

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058224.D
 Acq On : 19 Sep 2019 22:56
 Operator : JC/SP
 Sample : VN0919WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Quant Time: Sep 20 04:27:20 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	486768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	849337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	361176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	371009	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.57	113	263395	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1038854	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	367940	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78356	19.595	ug/l	99
3) Chloromethane	2.04	50	63939	20.127	ug/l	100
4) Vinyl Chloride	2.17	62	68998	19.926	ug/l	99
5) Bromomethane	2.55	94	20436	12.011	ug/l	96
6) Chloroethane	2.69	64	44613	19.599	ug/l	95
7) Trichlorofluoromethane	3.00	101	104035	19.061	ug/l	100
8) Diethyl Ether	3.39	74	51835	20.727	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77515	19.698	ug/l	98
10) Methyl Iodide	3.93	142	31513	9.557	ug/l #	96
11) Tert butyl alcohol	4.76	59	80558	99.890	ug/l	97
12) 1,1-Dichloroethene	3.72	96	62708	20.790	ug/l	98
13) Acrolein	3.59	56	16693	139.673	ug/l	99
14) Allyl chloride	4.30	41	125072	19.423	ug/l	99
15) Acrylonitrile	4.96	53	230278	107.173	ug/l	99
16) Acetone	3.80	43	194648	84.581	ug/l	99
17) Carbon Disulfide	4.03	76	77721	18.660	ug/l	96
18) Methyl Acetate	4.30	43	125687	20.756	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	321791	21.681	ug/l	97
20) Methylene Chloride	4.53	84	87332	21.549	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	67906	20.630	ug/l	99
22) Diisopropyl ether	5.93	45	349246	21.352	ug/l	96
23) Vinyl Acetate	5.87	43	1230065	109.902	ug/l	100
24) 1,1-Dichloroethane	5.83	63	182402	20.894	ug/l	99
25) 2-Butanone	6.82	43	310023	98.883	ug/l	97
26) 2,2-Dichloropropane	6.81	77	118096	15.945	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	102153	20.694	ug/l	98
28) Bromochloromethane	7.18	49	91268	22.100	ug/l	100
29) Tetrahydrofuran	7.19	42	199209	103.151	ug/l	99
30) Chloroform	7.36	83	195377	20.791	ug/l	95
31) Cyclohexane	7.64	56	118578	19.542	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	146241	20.442	ug/l	98
36) 1,1-Dichloropropene	7.78	75	109222	17.832	ug/l	99
37) Ethyl Acetate	6.91	43	131514	20.690	ug/l	99
38) Carbon Tetrachloride	7.76	117	112584	18.286	ug/l	98

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 VN0919WBSD02

Quant Time: Sep 20 04:27:20 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)
39) Methylcyclohexane	9.07	83	110380	18.683	ug/l	99
40) Benzene	8.03	78	362456	19.375	ug/l	99
41) Methacrylonitrile	7.16	41	68022	21.766	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	155216	19.773	ug/l	100
43) Isopropyl Acetate	8.15	43	230992	19.458	ug/l	99
44) Trichloroethene	8.82	130	89083	19.459	ug/l	99
45) 1,2-Dichloropropane	9.11	63	114162	20.434	ug/l	97
46) Dibromomethane	9.20	93	67658	19.919	ug/l	100
47) Bromodichloromethane	9.40	83	139960	19.668	ug/l	97
48) Methyl methacrylate	9.19	41	107869	20.013	ug/l	99
49) 1,4-Dioxane	9.19	88	31830	359.684	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	717545	113.797	ug/l	98
52) Toluene	10.15	92	229944	19.612	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	138017	18.934	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154457	19.192	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	108410	20.836	ug/l	98
56) Ethyl methacrylate	10.43	69	160496	21.379	ug/l	98
57) 1,3-Dichloropropane	10.71	76	183240	20.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	401981	112.417	ug/l	100
59) 2-Hexanone	10.75	43	506503	108.157	ug/l	98
60) Dibromochloromethane	10.90	129	98333	19.645	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97258	20.170	ug/l	98
64) Tetrachloroethene	10.63	164	70852	18.989	ug/l	97
65) Chlorobenzene	11.43	112	265641	19.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	98953	20.270	ug/l	99
67) Ethyl Benzene	11.51	91	473950	20.545	ug/l	100
68) m/p-Xylenes	11.62	106	342791	39.454	ug/l	98
69) o-Xylene	11.95	106	168560	19.730	ug/l	98
70) Styrene	11.97	104	298518	20.280	ug/l	99
71) Bromoform	12.13	173	59725	18.910	ug/l #	98
73) Isopropylbenzene	12.25	105	491432	21.738	ug/l	99
74) N-amyl acetate	12.07	43	225223	23.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	163791	21.635	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	187346	28.983	ug/l #	100
77) Bromobenzene	12.53	156	114355	20.109	ug/l	98
78) n-propylbenzene	12.59	91	552825	21.519	ug/l	100
79) 2-Chlorotoluene	12.68	91	342141	21.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	410971	21.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33902	19.585	ug/l	93
82) 4-Chlorotoluene	12.78	91	346991	20.560	ug/l	98
83) tert-Butylbenzene	13.00	119	358136	21.007	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	423484	22.260	ug/l	98
85) sec-Butylbenzene	13.18	105	484187	21.719	ug/l	99
86) p-Isopropyltoluene	13.29	119	428529	21.622	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	216896	20.882	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	216963	20.461	ug/l	98
89) n-Butylbenzene	13.62	91	388204	20.660	ug/l	100
90) Hexachloroethane	13.88	117	61393	19.490	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	222733	21.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	28619	20.998	ug/l	97

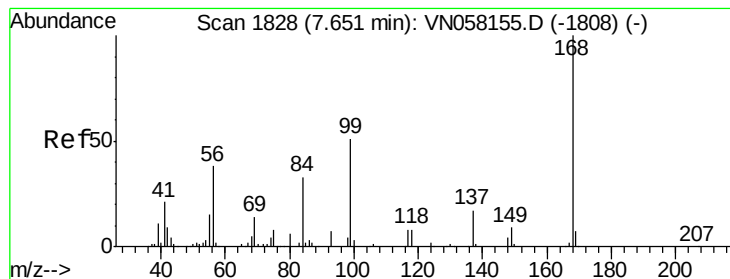
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	137565	20.665	ug/l	98
94) Hexachlorobutadiene	15.01	225	63896	19.859	ug/l	95
95) Naphthalene	15.13	128	390838	22.655	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	131019	20.823	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

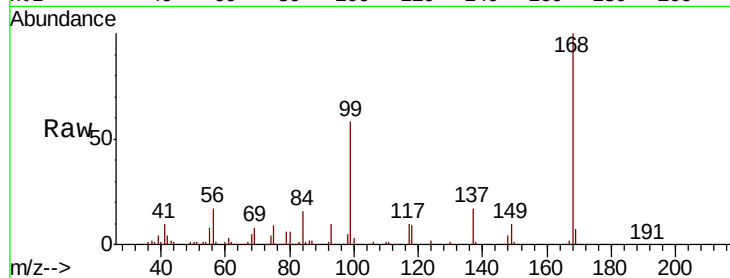
VN0919WBSD02

Tot Ion:168 Resp: 486768

Ion Ratio Lower Upper

168 100

99 57.8 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

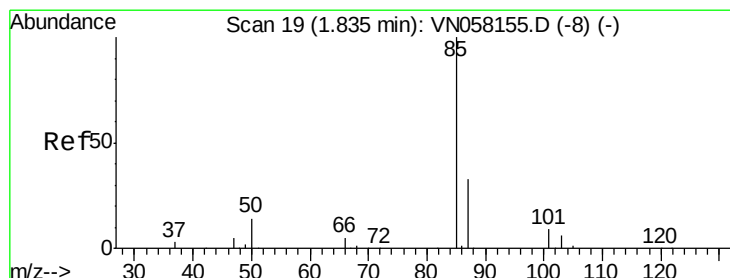
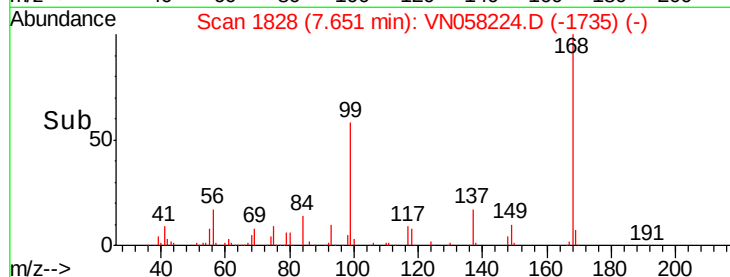
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.595 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058224.D

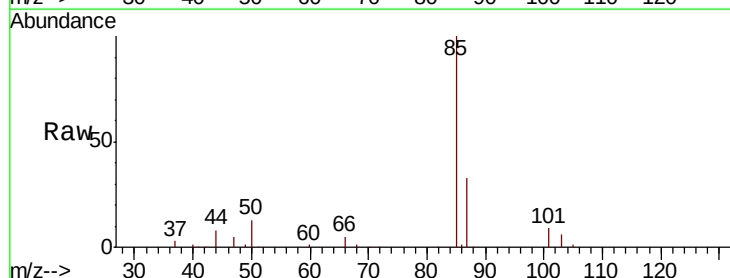
Acq: 19 Sep 2019 22:56

Tgt Ion: 85 Resp: 78356

Ion Ratio Lower Upper

85 100

87 33.1 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

60000

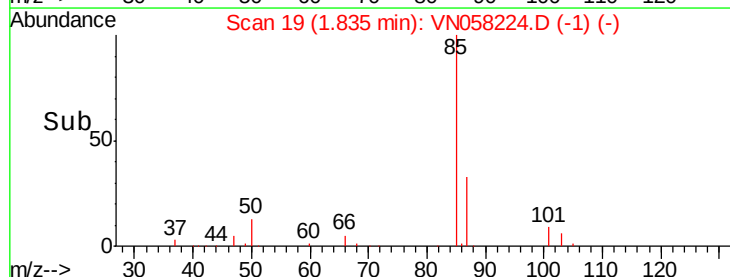
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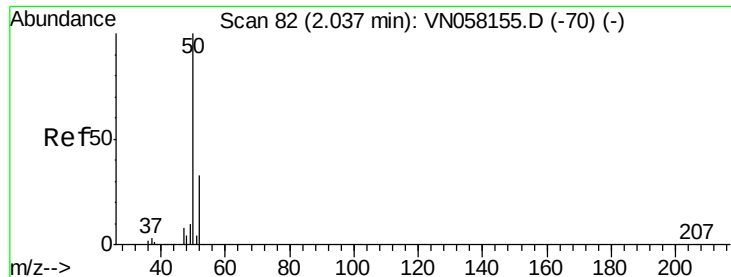
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.127 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

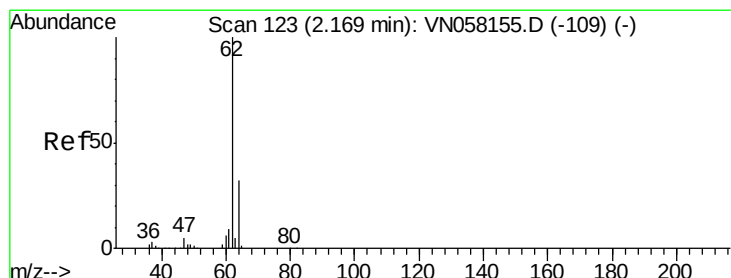
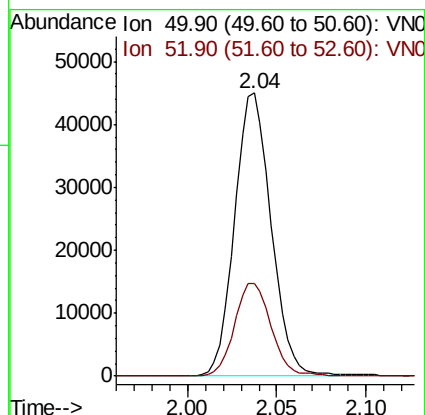
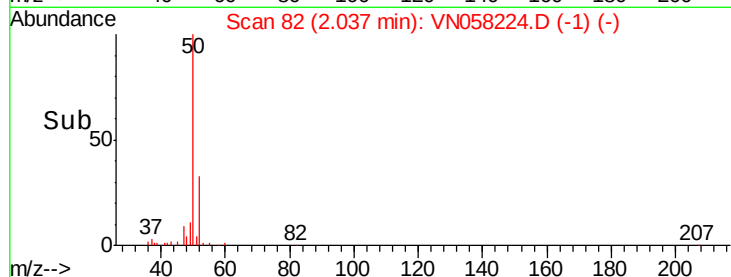
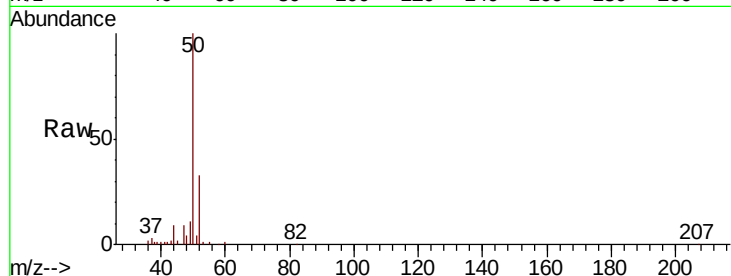
VN0919WBSD02

Tot Ion: 50 Resp: 63939

Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5



#4

Vinyl Chloride

Concen: 19.926 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058224.D

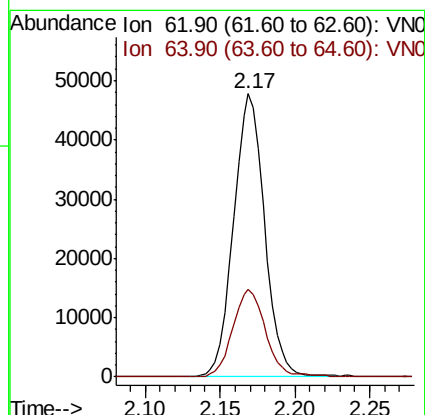
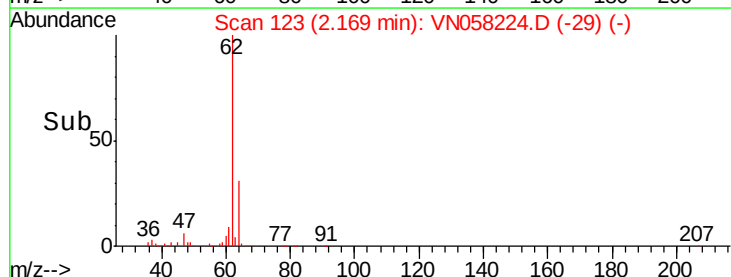
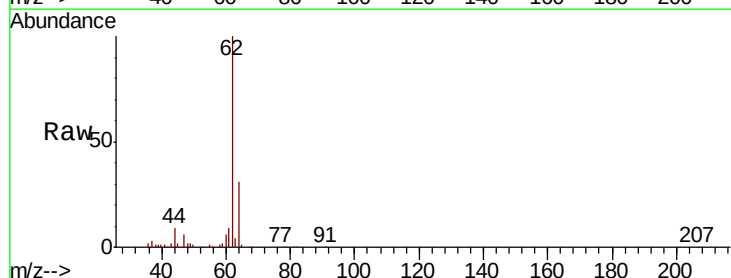
Acq: 19 Sep 2019 22:56

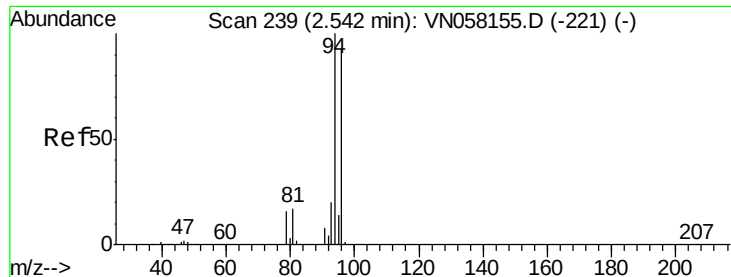
Tgt Ion: 62 Resp: 68998

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 12.011 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

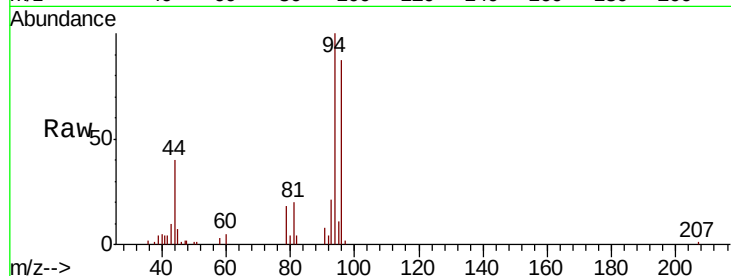
VN0919WBSD02

Tot Ion: 94 Resp: 20436

Ion Ratio Lower Upper

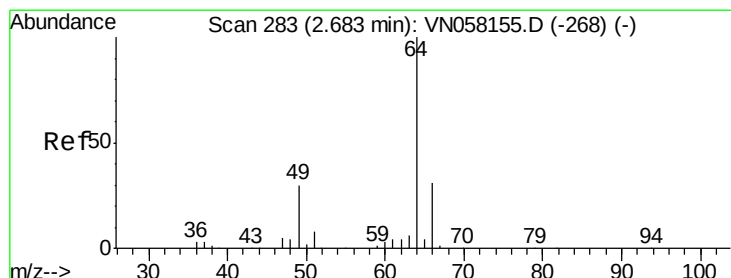
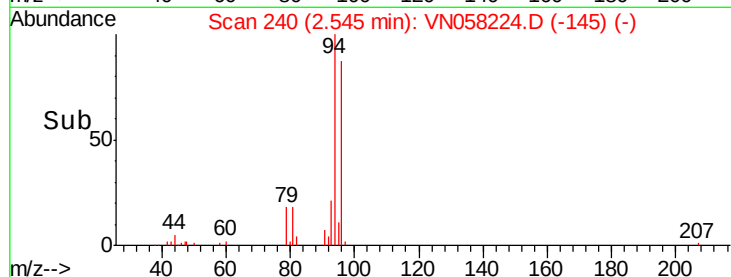
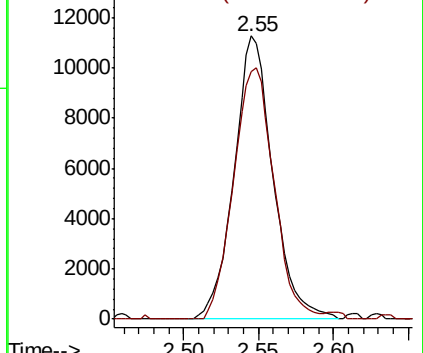
94 100

96 87.4 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.599 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058224.D

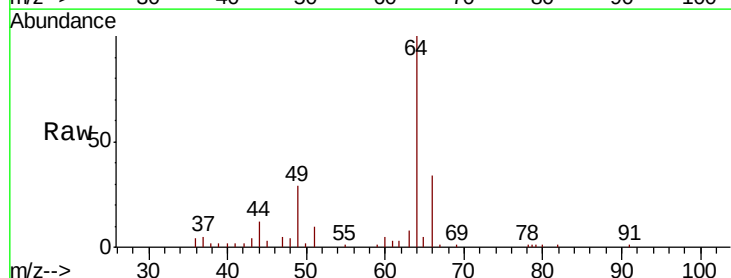
Acq: 19 Sep 2019 22:56

Tgt Ion: 64 Resp: 44613

Ion Ratio Lower Upper

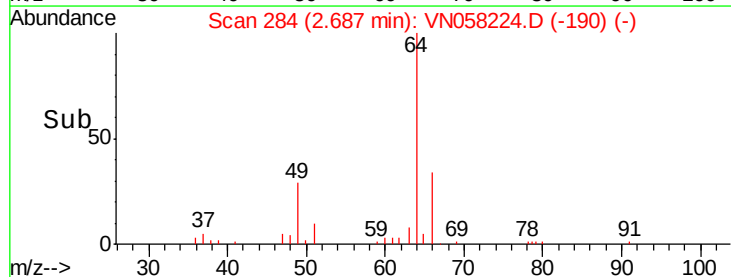
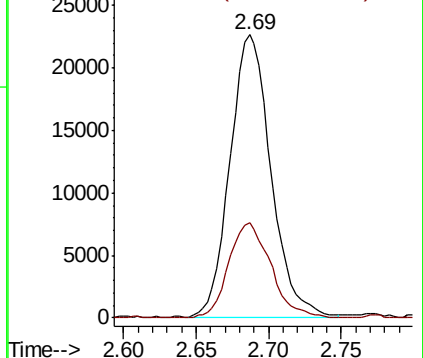
64 100

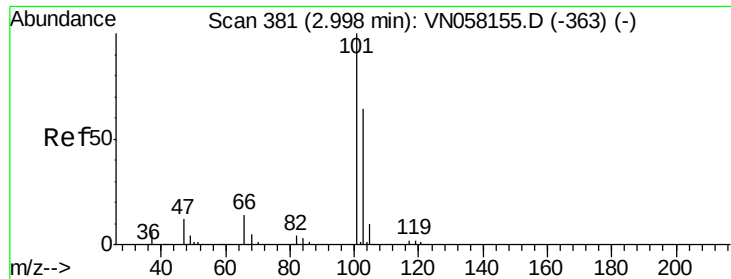
66 33.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



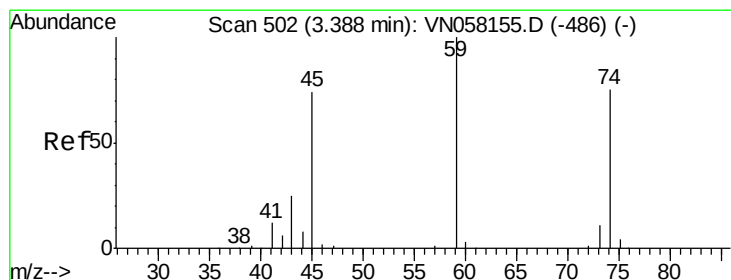
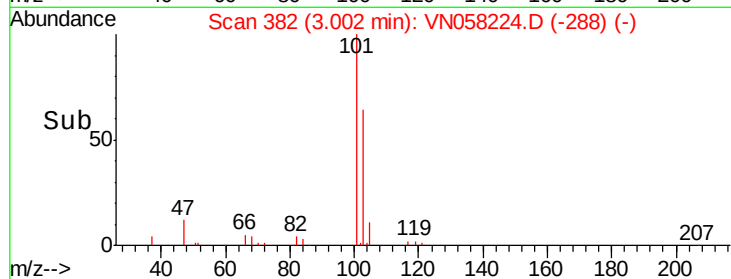
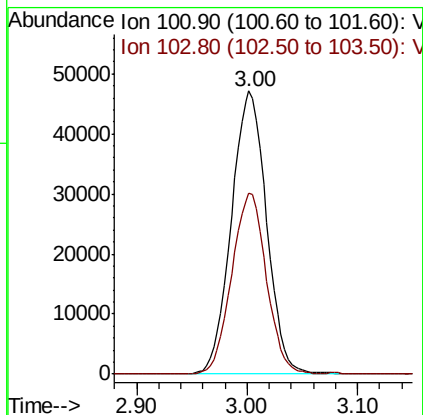
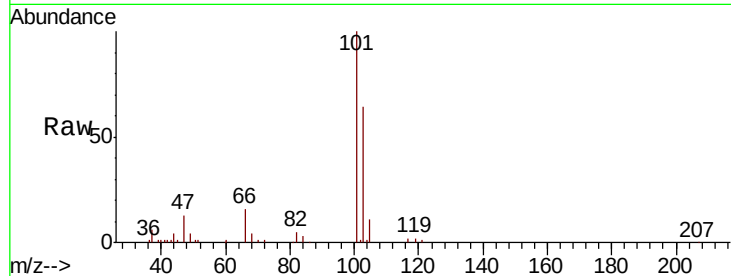


#7

Trichlorofluoromethane
Concen: 19.061 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

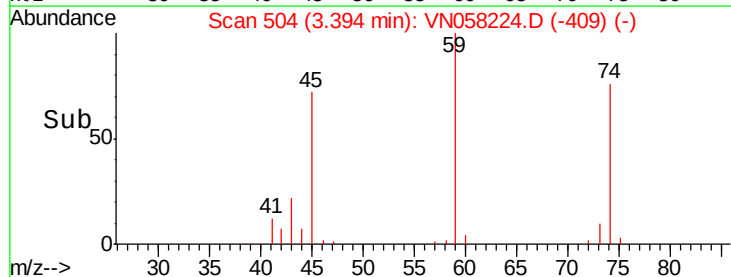
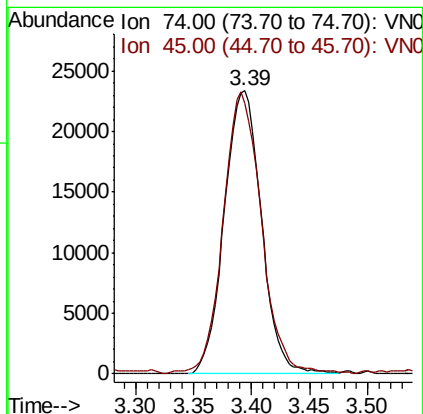
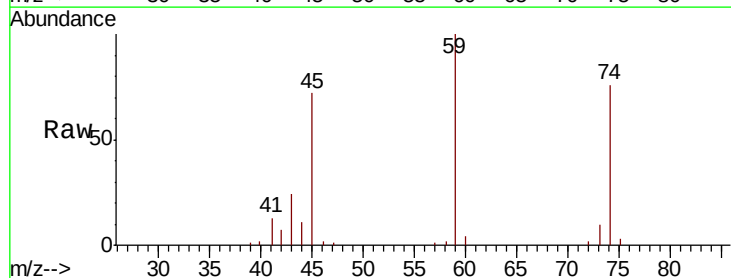
Tot Ion:101 Resp: 104035
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.6

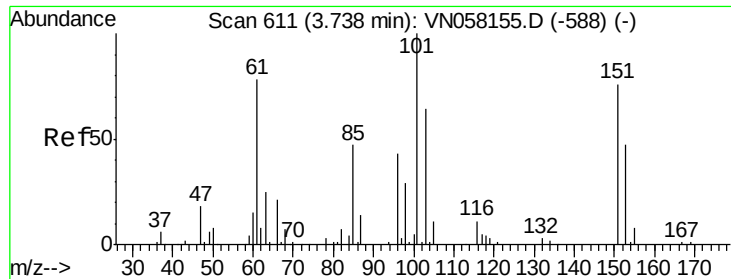


#8

Diethyl Ether
Concen: 20.727 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 74 Resp: 51835
Ion Ratio Lower Upper
74 100
45 102.8 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.698 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

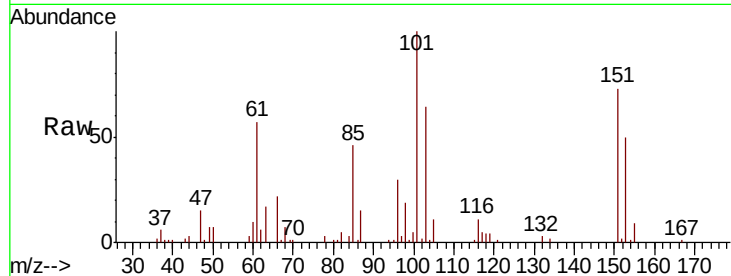
Tot Ion:101 Resp: 77515

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

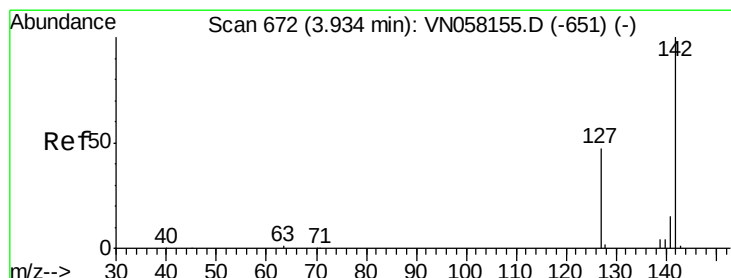
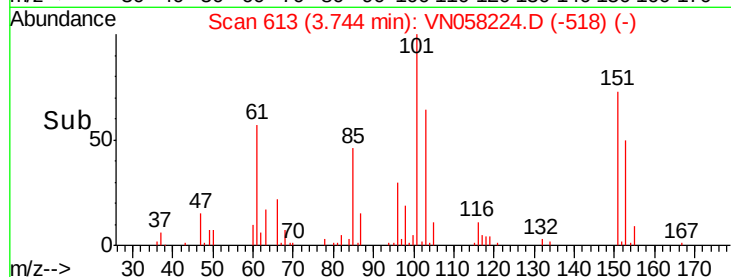
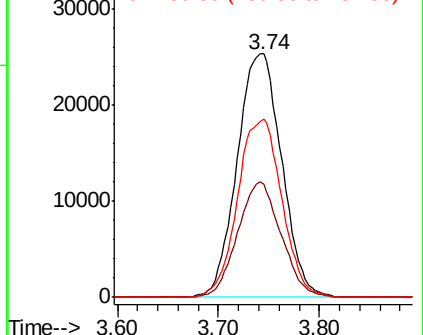
151 72.7 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.557 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

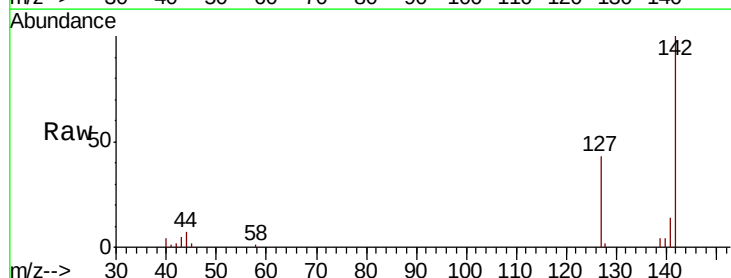
Tgt Ion:142 Resp: 31513

Ion Ratio Lower Upper

142 100

127 46.6 37.5 56.3

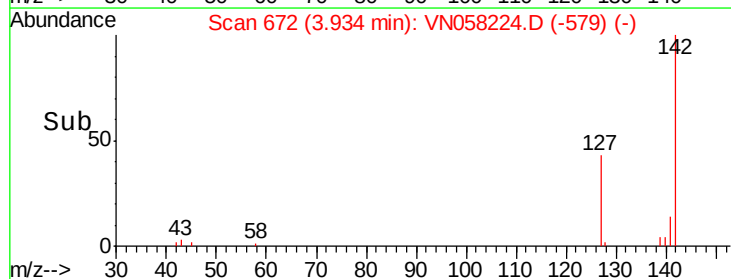
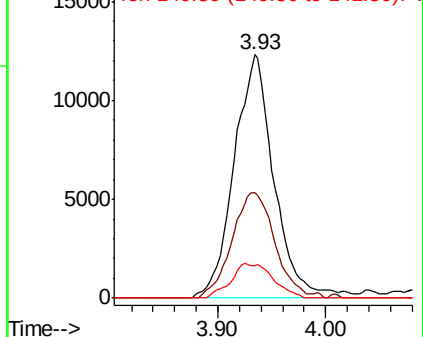
141 7.6 11.4 17.2#

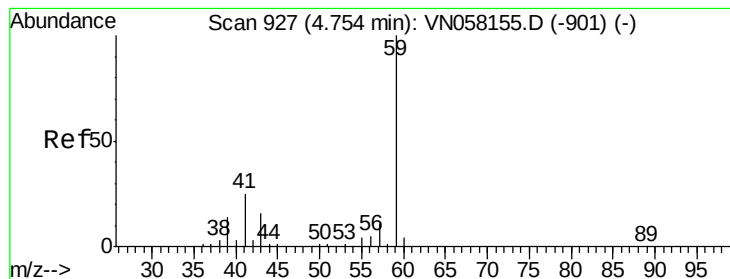


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



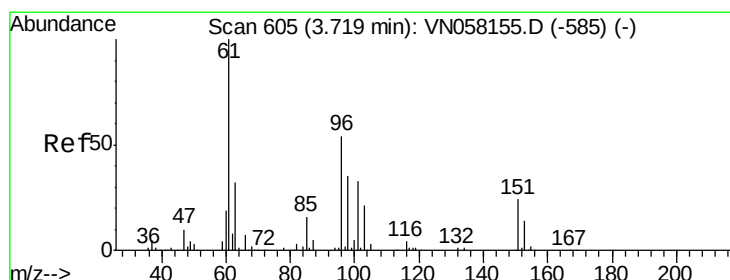
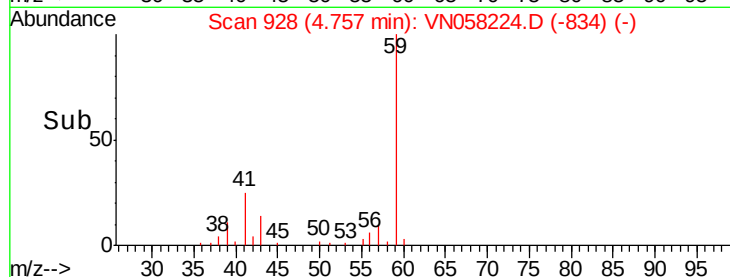
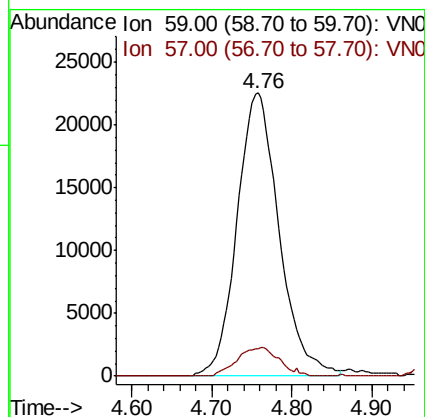
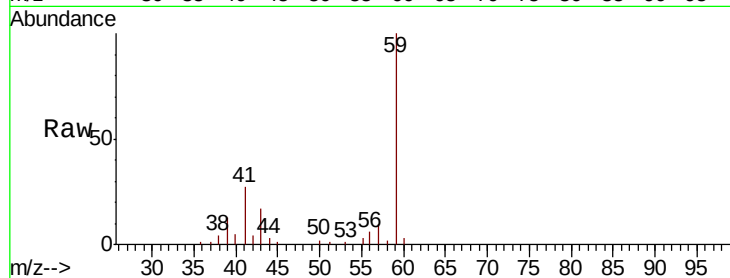


#11

Tert butyl alcohol
 Concen: 99.890 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

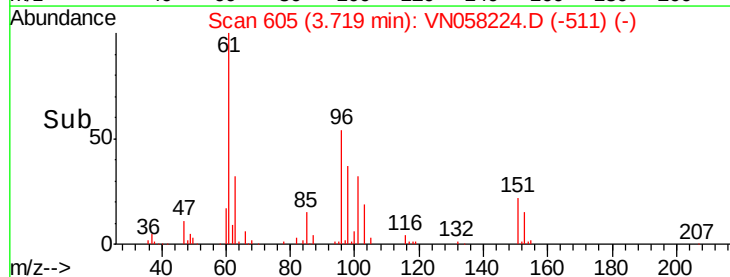
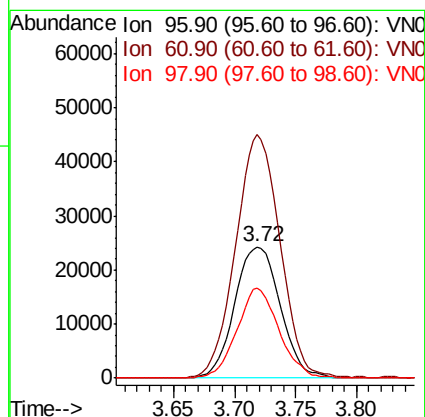
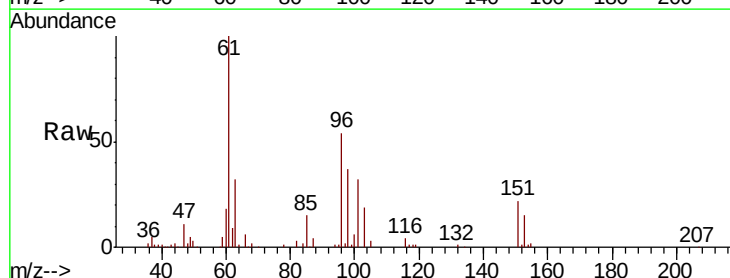
Tot Ion: 59 Resp: 80558
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.6 13.0

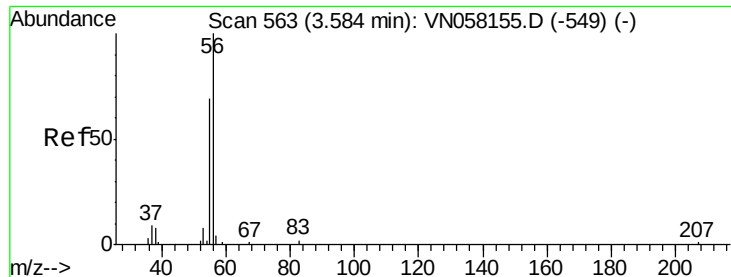


#12

1,1-Dichloroethene
 Concen: 20.790 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 96 Resp: 62708
 Ion Ratio Lower Upper
 96 100
 61 184.5 149.5 224.3
 98 68.9 52.4 78.6





#13

Acrolein

Concen: 139.673 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

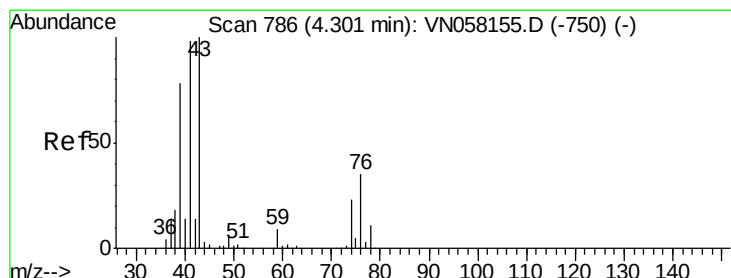
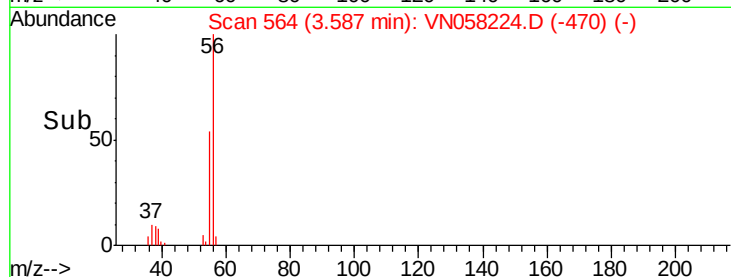
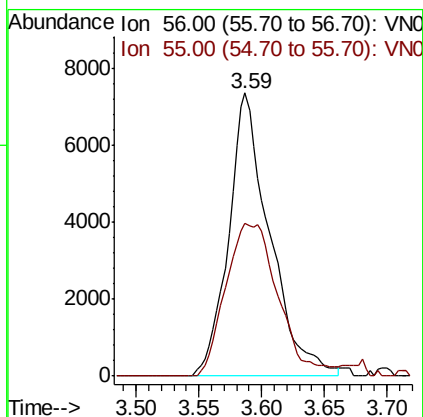
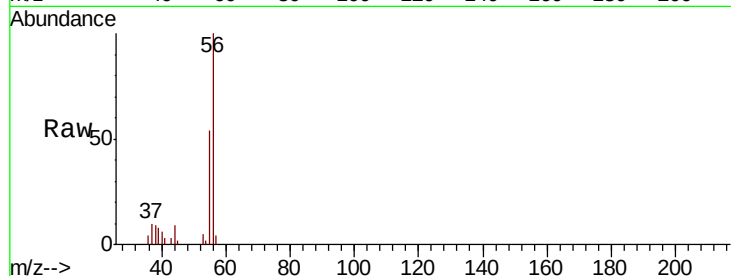
VN0919WBSD02

Tot Ion: 56 Resp: 16693

Ion Ratio Lower Upper

56 100

55 69.1 56.1 84.1



#14

Allyl chloride

Concen: 19.423 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

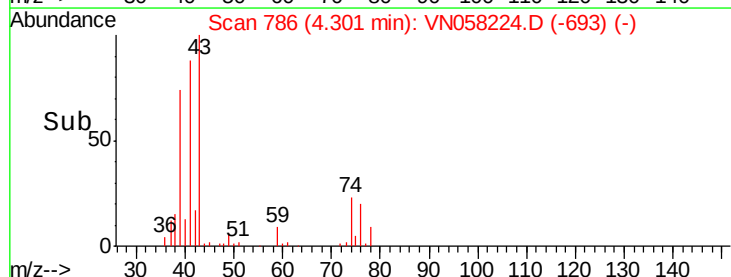
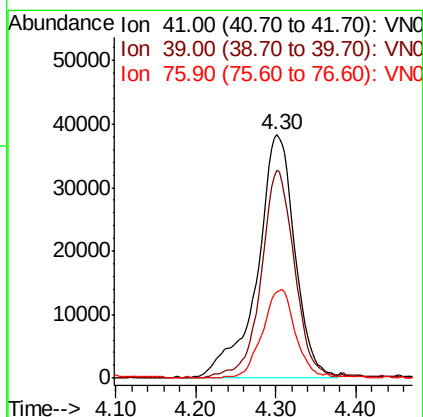
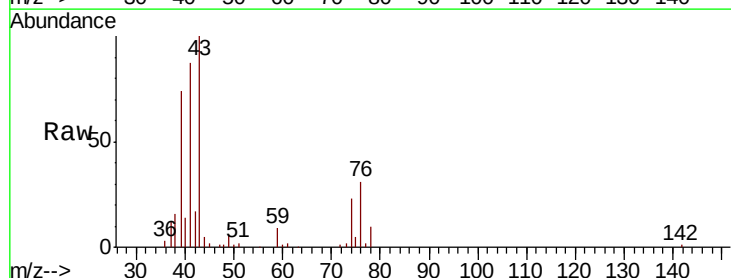
Tgt Ion: 41 Resp: 125072

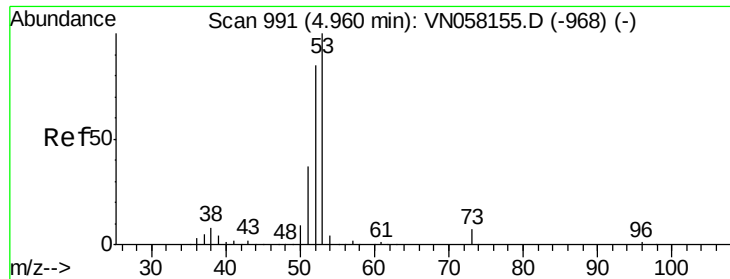
Ion Ratio Lower Upper

41 100

39 75.6 59.1 88.7

76 31.6 25.1 37.7





#15

Acrylonitrile

Concen: 107.173 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

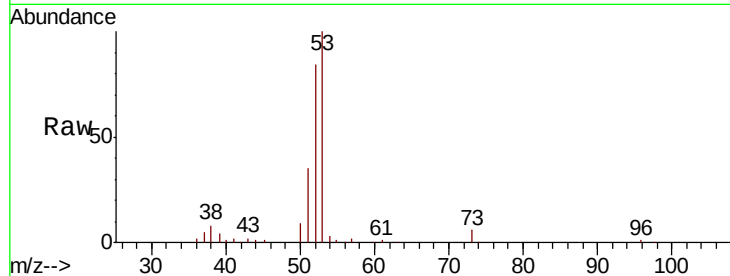
Tot Ion: 53 Resp: 230278

Ion Ratio Lower Upper

53 100

52 84.4 66.6 100.0

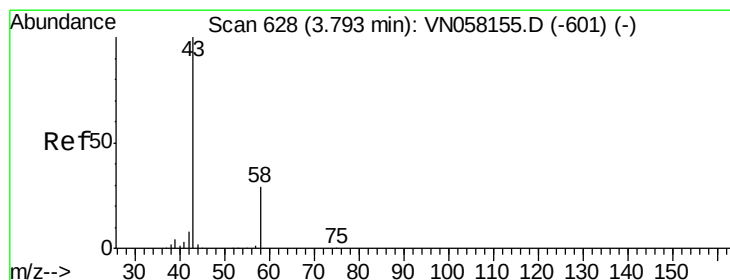
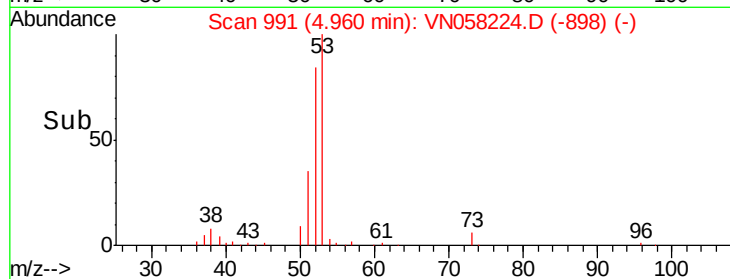
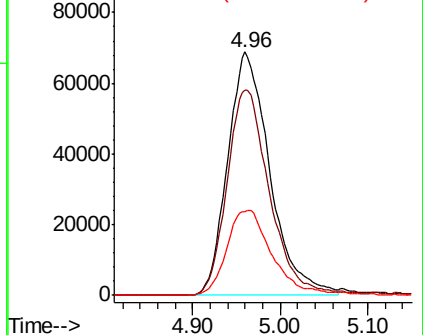
51 37.2 29.7 44.5



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: 84.581 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058224.D

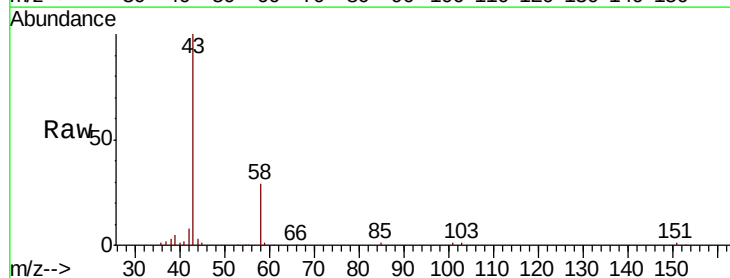
Acq: 19 Sep 2019 22:56

Tgt Ion: 43 Resp: 194648

Ion Ratio Lower Upper

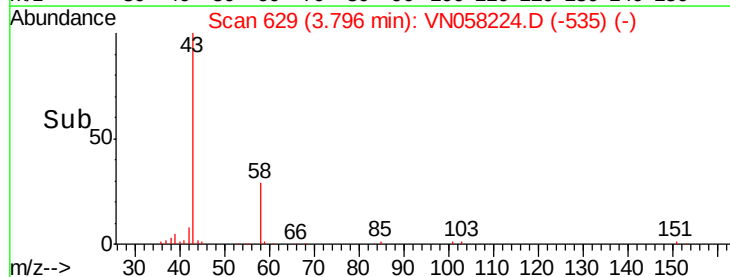
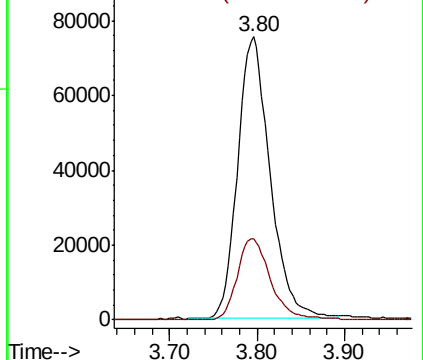
43 100

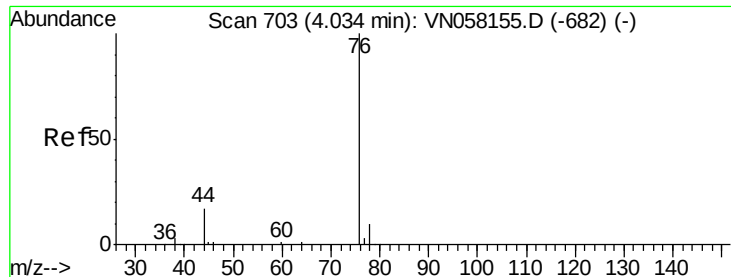
58 28.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.660 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

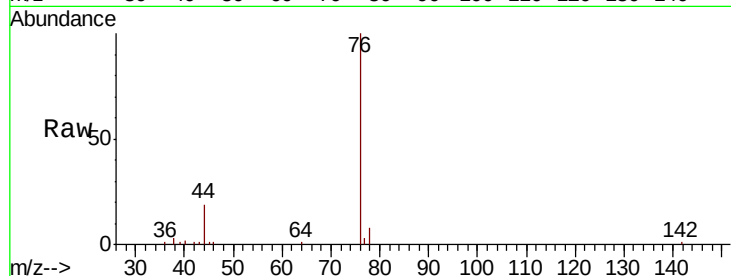
VN0919WBSD02

Tot Ion: 76 Resp: 77721

Ion Ratio Lower Upper

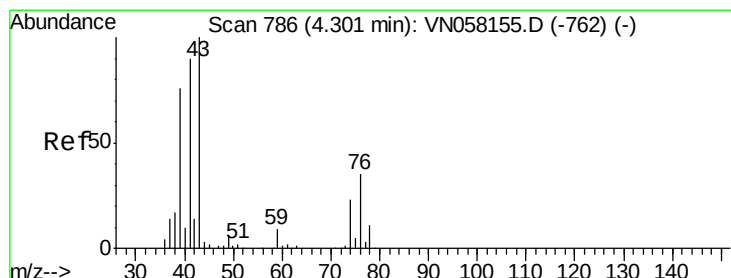
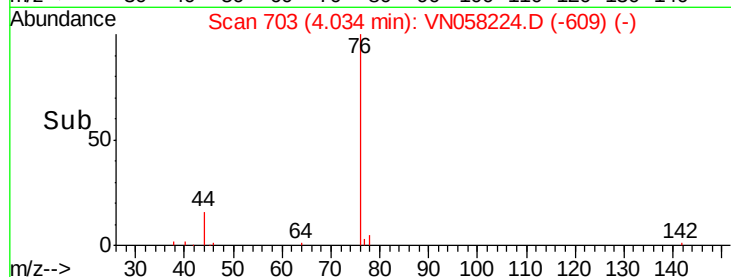
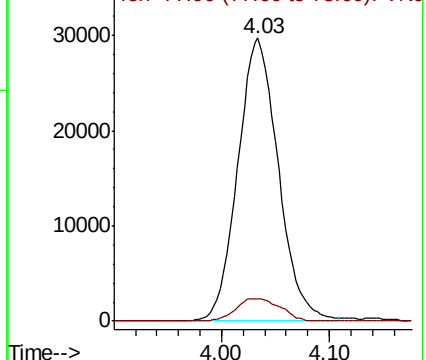
76 100

78 8.0 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.756 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058224.D

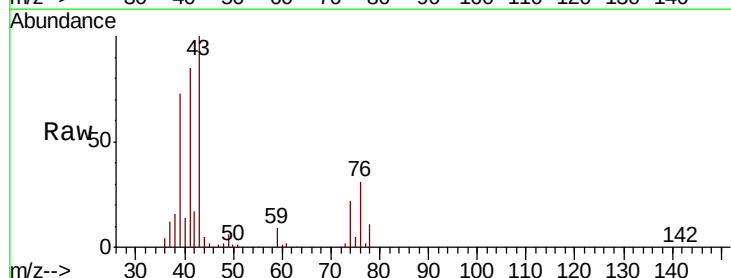
Acq: 19 Sep 2019 22:56

Tgt Ion: 43 Resp: 125687

Ion Ratio Lower Upper

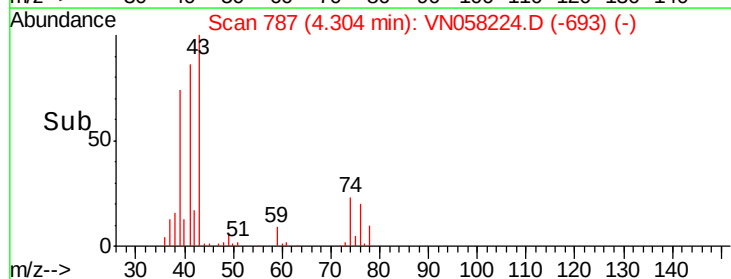
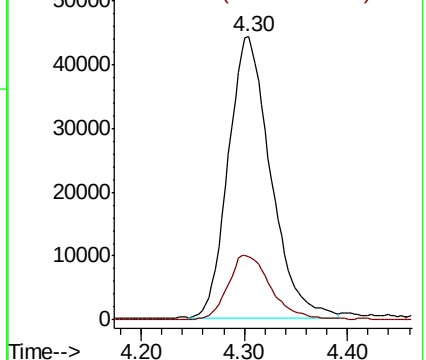
43 100

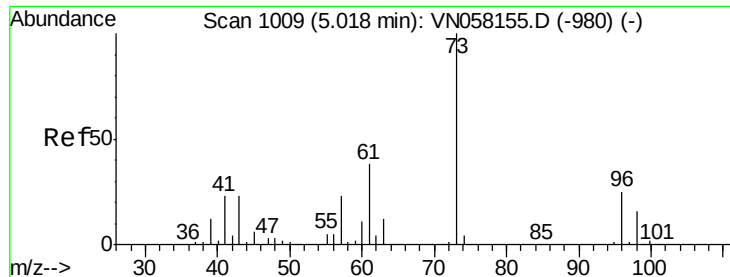
74 23.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

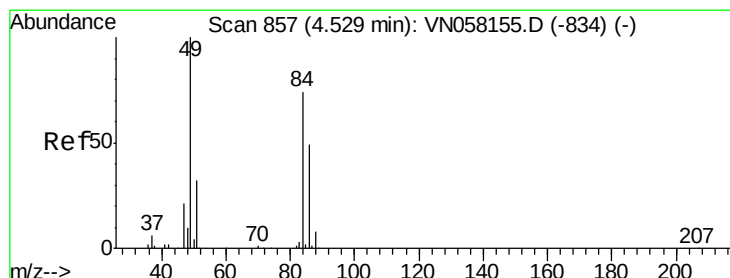
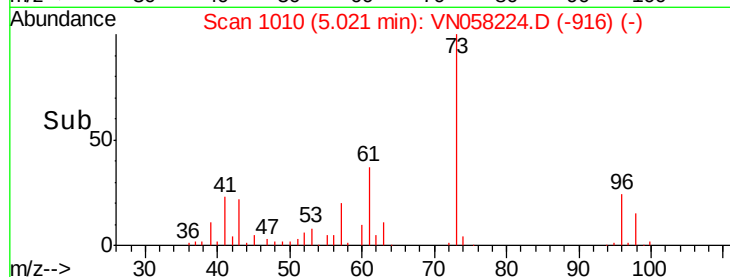
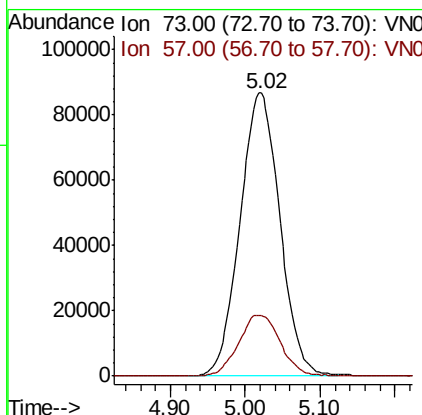
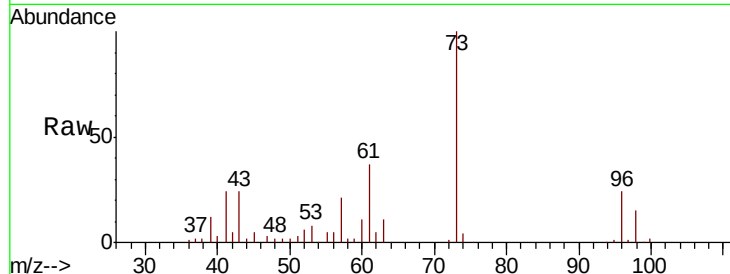




#19
Methyl tert-butyl Ether
Concen: 21.681 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

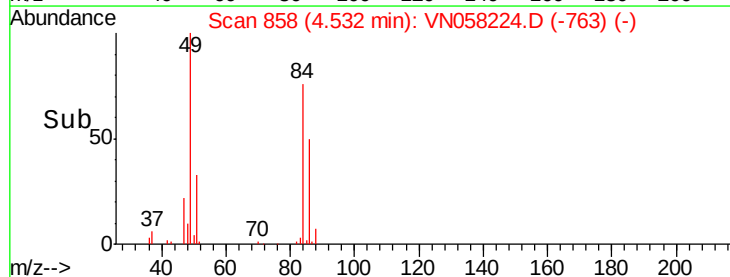
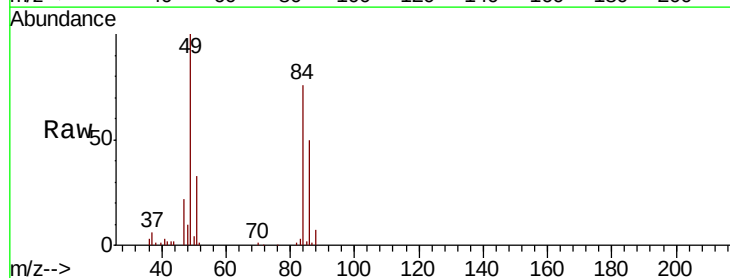
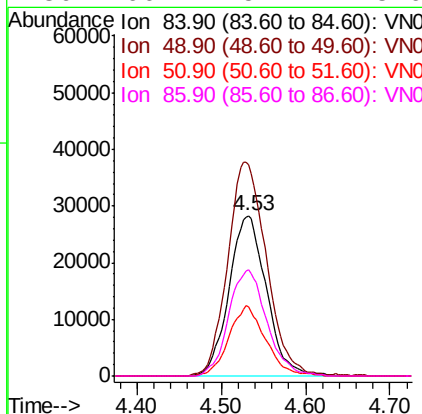
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

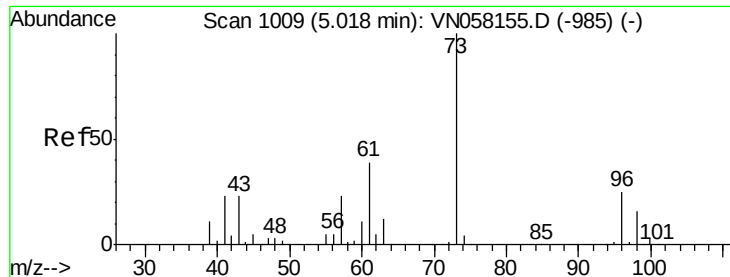
Tot Ion: 73 Resp: 321791
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1



#20
Methylene Chloride
Concen: 21.549 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 84 Resp: 87332
Ion Ratio Lower Upper
84 100
49 131.6 107.5 161.3
51 42.8 33.9 50.9
86 66.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 20.630 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

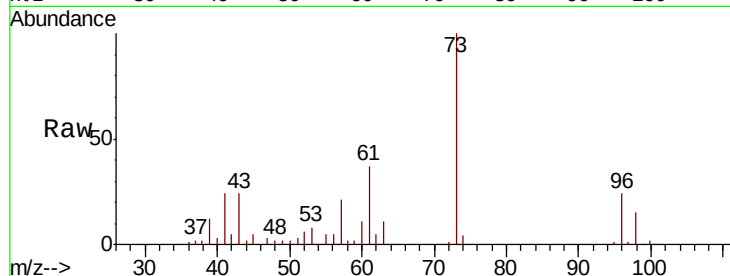
Tot Ion: 96 Resp: 67906

Ion Ratio Lower Upper

96 100

61 154.5 122.2 183.4

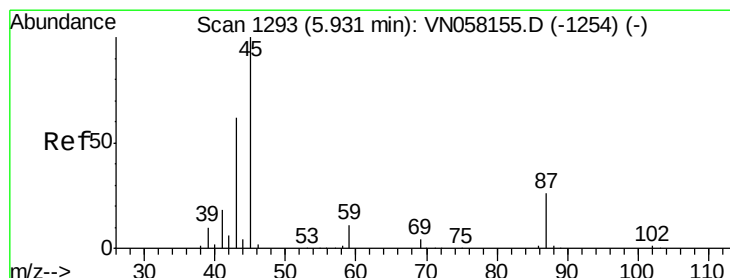
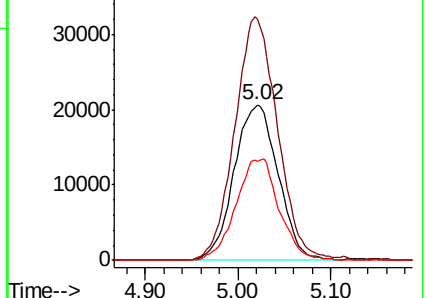
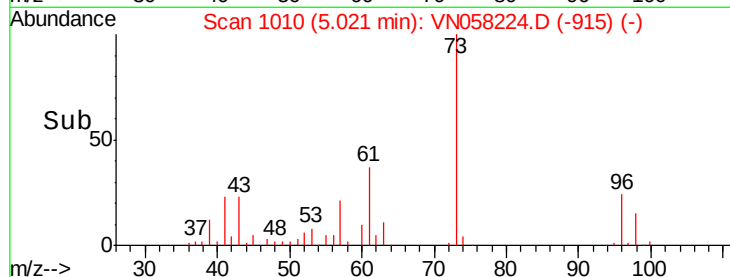
98 63.6 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.352 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion: 45 Resp: 349246

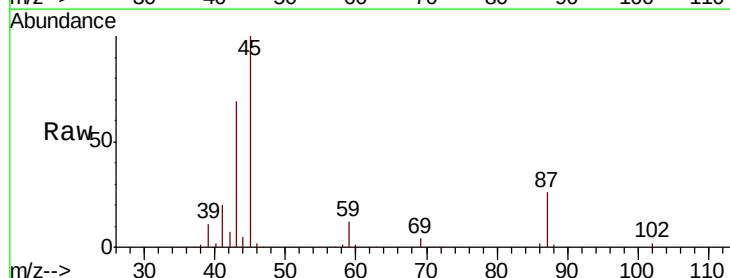
Ion Ratio Lower Upper

45 100

43 67.5 49.7 74.5

87 26.0 20.7 31.1

59 11.2 9.1 13.7

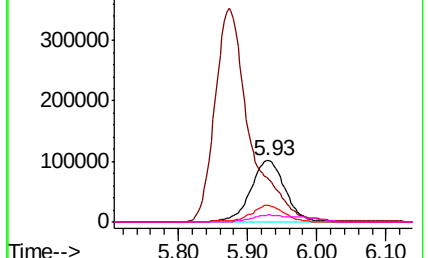
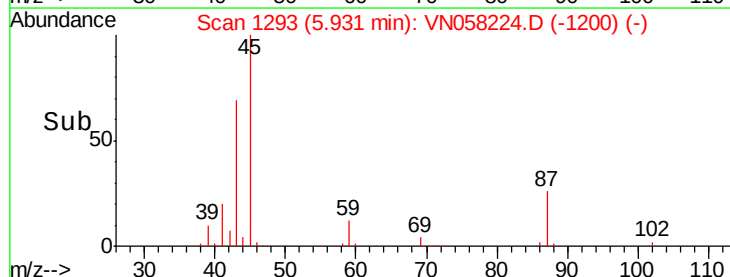


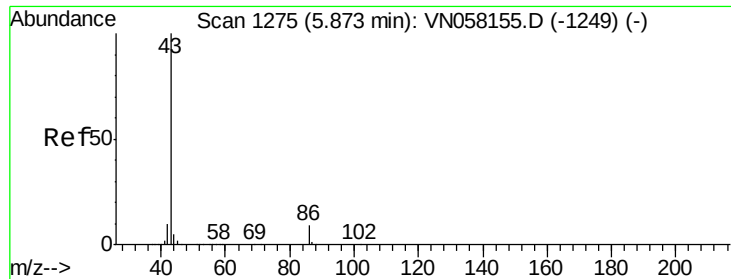
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

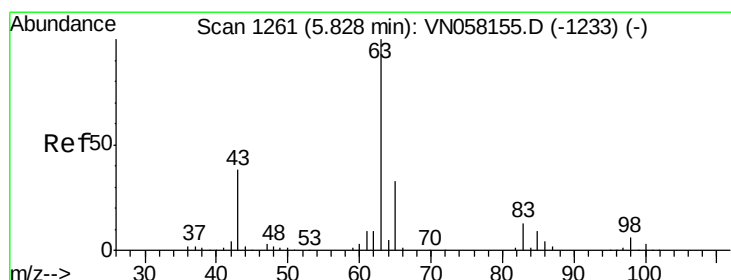
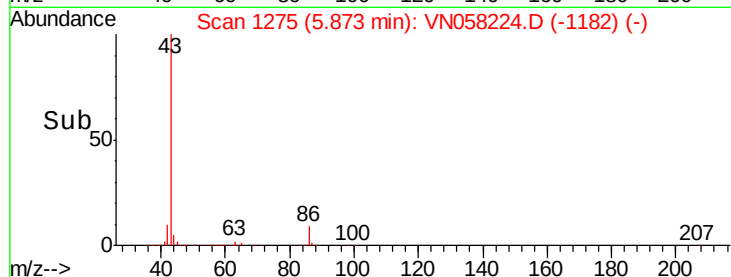
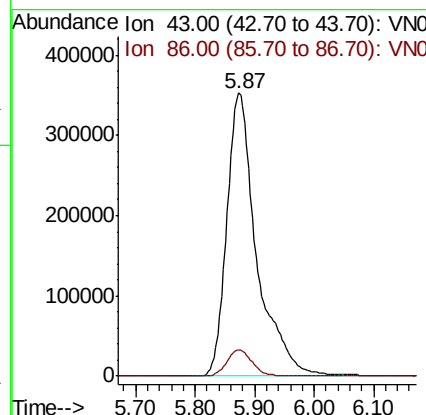
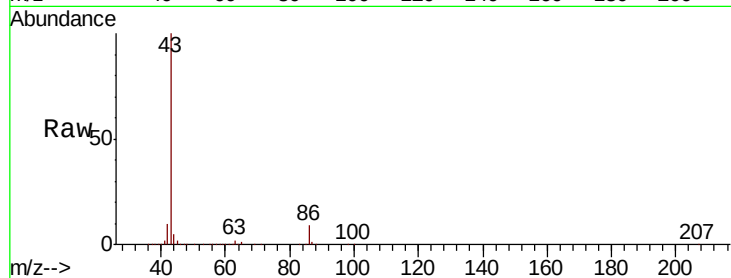




#23
 Vinyl Acetate
 Concen: 109.902 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

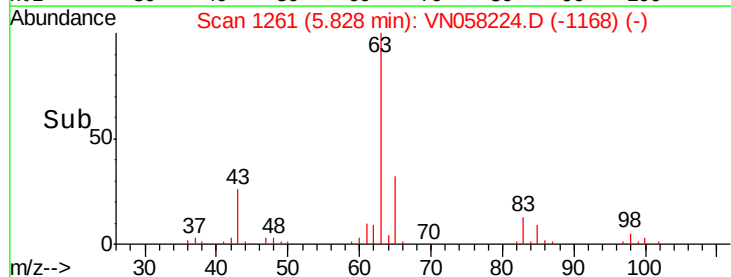
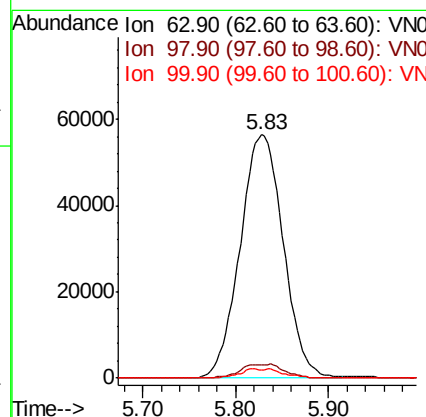
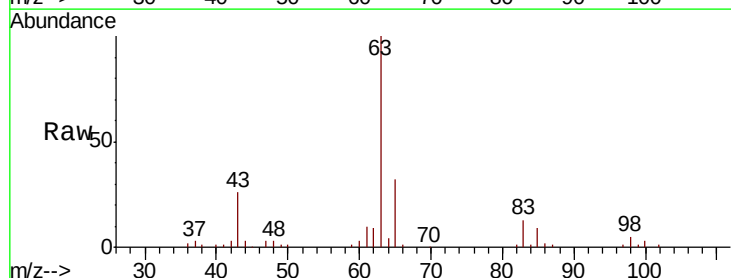
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

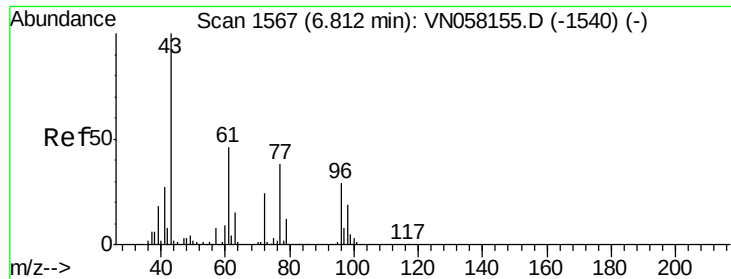
Tot Ion: 43 Resp: 1230065
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 20.894 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 63 Resp: 182402
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.9 8.6
 100 3.1 1.8 5.3

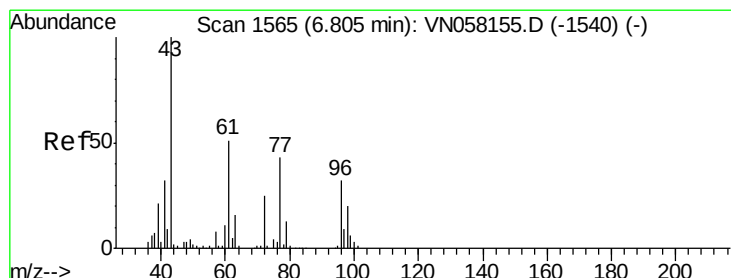
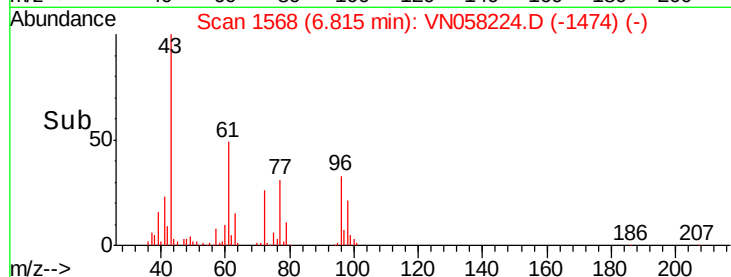
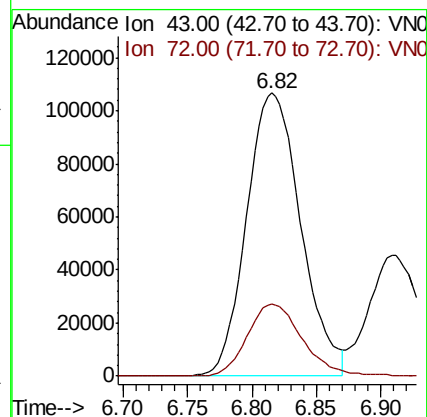
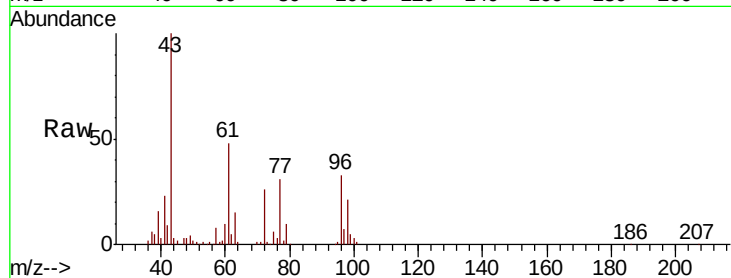




#25
 2-Butanone
 Concen: 98.883 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

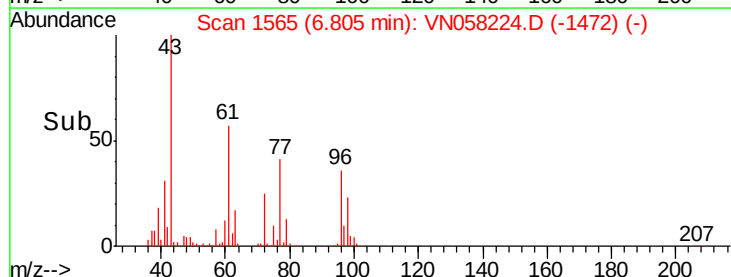
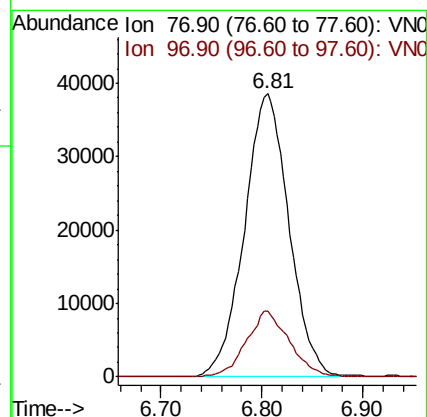
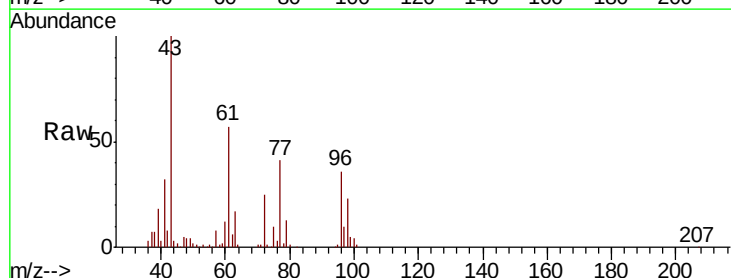
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

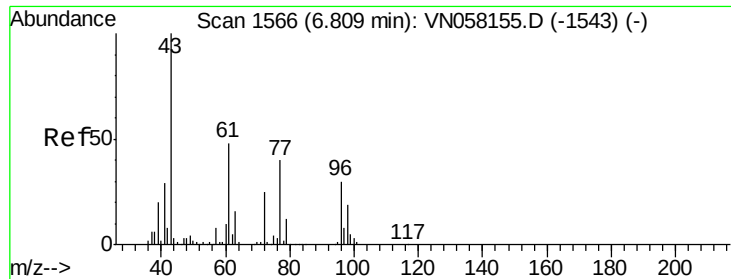
Tot Ion: 43 Resp: 310023
 Ion Ratio Lower Upper
 43 100
 72 25.8 19.5 29.3



#26
 2,2-Dichloropropane
 Concen: 15.945 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 77 Resp: 118096
 Ion Ratio Lower Upper
 77 100
 97 22.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.694 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

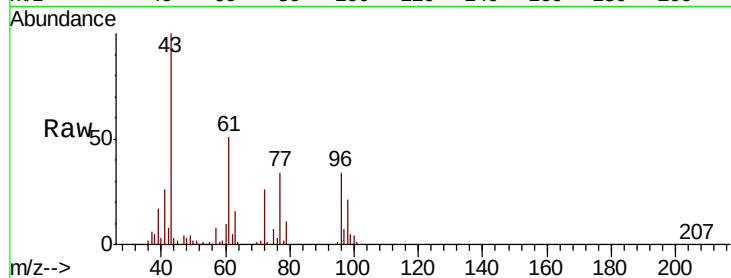
Tot Ion: 96 Resp: 102153

Ion Ratio Lower Upper

96 100

61 156.2 0.0 319.0

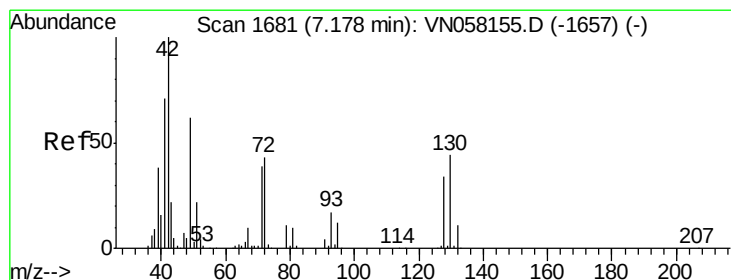
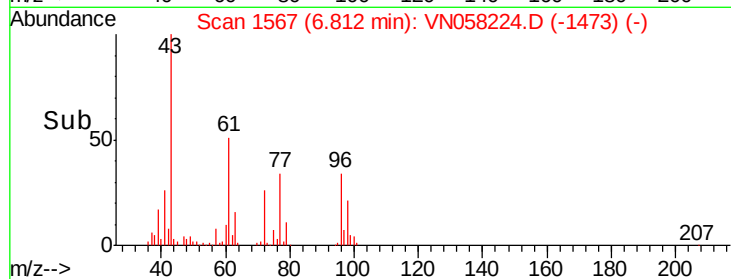
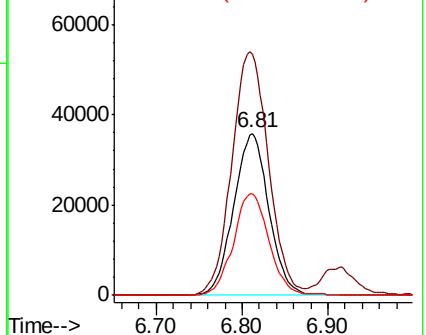
98 63.1 0.0 126.6



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: 22.100 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

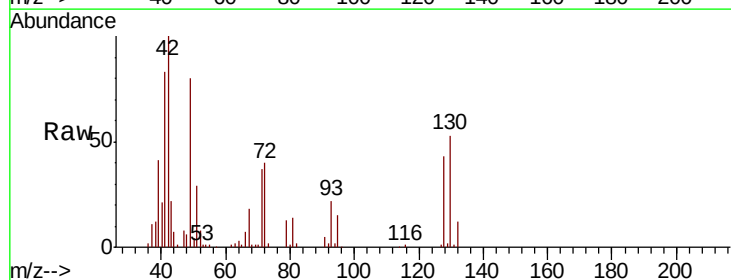
Tgt Ion: 49 Resp: 91268

Ion Ratio Lower Upper

49 100

129 1.2 0.0 1.8

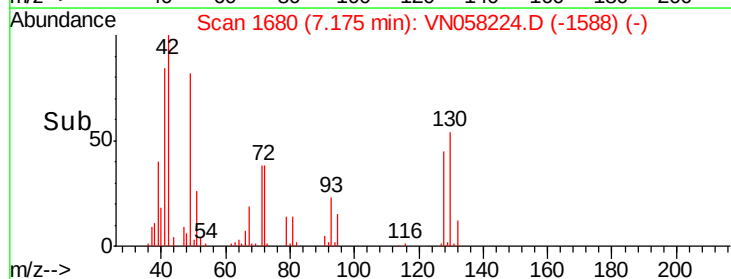
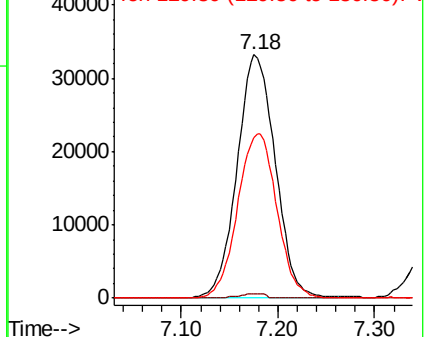
130 69.3 55.4 83.2

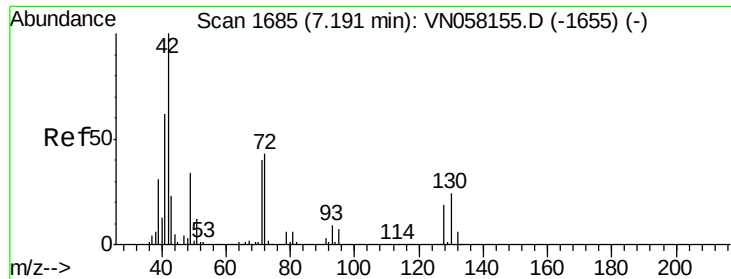


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

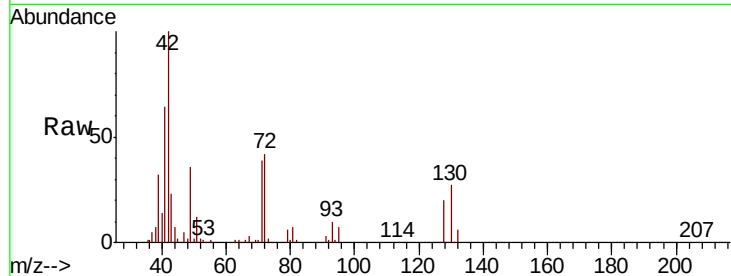




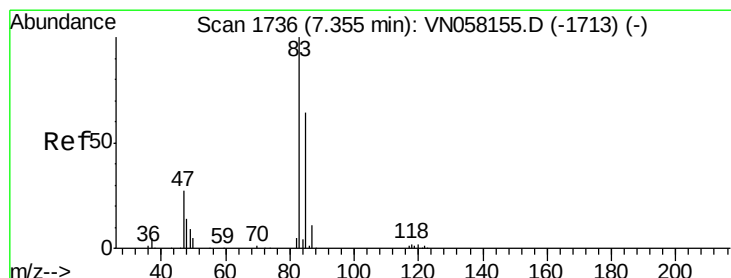
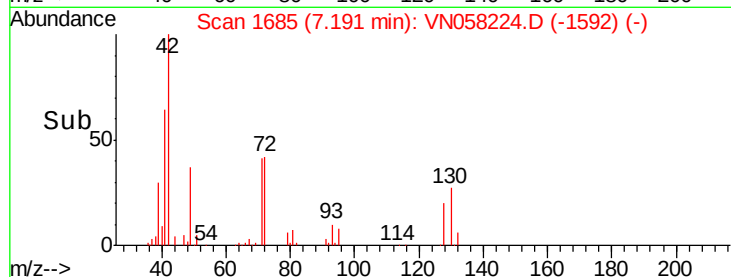
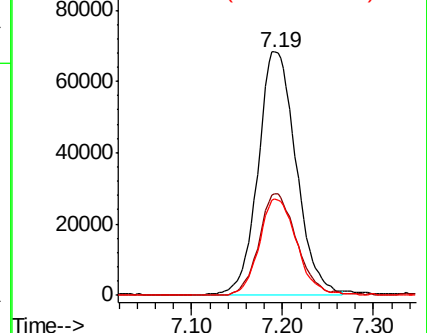
#29
Tetrahydrofuran
Concen: 103.151 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion: 42 Resp: 199209
Ion Ratio Lower Upper
42 100
72 41.4 33.8 50.6
71 38.8 31.4 47.0

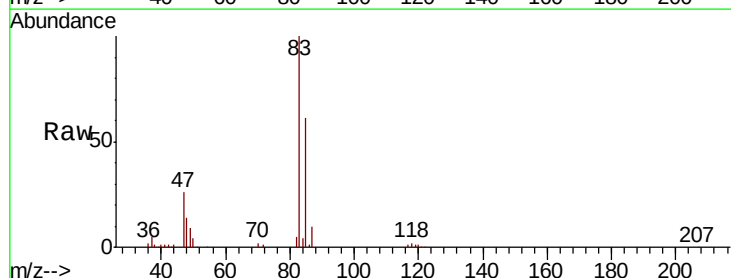


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

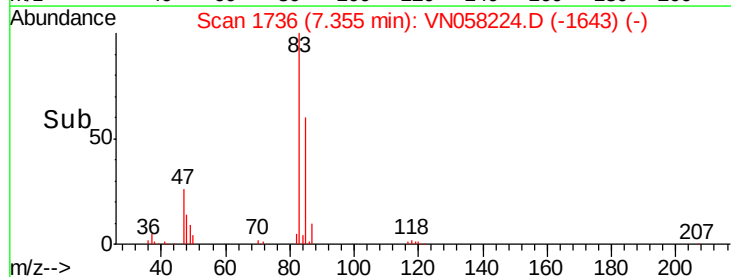
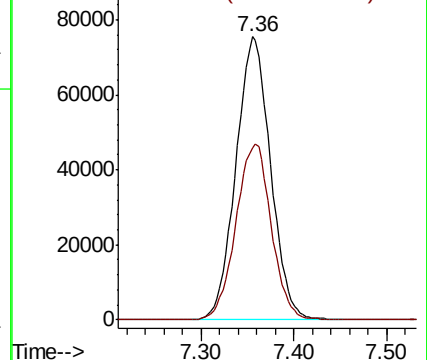


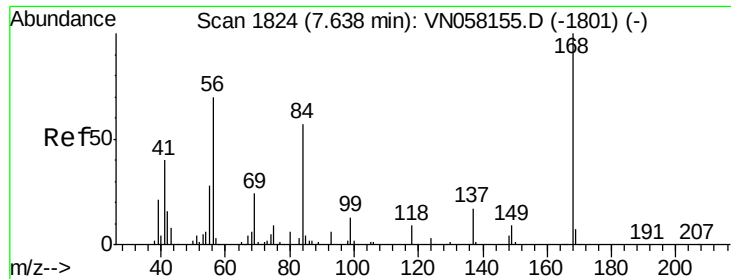
#30
Chloroform
Concen: 20.791 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 83 Resp: 195377
Ion Ratio Lower Upper
83 100
85 60.6 51.4 77.2



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

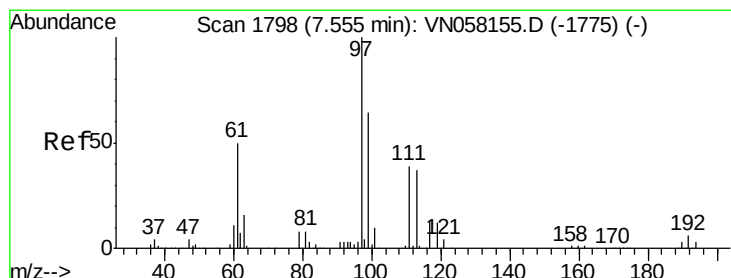
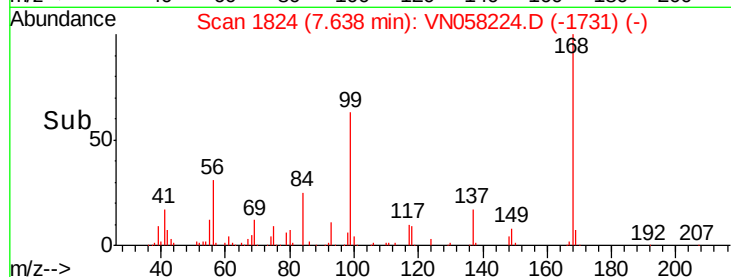
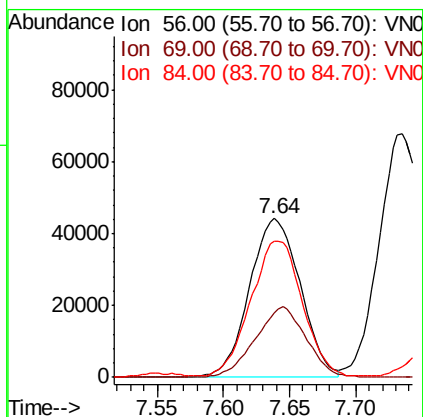
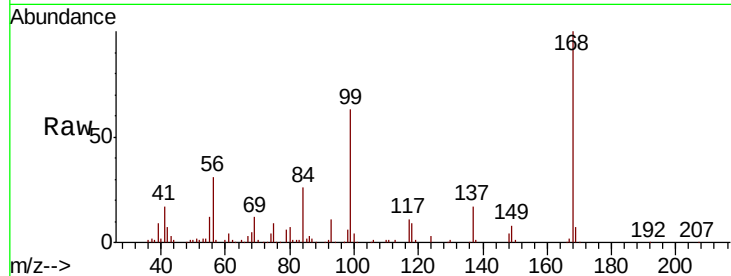




#31
Cyclohexane
Concen: 19.542 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

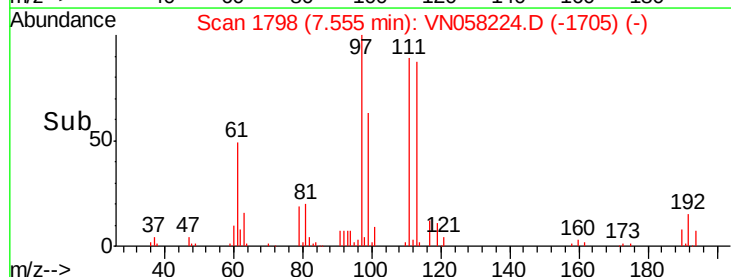
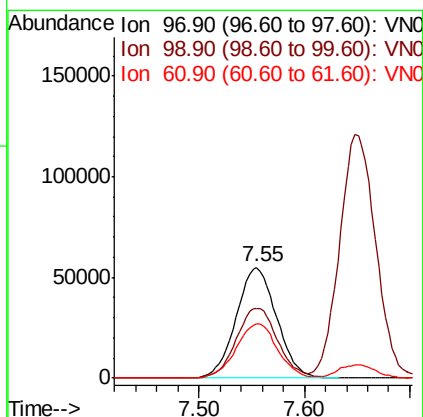
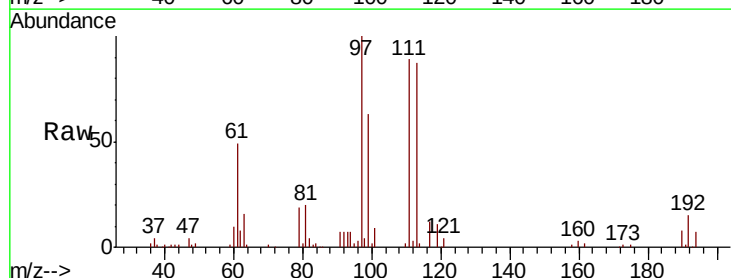
Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

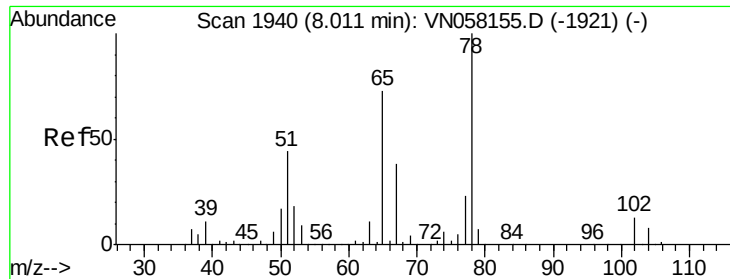
Tot Ion: 56 Resp: 118578
Ion Ratio Lower Upper
56 100
69 40.4 27.3 40.9
84 84.6 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 20.442 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 97 Resp: 146241
Ion Ratio Lower Upper
97 100
99 64.8 50.9 76.3
61 50.0 39.2 58.8

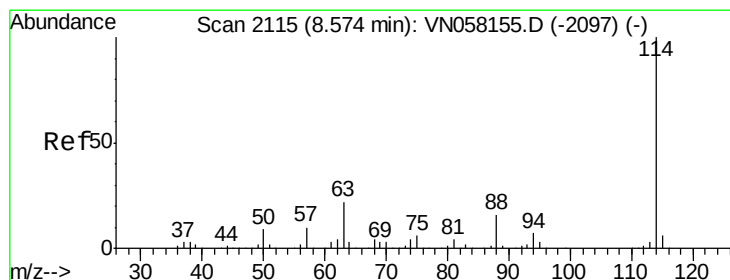
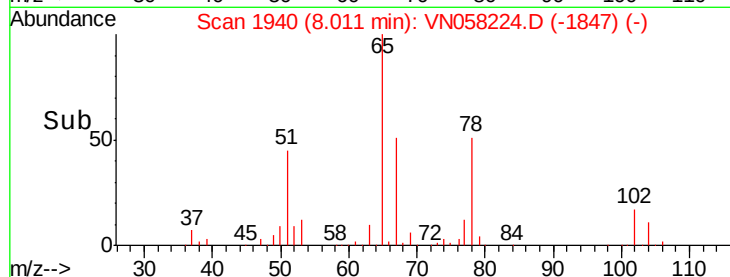
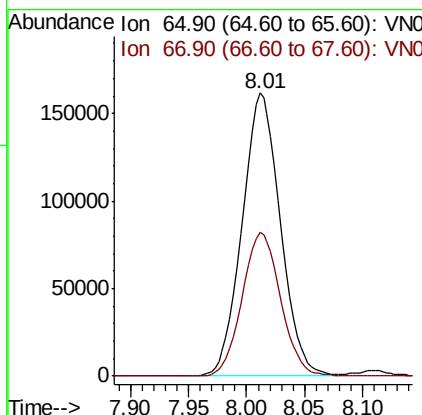
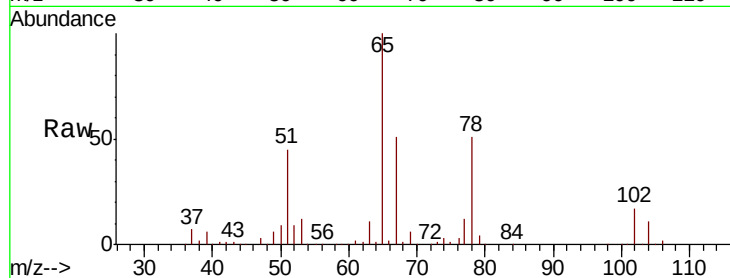




#33
 1,2-Dichloroethane-d4
 Concen: 54.723 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

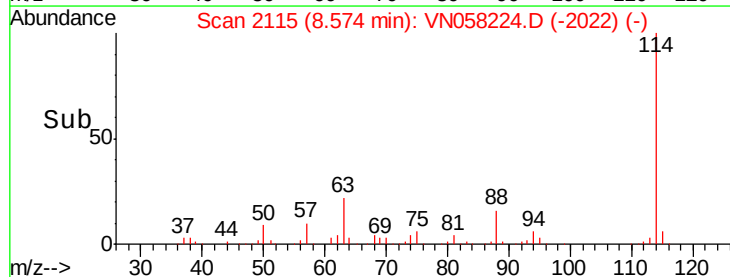
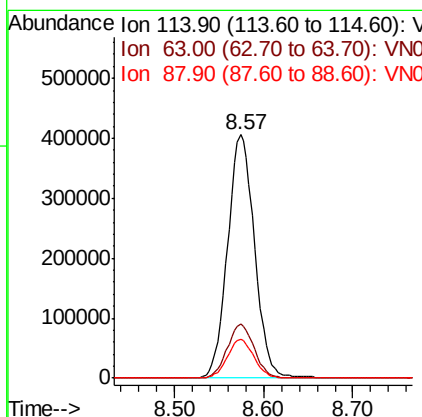
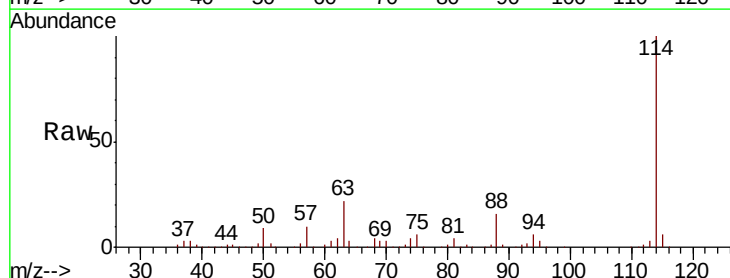
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

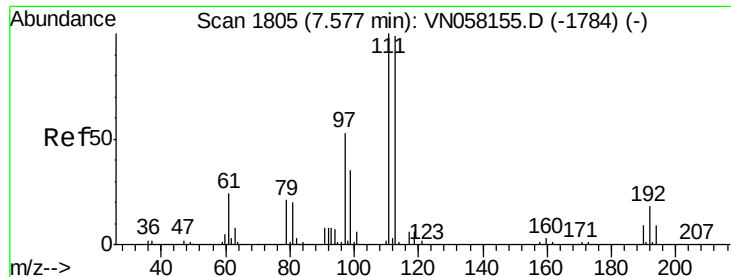
Tot Ion: 65 Resp: 371009
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 114 Resp: 849337
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.2
 88 16.0 0.0 31.6

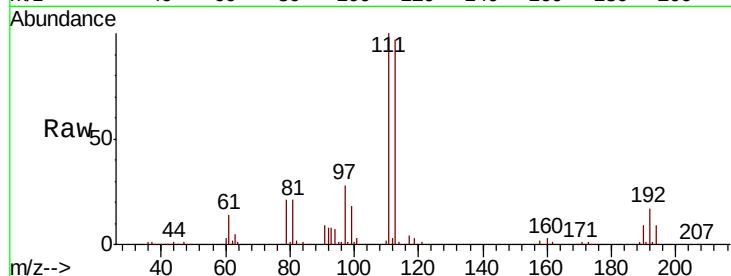




#35
 Dibromofluoromethane
 Concen: 51.013 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	18.5	14.5	21.7

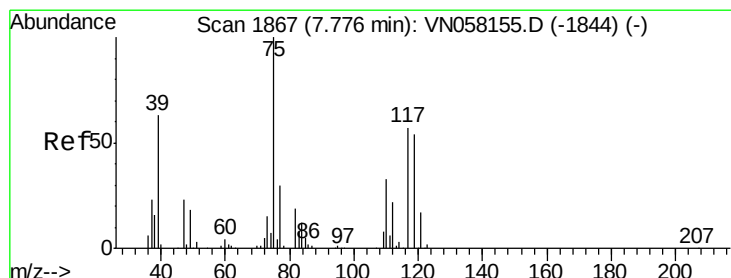
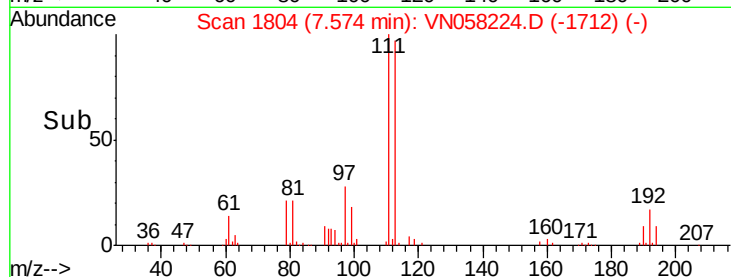
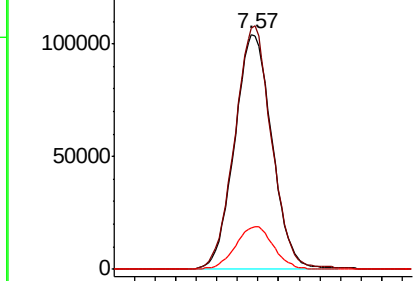


Abundance

Ion 112.80 (112.50 to 113.50): V

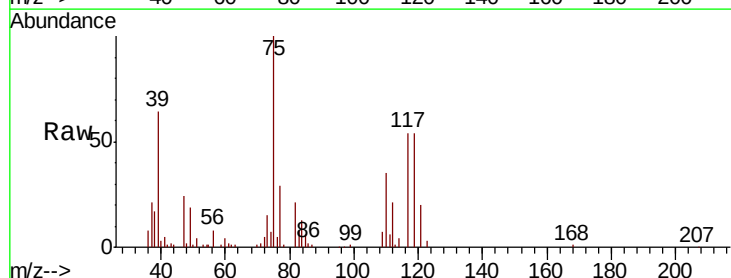
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 17.832 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.6	49.7
77	30.5	24.3	36.5

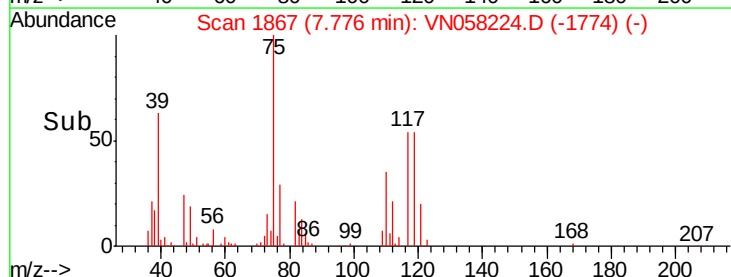
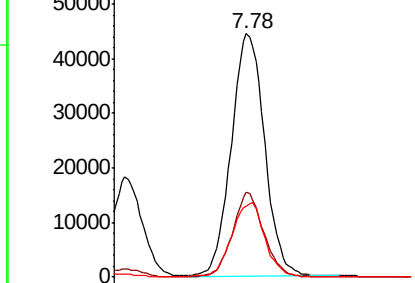


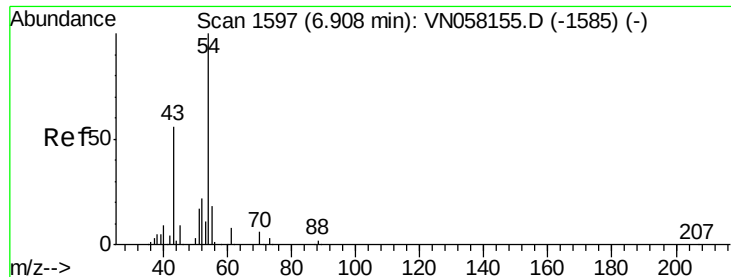
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

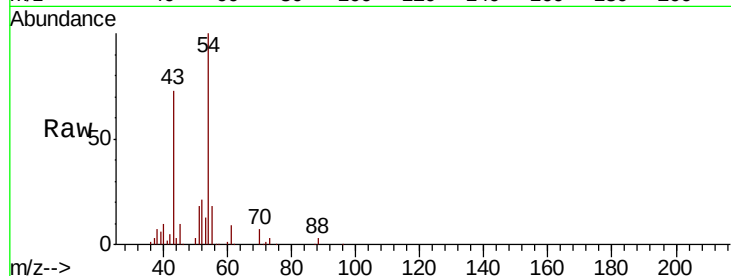




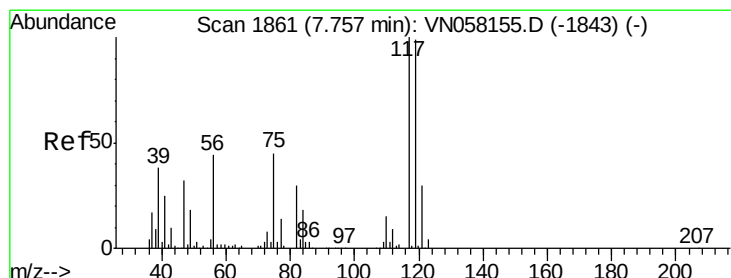
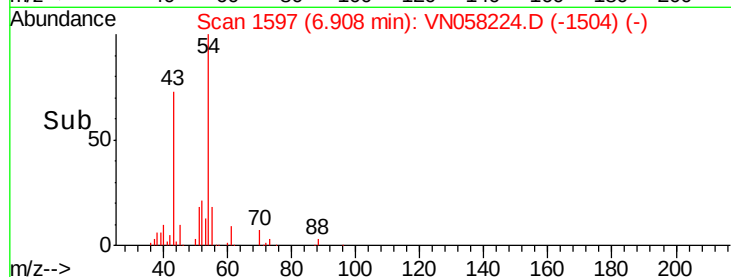
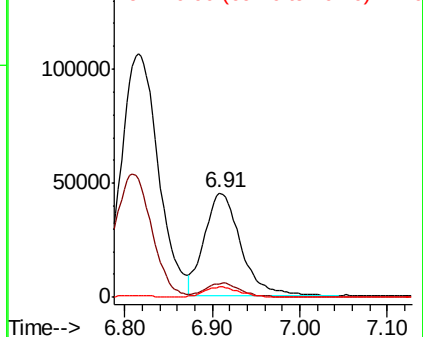
#37
Ethyl Acetate
Concen: 20.690 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

Tot Ion: 43 Resp: 131514
Ion Ratio Lower Upper
43 100
61 12.9 10.7 16.1
70 9.7 7.6 11.4

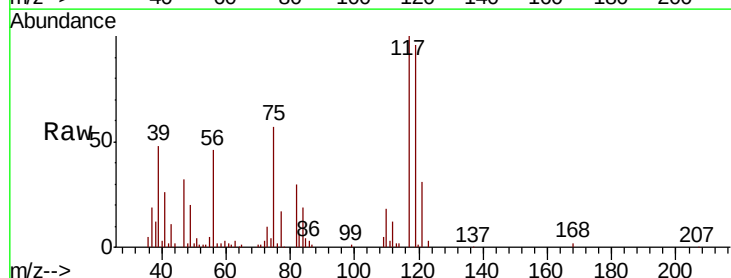


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

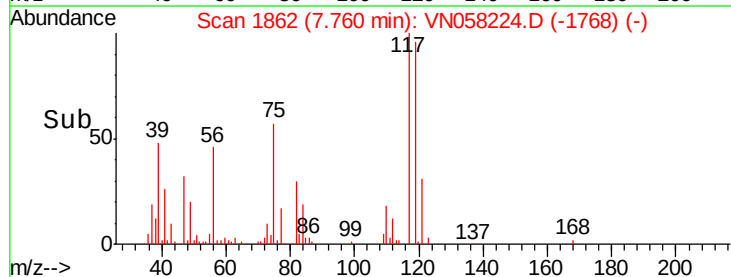
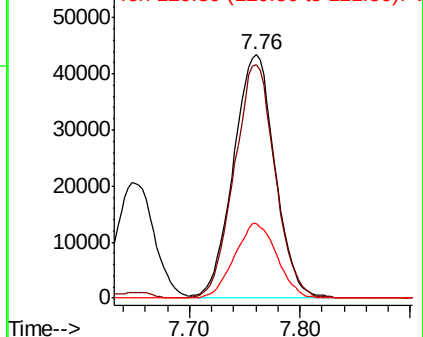


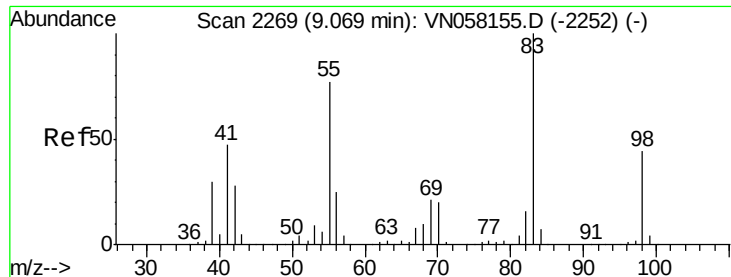
#38
Carbon Tetrachloride
Concen: 18.286 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 117 Resp: 112584
Ion Ratio Lower Upper
117 100
119 96.4 78.6 117.8
121 30.9 24.1 36.1



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

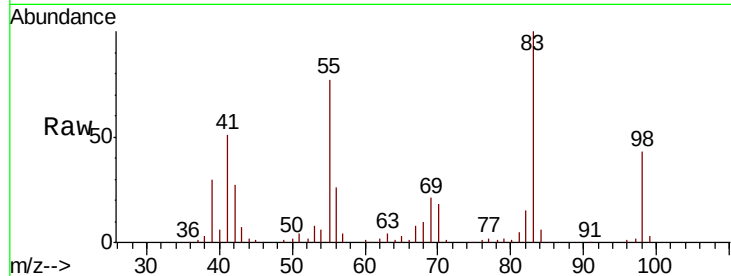




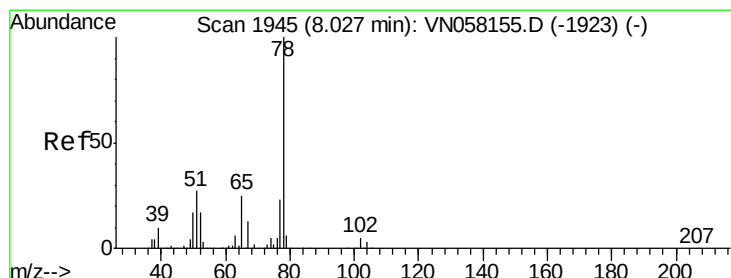
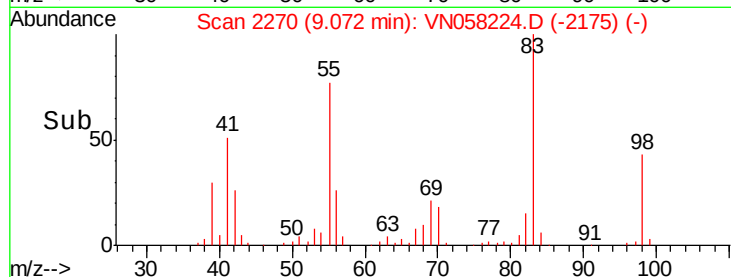
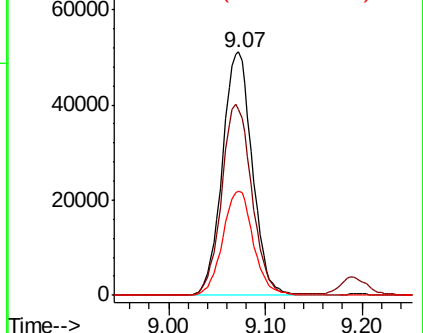
#39
Methylvlcyclohexane
Concen: 18.683 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion: 83 Resp: 110380
Ion Ratio Lower Upper
83 100
55 76.5 61.9 92.9
98 42.8 35.4 53.2

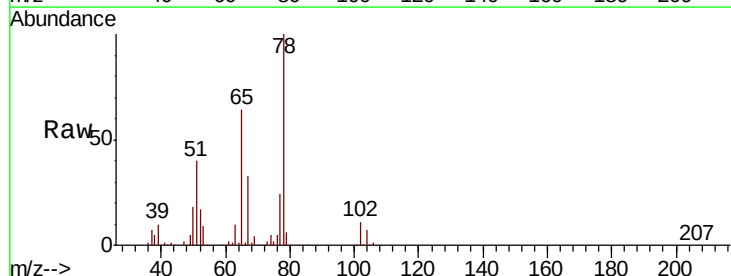


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

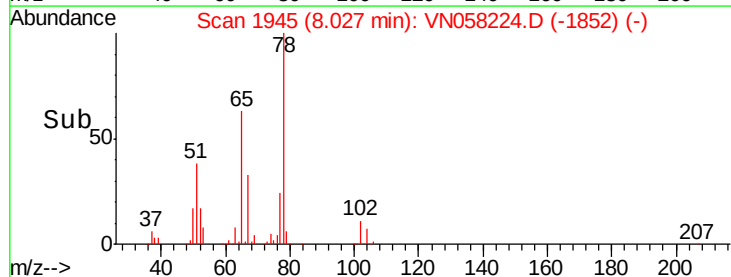
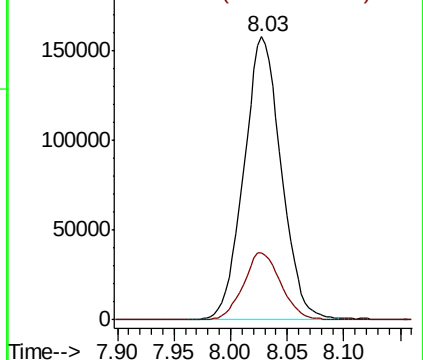


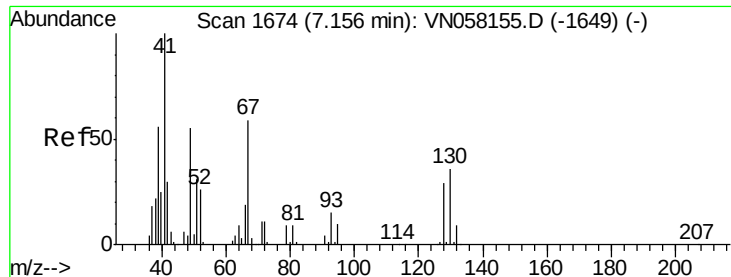
#40
Benzene
Concen: 19.375 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 78 Resp: 362456
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



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

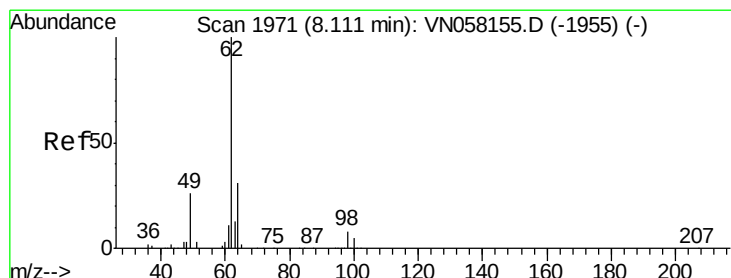
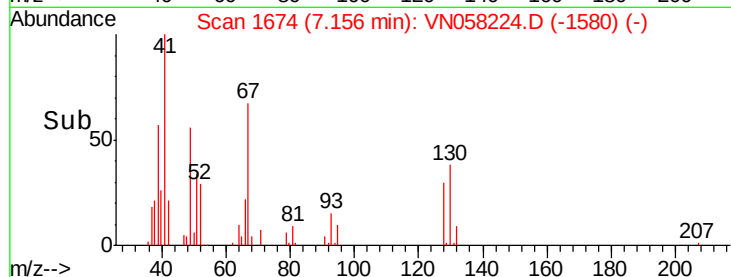
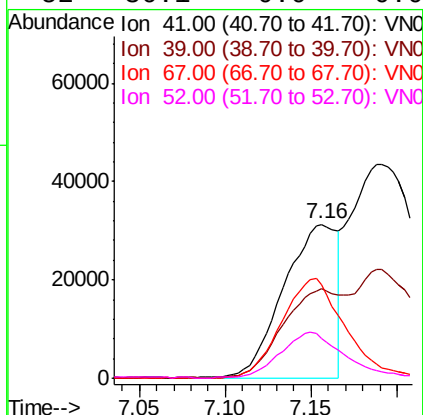
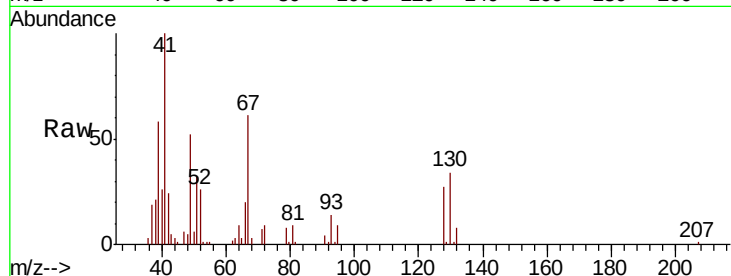




#41
Methacrylonitrile
Concen: 21.766 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

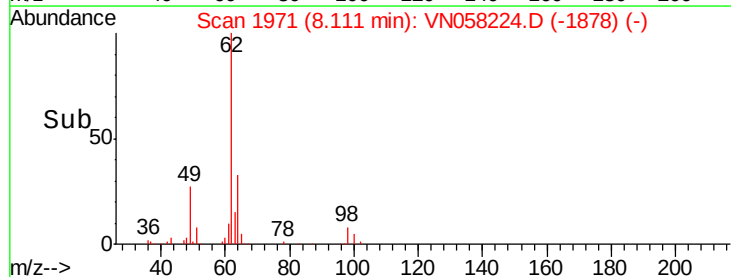
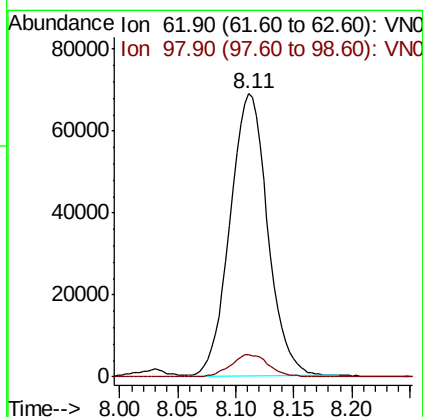
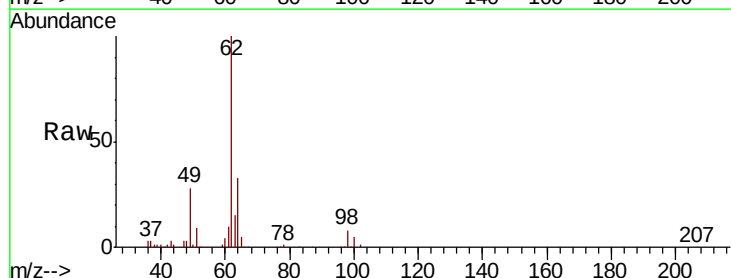
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

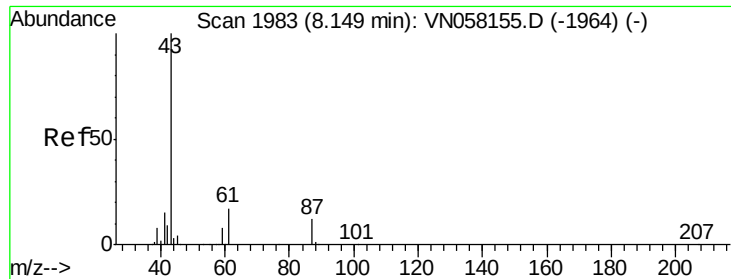
Tot Ion:	41	Resp:	68022
Ion	Ratio	Lower	Upper
41	100		
39	68.0	0.0	0.0#
67	77.6	0.0	0.0#
52	36.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.773 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion:	62	Resp:	155216
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 19.458 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleID :

VN0919WBSD02

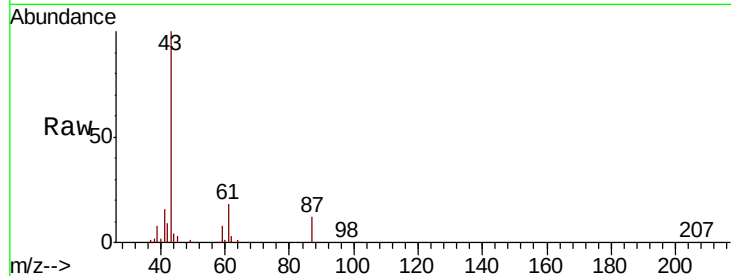
Tot Ion: 43 Resp: 230992

Ion Ratio Lower Upper

43 100

61 24.2 19.7 29.5

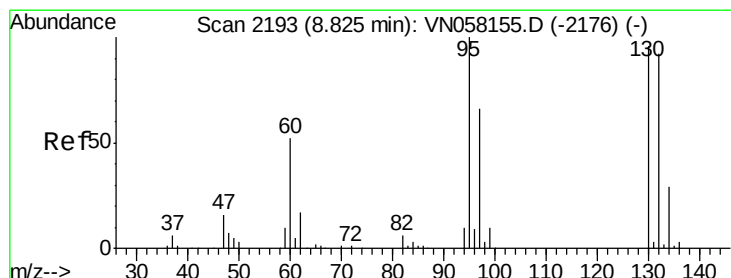
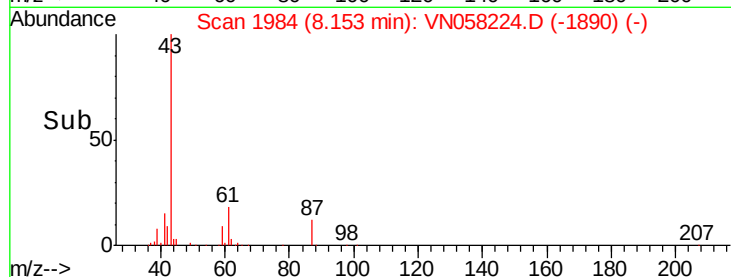
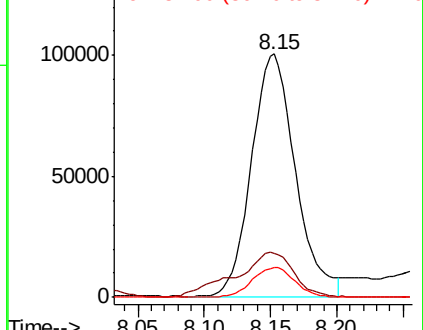
87 12.0 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.459 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058224.D

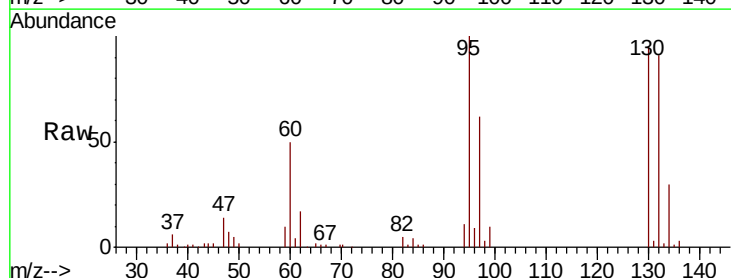
Acq: 19 Sep 2019 22:56

Tgt Ion:130 Resp: 89083

Ion Ratio Lower Upper

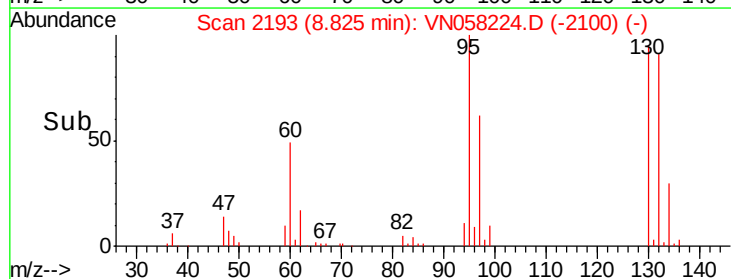
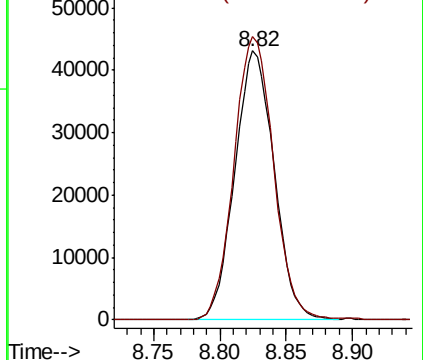
130 100

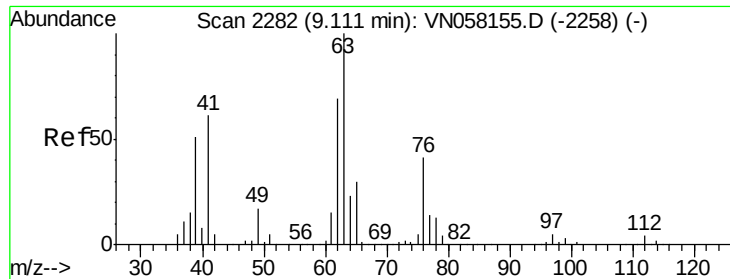
95 105.1 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

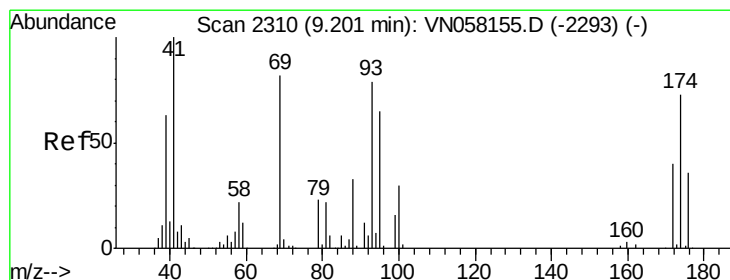
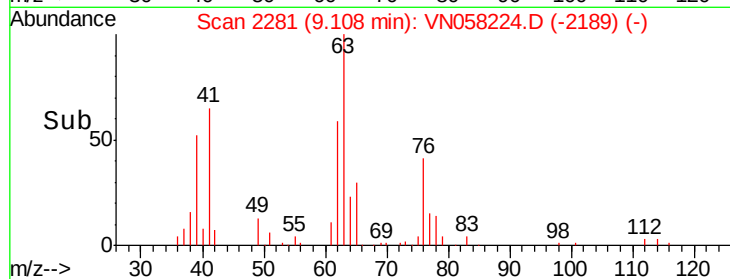
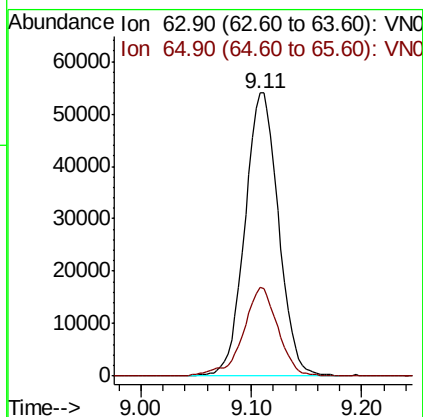
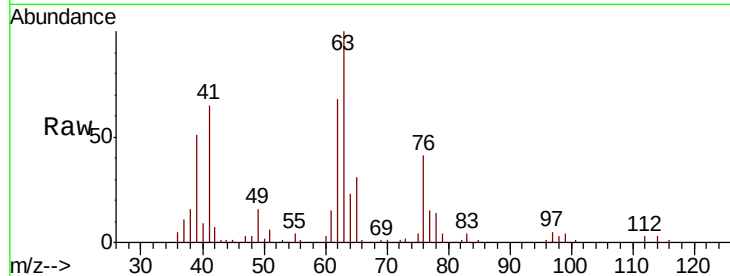




#45
 1,2-Dichloropropane
 Concen: 20.434 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

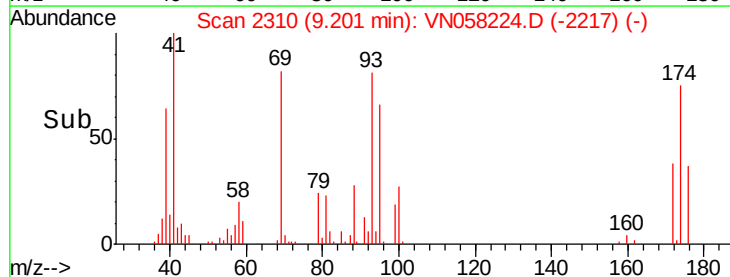
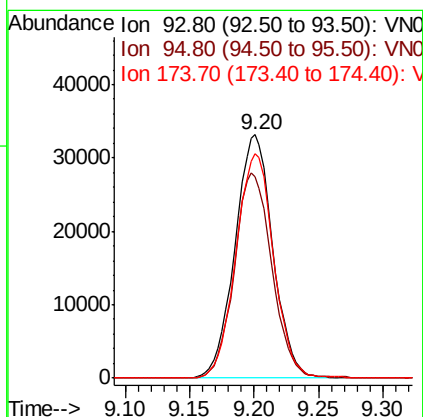
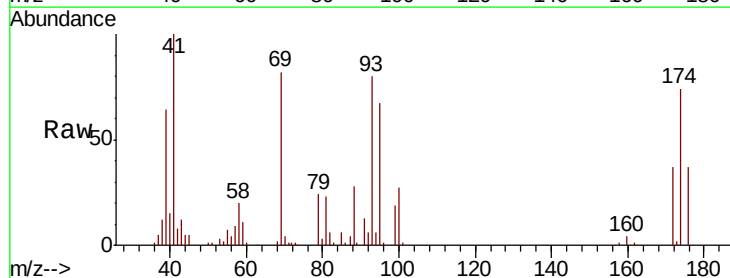
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

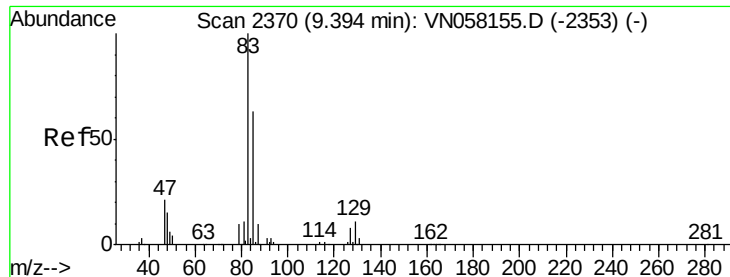
Tot Ion: 63 Resp: 114162
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.6



#46
 Dibromomethane
 Concen: 19.919 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 93 Resp: 67658
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 91.8 73.8 110.8





#47

Bromodichloromethane

Concen: 19.668 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

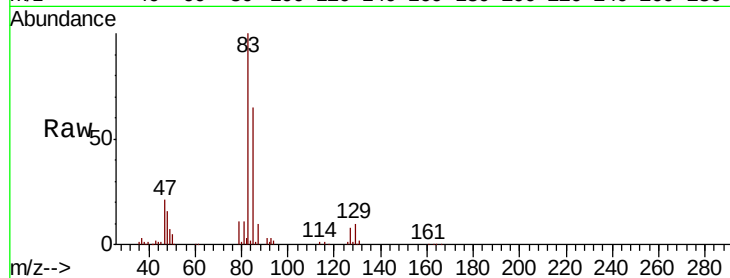
Tot Ion: 83 Resp: 139960

Ion Ratio Lower Upper

83 100

85 64.7 50.1 75.1

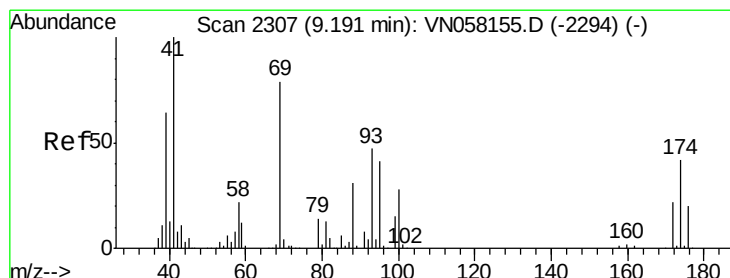
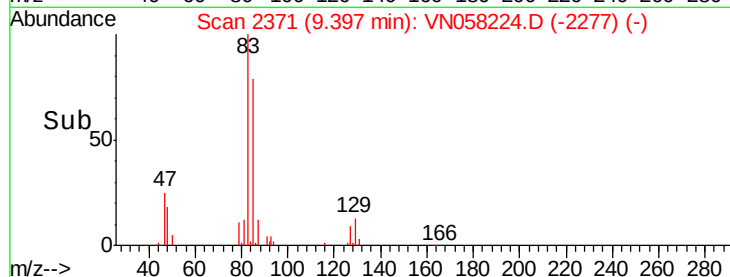
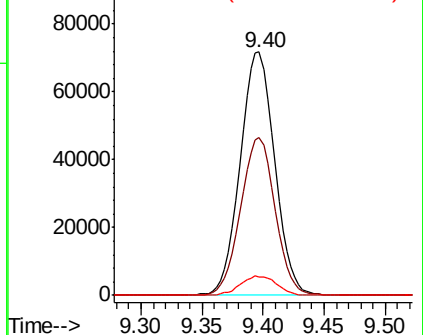
127 7.7 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.013 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

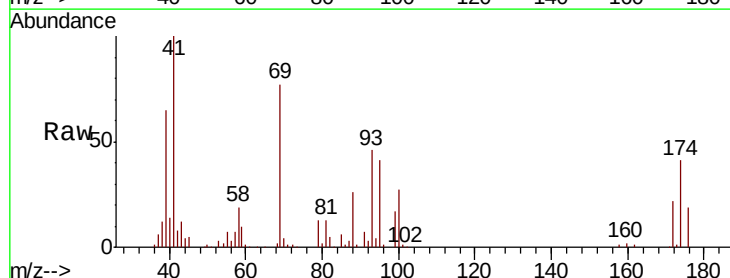
Tgt Ion: 41 Resp: 107869

Ion Ratio Lower Upper

41 100

69 79.8 62.5 93.7

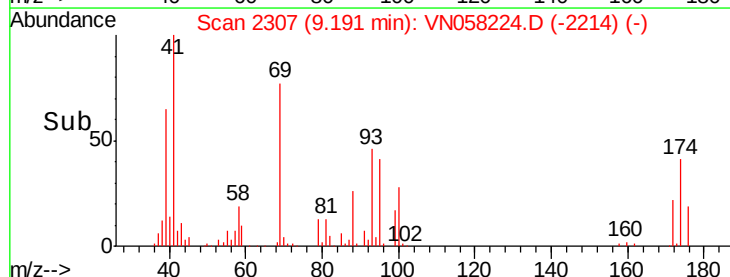
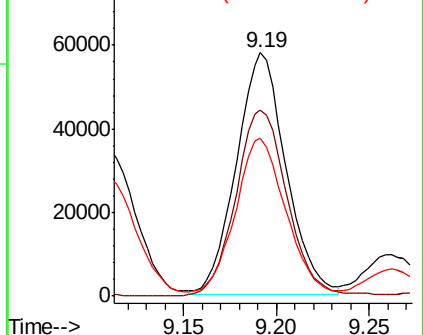
39 66.1 52.3 78.5

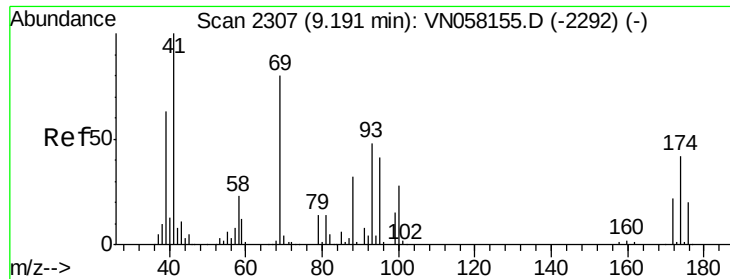


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

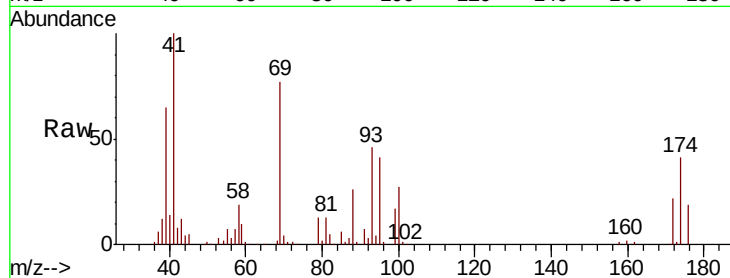




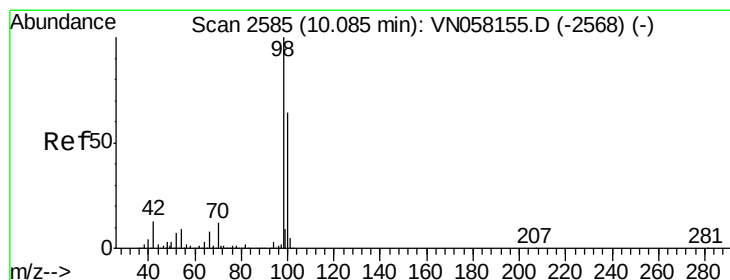
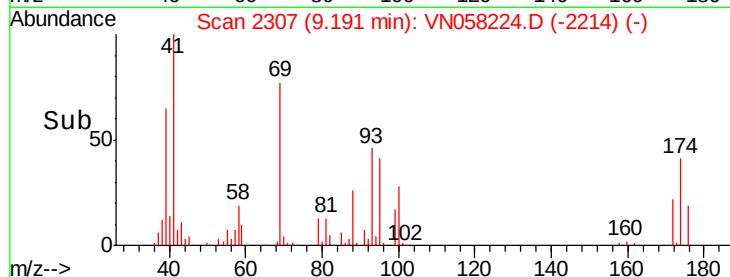
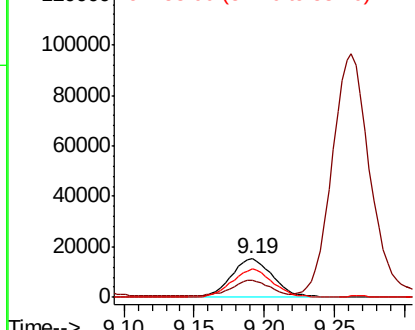
#49
 1,4-Dioxane
 Concen: 359.684 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion: 88 Resp: 31830
 Ion Ratio Lower Upper
 88 100
 43 37.3 27.8 41.8
 58 70.9 55.0 82.4

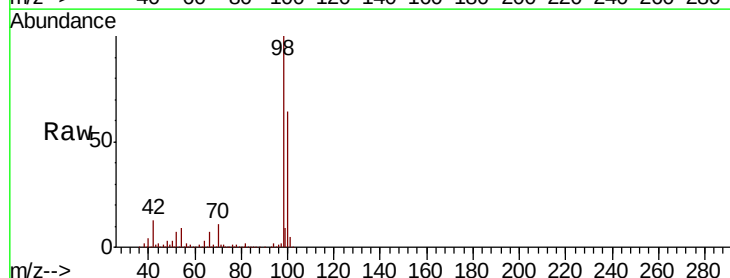


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

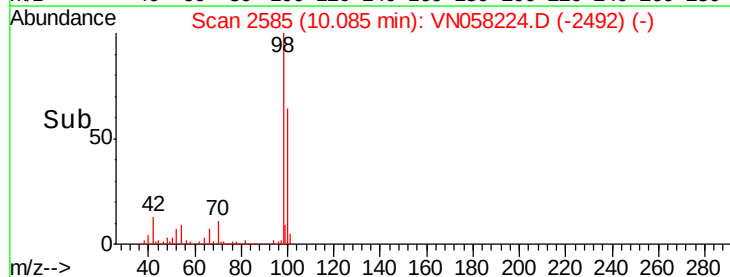
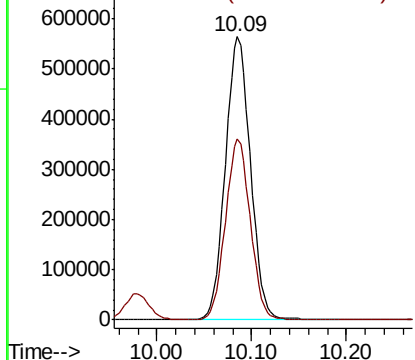


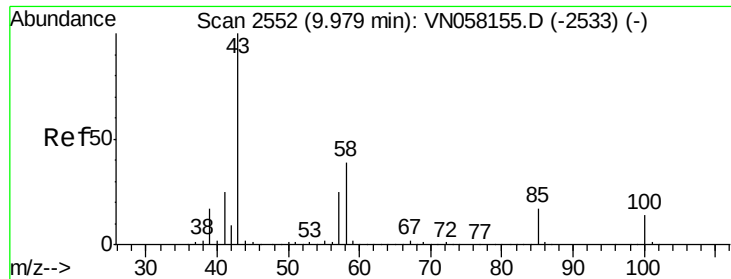
#50
 Toluene-d8
 Concen: 51.640 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 98 Resp: 1038854
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 113.797 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

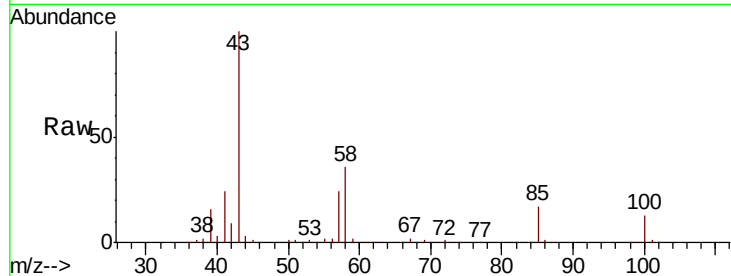
VN0919WBSD02

Tot Ion: 43 Resp: 717545

Ion Ratio Lower Upper

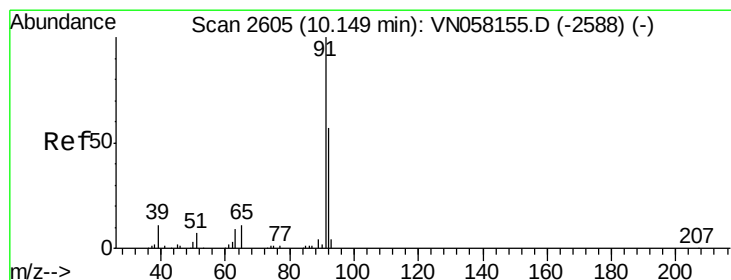
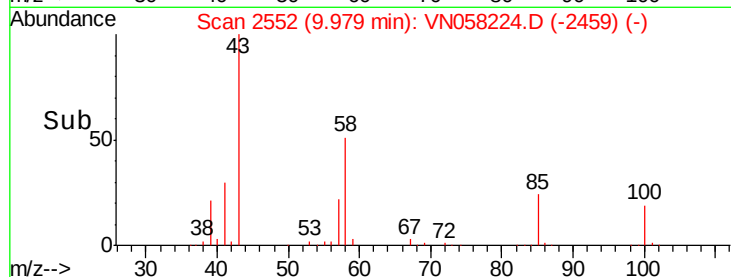
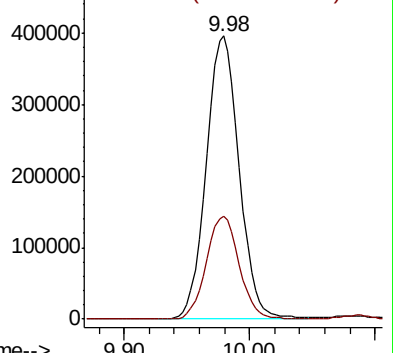
43 100

58 36.7 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: 19.612 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058224.D

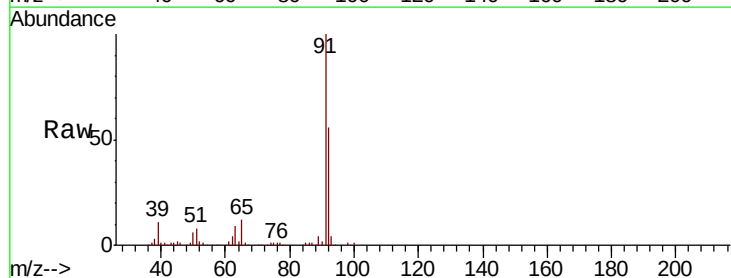
Acq: 19 Sep 2019 22:56

Tgt Ion: 92 Resp: 229944

Ion Ratio Lower Upper

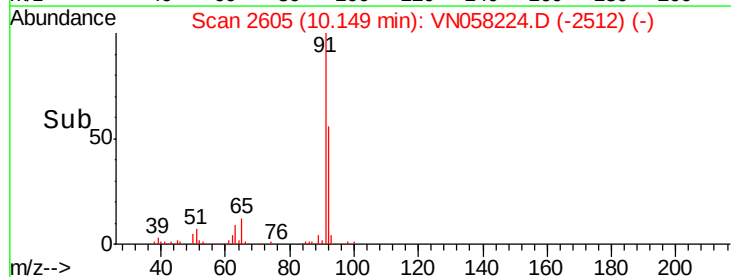
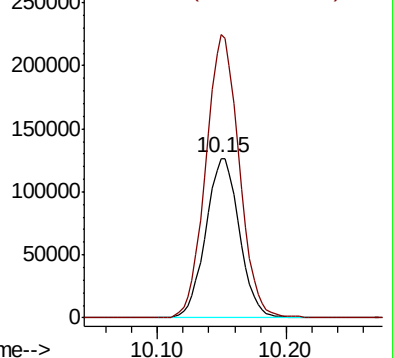
92 100

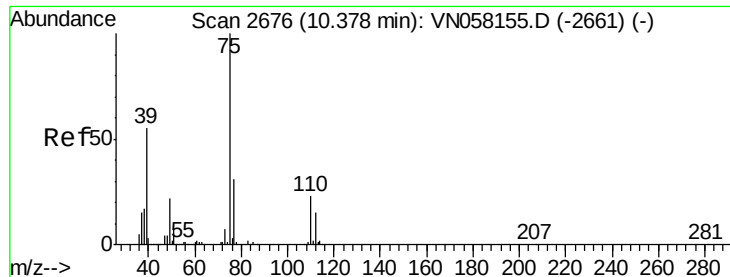
91 176.1 140.2 210.2



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: 18.934 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

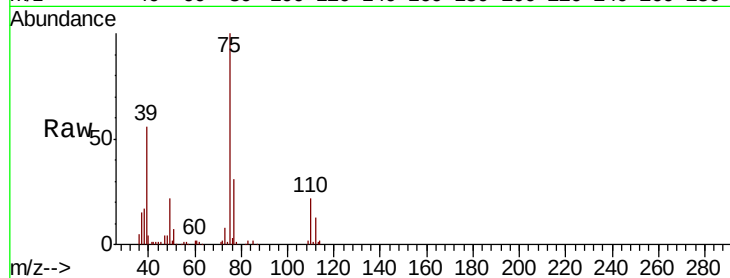
VN0919WBSD02

Tot Ion: 75 Resp: 138017

Ion Ratio Lower Upper

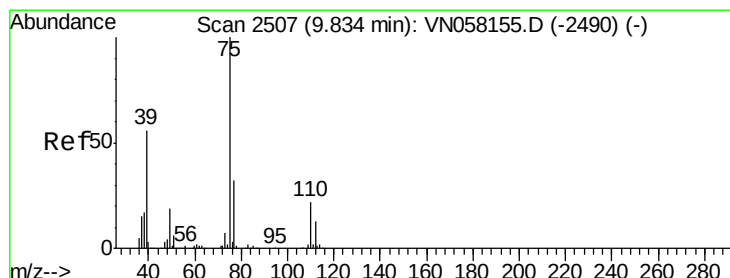
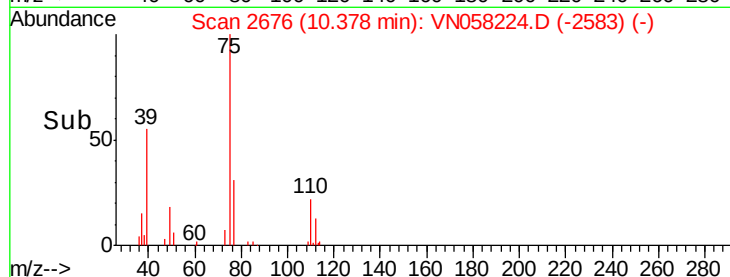
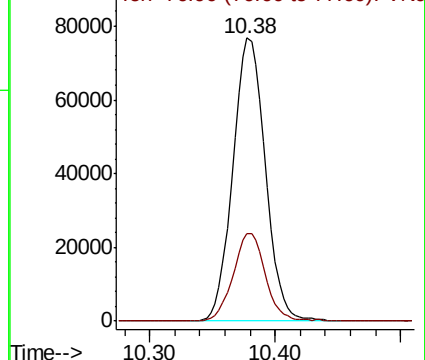
75 100

77 31.1 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: 19.192 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

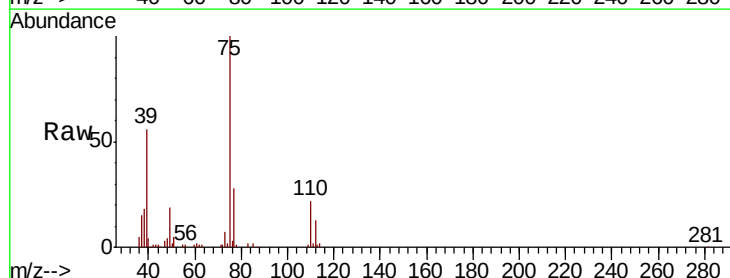
Tgt Ion: 75 Resp: 154457

Ion Ratio Lower Upper

75 100

77 28.3 25.4 38.0

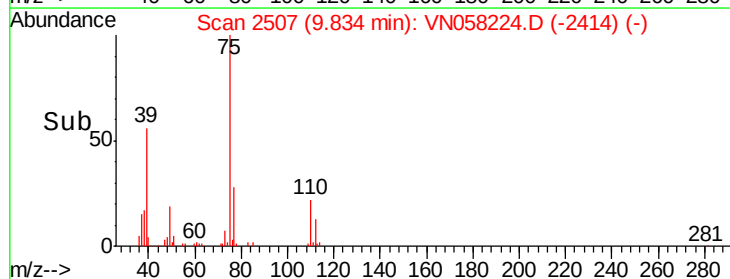
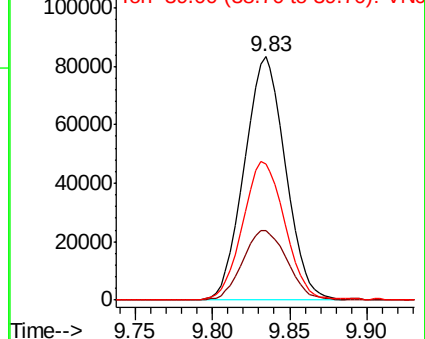
39 56.1 45.0 67.6

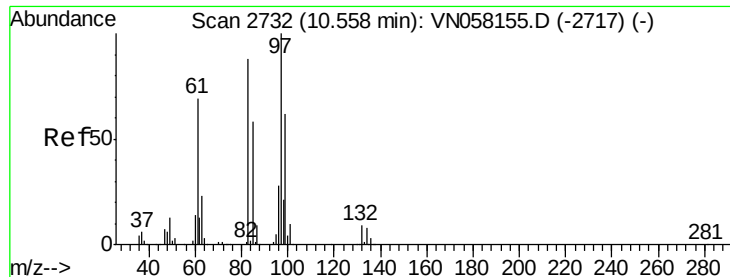


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.836 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

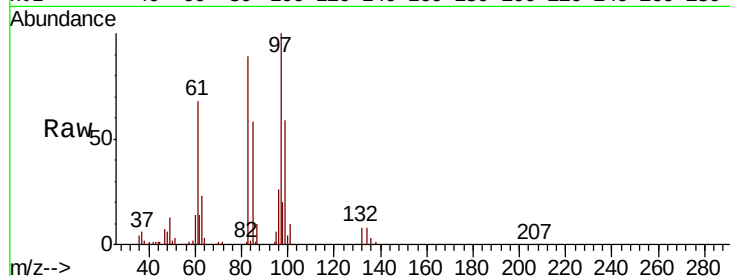
MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 97 Resp: 108410

Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.4	105.6
85	58.5	46.8	70.2
99	59.4	49.9	74.9

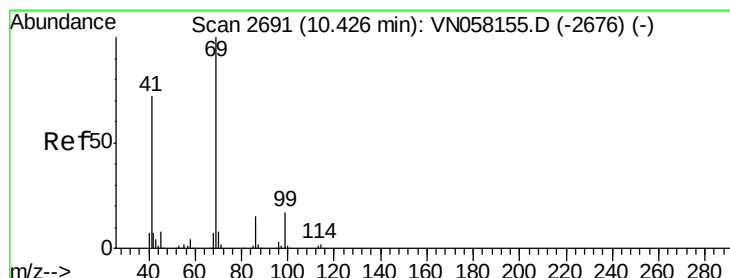
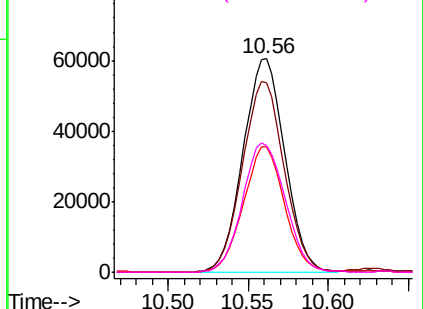
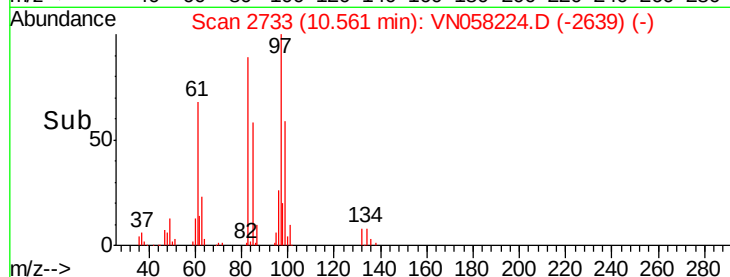


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.379 ug/l

RT: 10.43 min Scan# 2691

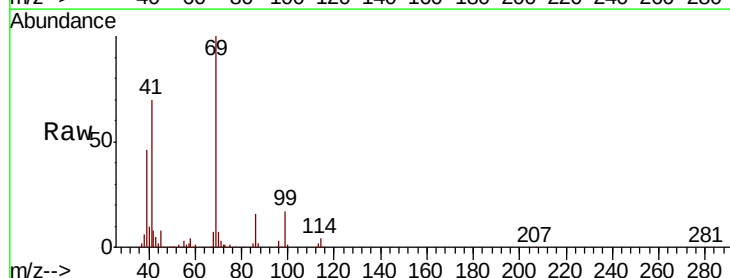
Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion: 69 Resp: 160496

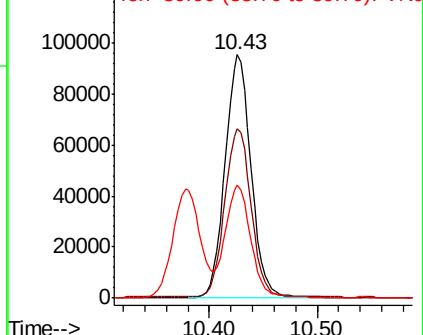
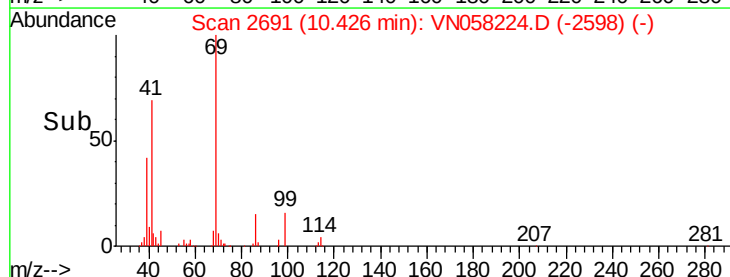
Ion	Ratio	Lower	Upper
69	100		
41	69.5	57.5	86.3
39	45.3	36.1	54.1

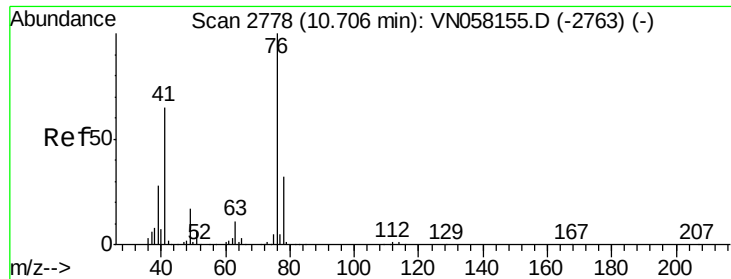


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.486 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

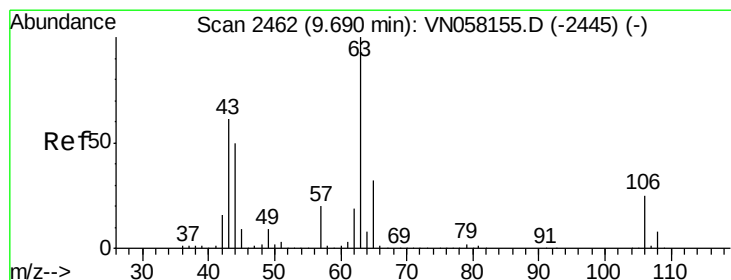
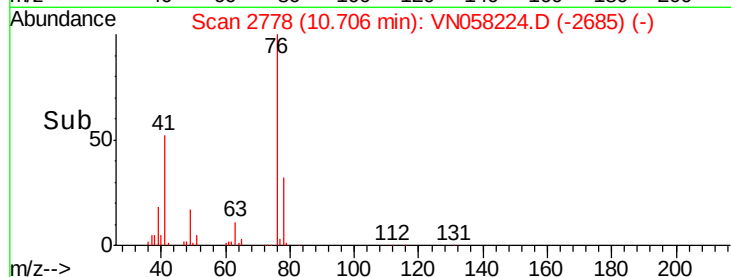
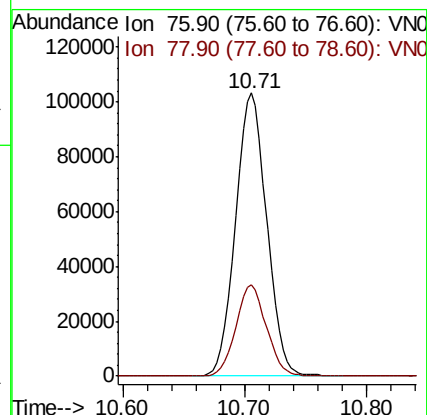
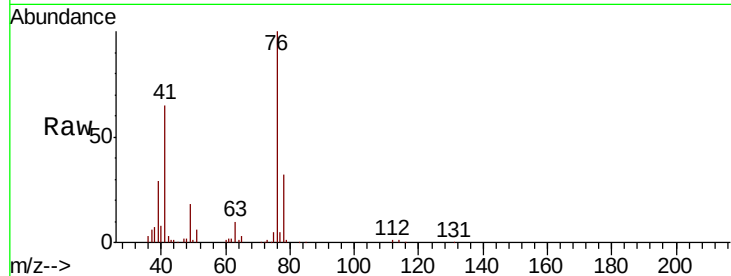
VN0919WBSD02

Tot Ion: 76 Resp: 183240

Ion Ratio Lower Upper

76 100

78 31.6 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 112.417 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058224.D

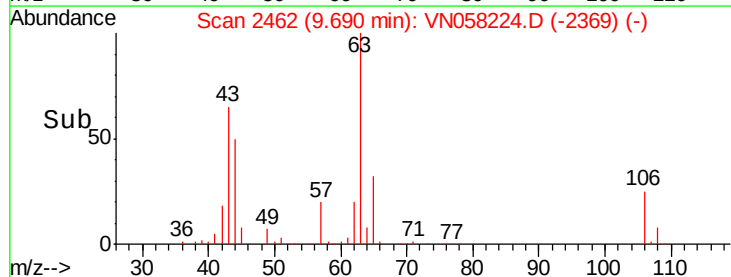
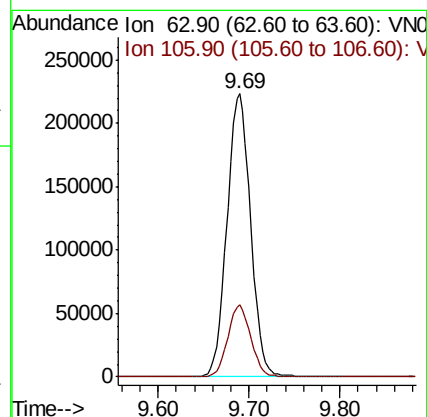
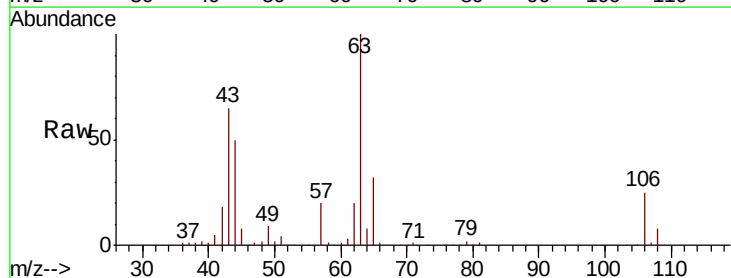
Acq: 19 Sep 2019 22:56

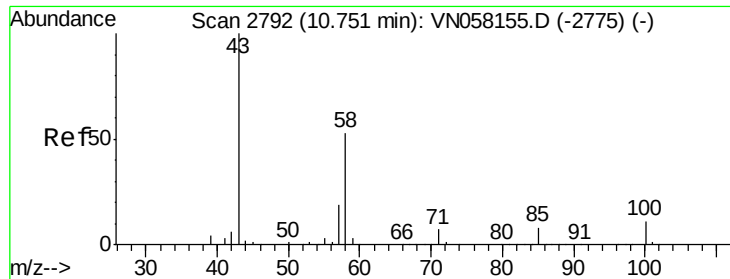
Tgt Ion: 63 Resp: 401981

Ion Ratio Lower Upper

63 100

106 24.8 19.9 29.9

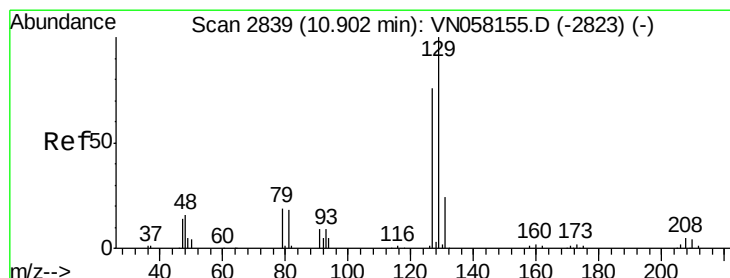
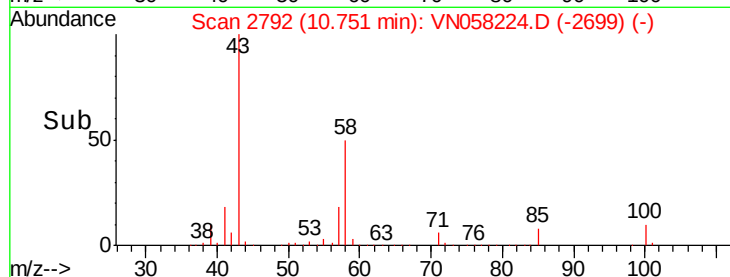
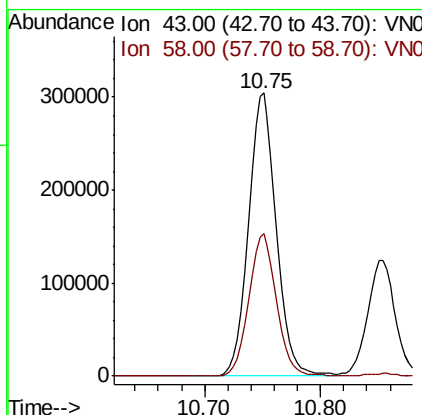
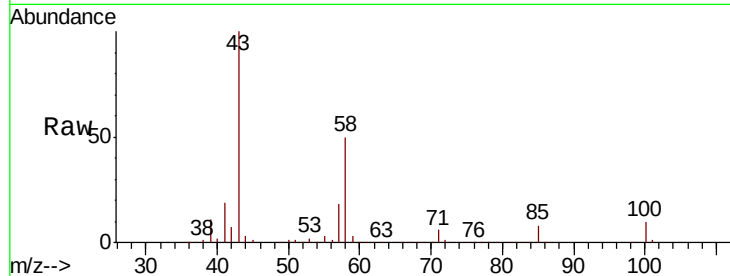




#59
2-Hexanone
Concen: 108.157 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

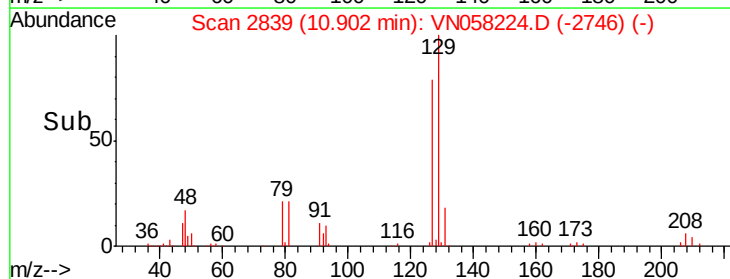
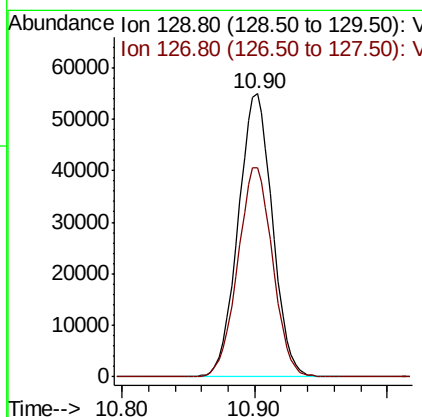
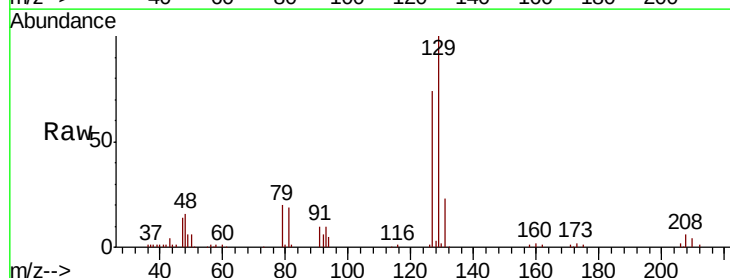
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

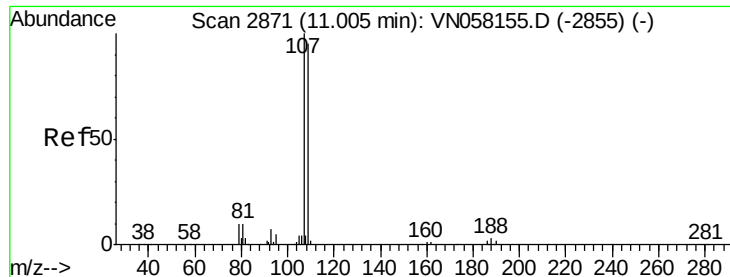
Tot Ion: 43 Resp: 506503
Ion Ratio Lower Upper
43 100
58 50.5 26.0 78.0



#60
Dibromochloromethane
Concen: 19.645 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 129 Resp: 98333
Ion Ratio Lower Upper
129 100
127 75.3 38.7 116.1

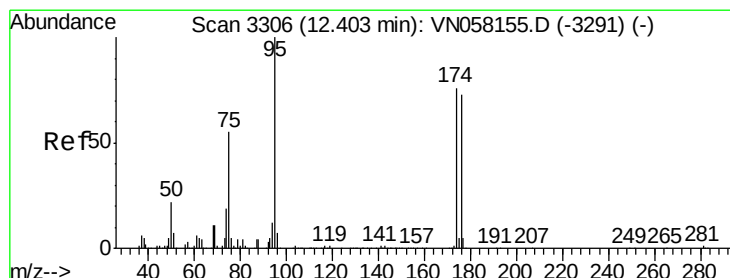
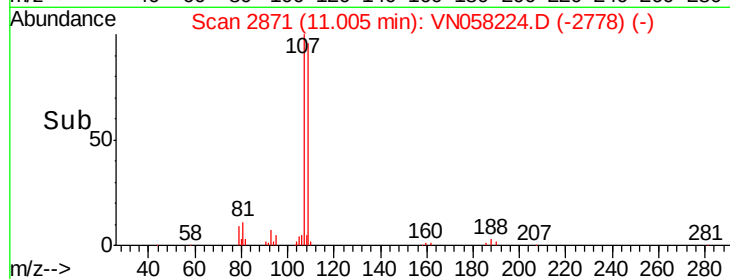
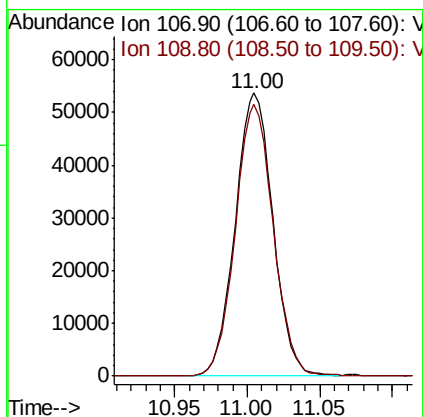
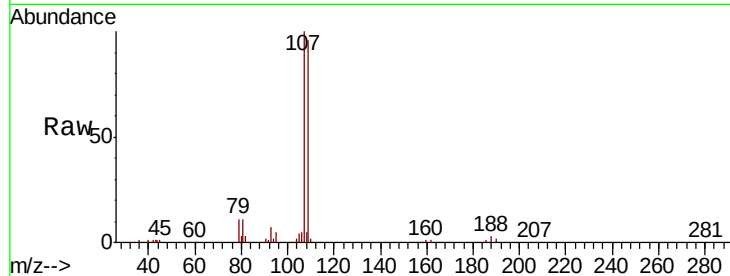




#61
 1,2-Dibromoethane
 Concen: 20.170 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

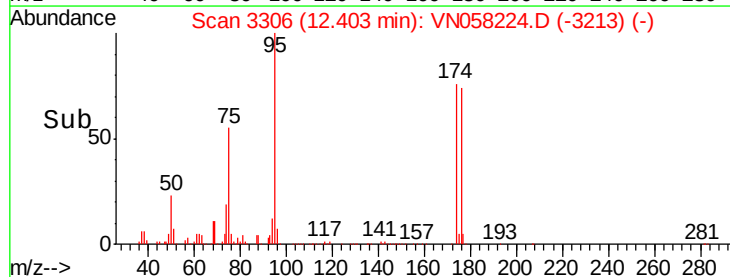
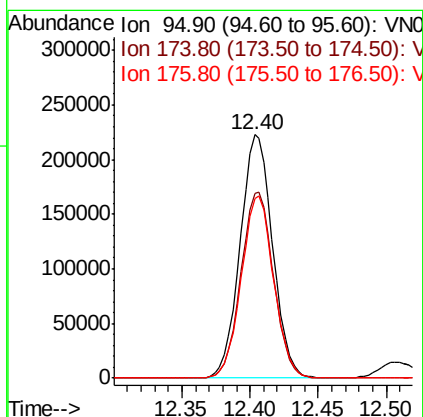
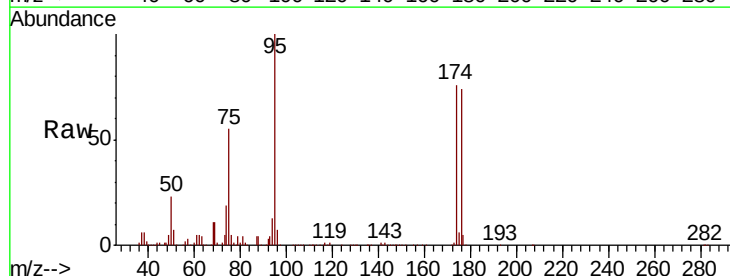
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

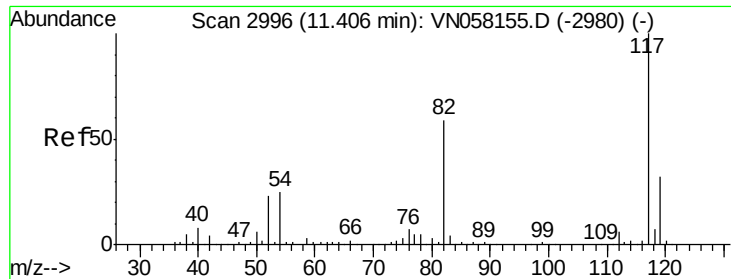
Tot Ion: 107 Resp: 97258
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.237 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 95 Resp: 367940
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 152.2
 176 74.7 0.0 148.0

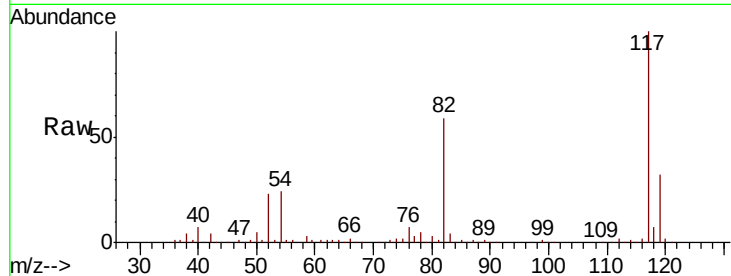




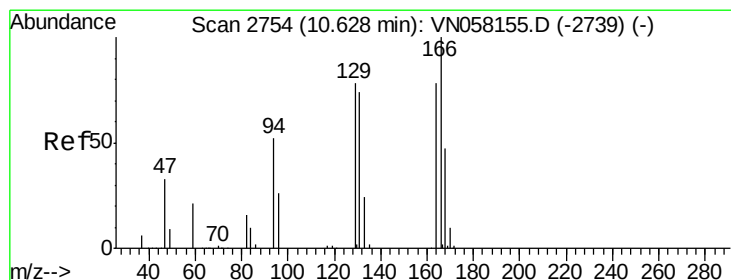
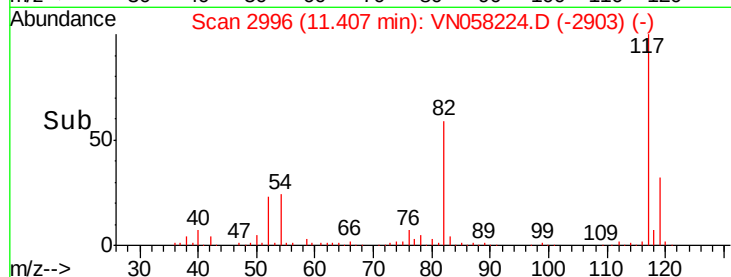
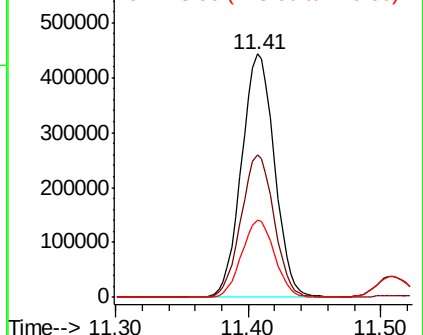
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion:117 Resp: 765417
Ion Ratio Lower Upper
117 100
82 58.6 46.9 70.3
119 31.5 25.3 37.9



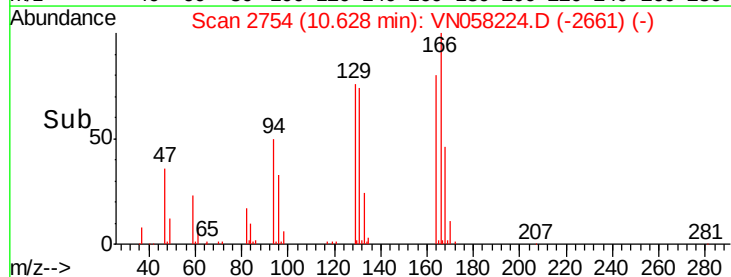
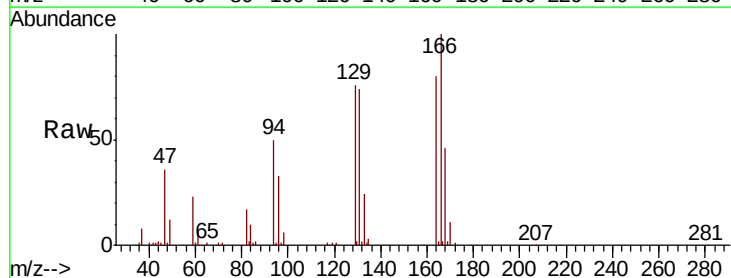
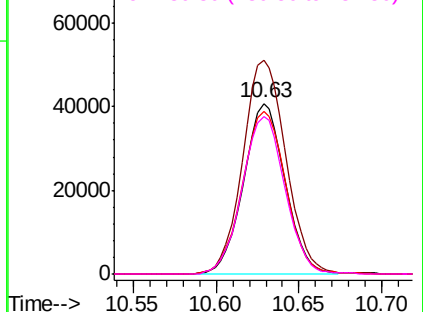
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

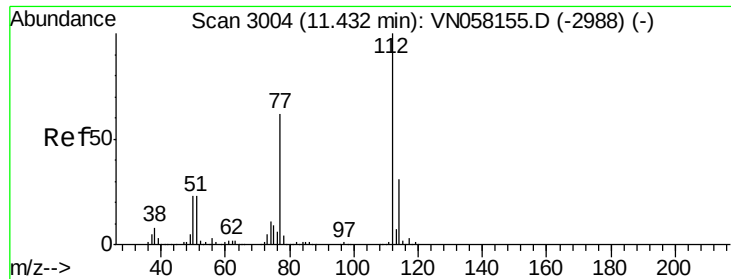


#64
Tetrachloroethene
Concen: 18.989 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion:164 Resp: 70852
Ion Ratio Lower Upper
164 100
166 125.1 102.2 153.4
129 95.5 79.6 119.4
131 92.4 76.0 114.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

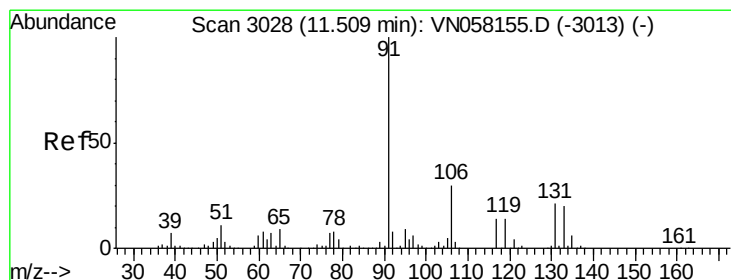
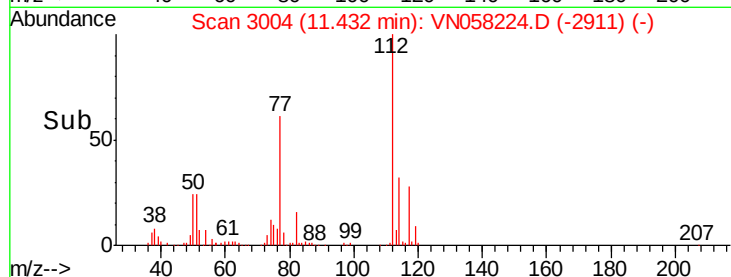
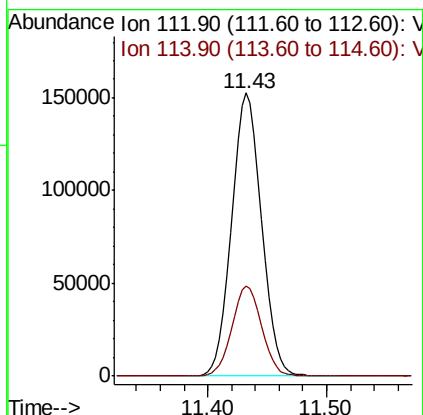
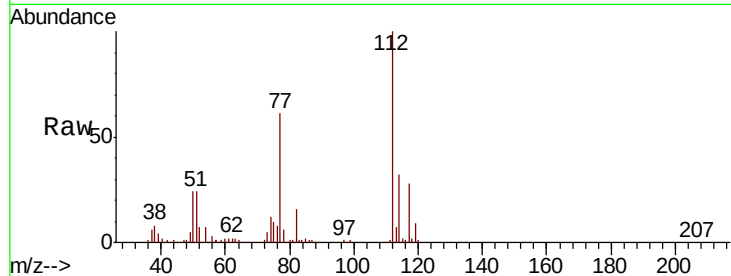




#65
Chlorobenzene
Concen: 19.731 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

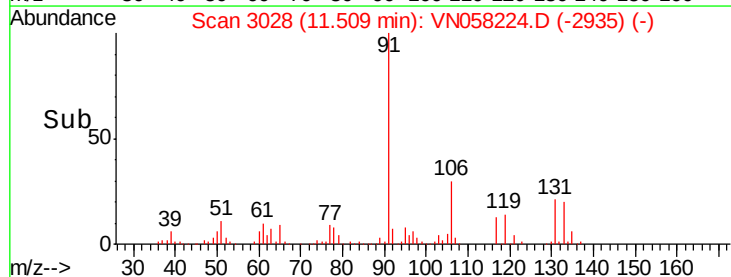
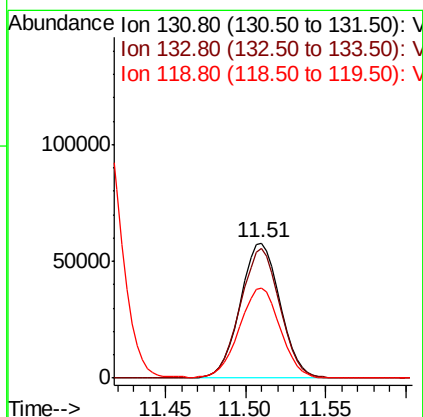
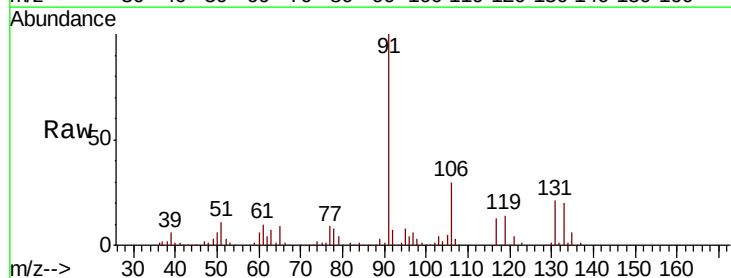
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

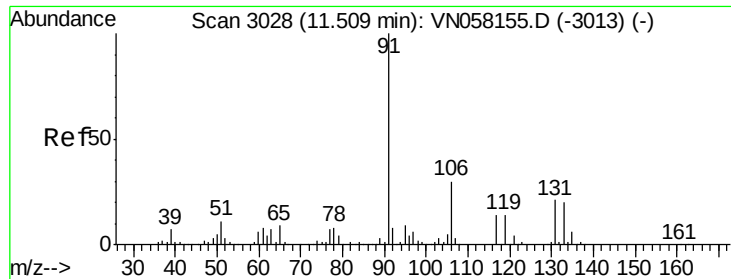
Tot Ion:112 Resp: 265641
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.270 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion:131 Resp: 98953
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 68.2 33.1 99.3

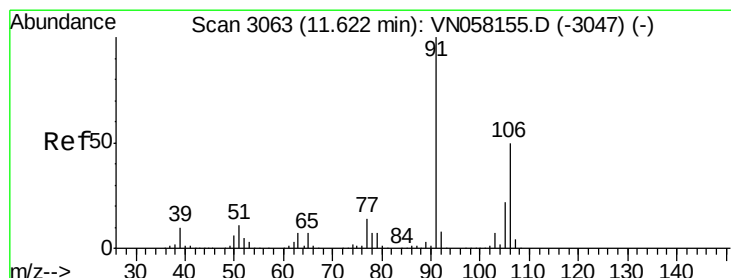
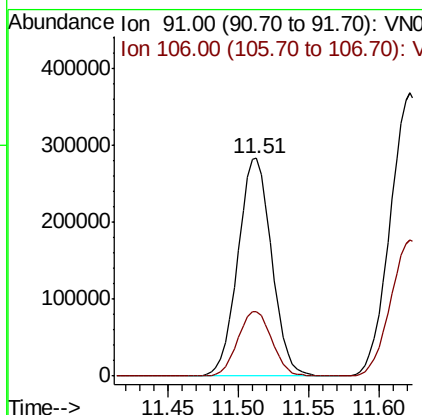
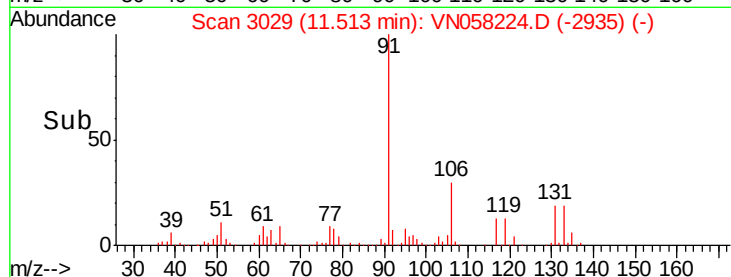
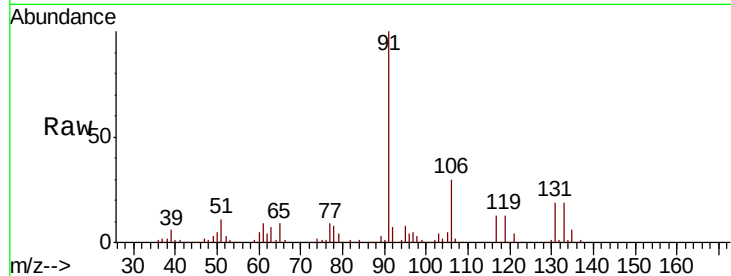




#67
Ethyl Benzene
Concen: 20.545 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

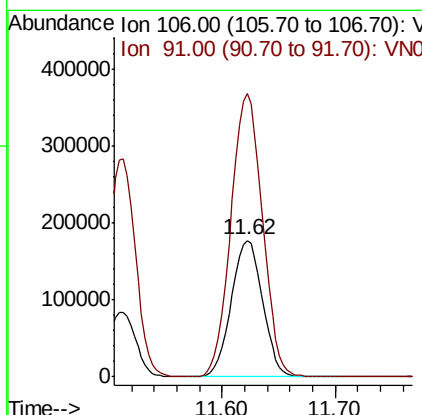
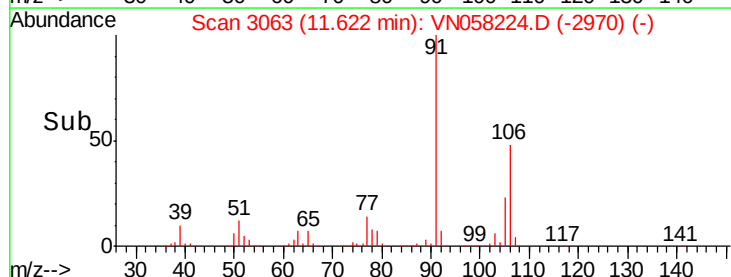
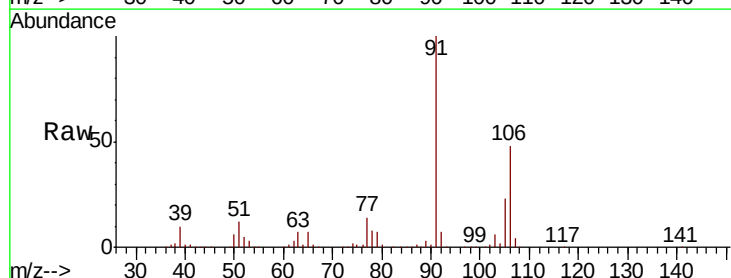
Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

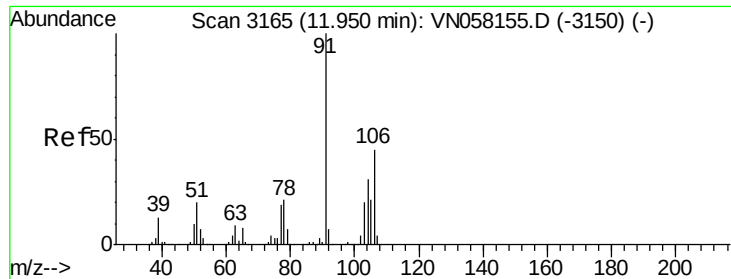
Tot Ion: 91 Resp: 473950
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0



#68
m/p-Xylenes
Concen: 39.454 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 106 Resp: 342791
Ion Ratio Lower Upper
106 100
91 208.1 163.6 245.4

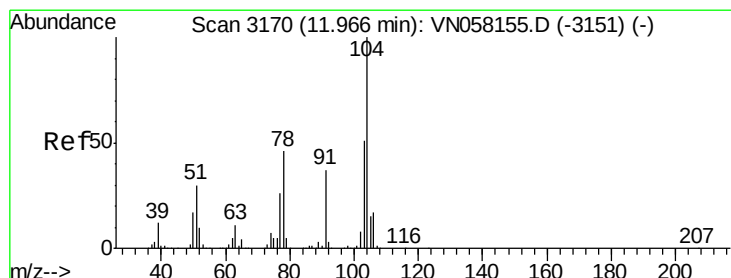
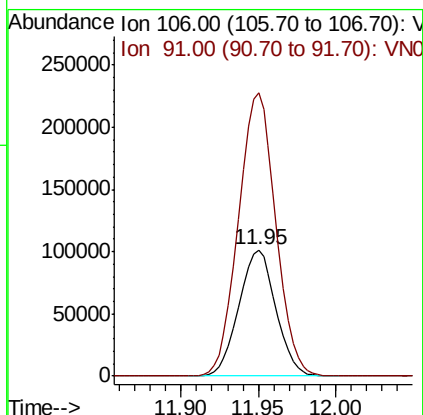
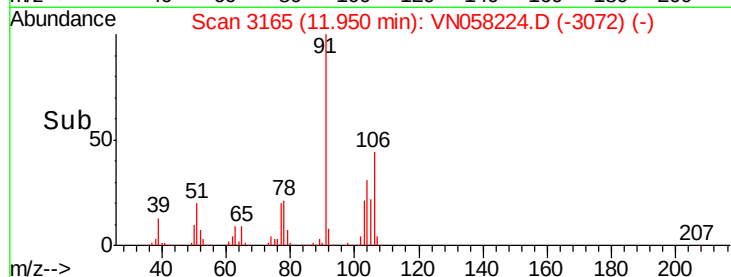
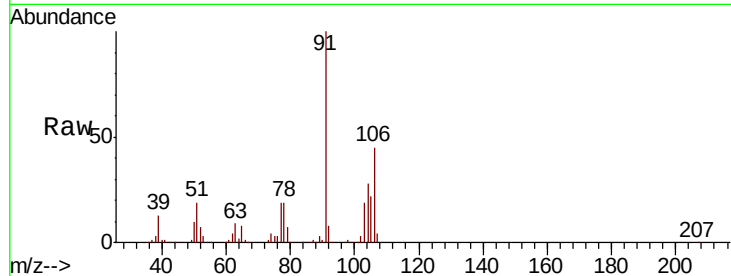




#69
o-Xylene
Concen: 19.730 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

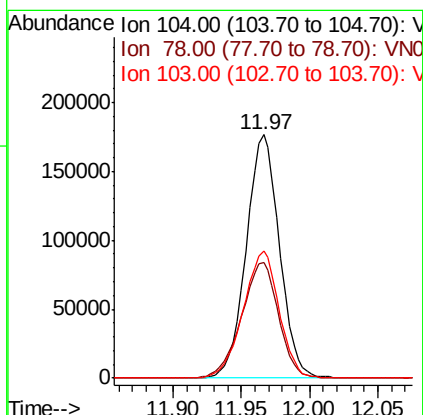
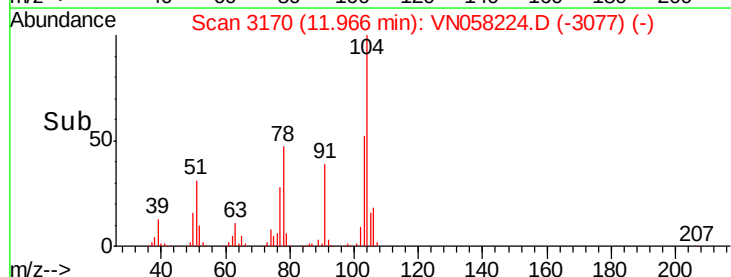
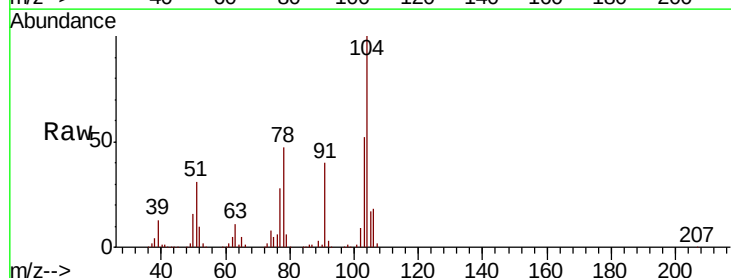
Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

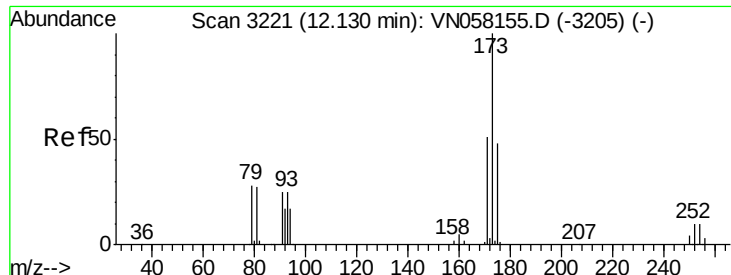
Tot Ion:106 Resp: 168560
Ion Ratio Lower Upper
106 100
91 226.5 111.8 335.3



#70
Styrene
Concen: 20.280 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion:104 Resp: 298518
Ion Ratio Lower Upper
104 100
78 53.1 41.8 62.8
103 56.3 44.2 66.2

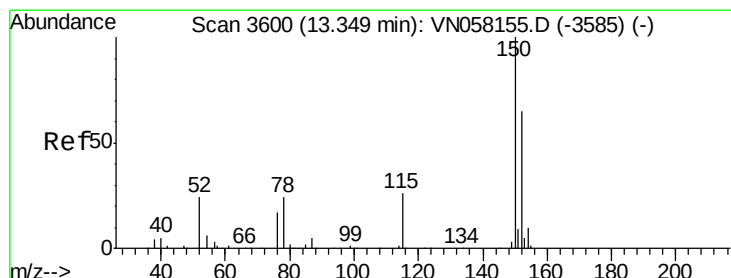
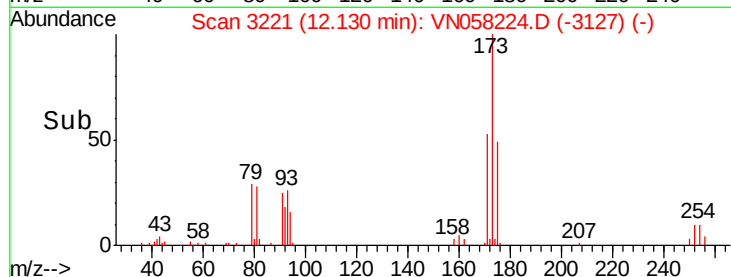
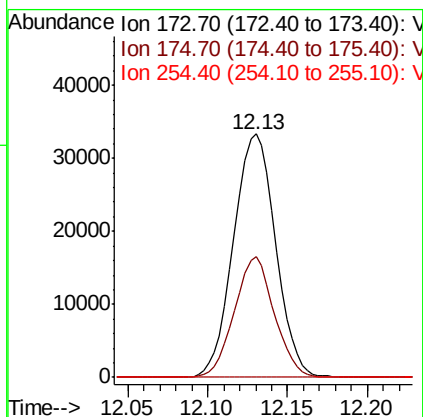
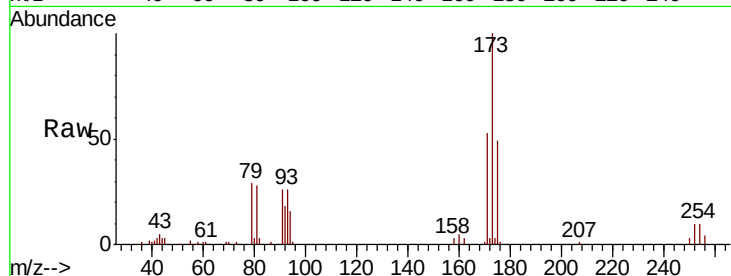




#71
Bromoform
Concen: 18.910 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

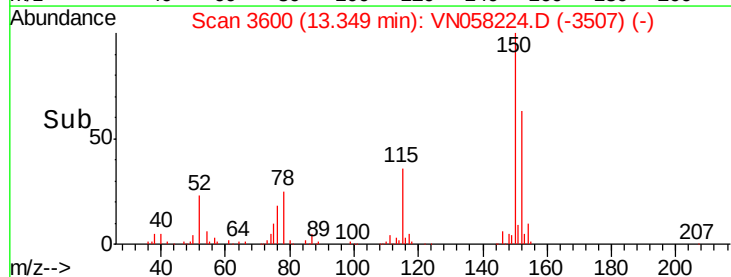
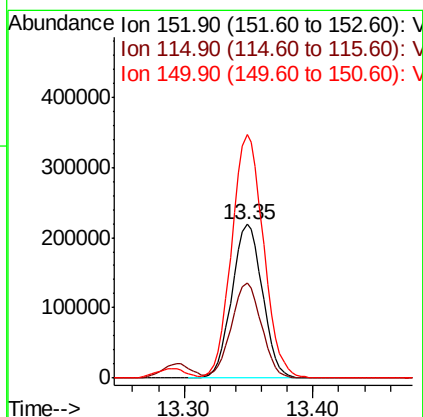
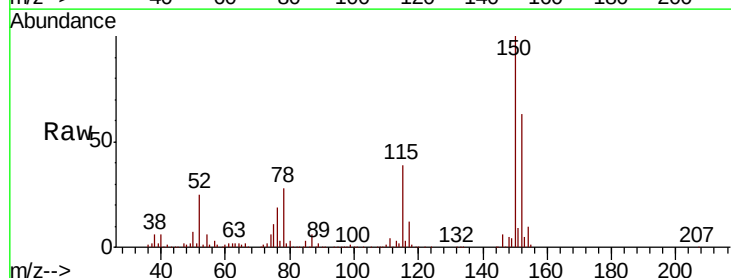
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

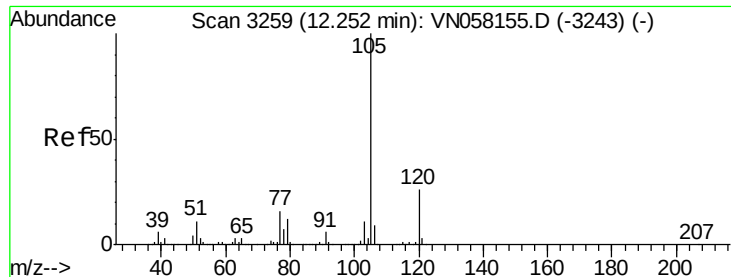
Tot Ion:173 Resp: 59725
Ion Ratio Lower Upper
173 100
175 46.8 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion:152 Resp: 361176
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 163.8 0.0 346.4





#73

Isopropylbenzene

Concen: 21.738 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

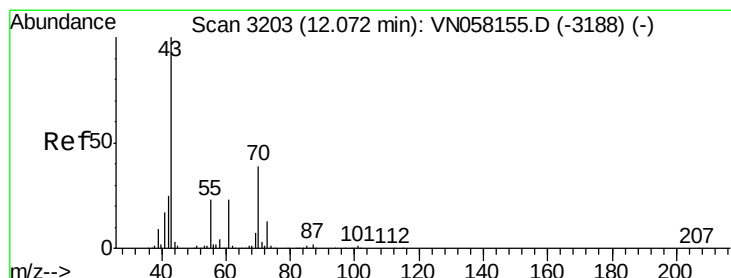
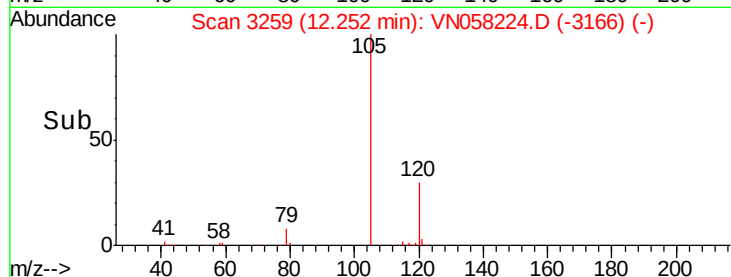
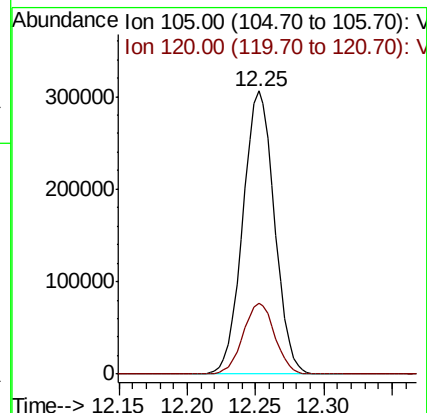
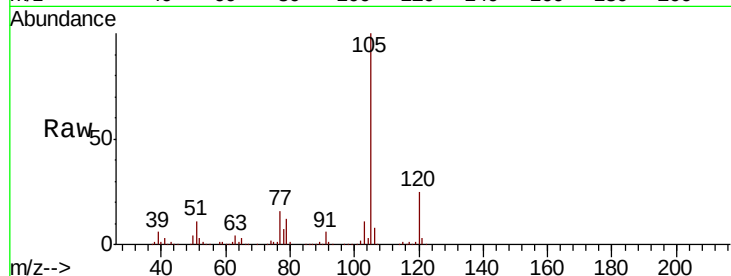
VN0919WBSD02

Tot Ion:105 Resp: 491432

Ion Ratio Lower Upper

105 100

120 25.1 12.8 38.3



#74

N-ethyl acetate

Concen: 23.814 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion: 43 Resp: 225223

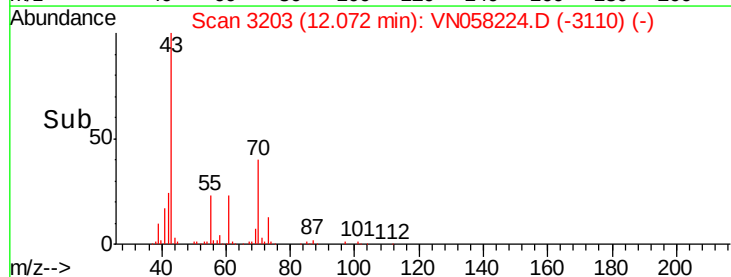
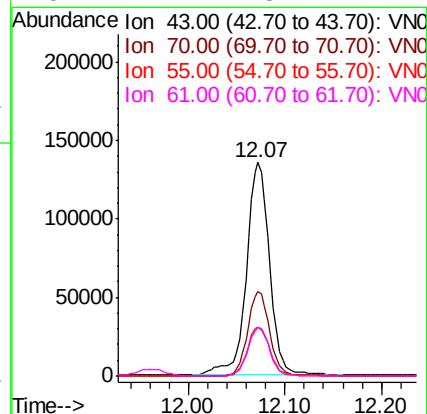
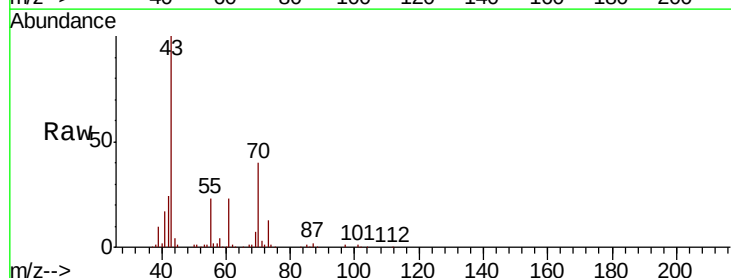
Ion Ratio Lower Upper

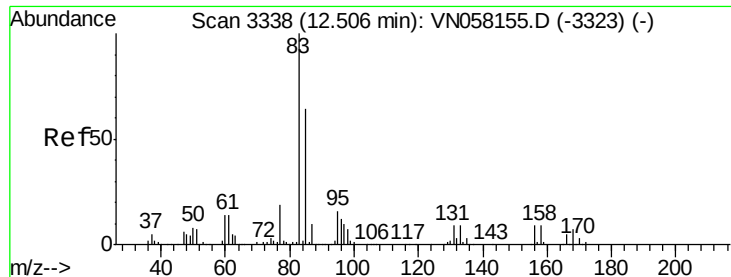
43 100

70 37.5 31.0 46.6

55 22.4 18.5 27.7

61 21.4 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.635 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

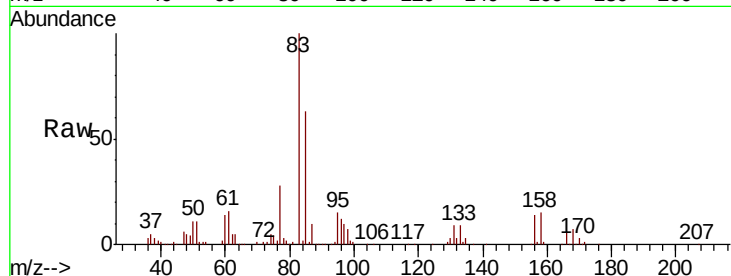
Tot Ion: 83 Resp: 163791

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	63.3	31.9	95.5

83 100

131 9.4 4.8 14.3

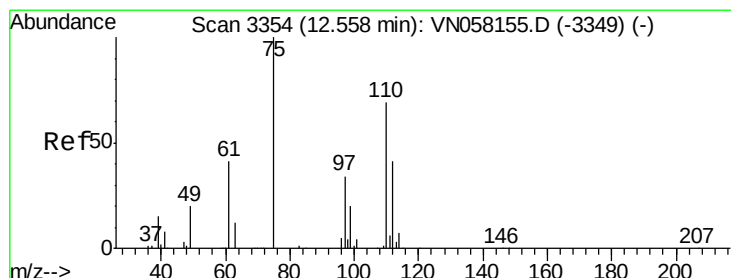
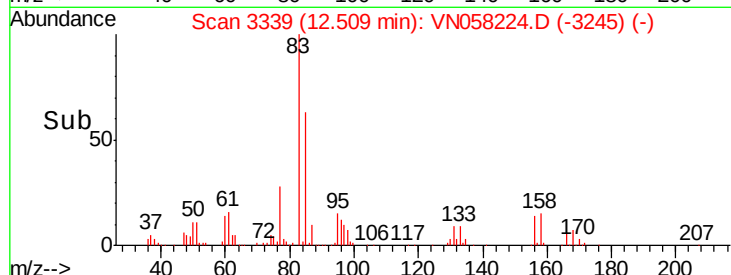
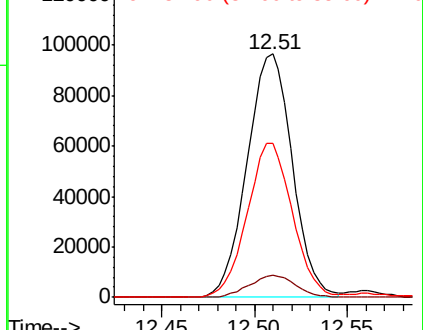
85 63.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.983 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058224.D

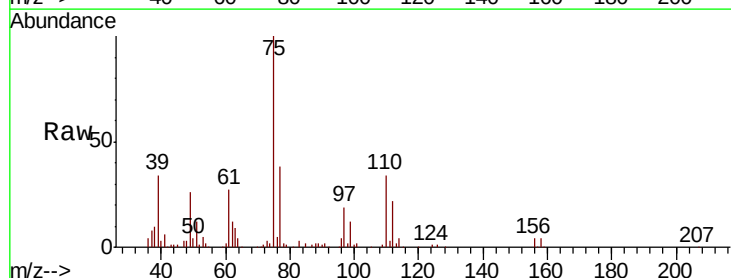
Acq: 19 Sep 2019 22:56

Tgt Ion: 75 Resp: 187346

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

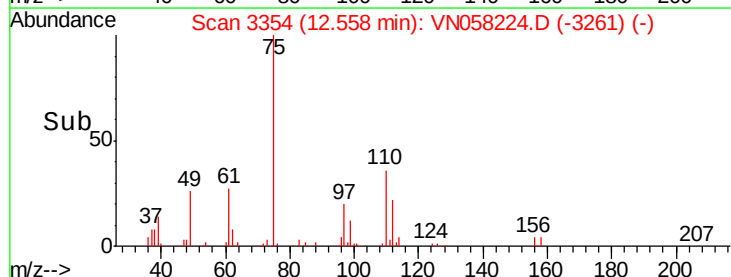
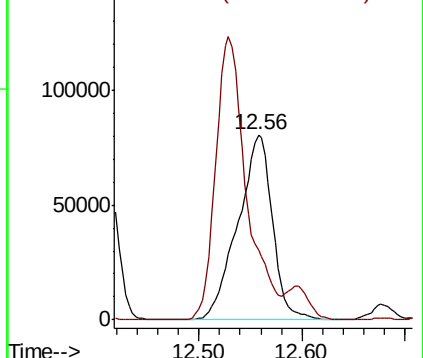
75 100

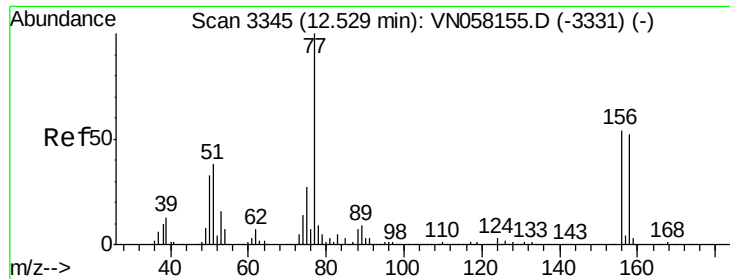
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.109 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

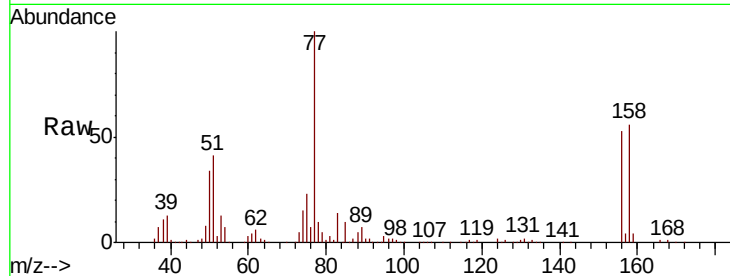
Tot Ion:156 Resp: 114355

Ion Ratio Lower Upper

156 100

77 224.1 111.7 335.1

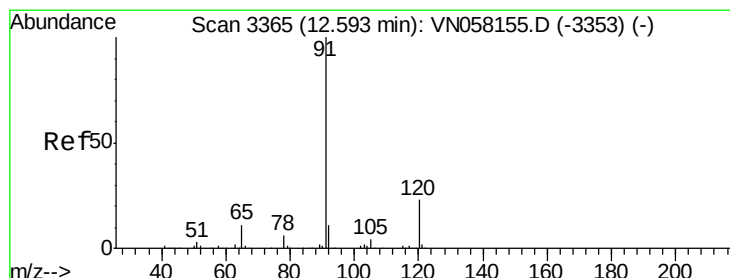
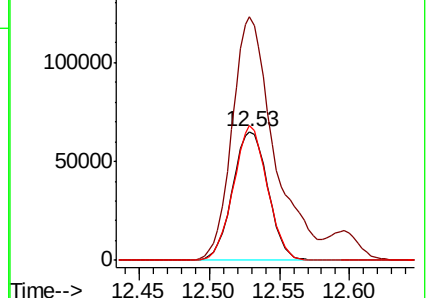
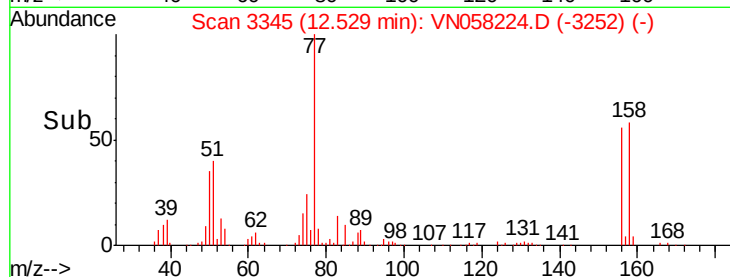
158 100.6 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.519 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058224.D

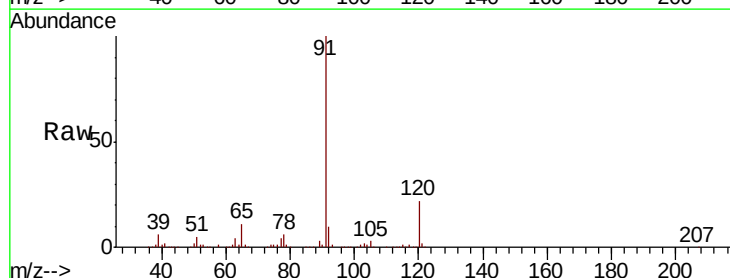
Acq: 19 Sep 2019 22:56

Tgt Ion: 91 Resp: 552825

Ion Ratio Lower Upper

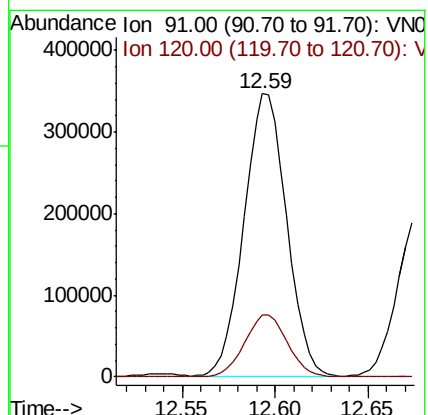
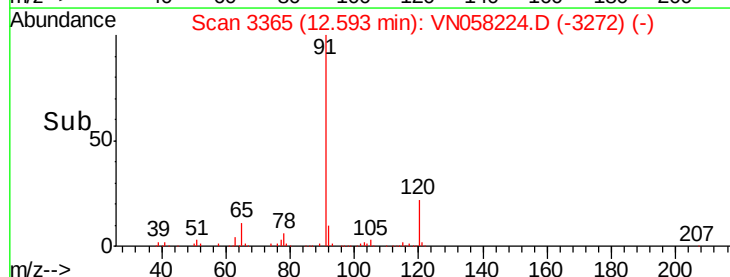
91 100

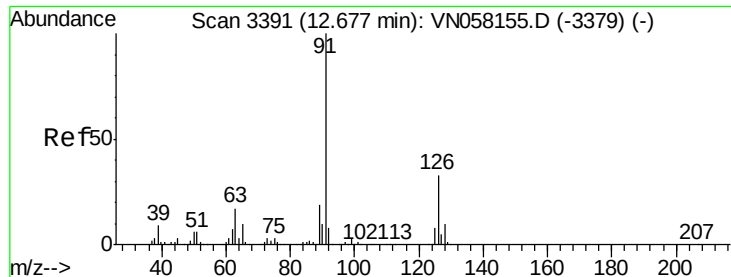
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.310 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

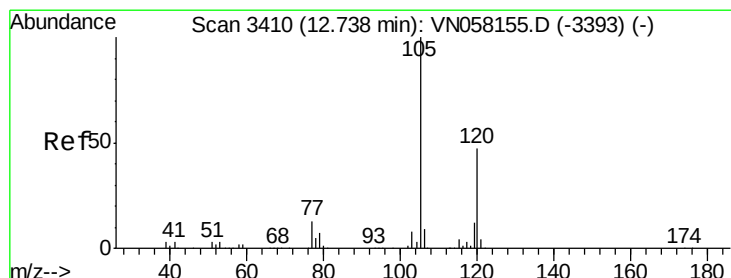
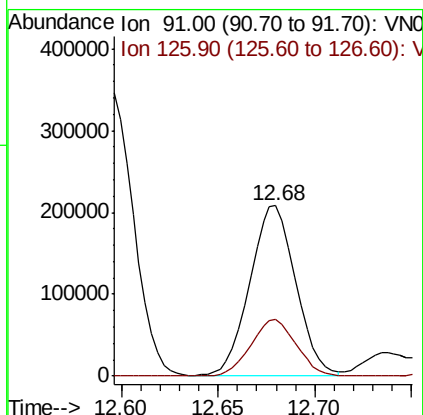
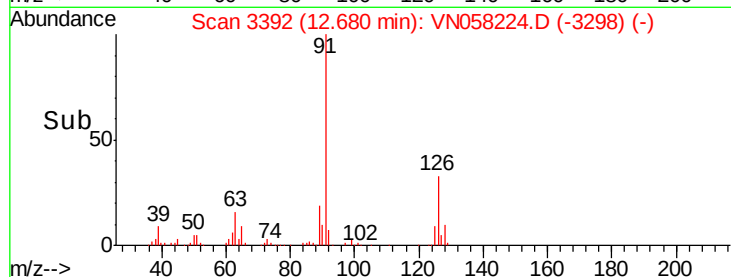
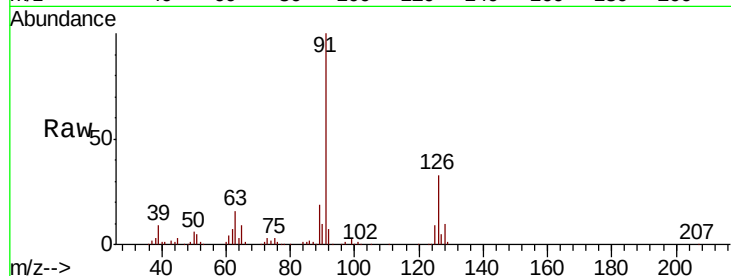
VN0919WBSD02

Tot Ion: 91 Resp: 342141

Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 21.497 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058224.D

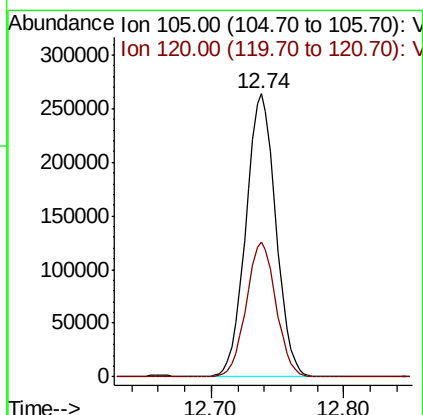
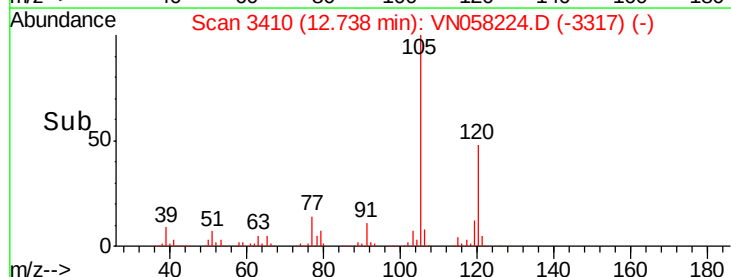
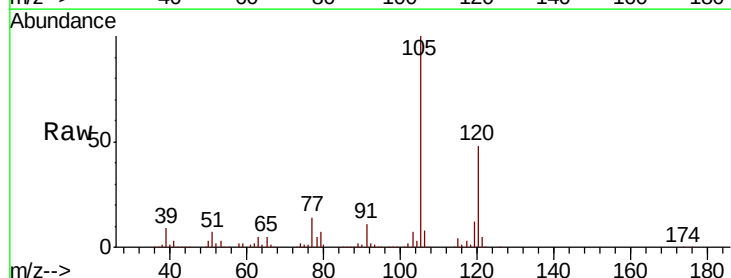
Acq: 19 Sep 2019 22:56

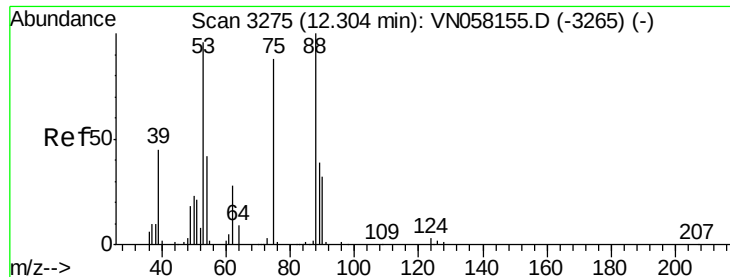
Tgt Ion: 105 Resp: 410971

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.585 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

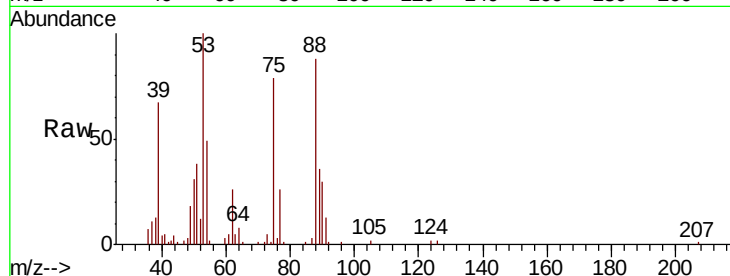
Tot Ion: 75 Resp: 33902

Ion Ratio Lower Upper

75 100

53 121.3 90.1 135.1

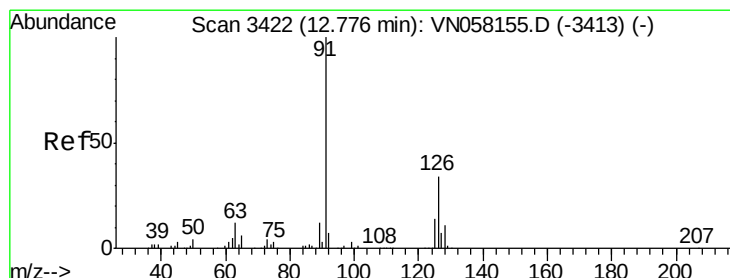
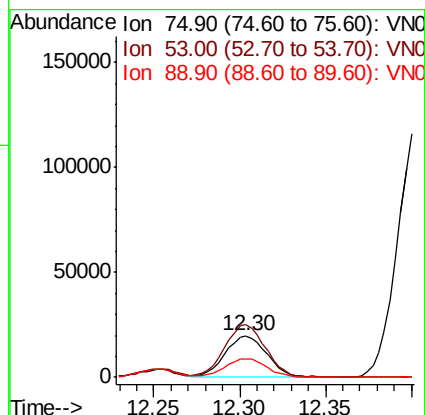
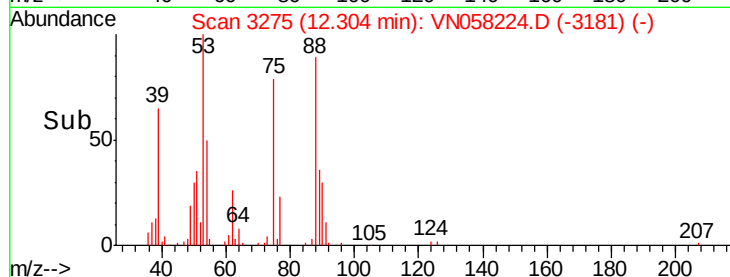
89 43.4 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.560 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058224.D

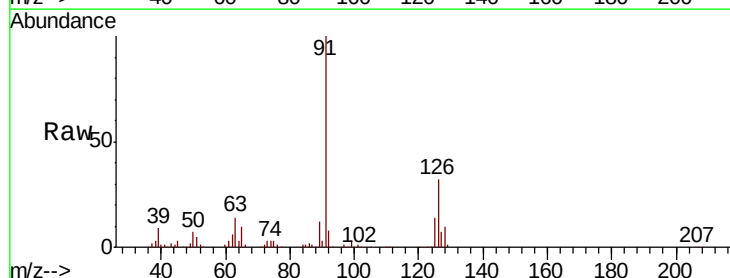
Acq: 19 Sep 2019 22:56

Tgt Ion: 91 Resp: 346991

Ion Ratio Lower Upper

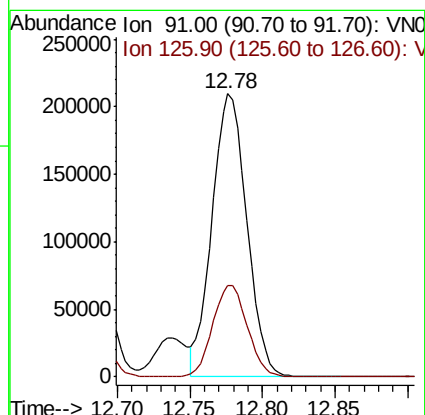
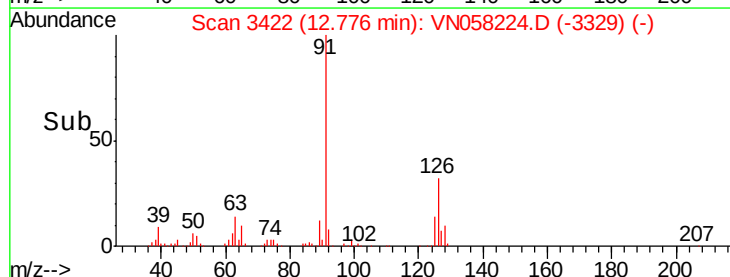
91 100

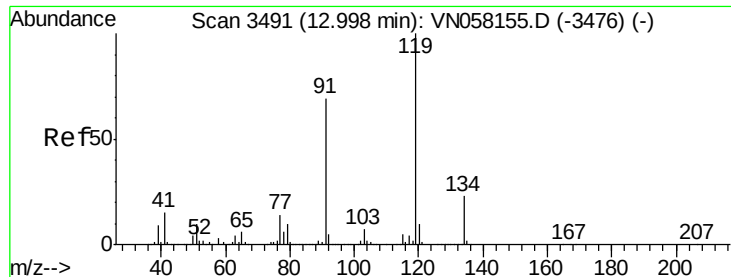
126 32.4 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

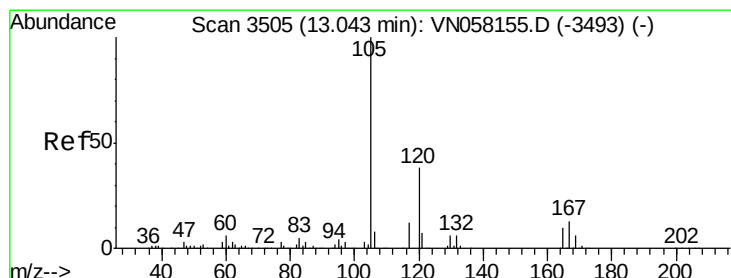
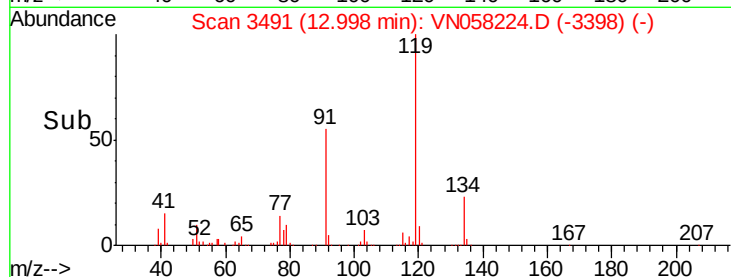
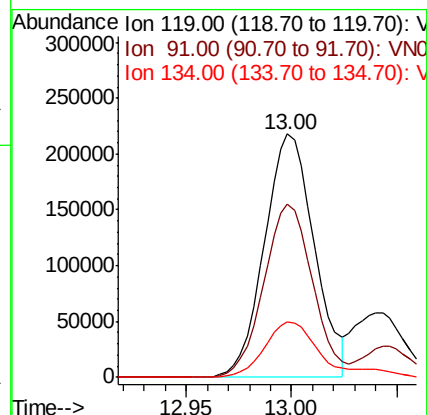
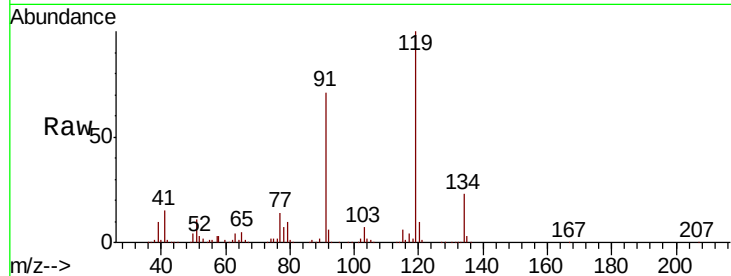




#83
 tert-Butylbenzene
 Concen: 21.007 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

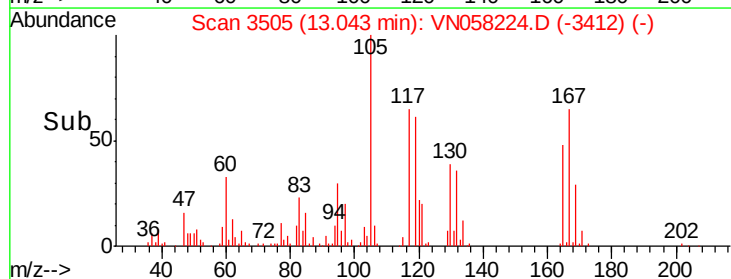
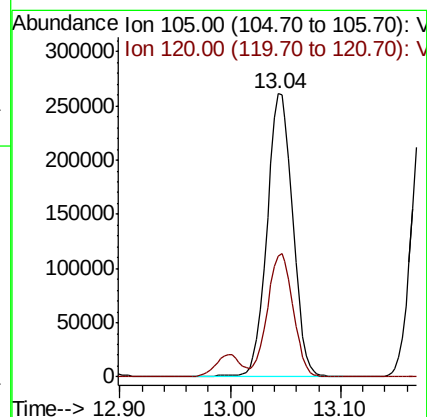
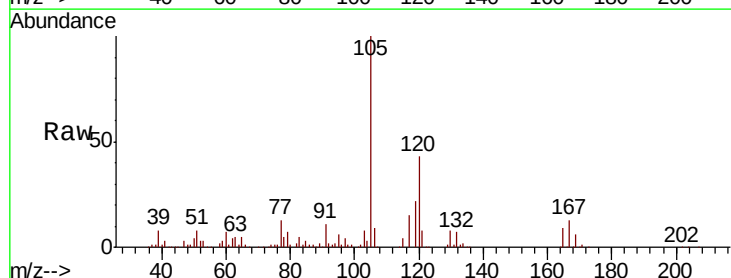
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

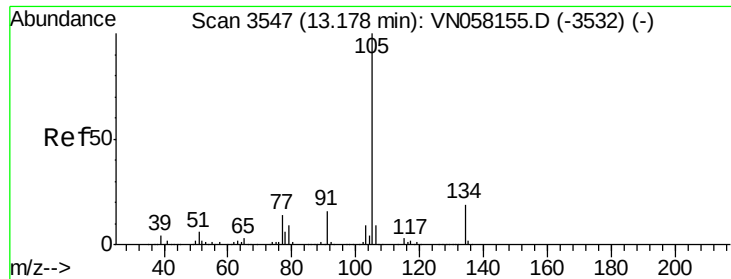
Tot Ion:119 Resp: 358136
 Ion Ratio Lower Upper
 119 100
 91 70.0 33.8 101.3
 134 26.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.260 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion:105 Resp: 423484
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.719 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

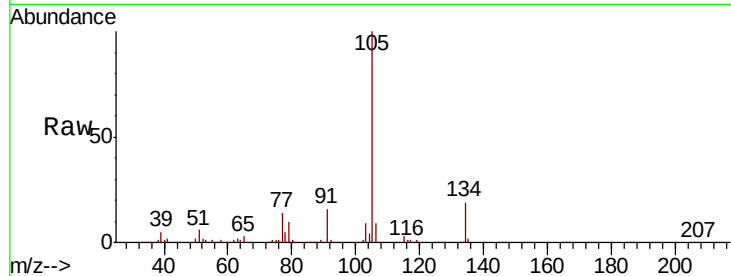
VN0919WBSD02

Tot Ion:105 Resp: 484187

Ion Ratio Lower Upper

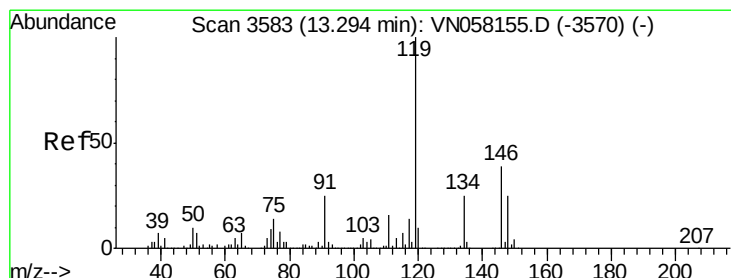
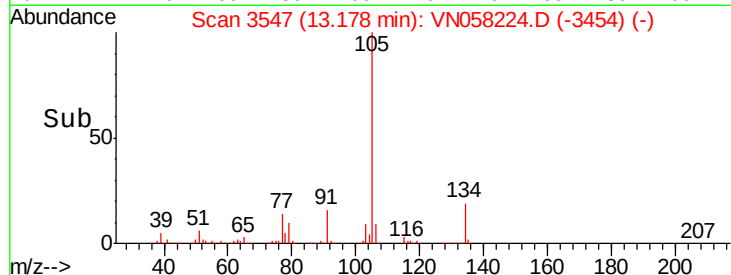
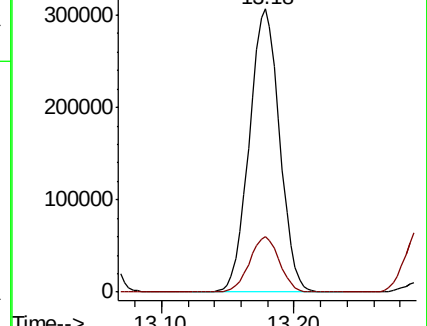
105 100

134 19.3 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.622 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

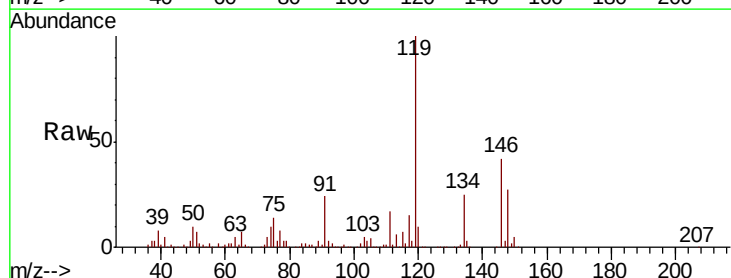
Tgt Ion:119 Resp: 428529

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

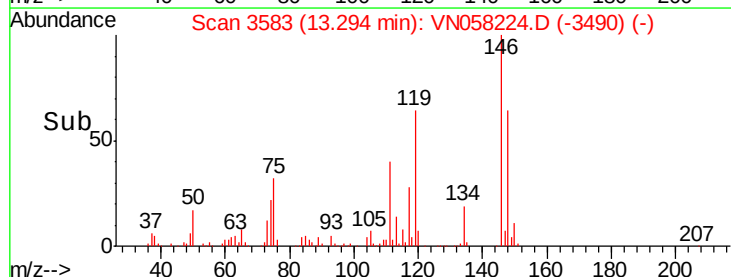
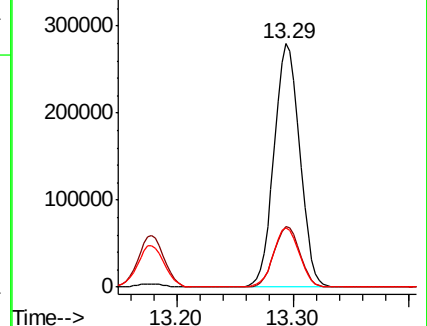
91 24.4 12.3 36.8

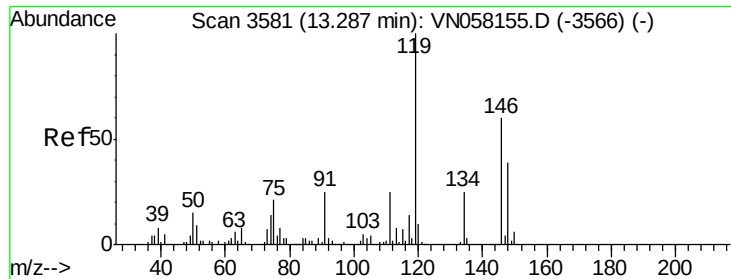


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

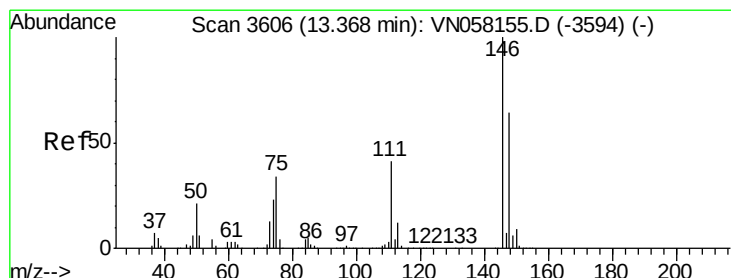
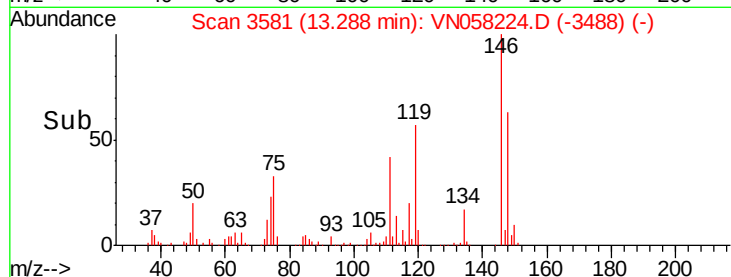
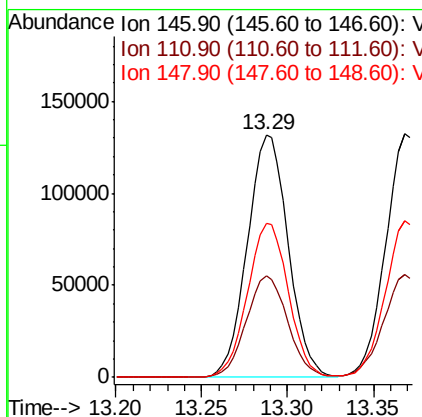
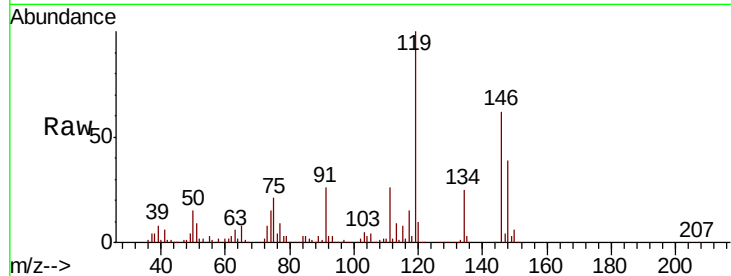




#87
 1,3-Dichlorobenzene
 Concen: 20.882 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

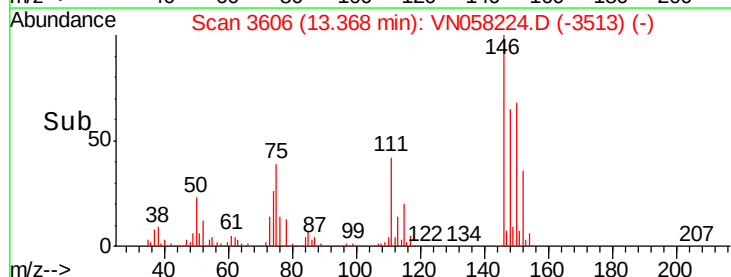
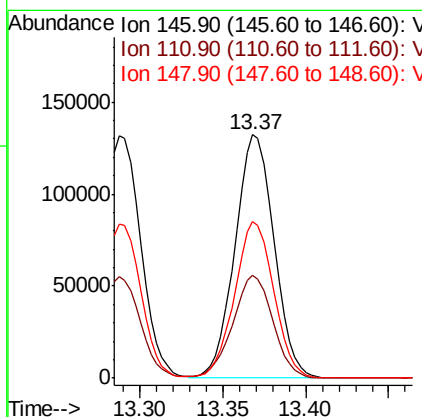
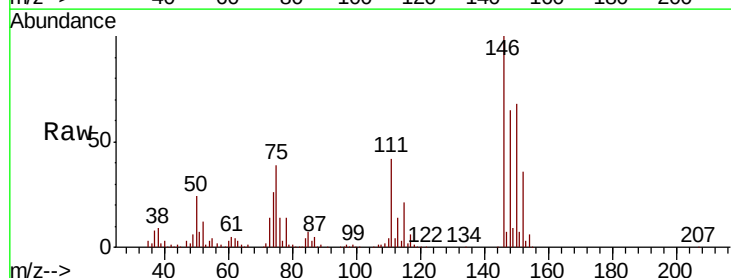
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

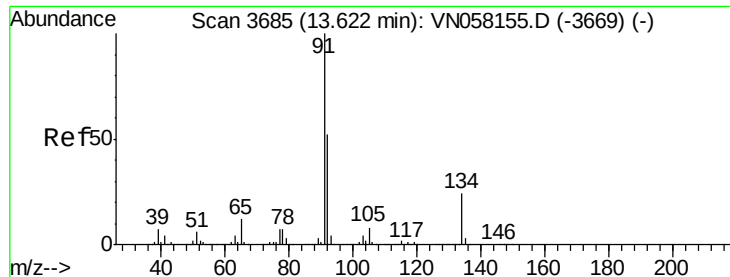
Tot Ion:146 Resp: 216896
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.9 62.8
 148 63.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.461 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion:146 Resp: 216963
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.5 61.5
 148 64.3 31.9 95.5





#89

n-Butylbenzene

Concen: 20.660 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

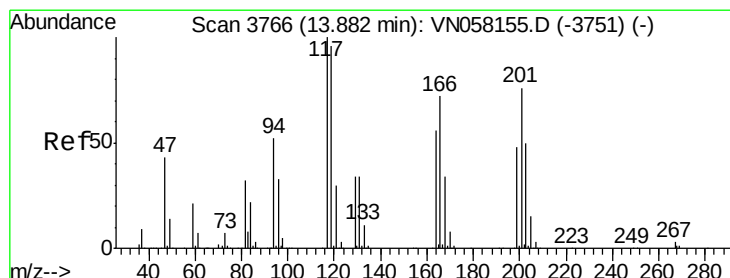
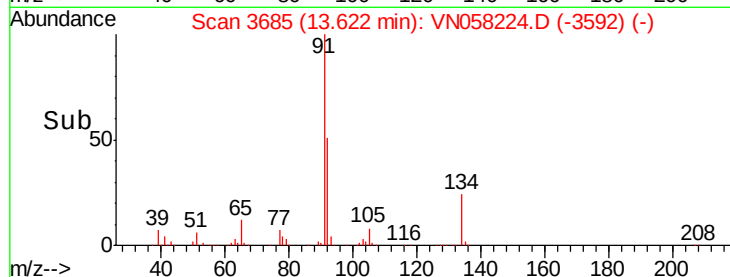
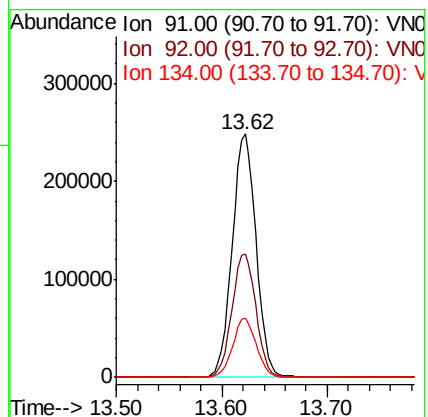
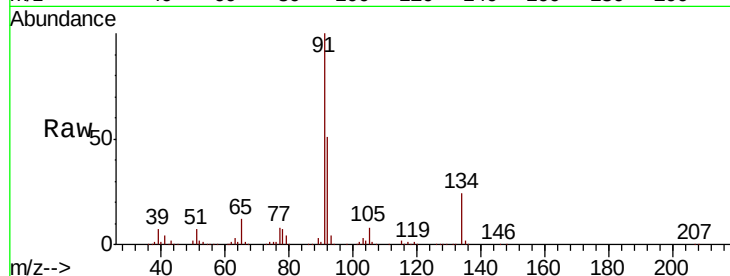
Tot Ion: 91 Resp: 388204

Ion Ratio Lower Upper

91 100

92 51.1 25.7 77.0

134 23.9 11.8 35.4



#90

Hexachloroethane

Concen: 19.490 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058224.D

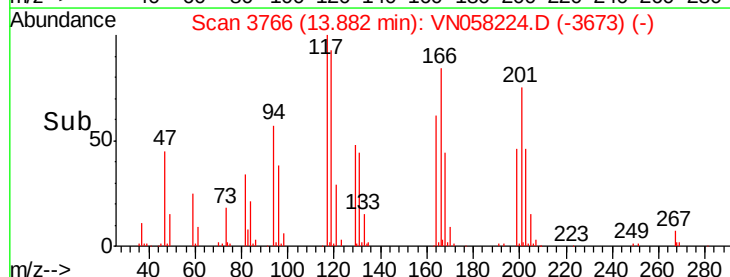
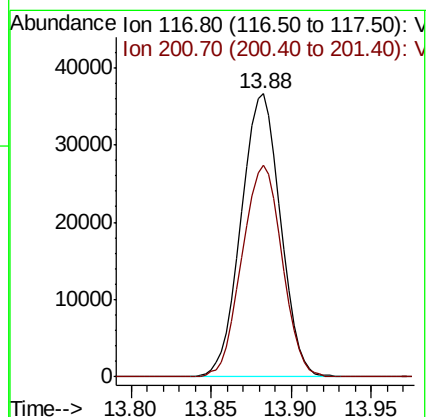
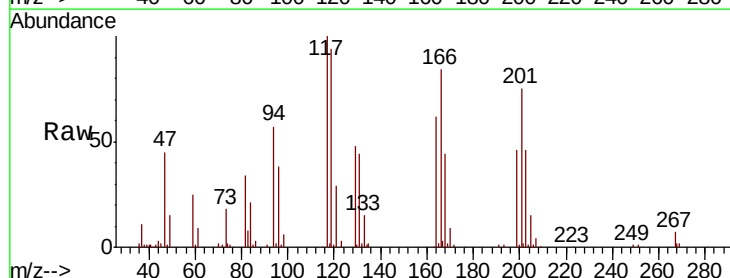
Acq: 19 Sep 2019 22:56

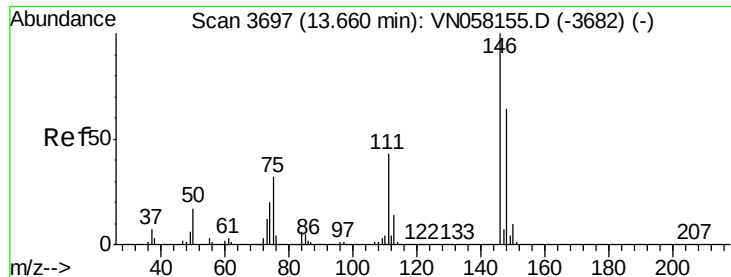
Tgt Ion: 117 Resp: 61393

Ion Ratio Lower Upper

117 100

201 76.2 37.5 112.5

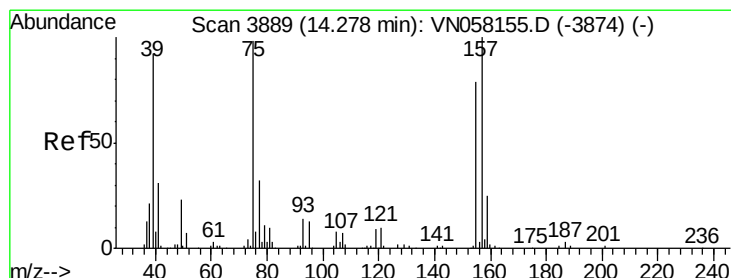
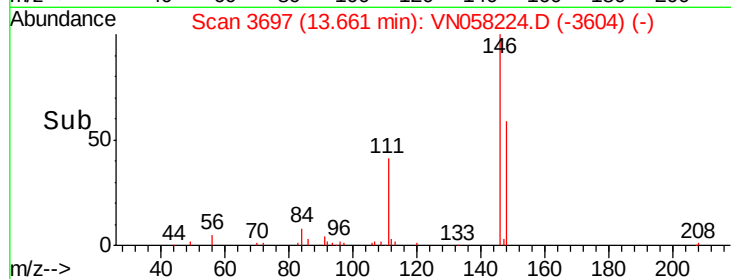
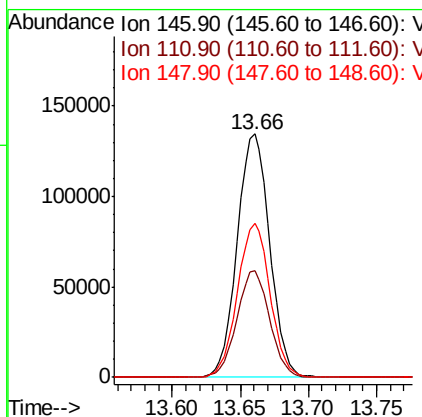
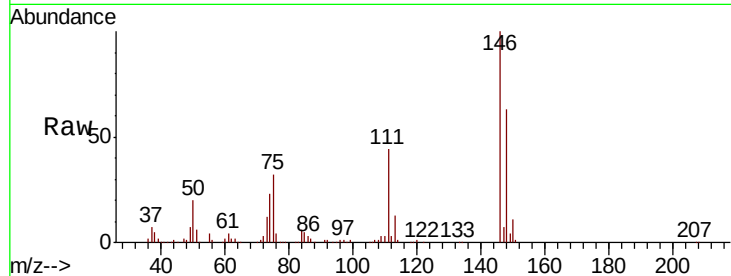




#91
 1,2-Dichlorobenzene
 Concen: 21.378 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

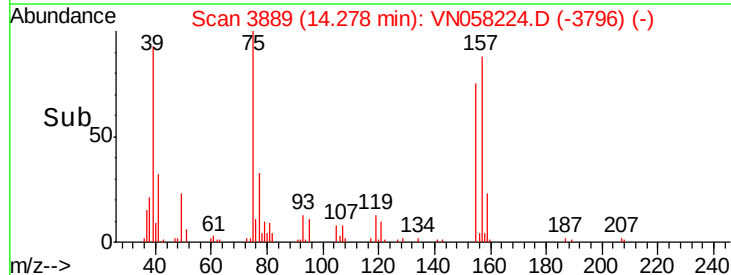
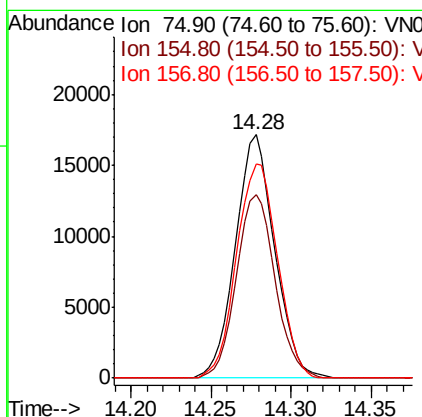
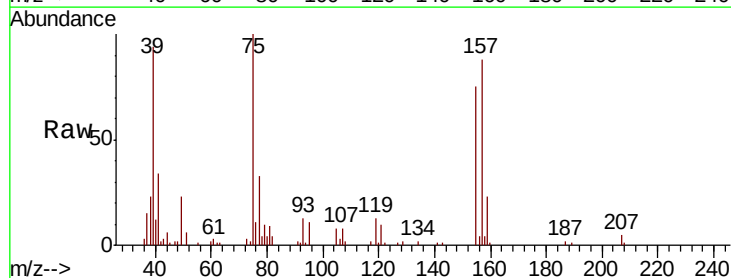
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

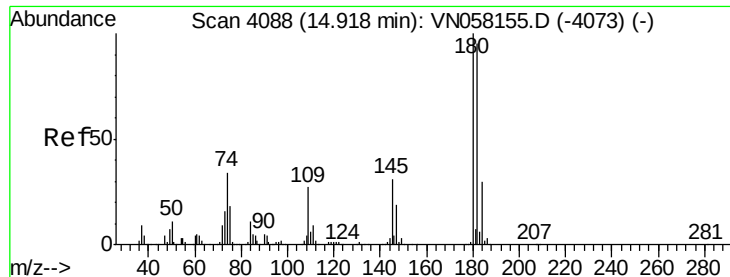
Tot Ion:146 Resp: 222733
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.1 63.1
 148 63.6 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.998 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 75 Resp: 28619
 Ion Ratio Lower Upper
 75 100
 155 74.4 38.3 114.8
 157 91.9 48.0 144.0

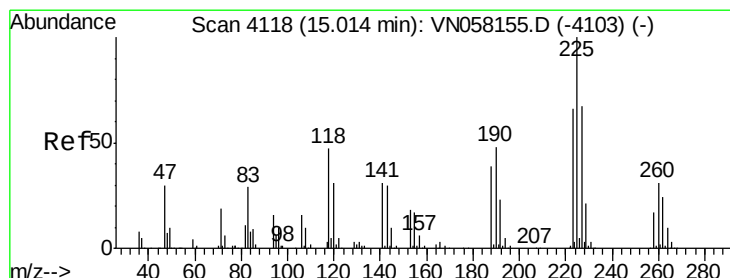
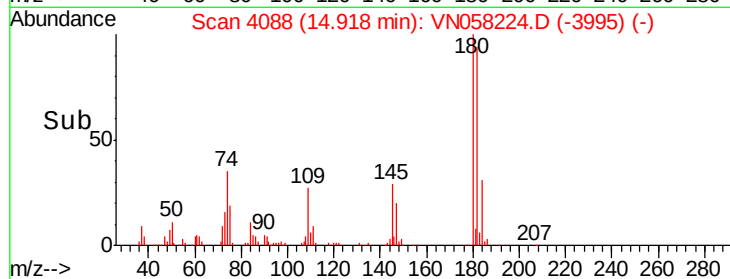
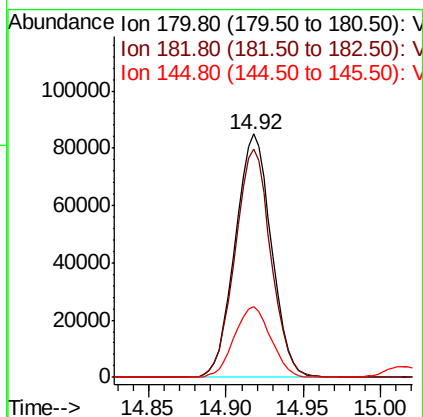
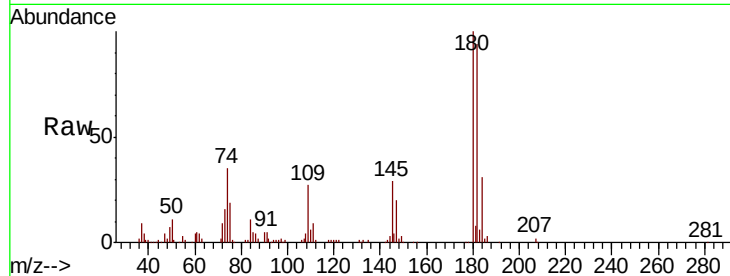




#93
 1,2,4-Trichlorobenzene
 Concen: 20.665 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

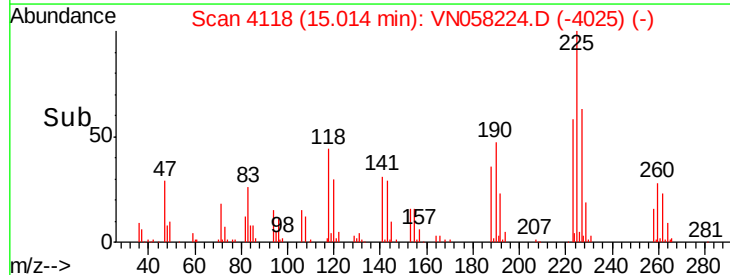
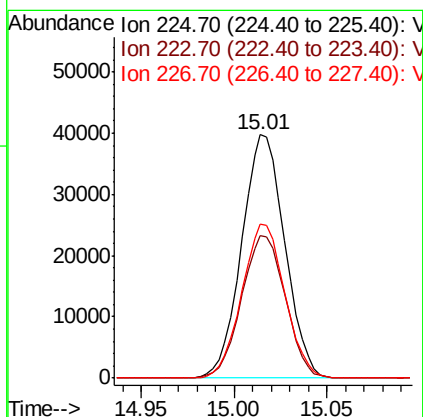
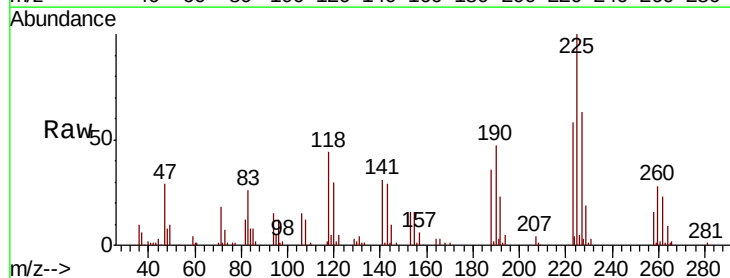
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

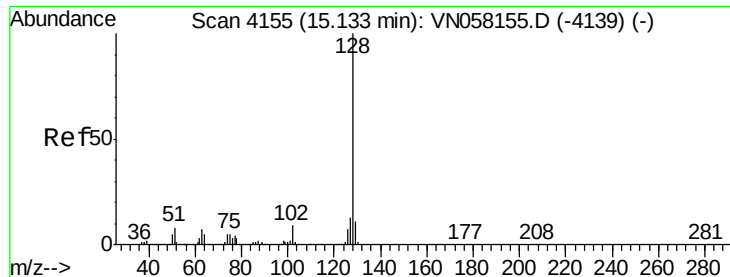
Tot Ion:180 Resp: 137565
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.8 143.3
 145 29.5 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 19.859 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion:225 Resp: 63896
 Ion Ratio Lower Upper
 225 100
 223 59.4 32.6 97.7
 227 63.1 33.0 99.0





#95

Naphthalene

Concen: 22.655 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

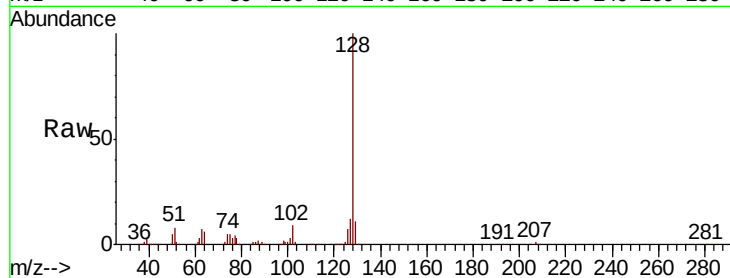
Tot Ion:128 Resp: 390838

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

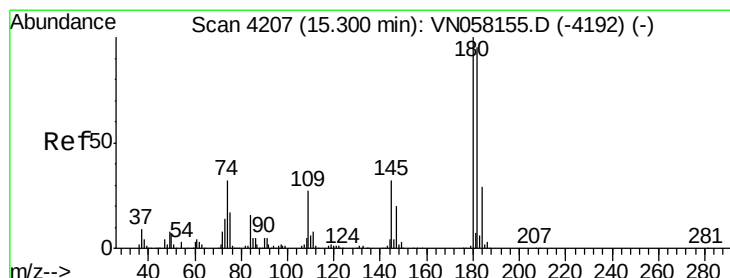
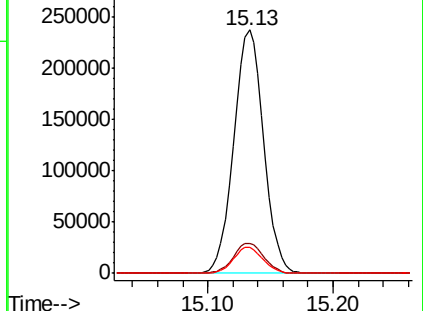
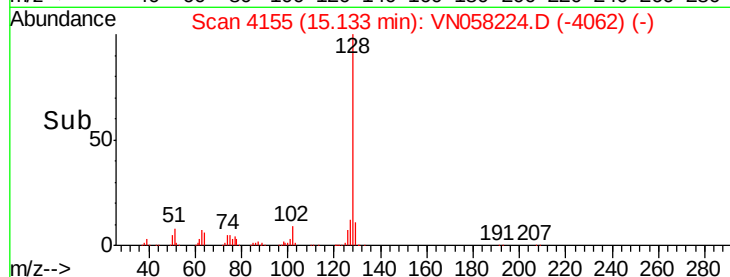
129 10.7 8.6 12.8



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: 20.823 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

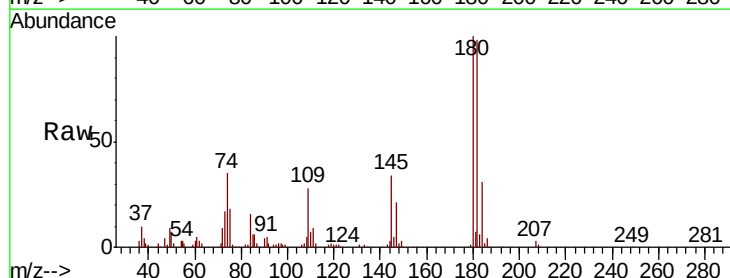
Tgt Ion:180 Resp: 131019

Ion Ratio Lower Upper

180 100

182 94.6 47.4 142.2

145 31.9 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

