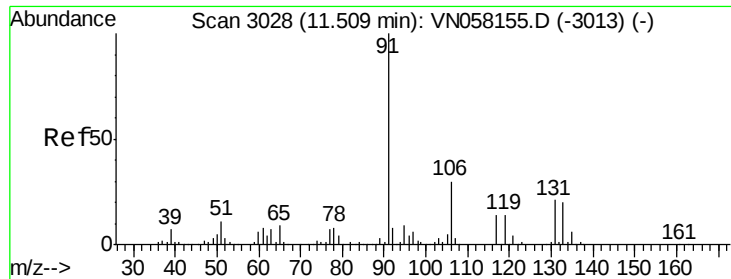
Tot Ion:164 Resp: 163076
Ion Ratio Lower Upper
164 100
166 133.6 102.2 153.4
129 101.7 79.6 119.4
131 97.8 76.0 114.0



#65
Chlorobenzene
Concen: 50.197 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion:112 Resp: 647879
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 53.817 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

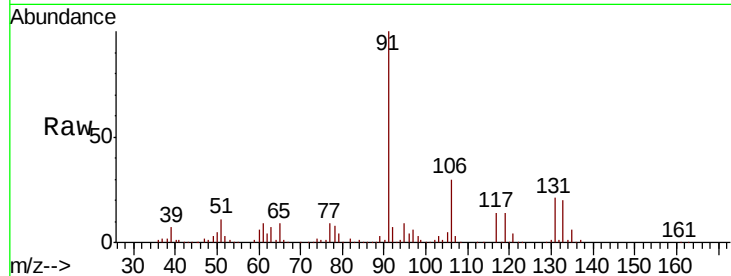
Tot Ion:131 Resp: 251867

Ion Ratio Lower Upper

131 100

133 94.5 47.8 143.3

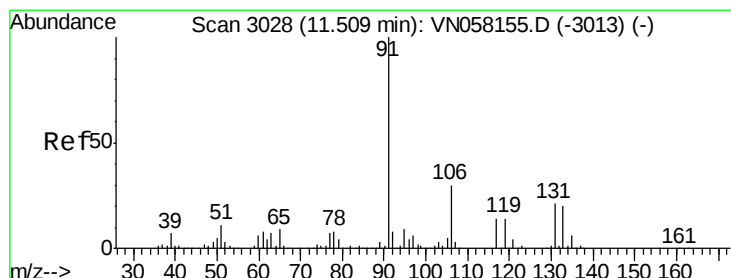
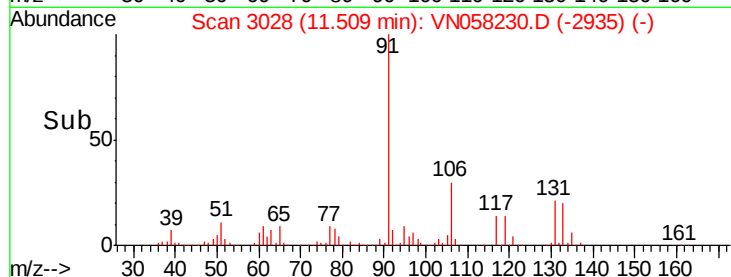
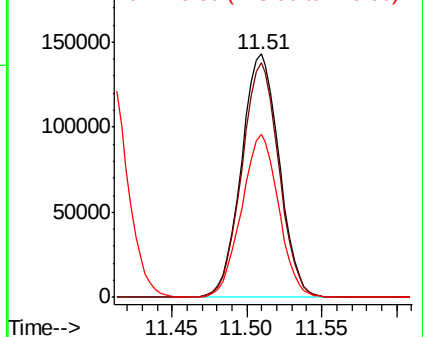
119 65.8 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 52.343 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058230.D

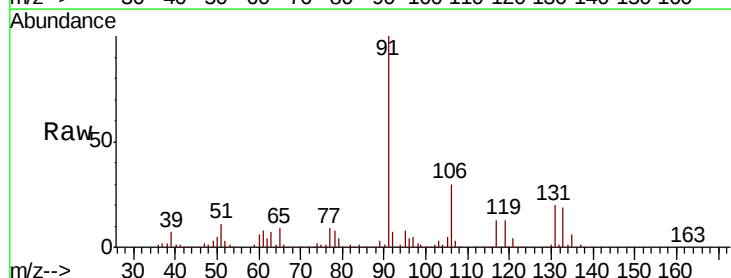
Acq: 20 Sep 2019 1:09

Tgt Ion: 91 Resp: 1157603

Ion Ratio Lower Upper

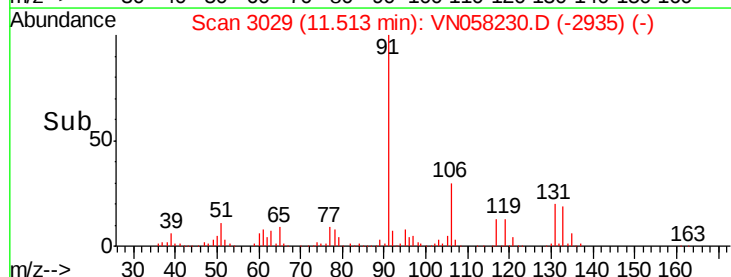
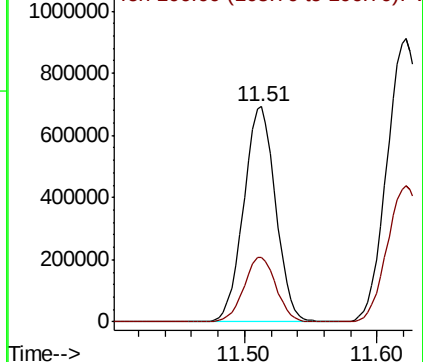
91 100

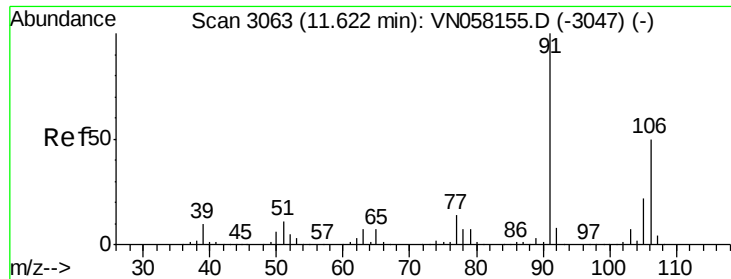
106 30.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

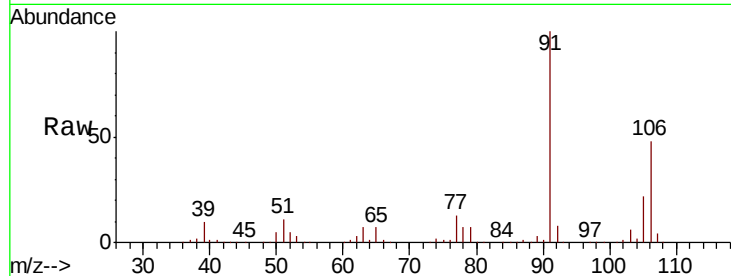




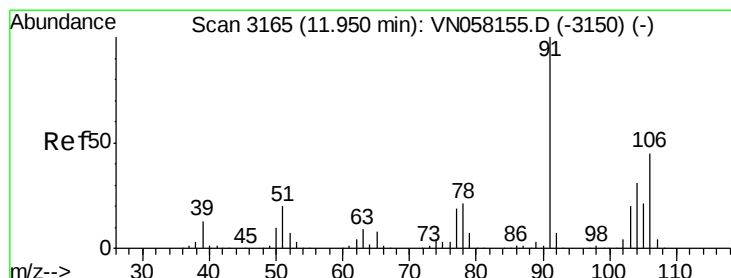
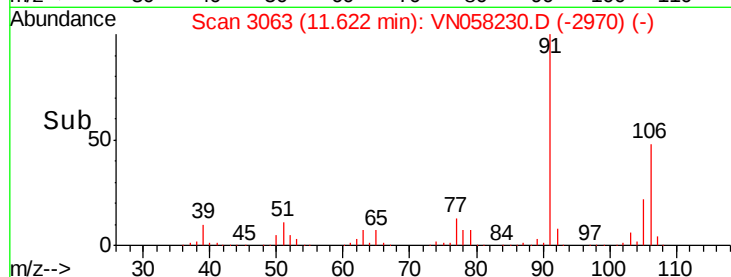
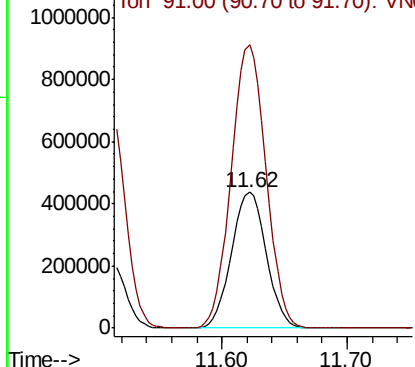
#68
m/p-Xylenes
Concen: 101.176 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

Tot Ion:106 Resp: 842744
Ion Ratio Lower Upper
106 100
91 208.5 163.6 245.4

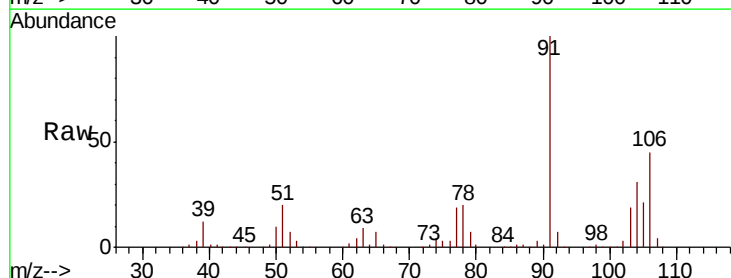


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

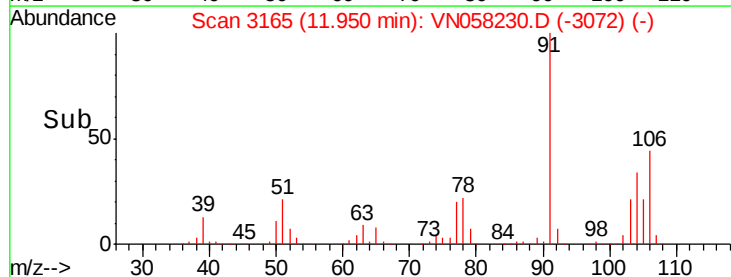
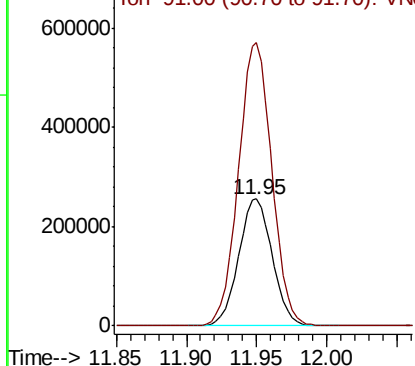


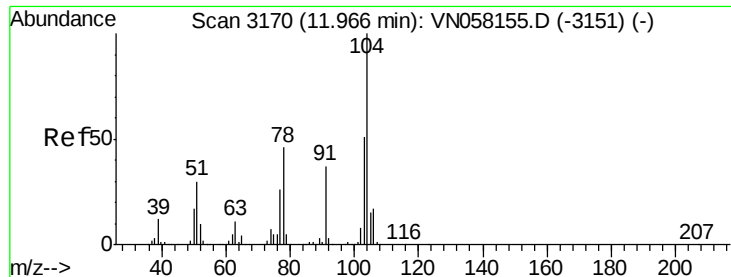
#69
o-Xylene
Concen: 52.031 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion:106 Resp: 426147
Ion Ratio Lower Upper
106 100
91 221.5 111.8 335.3



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





#70

Stvrene

Concen: 53.521 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

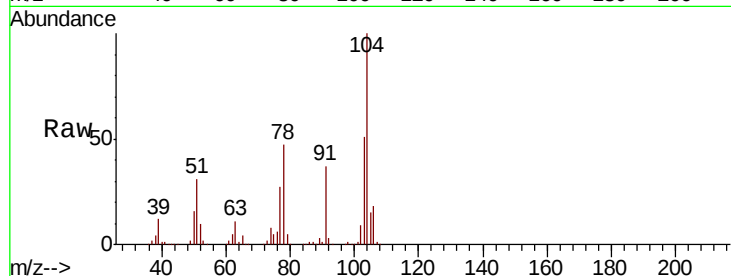
Tot Ion:104 Resp: 755274

Ion Ratio Lower Upper

104 100

78 52.5 41.8 62.8

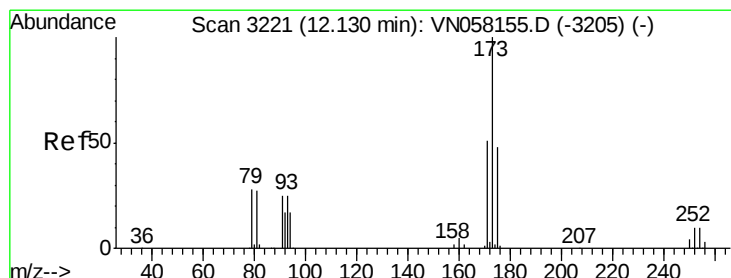
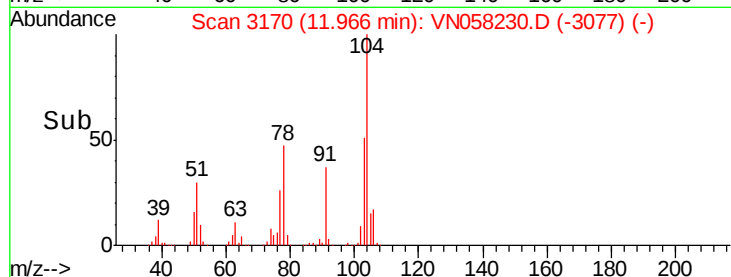
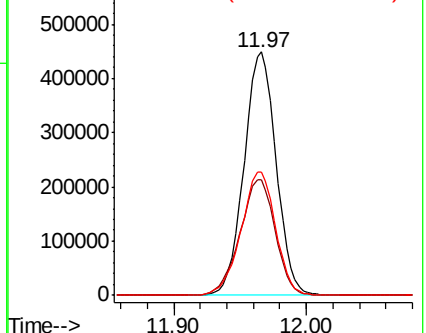
103 54.4 44.2 66.2



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: 47.924 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

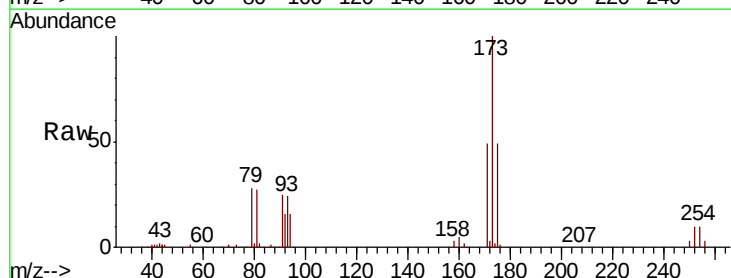
Tgt Ion:173 Resp: 165728

Ion Ratio Lower Upper

173 100

175 48.2 24.2 72.6

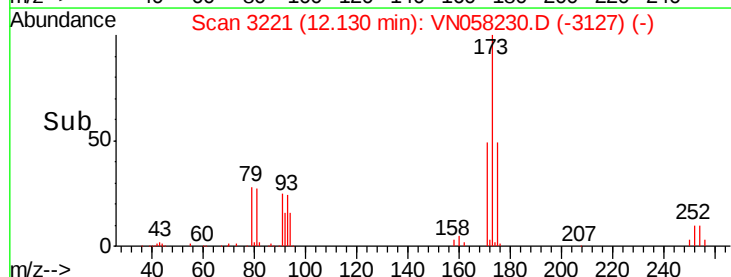
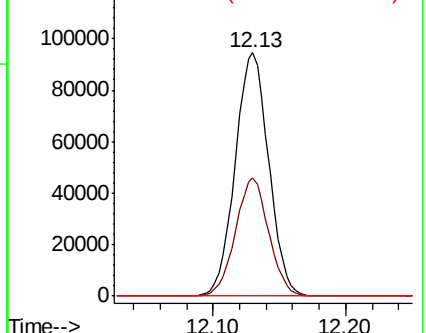
254 0.0 0.1 0.1#

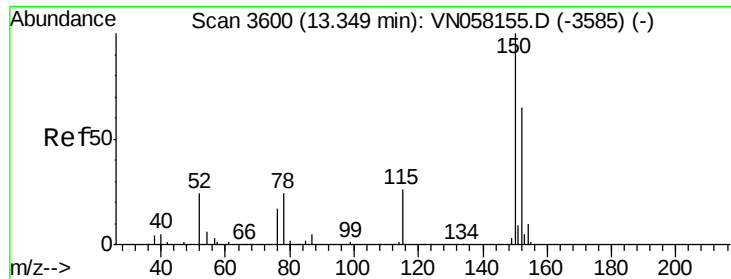


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

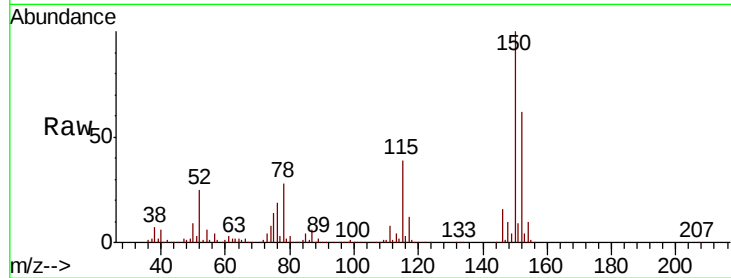
Tot Ion:152 Resp: 365462

Ion Ratio Lower Upper

152 100

115 61.4 30.1 90.3

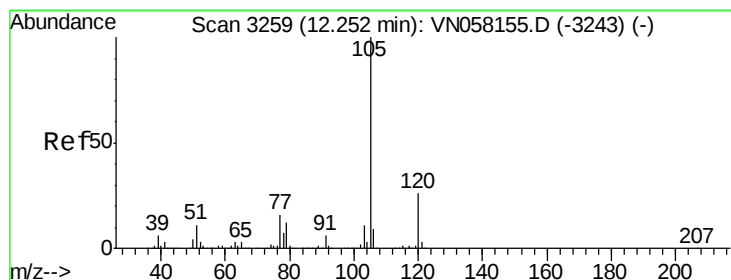
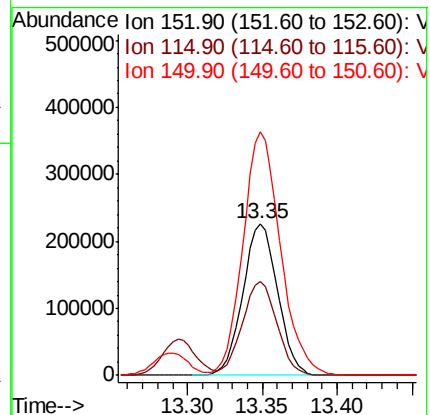
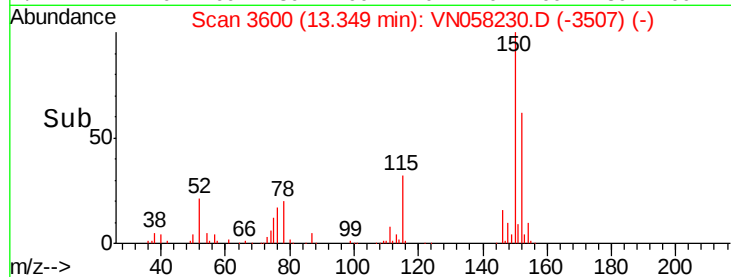
150 173.3 0.0 346.4



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: 52.683 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058230.D

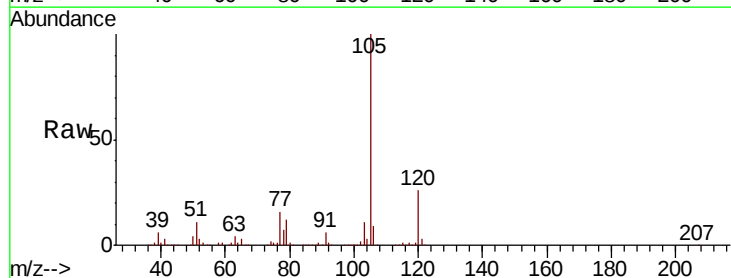
Acq: 20 Sep 2019 1:09

Tgt Ion:105 Resp: 1205146

Ion Ratio Lower Upper

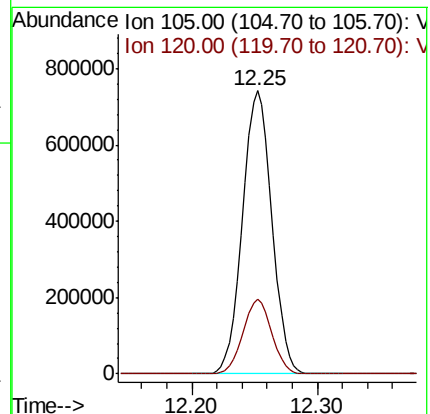
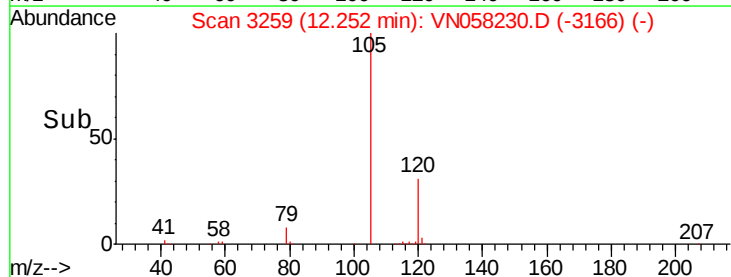
105 100

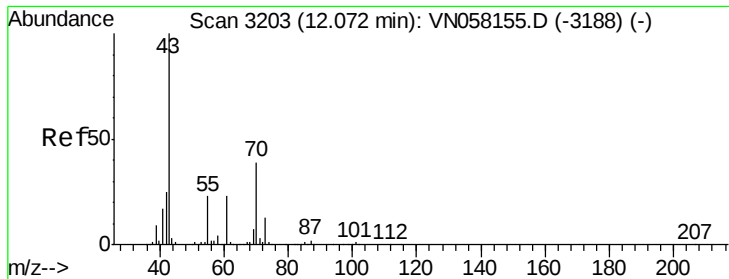
120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 50.019 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

Tot Ion: 43 Resp: 478668

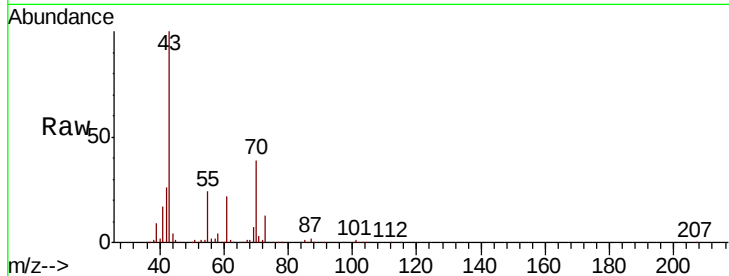
Ion Ratio Lower Upper

43 100

70 38.5 31.0 46.6

55 24.2 18.5 27.7

61 22.2 18.2 27.2

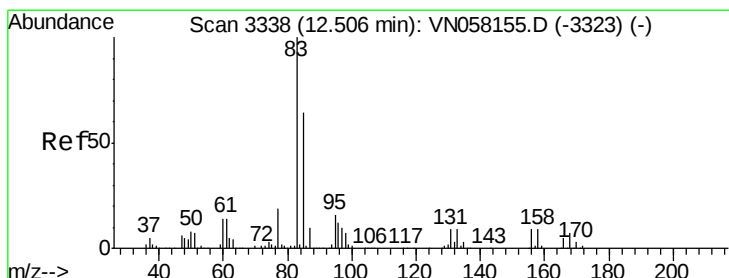
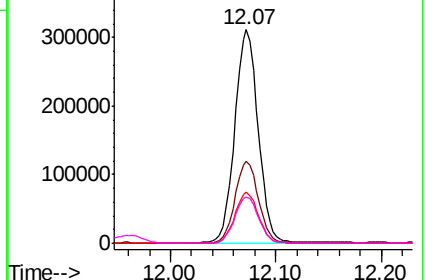
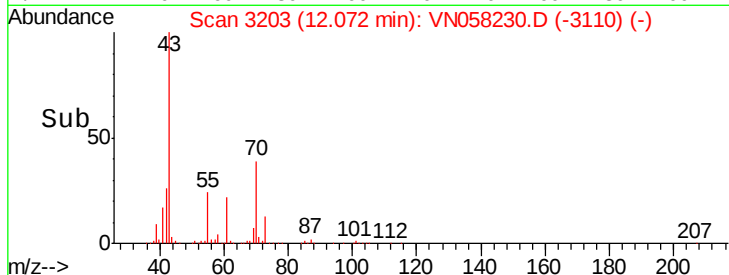


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 52.162 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

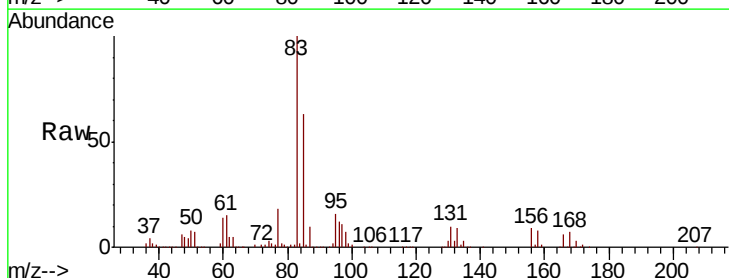
Tgt Ion: 83 Resp: 399582

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

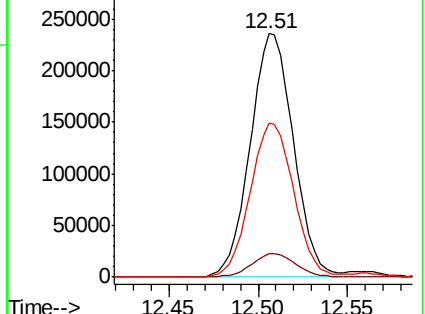
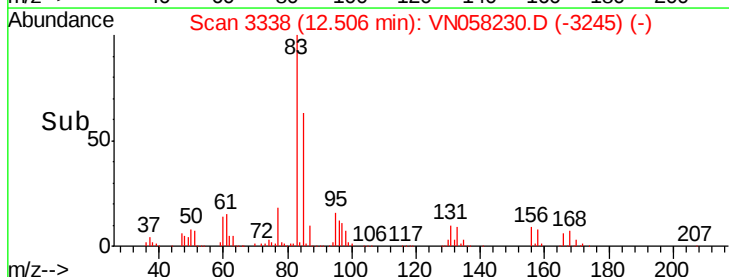
85 63.6 31.9 95.5

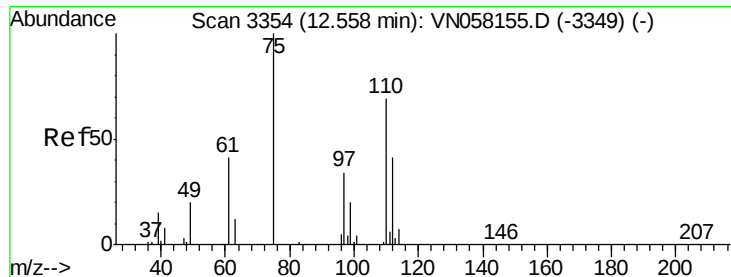


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 71.327 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

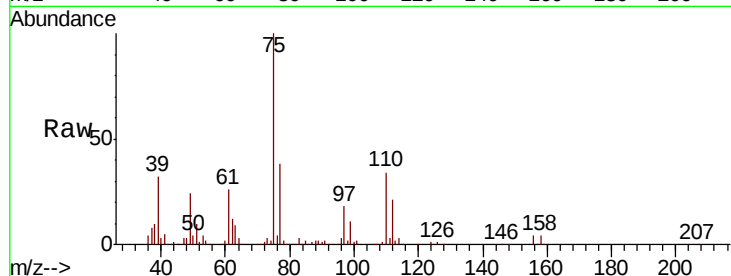
RE123D1-20190912MS

Tot Ion: 75 Resp: 466520

Ion Ratio Lower Upper

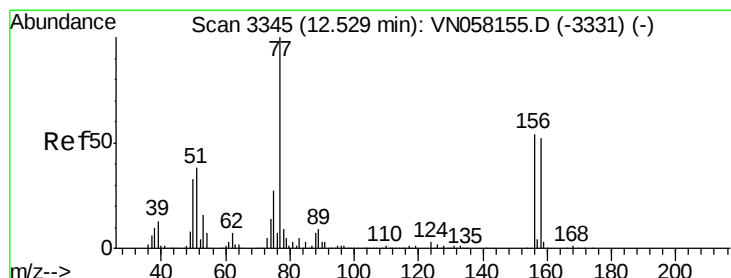
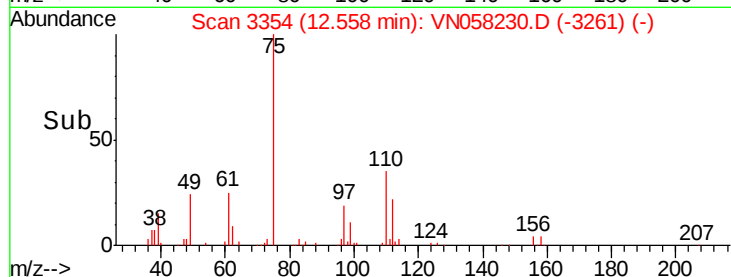
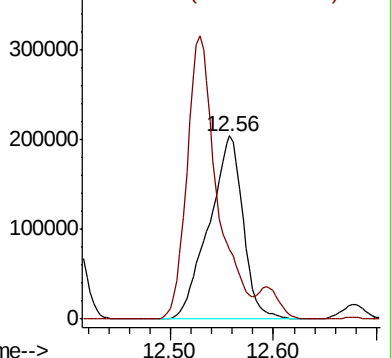
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058155.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3349) (-)



#77

Bromobenzene

Concen: 49.997 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

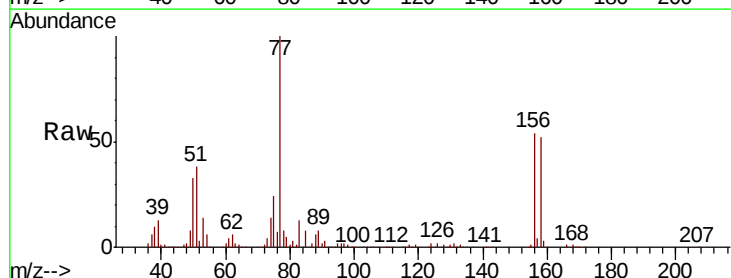
Tgt Ion: 156 Resp: 287689

Ion Ratio Lower Upper

156 100

77 222.4 111.7 335.1

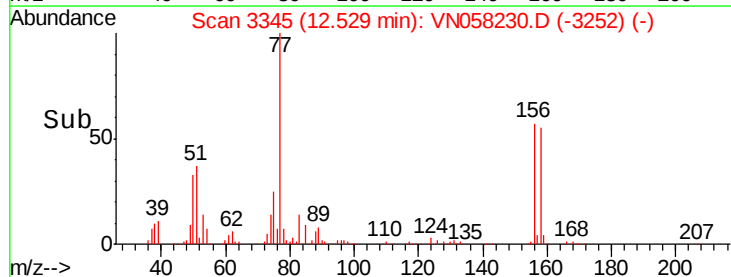
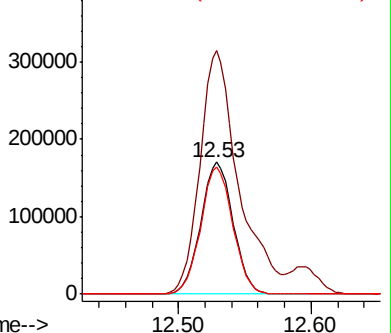
158 95.9 47.9 143.8

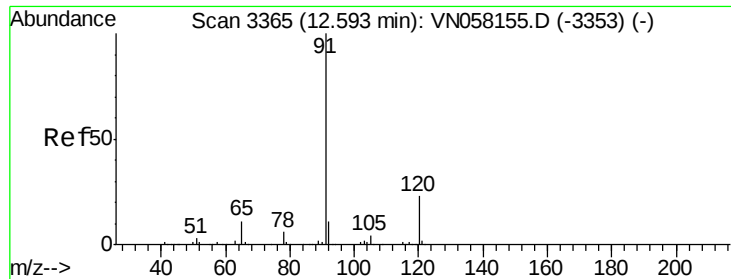


Abundance Ion 155.80 (155.50 to 156.50): VN058155.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3331) (-)

Ion 157.80 (157.50 to 158.50): VN058155.D (-3331) (-)





#78

n-propylbenzene

Concen: 53.890 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

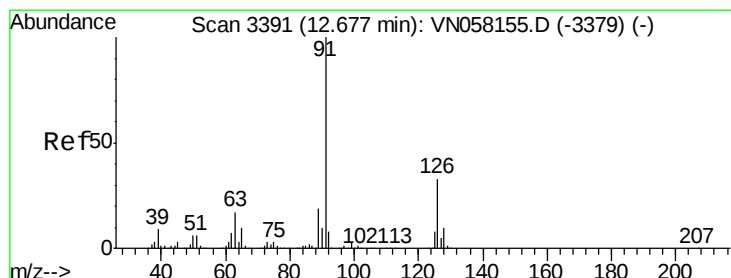
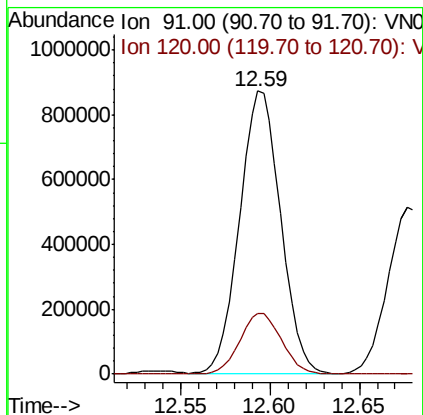
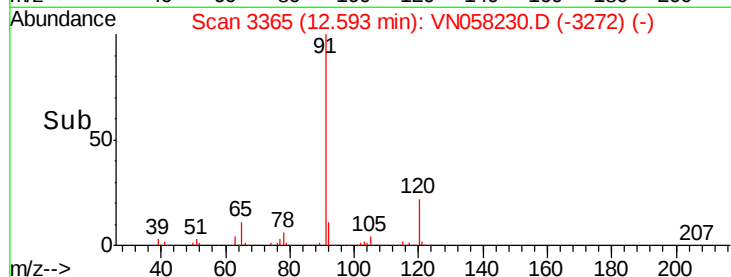
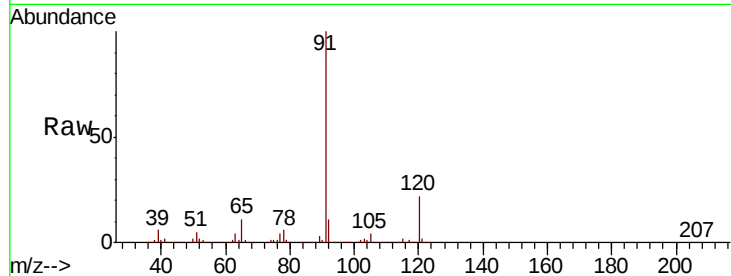
RE123D1-20190912MS

Tot Ion: 91 Resp: 1400855

Ion Ratio Lower Upper

91 100

120 21.9 11.1 33.3



#79

2-Chlorotoluene

Concen: 52.271 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058230.D

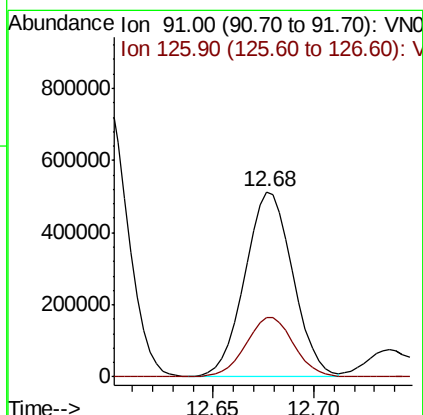
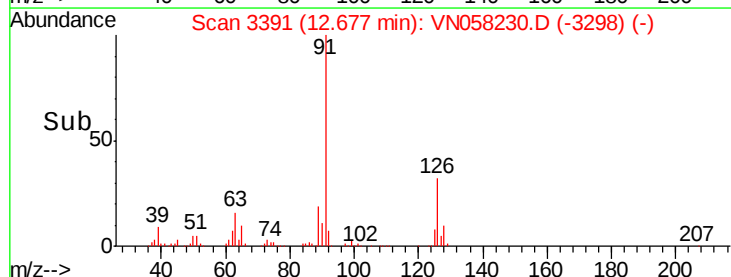
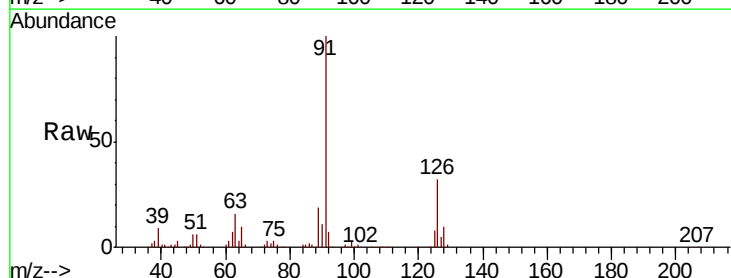
Acq: 20 Sep 2019 1:09

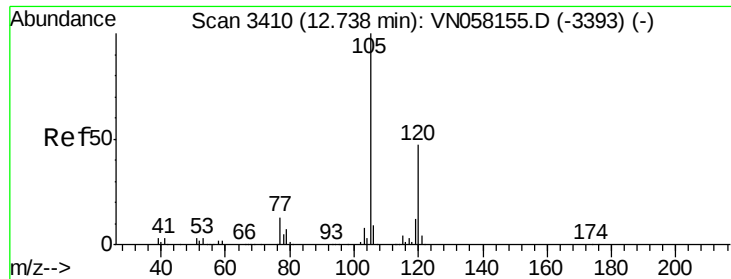
Tgt Ion: 91 Resp: 849188

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.1

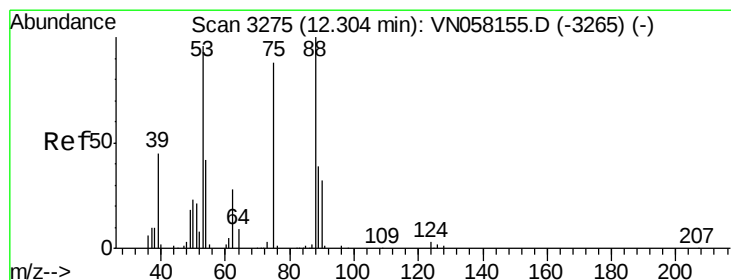
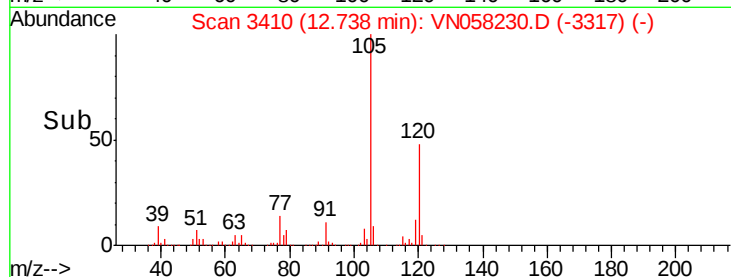
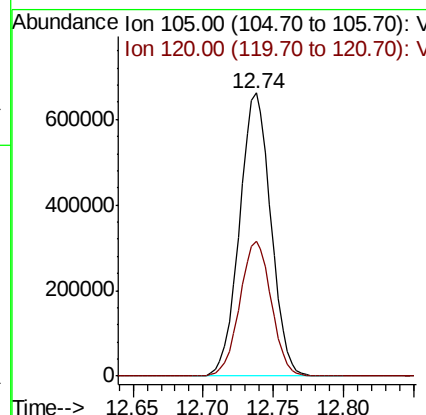
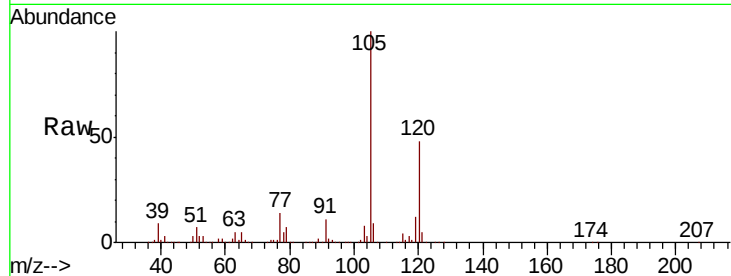




#80
 1,3,5-Trimethylbenzene
 Concen: 53.149 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

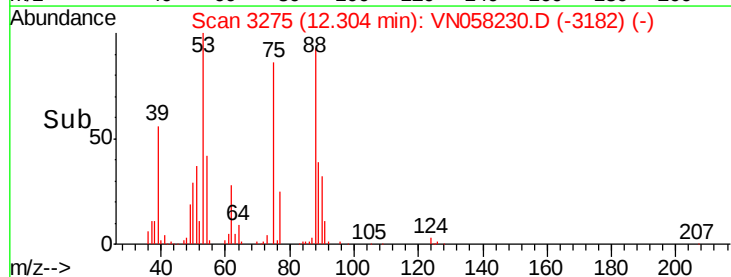
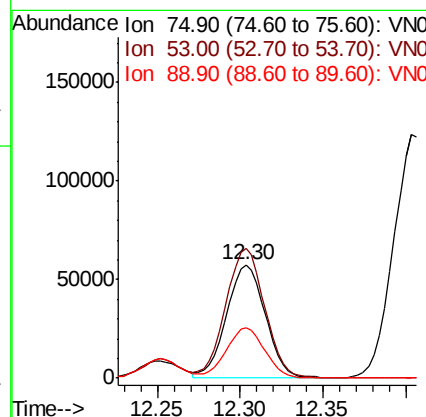
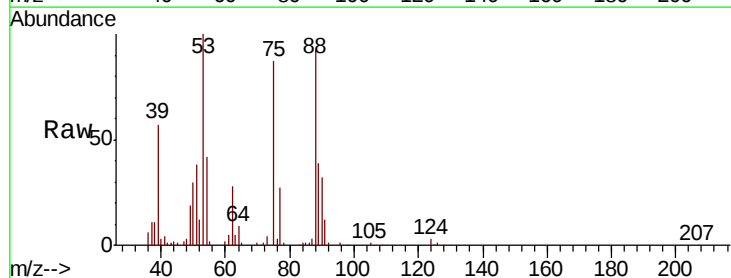
Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

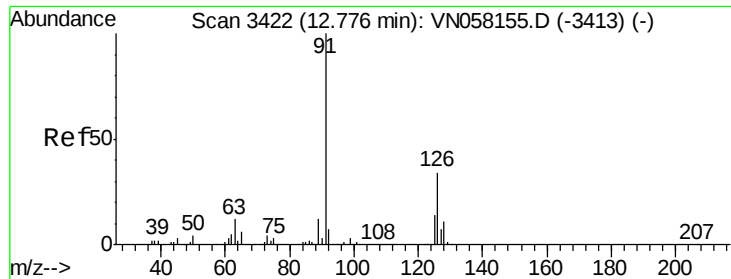
Tot Ion:105 Resp: 1028115
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.694 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion: 75 Resp: 94210
 Ion Ratio Lower Upper
 75 100
 53 115.2 90.1 135.1
 89 44.2 36.2 54.2

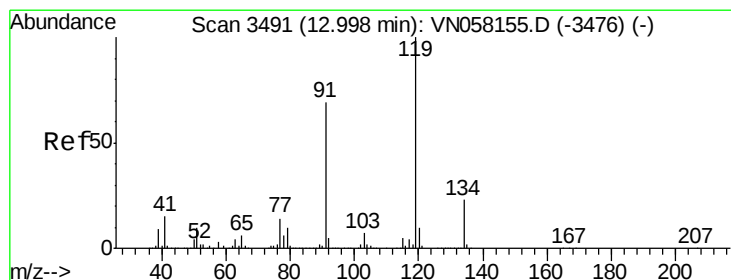
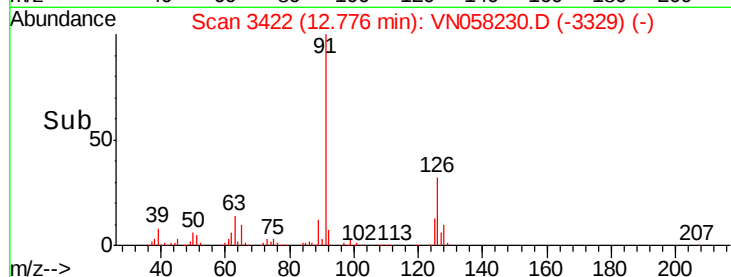
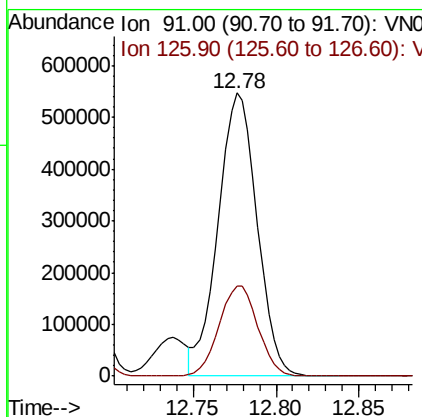
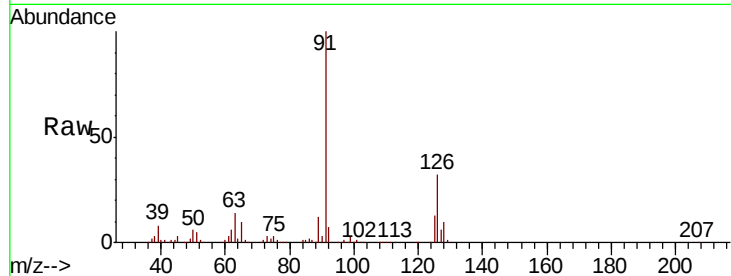




#82
4-Chlorotoluene
Concen: 52.196 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

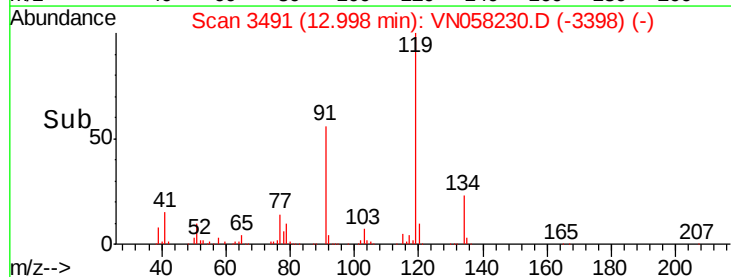
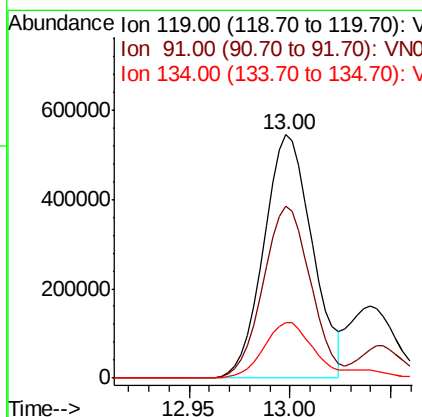
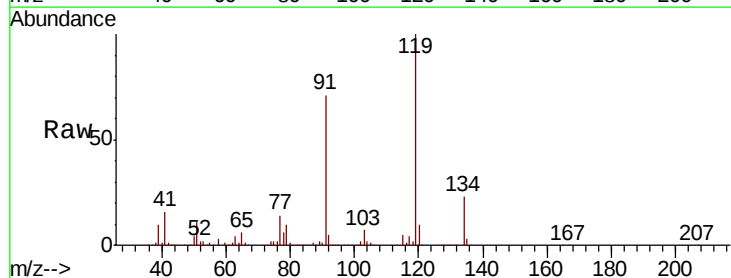
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

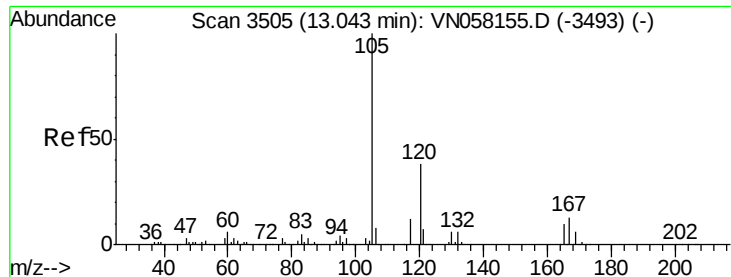
Tot Ion: 91 Resp: 891357
Ion Ratio Lower Upper
91 100
126 32.0 15.7 47.1



#83
tert-Butylbenzene
Concen: 52.823 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058230.D
Acq: 20 Sep 2019 1:09

Tgt Ion: 119 Resp: 911235
Ion Ratio Lower Upper
119 100
91 69.3 33.8 101.3
134 25.8 11.6 34.8

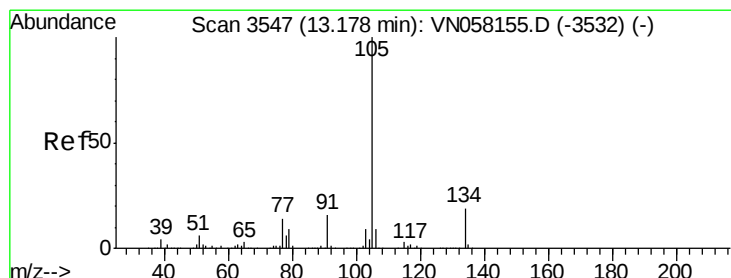
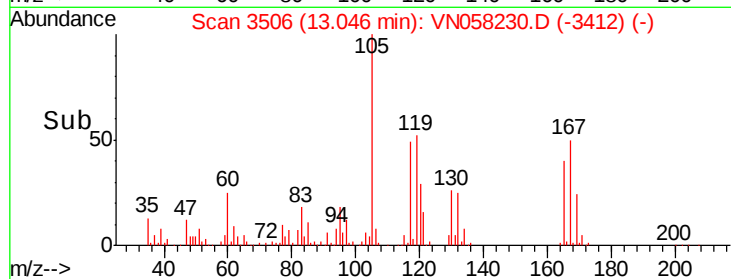
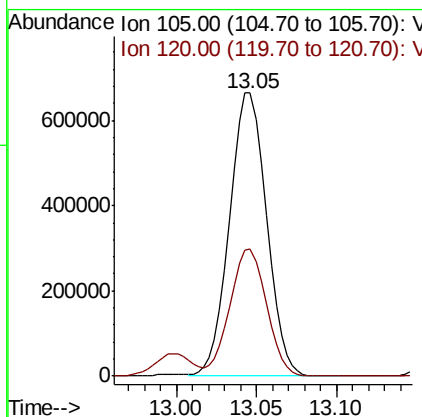
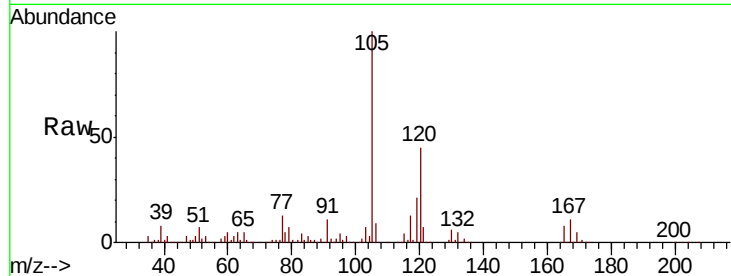




#84
 1,2,4-Trimethylbenzene
 Concen: 54.397 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

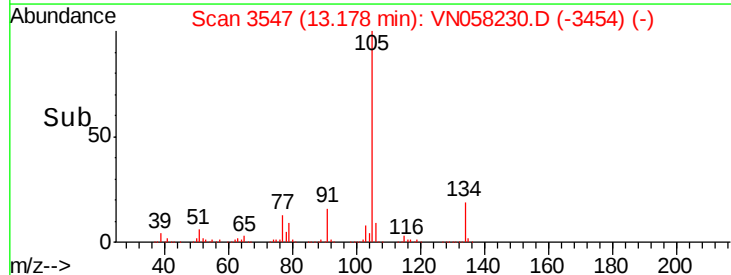
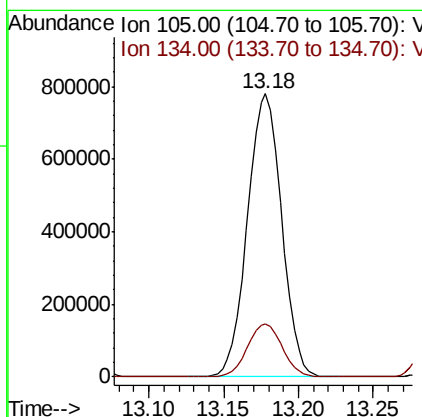
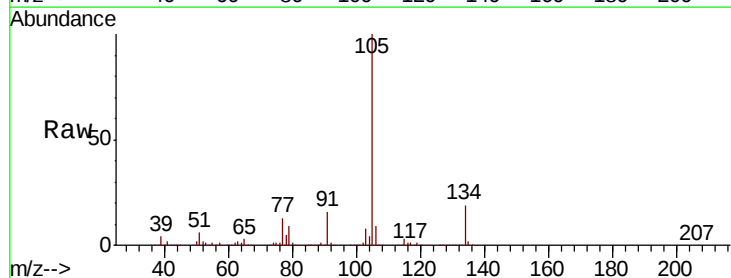
Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

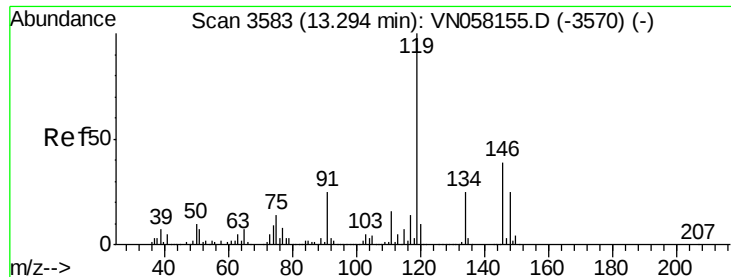
Tot Ion:105 Resp: 1047165
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 54.926 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion:105 Resp: 1239024
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.5 28.5

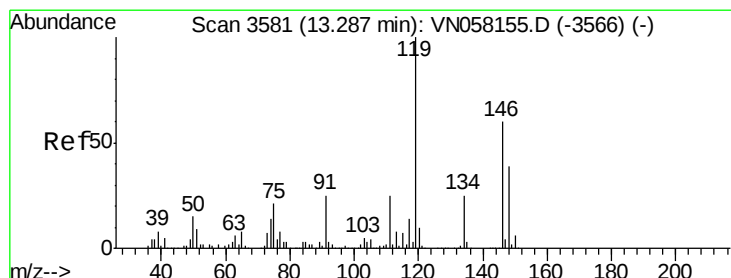
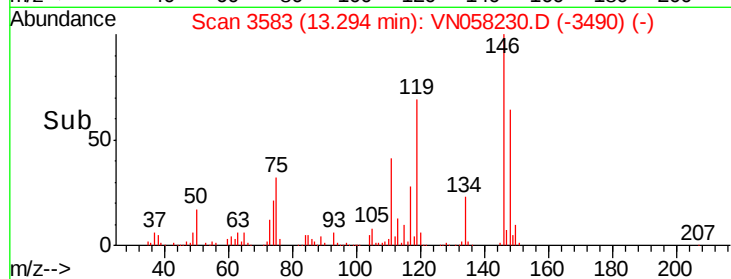
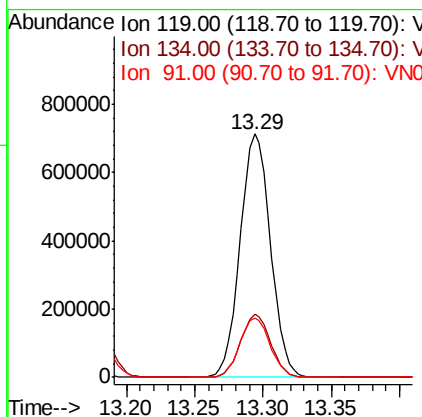
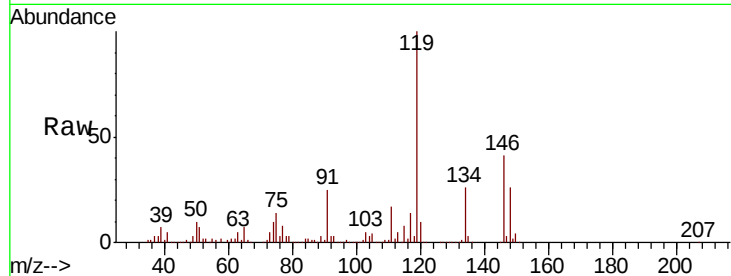




#86
 p-Isopropyltoluene
 Concen: 54.753 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

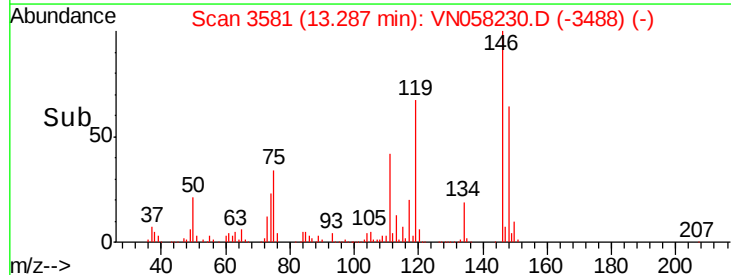
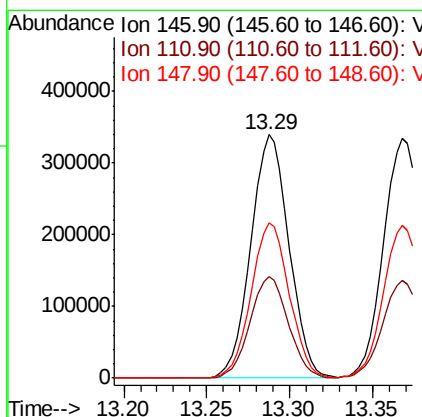
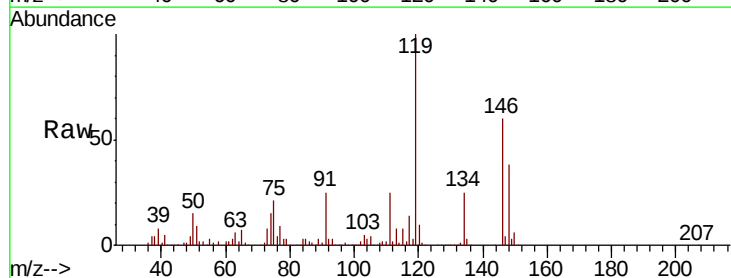
Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

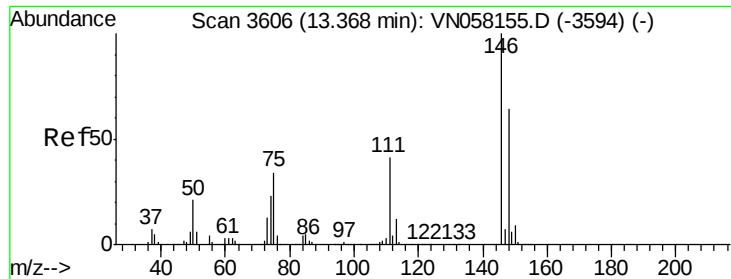
Tot Ion:119 Resp: 1098041
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.0
 91 24.6 12.3 36.8



#87
 1,3-Dichlorobenzene
 Concen: 51.755 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion:146 Resp: 543941
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.9 62.8
 148 63.6 32.0 96.2

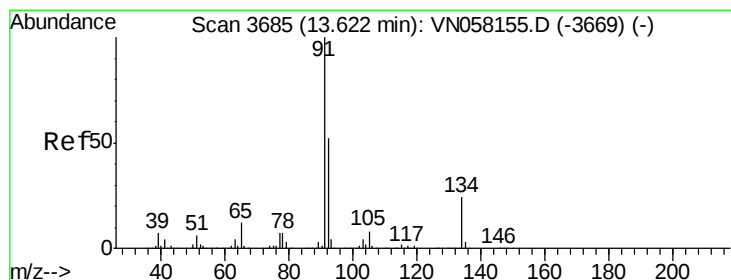
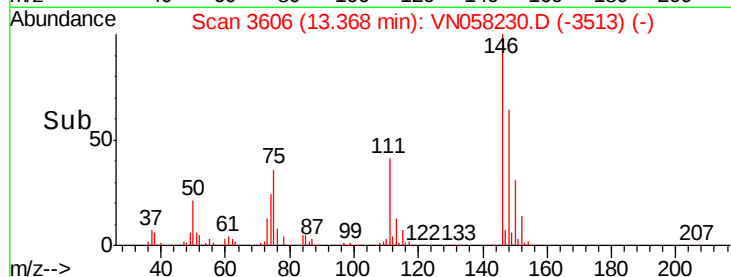
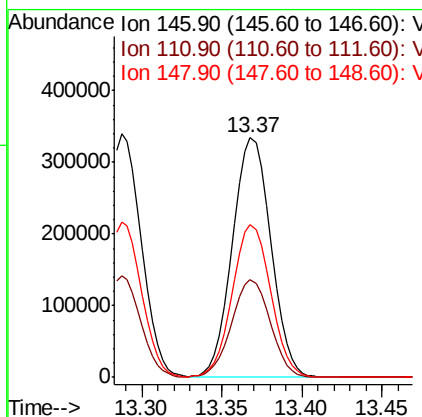
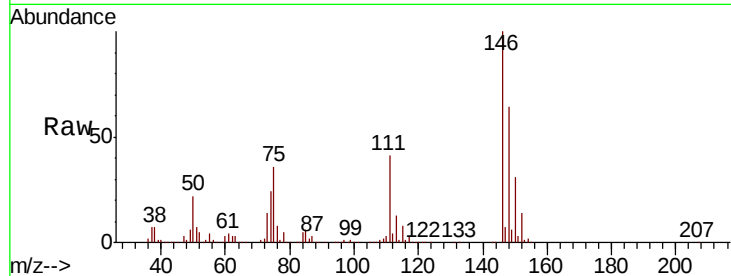




#88
 1,4-Dichlorobenzene
 Concen: 51.065 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

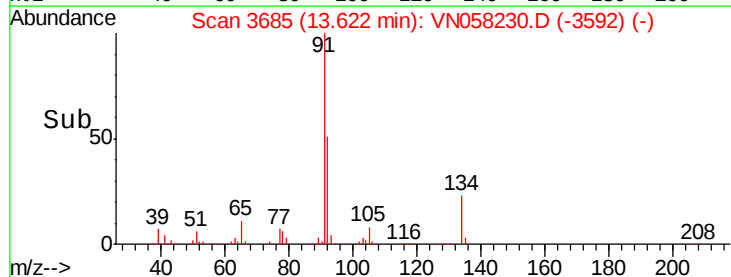
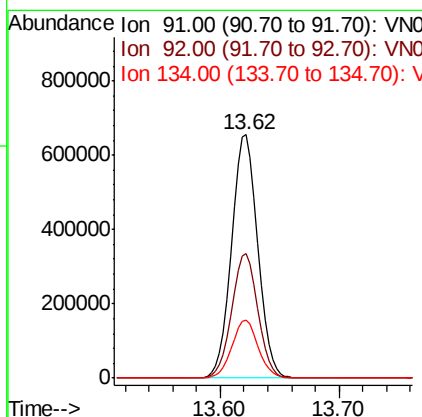
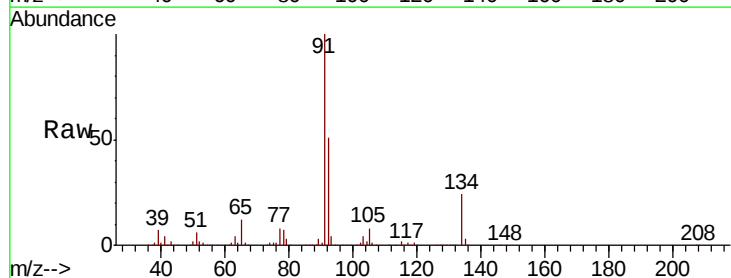
Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

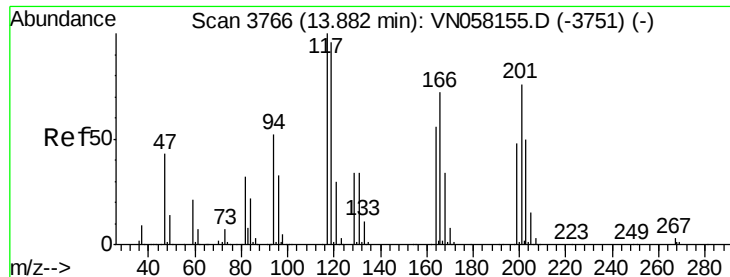
Tot Ion:146 Resp: 547913
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.5 61.5
 148 63.5 31.9 95.5



#89
 n-Butylbenzene
 Concen: 52.586 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Tgt Ion: 91 Resp: 999836
 Ion Ratio Lower Upper
 91 100
 92 51.1 25.7 77.0
 134 23.8 11.8 35.4





#90

Hexachloroethane

Concen: 49.511 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

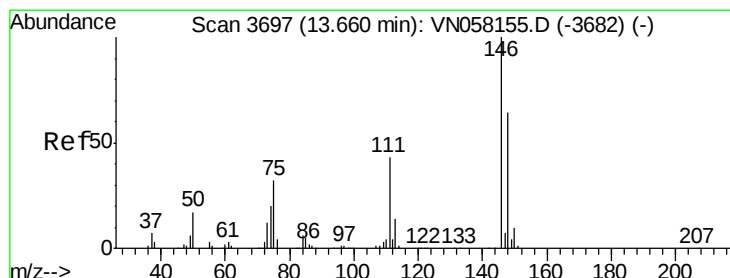
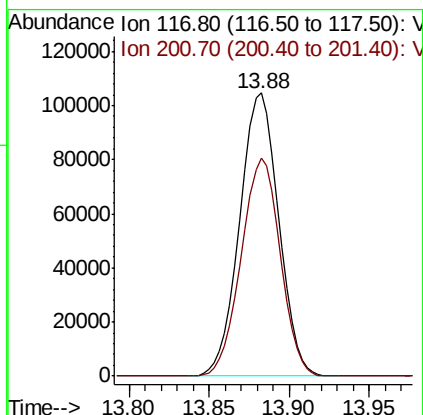
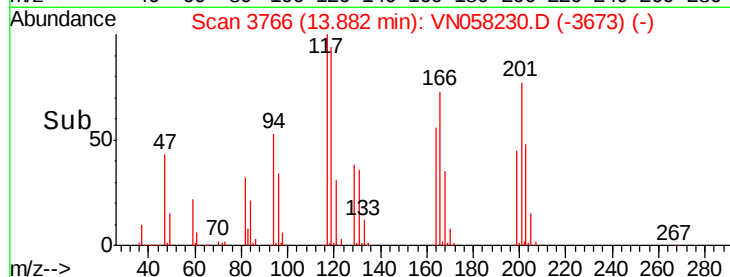
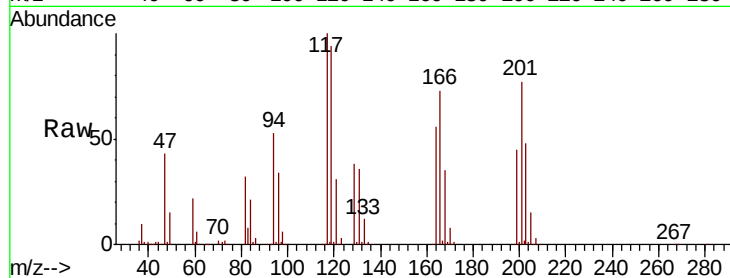
RE123D1-20190912MS

Tot Ion:117 Resp: 174012

Ion Ratio Lower Upper

117 100

201 77.0 37.5 112.5



#91

1,2-Dichlorobenzene

Concen: 52.268 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

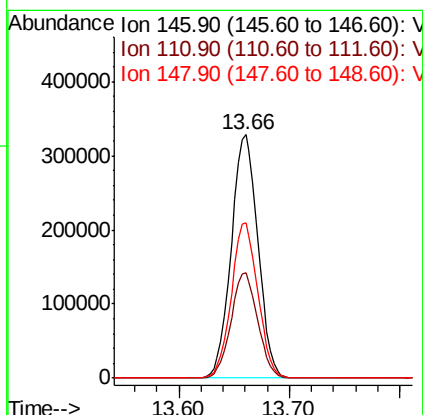
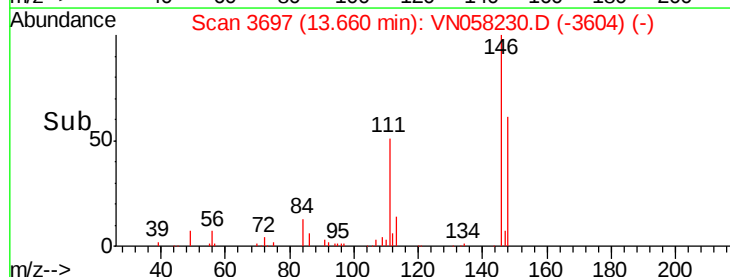
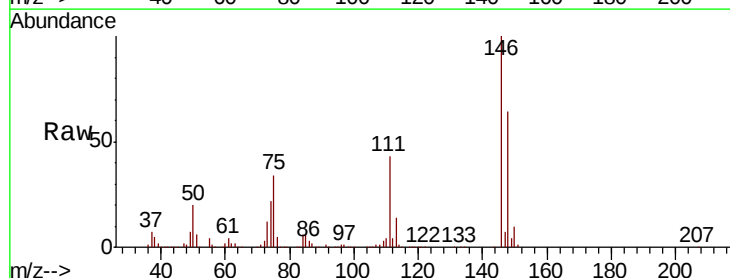
Tgt Ion:146 Resp: 551043

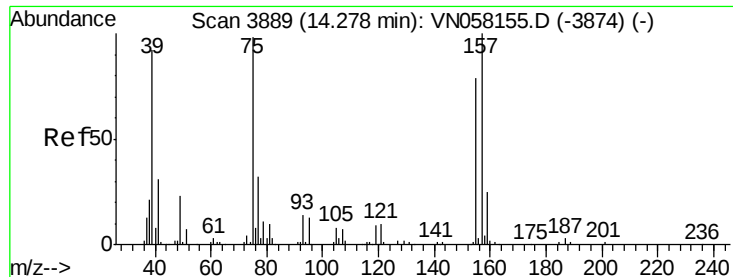
Ion Ratio Lower Upper

146 100

111 43.2 21.1 63.1

148 63.3 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.347 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

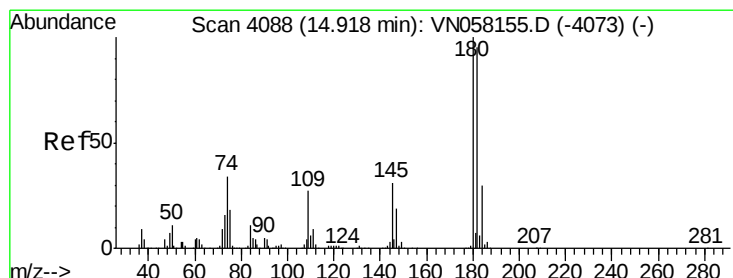
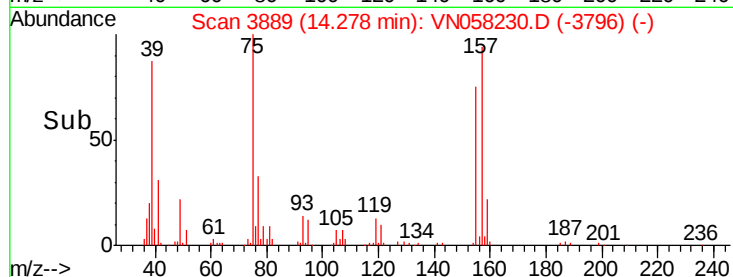
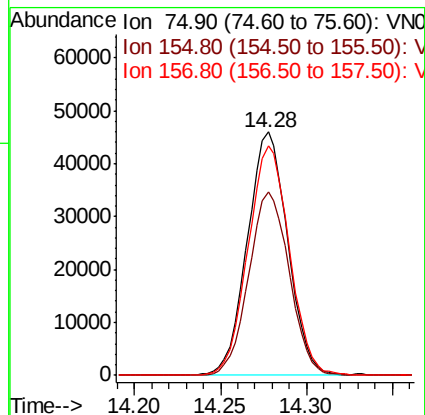
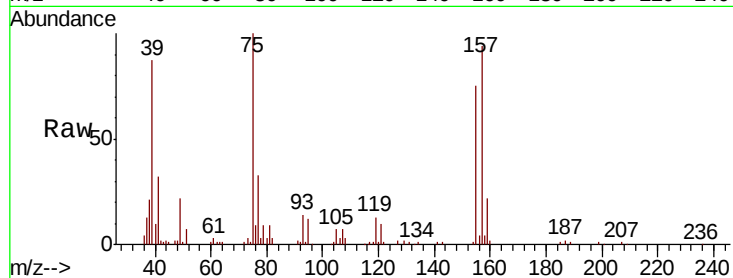
Tot Ion: 75 Resp: 74952

Ion Ratio Lower Upper

75 100

155 75.7 38.3 114.8

157 96.3 48.0 144.0



#93

1,2,4-Trichlorobenzene

Concen: 51.085 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

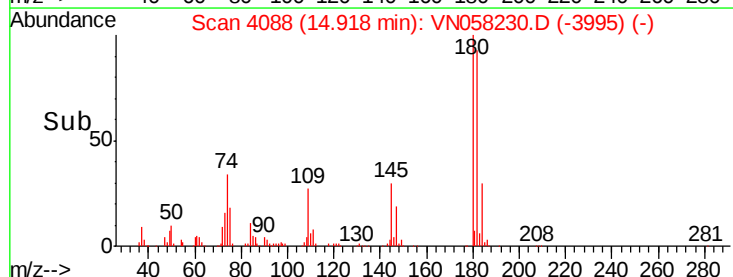
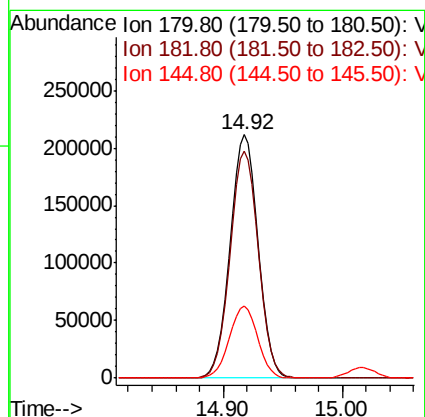
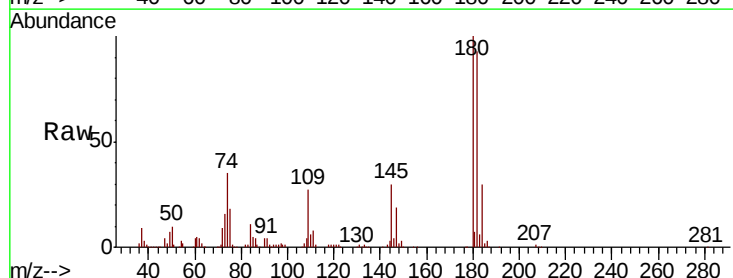
Tgt Ion: 180 Resp: 344106

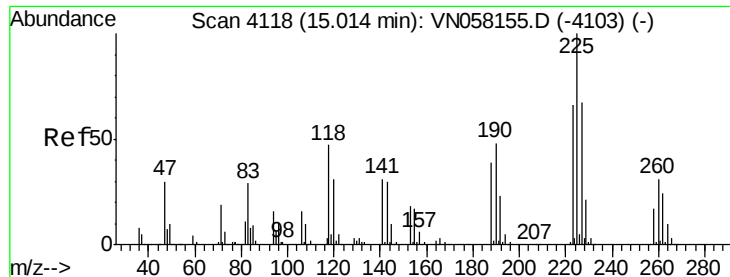
Ion Ratio Lower Upper

180 100

182 94.5 47.8 143.3

145 30.1 15.4 46.4





#94

Hexachlorobutadiene

Concen: 47.484 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190912MS

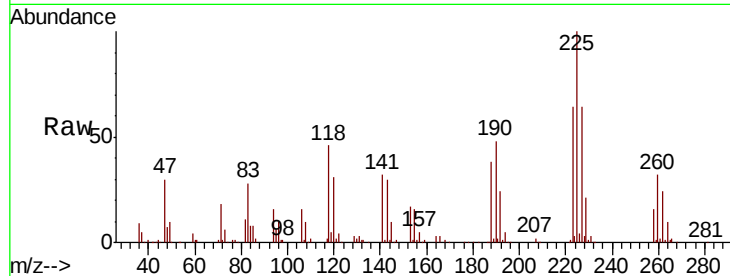
Tot Ion:225 Resp: 154594

Ion Ratio Lower Upper

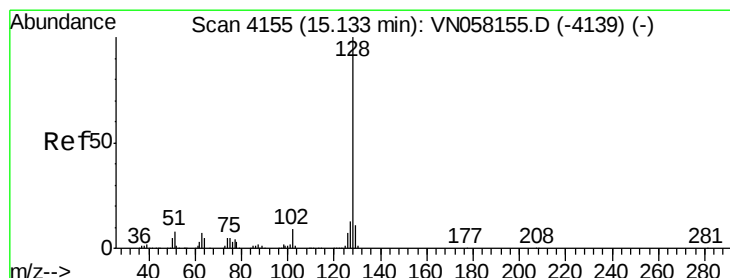
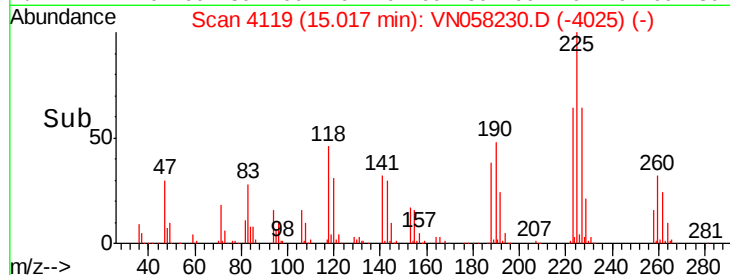
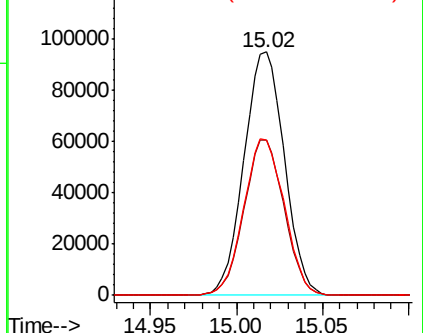
225 100

223 63.3 32.6 97.7

227 64.5 33.0 99.0



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: 53.468 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058230.D

Acq: 20 Sep 2019 1:09

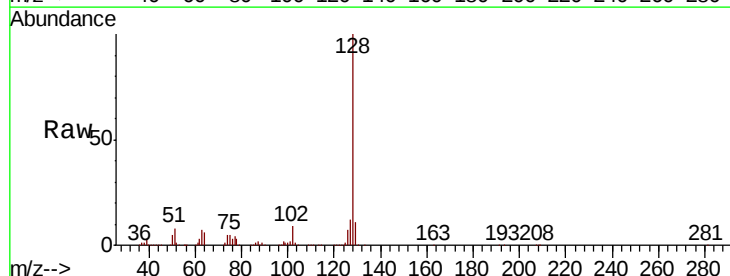
Tgt Ion:128 Resp: 933376

Ion Ratio Lower Upper

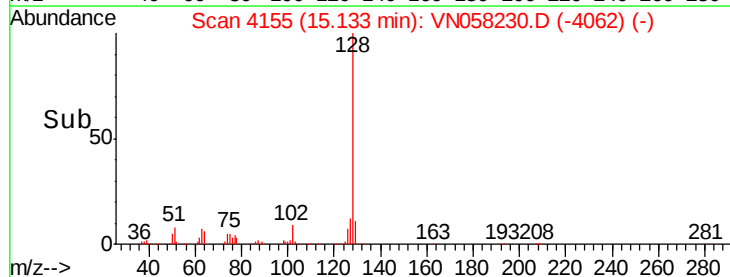
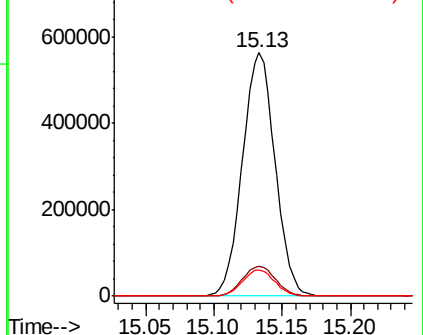
128 100

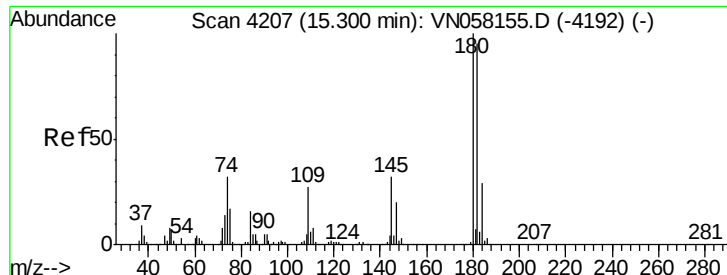
127 12.5 10.2 15.2

129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

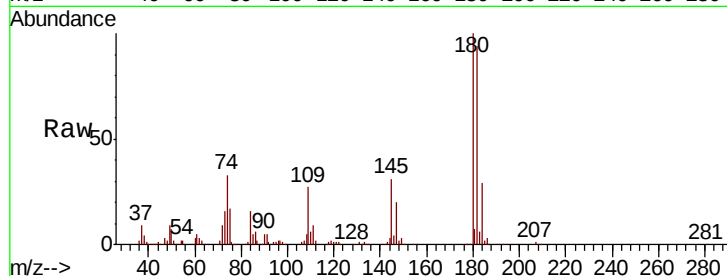




#96
 1,2,3-Trichlorobenzene
 Concen: 50.588 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058230.D
 Acq: 20 Sep 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.2
145	32.3	16.1	48.2



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

