

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091919\
 Data File : VN058206.D
 Acq On : 19 Sep 2019 15:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 02 05:03:19 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	499753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	831558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	767452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	379806	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	355308	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.57	113	256021	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.08	98	1038673	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.40	95	384816	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	183333	44.657	ug/l	98
3) Chloromethane	2.04	50	151109	47.705	ug/l	99
4) Vinyl Chloride	2.17	62	166417	48.057	ug/l	100
5) Bromomethane	2.54	94	90681	49.511	ug/l	98
6) Chloroethane	2.68	64	110026	49.624	ug/l	96
7) Trichlorofluoromethane	3.00	101	256230	45.726	ug/l	100
8) Diethyl Ether	3.39	74	115810	45.105	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185321	45.870	ug/l	99
10) Methyl Iodide	3.93	142	151724	44.817	ug/l	99
11) Tert butyl alcohol	4.75	59	198546	239.796	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	143348	46.730	ug/l	98
13) Acrolein	3.58	56	35659	290.612	ug/l	98
14) Allyl chloride	4.30	41	306643	46.384	ug/l	100
15) Acrylonitrile	4.96	53	546312	247.652	ug/l	100
16) Acetone	3.79	43	559331	236.734	ug/l	100
17) Carbon Disulfide	4.03	76	182003	42.215	ug/l	99
18) Methyl Acetate	4.30	43	287766	46.287	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	738790	48.483	ug/l	97
20) Methylene Chloride	4.52	84	201648	48.742	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	158314	47.364	ug/l	98
22) Diisopropyl ether	5.93	45	826070	49.190	ug/l	97
23) Vinyl Acetate	5.87	43	2981380	259.455	ug/l	100
24) 1,1-Dichloroethane	5.82	63	425630	47.488	ug/l	98
25) 2-Butanone	6.81	43	804370	249.890	ug/l	99
26) 2,2-Dichloropropane	6.80	77	355256	46.721	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	238450	47.051	ug/l	97
28) Bromochloromethane	7.17	49	218189	51.460	ug/l #	100
29) Tetrahydrofuran	7.19	42	474970	239.551	ug/l	99
30) Chloroform	7.36	83	460410	47.722	ug/l	99
31) Cyclohexane	7.64	56	275292	47.390	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	359475	48.944	ug/l	100
36) 1,1-Dichloropropene	7.78	75	270280	45.071	ug/l	100
37) Ethyl Acetate	6.90	43	306546	49.258	ug/l	100
38) Carbon Tetrachloride	7.76	117	283143	46.970	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275100	47.450	ug/l	97
40) Benzene	8.02	78	869615	47.478	ug/l	99
41) Methacrylonitrile	7.15	41	152728	48.738	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	366453	47.681	ug/l	100
43) Isopropyl Acetate	8.15	43	560431	48.218	ug/l	100
44) Trichloroethene	8.82	130	212180	47.338	ug/l	100
45) 1,2-Dichloropropane	9.11	63	272390	49.798	ug/l	97
46) Dibromomethane	9.20	93	162473	48.855	ug/l	99
47) Bromodichloromethane	9.39	83	354315	50.856	ug/l	98
48) Methyl methacrylate	9.19	41	263302	49.894	ug/l	99
49) 1,4-Dioxane	9.19	88	88372	1019.968	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1706368	276.403	ug/l	99
52) Toluene	10.15	92	563246	49.068	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	376283	52.725	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	405244	51.431	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258800	50.804	ug/l	99
56) Ethyl methacrylate	10.43	69	387361	52.703	ug/l	99
57) 1,3-Dichloropropane	10.71	76	439862	50.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	960339	274.309	ug/l	99
59) 2-Hexanone	10.75	43	1257889	274.350	ug/l	99
60) Dibromochloromethane	10.90	129	261255	53.309	ug/l	100
61) 1,2-Dibromoethane	11.00	107	239867	50.810	ug/l	100
64) Tetrachloroethene	10.63	164	172476	46.103	ug/l	98
65) Chlorobenzene	11.43	112	659995	48.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	250840	51.247	ug/l	99
67) Ethyl Benzene	11.51	91	1196250	51.718	ug/l	99
68) m/p-Xylenes	11.62	106	867444	99.574	ug/l	98
69) o-Xylene	11.95	106	440610	51.437	ug/l	98
70) Styrene	11.97	104	778686	52.760	ug/l	99
71) Bromoform	12.13	173	169231	46.876	ug/l #	99
73) Isopropylbenzene	12.25	105	1244822	52.362	ug/l	99
74) N-amyl acetate	12.07	43	529204	53.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	403821	50.724	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	489120	71.958	ug/l #	100
77) Bromobenzene	12.53	156	290808	48.630	ug/l	98
78) n-propylbenzene	12.59	91	1460988	54.081	ug/l	100
79) 2-Chlorotoluene	12.68	91	870992	51.588	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1064380	52.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	104117	46.098	ug/l	97
82) 4-Chlorotoluene	12.78	91	918714	51.766	ug/l	99
83) tert-Butylbenzene	13.00	119	936040	52.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1090929	54.530	ug/l	99
85) sec-Butylbenzene	13.18	105	1274924	54.383	ug/l	100
86) p-Isopropyltoluene	13.29	119	1146635	55.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	565110	51.738	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	565648	50.727	ug/l	99
89) n-Butylbenzene	13.62	91	1062722	53.783	ug/l	99
90) Hexachloroethane	13.88	117	175975	48.255	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	561456	51.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74965	52.304	ug/l	98

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QLast Update : Thu Sep 19 09:27:53 2019
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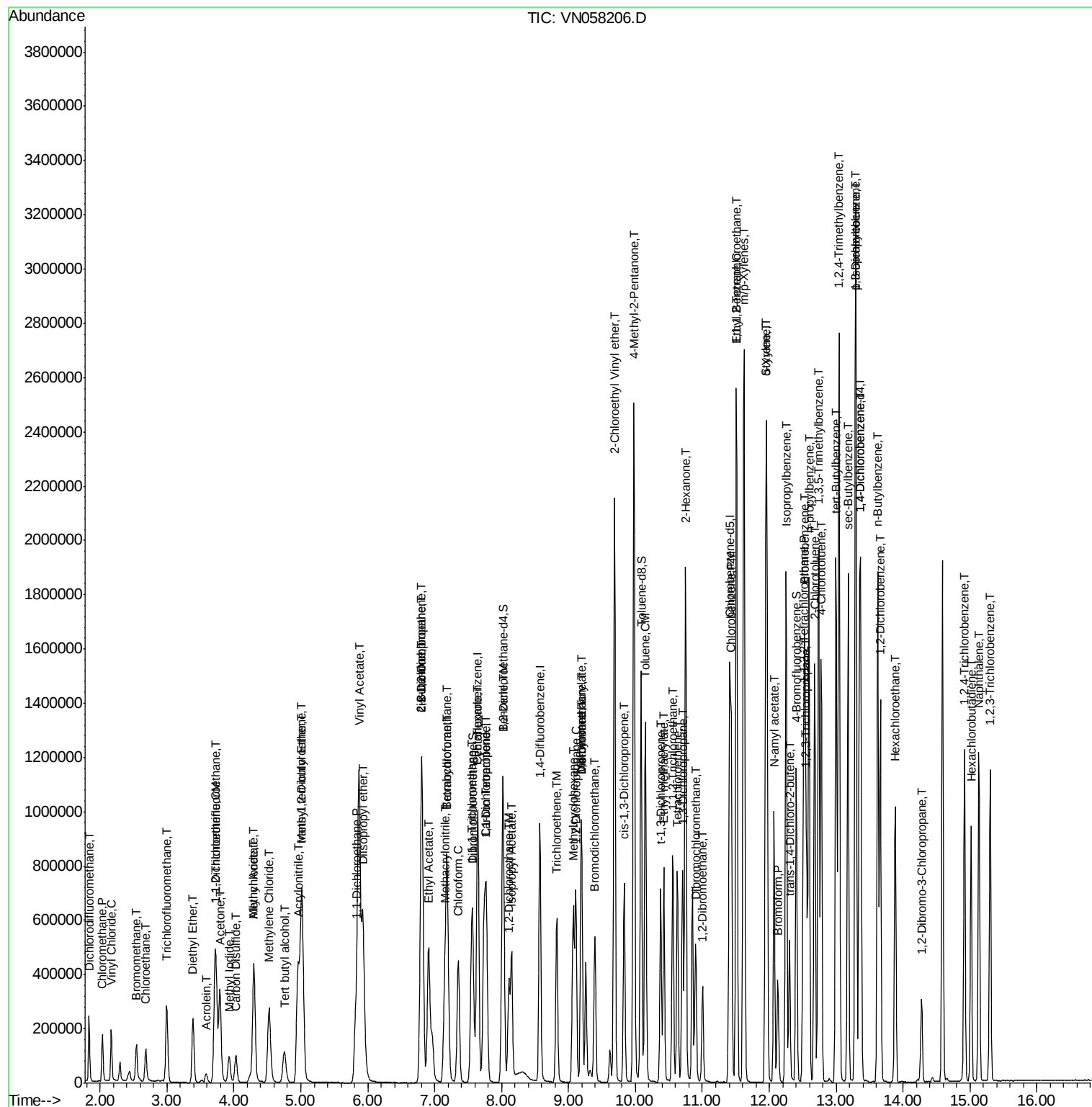
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	363531	51.931	ug/l	99
94) Hexachlorobutadiene	15.02	225	166371	49.172	ug/l	98
95) Naphthalene	15.13	128	967782	53.345	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	339859	51.365	ug/l	99

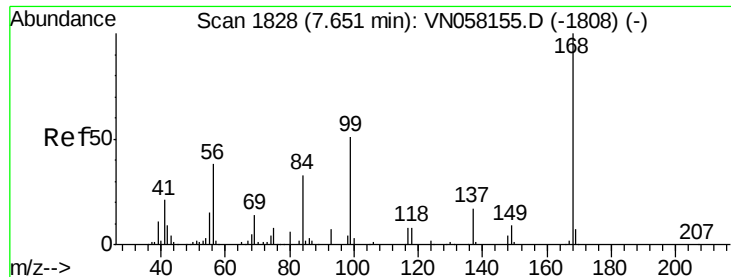
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

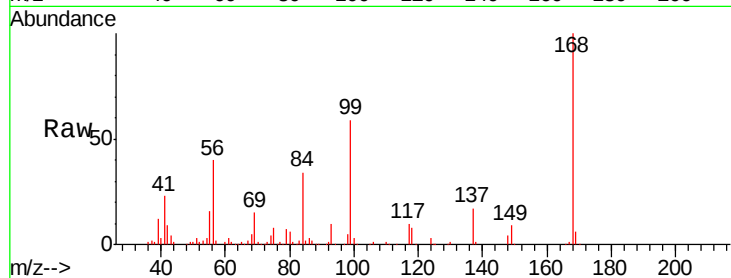
VSTDCCC050

Tgt Ion:168 Resp: 499753

Ion Ratio Lower Upper

168 100

99 58.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

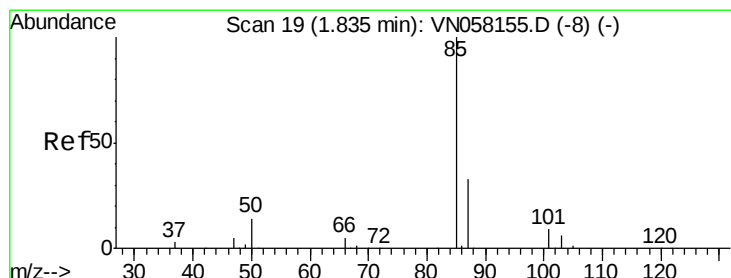
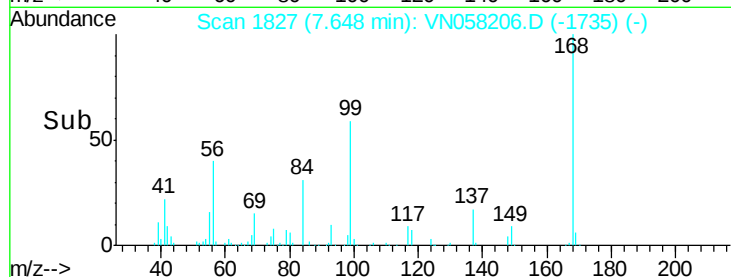
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.657 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058206.D

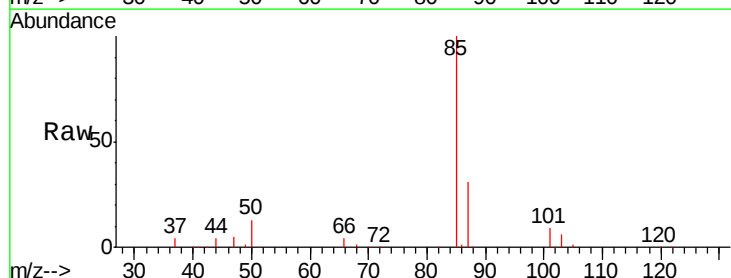
Acq: 19 Sep 2019 15:49

Tgt Ion: 85 Resp: 183333

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

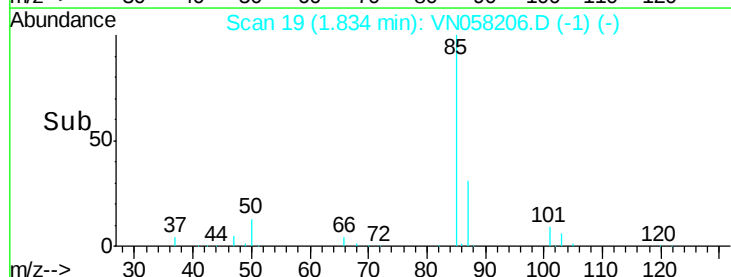
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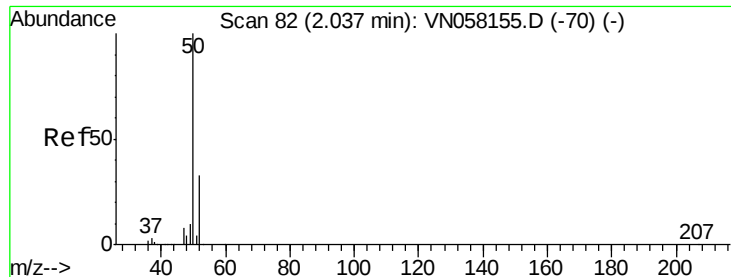
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.705 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

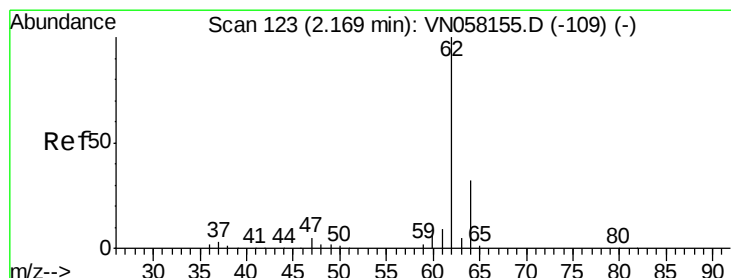
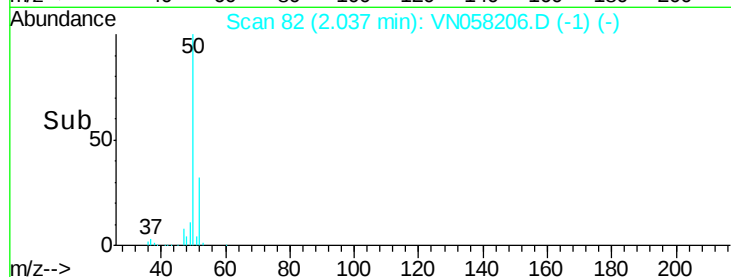
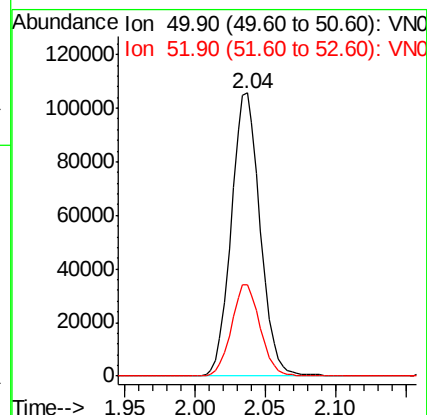
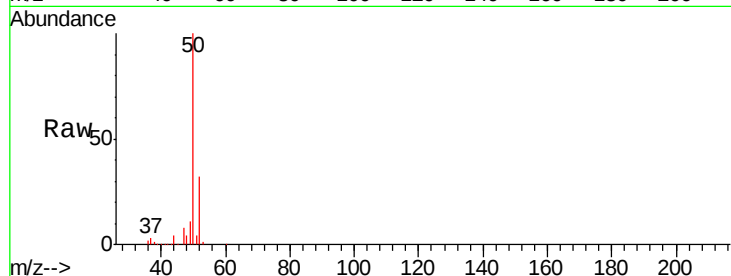
VSTDCCC050

Tgt Ion: 50 Resp: 151109

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 48.057 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058206.D

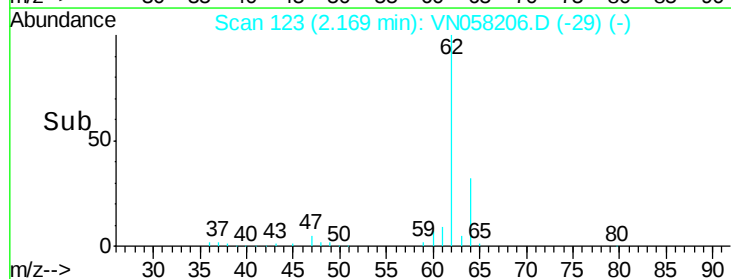
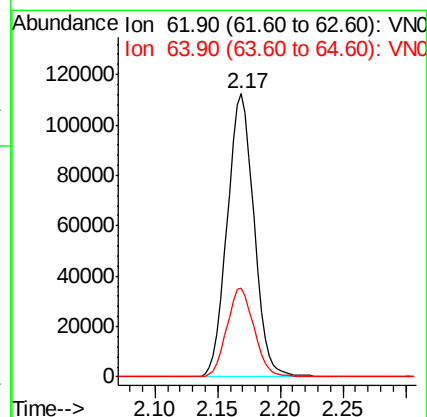
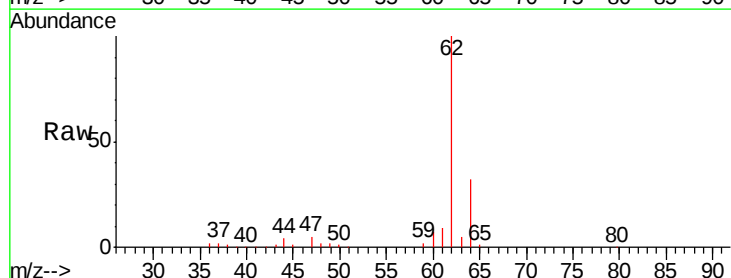
Acq: 19 Sep 2019 15:49

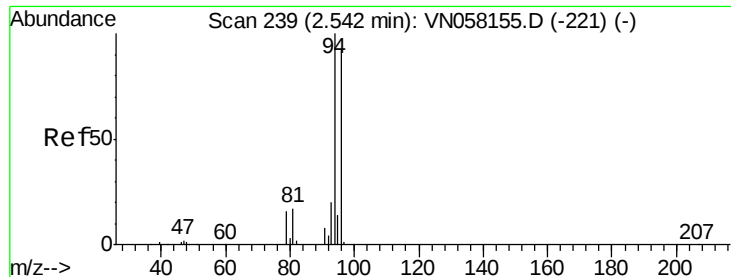
Tgt Ion: 62 Resp: 166417

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 49.511 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

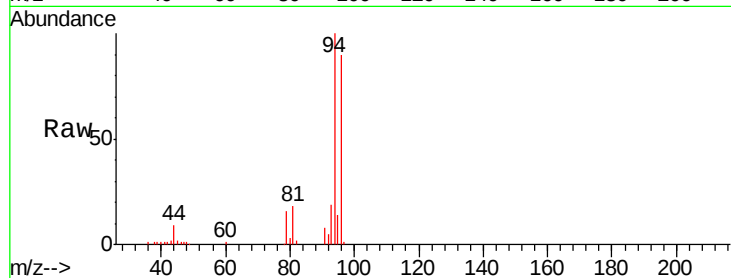
VSTDCCC050

Tgt Ion: 94 Resp: 90681

Ion Ratio Lower Upper

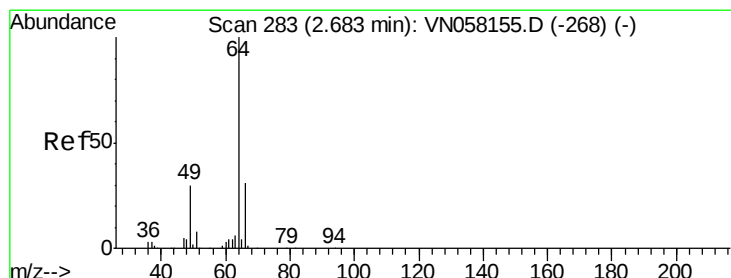
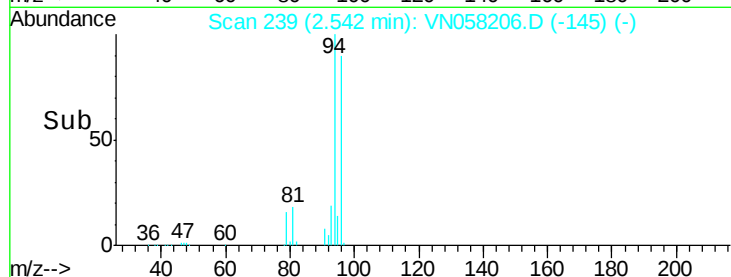
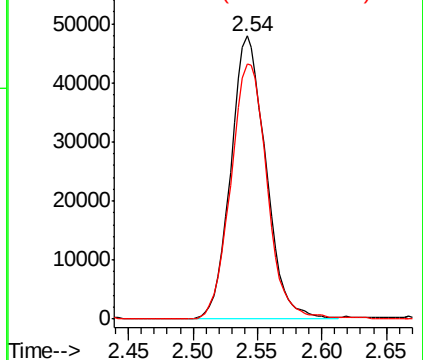
94 100

96 90.1 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: 49.624 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058206.D

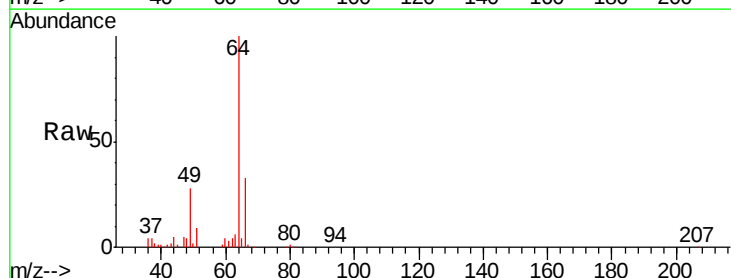
Acq: 19 Sep 2019 15:49

Tgt Ion: 64 Resp: 110026

Ion Ratio Lower Upper

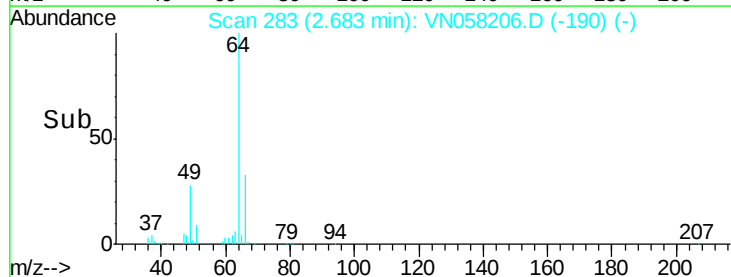
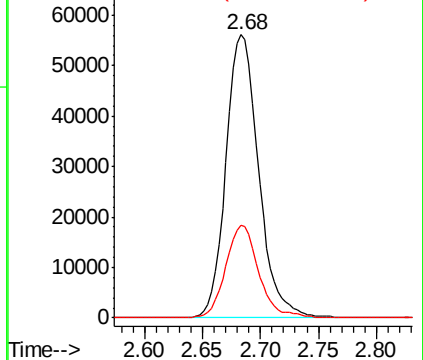
64 100

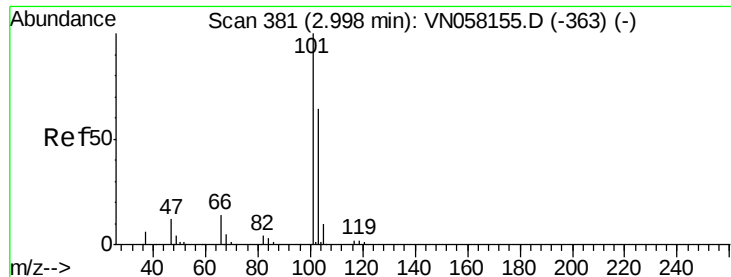
66 32.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



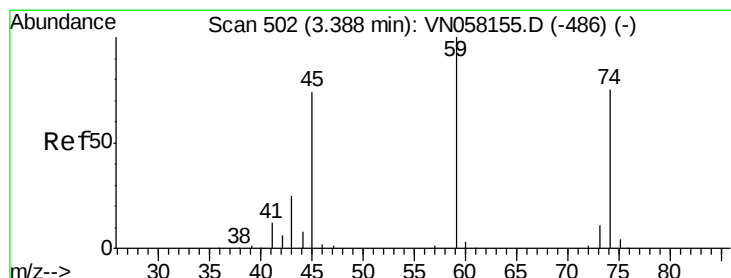
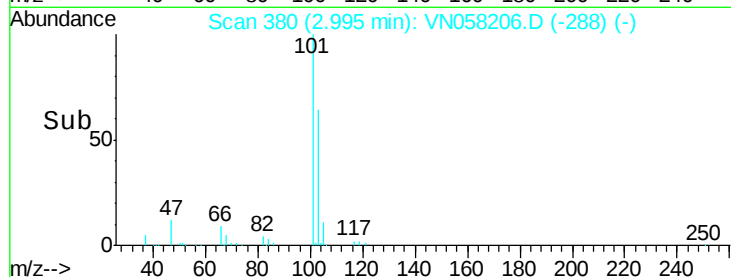
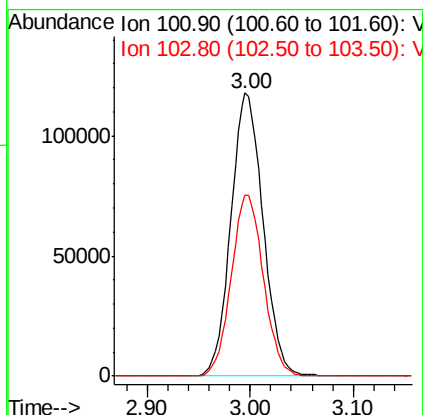
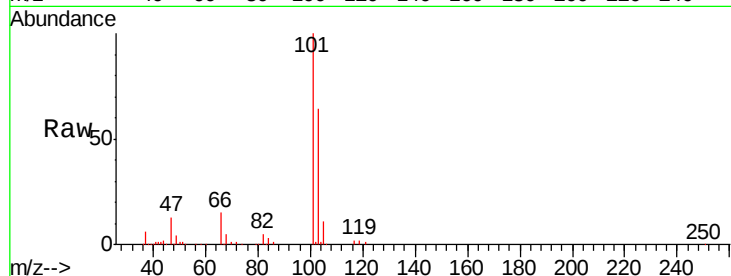


#7

Trichlorofluoromethane
 Concen: 45.726 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
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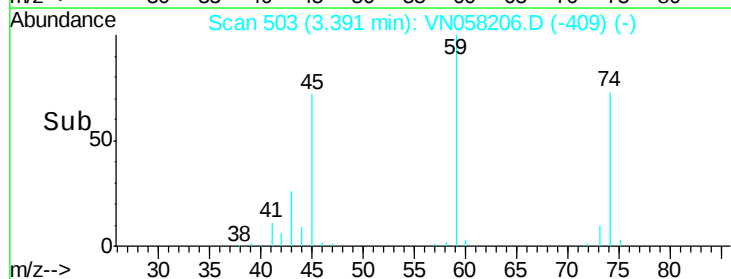
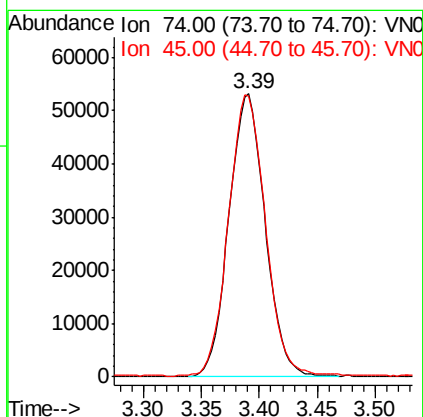
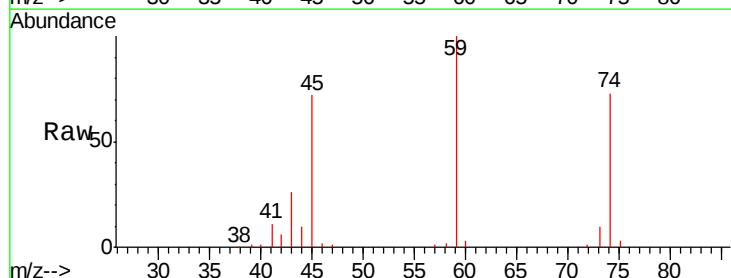
Tgt Ion:101 Resp: 256230
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.0 76.6

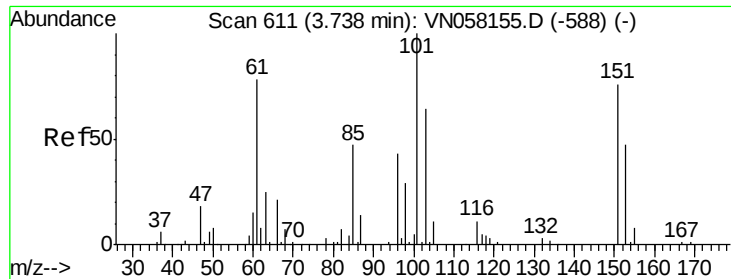


#8

Diethyl Ether
 Concen: 45.105 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 74 Resp: 115810
 Ion Ratio Lower Upper
 74 100
 45 100.5 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.870 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

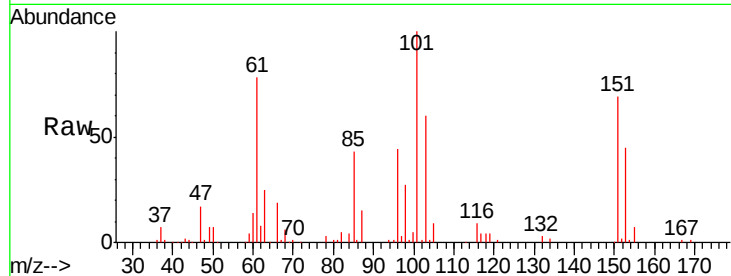
Tgt Ion:101 Resp: 185321

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

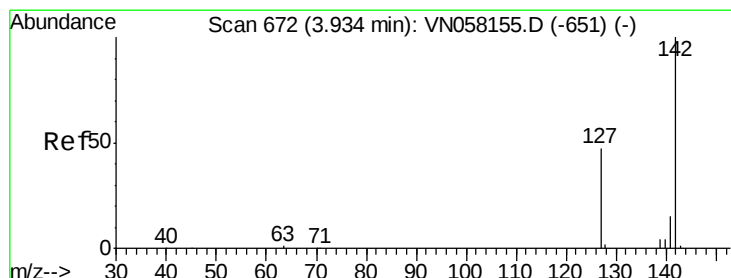
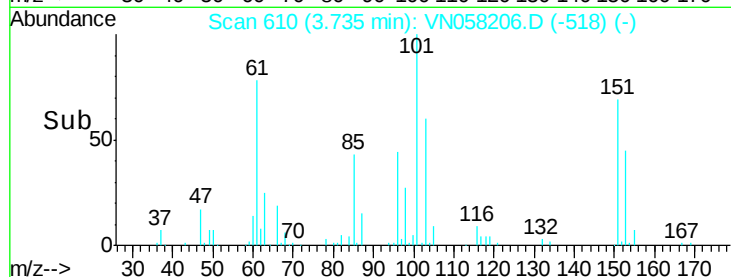
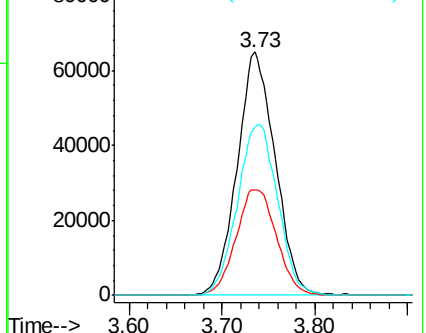
151 74.1 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.817 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

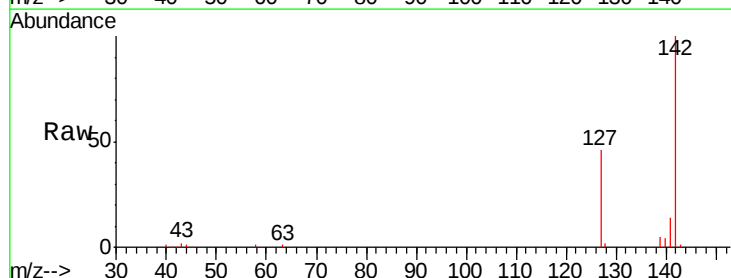
Tgt Ion:142 Resp: 151724

Ion Ratio Lower Upper

142 100

127 47.5 37.5 56.3

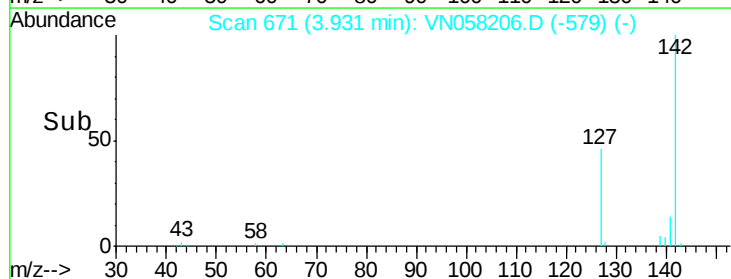
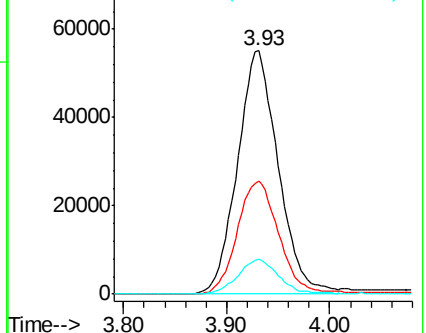
141 14.3 11.4 17.2

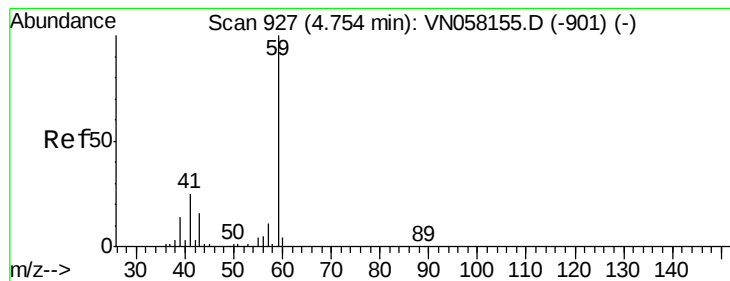


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



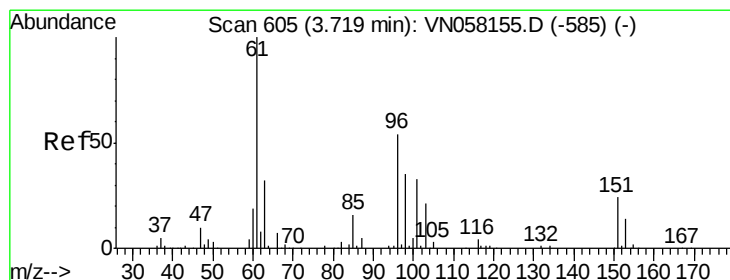
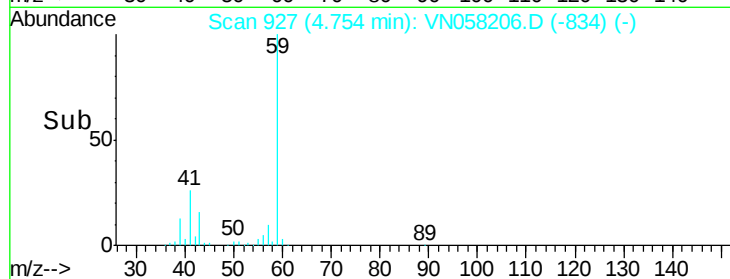
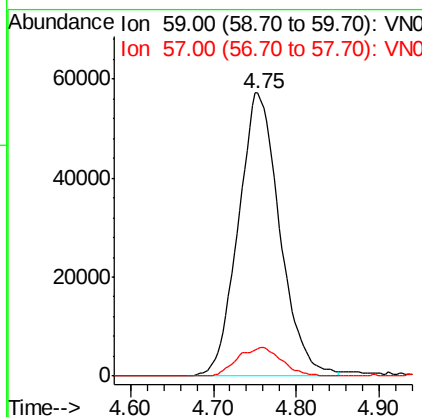
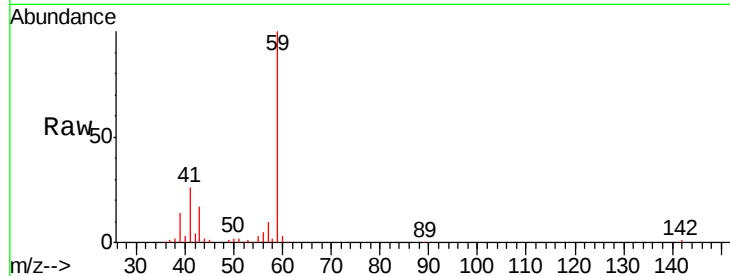


#11

Tert butyl alcohol
 Concen: 239.796 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

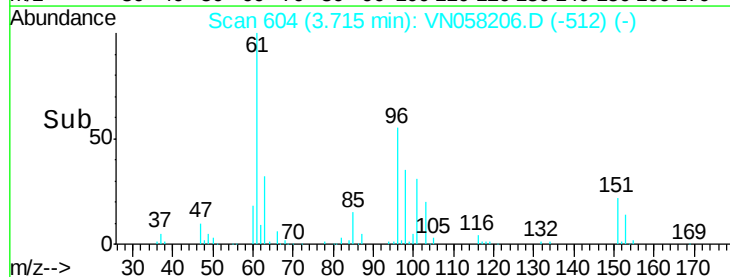
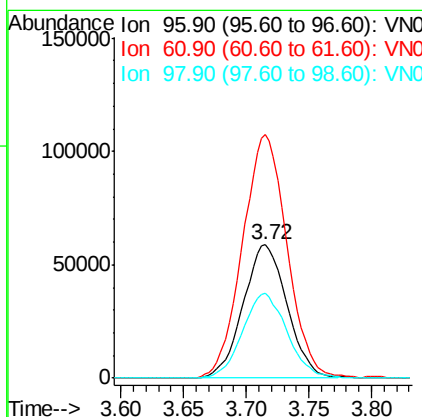
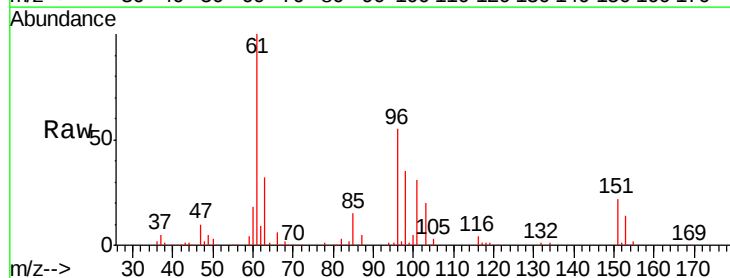
Tgt Ion: 59 Resp: 198546
 Ion Ratio Lower Upper
 59 100
 57 3.3 8.6 13.0#

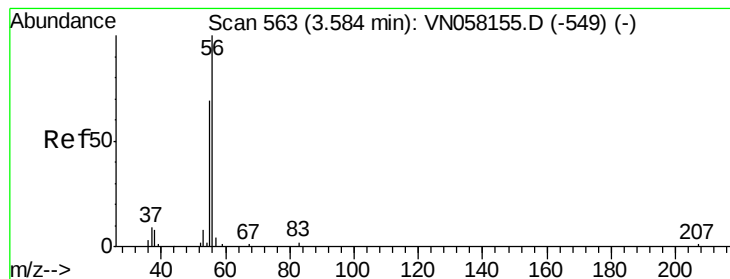


#12

1,1-Dichloroethene
 Concen: 46.730 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 96 Resp: 143348
 Ion Ratio Lower Upper
 96 100
 61 183.1 149.5 224.3
 98 63.8 52.4 78.6





#13

Acrolein

Concen: 290.612 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

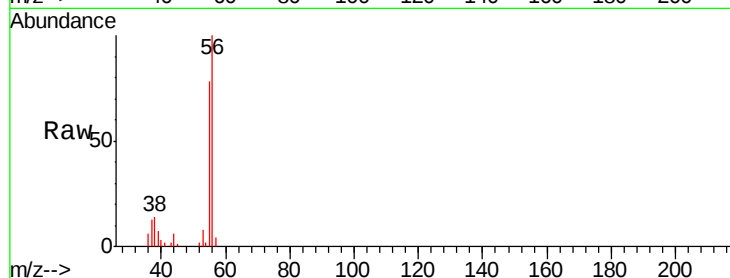
VSTDCCC050

Tgt Ion: 56 Resp: 35659

Ion Ratio Lower Upper

56 100

55 71.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN058155.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN058155.D (-549) (-)

3.58

15000

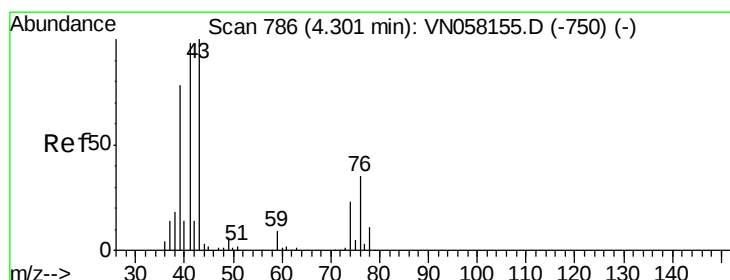
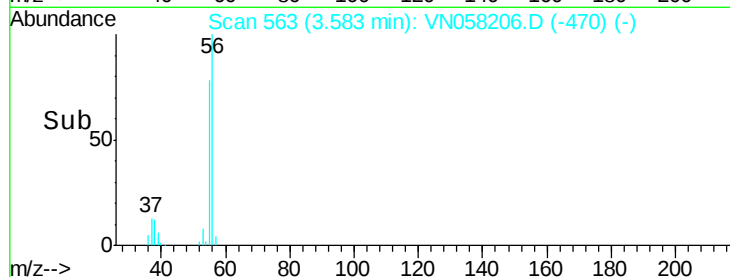
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 46.384 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

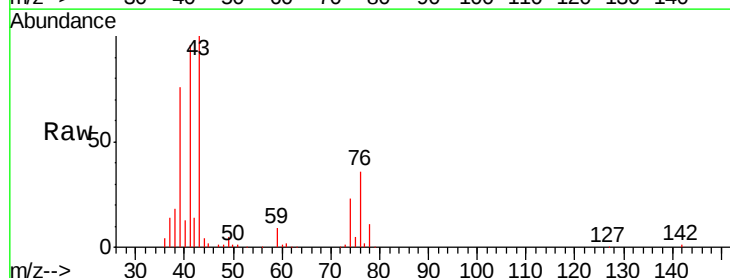
Tgt Ion: 41 Resp: 306643

Ion Ratio Lower Upper

41 100

39 73.9 59.1 88.7

76 32.3 25.1 37.7



Abundance Ion 41.00 (40.70 to 41.70): VN058155.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN058155.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN058155.D (-750) (-)

4.30

120000

100000

80000

60000

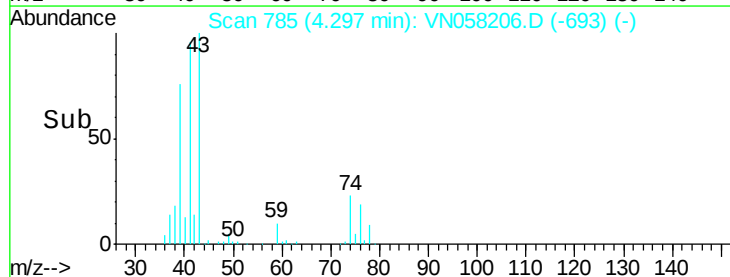
40000

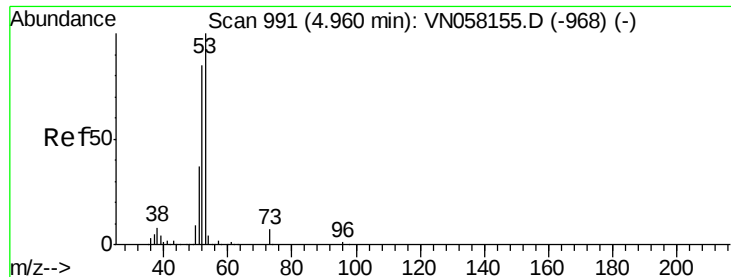
20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 247.652 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

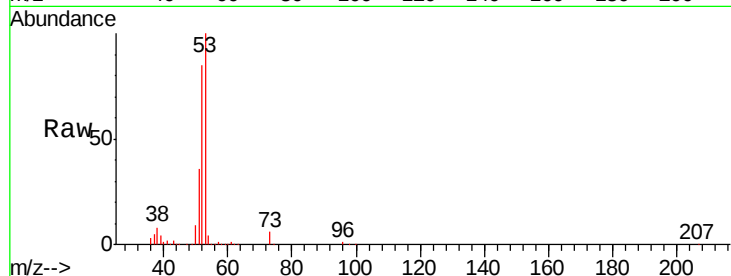
Tgt Ion: 53 Resp: 546312

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

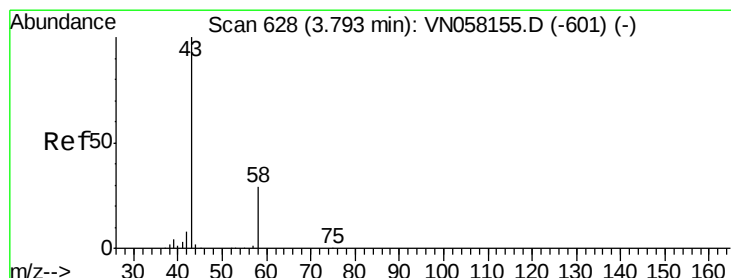
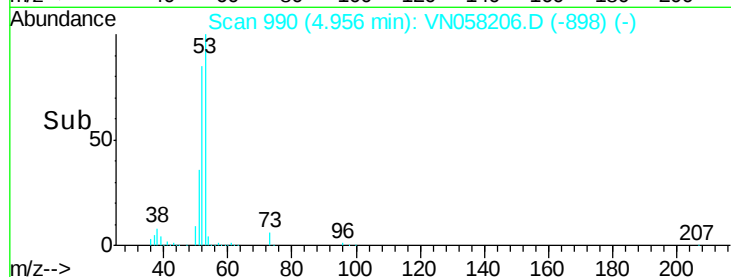
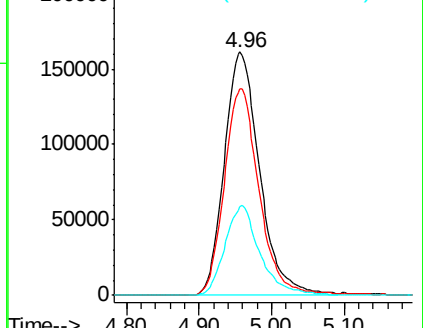
51 36.5 29.7 44.5



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: 236.734 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN058206.D

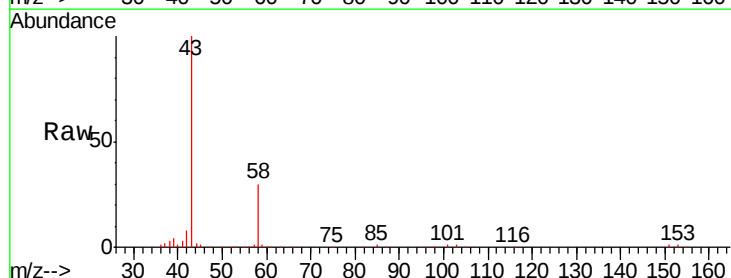
Acq: 19 Sep 2019 15:49

Tgt Ion: 43 Resp: 559331

Ion Ratio Lower Upper

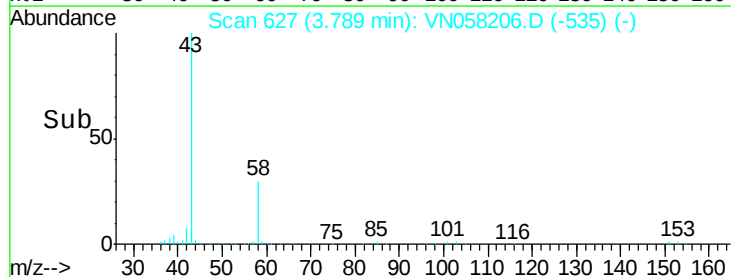
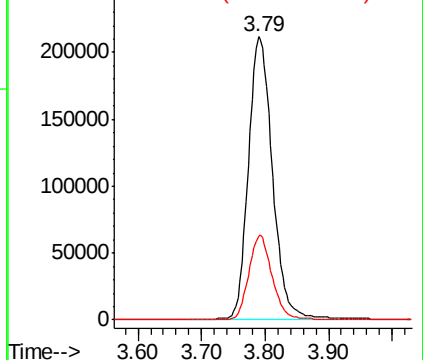
43 100

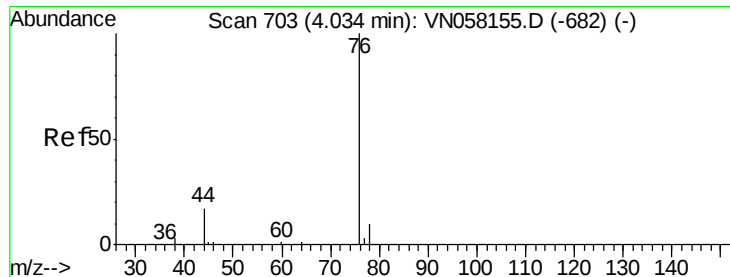
58 29.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

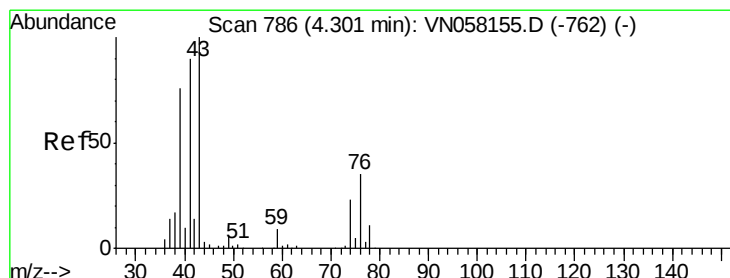
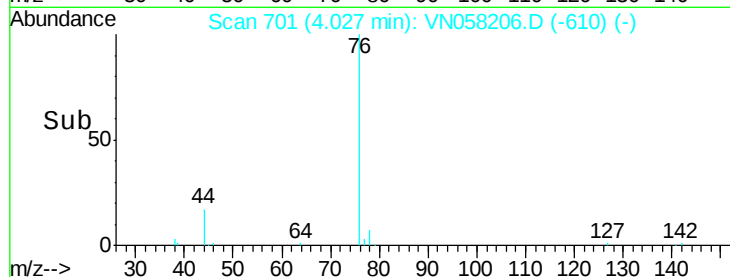
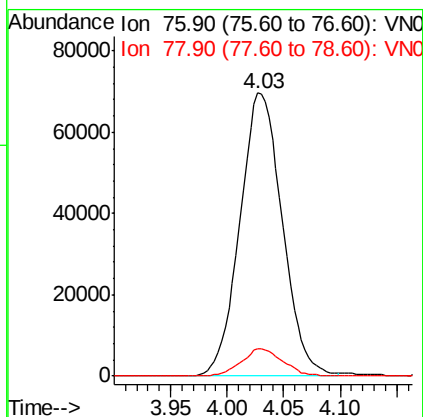
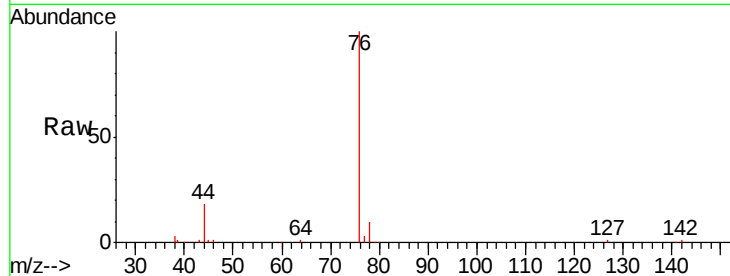




#17
Carbon Disulfide
Concen: 42.215 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.01 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

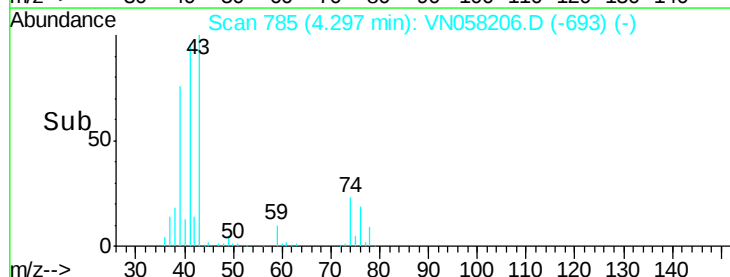
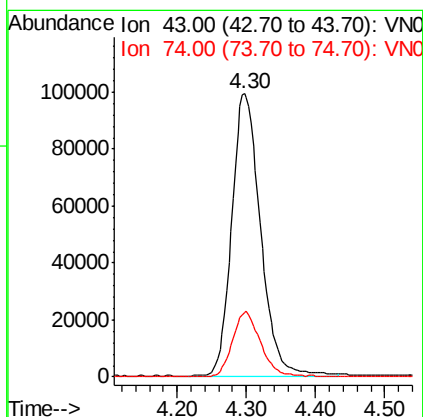
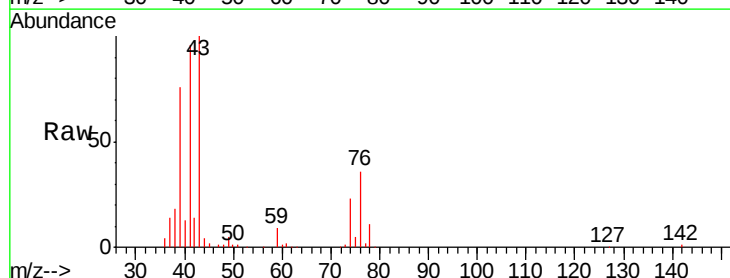
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

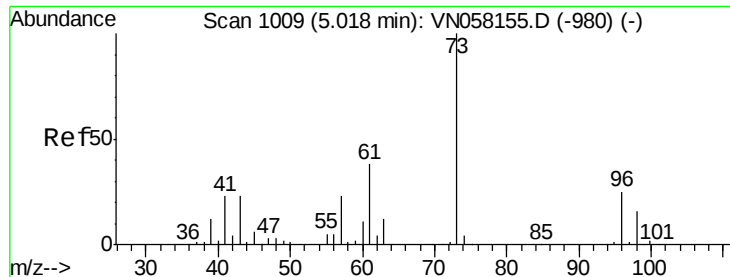
Tgt Ion: 76 Resp: 182003
Ion Ratio Lower Upper
76 100
78 9.8 7.7 11.5



#18
Methyl Acetate
Concen: 46.287 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 43 Resp: 287766
Ion Ratio Lower Upper
43 100
74 22.5 18.0 27.0

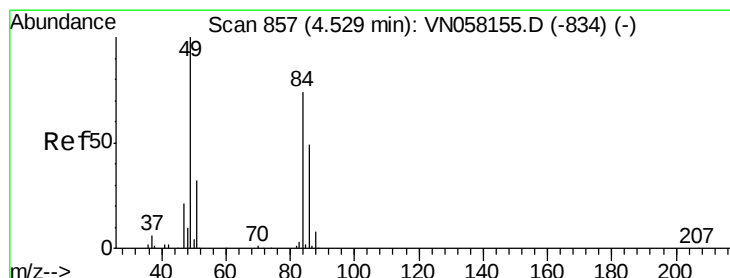
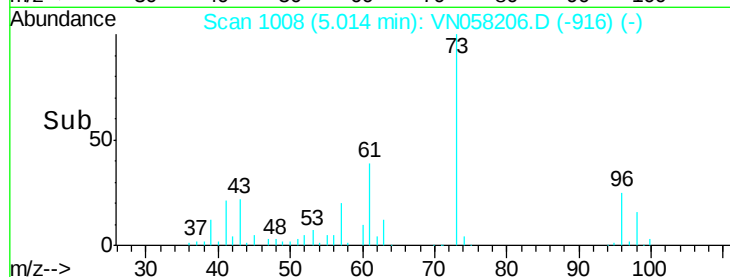
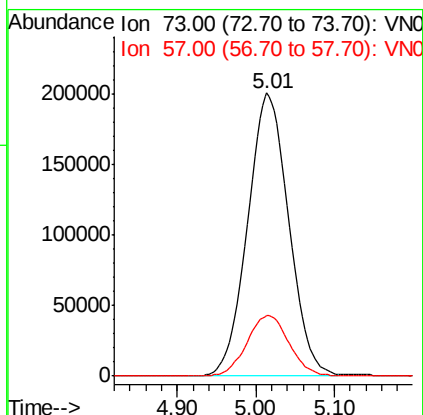
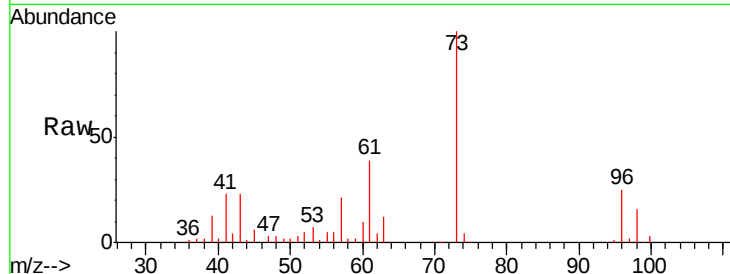




#19
Methyl tert-butyl Ether
Concen: 48.483 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

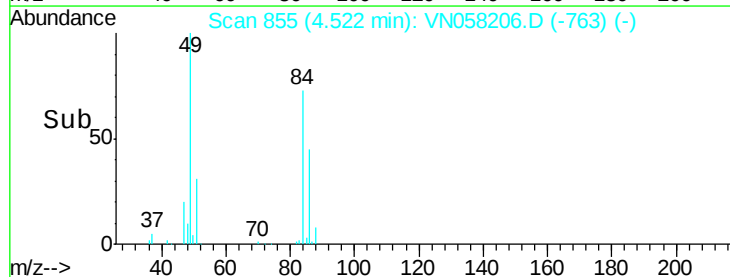
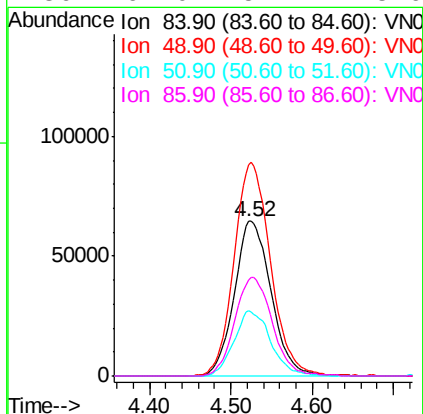
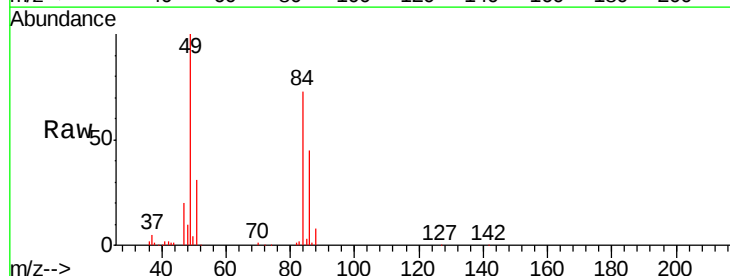
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

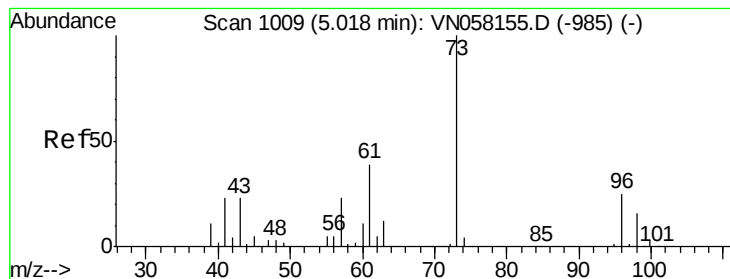
Tgt Ion: 73 Resp: 738790
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1



#20
Methylene Chloride
Concen: 48.742 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 84 Resp: 201648
Ion Ratio Lower Upper
84 100
49 136.6 107.5 161.3
51 42.6 33.9 50.9
86 62.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 47.364 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

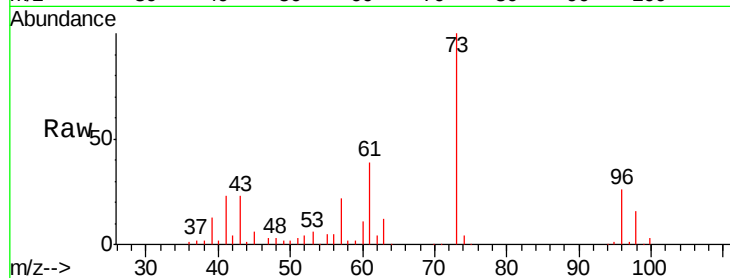
Tgt Ion: 96 Resp: 158314

Ion Ratio Lower Upper

96 100

61 150.4 122.2 183.4

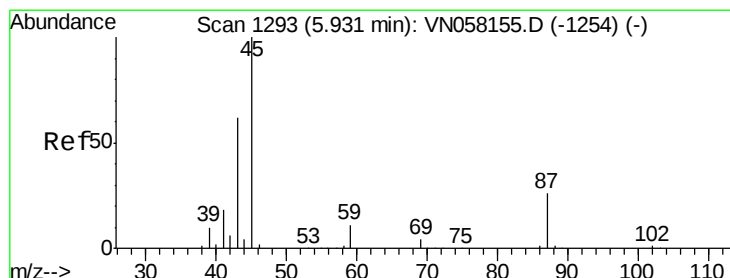
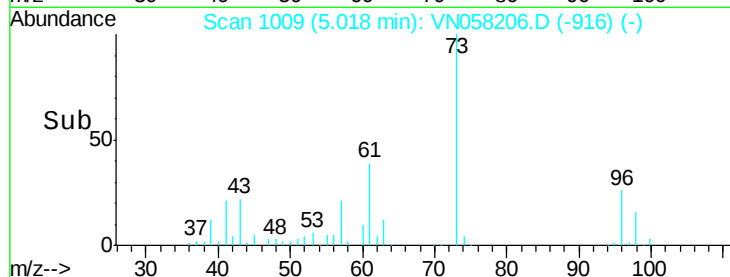
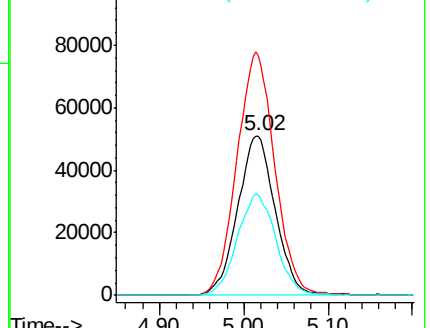
98 63.0 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN058206.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN058206.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN058206.D (-916) (-)



#22

Diisopropyl ether

Concen: 49.190 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion: 45 Resp: 826070

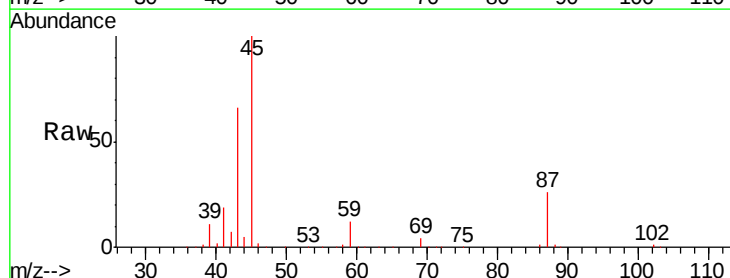
Ion Ratio Lower Upper

45 100

43 65.3 49.7 74.5

87 25.6 20.7 31.1

59 11.4 9.1 13.7

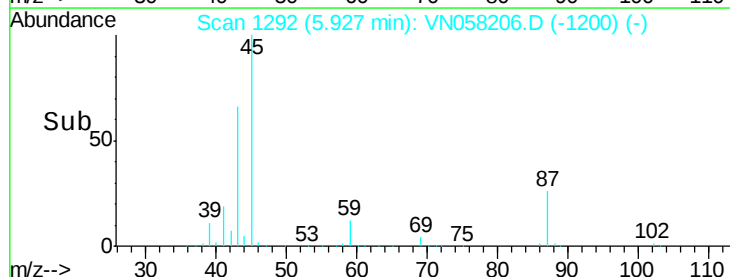
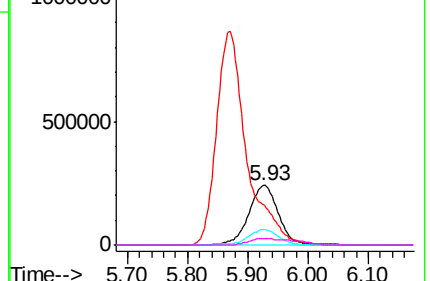


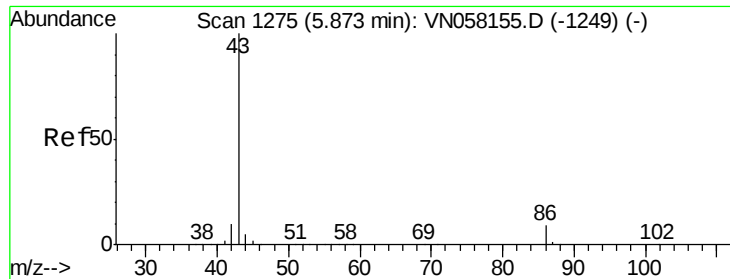
Abundance Ion 45.00 (44.70 to 45.70): VN058206.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058206.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058206.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058206.D (-1200) (-)





#23

Vinyl Acetate

Concen: 259.455 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

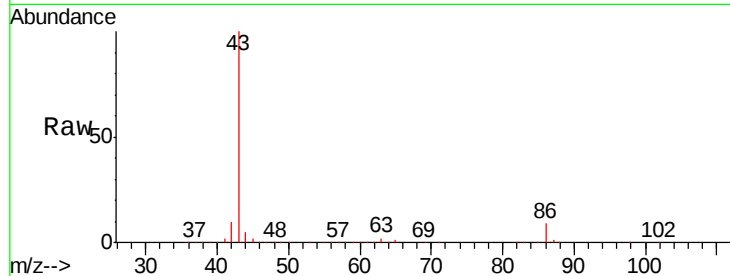
VSTDCCC050

Tgt Ion: 43 Resp: 2981380

Ion Ratio Lower Upper

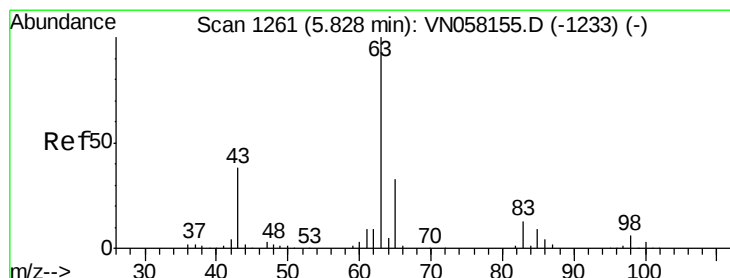
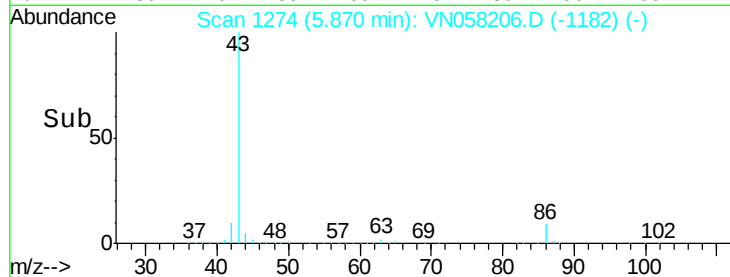
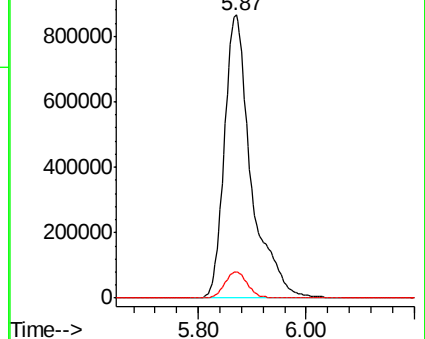
43 100

86 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.488 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

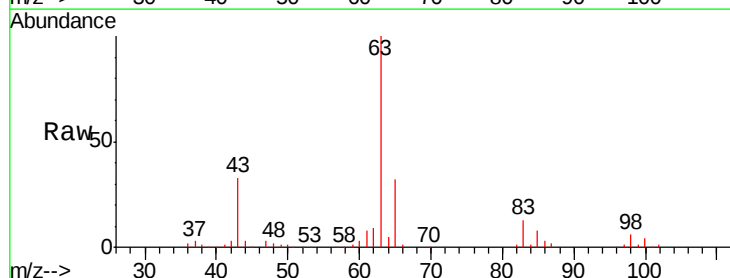
Tgt Ion: 63 Resp: 425630

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.6

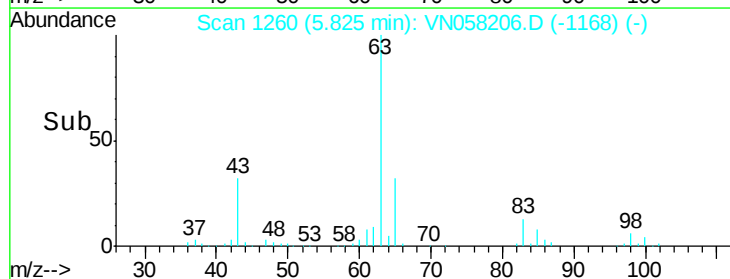
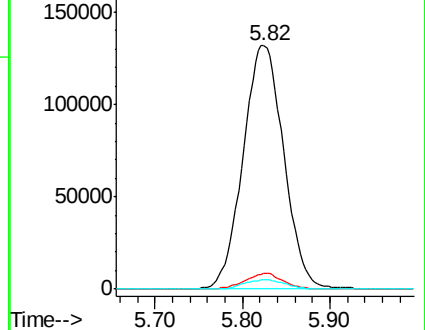
100 3.8 1.8 5.3

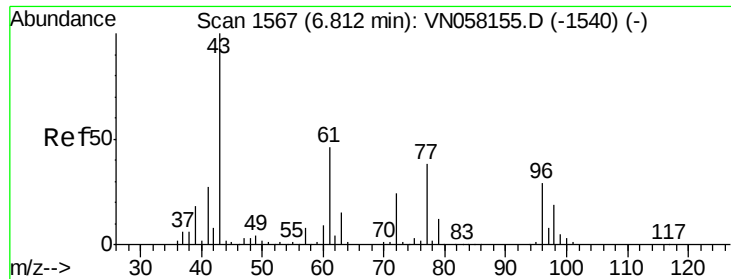


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 249.890 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

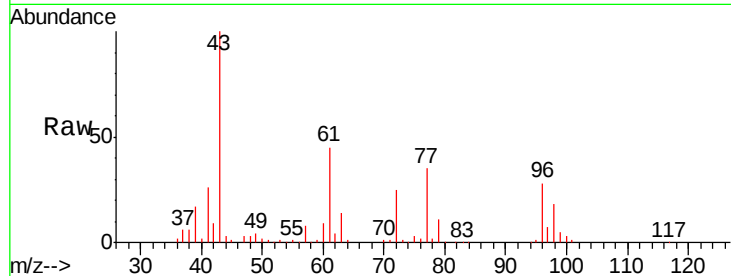
VSTDCCC050

Tgt Ion: 43 Resp: 804370

Ion Ratio Lower Upper

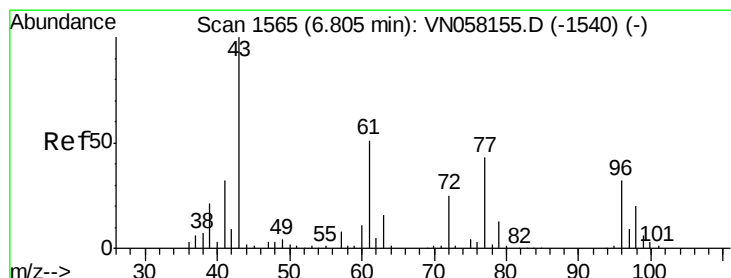
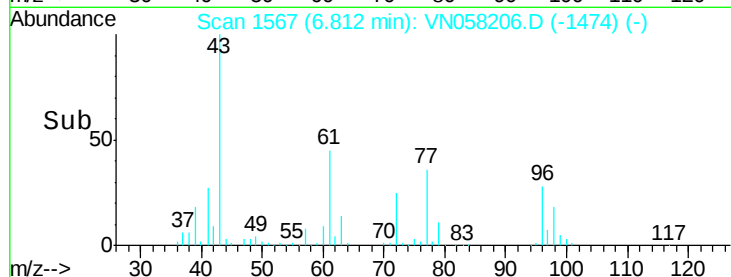
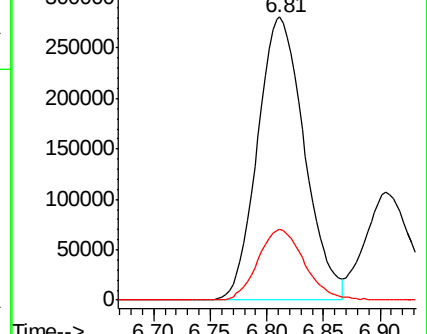
43 100

72 25.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 46.721 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058206.D

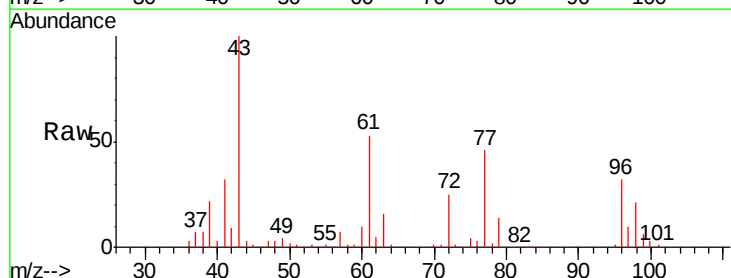
Acq: 19 Sep 2019 15:49

Tgt Ion: 77 Resp: 355256

Ion Ratio Lower Upper

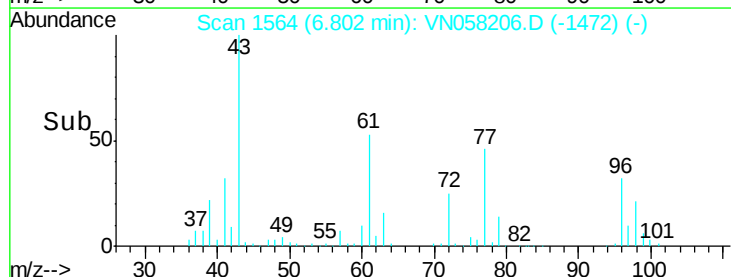
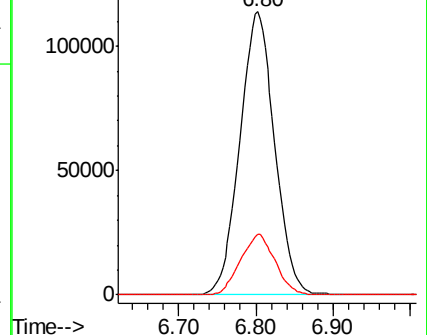
77 100

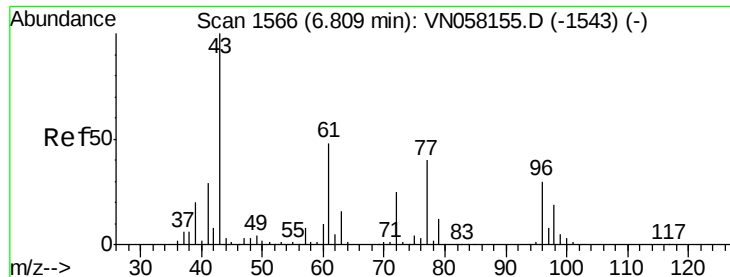
97 21.4 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.051 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

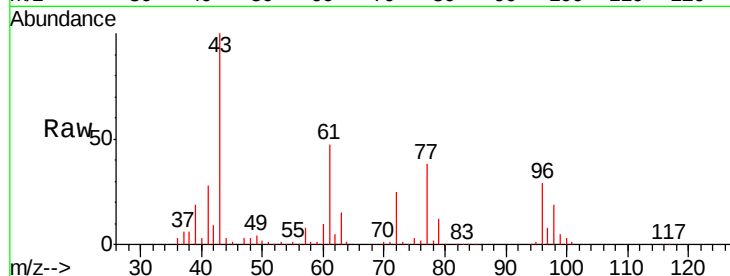
Tgt Ion: 96 Resp: 238450

Ion Ratio Lower Upper

96 100

61 163.2 0.0 319.0

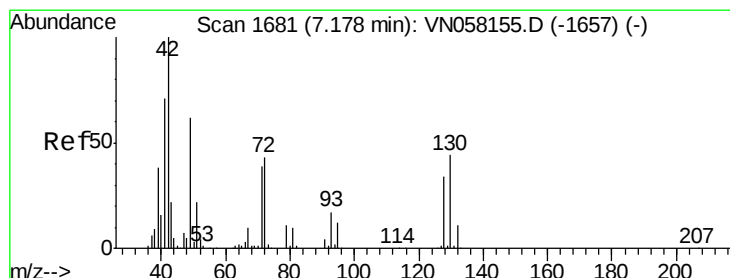
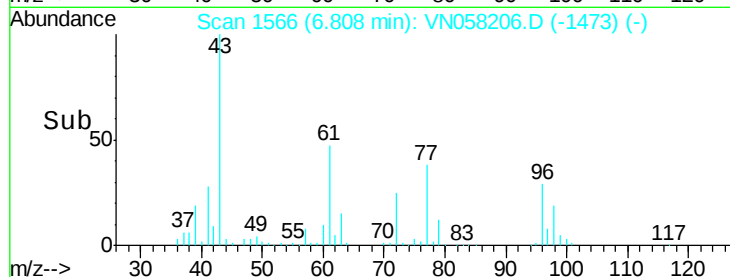
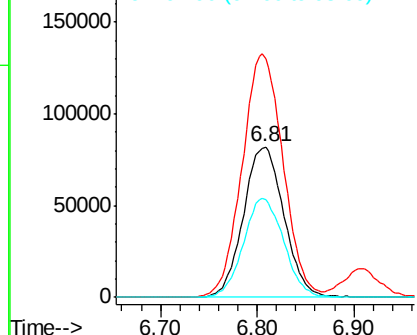
98 65.6 0.0 126.6



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: 51.460 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

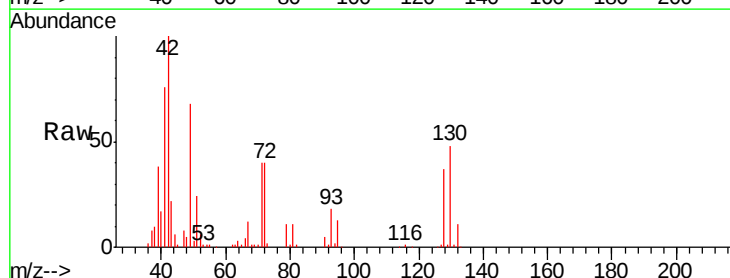
Tgt Ion: 49 Resp: 218189

Ion Ratio Lower Upper

49 100

129 1.8 0.0 1.8#

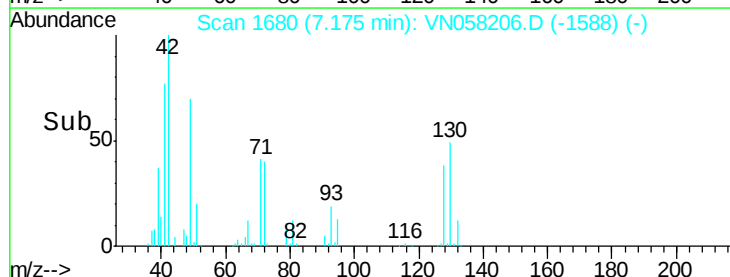
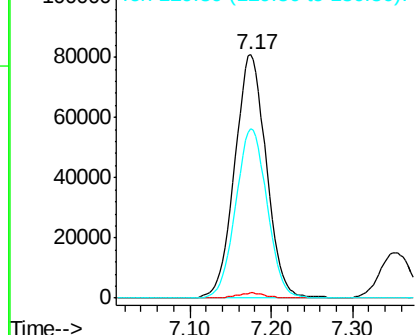
130 69.1 55.4 83.2

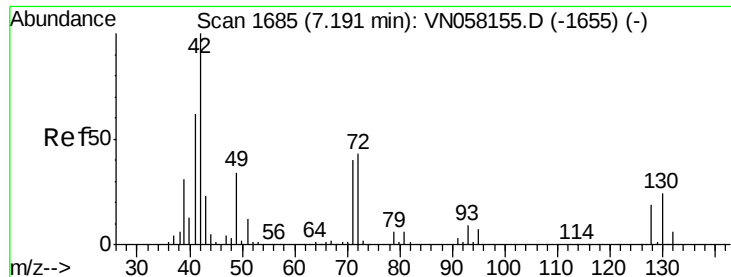


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

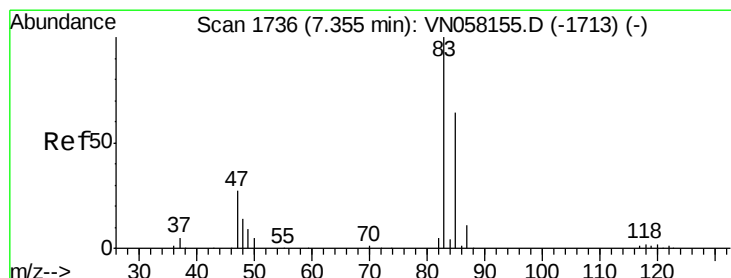
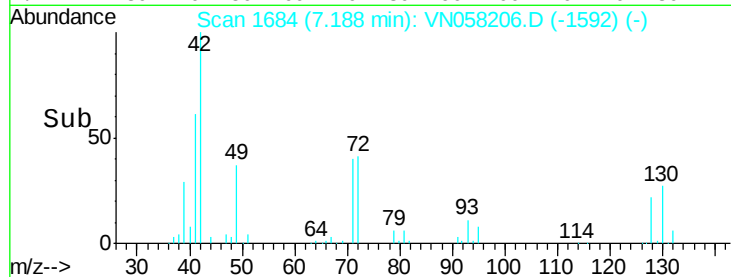
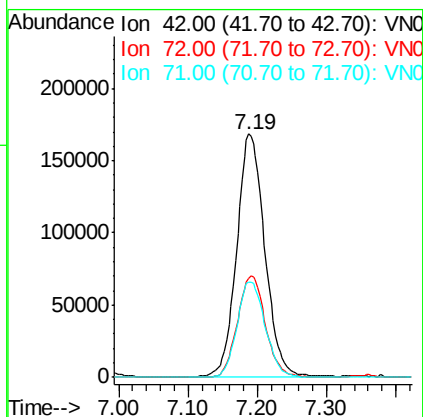
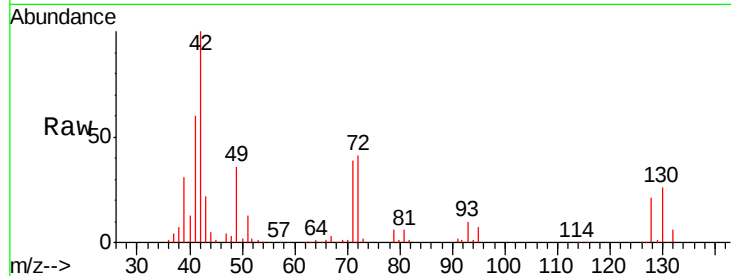




#29
Tetrahydrofuran
Concen: 239.551 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

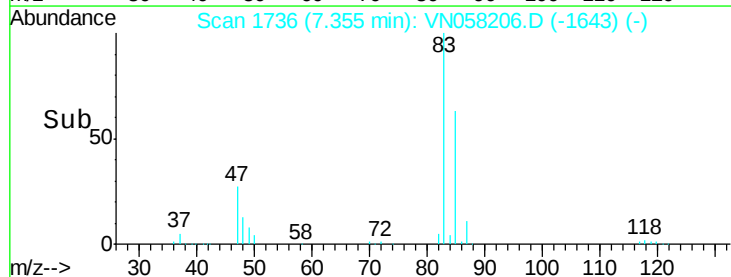
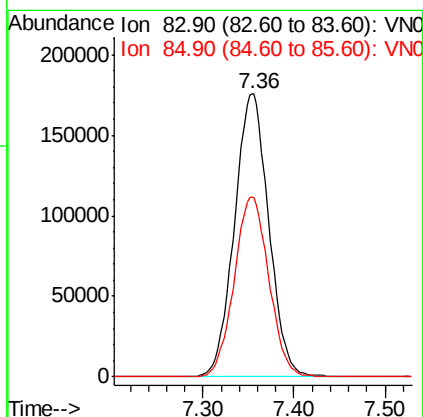
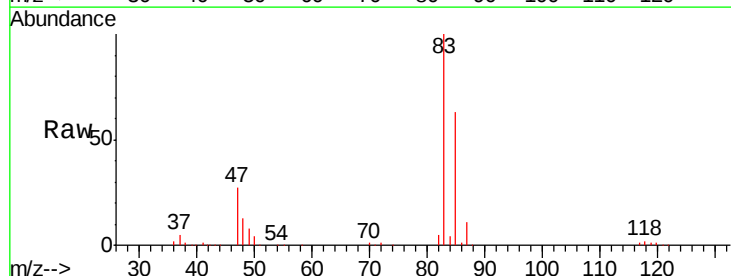
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

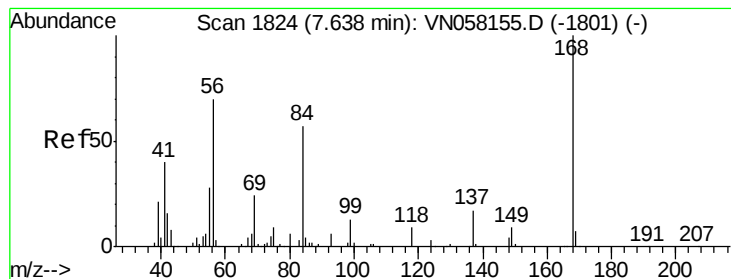
Tgt Ion: 42 Resp: 474970
Ion Ratio Lower Upper
42 100
72 41.5 33.8 50.6
71 39.5 31.4 47.0



#30
Chloroform
Concen: 47.722 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 83 Resp: 460410
Ion Ratio Lower Upper
83 100
85 63.3 51.4 77.2





#31

Cyclohexane

Concen: 47.390 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

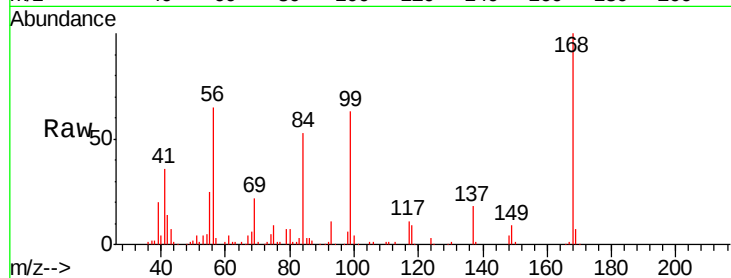
Tgt Ion: 56 Resp: 275292

Ion Ratio Lower Upper

56 100

69 33.9 27.3 40.9

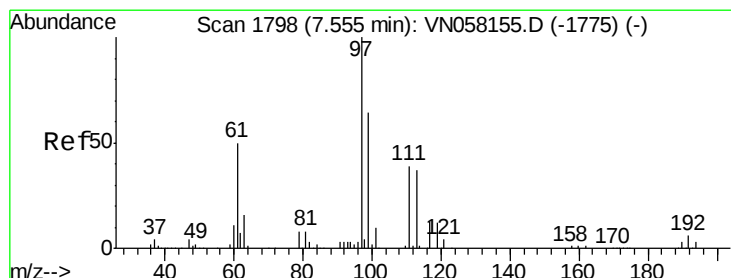
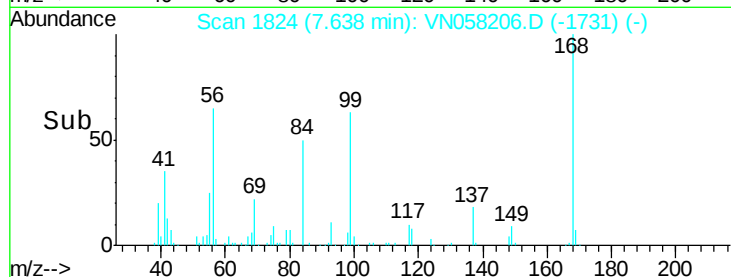
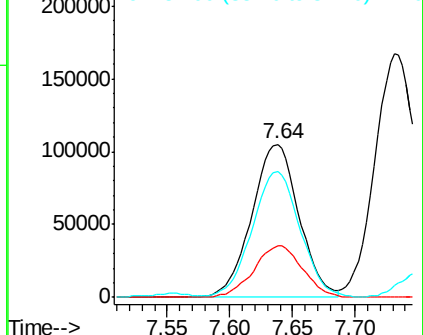
84 80.3 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.944 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

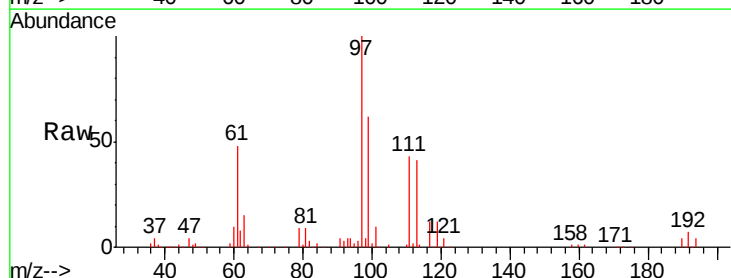
Tgt Ion: 97 Resp: 359475

Ion Ratio Lower Upper

97 100

99 63.1 50.9 76.3

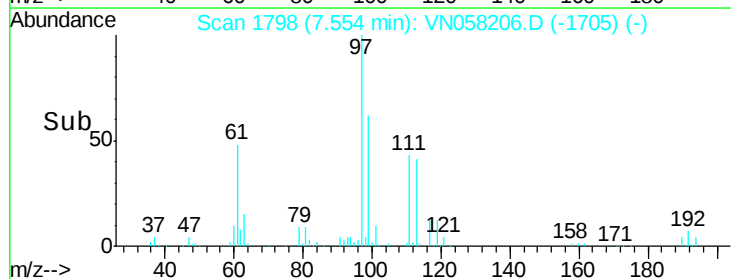
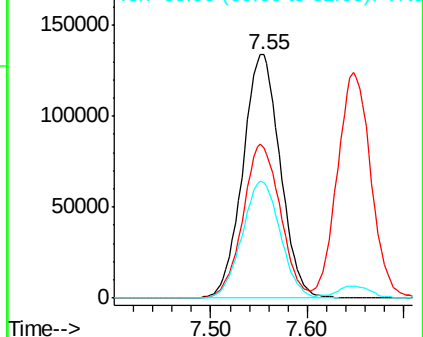
61 48.8 39.2 58.8

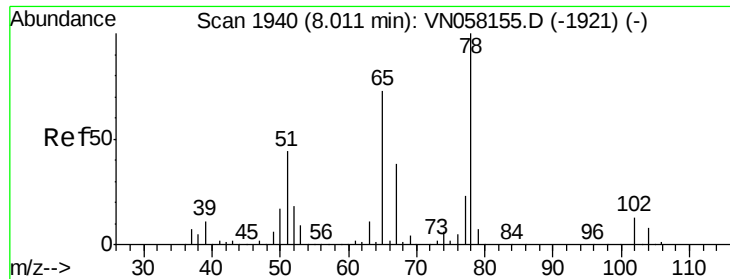


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.046 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

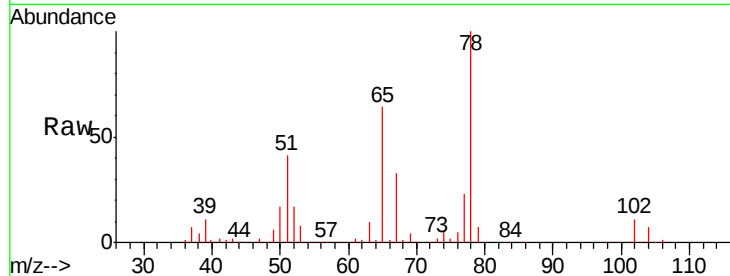
VSTDCCC050

Tgt Ion: 65 Resp: 355308

Ion Ratio Lower Upper

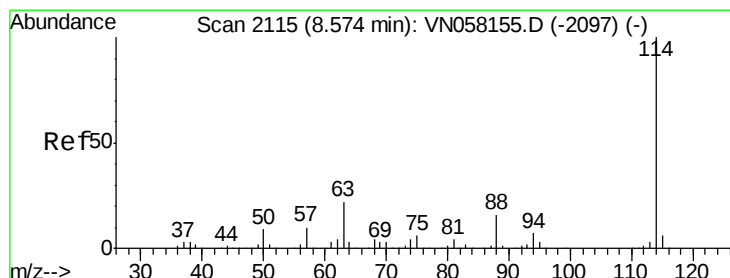
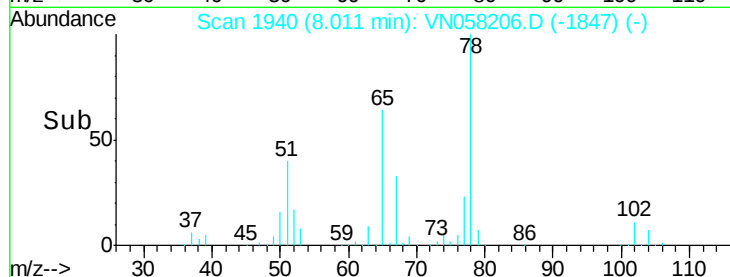
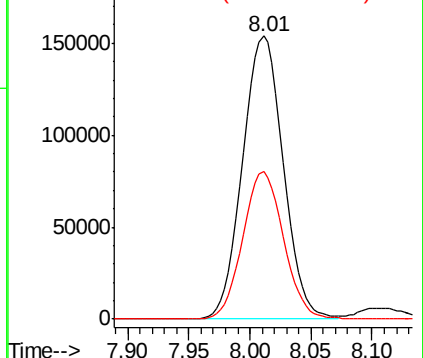
65 100

67 52.2 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

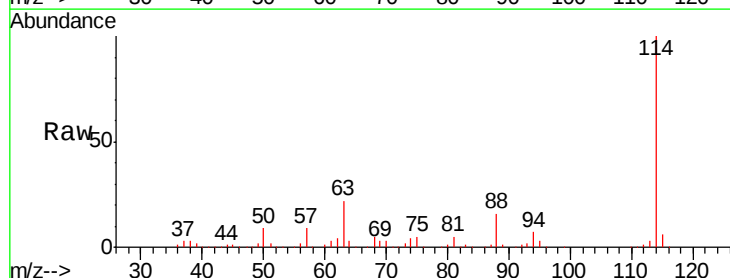
Tgt Ion: 114 Resp: 831558

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

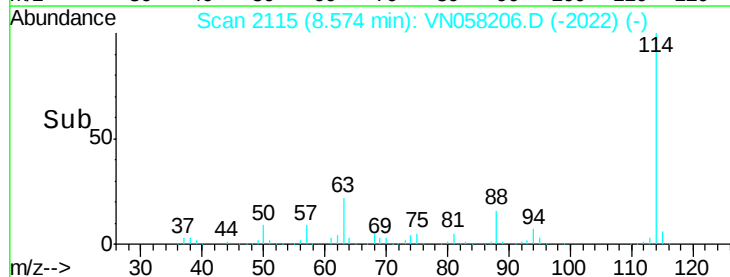
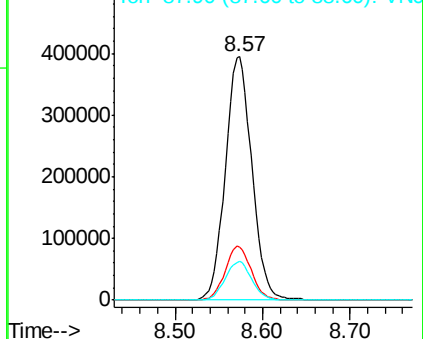
88 15.9 0.0 31.6

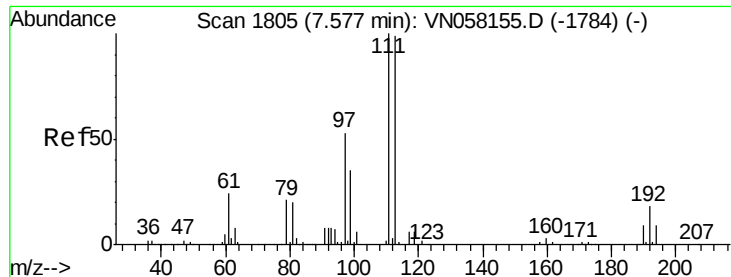


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.645 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

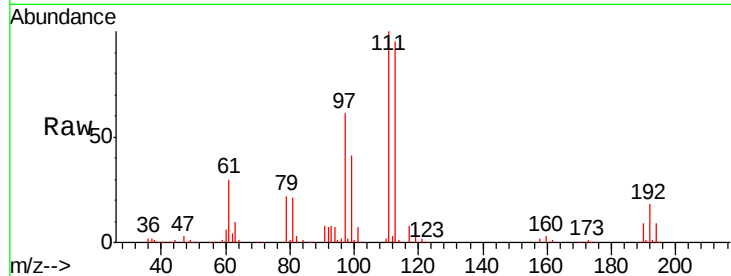
Tgt Ion: 113 Resp: 256021

Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.6

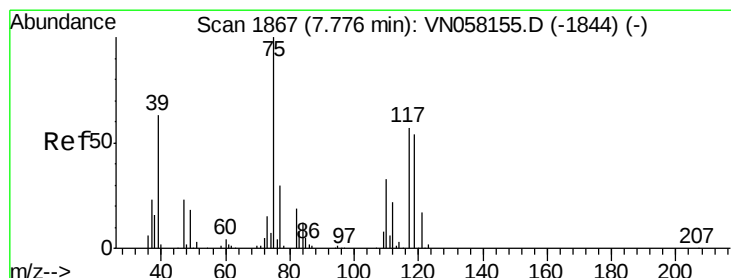
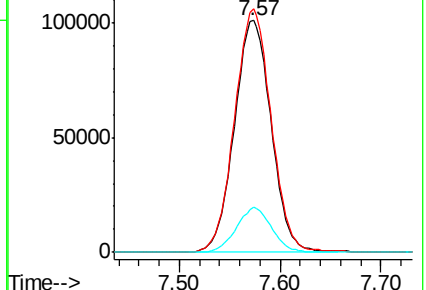
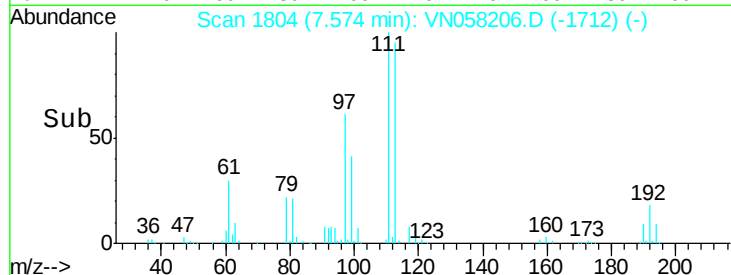
192 18.4 14.5 21.7



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: 45.071 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

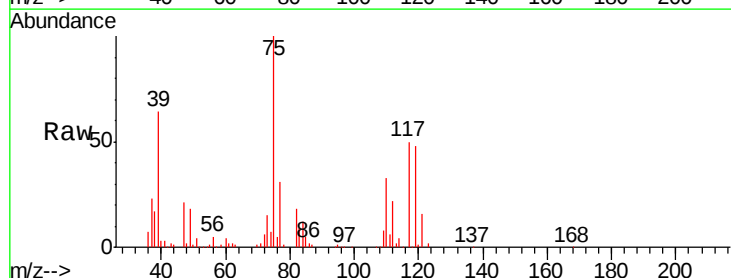
Tgt Ion: 75 Resp: 270280

Ion Ratio Lower Upper

75 100

110 33.1 16.6 49.7

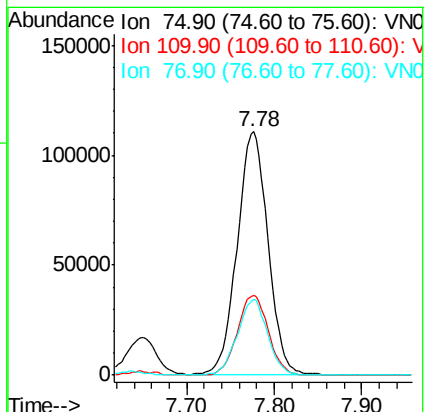
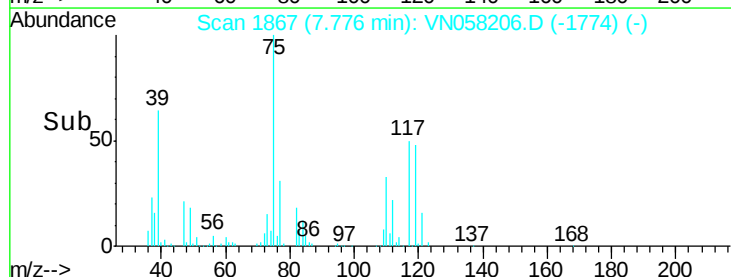
77 30.7 24.3 36.5

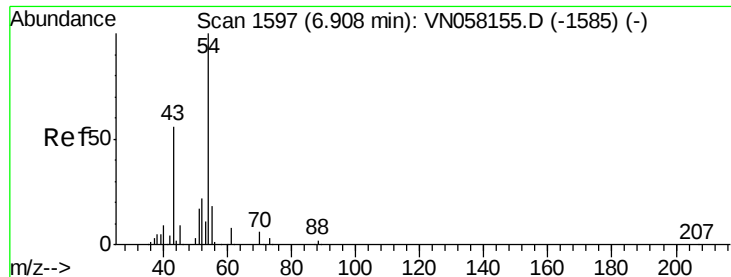


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

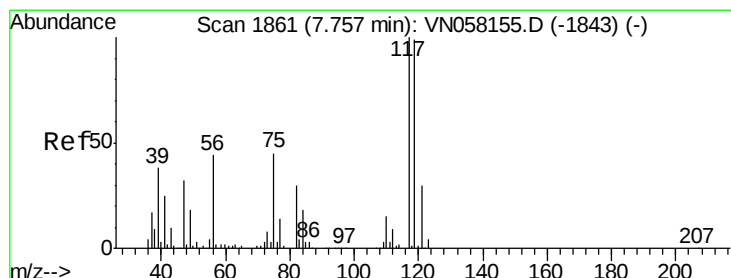
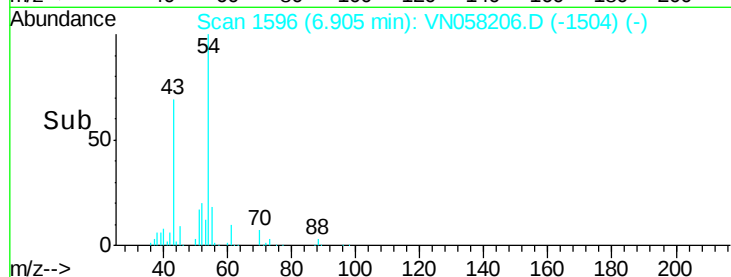
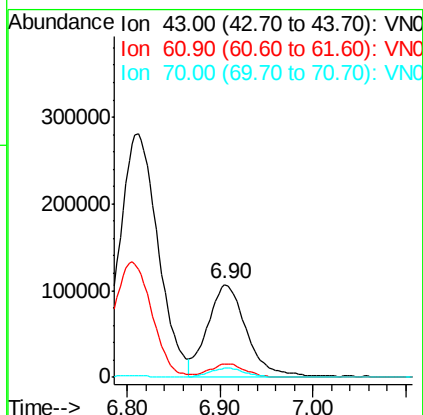
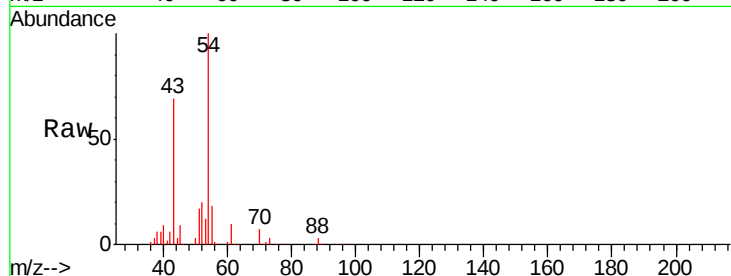




#37
Ethyl Acetate
Concen: 49.258 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

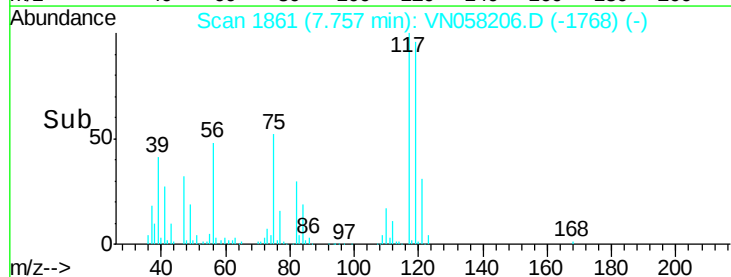
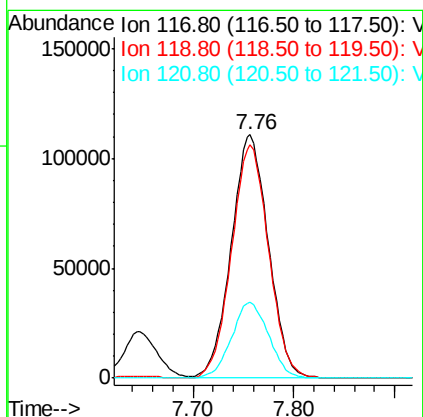
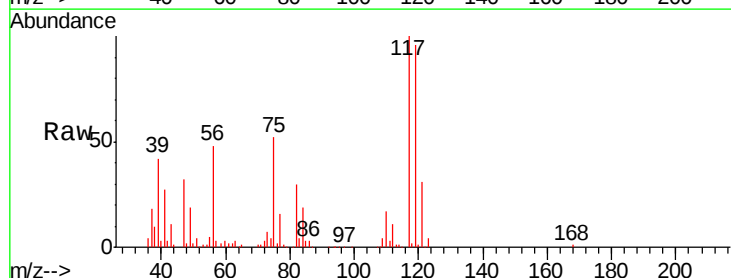
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

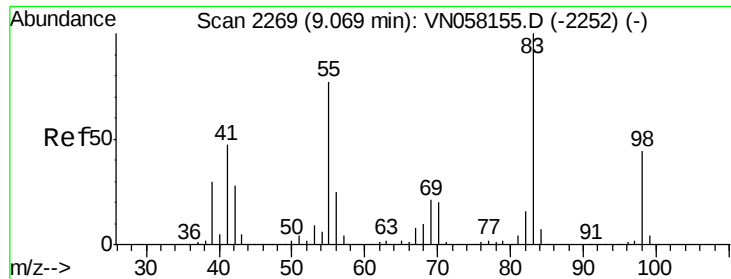
Tgt Ion: 43 Resp: 306546
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 46.970 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 117 Resp: 283143
Ion Ratio Lower Upper
117 100
119 95.7 78.6 117.8
121 31.1 24.1 36.1

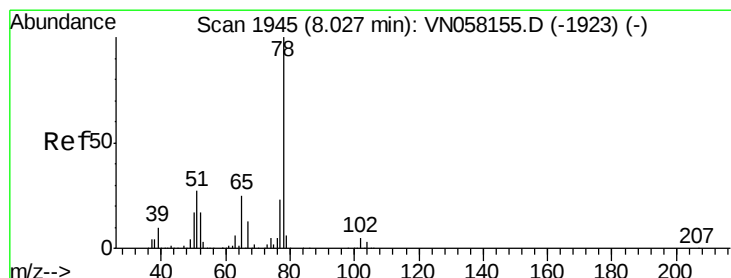
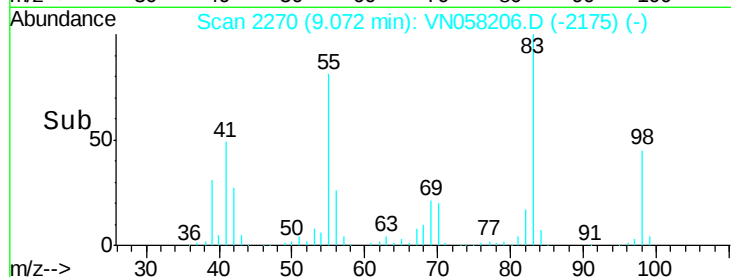
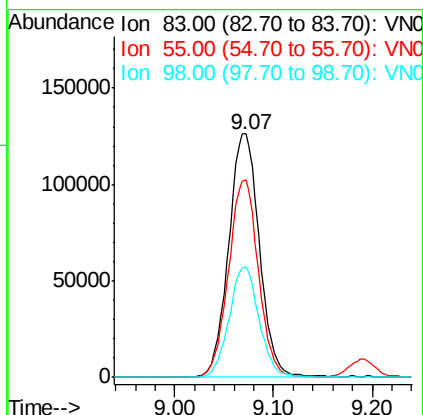
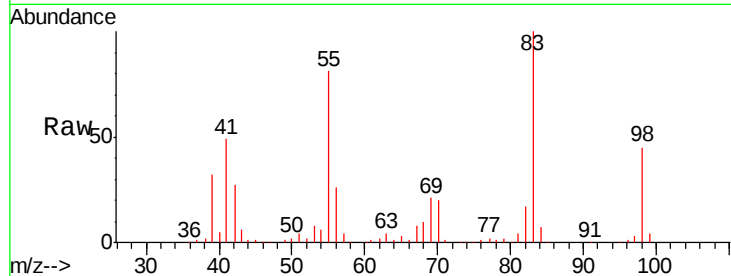




#39
Methylcyclohexane
Concen: 47.450 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

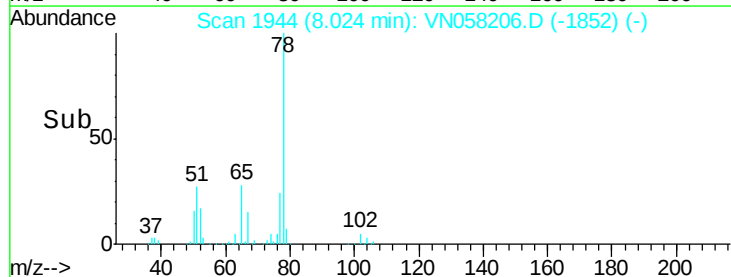
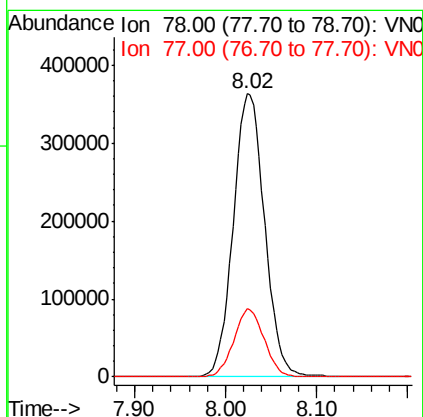
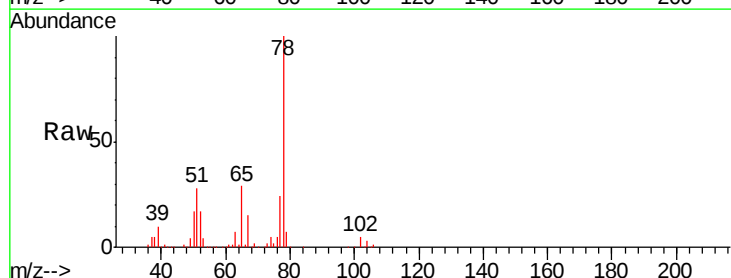
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

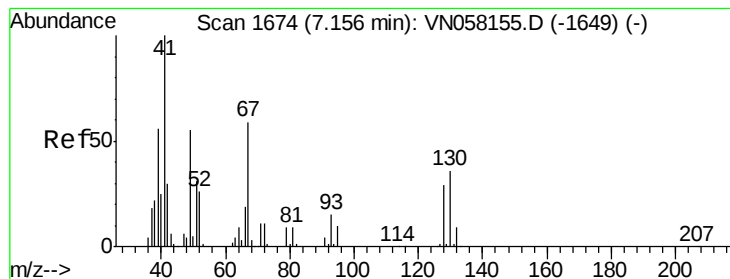
Tgt Ion: 83 Resp: 275100
Ion Ratio Lower Upper
83 100
55 81.2 61.9 92.9
98 45.2 35.4 53.2



#40
Benzene
Concen: 47.478 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 78 Resp: 869615
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2





#41

Methacrylonitrile

Concen: 48.738 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 152728

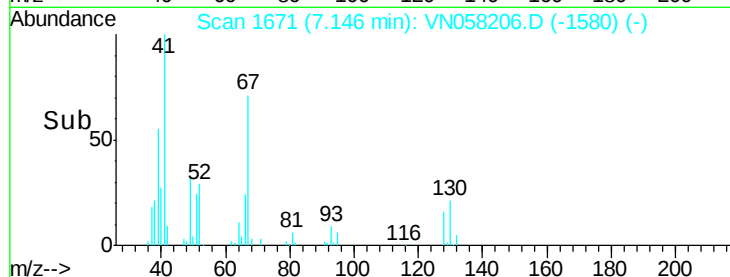
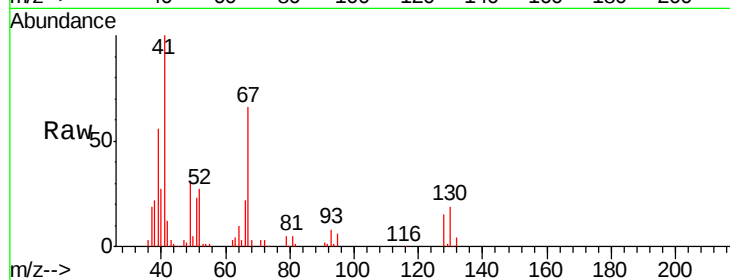
Ion Ratio Lower Upper

41 100

39 61.4 0.0 0.0#

67 84.4 0.0 0.0#

52 38.3 0.0 0.0#

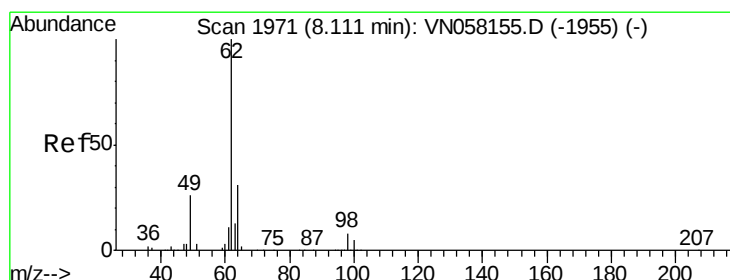
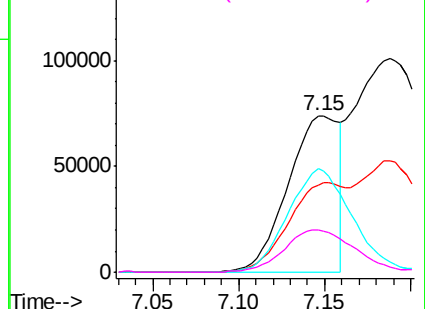


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 47.681 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN058206.D

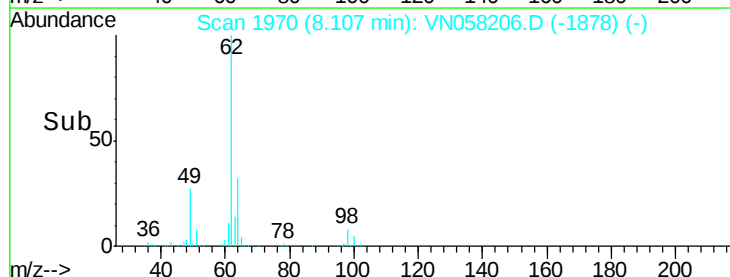
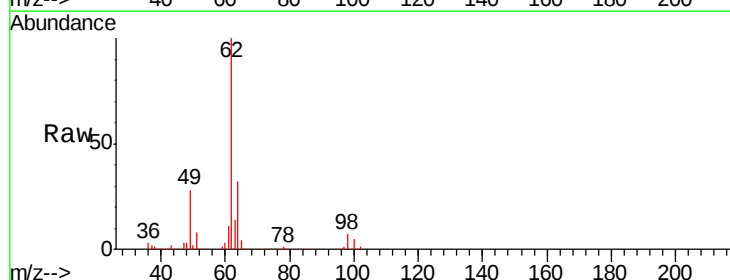
Acq: 19 Sep 2019 15:49

Tgt Ion: 62 Resp: 366453

Ion Ratio Lower Upper

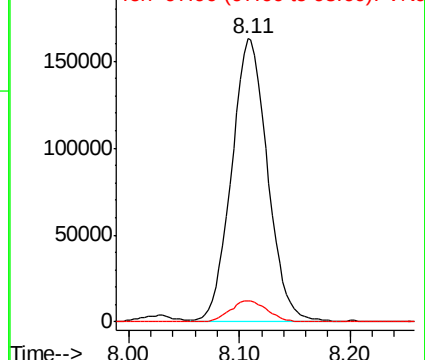
62 100

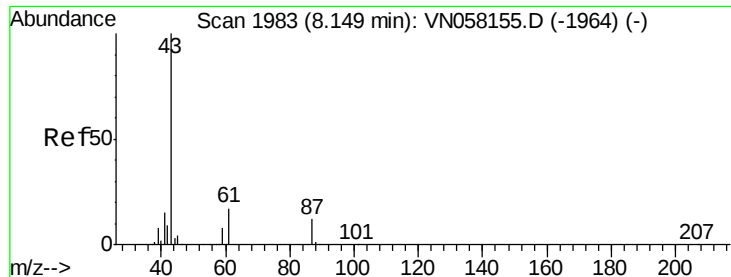
98 7.7 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

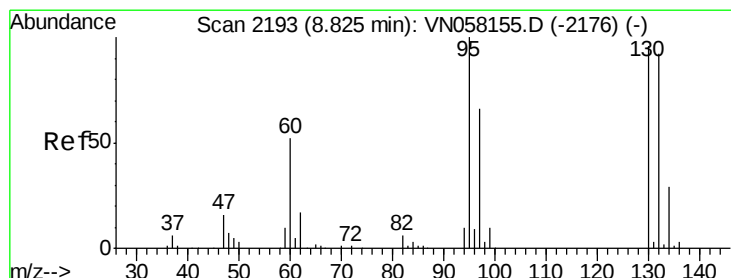
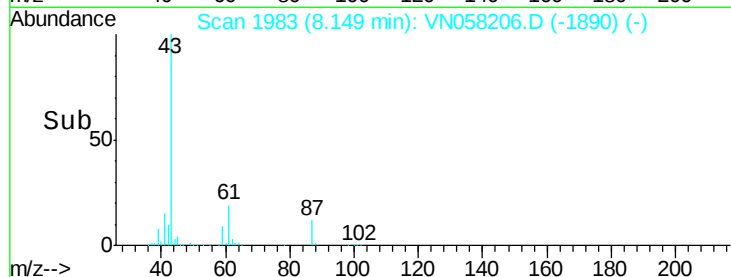
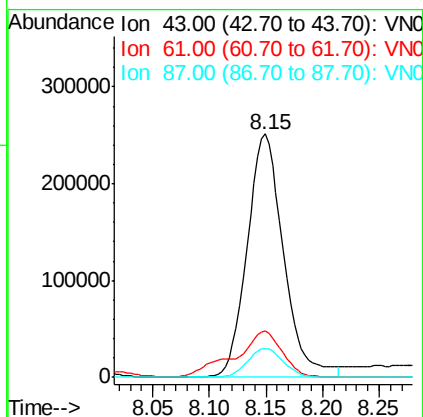
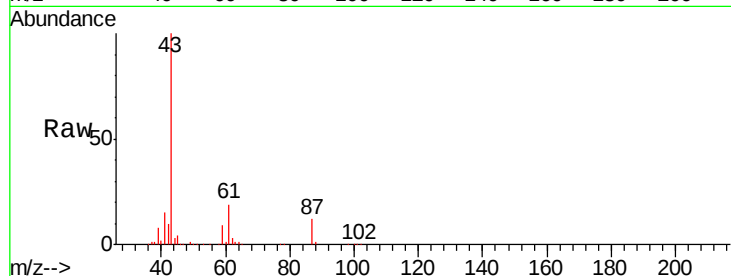




#43
Isopropyl Acetate
Concen: 48.218 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

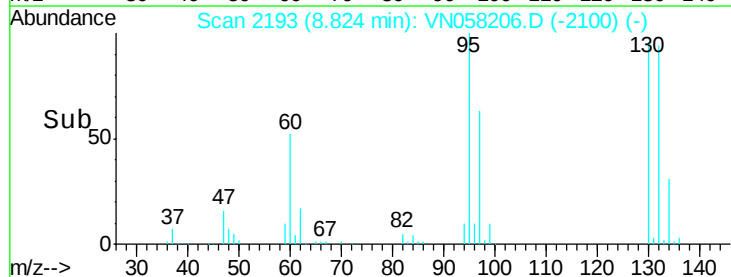
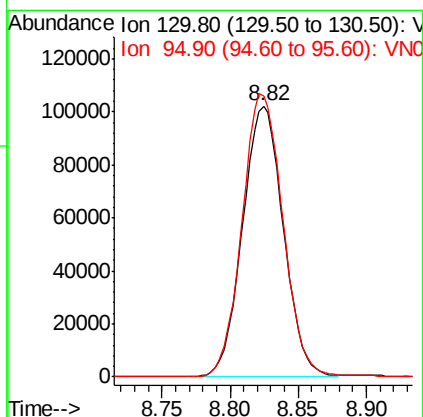
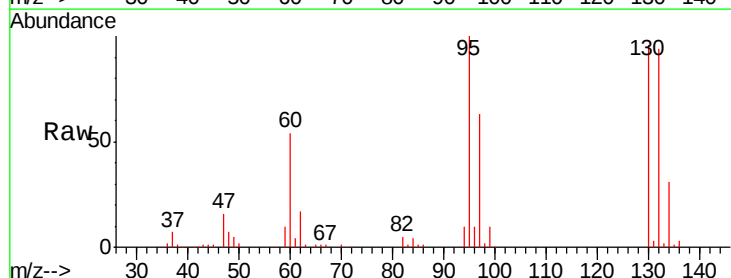
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

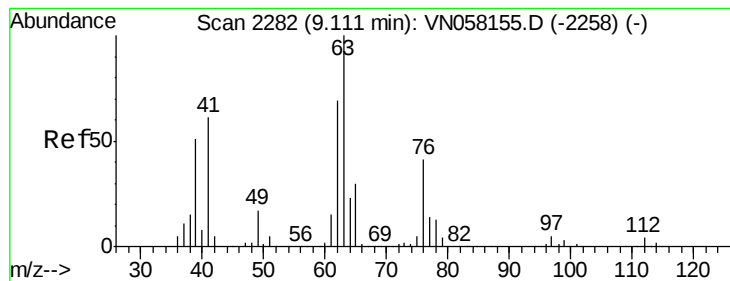
Tgt Ion: 43 Resp: 560431
Ion Ratio Lower Upper
43 100
61 24.7 19.7 29.5
87 11.9 9.4 14.2



#44
Trichloroethene
Concen: 47.338 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 130 Resp: 212180
Ion Ratio Lower Upper
130 100
95 103.8 0.0 207.8





#45

1,2-Dichloropropane

Concen: 49.798 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

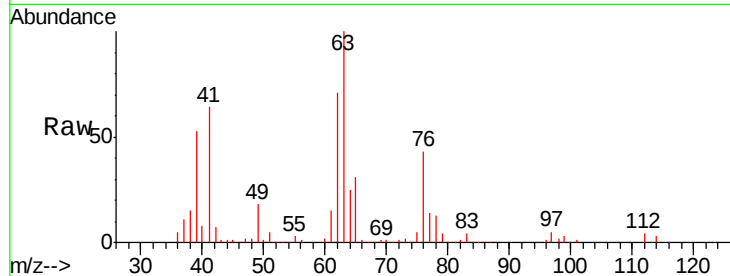
VSTDCCC050

Tgt Ion: 63 Resp: 272390

Ion Ratio Lower Upper

63 100

65 31.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

100000

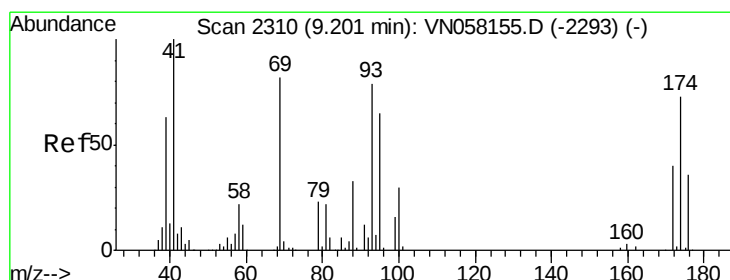
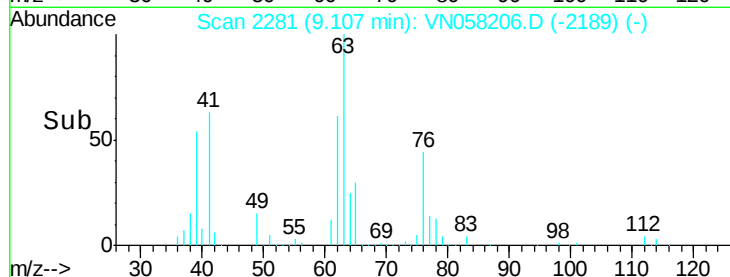
50000

0

9.11

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 48.855 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

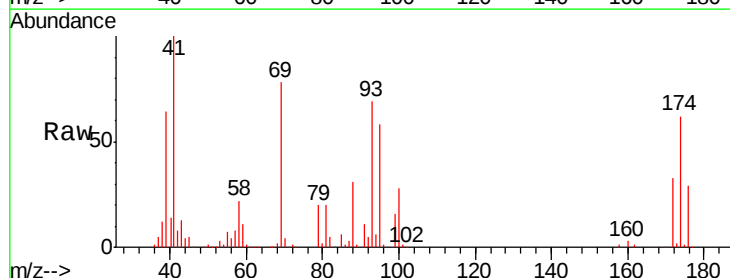
Tgt Ion: 93 Resp: 162473

Ion Ratio Lower Upper

93 100

95 83.4 66.8 100.2

174 91.3 73.8 110.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

40000

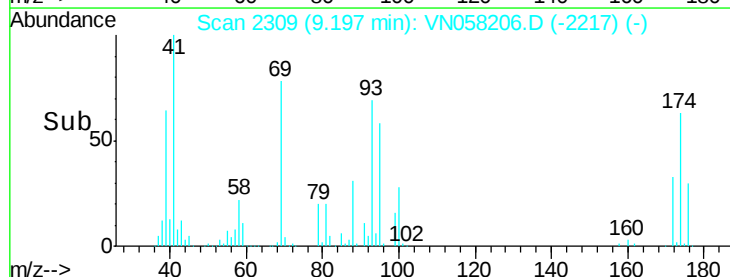
20000

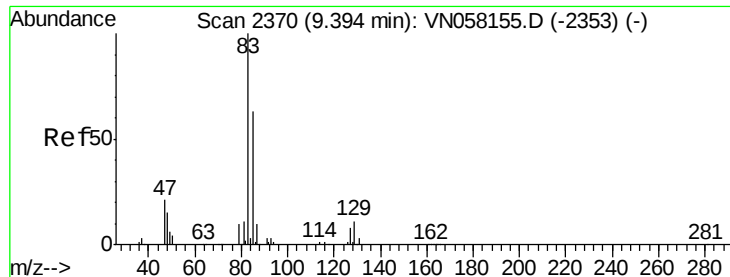
0

9.20

9.10 9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 50.856 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

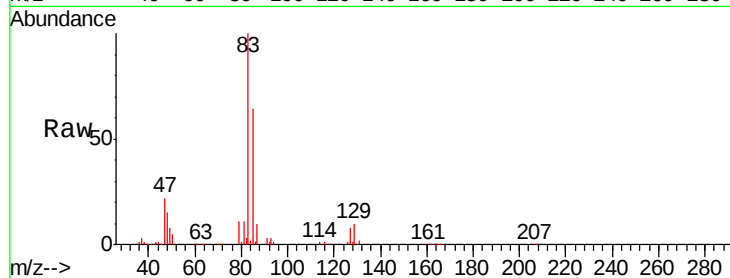
Tgt Ion: 83 Resp: 354315

Ion Ratio Lower Upper

83 100

85 64.1 50.1 75.1

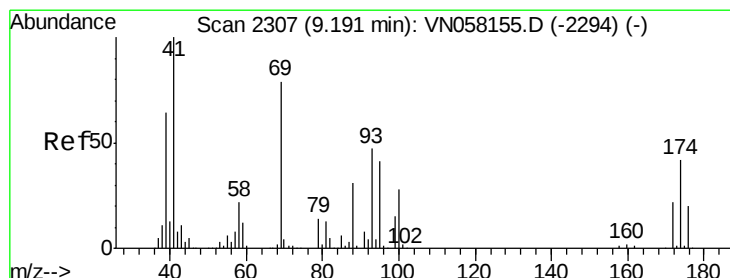
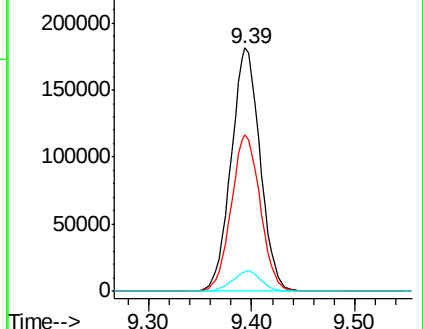
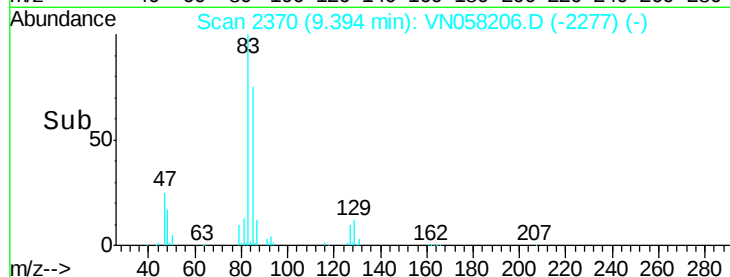
127 8.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN058206.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058206.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058206.D (-2277) (-)



#48

Methyl methacrylate

Concen: 49.894 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

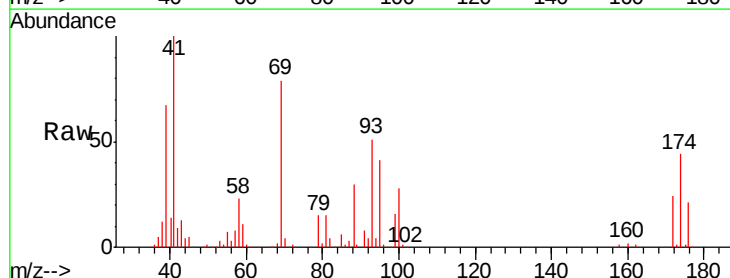
Tgt Ion: 41 Resp: 263302

Ion Ratio Lower Upper

41 100

69 79.3 62.5 93.7

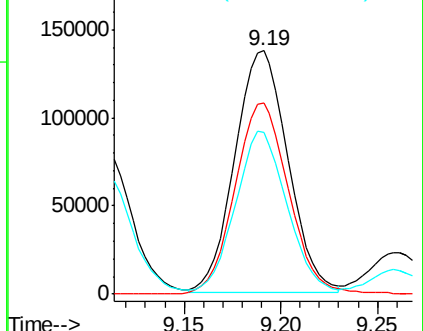
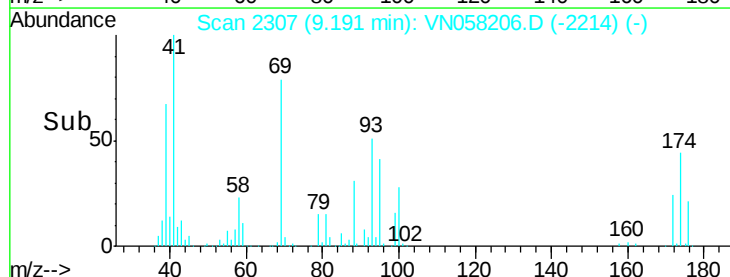
39 65.2 52.3 78.5

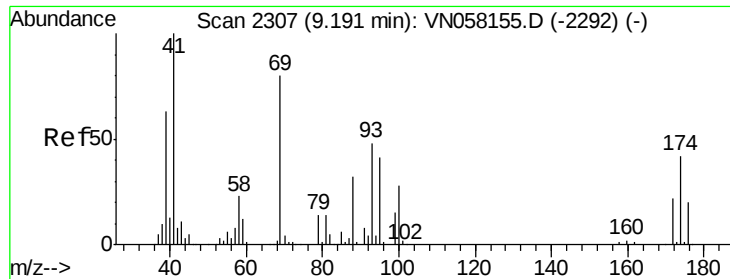


Abundance Ion 41.00 (40.70 to 41.70): VN058206.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058206.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058206.D (-2214) (-)

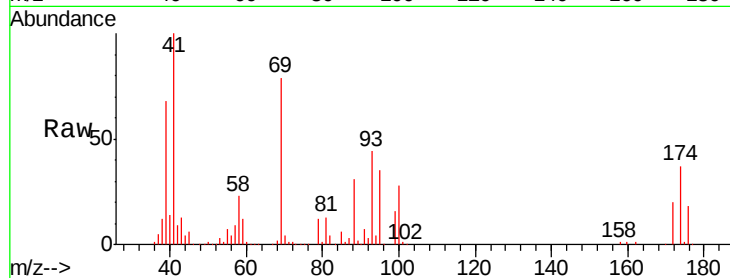




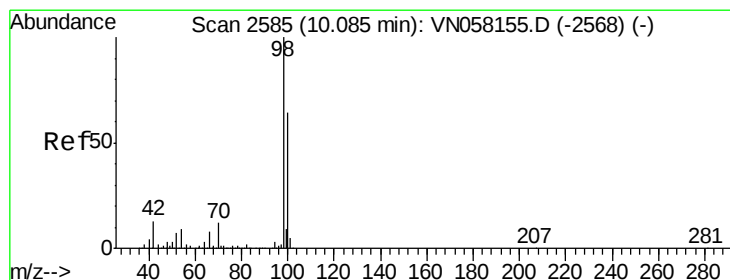
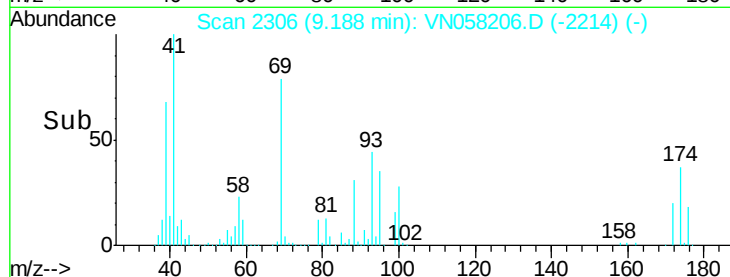
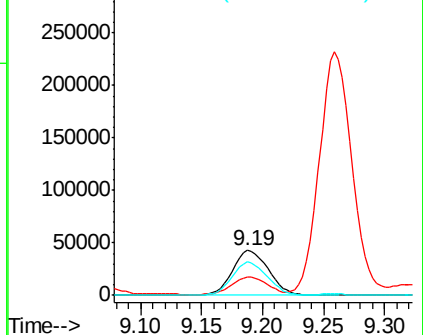
#49
 1,4-Dioxane
 Concen: 1019.968 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 88372
 Ion Ratio Lower Upper
 88 100
 43 38.1 27.8 41.8
 58 72.8 55.0 82.4

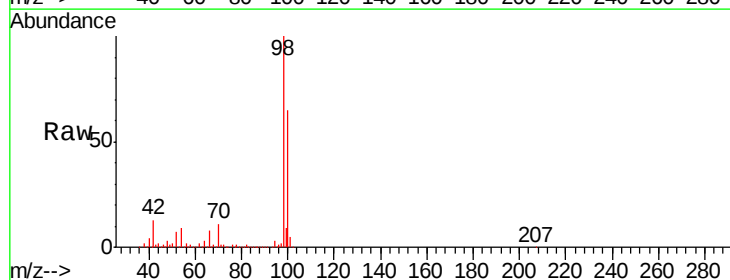


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

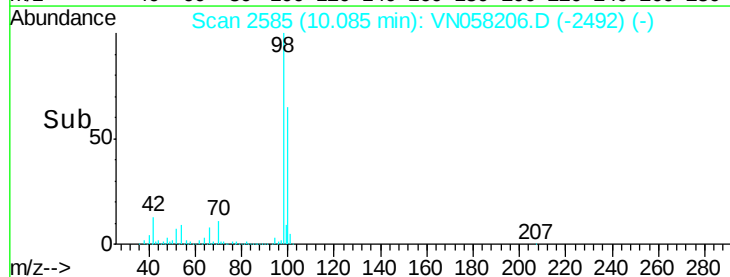
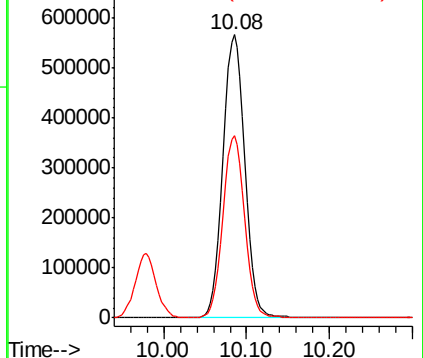


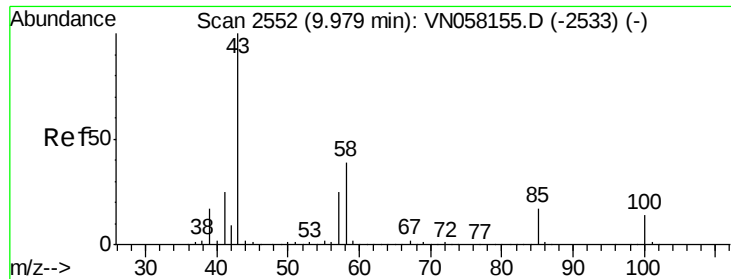
#50
 Toluene-d8
 Concen: 52.735 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 98 Resp: 1038673
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.1 76.7



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

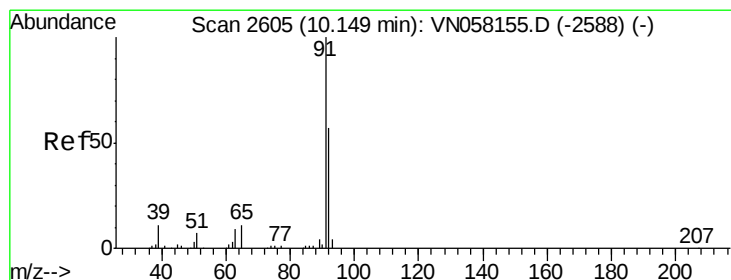
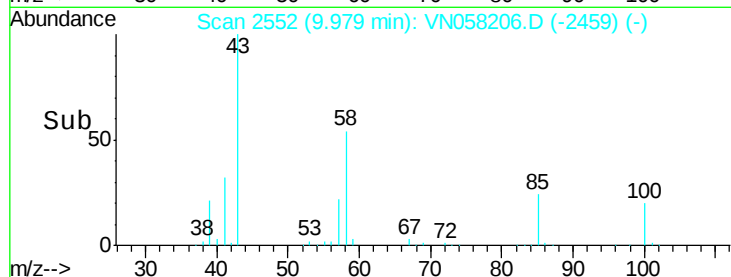
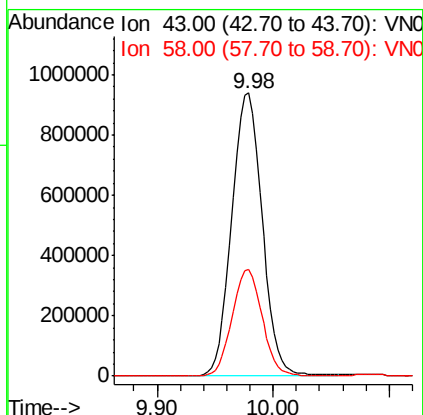
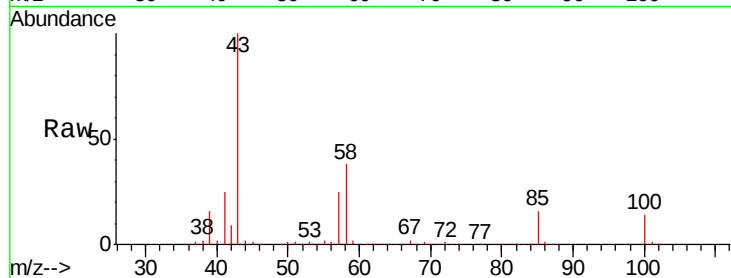




#51
 4-Methyl-2-Pentanone
 Concen: 276.403 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

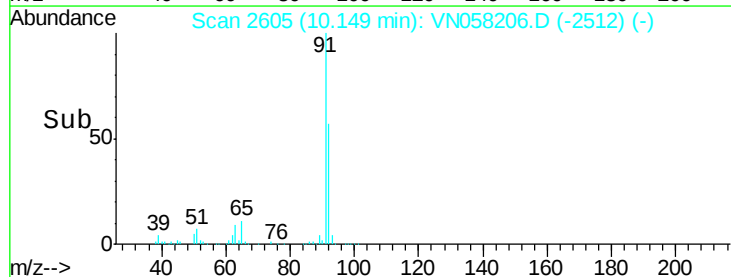
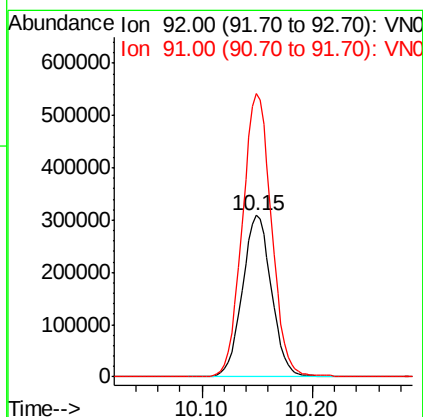
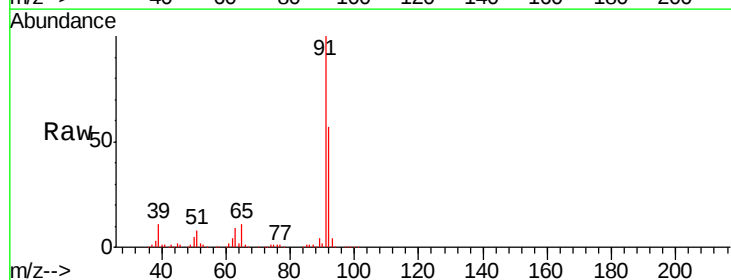
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

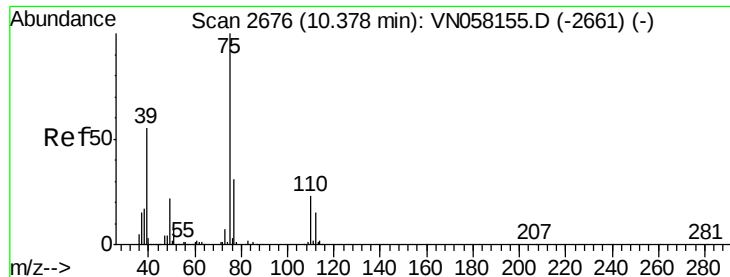
Tgt Ion: 43 Resp: 1706368
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.2 45.4



#52
 Toluene
 Concen: 49.068 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 92 Resp: 563246
 Ion Ratio Lower Upper
 92 100
 91 176.1 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 52.725 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

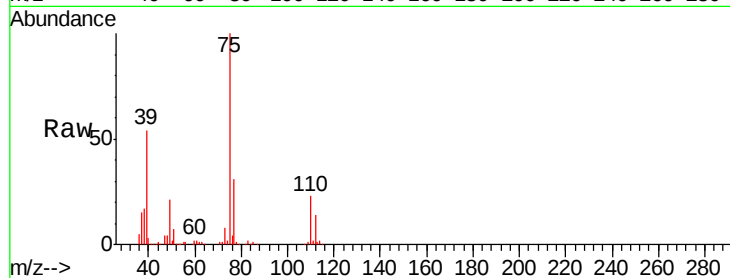
VSTDCCC050

Tgt Ion: 75 Resp: 376283

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

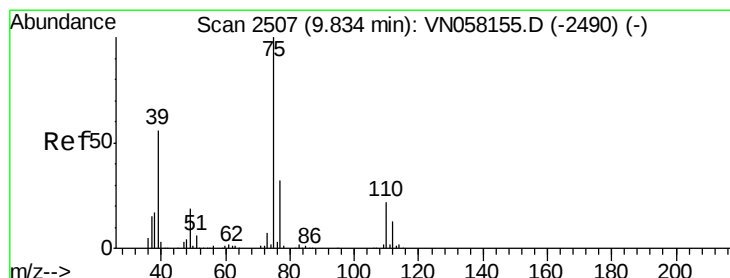
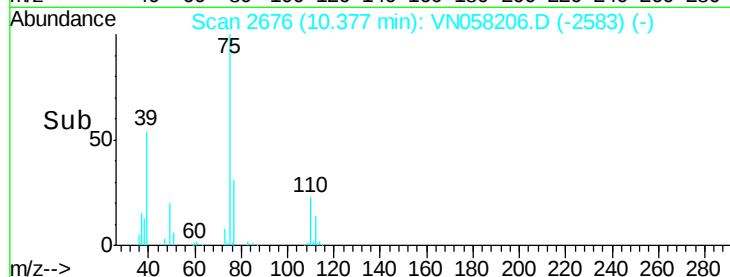
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.431 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

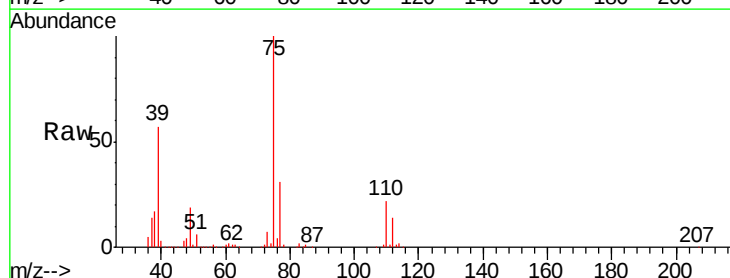
Tgt Ion: 75 Resp: 405244

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 57.0 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

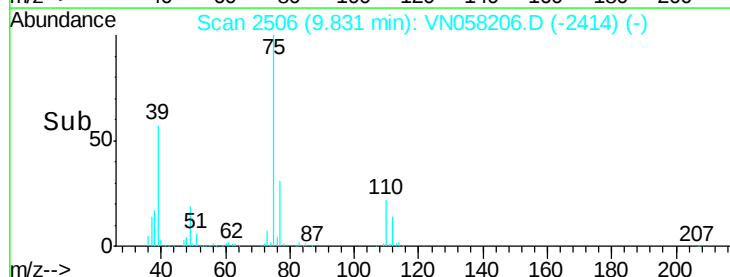
150000

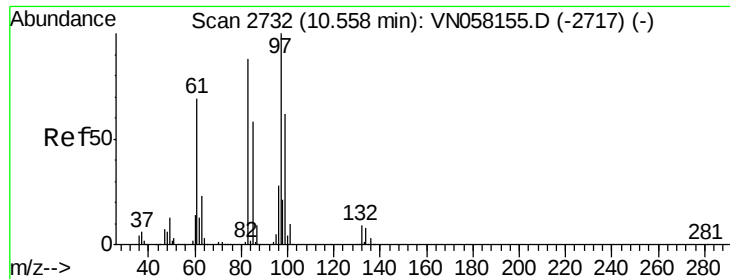
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.804 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 258800

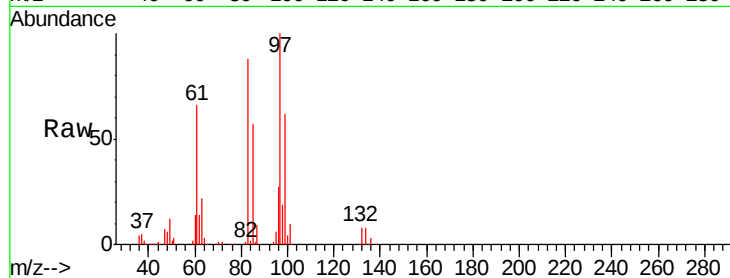
Ion Ratio Lower Upper

97 100

83 87.8 70.4 105.6

85 56.8 46.8 70.2

99 62.1 49.9 74.9

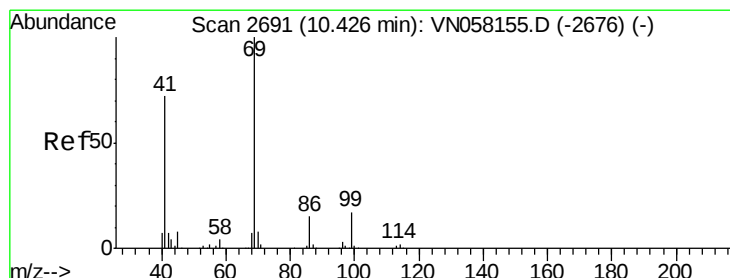
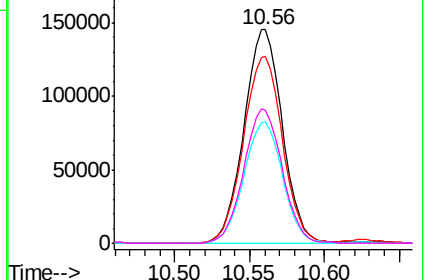
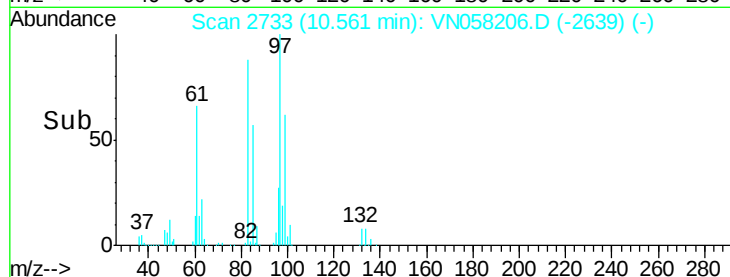


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 52.703 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

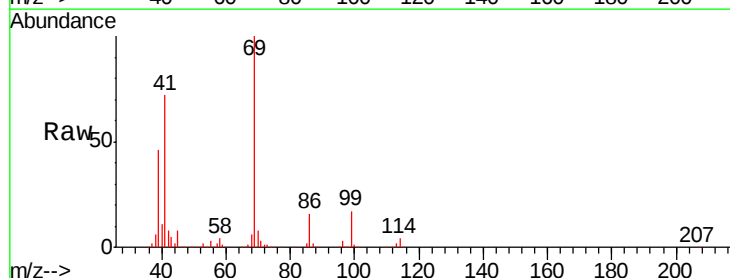
Tgt Ion: 69 Resp: 387361

Ion Ratio Lower Upper

69 100

41 70.3 57.5 86.3

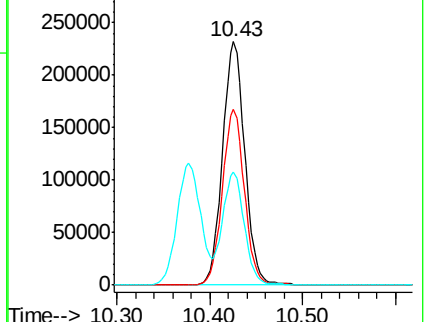
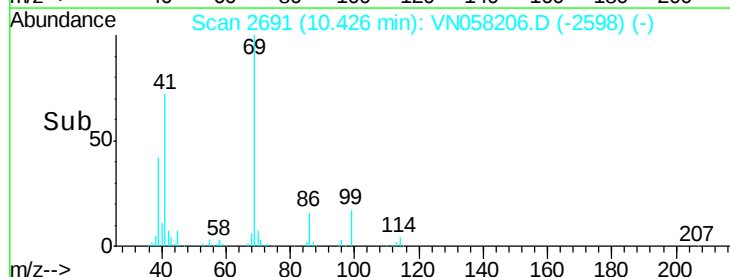
39 44.8 36.1 54.1

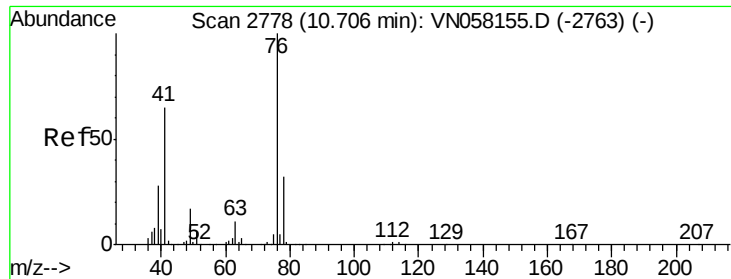


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

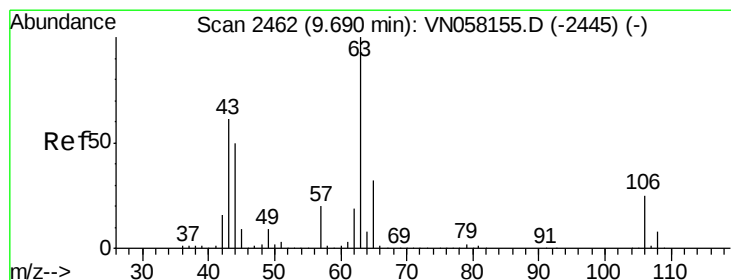
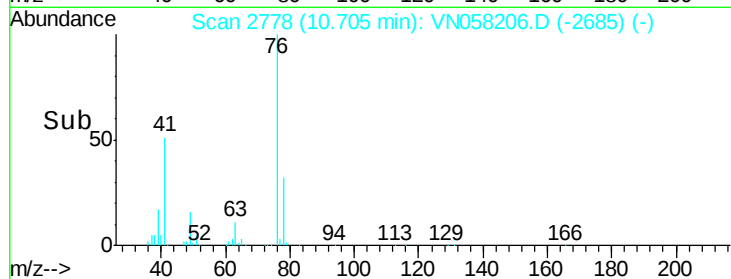
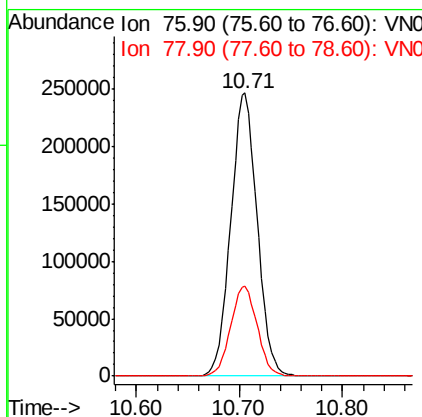
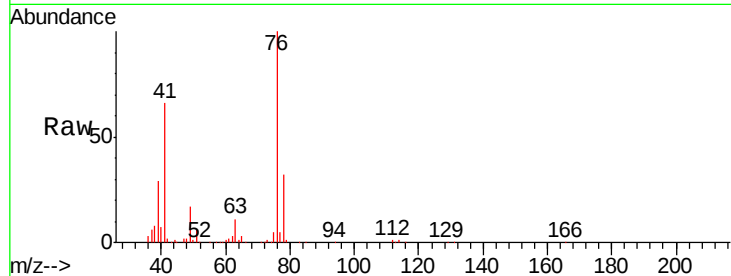




#57
 1,3-Dichloropropane
 Concen: 50.228 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

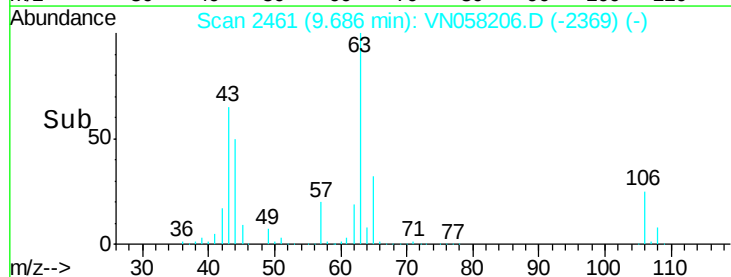
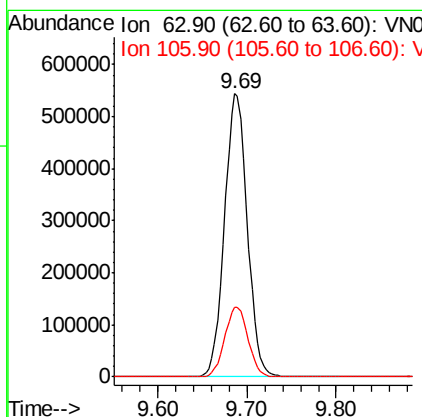
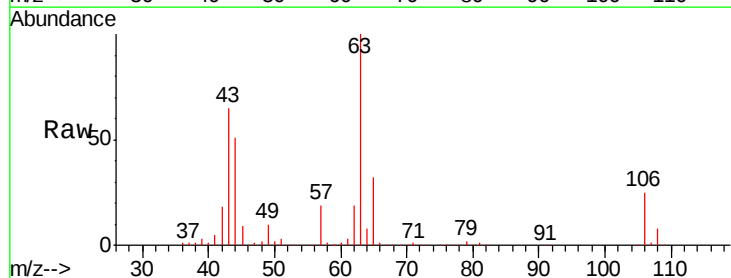
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

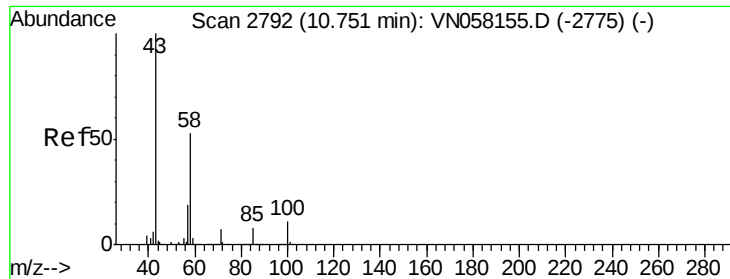
Tgt Ion: 76 Resp: 439862
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.309 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 63 Resp: 960339
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.9 29.9

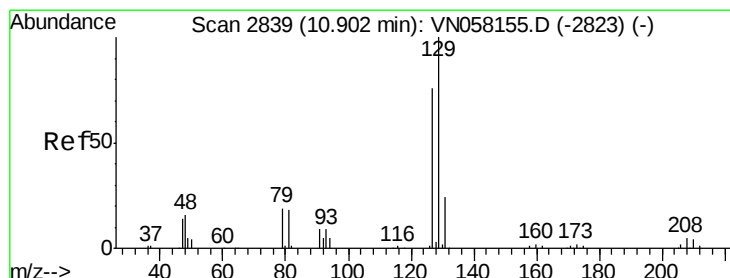
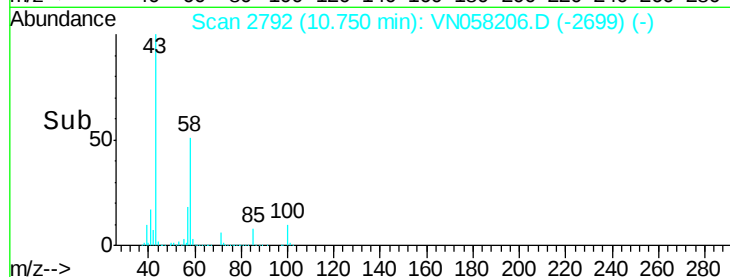
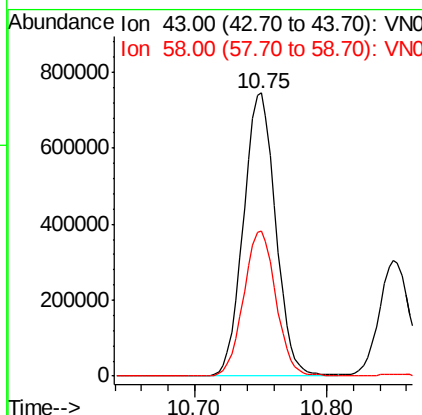
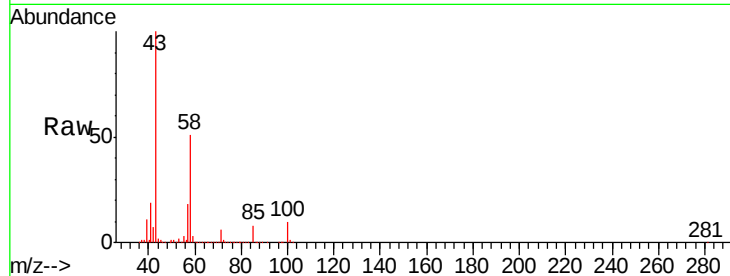




#59
2-Hexanone
Concen: 274.350 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

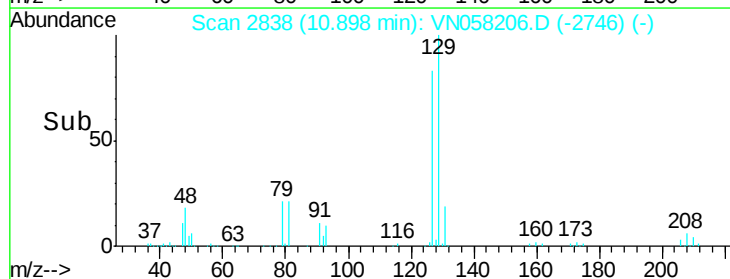
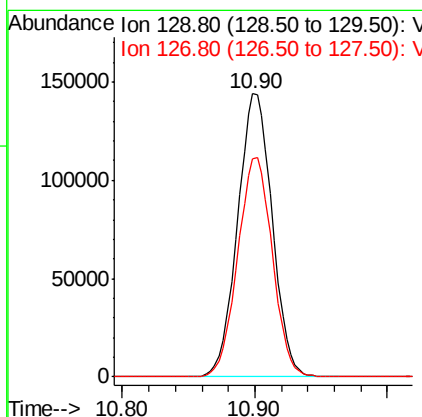
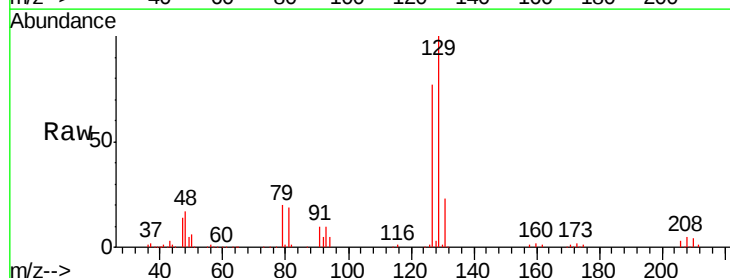
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

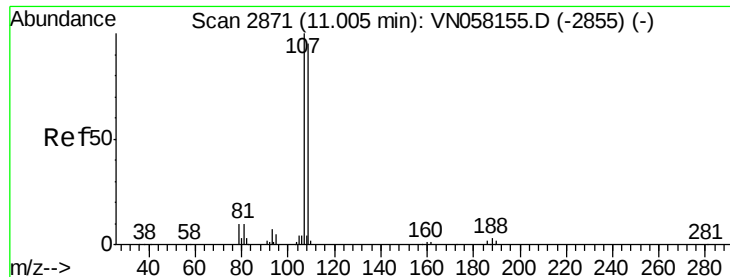
Tgt Ion: 43 Resp: 1257889
Ion Ratio Lower Upper
43 100
58 51.6 26.0 78.0



#60
Dibromochloromethane
Concen: 53.309 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 129 Resp: 261255
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1

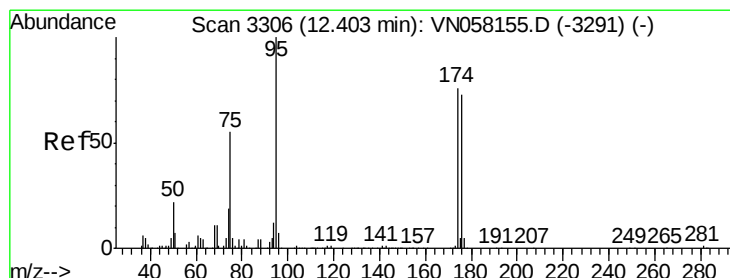
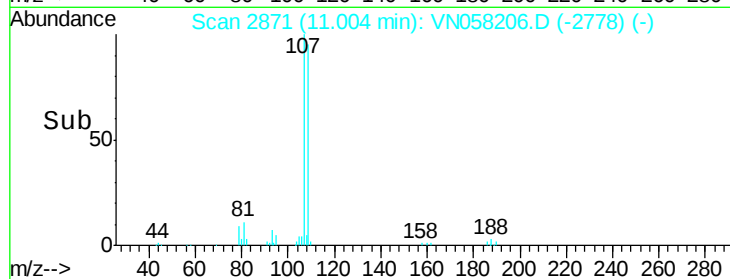
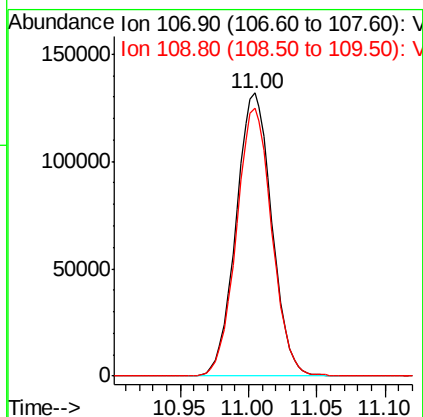
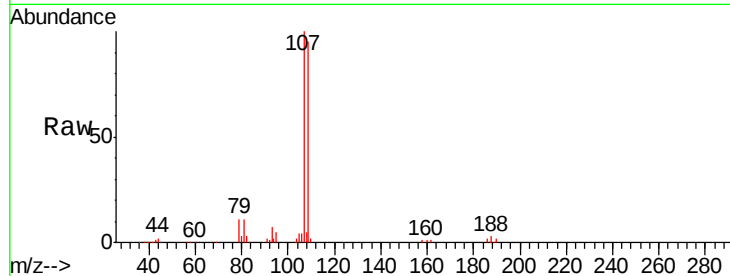




#61
 1,2-Dibromoethane
 Concen: 50.810 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

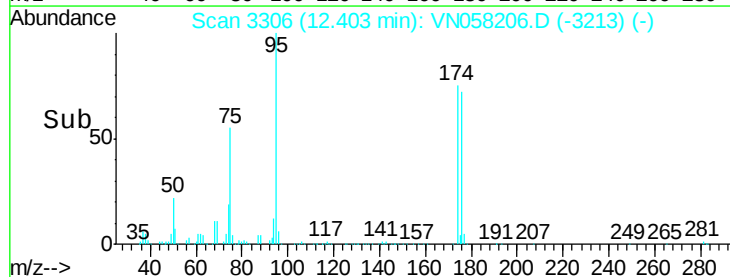
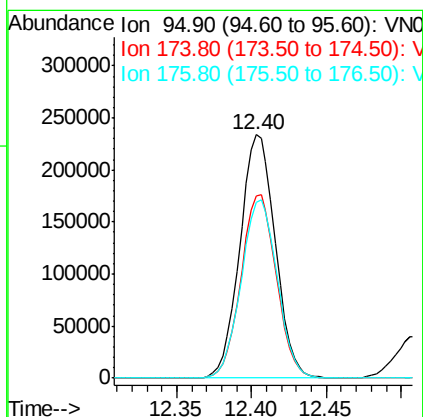
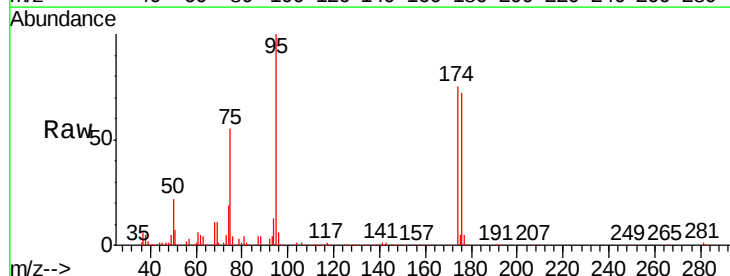
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

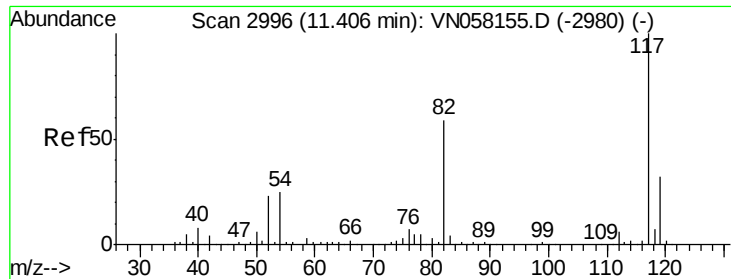
Tgt Ion: 107 Resp: 239867
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.597 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion: 95 Resp: 384816
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 152.2
 176 74.4 0.0 148.0

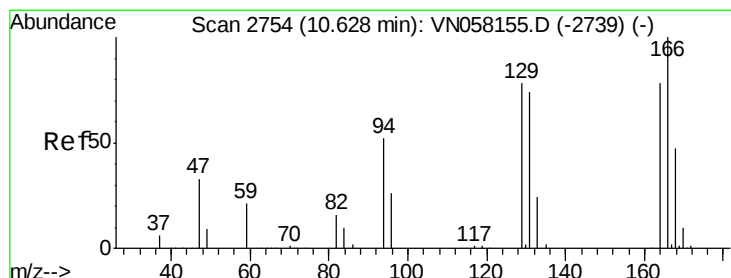
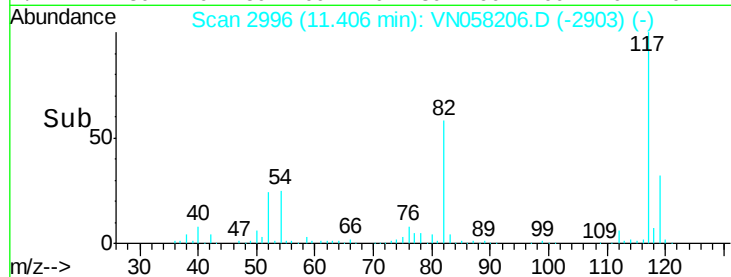
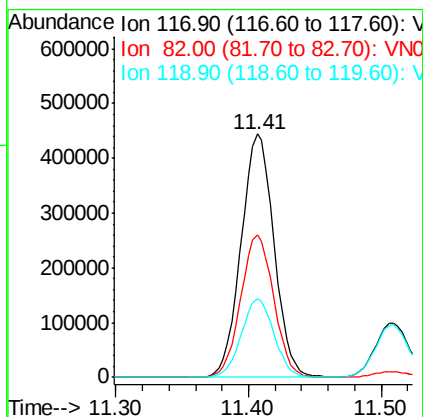
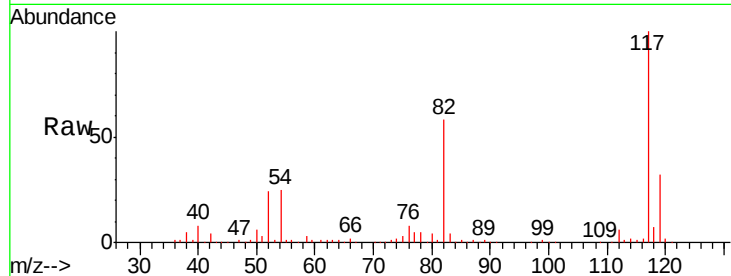




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

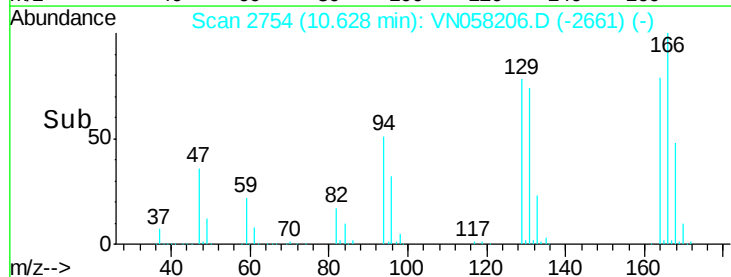
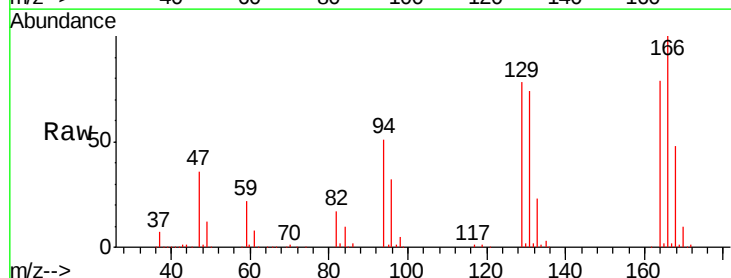
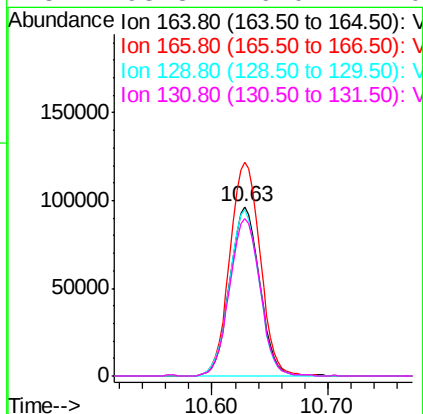
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

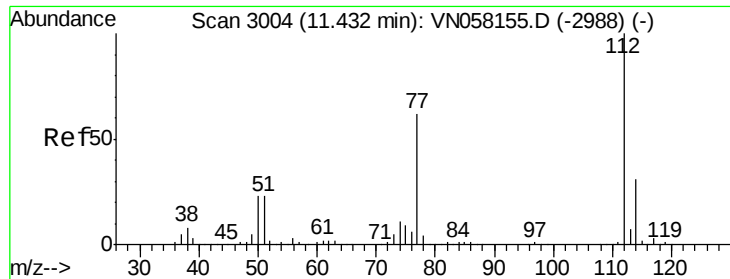
Tgt Ion:117 Resp: 767452
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 32.3 25.3 37.9



#64
Tetrachloroethene
Concen: 46.103 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:164 Resp: 172476
Ion Ratio Lower Upper
164 100
166 126.2 102.2 153.4
129 98.0 79.6 119.4
131 93.3 76.0 114.0

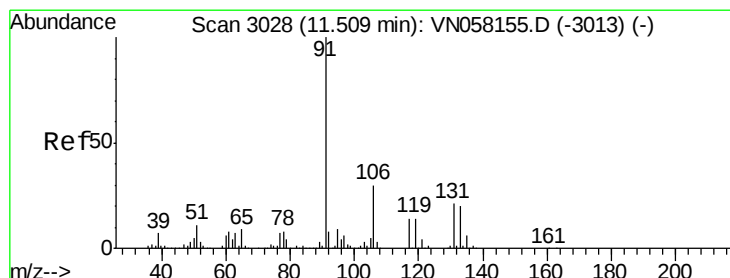
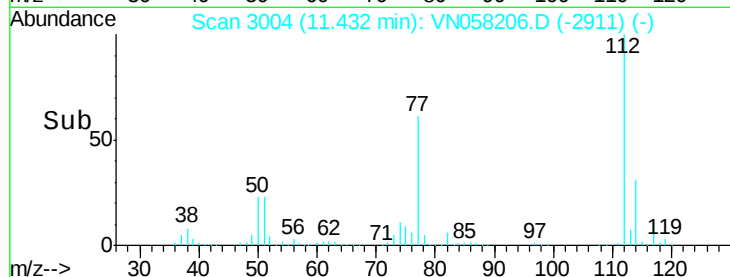
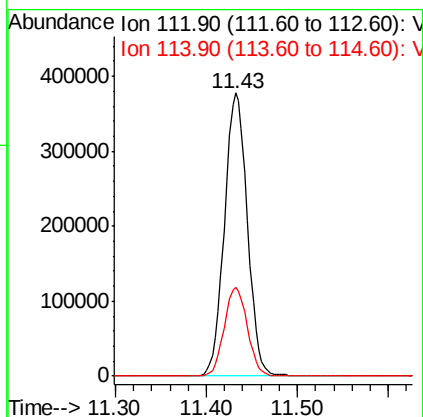
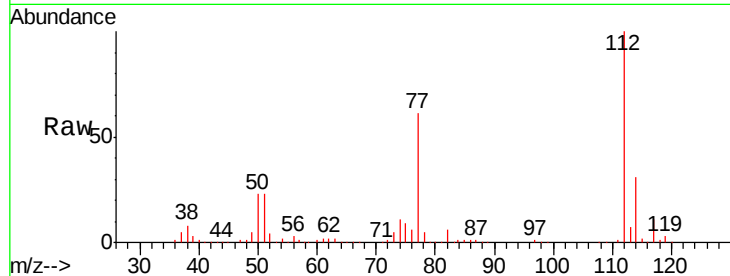




#65
Chlorobenzene
Concen: 48.892 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

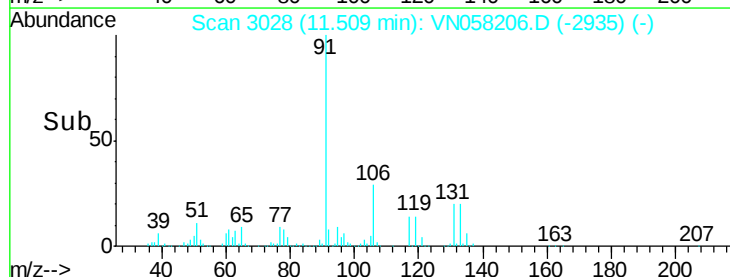
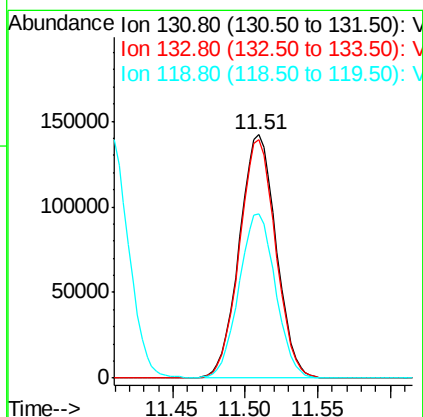
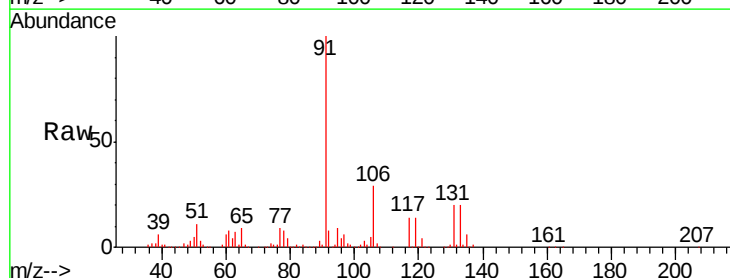
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

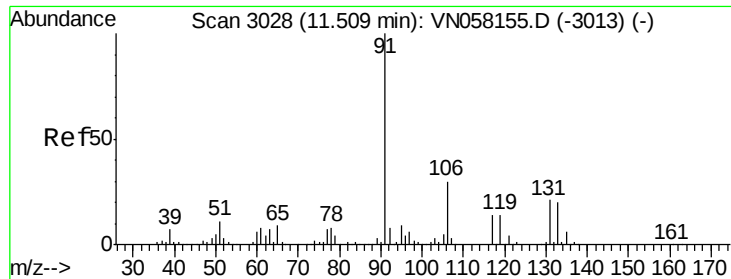
Tgt Ion:112 Resp: 659995
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.247 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:131 Resp: 250840
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 67.5 33.1 99.3

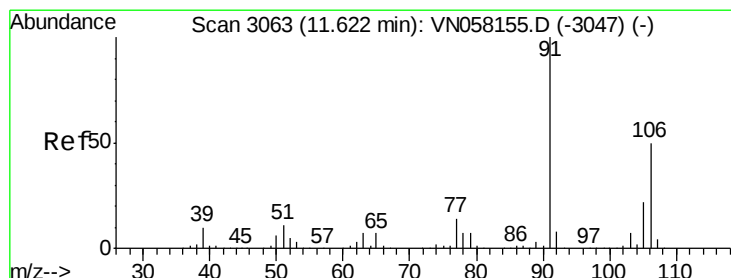
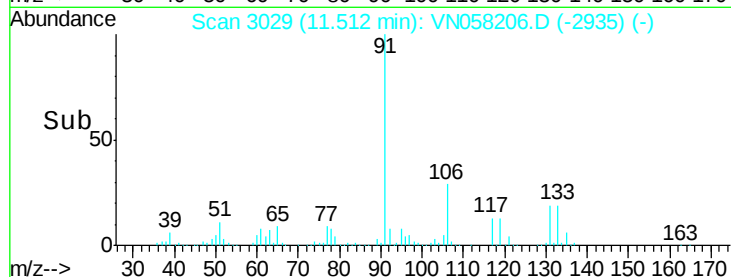
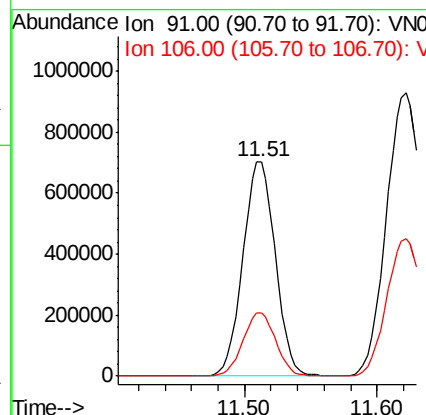
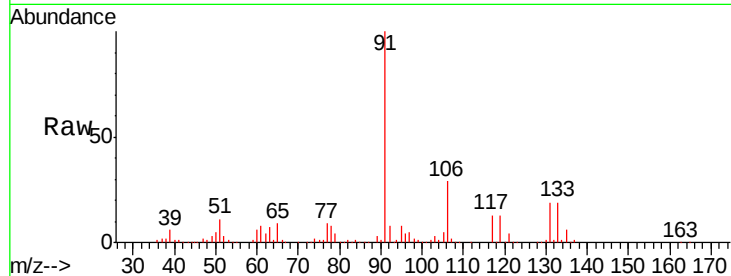




#67
Ethyl Benzene
Concen: 51.718 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

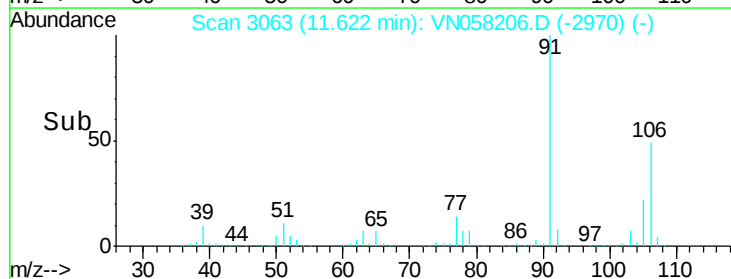
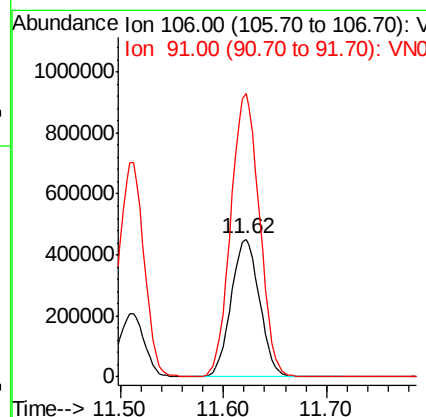
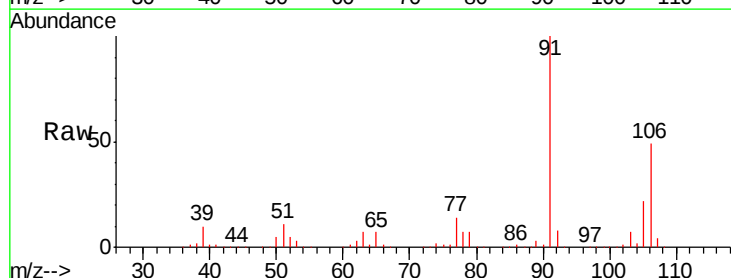
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

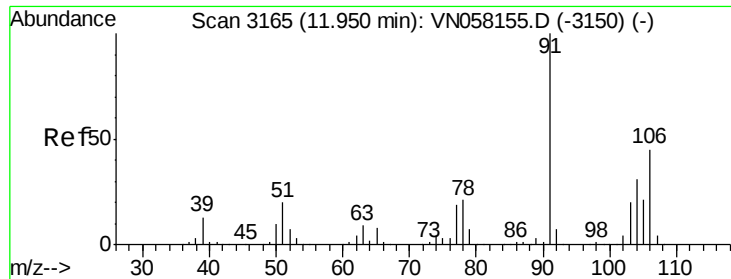
Tgt Ion: 91 Resp: 1196250
Ion Ratio Lower Upper
91 100
106 29.3 24.0 36.0



#68
m/p-Xylenes
Concen: 99.574 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 106 Resp: 867444
Ion Ratio Lower Upper
106 100
91 208.0 163.6 245.4

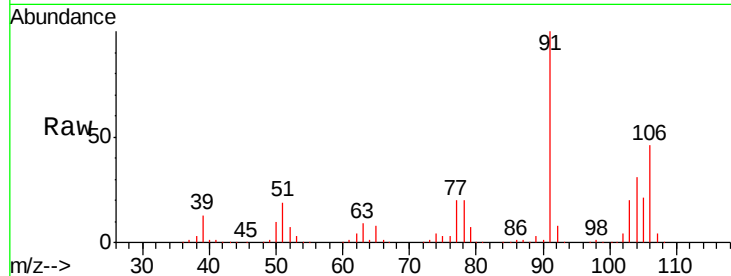




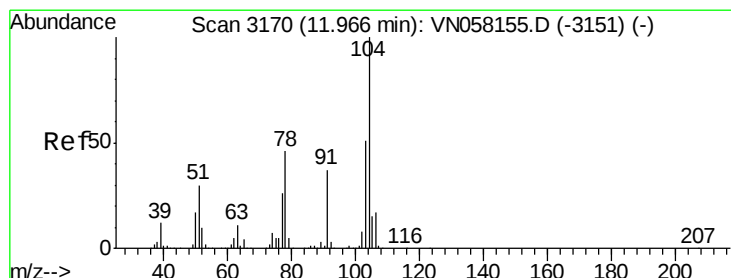
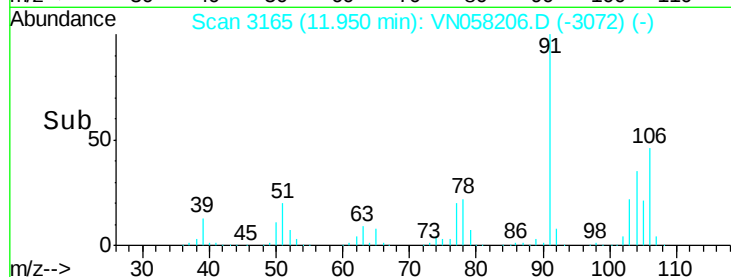
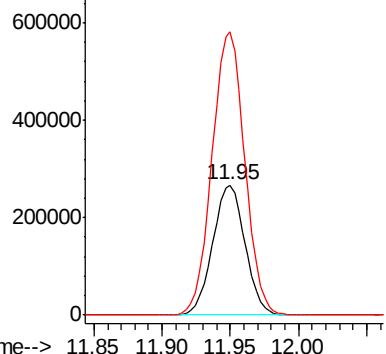
#69
o-Xylene
Concen: 51.437 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 440610
Ion Ratio Lower Upper
106 100
91 219.8 111.8 335.3

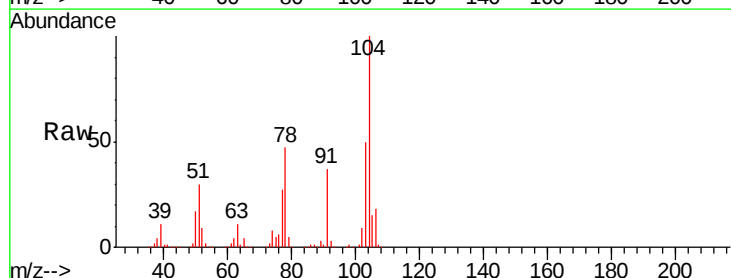


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

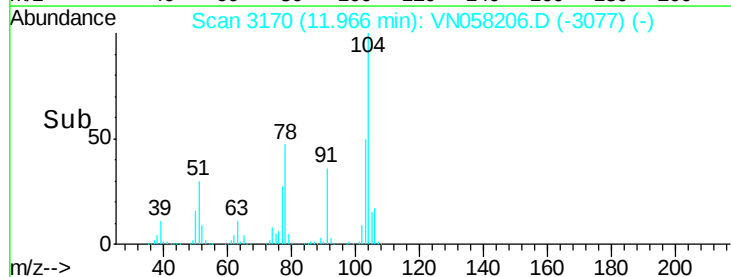
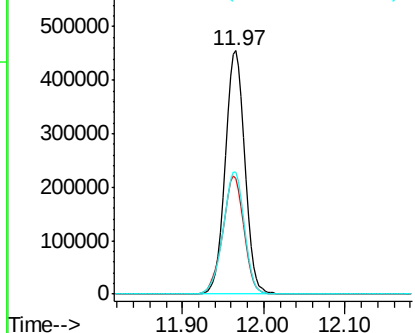


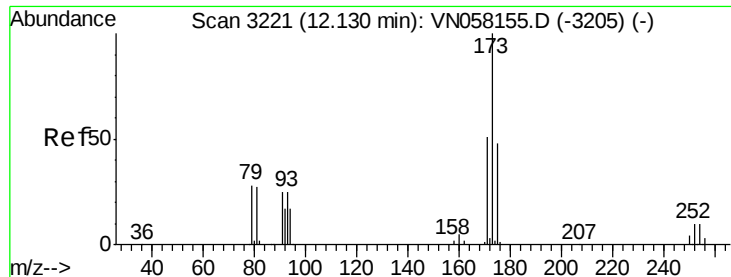
#70
Styrene
Concen: 52.760 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:104 Resp: 778686
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 54.3 44.2 66.2



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





#71

Bromoform

Concen: 46.876 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

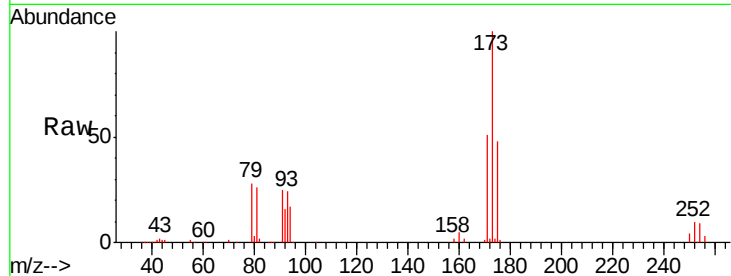
Tgt Ion:173 Resp: 169231

Ion Ratio Lower Upper

173 100

175 48.0 24.2 72.6

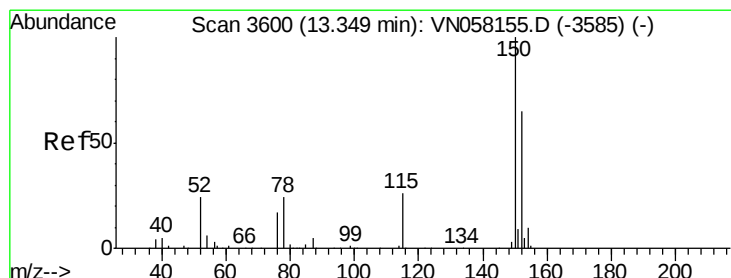
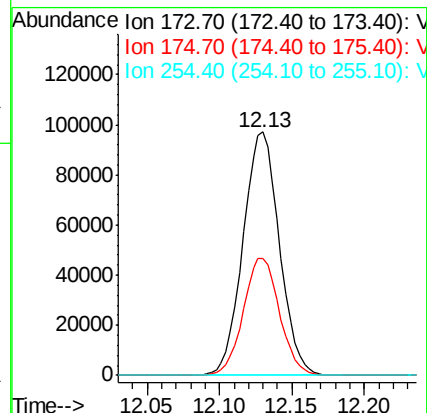
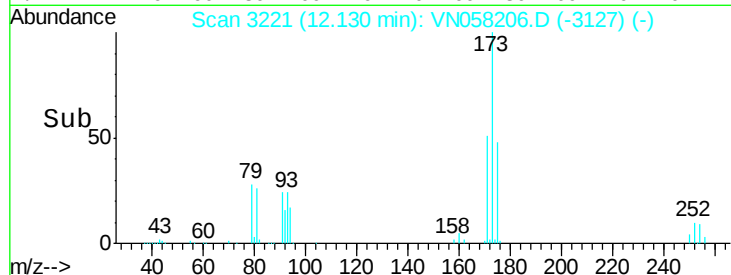
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

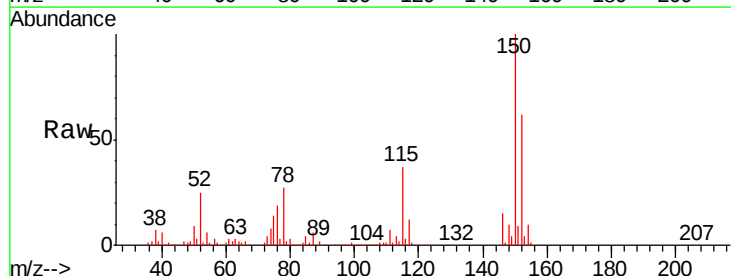
Tgt Ion:152 Resp: 379806

Ion Ratio Lower Upper

152 100

115 61.1 30.1 90.3

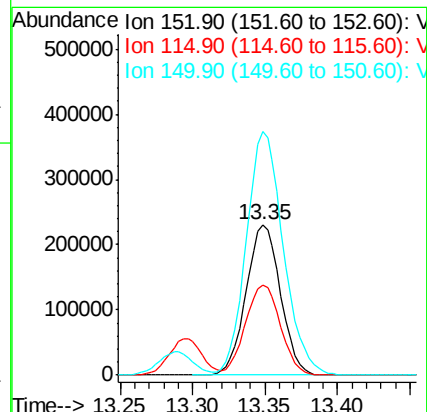
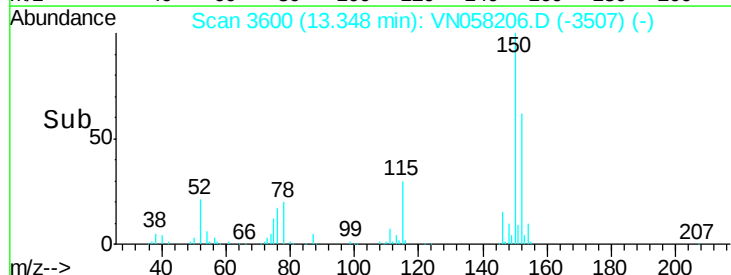
150 174.7 0.0 346.4

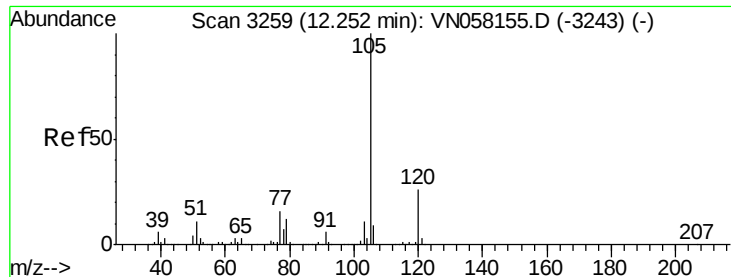


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.362 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

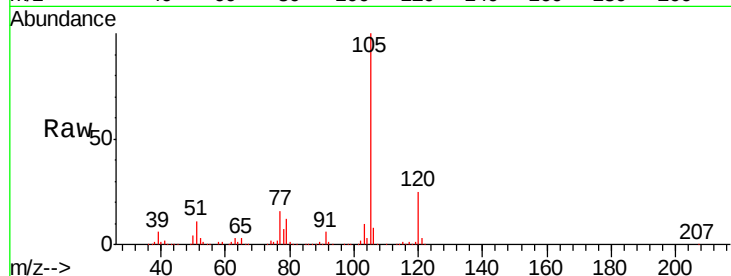
VSTDCCC050

Tgt Ion:105 Resp: 1244822

Ion Ratio Lower Upper

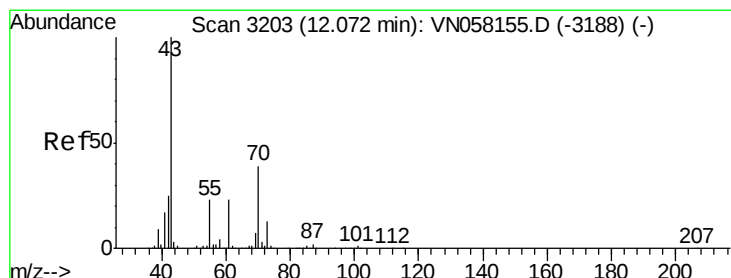
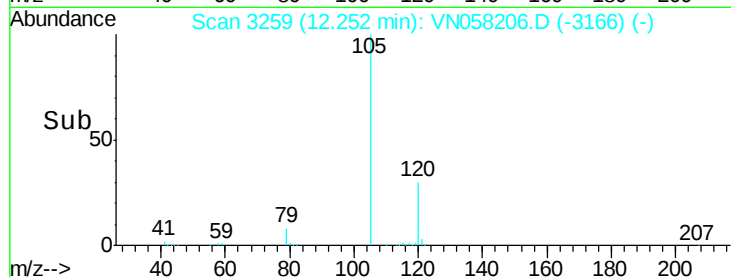
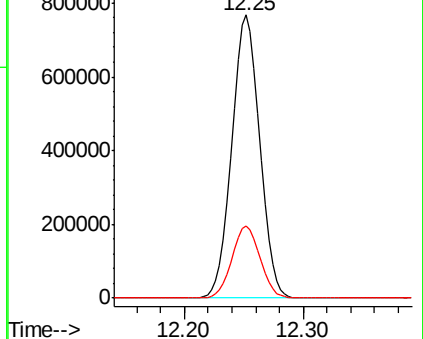
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.211 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion: 43 Resp: 529204

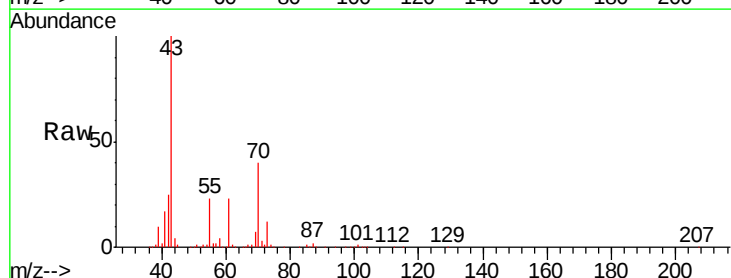
Ion Ratio Lower Upper

43 100

70 39.1 31.0 46.6

55 23.6 18.5 27.7

61 22.7 18.2 27.2

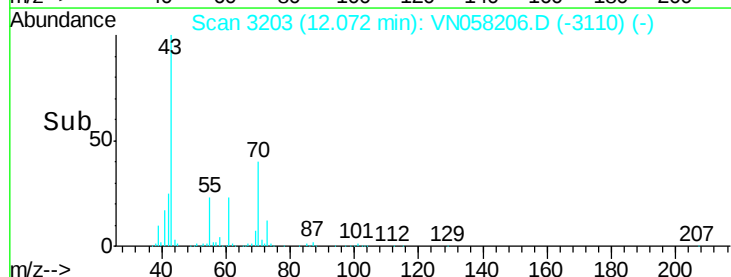
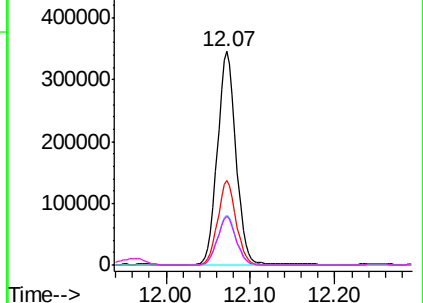


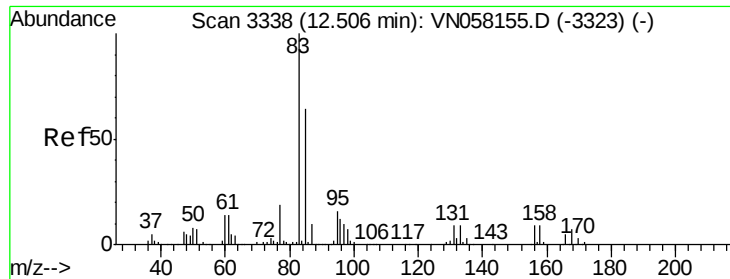
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.724 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

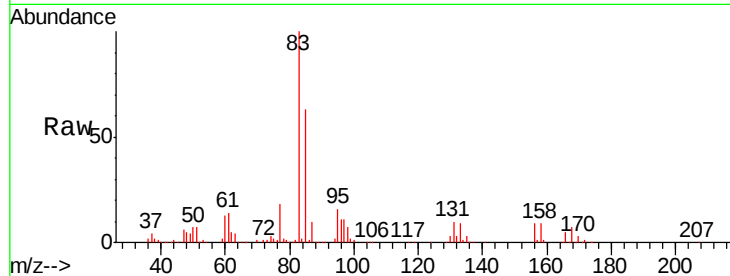
Tgt Ion: 83 Resp: 403821

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

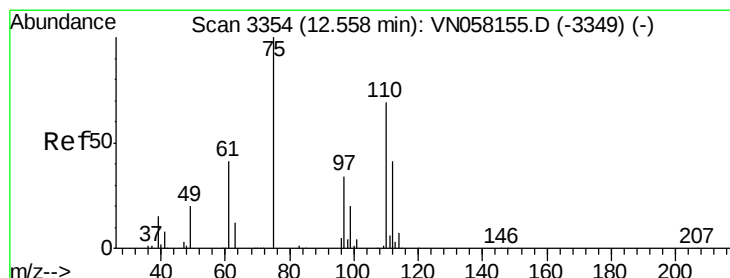
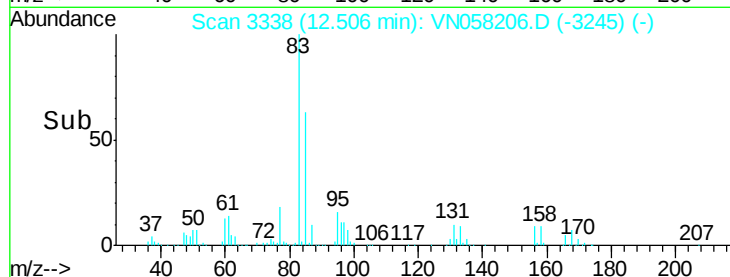
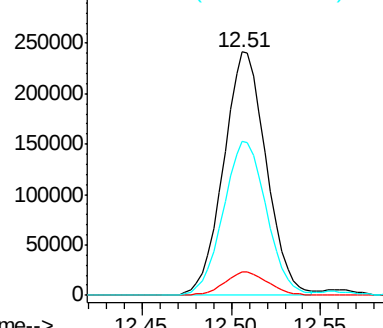
85 64.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 71.958 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058206.D

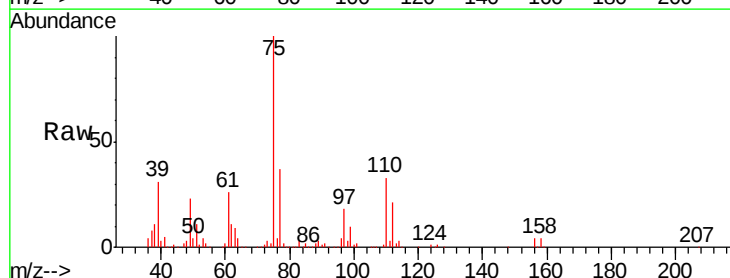
Acq: 19 Sep 2019 15:49

Tgt Ion: 75 Resp: 489120

Ion Ratio Lower Upper

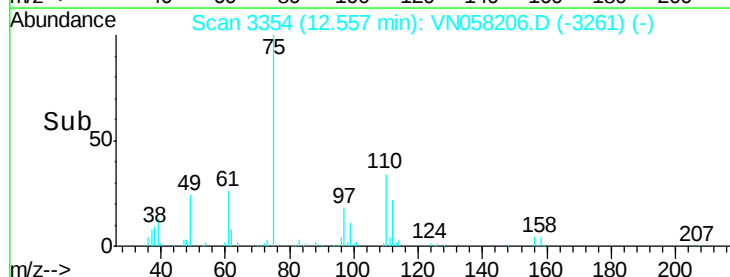
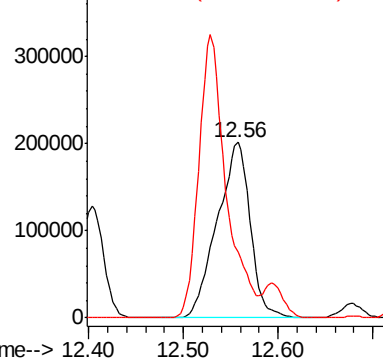
75 100

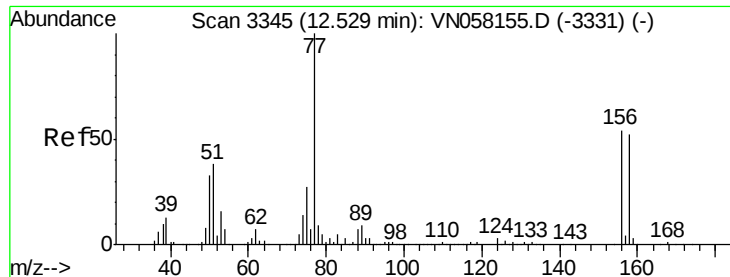
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.630 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

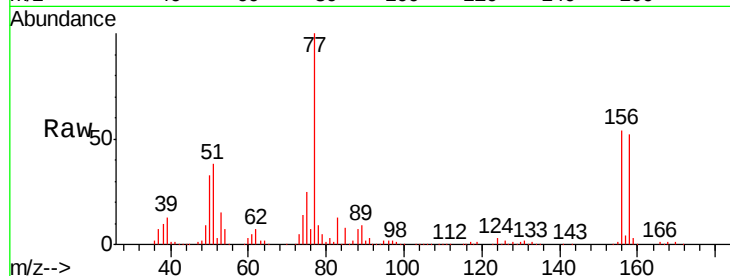
Tgt Ion:156 Resp: 290808

Ion Ratio Lower Upper

156 100

77 226.1 111.7 335.1

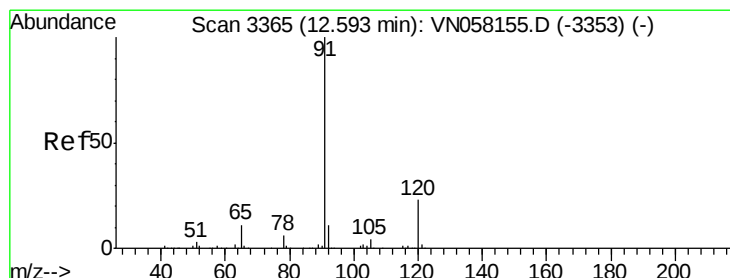
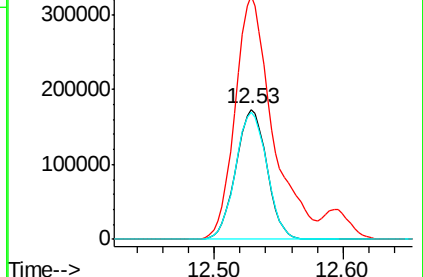
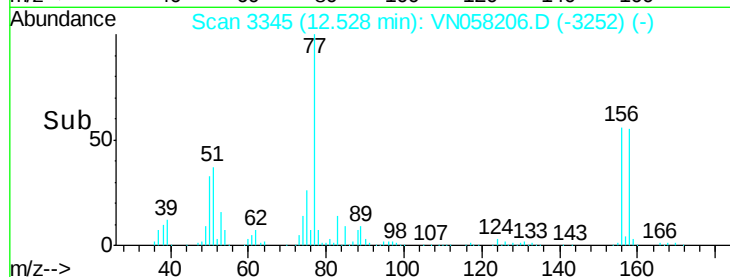
158 99.2 47.9 143.8



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: 54.081 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058206.D

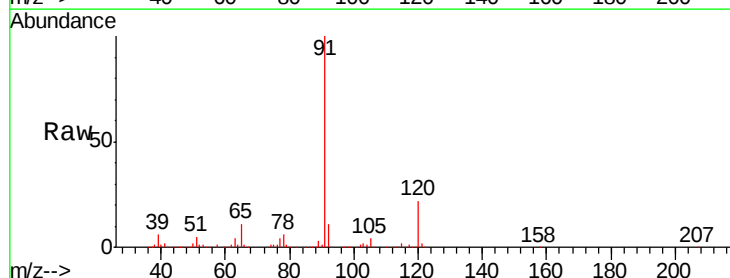
Acq: 19 Sep 2019 15:49

Tgt Ion: 91 Resp: 1460988

Ion Ratio Lower Upper

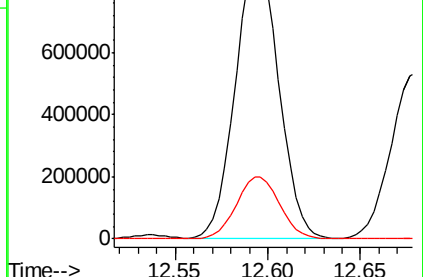
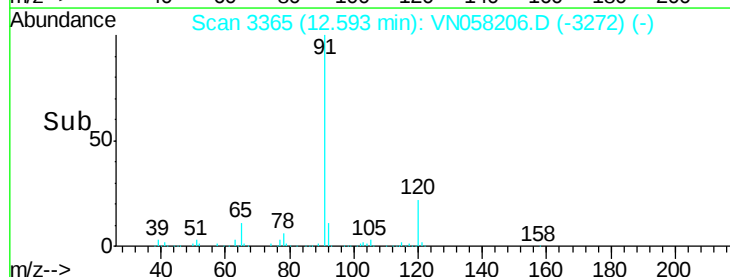
91 100

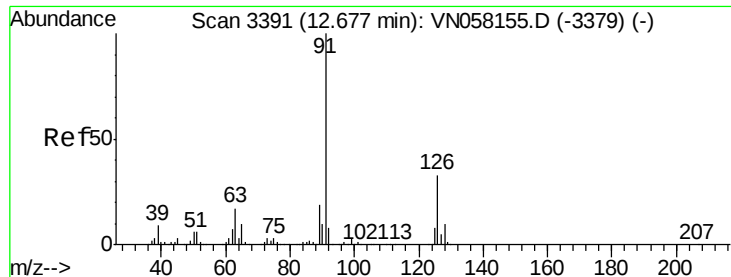
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.588 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

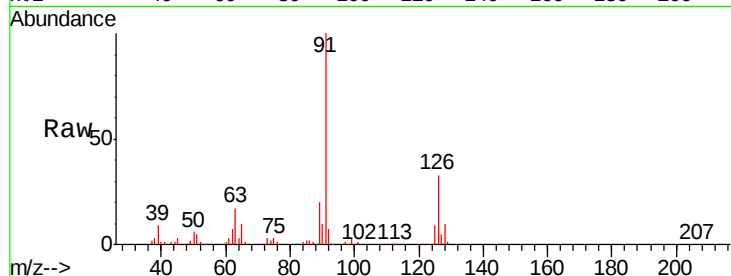
VSTDCCC050

Tgt Ion: 91 Resp: 870992

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

800000

600000

400000

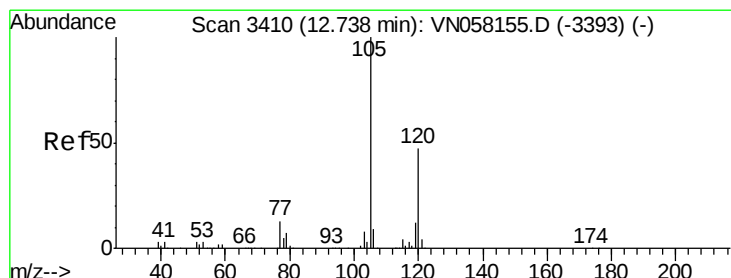
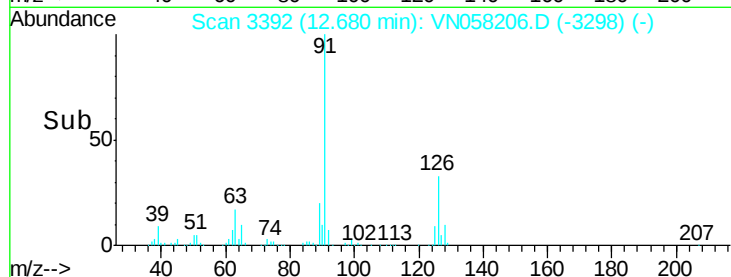
200000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.946 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058206.D

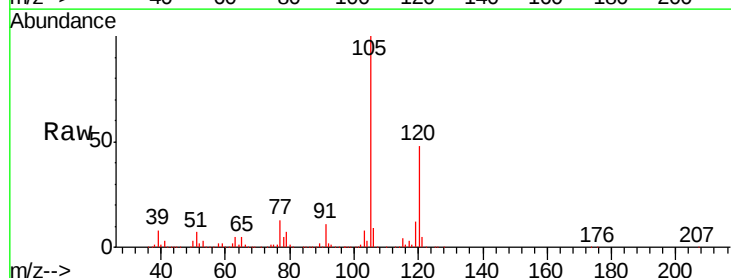
Acq: 19 Sep 2019 15:49

Tgt Ion: 105 Resp: 1064380

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

800000

600000

400000

200000

0

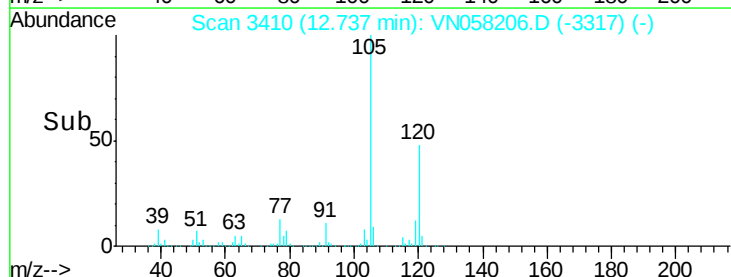
12.65

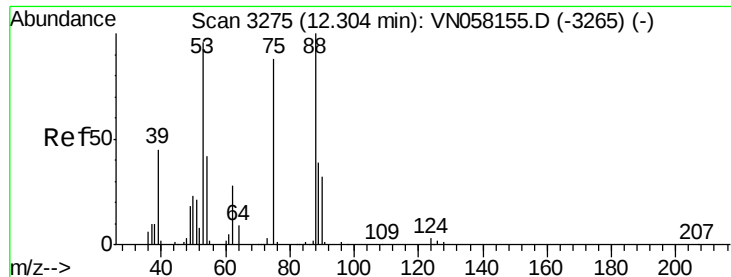
12.70

12.75

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.098 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

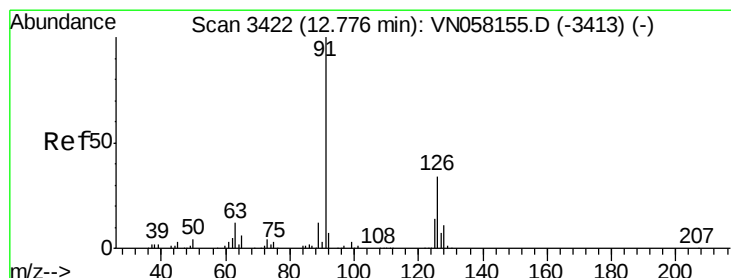
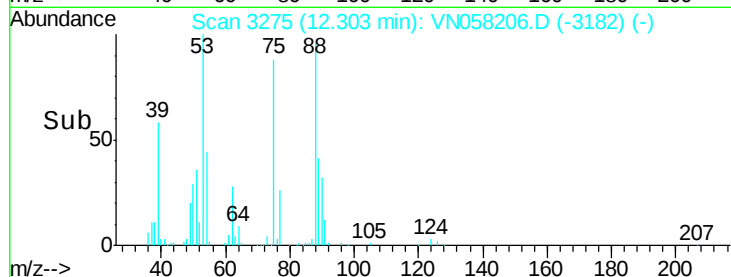
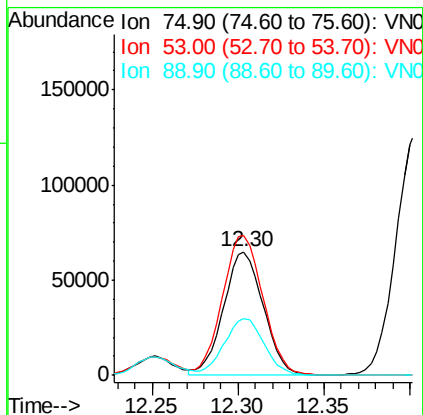
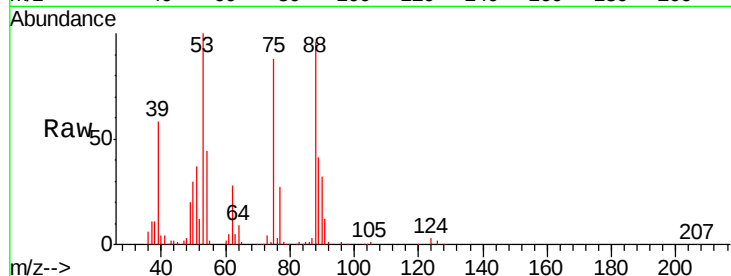
Tgt Ion: 75 Resp: 104117

Ion Ratio Lower Upper

75 100

53 116.3 90.1 135.1

89 46.9 36.2 54.2



#82

4-Chlorotoluene

Concen: 51.766 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058206.D

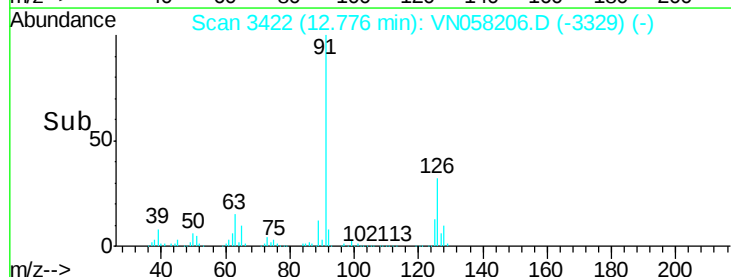
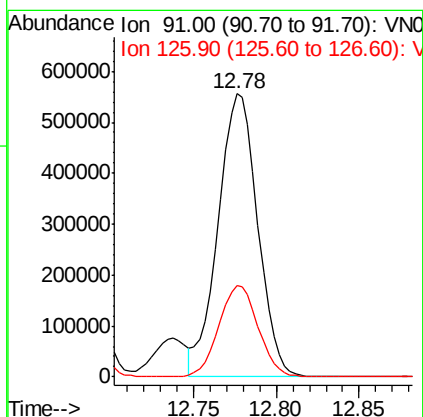
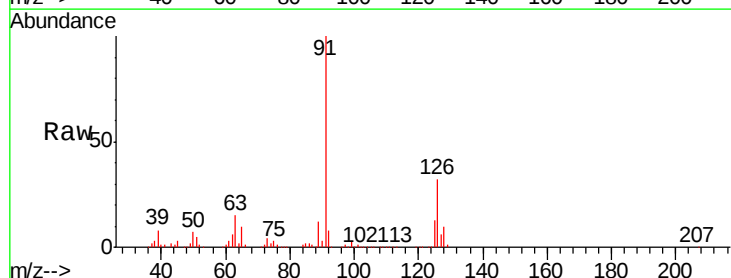
Acq: 19 Sep 2019 15:49

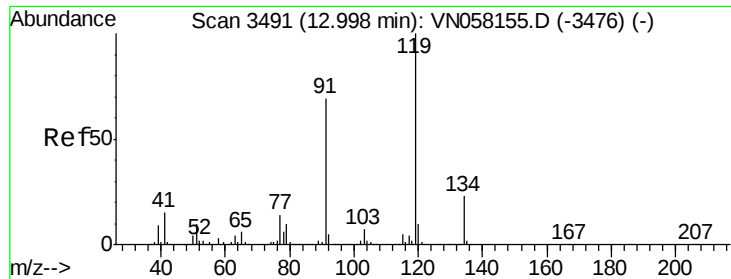
Tgt Ion: 91 Resp: 918714

Ion Ratio Lower Upper

91 100

126 32.1 15.7 47.1

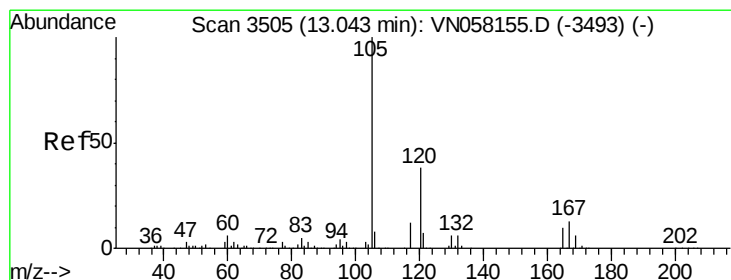
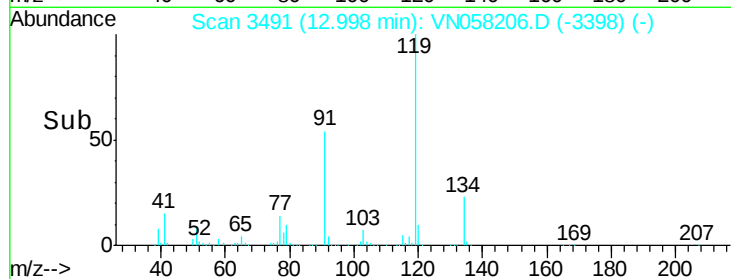
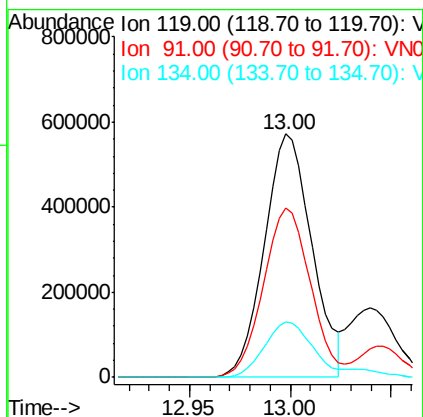
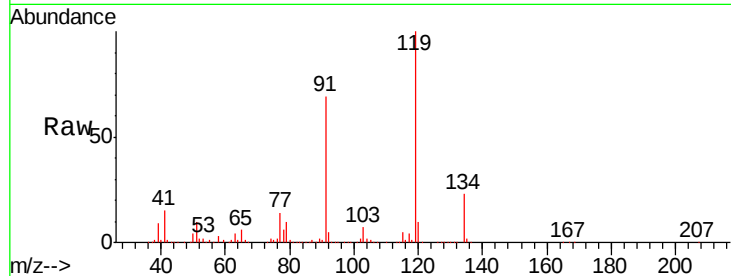




#83
 tert-Butylbenzene
 Concen: 52.212 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

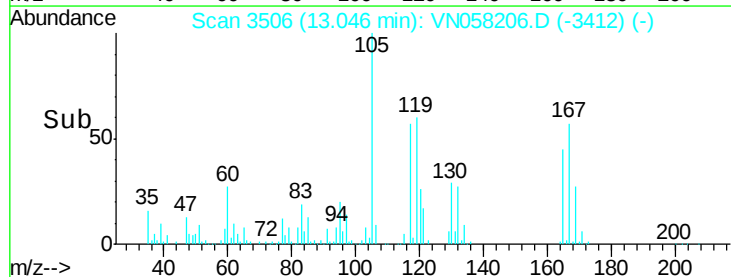
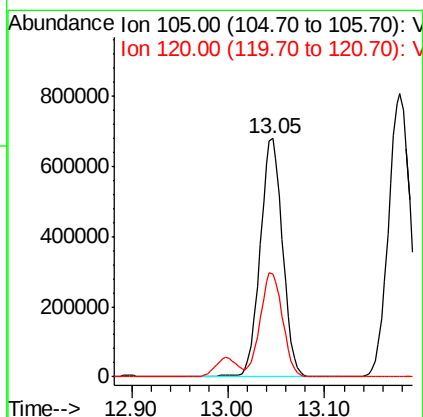
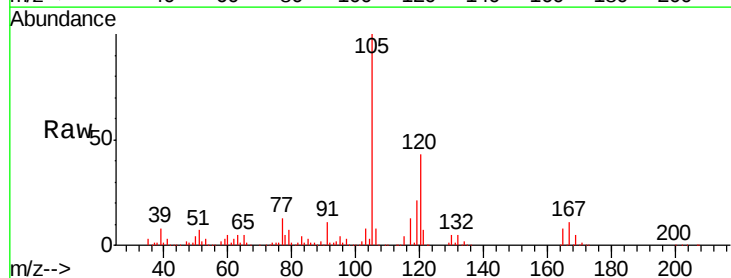
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

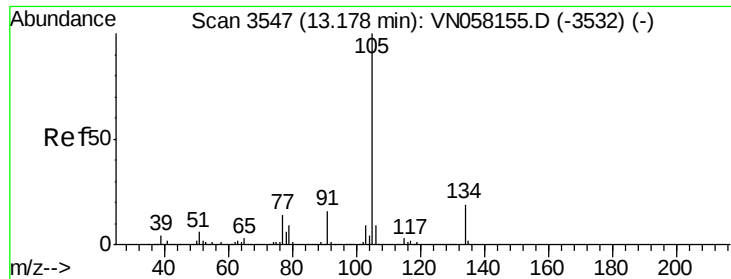
Tgt Ion:119 Resp: 936040
 Ion Ratio Lower Upper
 119 100
 91 68.8 33.8 101.3
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.530 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion:105 Resp: 1090929
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5

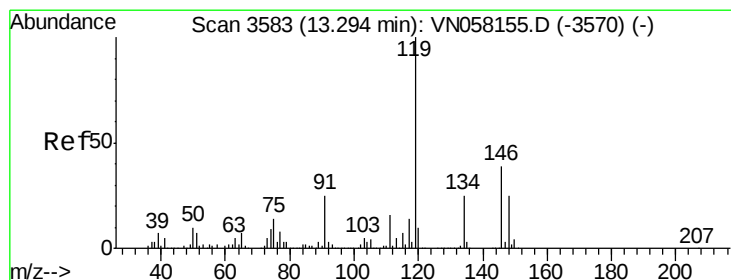
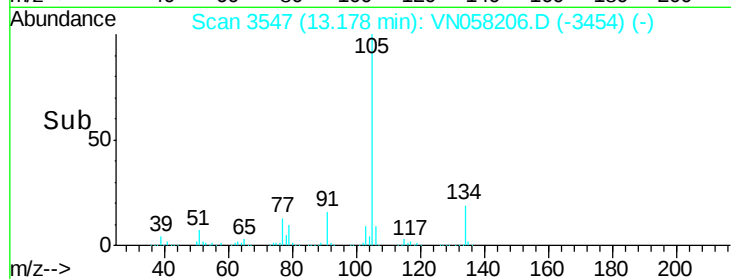
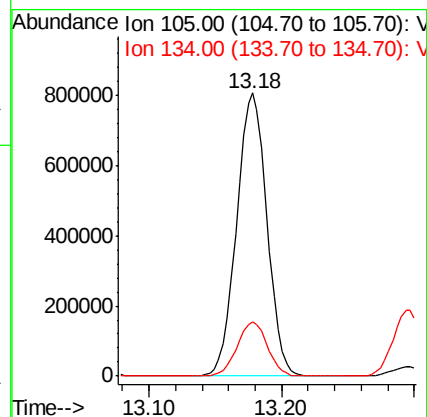
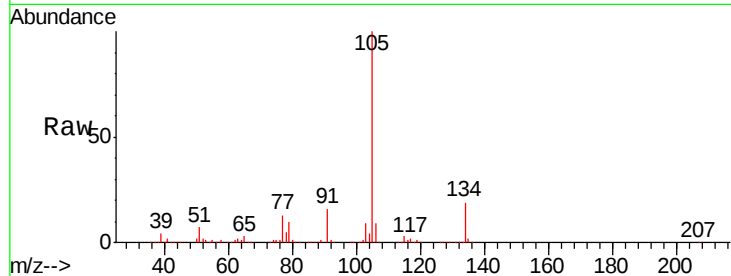




#85
 sec-Butylbenzene
 Concen: 54.383 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

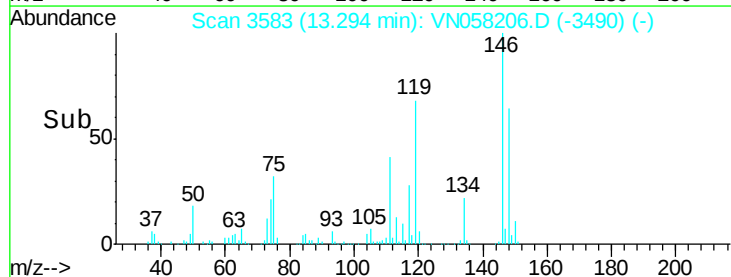
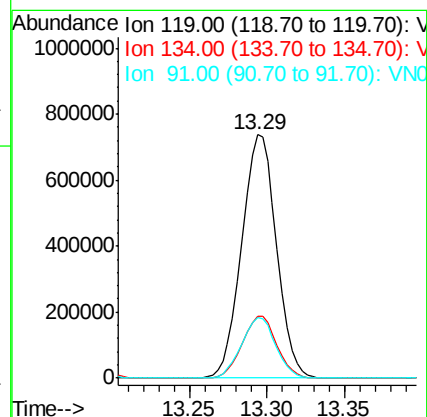
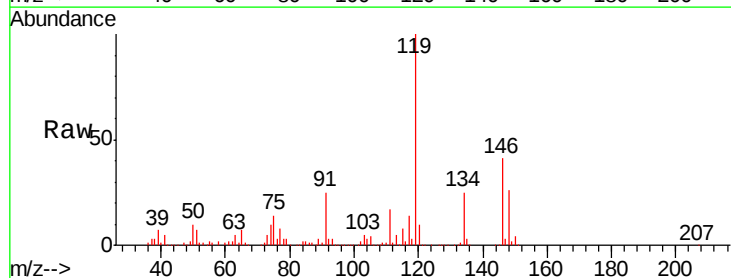
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

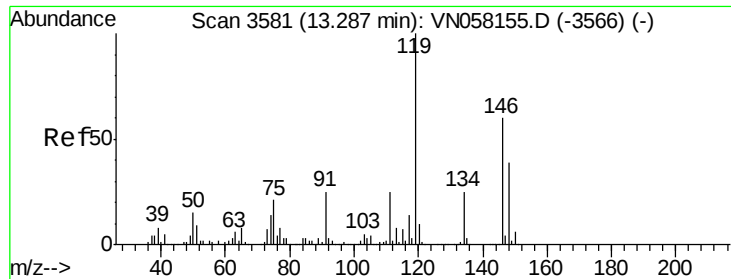
Tgt Ion:105 Resp: 1274924
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 55.017 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion:119 Resp: 1146635
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.0
 91 24.5 12.3 36.8

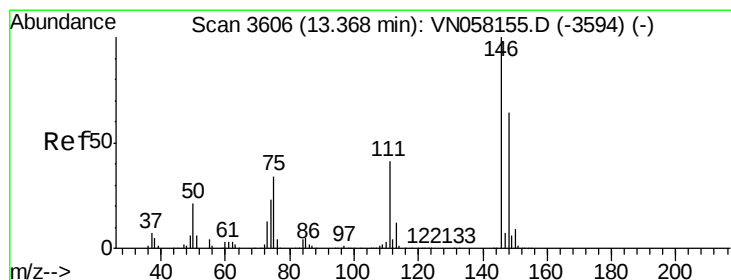
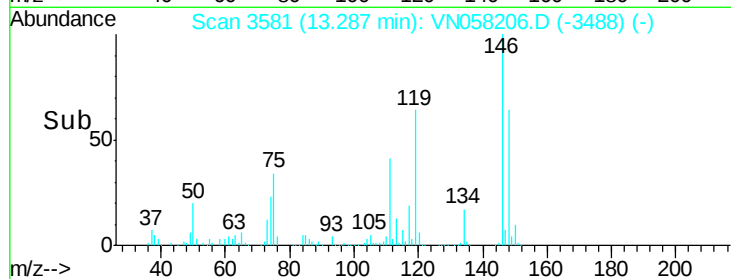
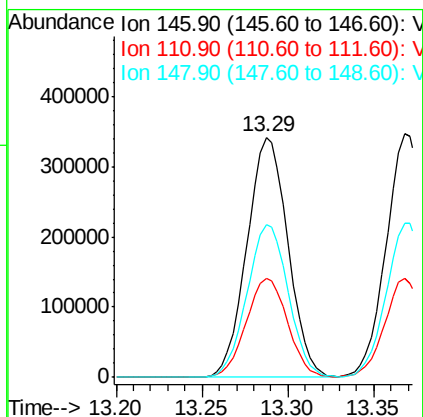
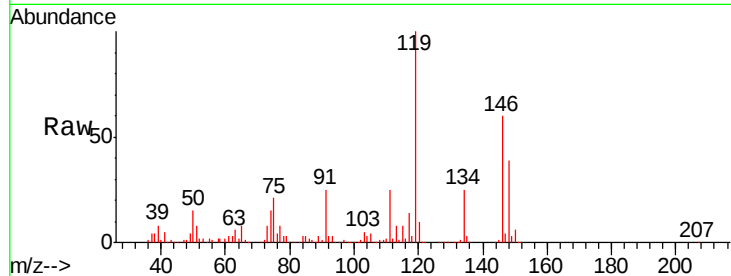




#87
 1,3-Dichlorobenzene
 Concen: 51.738 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

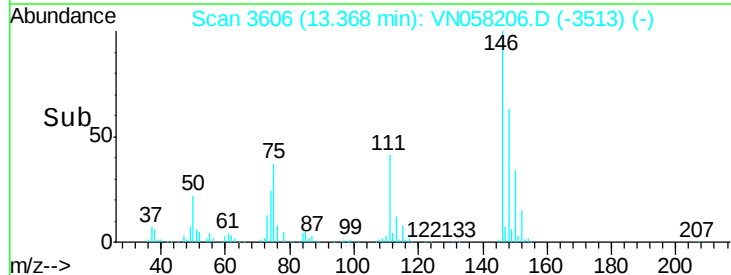
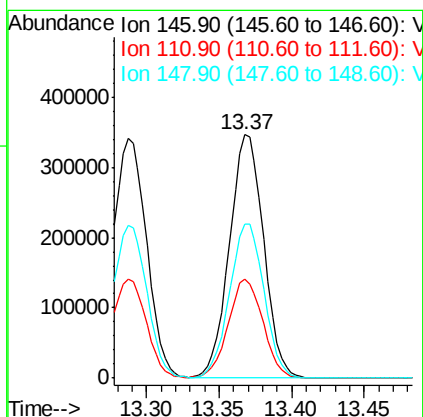
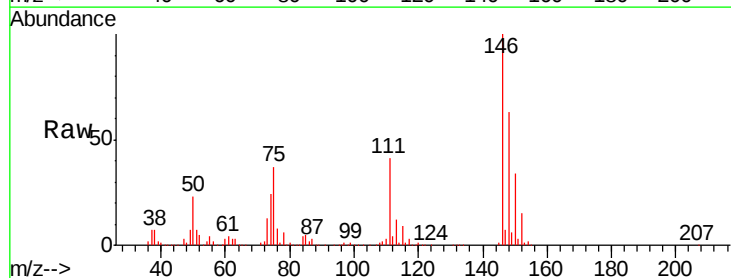
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

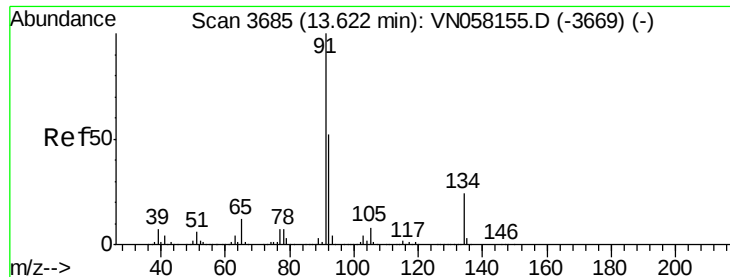
Tgt Ion:146 Resp: 565110
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.9 62.8
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.727 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion:146 Resp: 565648
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.5 61.5
 148 64.2 31.9 95.5





#89

n-Butylbenzene

Concen: 53.783 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

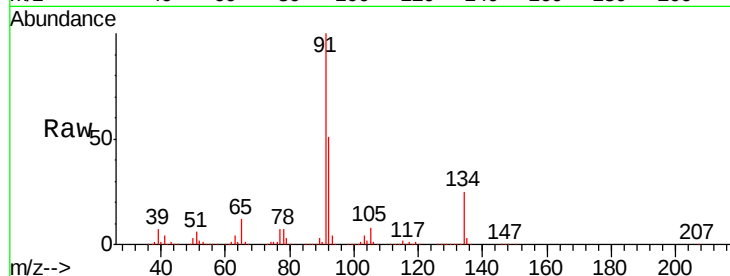
Tgt Ion: 91 Resp: 1062722

Ion Ratio Lower Upper

91 100

92 51.2 25.7 77.0

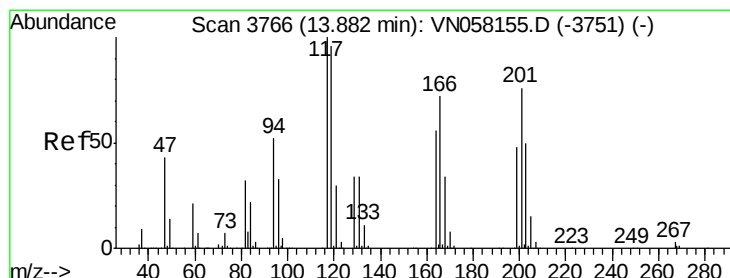
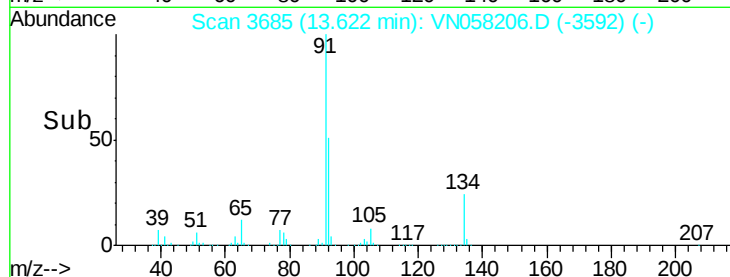
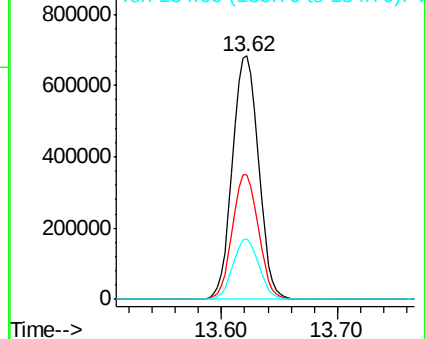
134 24.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.255 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058206.D

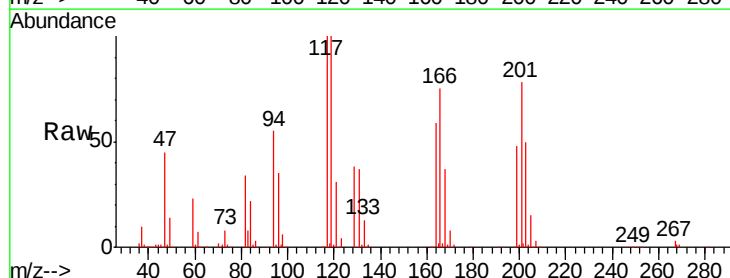
Acq: 19 Sep 2019 15:49

Tgt Ion: 117 Resp: 175975

Ion Ratio Lower Upper

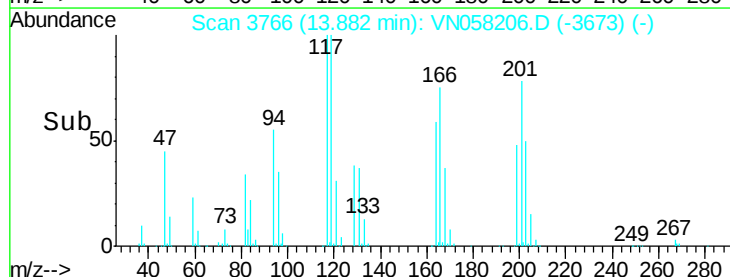
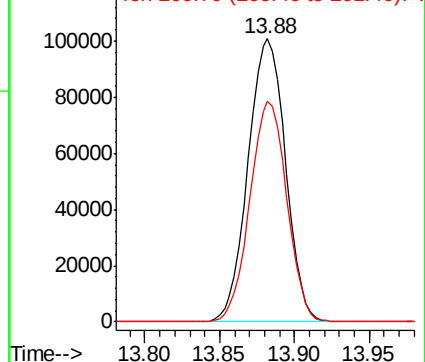
117 100

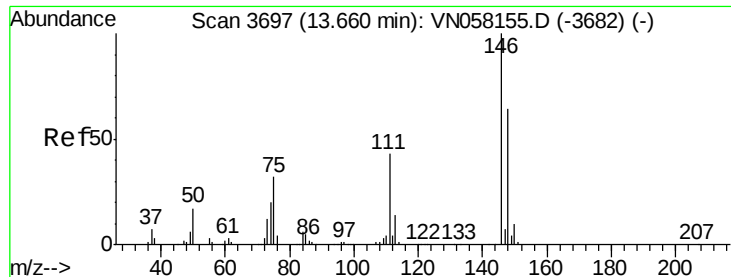
201 76.7 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 51.245 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

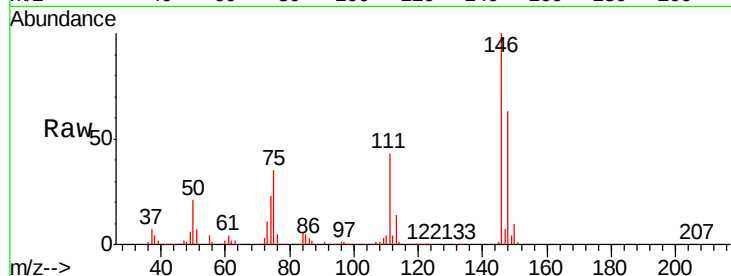
Tgt Ion:146 Resp: 561456

Ion Ratio Lower Upper

146 100

111 43.5 21.1 63.1

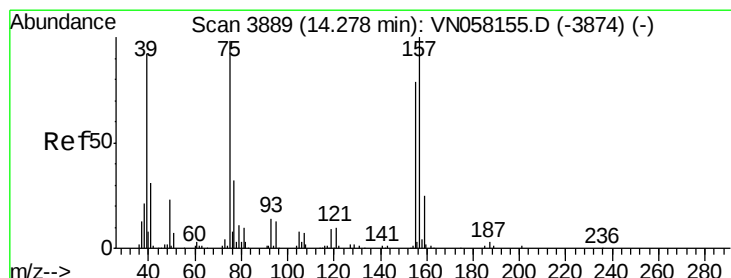
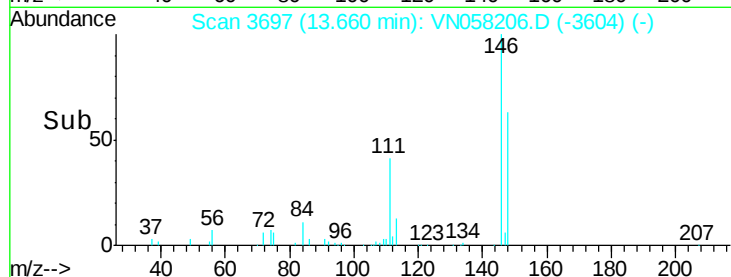
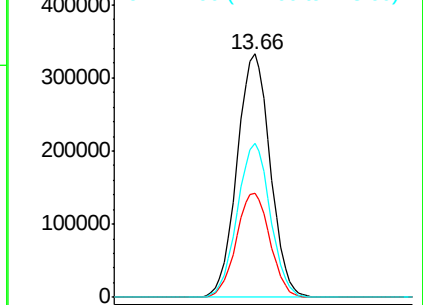
148 62.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.304 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

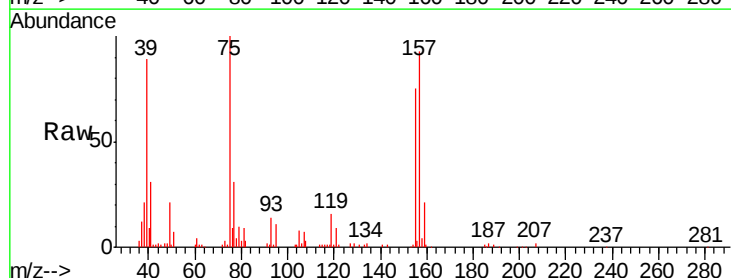
Tgt Ion: 75 Resp: 74965

Ion Ratio Lower Upper

75 100

155 73.8 38.3 114.8

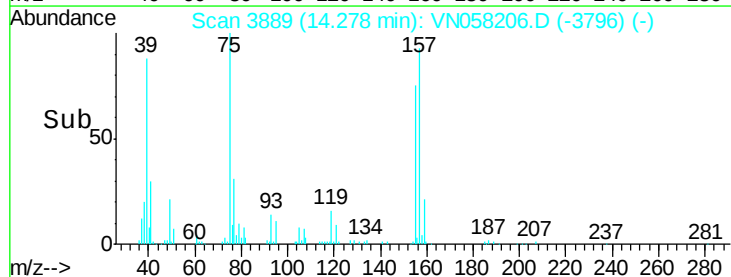
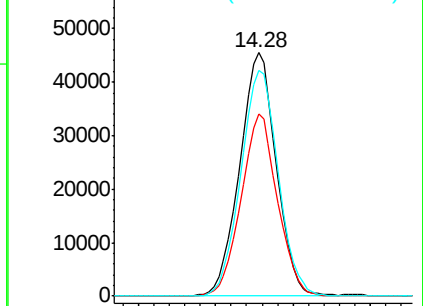
157 94.6 48.0 144.0

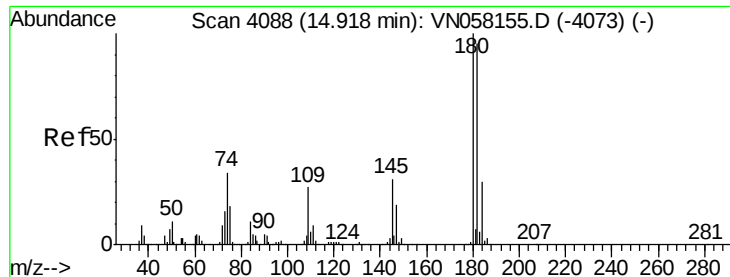


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

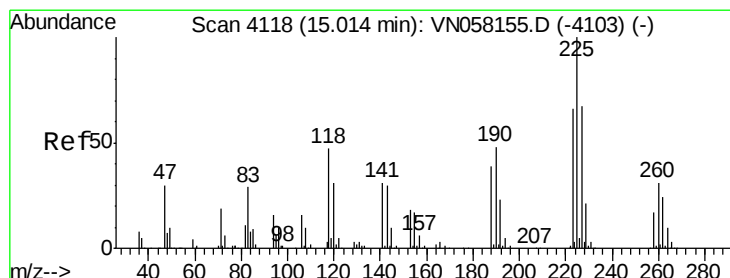
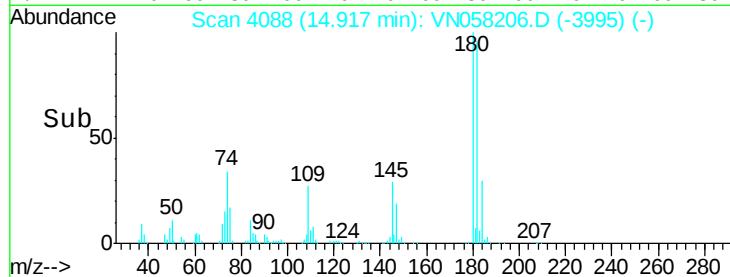
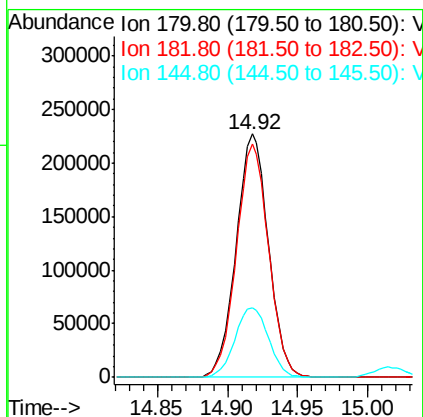
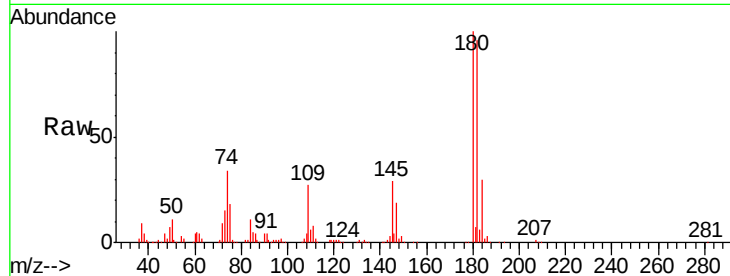




#93
 1,2,4-Trichlorobenzene
 Concen: 51.931 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

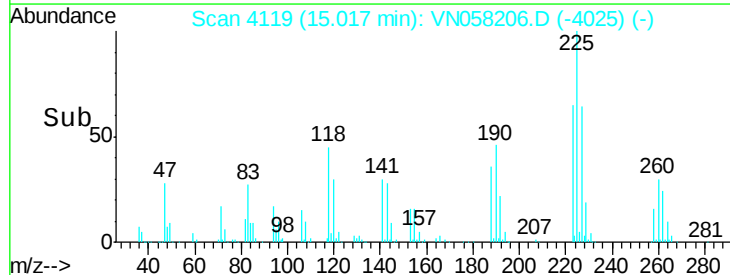
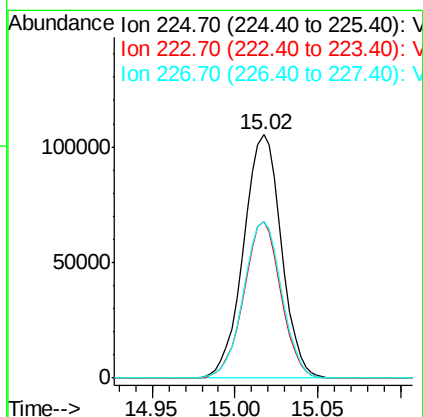
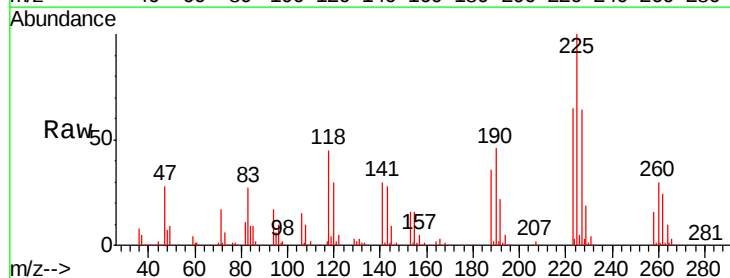
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

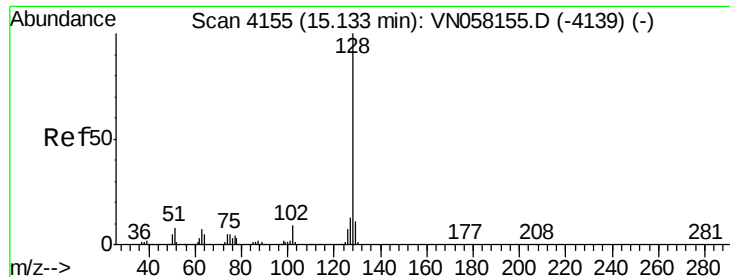
Tgt Ion:180 Resp: 363531
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.3
 145 29.9 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 49.172 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion:225 Resp: 166371
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.6 97.7
 227 64.9 33.0 99.0





#95

Naphthalene

Concen: 53.345 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

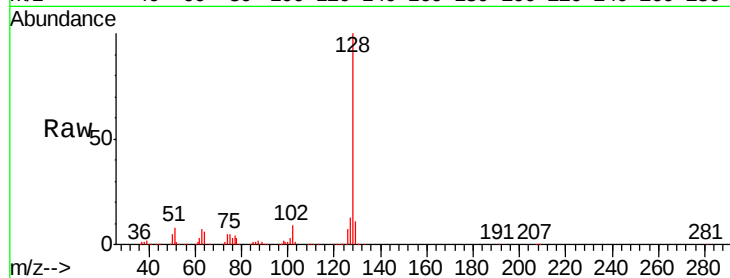
Tgt Ion:128 Resp: 967782

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

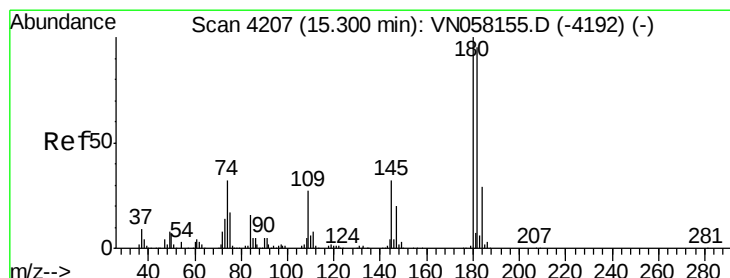
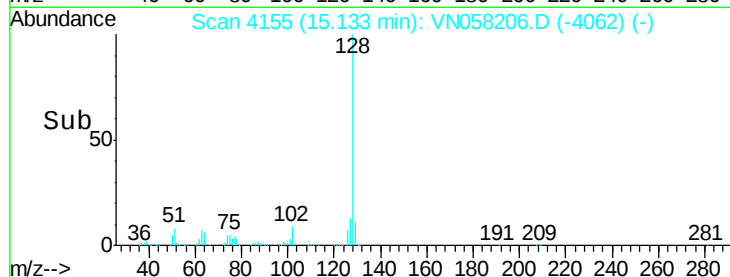
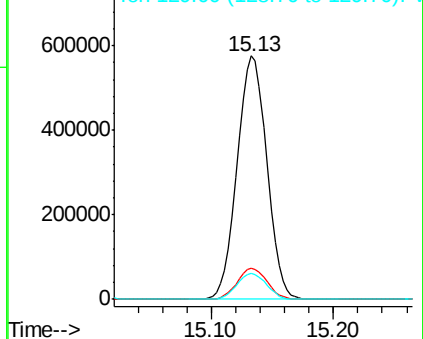
129 10.7 8.6 12.8



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: 51.365 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

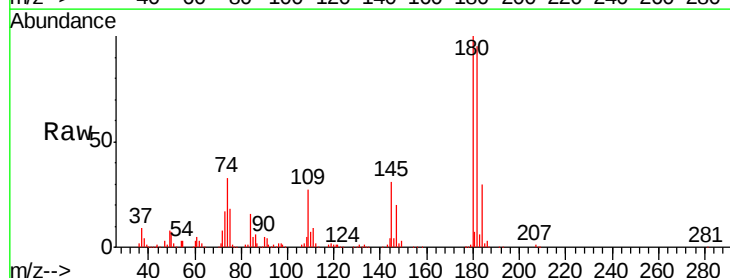
Tgt Ion:180 Resp: 339859

Ion Ratio Lower Upper

180 100

182 95.8 47.4 142.2

145 31.5 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

