

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057048.D
 Acq On : 1 Aug 2019 19:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 02 05:17:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	478106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	626607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	267377	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	240128	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	7.58	113	222396	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.08	98	832620	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	278383	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	245963	50.888	ug/l	98
3) Chloromethane	2.05	50	263890	45.595	ug/l	98
4) Vinyl Chloride	2.18	62	253482	46.708	ug/l	99
5) Bromomethane	2.54	94	156696	46.445	ug/l	99
6) Chloroethane	2.68	64	140477	46.957	ug/l	98
7) Trichlorofluoromethane	3.00	101	356379	50.166	ug/l	99
8) Diethyl Ether	3.40	74	135932	51.127	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	215723	48.979	ug/l	99
10) Methyl Iodide	3.94	142	307848	52.308	ug/l	99
11) Tert butyl alcohol	4.77	59	173603	262.429	ug/l	98
12) 1,1-Dichloroethene	3.72	96	210033	49.978	ug/l	98
13) Acrolein	3.60	56	87179	256.973	ug/l	95
14) Allyl chloride	4.31	41	333886	48.842	ug/l	98
15) Acrylonitrile	4.97	53	510829	263.320	ug/l	99
16) Acetone	3.81	43	375144	211.584	ug/l	98
17) Carbon Disulfide	4.04	76	499206	44.703	ug/l	99
18) Methyl Acetate	4.31	43	273709	48.392	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	661003	52.750	ug/l	99
20) Methylene Chloride	4.54	84	245692	48.106	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	218391	48.931	ug/l	95
22) Diisopropyl ether	5.94	45	703179	49.924	ug/l	99
23) Vinyl Acetate	5.88	43	2488902	255.039	ug/l	99
24) 1,1-Dichloroethane	5.83	63	416498	50.119	ug/l	100
25) 2-Butanone	6.82	43	608124	241.881	ug/l	96
26) 2,2-Dichloropropane	6.81	77	301891	47.776	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	263086	49.837	ug/l	100
28) Bromochloromethane	7.18	49	190907	48.873	ug/l	99
29) Tetrahydrofuran	7.20	42	415243	253.144	ug/l	98
30) Chloroform	7.36	83	417523	49.139	ug/l	98
31) Cyclohexane	7.64	56	362771	45.111	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	353843	52.194	ug/l	98
36) 1,1-Dichloropropene	7.78	75	303366	49.243	ug/l	99
37) Ethyl Acetate	6.92	43	253681	51.414	ug/l	99
38) Carbon Tetrachloride	7.76	117	310301	53.249	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	371229	47.147	ug/l	99
40) Benzene	8.03	78	941474	49.617	ug/l	100
41) Methacrylonitrile	7.16	41	121533	53.281	ug/l	92
42) 1,2-Dichloroethane	8.11	62	306353	51.515	ug/l	99
43) Isopropyl Acetate	8.15	43	414931	50.879	ug/l	99
44) Trichloroethene	8.83	130	265164	50.724	ug/l	98
45) 1,2-Dichloropropane	9.11	63	254134	50.072	ug/l	99
46) Dibromomethane	9.20	93	160906	52.570	ug/l	98
47) Bromodichloromethane	9.39	83	315799	52.477	ug/l	99
48) Methyl methacrylate	9.19	41	206935	52.557	ug/l	98
49) 1,4-Dioxane	9.19	88	86120	1061.377	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1264509	260.964	ug/l	100
52) Toluene	10.15	92	589773	51.733	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	328645	52.627	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	377462	51.985	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	236131	51.648	ug/l	98
56) Ethyl methacrylate	10.42	69	341084	49.422	ug/l	98
57) 1,3-Dichloropropane	10.70	76	387727	51.143	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	579513	211.524	ug/l	99
59) 2-Hexanone	10.74	43	880442	236.087	ug/l	98
60) Dibromochloromethane	10.90	129	256903	54.847	ug/l	99
61) 1,2-Dibromoethane	11.00	107	241560	54.141	ug/l	99
64) Tetrachloroethene	10.63	164	271736	50.324	ug/l	99
65) Chlorobenzene	11.43	112	639259	50.055	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	248104	51.615	ug/l	99
67) Ethyl Benzene	11.51	91	1114716	50.503	ug/l	100
68) m/p-Xylenes	11.62	106	843403	103.536	ug/l	100
69) o-Xylene	11.94	106	412689	51.783	ug/l	100
70) Styrene	11.96	104	687795	48.871	ug/l	100
71) Bromoform	12.12	173	182435	54.361	ug/l #	100
73) Isopropylbenzene	12.25	105	1114216	48.218	ug/l	99
74) N-amyl acetate	12.07	43	343548	51.202	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	304861	52.314	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	370120	68.162	ug/l #	100
77) Bromobenzene	12.52	156	291776	48.380	ug/l	99
78) n-propylbenzene	12.59	91	1201351	48.691	ug/l	100
79) 2-Chlorotoluene	12.67	91	721811	47.510	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	933995	49.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	86775	51.346	ug/l	97
82) 4-Chlorotoluene	12.77	91	700125	49.243	ug/l	100
83) tert-Butylbenzene	12.99	119	814457	48.511	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	909290	49.828	ug/l	100
85) sec-Butylbenzene	13.17	105	1044392	48.227	ug/l	100
86) p-Isopropyltoluene	13.29	119	955457	49.695	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	457575	49.878	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	433318	49.065	ug/l	99
89) n-Butylbenzene	13.61	91	735314	49.624	ug/l	99
90) Hexachloroethane	13.87	117	164613	49.723	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	457194	50.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47437	51.614	ug/l	97

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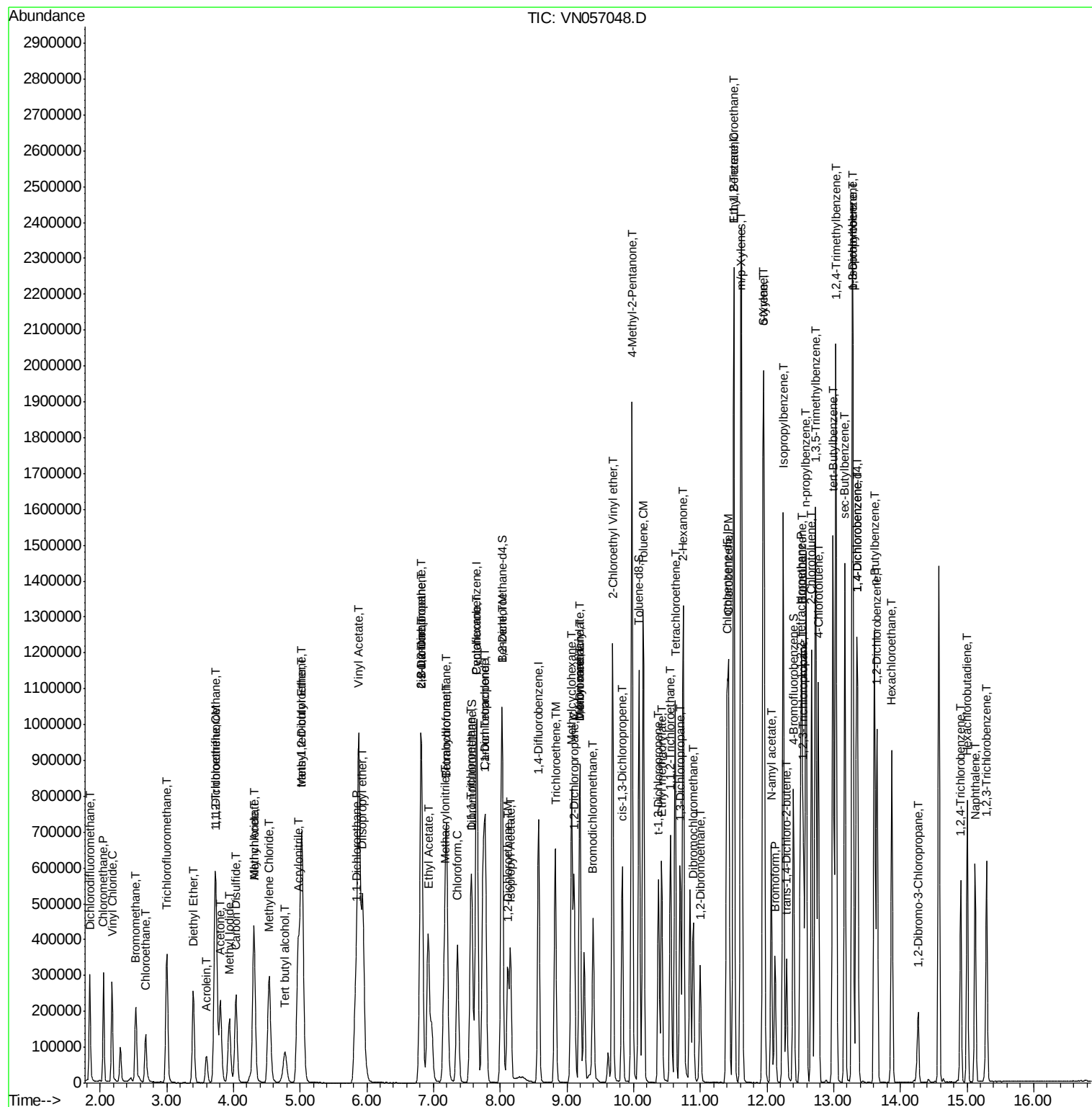
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	199673	43.255	ug/l	100
94) Hexachlorobutadiene	15.00	225	168908	53.808	ug/l	98
95) Naphthalene	15.12	128	526162	46.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	224211	47.732	ug/l	100

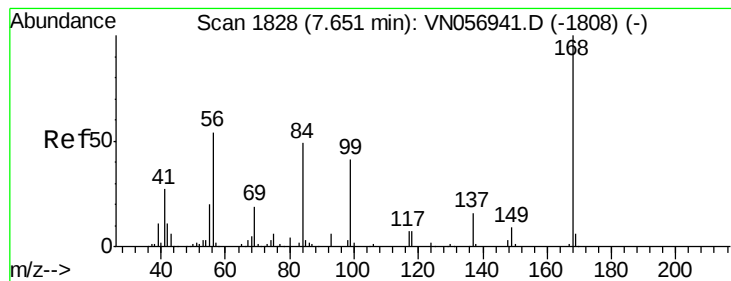
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

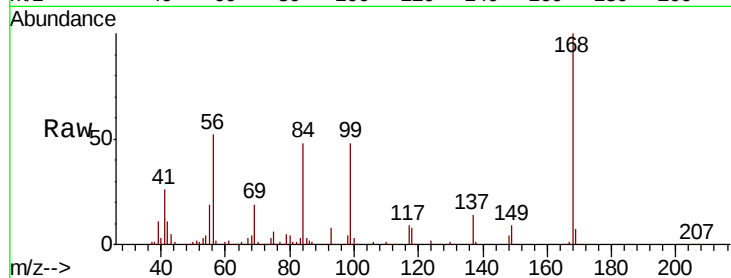
VSTDCCC050EC

Tot Ion:168 Resp: 478106

Ion Ratio Lower Upper

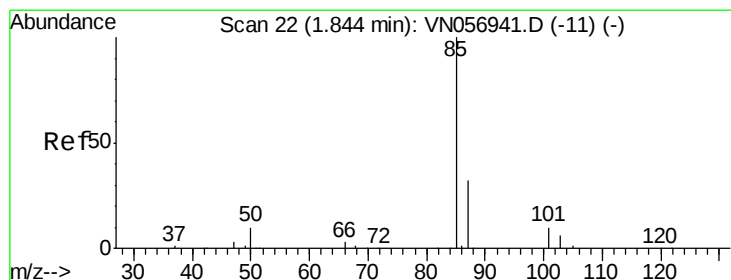
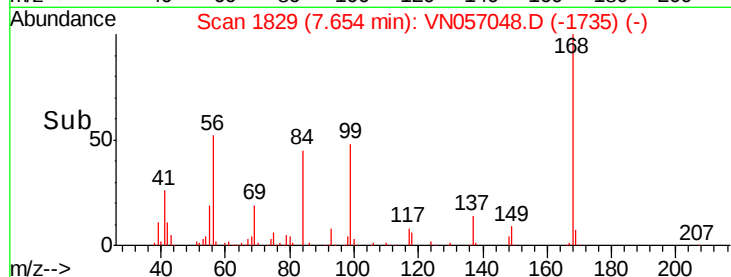
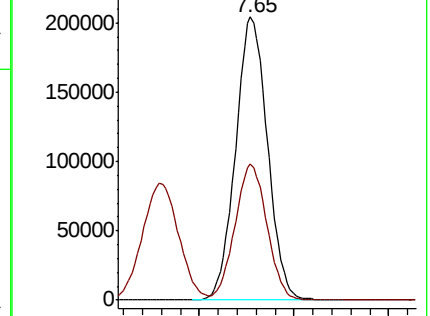
168 100

99 47.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.888 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057048.D

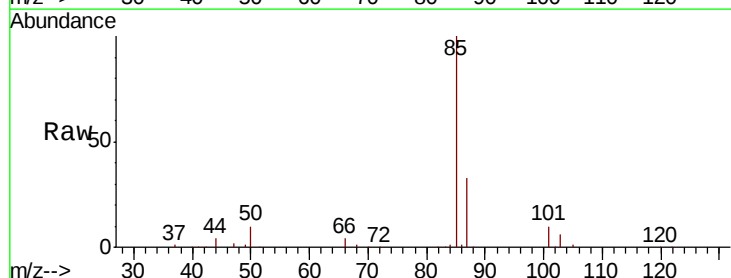
Acq: 1 Aug 2019 19:27

Tgt Ion: 85 Resp: 245963

Ion Ratio Lower Upper

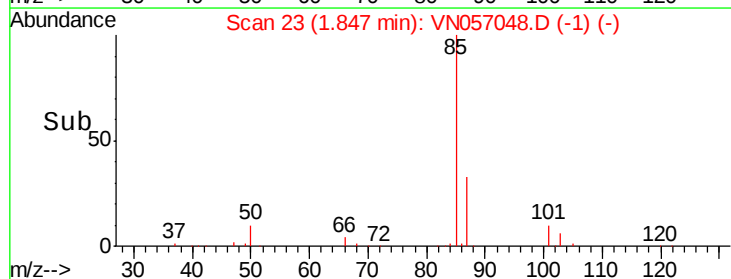
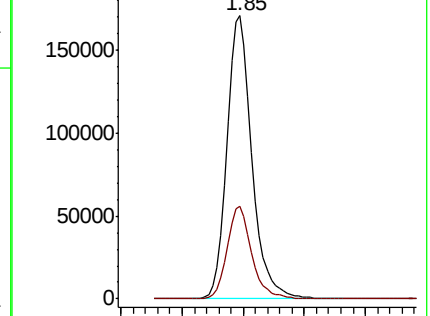
85 100

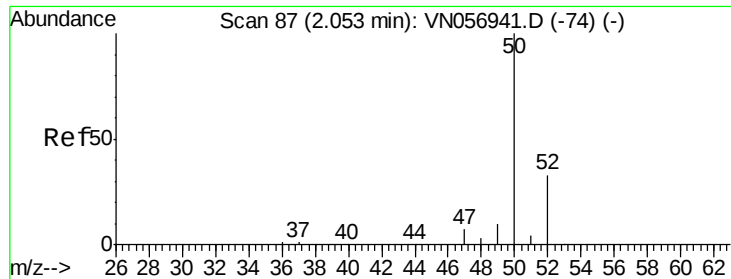
87 32.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.595 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

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ClientSampleId :

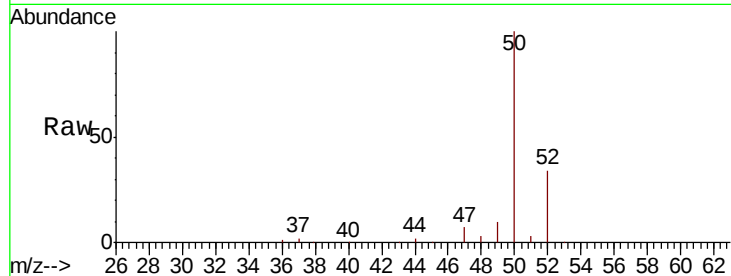
VSTDCCC050EC

Tot Ion: 50 Resp: 263890

Ion Ratio Lower Upper

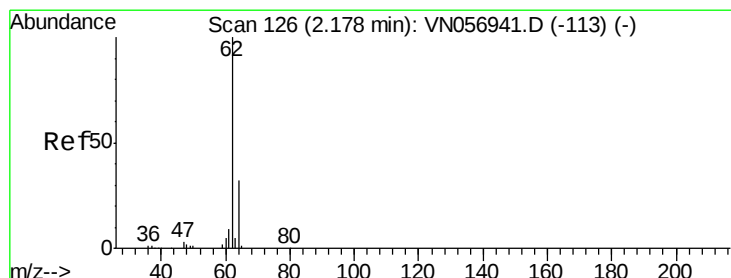
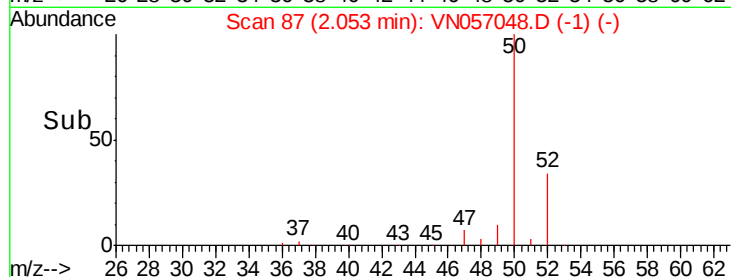
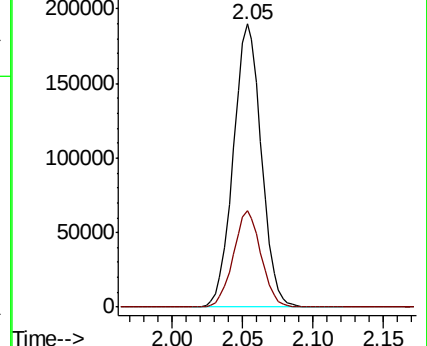
50 100

52 33.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.708 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057048.D

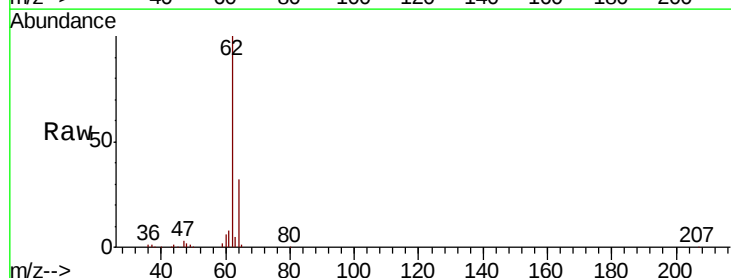
Acq: 1 Aug 2019 19:27

Tgt Ion: 62 Resp: 253482

Ion Ratio Lower Upper

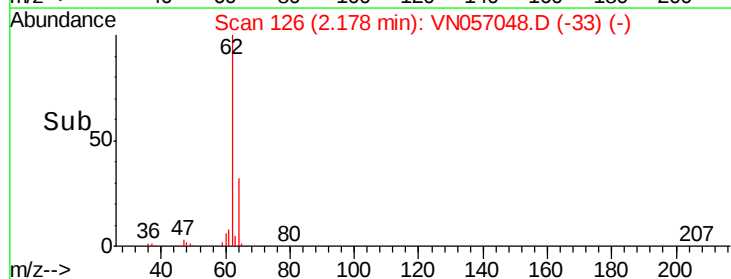
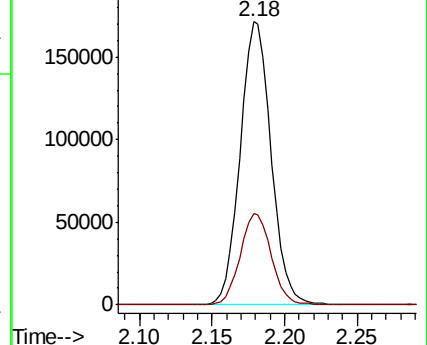
62 100

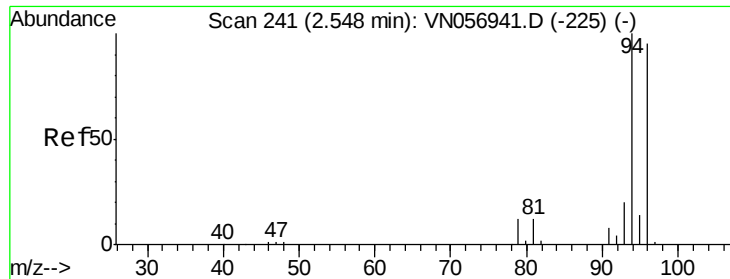
64 32.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

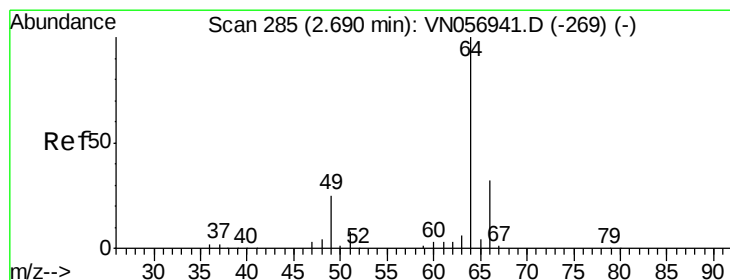
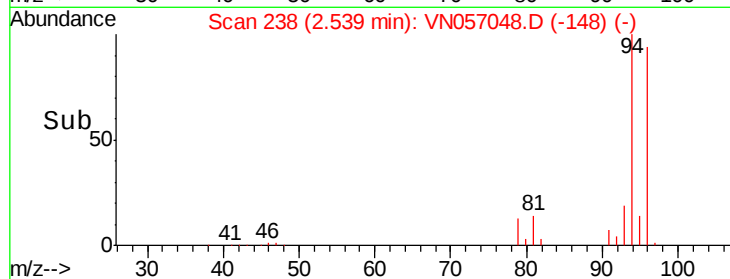
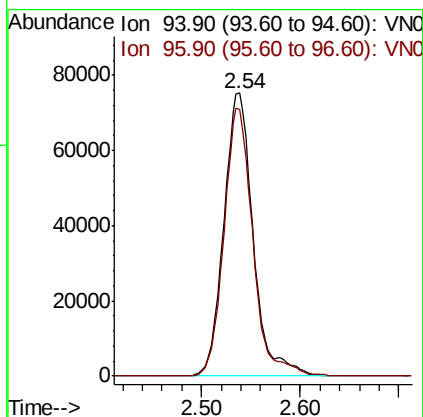
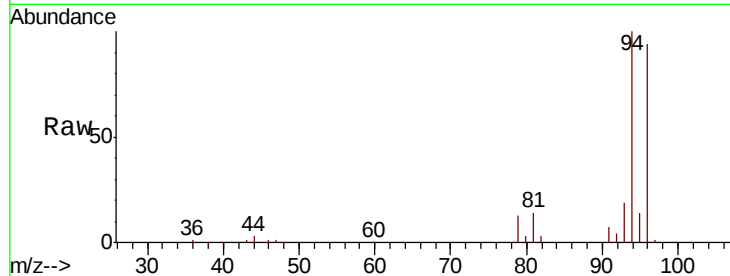




#5
Bromomethane
Concen: 46.445 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

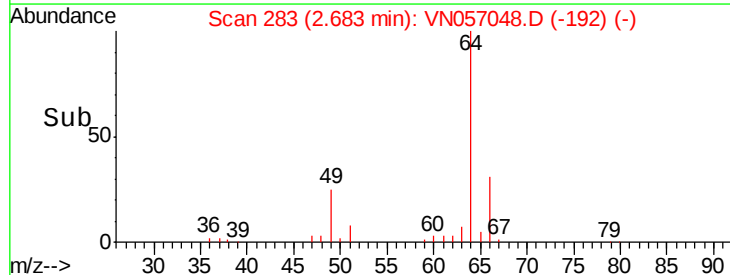
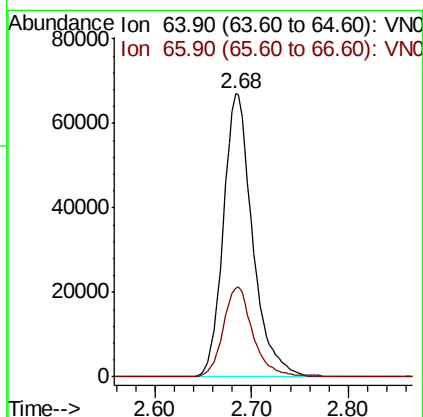
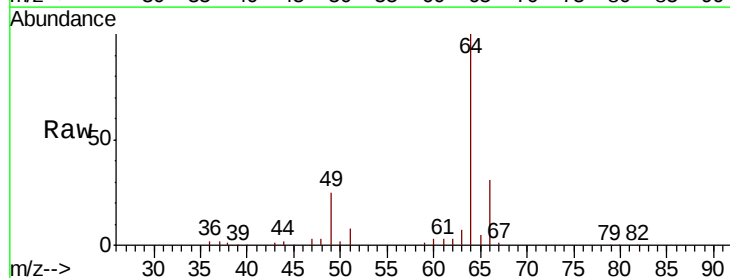
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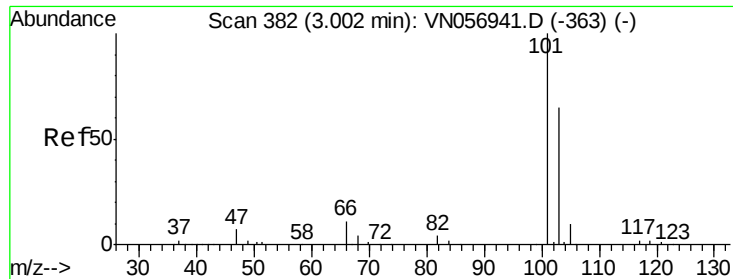
Tot Ion: 94 Resp: 156696
Ion Ratio Lower Upper
94 100
96 94.4 76.2 114.2



#6
Chloroethane
Concen: 46.957 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 64 Resp: 140477
Ion Ratio Lower Upper
64 100
66 31.3 25.8 38.8



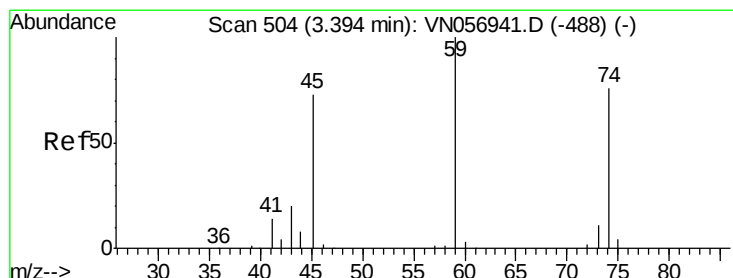
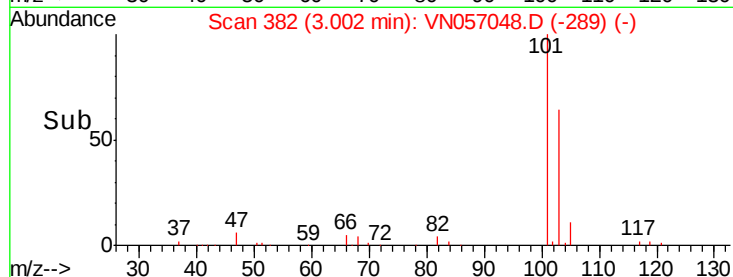
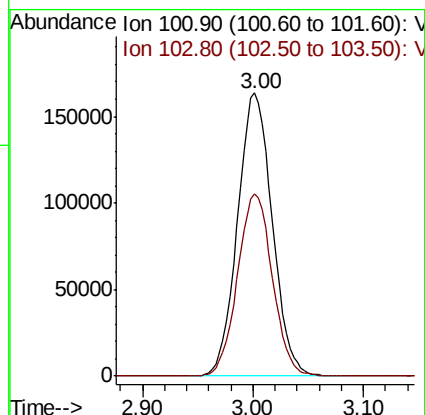
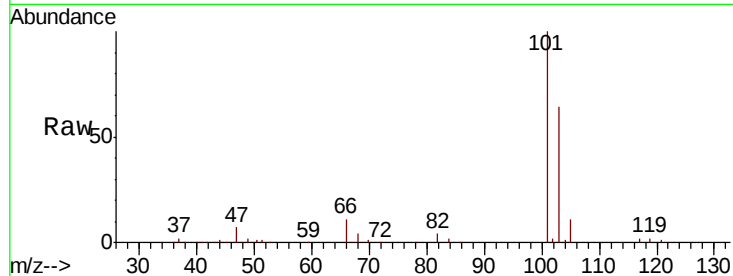


#7

Trichlorofluoromethane
 Concen: 50.166 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
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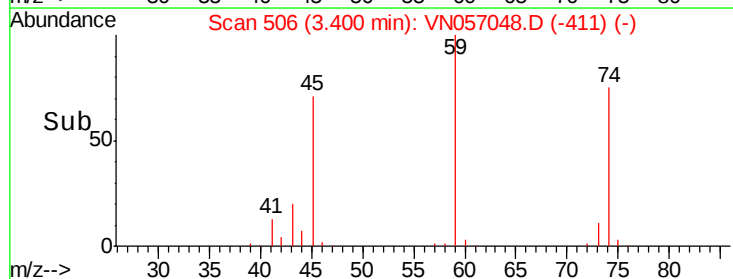
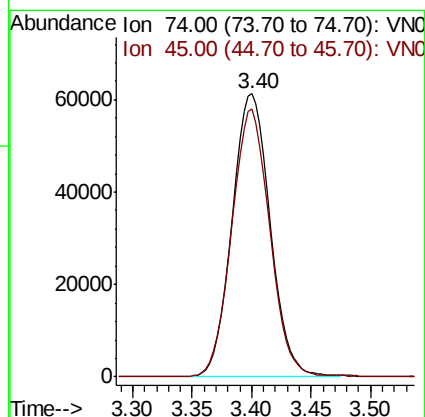
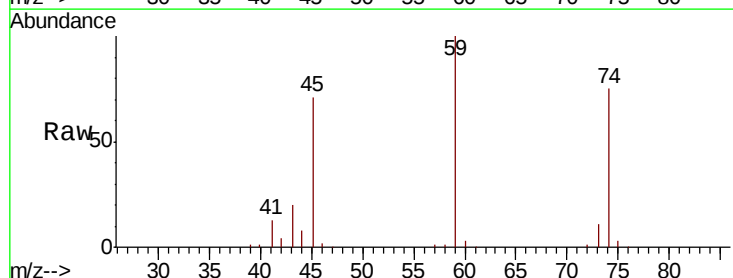
Tot Ion:101 Resp: 356379
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.1 78.1

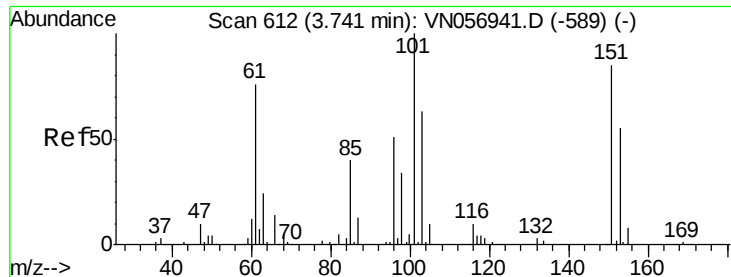


#8

Diethyl Ether
 Concen: 51.127 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 74 Resp: 135932
 Ion Ratio Lower Upper
 74 100
 45 94.7 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.979 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

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MSVOA_N

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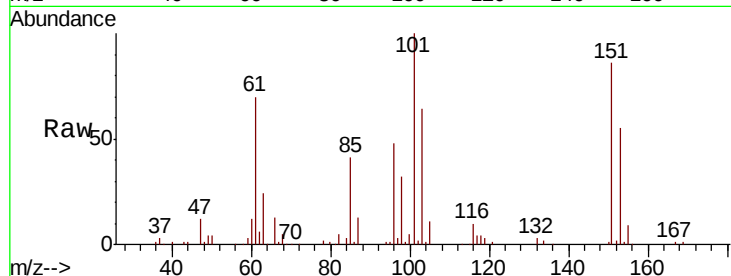
Tot Ion:101 Resp: 215723

Ion Ratio Lower Upper

101 100

85 40.5 32.3 48.5

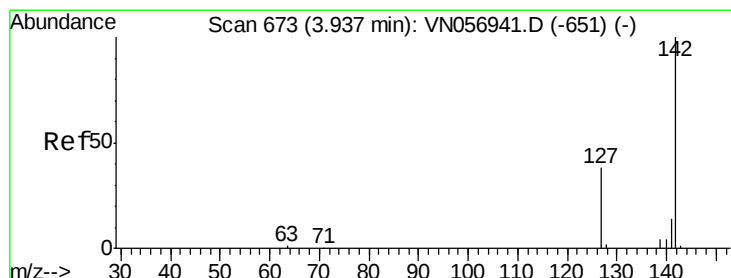
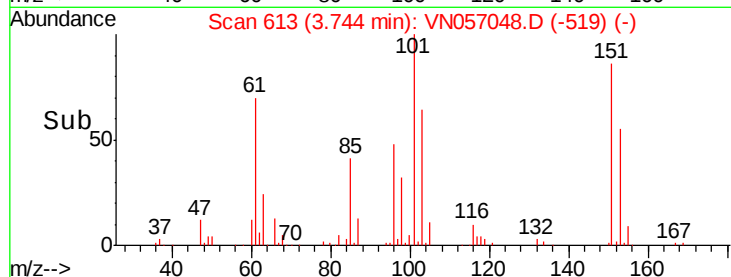
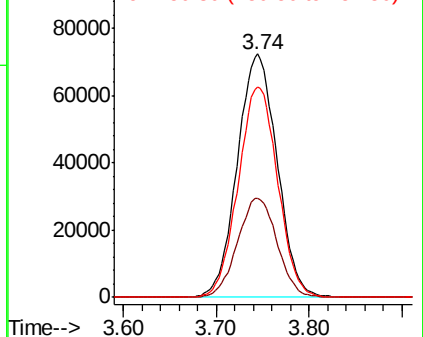
151 85.8 68.0 102.0



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: 52.308 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

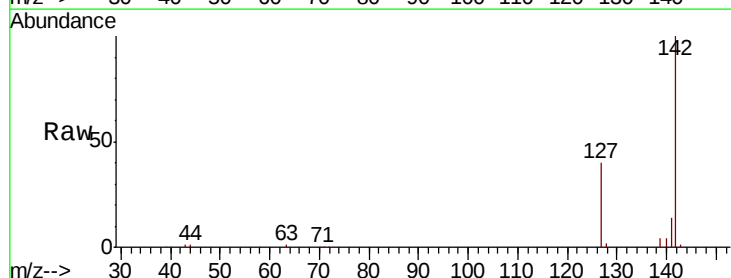
Tgt Ion:142 Resp: 307848

Ion Ratio Lower Upper

142 100

127 38.8 30.4 45.6

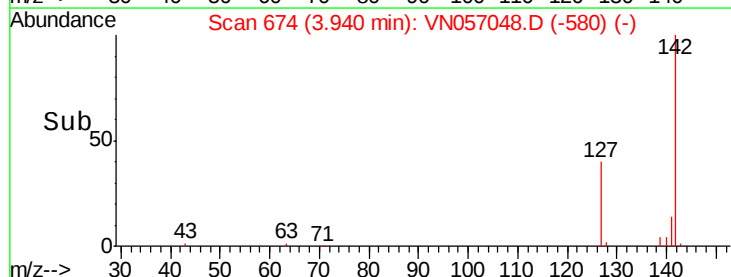
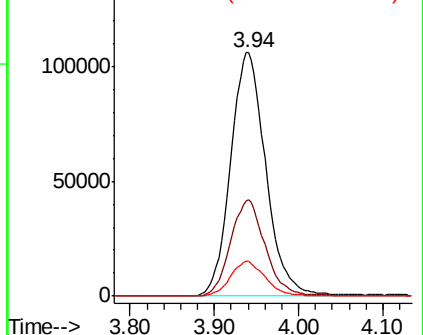
141 14.2 11.1 16.7

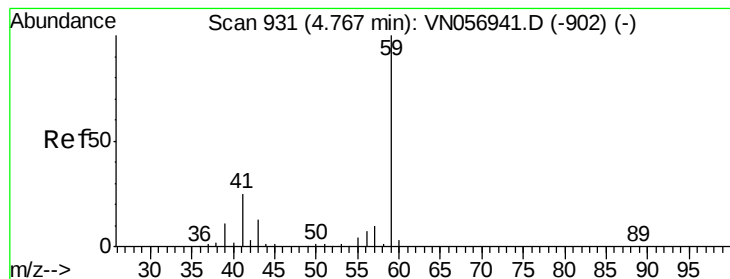


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



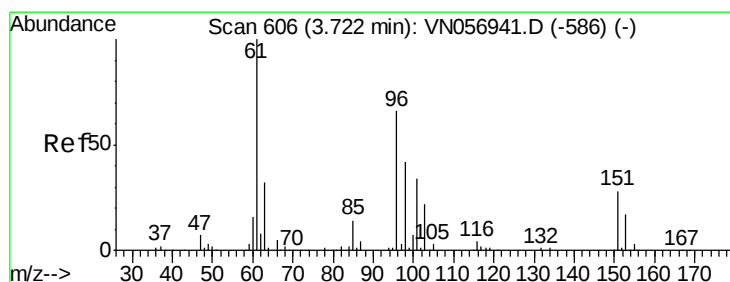
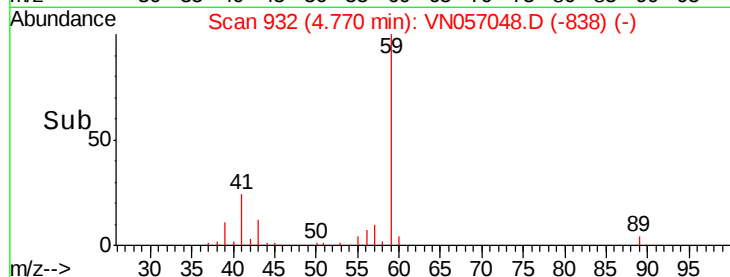
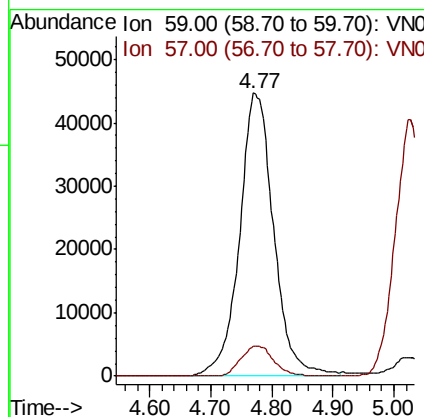
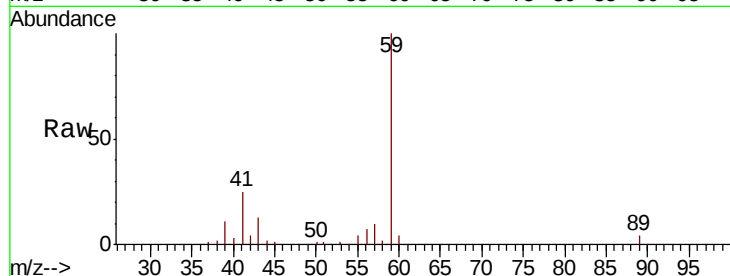


#11

Tert butyl alcohol
 Concen: 262.429 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

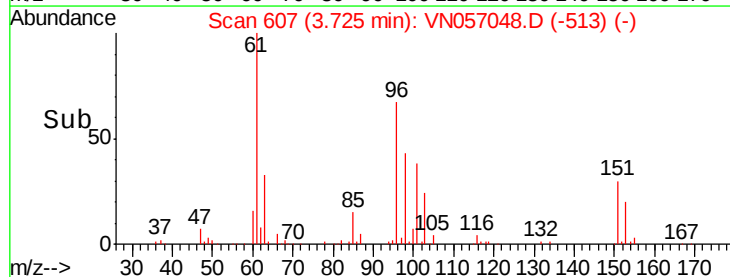
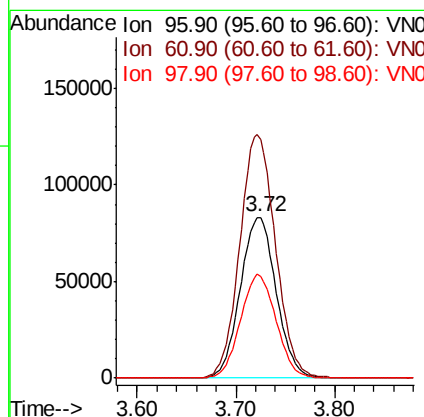
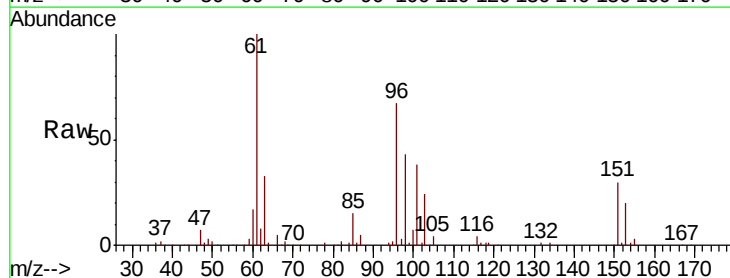
Tot Ion: 59 Resp: 173603
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.5 11.3

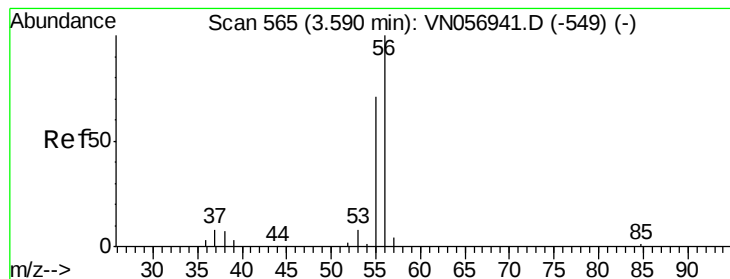


#12

1,1-Dichloroethene
 Concen: 49.978 ug/l
 RT: 3.72 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 96 Resp: 210033
 Ion Ratio Lower Upper
 96 100
 61 148.6 121.8 182.8
 98 63.5 51.7 77.5





#13

Acrolein

Concen: 256.973 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

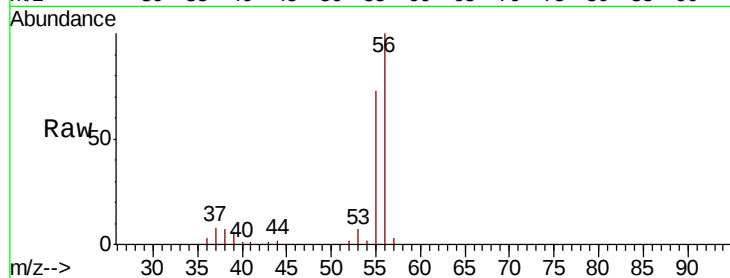
VSTDCCC050EC

Tot Ion: 56 Resp: 87179

Ion Ratio Lower Upper

56 100

55 73.6 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056941.D (-549) (-)

3.60

40000

30000

20000

10000

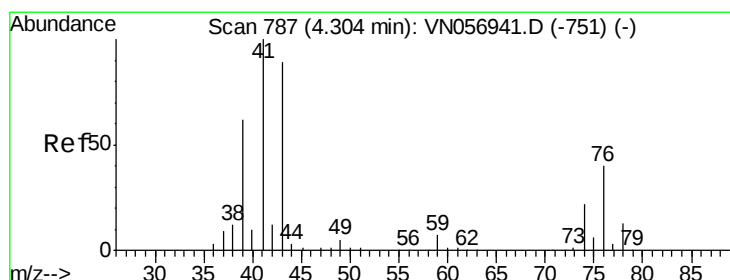
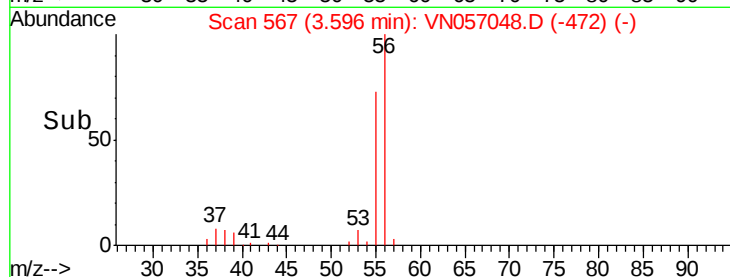
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 48.842 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

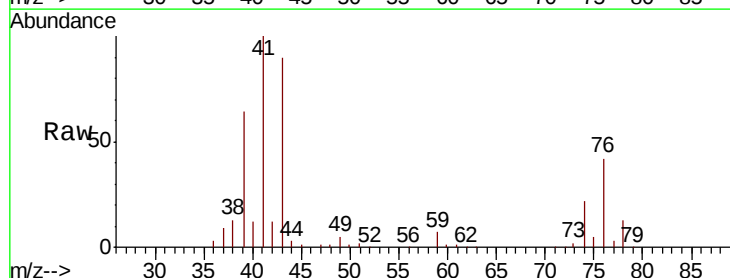
Tgt Ion: 41 Resp: 333886

Ion Ratio Lower Upper

41 100

39 59.4 46.4 69.6

76 36.7 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN056941.D (-751) (-)

4.31

100000

50000

0

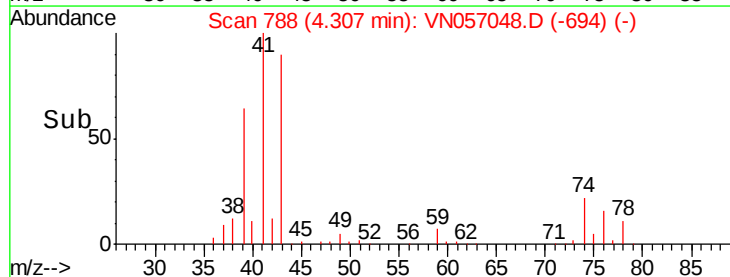
Time-->

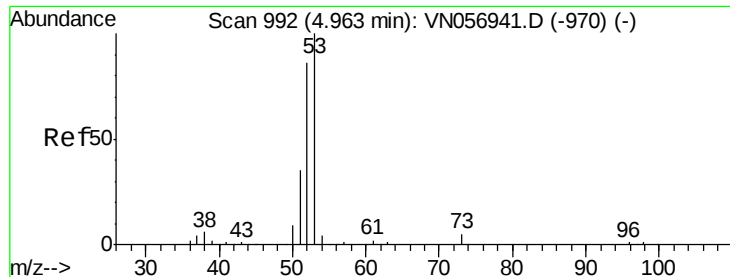
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 263.320 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

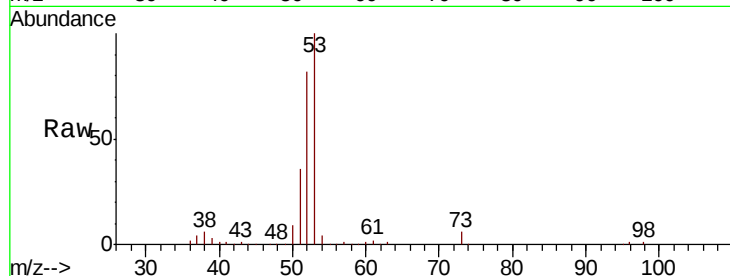
Tot Ion: 53 Resp: 510829

Ion Ratio Lower Upper

53 100

52 81.6 66.5 99.7

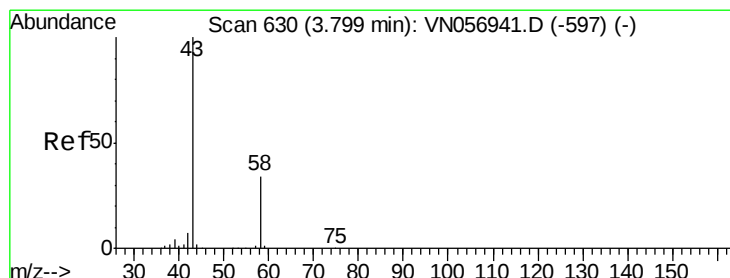
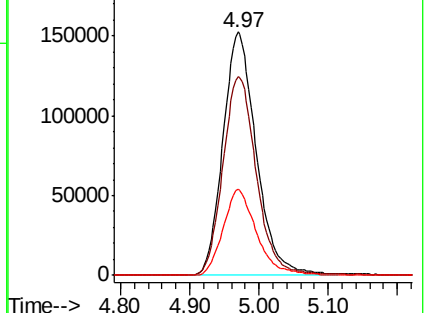
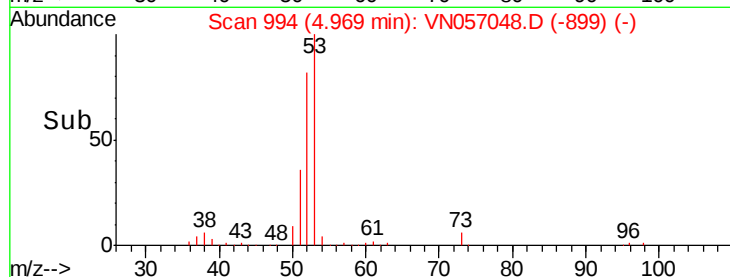
51 35.5 28.4 42.6



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: 211.584 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057048.D

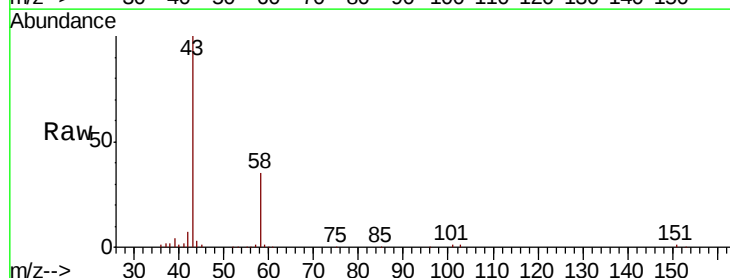
Acq: 1 Aug 2019 19:27

Tgt Ion: 43 Resp: 375144

Ion Ratio Lower Upper

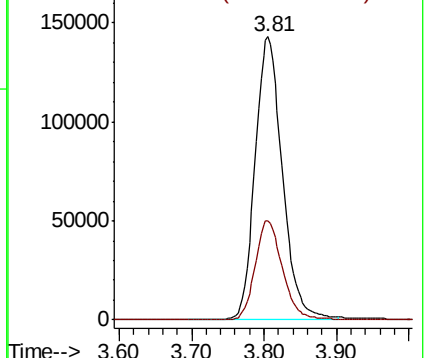
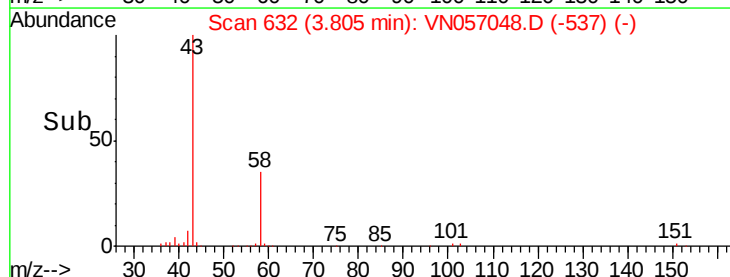
43 100

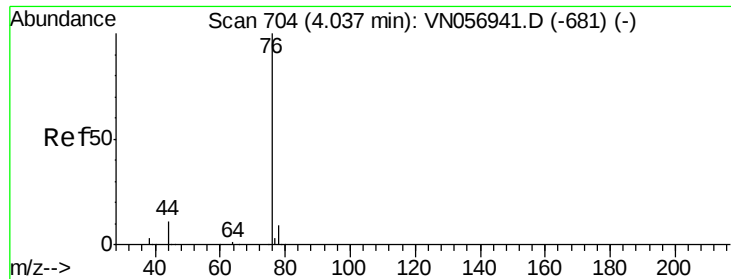
58 34.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

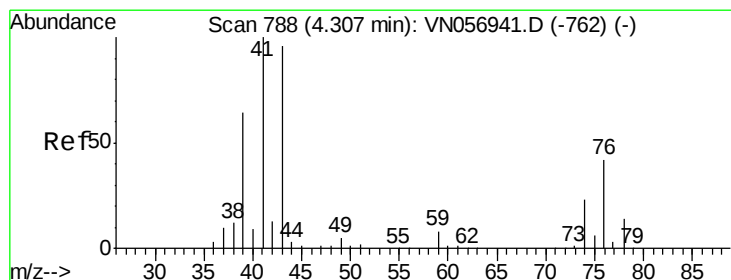
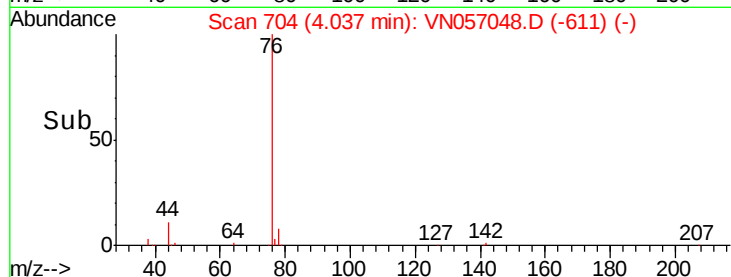
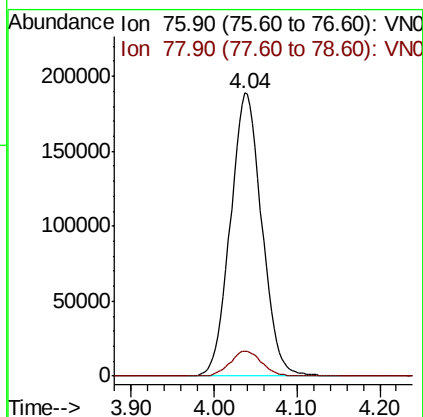
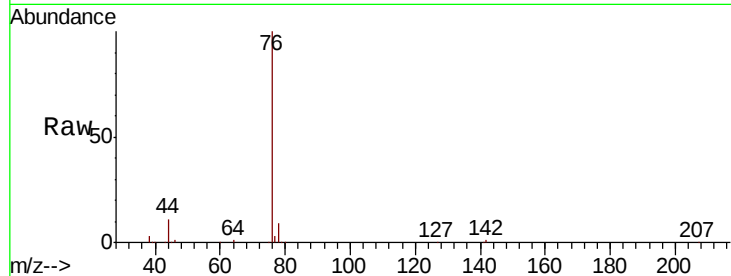




#17
Carbon Disulfide
Concen: 44.703 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

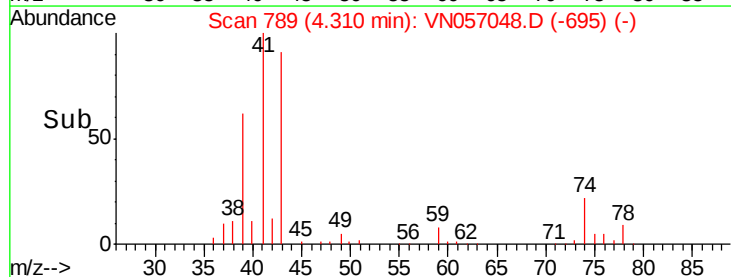
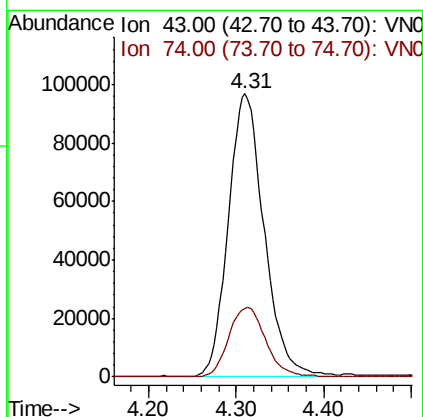
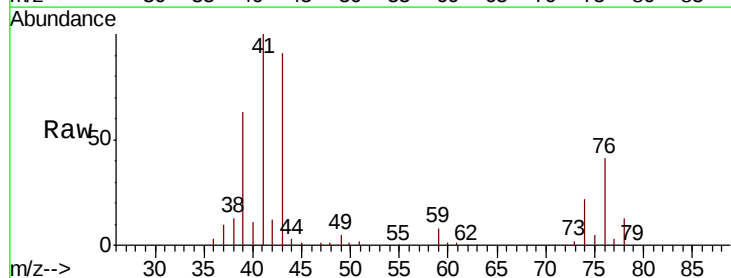
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

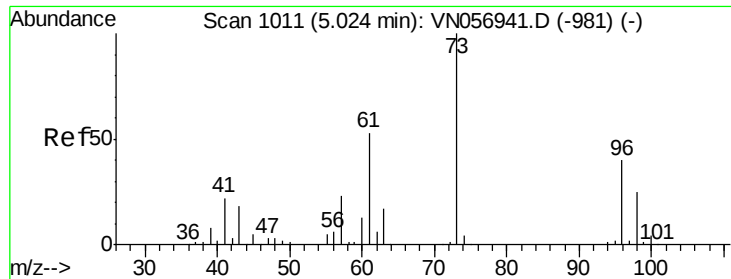
Tot Ion: 76 Resp: 499206
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 48.392 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 43 Resp: 273709
Ion Ratio Lower Upper
43 100
74 25.4 19.7 29.5

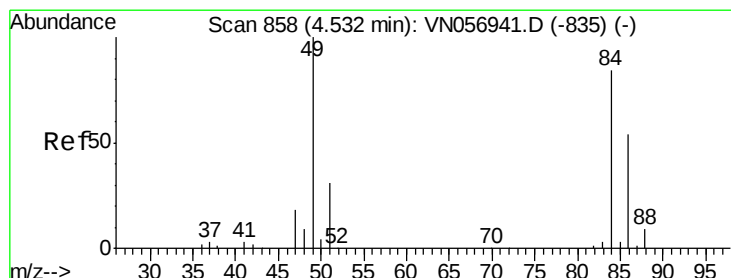
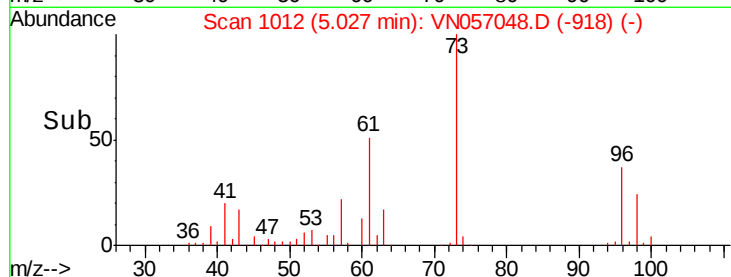
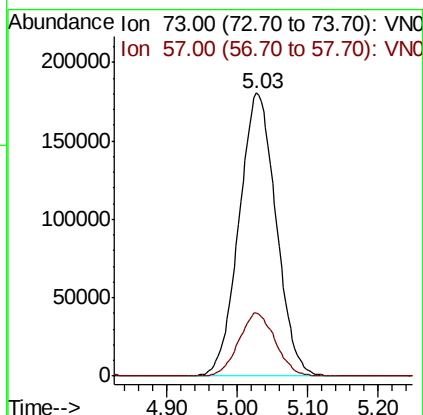
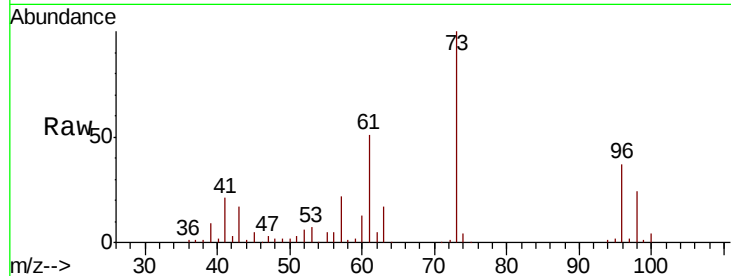




#19
Methvl tert-butvl Ether
Concen: 52.750 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

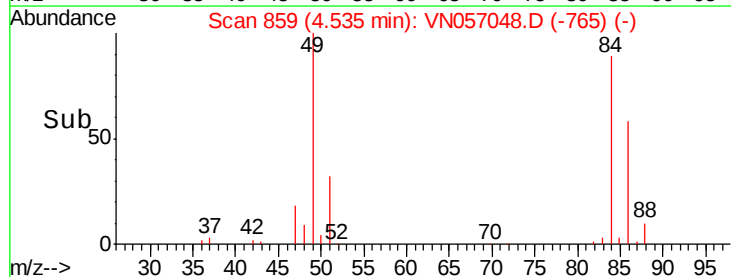
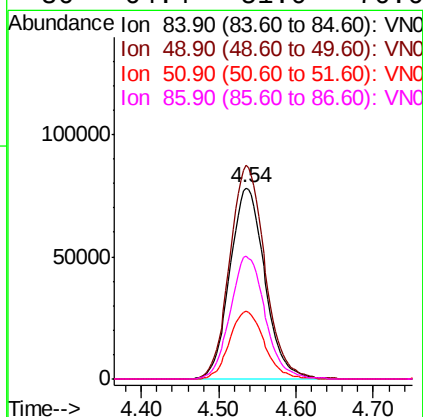
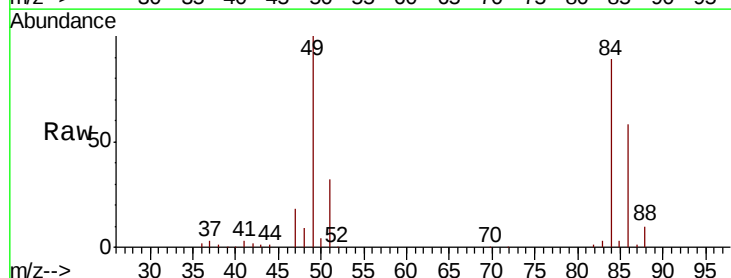
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

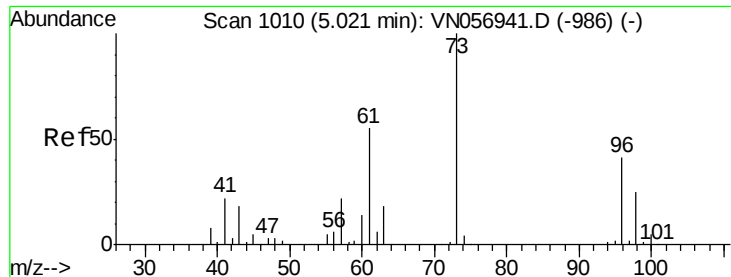
Tot Ion: 73 Resp: 661003
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 48.106 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 84 Resp: 245692
Ion Ratio Lower Upper
84 100
49 111.8 95.2 142.8
51 35.2 29.7 44.5
86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.931 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

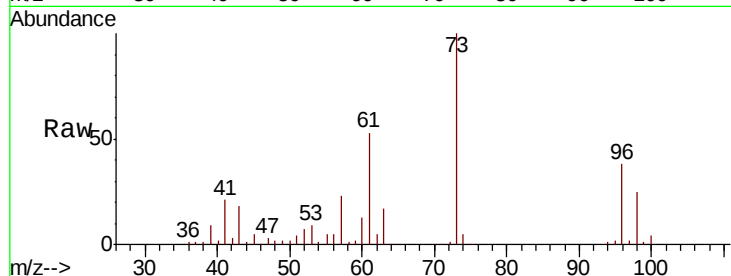
Tot Ion: 96 Resp: 218391

Ion Ratio Lower Upper

96 100

61 139.8 107.5 161.3

98 66.8 49.9 74.9

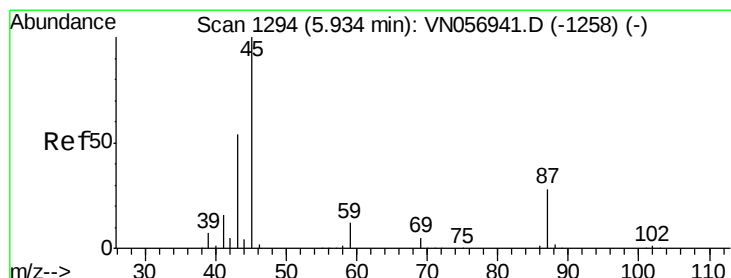
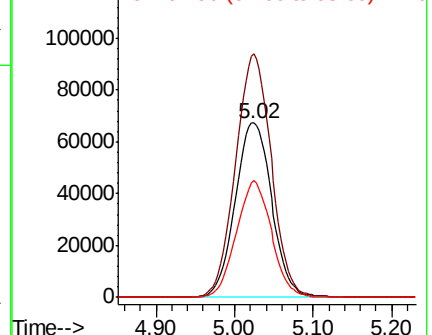
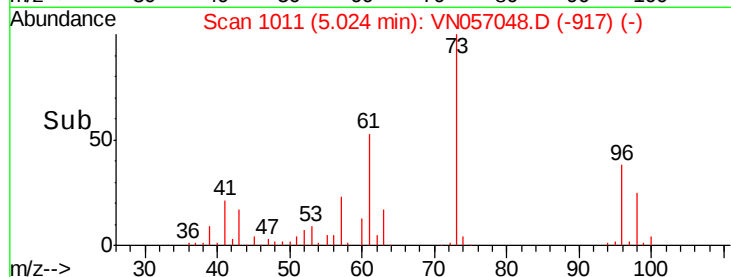


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.924 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion: 45 Resp: 703179

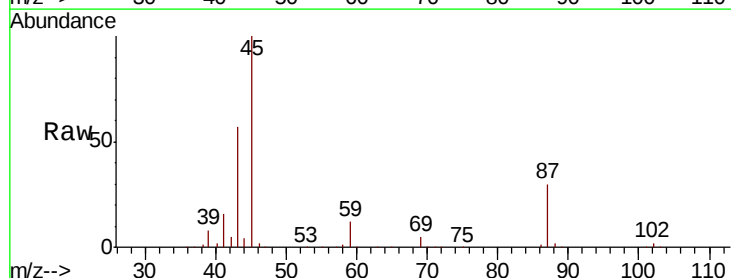
Ion Ratio Lower Upper

45 100

43 56.2 44.7 67.1

87 30.1 23.0 34.6

59 12.2 9.8 14.8



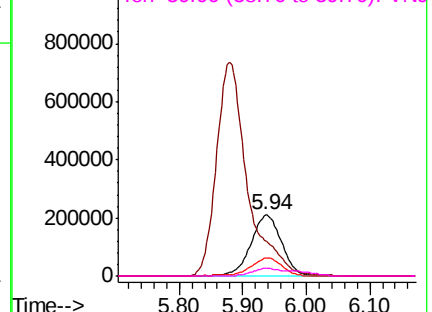
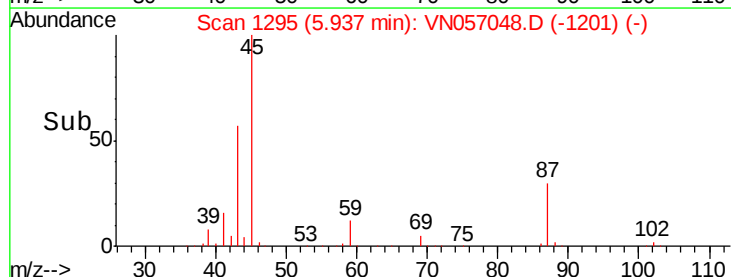
Abundance

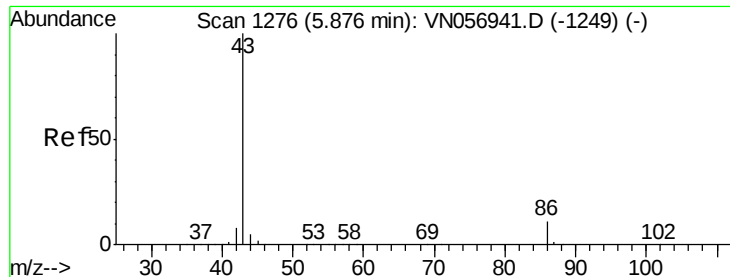
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 255.039 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

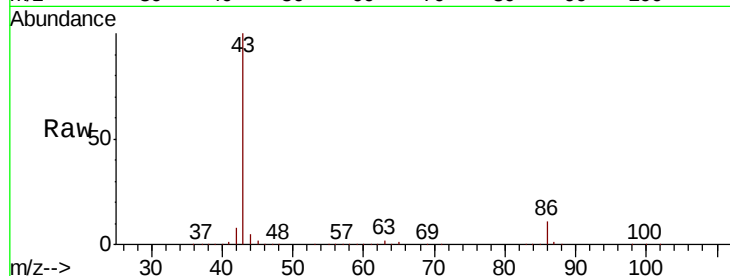
VSTDCCC050EC

Tot Ion: 43 Resp: 2488902

Ion Ratio Lower Upper

43 100

86 11.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1249) (-)

Ion 86.00 (85.70 to 86.70): VN056941.D (-1249) (-)

5.88

800000

600000

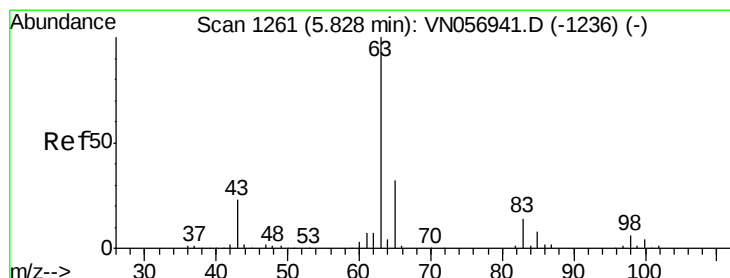
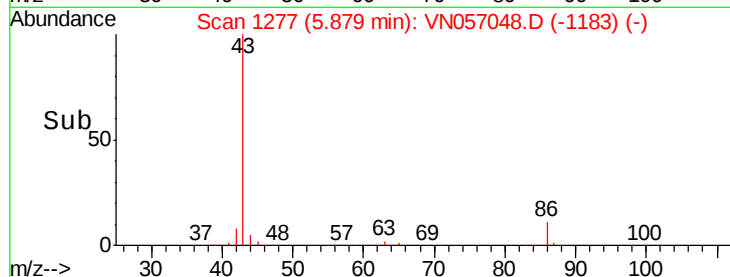
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 50.119 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

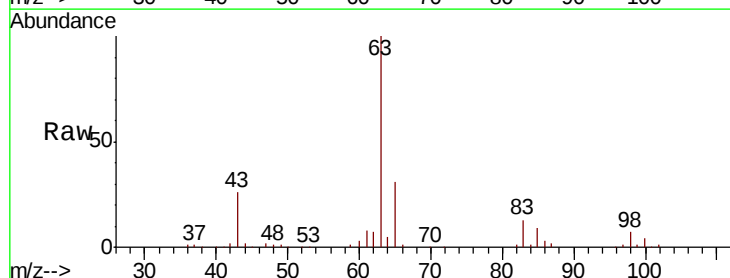
Tgt Ion: 63 Resp: 416498

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN056941.D (-1236) (-)

Ion 97.90 (97.60 to 98.60): VN056941.D (-1236) (-)

Ion 99.90 (99.60 to 100.60): VN056941.D (-1236) (-)

5.83

150000

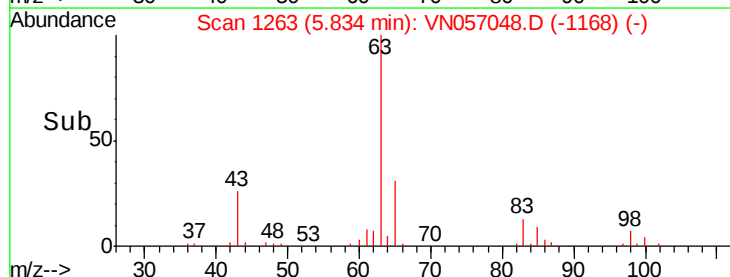
100000

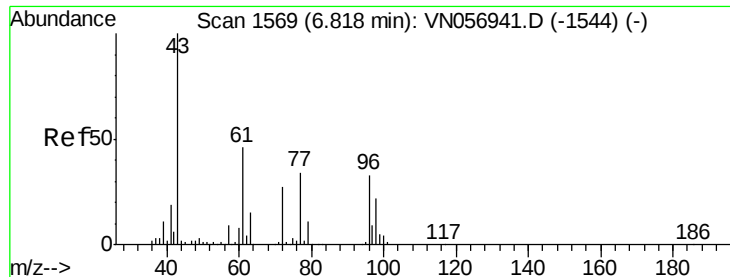
50000

0

5.70 5.80 5.90

Time-->

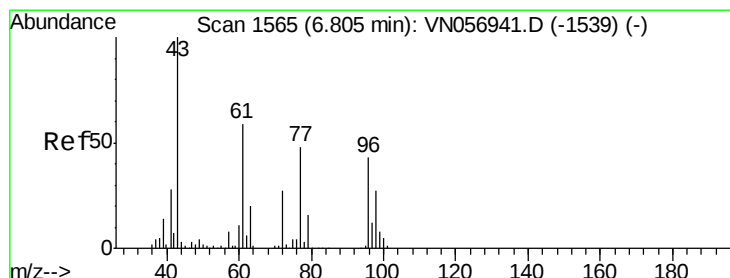
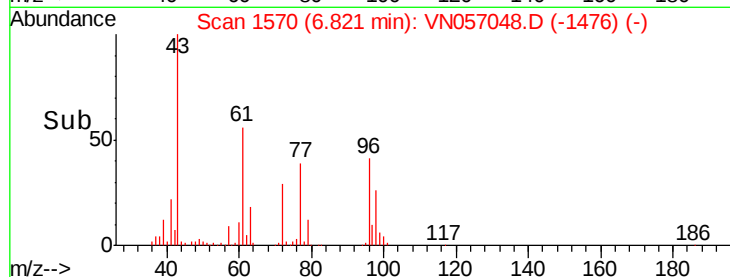
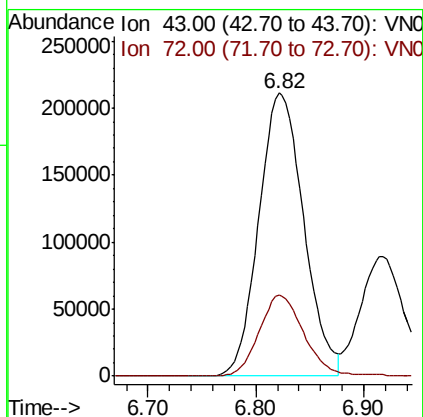
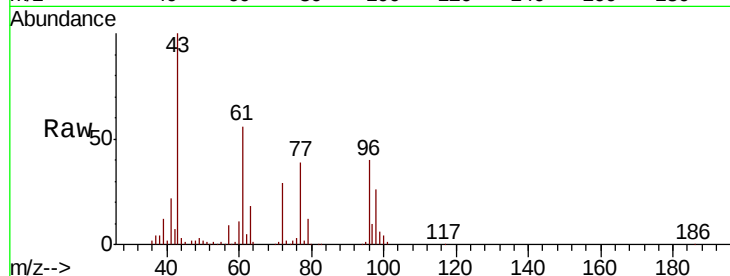




#25
2-Butanone
Concen: 241.881 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

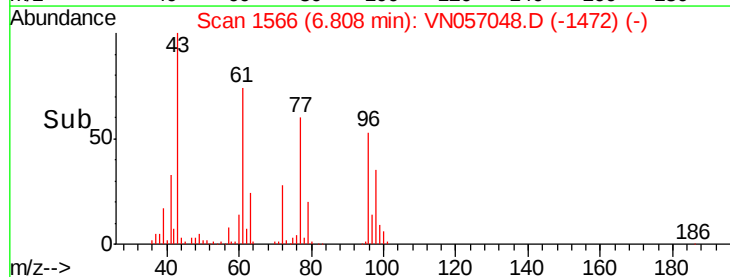
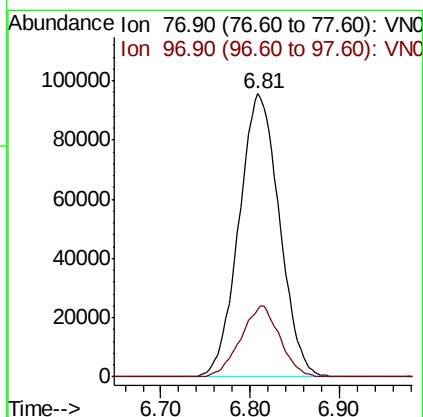
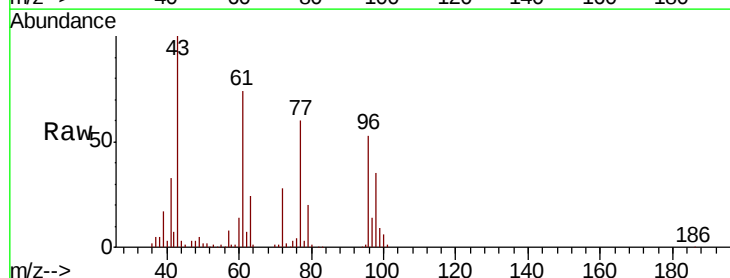
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

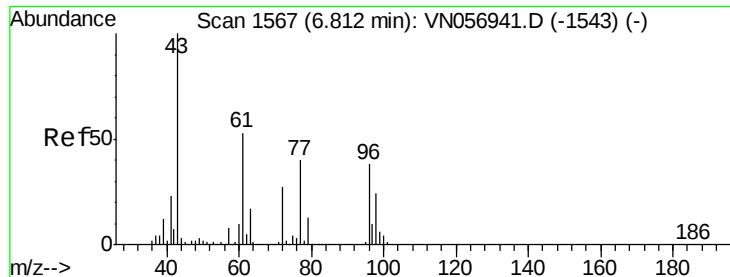
Tot Ion: 43 Resp: 608124
Ion Ratio Lower Upper
43 100
72 28.8 21.5 32.3



#26
2,2-Dichloropropane
Concen: 47.776 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 77 Resp: 301891
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.6

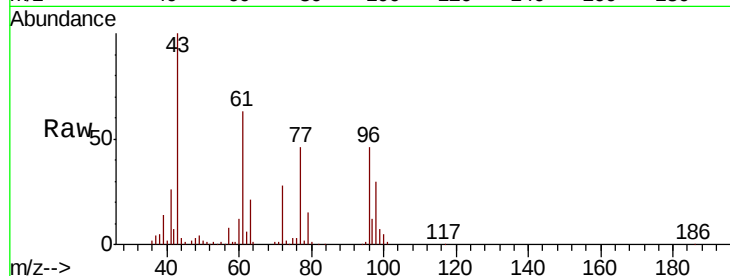




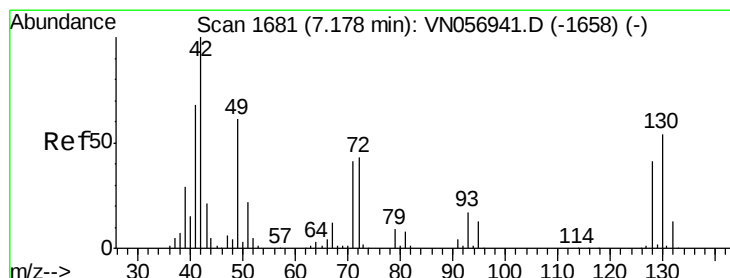
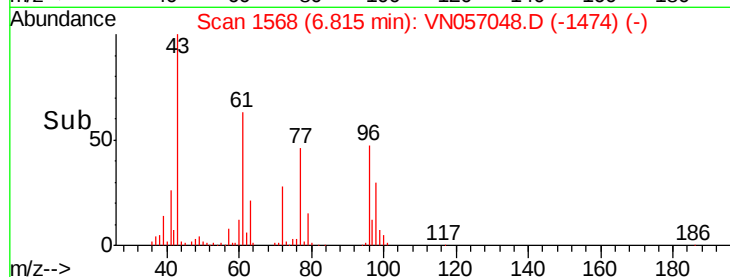
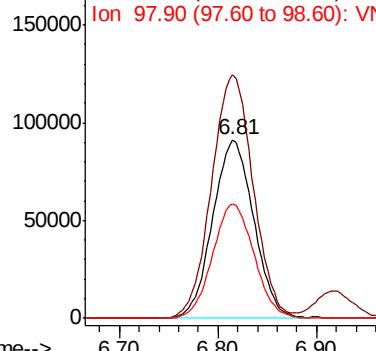
#27
 cis-1,2-Dichloroethene
 Concen: 49.837 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 263086
 Ion Ratio Lower Upper
 96 100
 61 138.0 0.0 277.2
 98 64.5 0.0 128.4

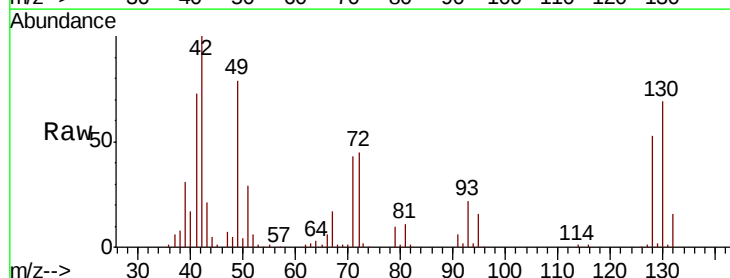


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

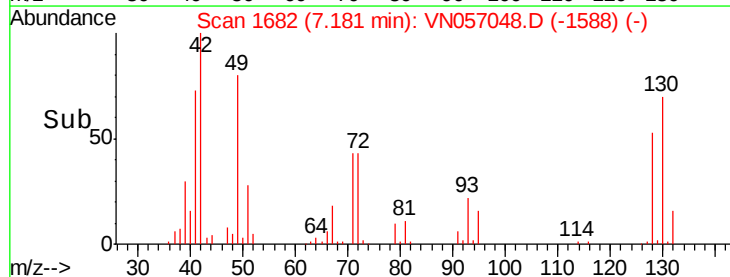
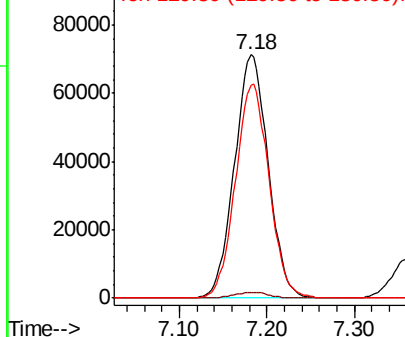


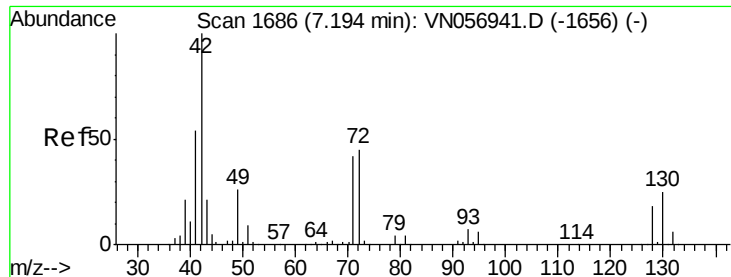
#28
 Bromochloromethane
 Concen: 48.873 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 49 Resp: 190907
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.6
 130 87.5 69.0 103.4



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

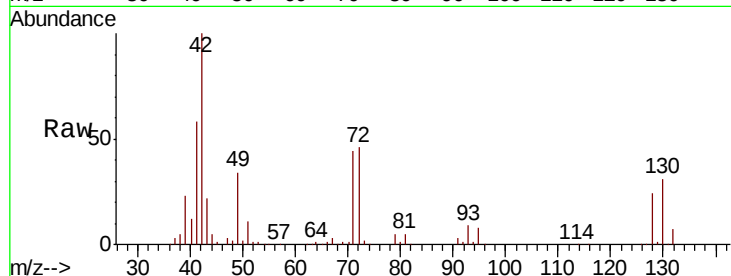




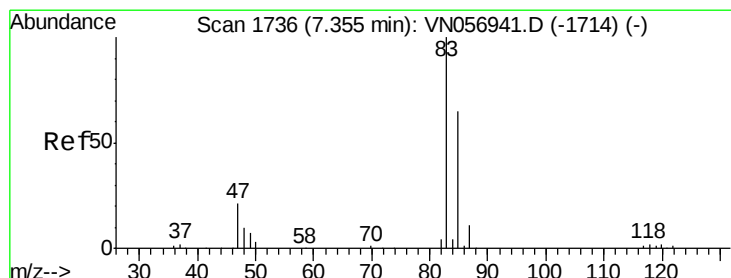
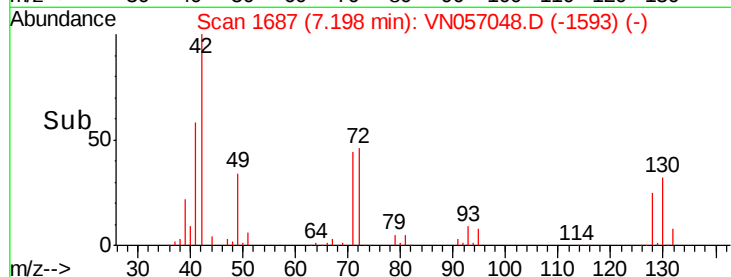
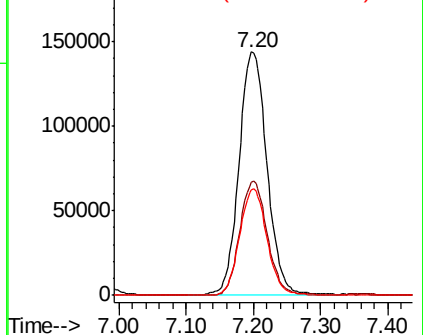
#29
Tetrahydrofuran
Concen: 253.144 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 415243
Ion Ratio Lower Upper
42 100
72 46.2 35.6 53.4
71 42.7 33.5 50.3

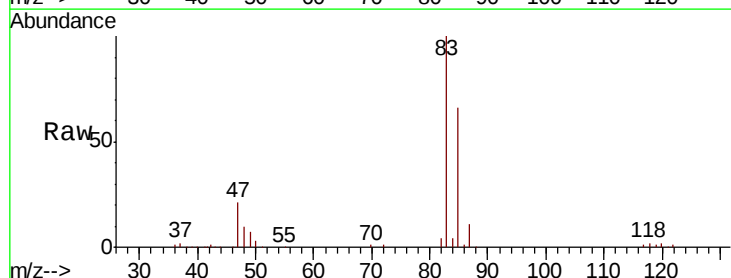


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

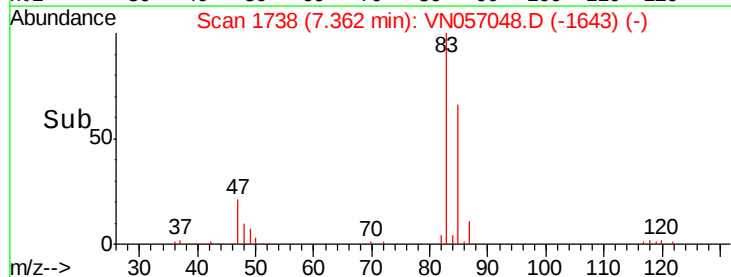
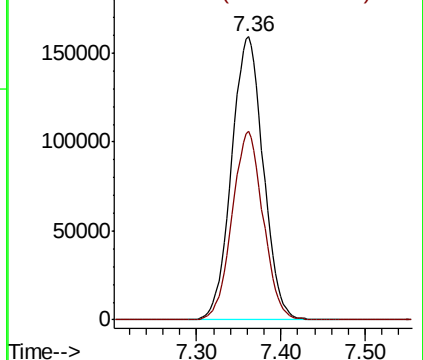


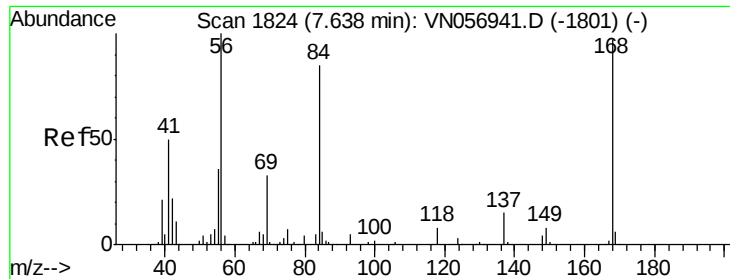
#30
Chloroform
Concen: 49.139 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 83 Resp: 417523
Ion Ratio Lower Upper
83 100
85 66.5 52.2 78.2



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

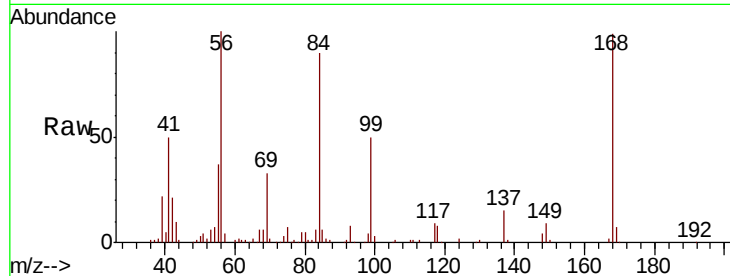




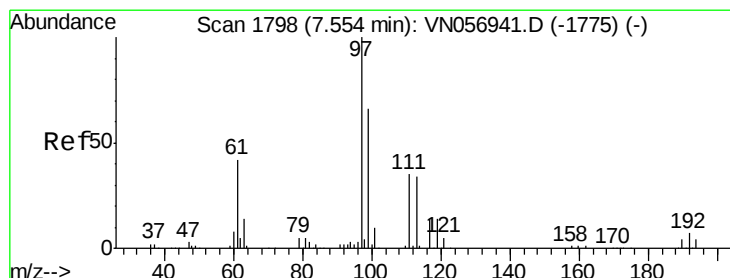
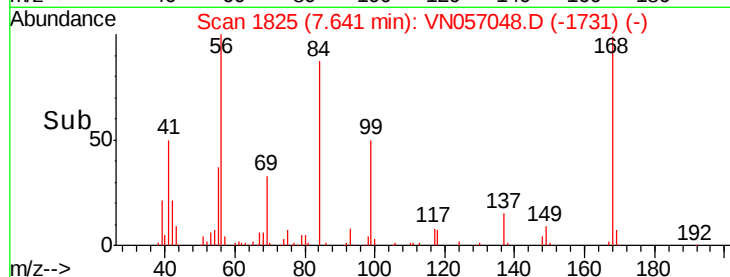
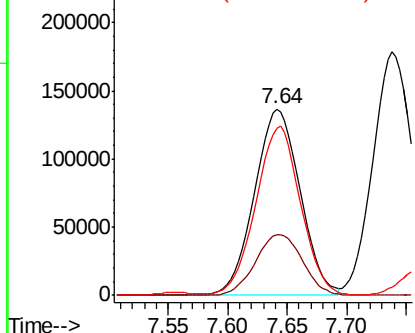
#31
Cyclohexane
Concen: 45.111 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 362771
Ion Ratio Lower Upper
56 100
69 32.9 26.2 39.2
84 88.5 68.2 102.2

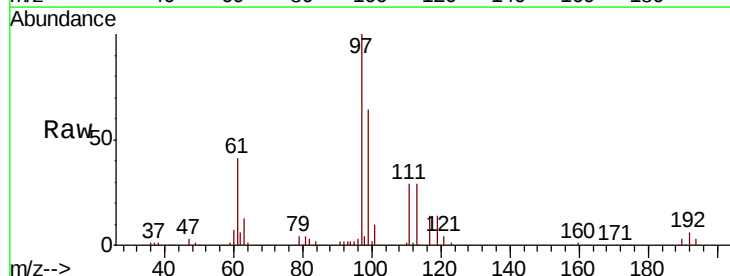


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

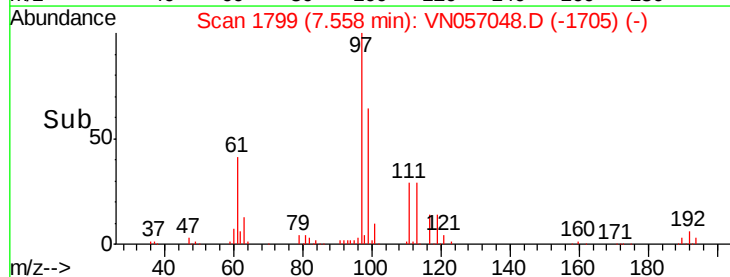
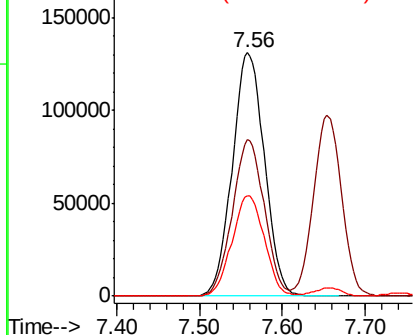


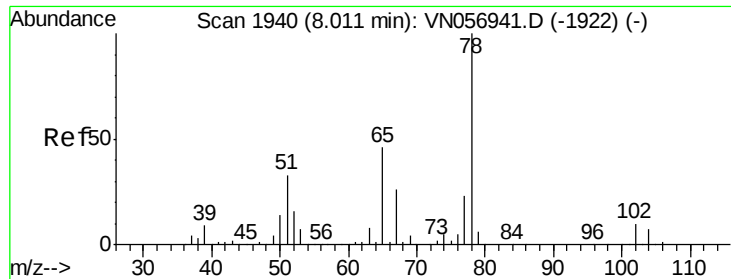
#32
1,1,1-Trichloroethane
Concen: 52.194 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 97 Resp: 353843
Ion Ratio Lower Upper
97 100
99 63.8 52.3 78.5
61 41.6 33.9 50.9



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

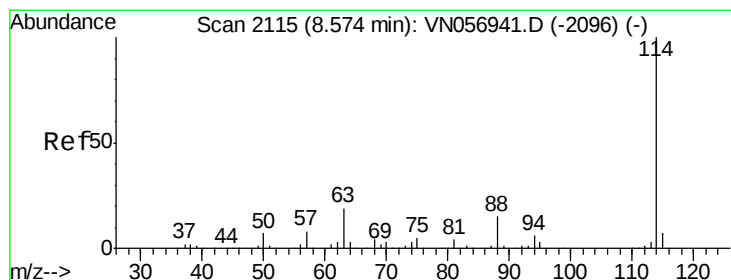
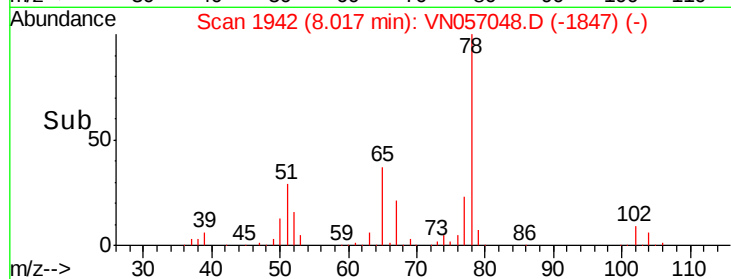
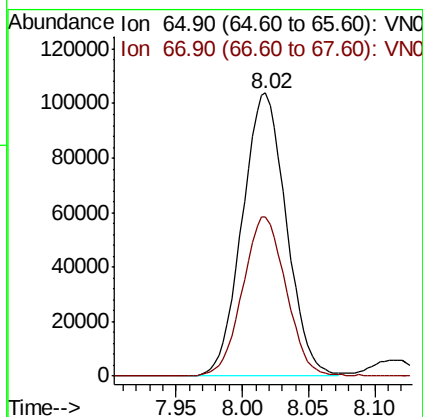
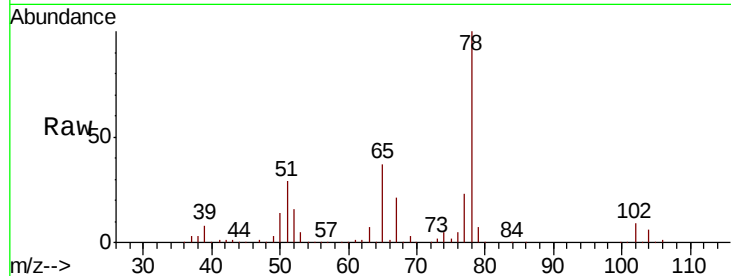




#33
 1,2-Dichloroethane-d4
 Concen: 49.065 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

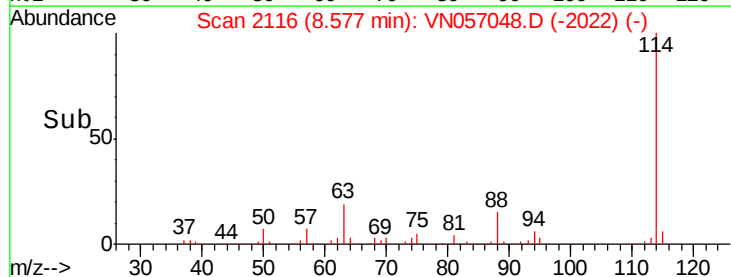
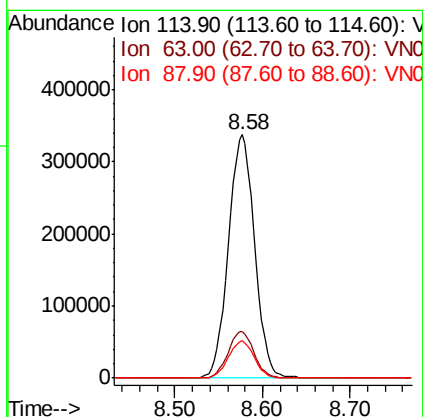
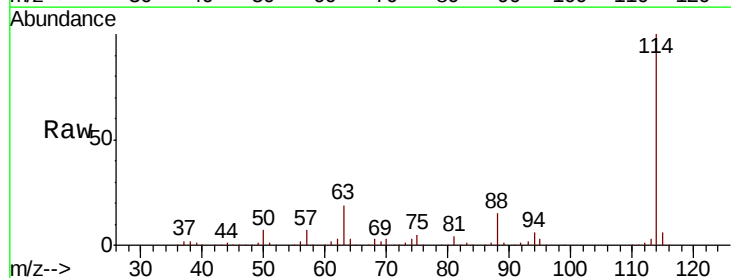
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

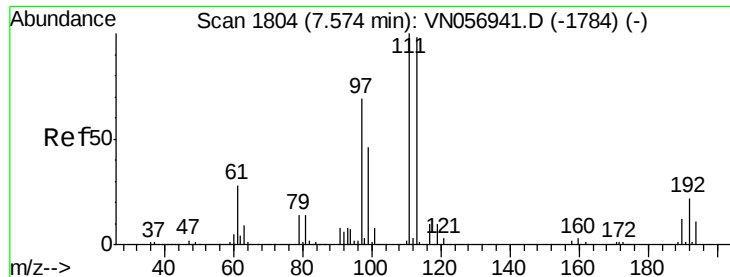
Tot Ion: 65 Resp: 240128
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 114 Resp: 700125
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.0
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.620 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

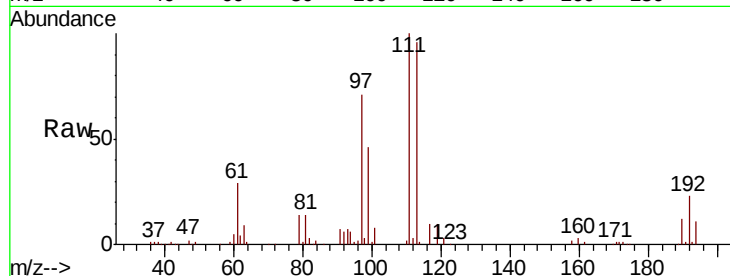
Tot Ion:113 Resp: 222396

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

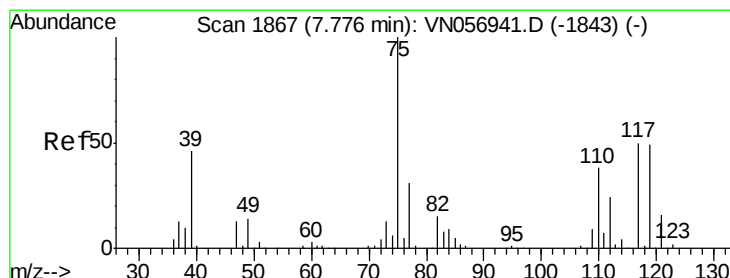
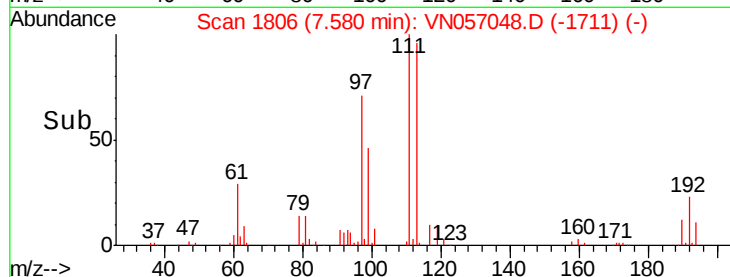
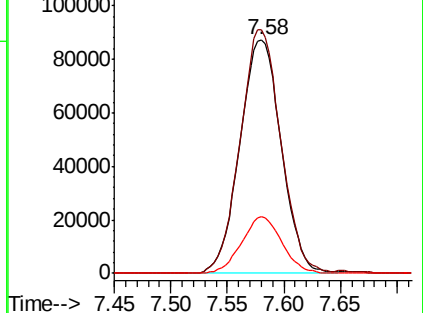
192 23.5 18.4 27.6



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: 49.243 ug/l

RT: 7.78 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

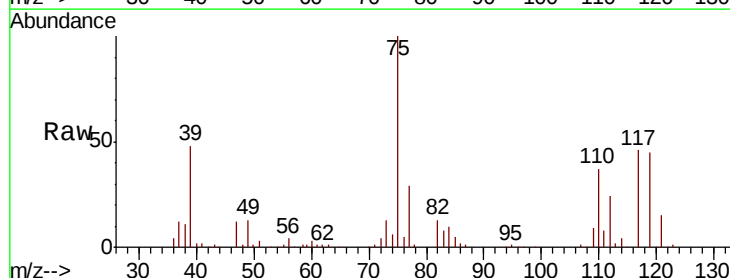
Tgt Ion: 75 Resp: 303366

Ion Ratio Lower Upper

75 100

110 36.9 18.6 55.8

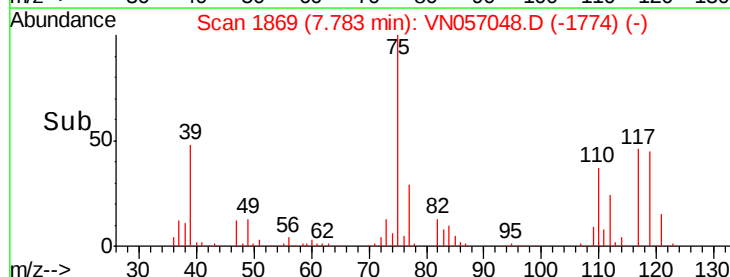
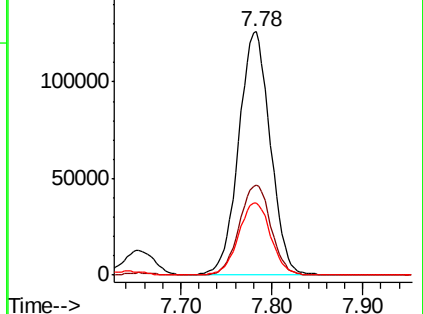
77 30.3 25.2 37.8

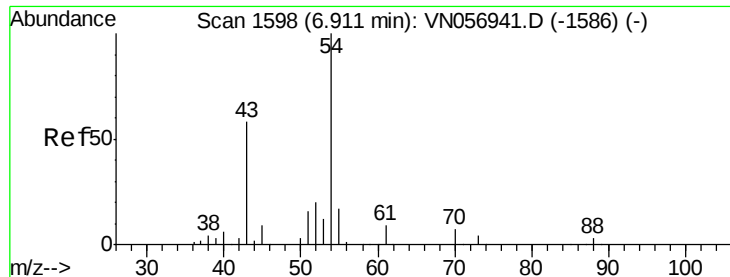


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

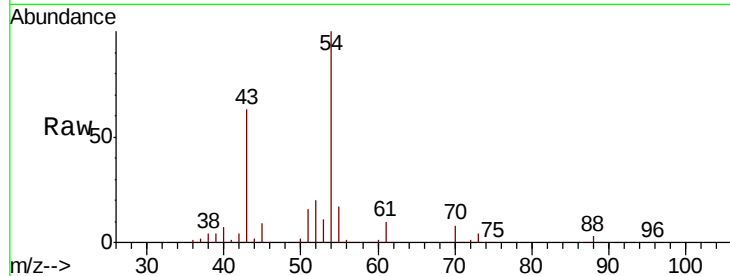




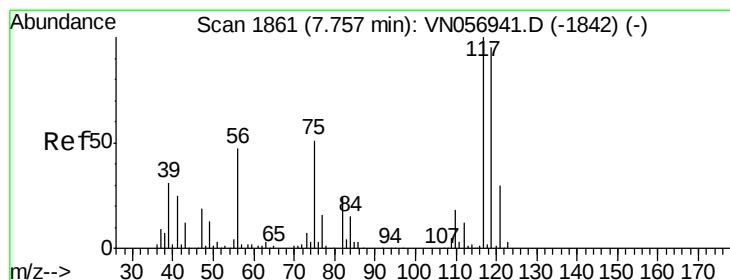
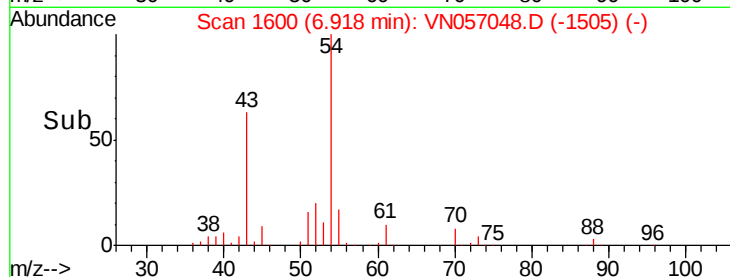
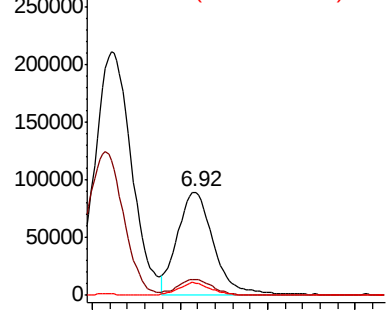
#37
Ethyl Acetate
Concen: 51.414 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 253681
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 10.9 8.5 12.7

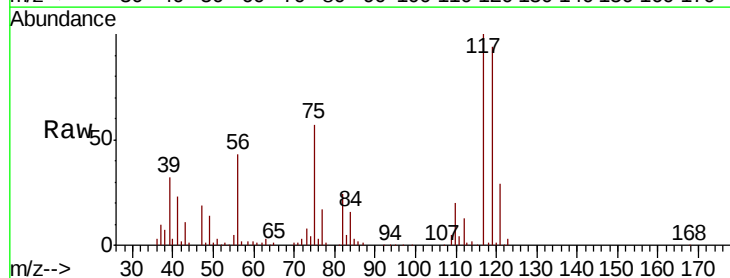


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

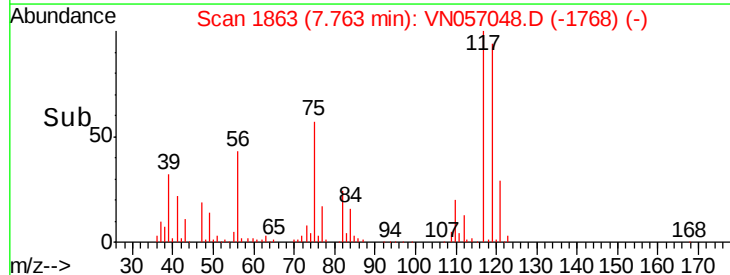
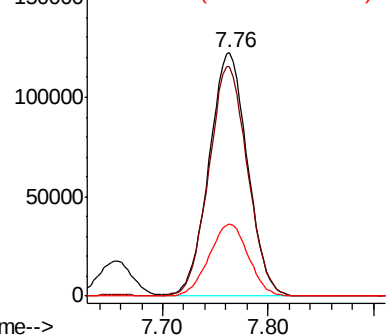


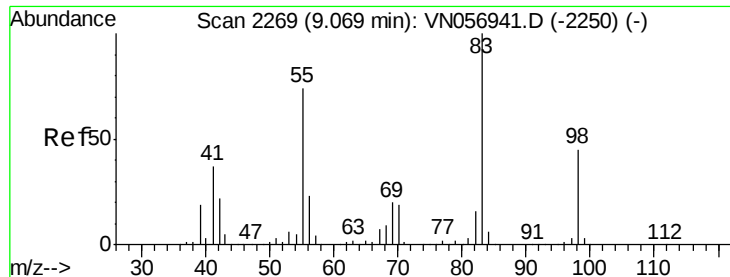
#38
Carbon Tetrachloride
Concen: 53.249 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 117 Resp: 310301
Ion Ratio Lower Upper
117 100
119 94.1 75.3 112.9
121 29.4 24.2 36.4



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

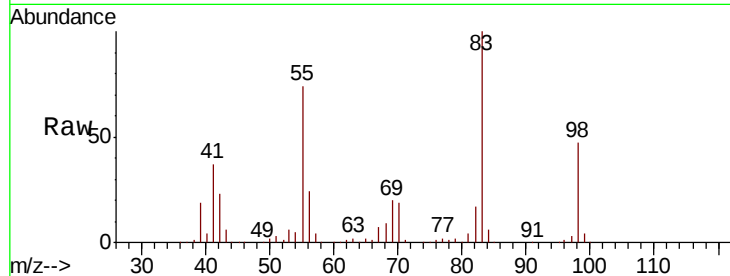




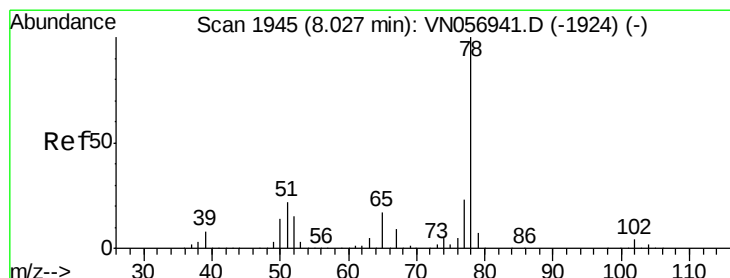
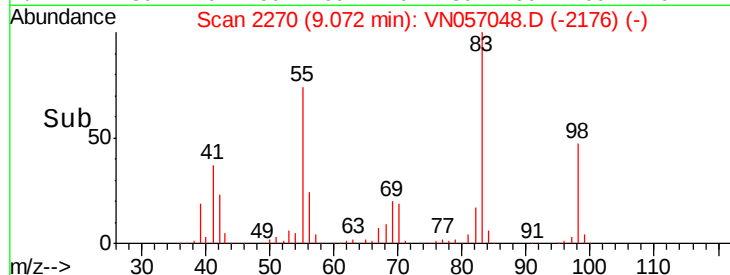
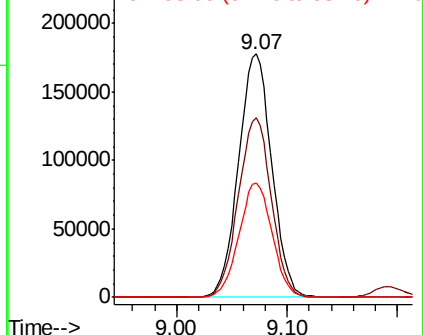
#39
Methvlcvclohexane
Concen: 47.147 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 371229
Ion Ratio Lower Upper
83 100
55 73.8 59.0 88.6
98 46.9 36.2 54.4

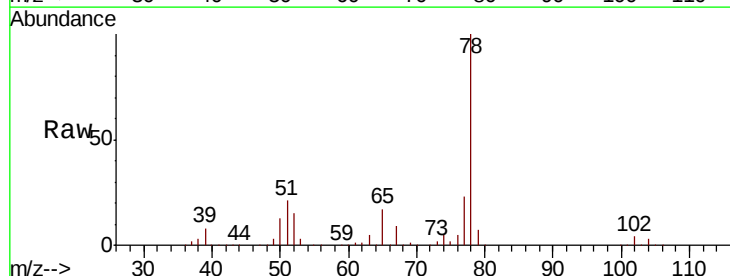


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

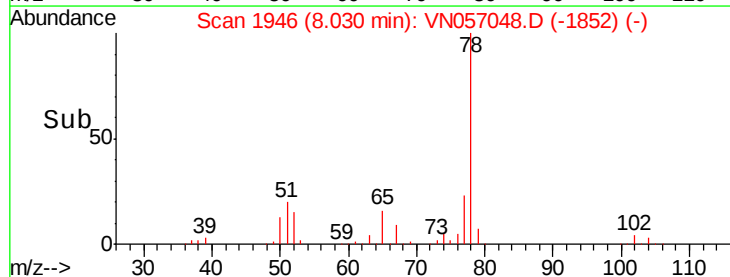
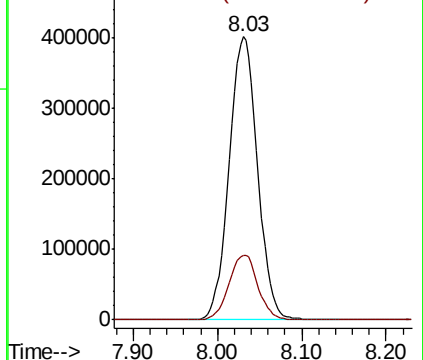


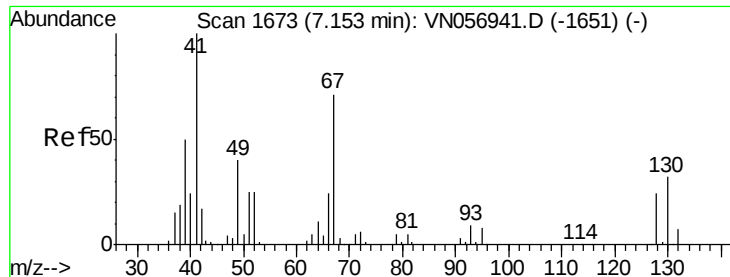
#40
Benzene
Concen: 49.617 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 78 Resp: 941474
Ion Ratio Lower Upper
78 100
77 22.9 18.3 27.5



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

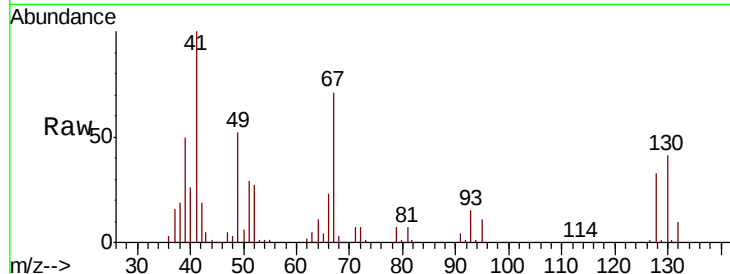




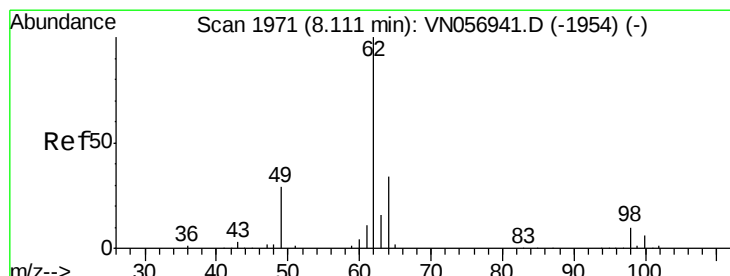
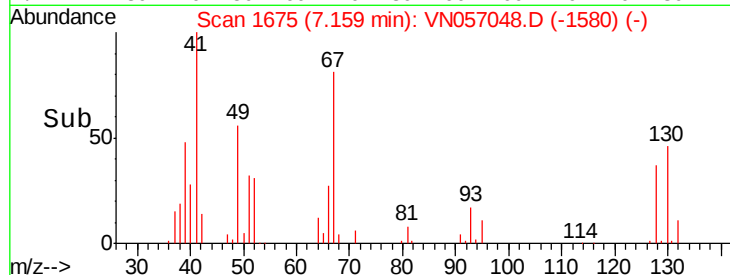
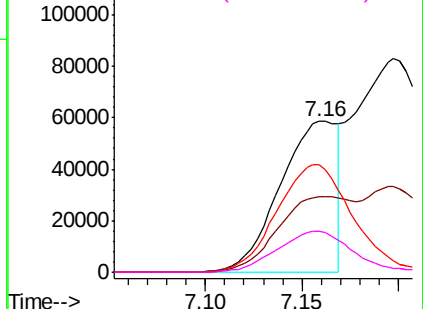
#41
Methacrylonitrile
Concen: 53.281 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	121533
Ion	Ratio	Lower	Upper
41	100		
39	65.0	48.9	73.3
67	94.1	83.4	125.0
52	35.1	30.9	46.3

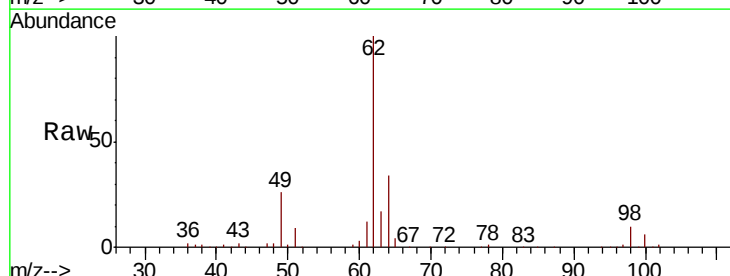


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

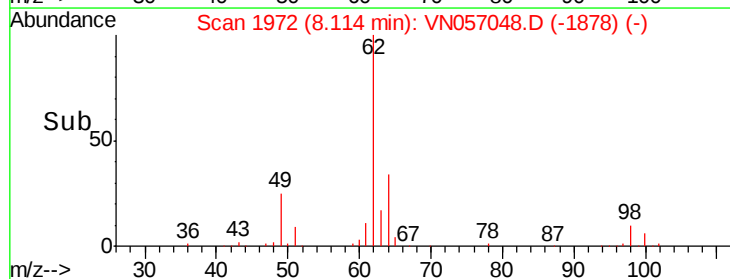
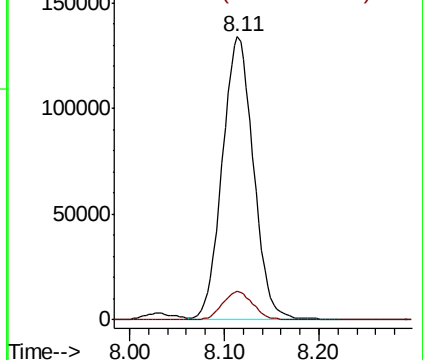


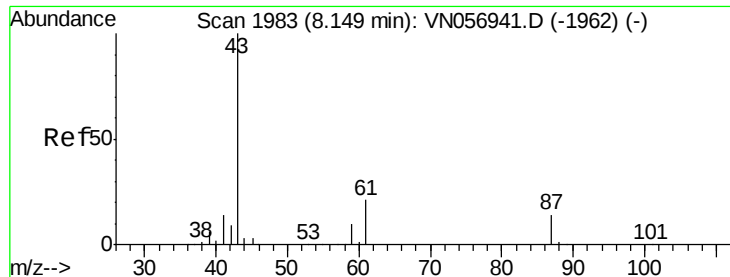
#42
1,2-Dichloroethane
Concen: 51.515 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:	62	Resp:	306353
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 50.879 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

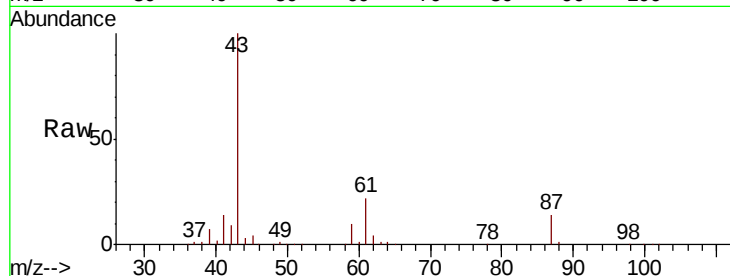
Tot Ion: 43 Resp: 414931

Ion Ratio Lower Upper

43 100

61 29.8 23.0 34.6

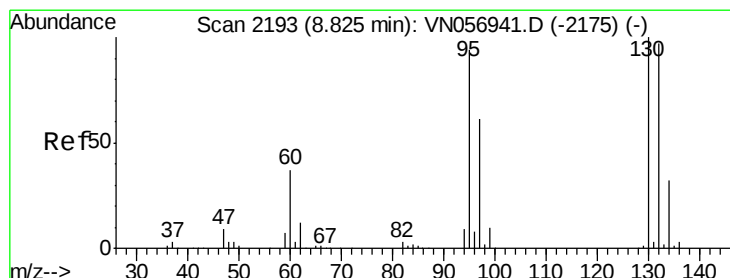
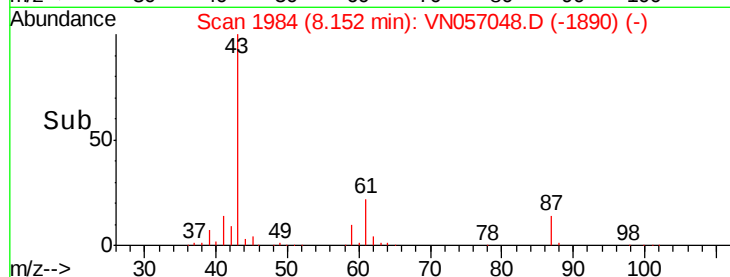
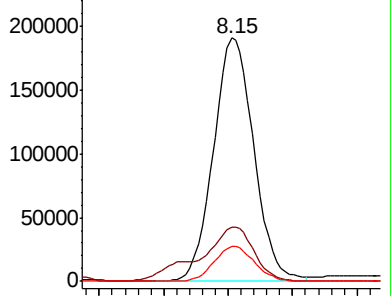
87 14.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 50.724 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057048.D

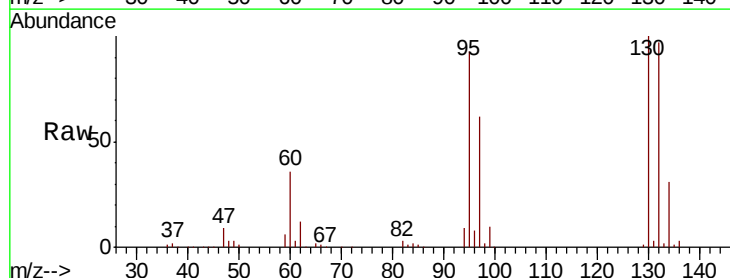
Acq: 1 Aug 2019 19:27

Tgt Ion: 130 Resp: 265164

Ion Ratio Lower Upper

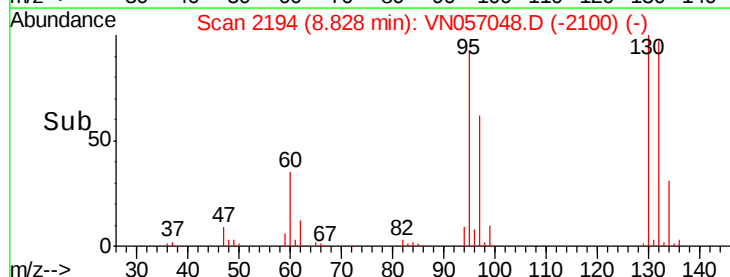
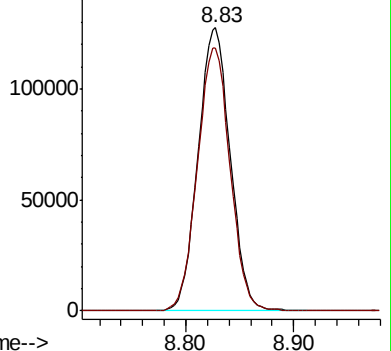
130 100

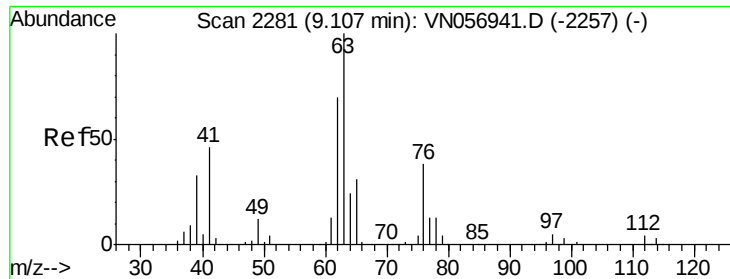
95 93.0 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

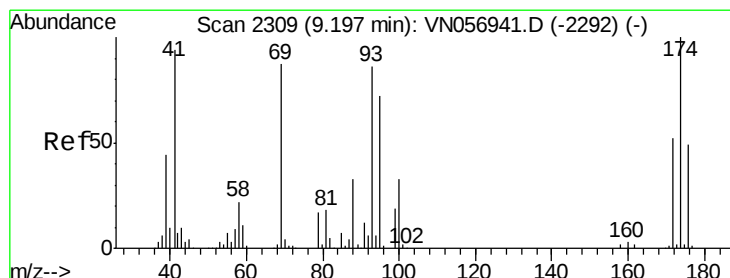
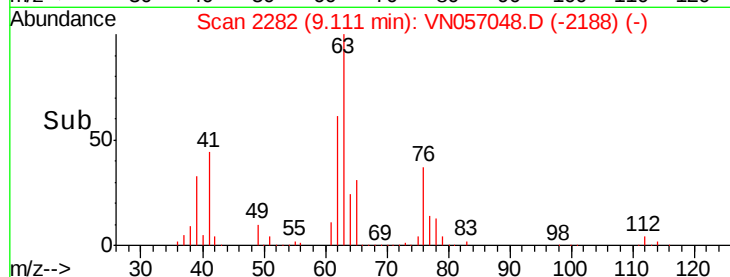
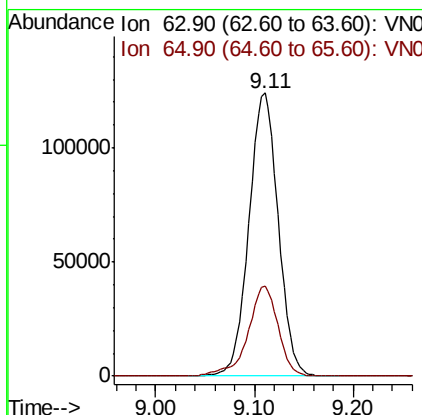
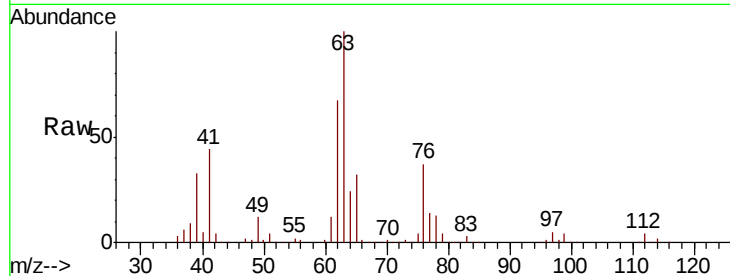




#45
 1,2-Dichloropropane
 Concen: 50.072 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

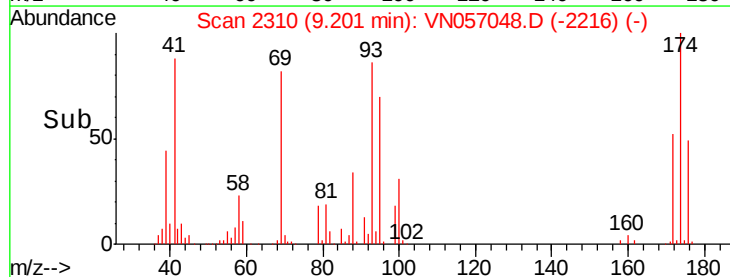
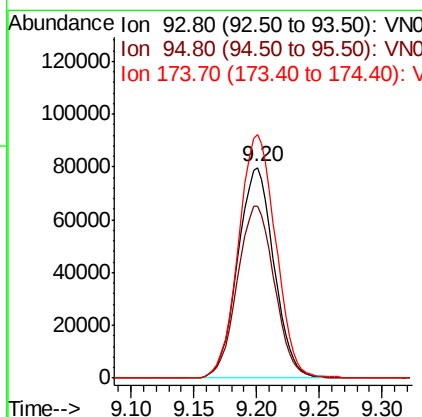
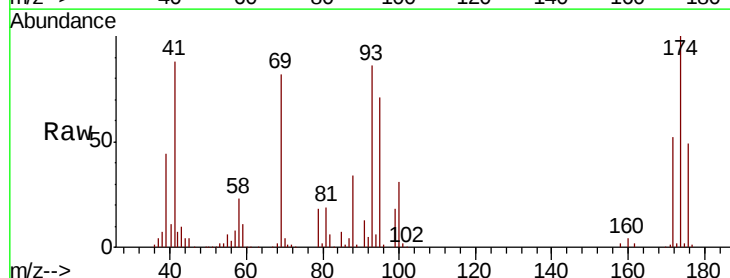
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

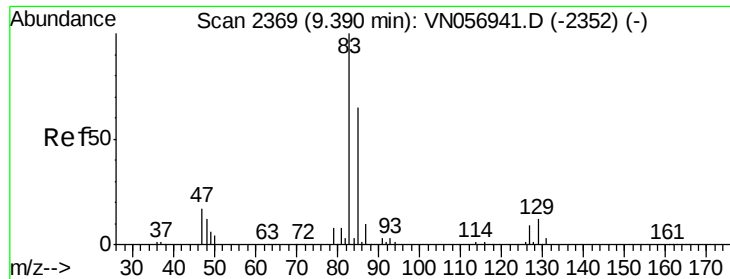
Tot Ion: 63 Resp: 254134
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 52.570 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 93 Resp: 160906
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.6
 174 118.7 92.7 139.1





#47

Bromodichloromethane

Concen: 52.477 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

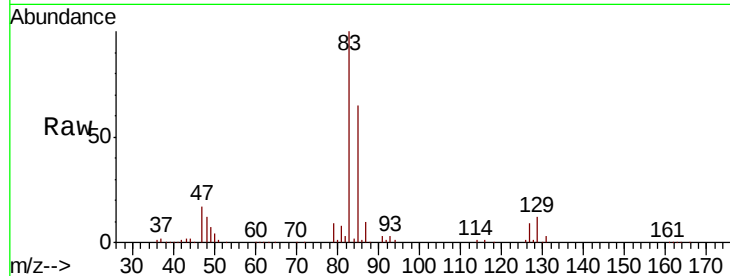
Tot Ion: 83 Resp: 315799

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4

127 9.5 7.3 10.9

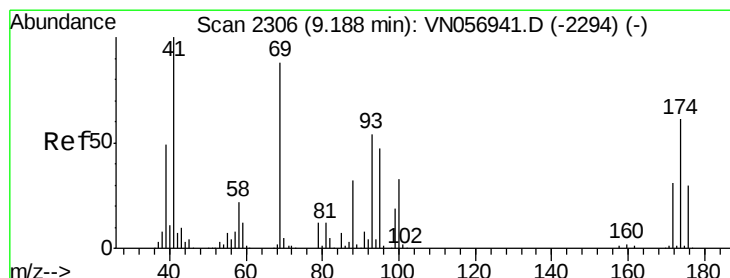
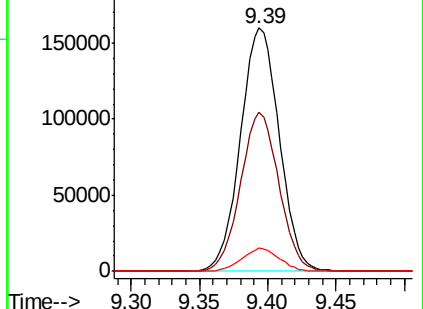
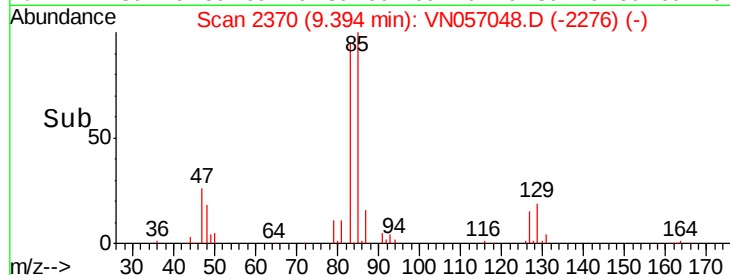


Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN056941.D (-2352) (-)

Time-->



#48

Methyl methacrylate

Concen: 52.557 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

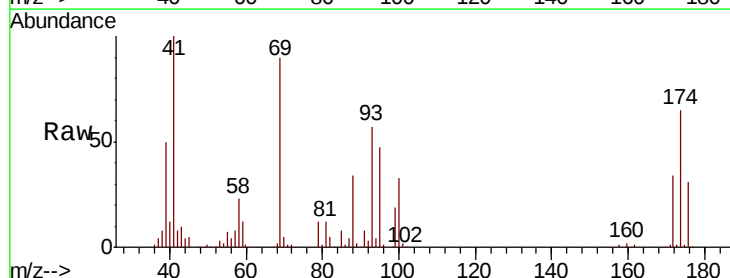
Tgt Ion: 41 Resp: 206935

Ion Ratio Lower Upper

41 100

69 93.9 73.4 110.0

39 50.9 39.9 59.9

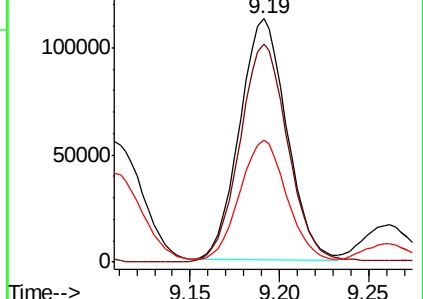
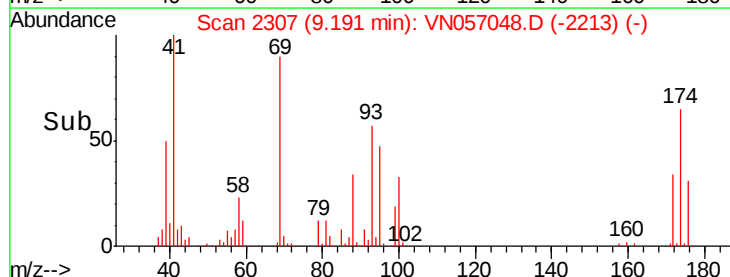


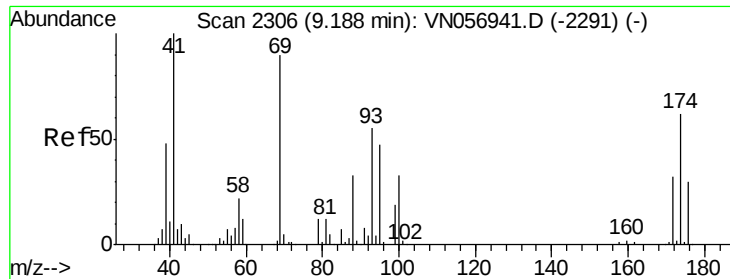
Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2294) (-)

Time-->

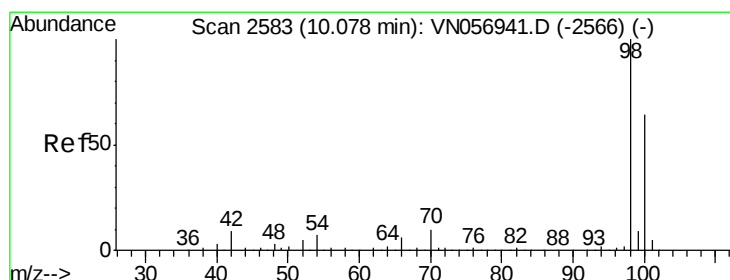
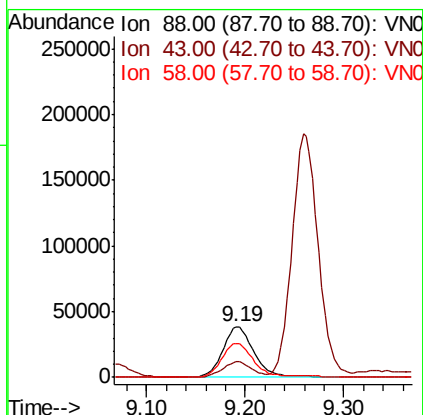
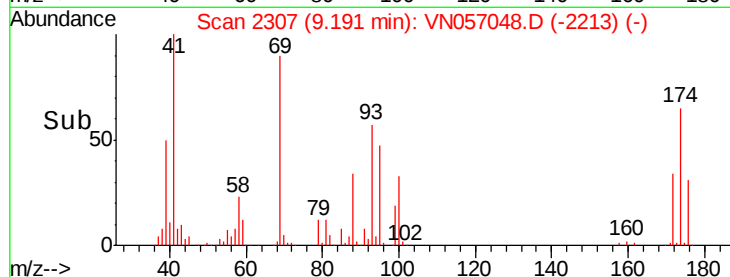
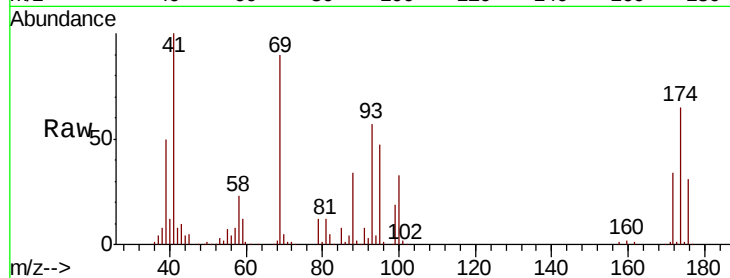




#49
1,4-Dioxane
Concen: 1061.377 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

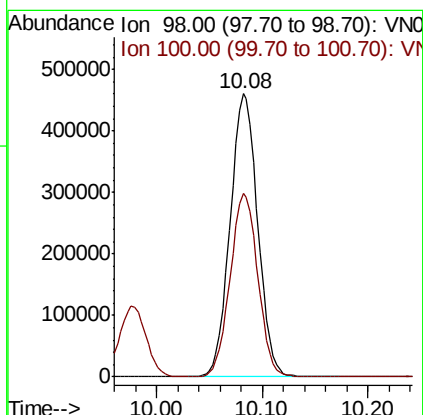
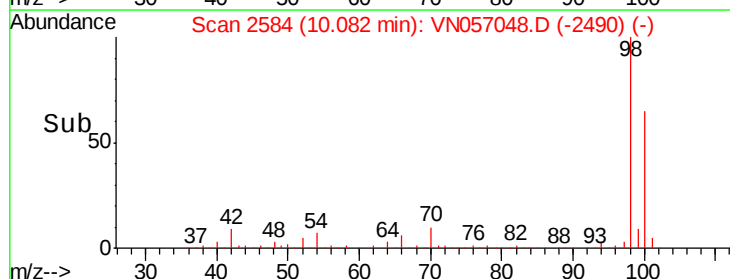
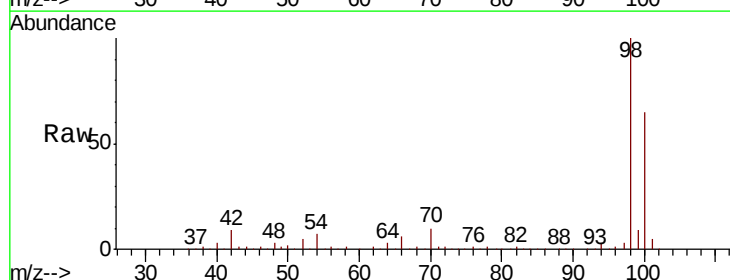
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

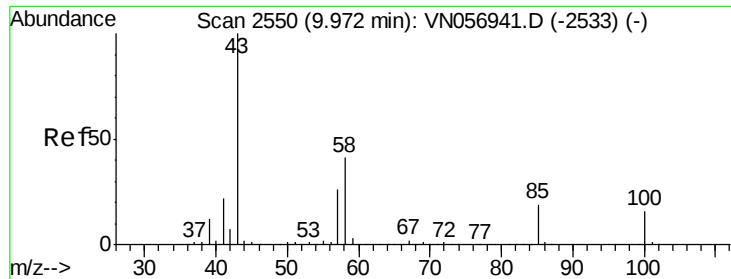
Tot Ion: 88 Resp: 86120
Ion Ratio Lower Upper
88 100
43 26.9 22.2 33.2
58 66.5 54.1 81.1



#50
Toluene-d8
Concen: 48.714 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 98 Resp: 832620
Ion Ratio Lower Upper
98 100
100 65.0 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 260.964 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

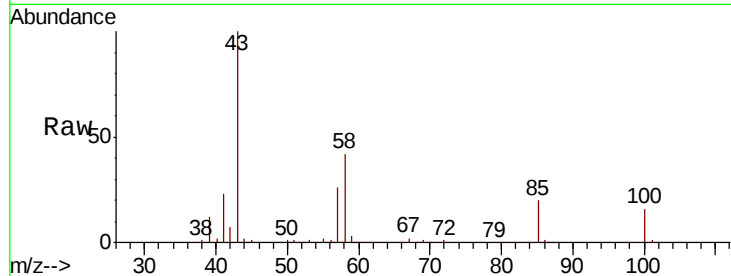
VSTDCCC050EC

Tot Ion: 43 Resp: 1264509

Ion Ratio Lower Upper

43 100

58 41.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

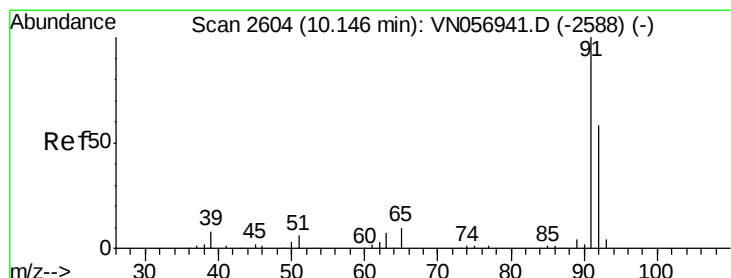
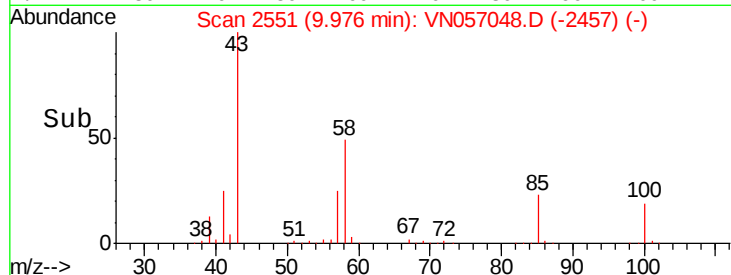
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.733 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057048.D

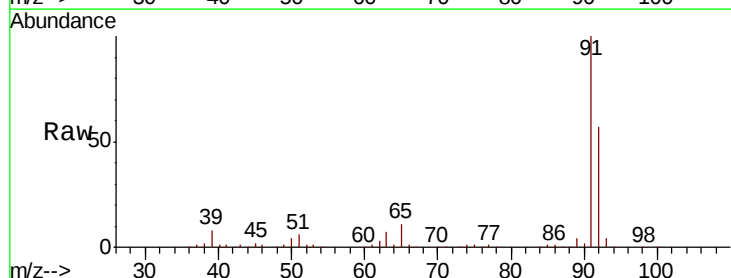
Acq: 1 Aug 2019 19:27

Tgt Ion: 92 Resp: 589773

Ion Ratio Lower Upper

92 100

91 173.9 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

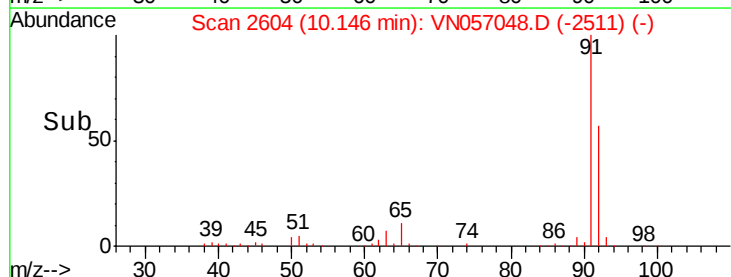
600000

400000

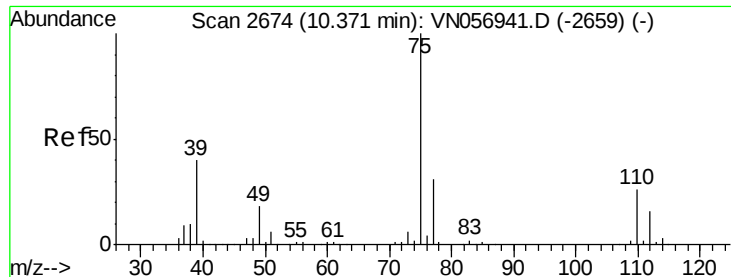
200000

0

Time-->



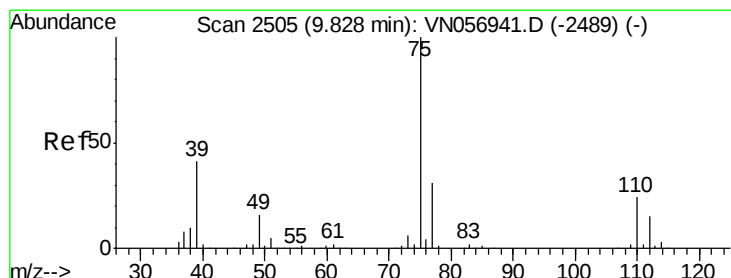
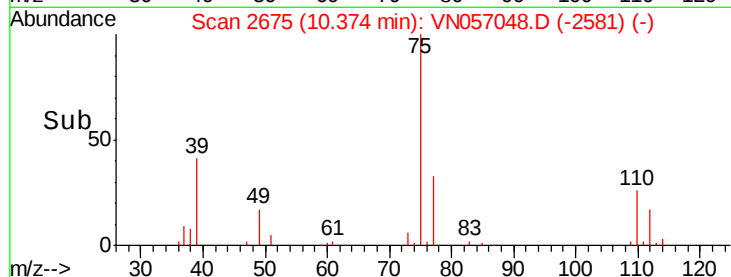
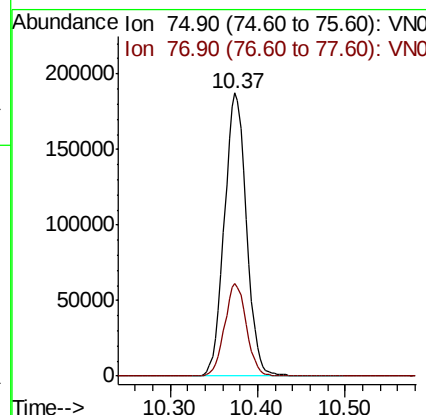
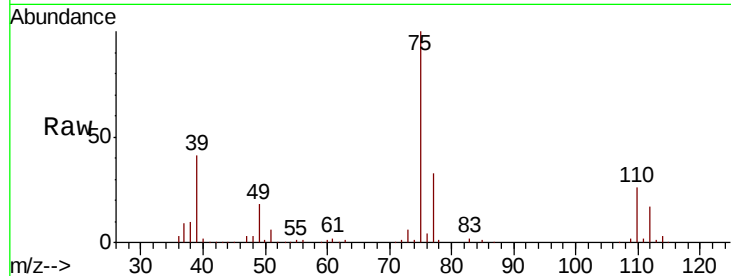
Time-->



#53
t-1,3-Dichloropropene
Concen: 52.627 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

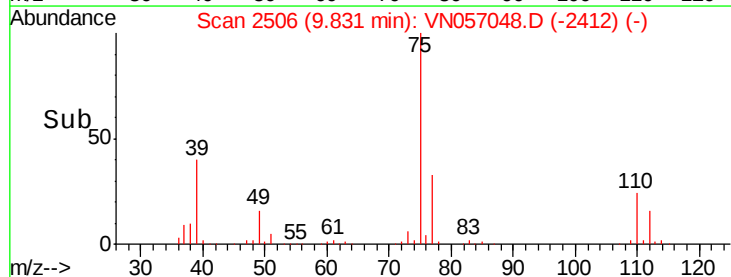
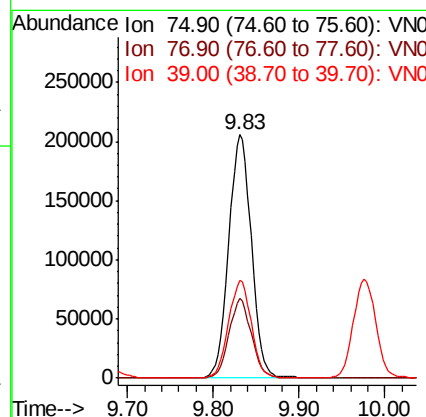
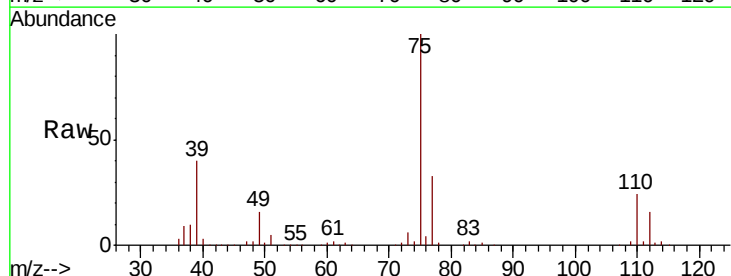
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

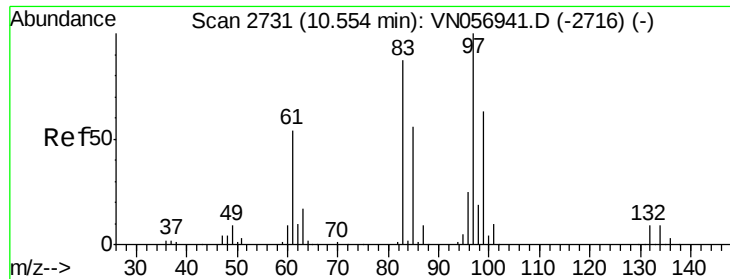
Tot Ion: 75 Resp: 328645
Ion Ratio Lower Upper
75 100
77 32.7 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 51.985 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 75 Resp: 377462
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6
39 39.8 32.6 49.0

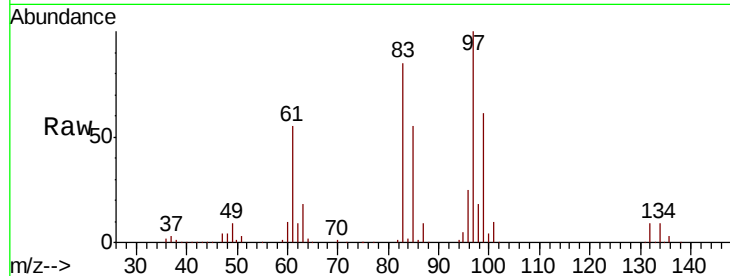




#55
 1,1,2-Trichloroethane
 Concen: 51.648 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	236131
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.4	104.0
85	55.1	44.7	67.1
99	60.8	50.1	75.1



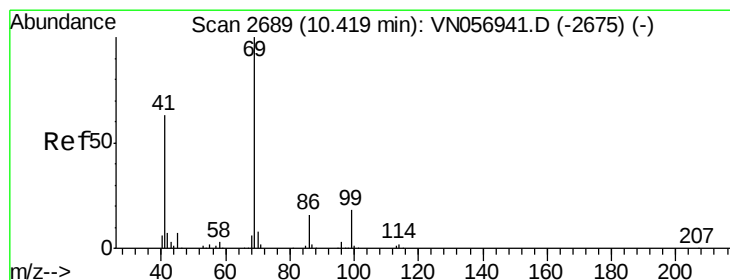
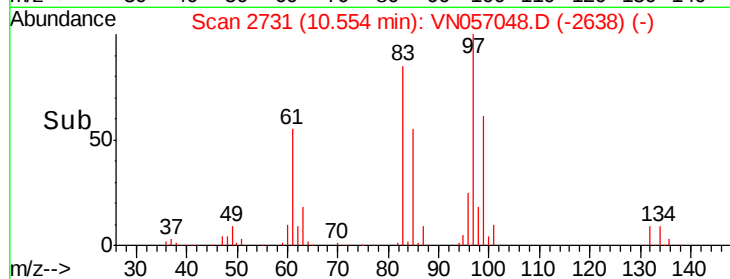
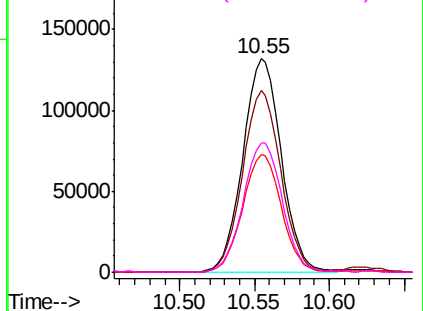
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

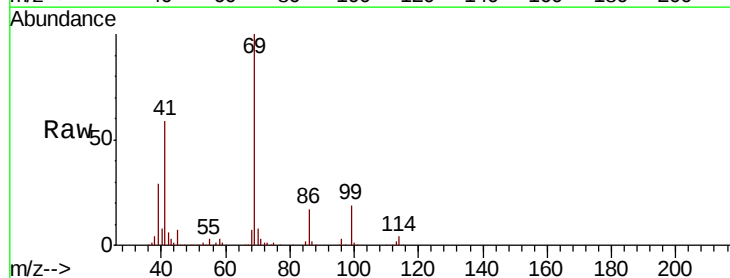
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 49.422 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion:	69	Resp:	341084
Ion	Ratio	Lower	Upper
69	100		
41	59.6	49.2	73.8
39	28.4	23.1	34.7

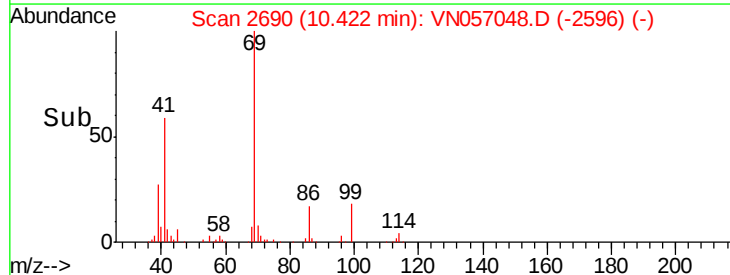
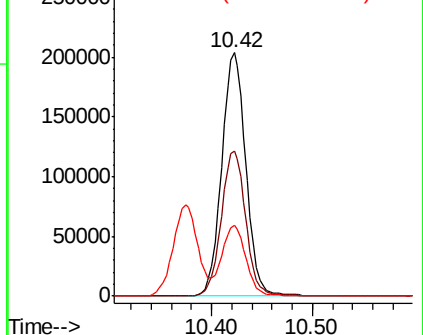


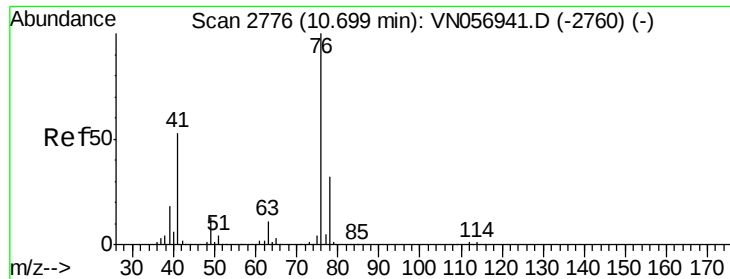
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

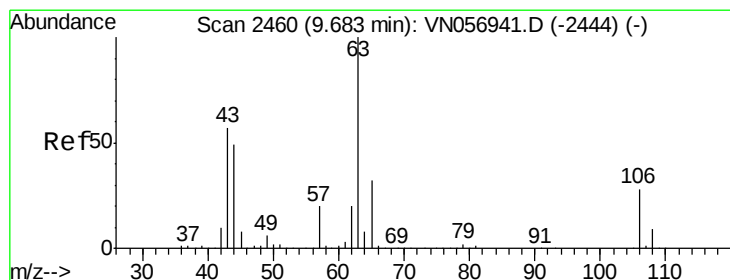
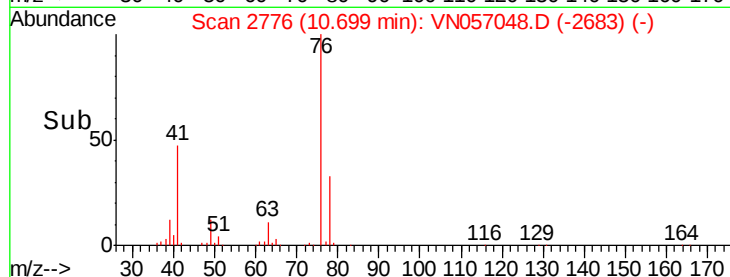
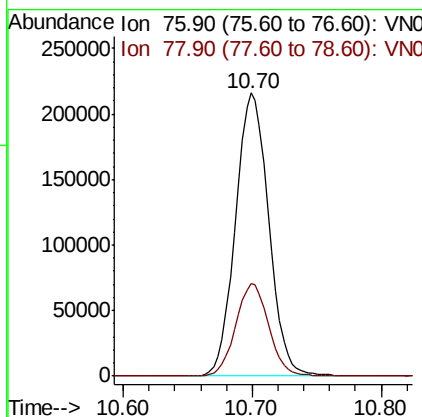
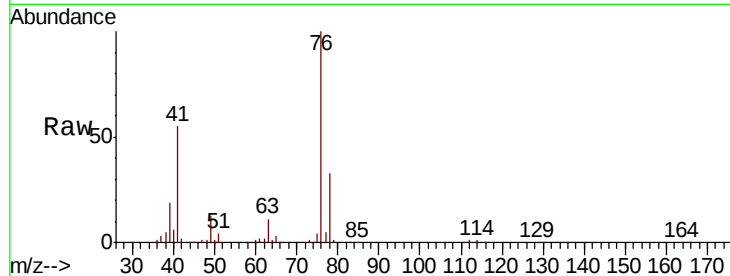




#57
 1,3-Dichloropropane
 Concen: 51.143 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

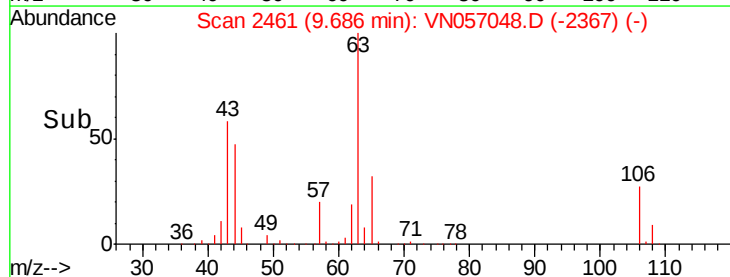
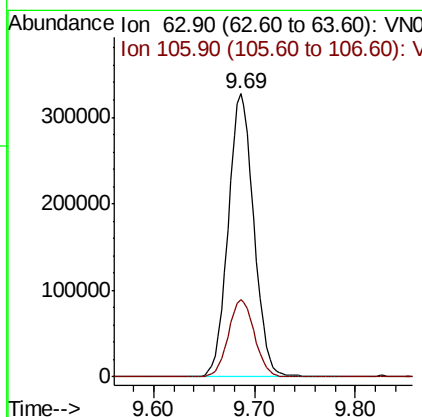
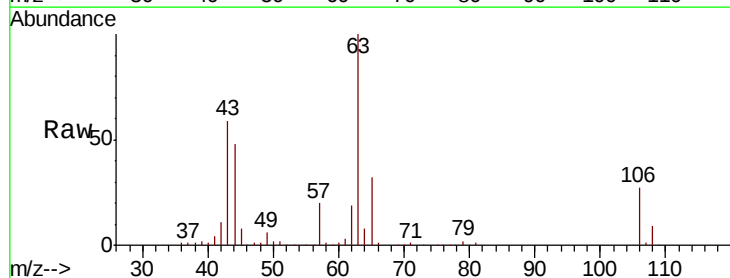
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

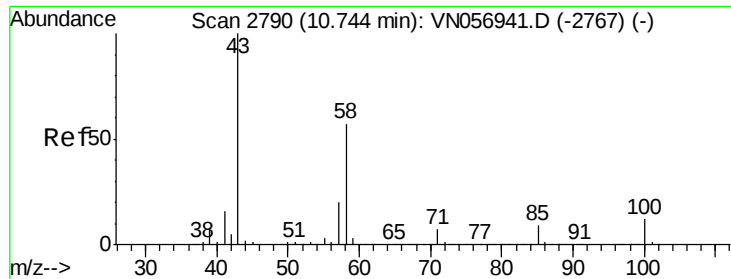
Tot Ion: 76 Resp: 387727
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.524 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 63 Resp: 579513
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.0 33.0

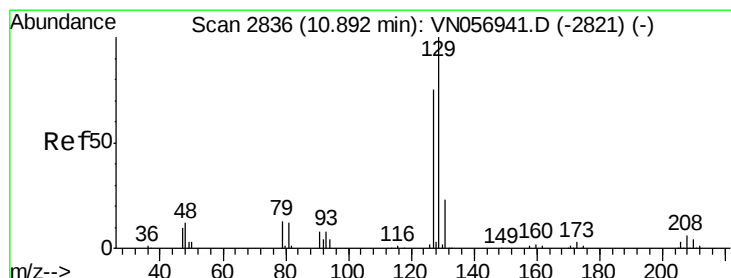
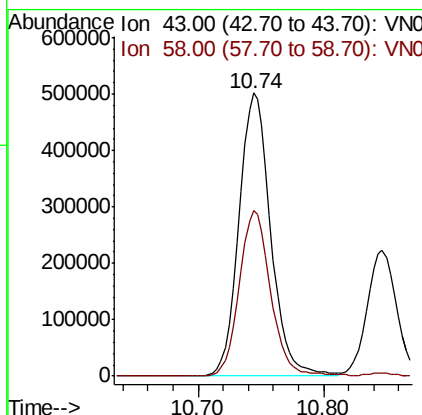
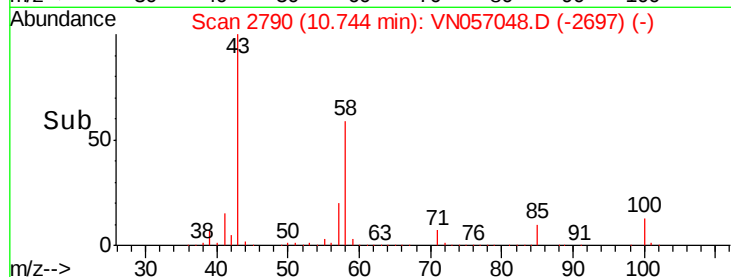
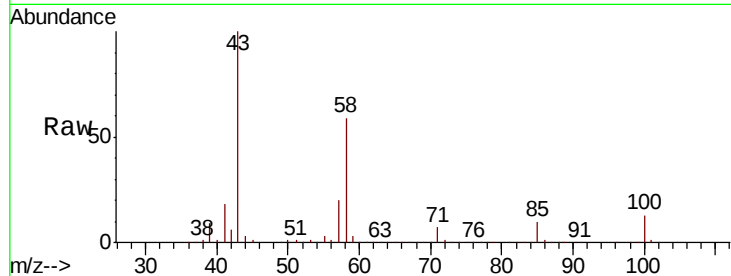




#59
2-Hexanone
Concen: 236.087 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

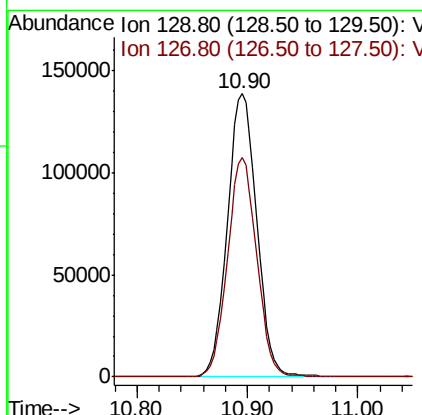
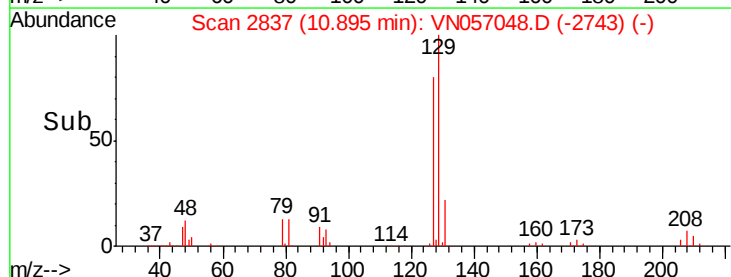
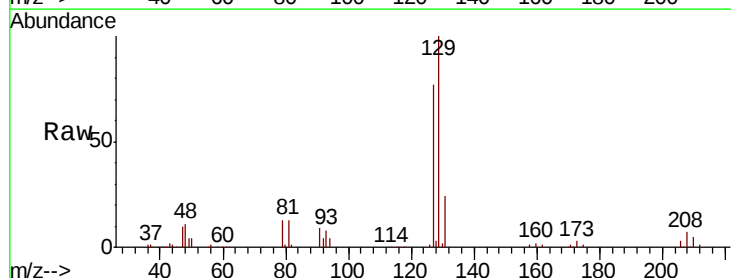
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

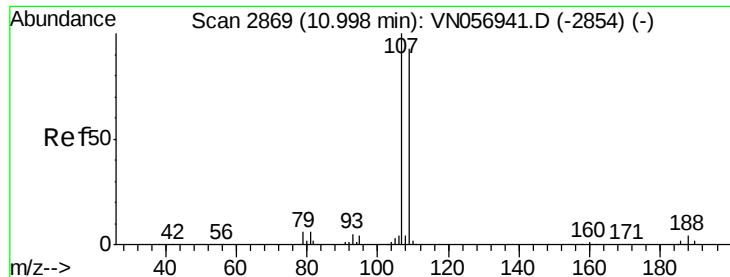
Tot Ion: 43 Resp: 880442
Ion Ratio Lower Upper
43 100
58 58.1 28.5 85.5



#60
Dibromochloromethane
Concen: 54.847 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 129 Resp: 256903
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9

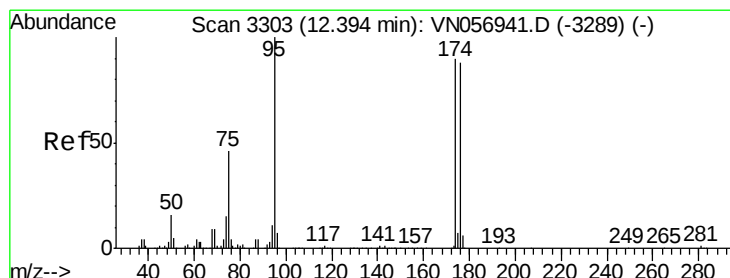
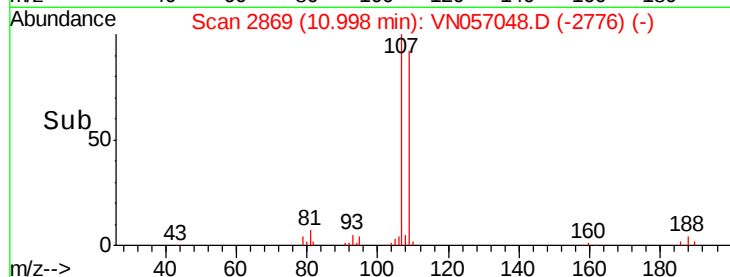
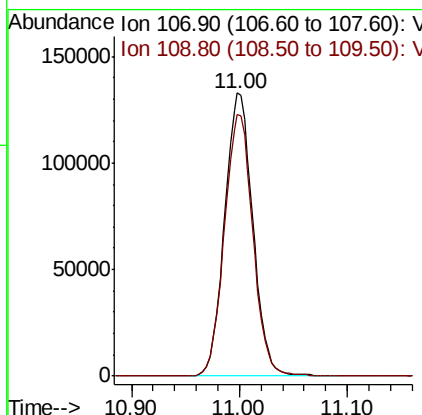
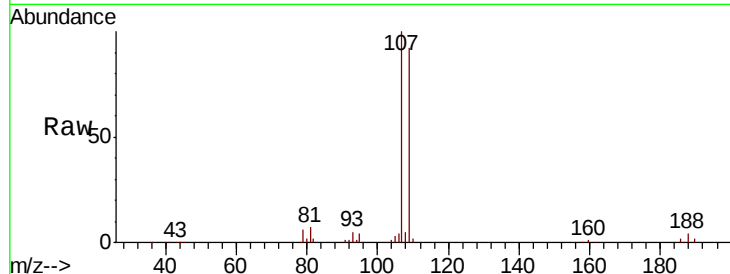




#61
 1,2-Dibromoethane
 Concen: 54.141 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

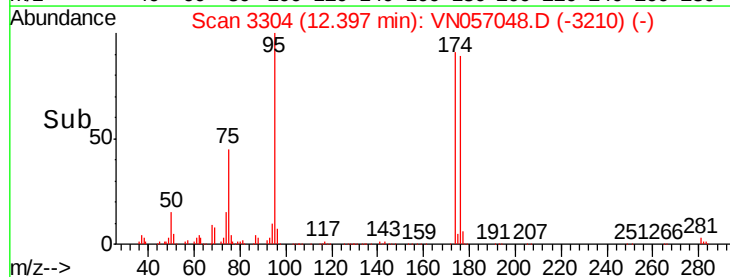
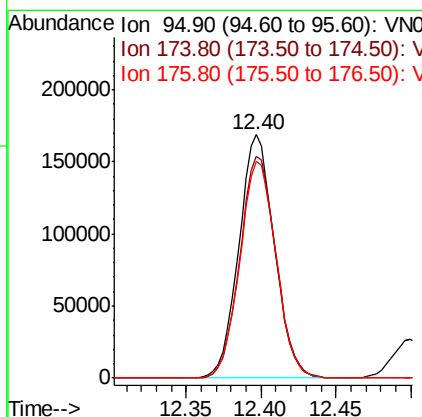
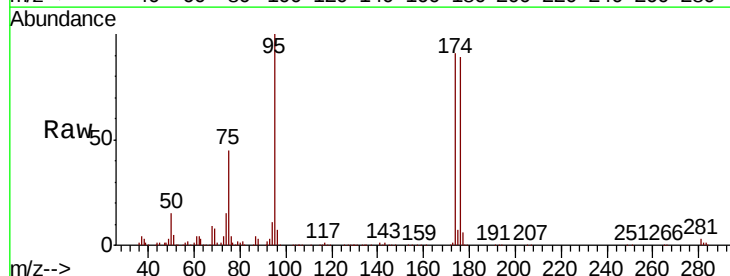
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

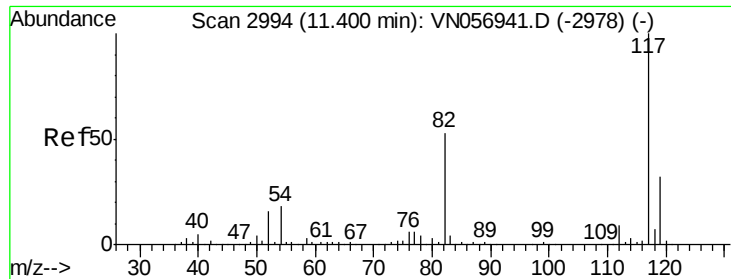
Tot Ion: 107 Resp: 241560
 Ion Ratio Lower Upper
 107 100
 109 93.6 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 50.031 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 95 Resp: 278383
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 182.2
 176 91.1 0.0 179.4

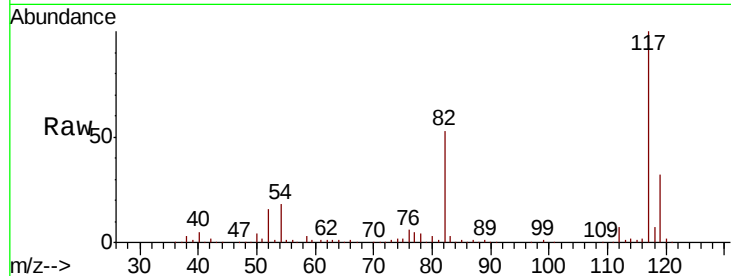




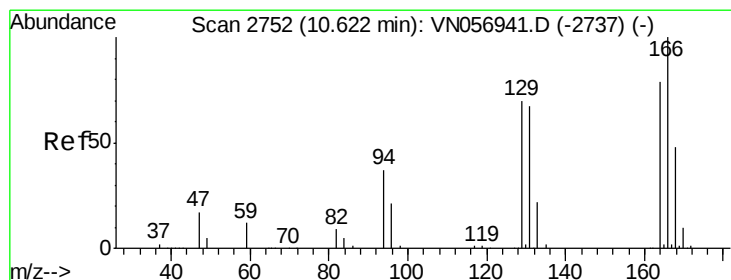
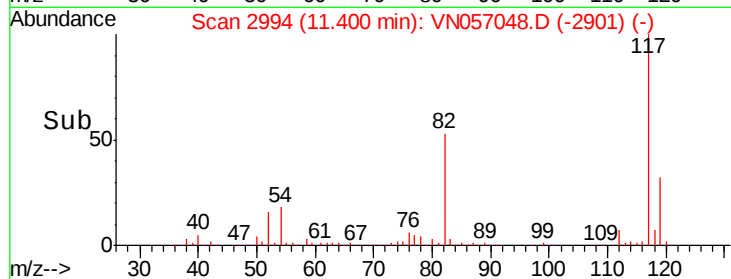
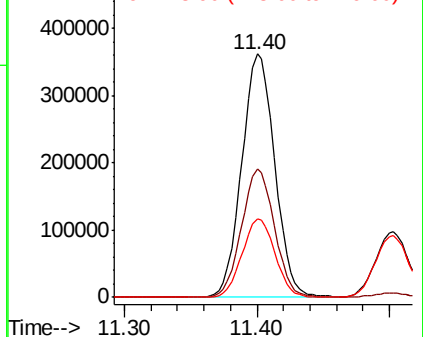
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 626607
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 32.1 25.8 38.6

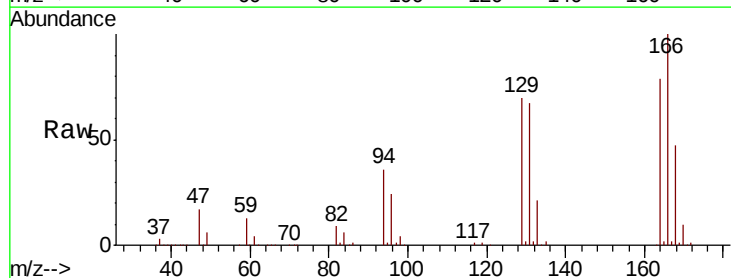


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

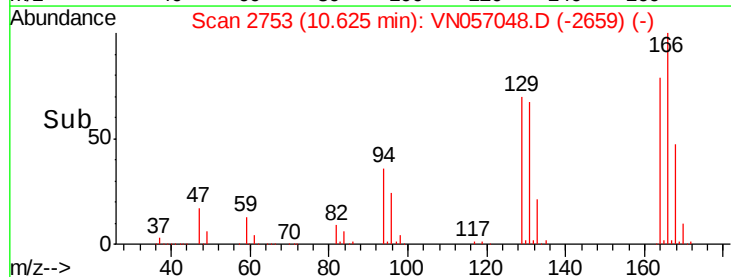
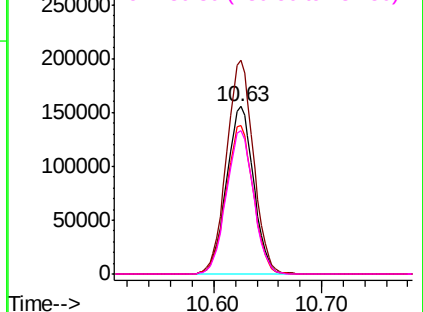


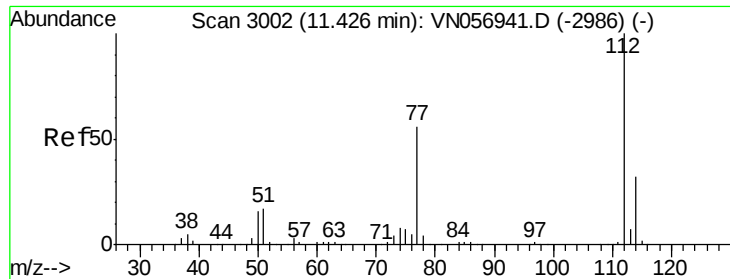
#64
Tetrachloroethene
Concen: 50.324 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:164 Resp: 271736
Ion Ratio Lower Upper
164 100
166 127.4 101.1 151.7
129 88.9 70.9 106.3
131 85.4 67.7 101.5



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

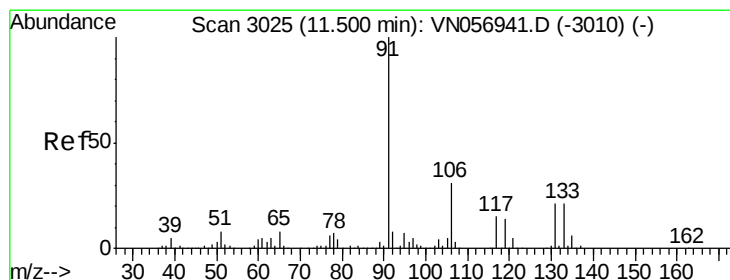
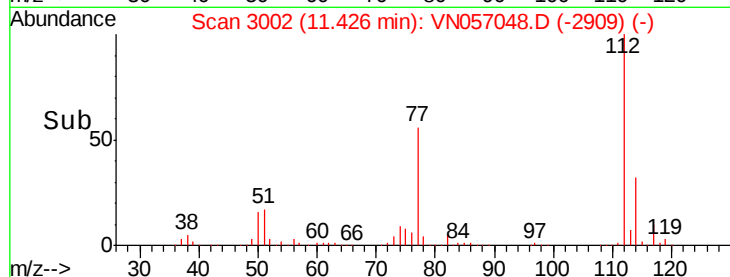
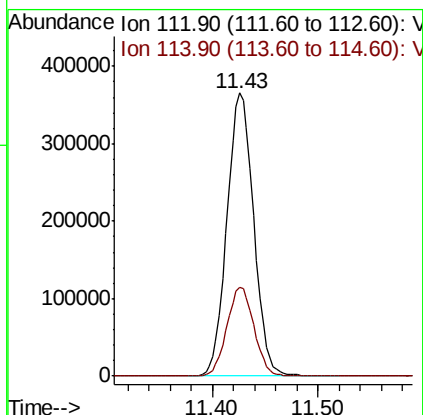
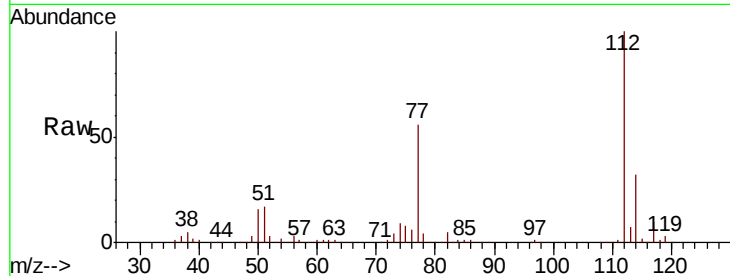




#65
Chlorobenzene
Concen: 50.055 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

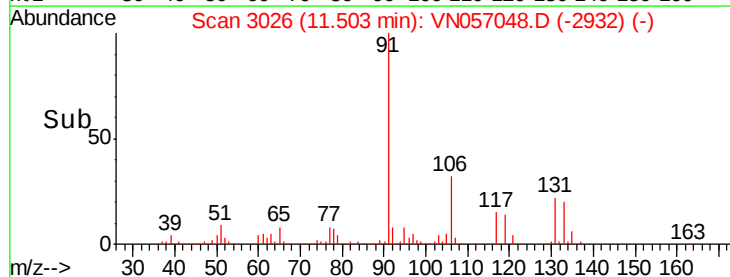
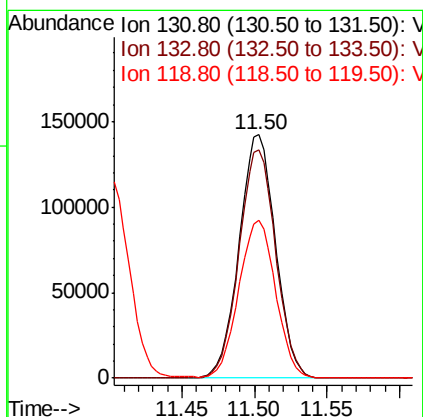
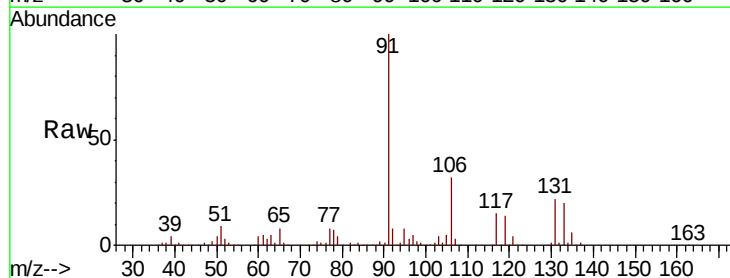
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

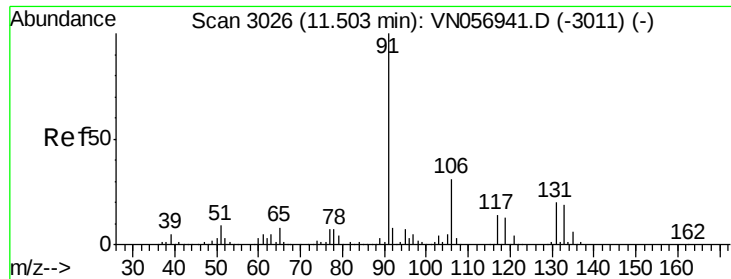
Tot Ion:112 Resp: 639259
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.615 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:131 Resp: 248104
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 65.7 33.2 99.6

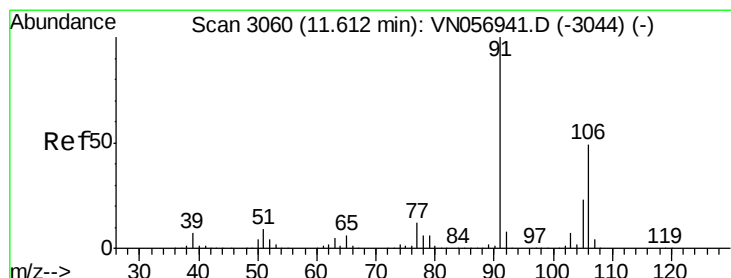
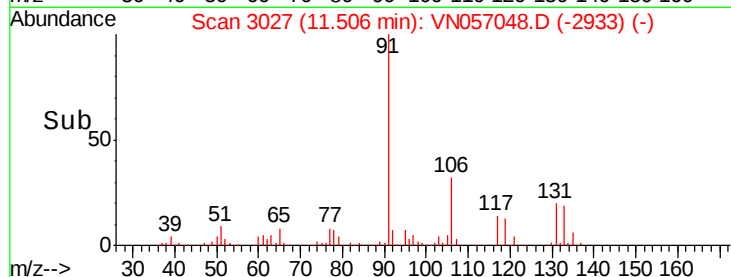
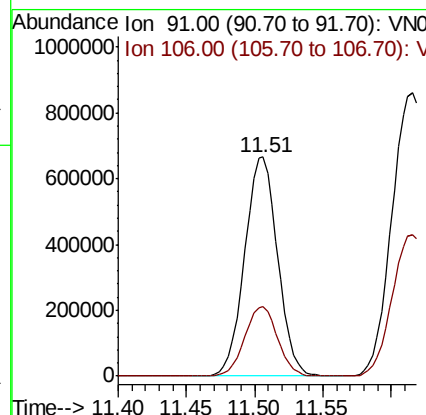
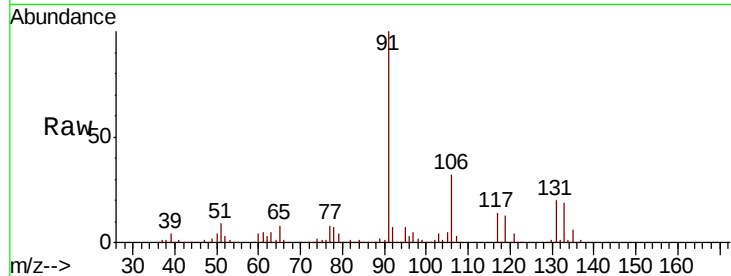




#67
Ethyl Benzene
Concen: 50.503 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

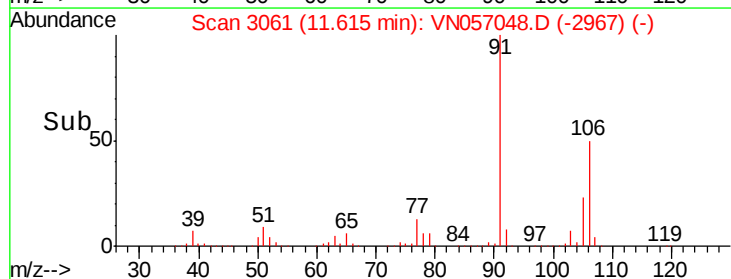
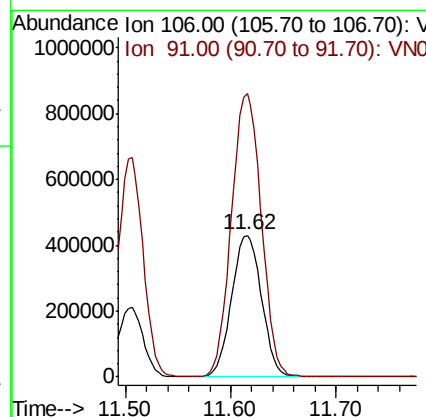
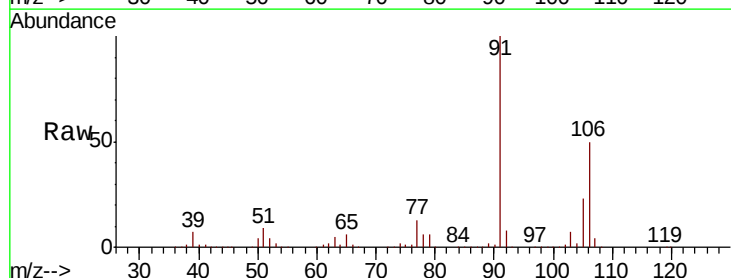
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

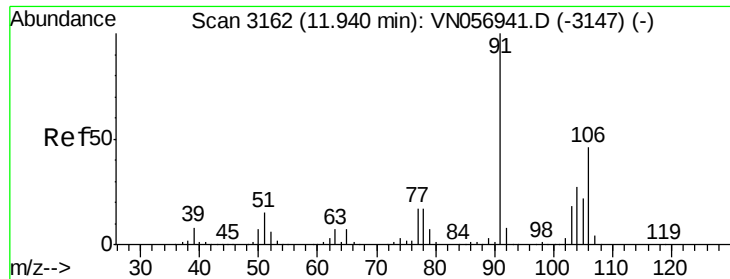
Tot Ion: 91 Resp: 1114716
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 103.536 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 106 Resp: 843403
Ion Ratio Lower Upper
106 100
91 200.0 160.0 240.0

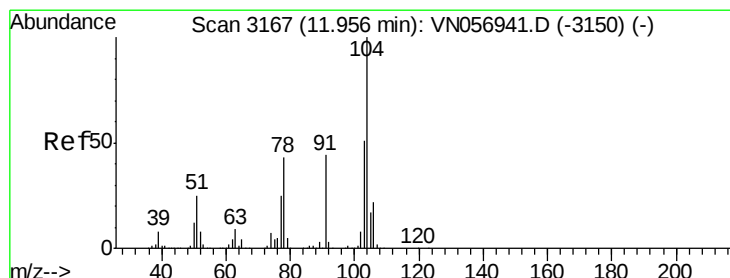
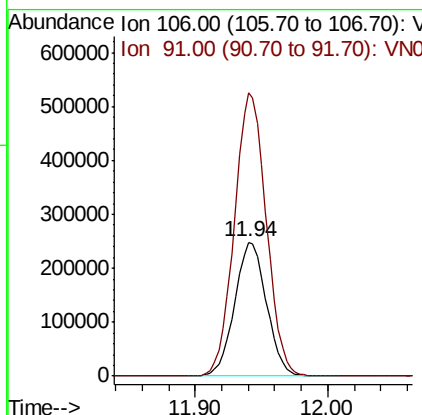
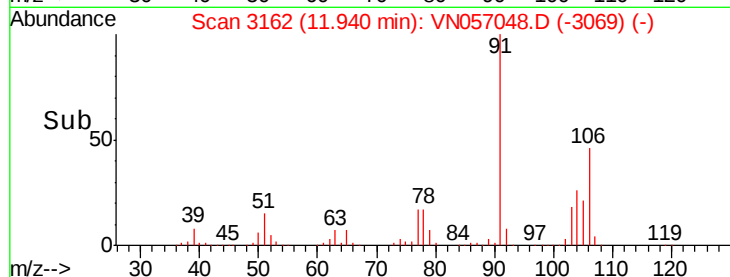
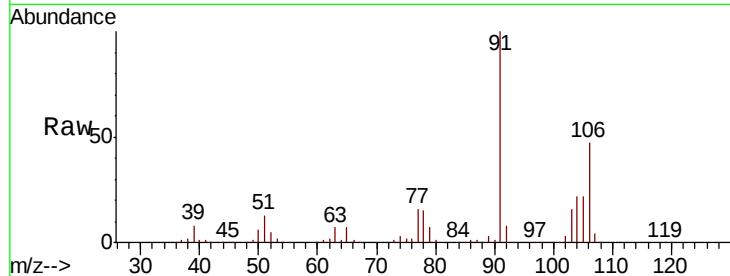




#69
o-Xylene
Concen: 51.783 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

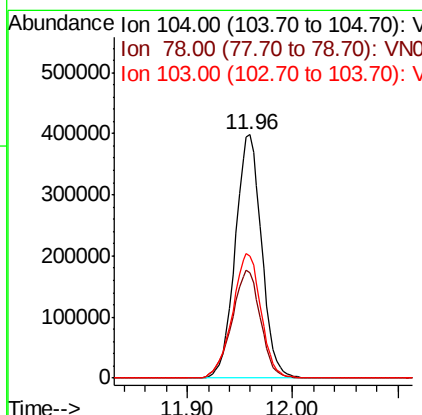
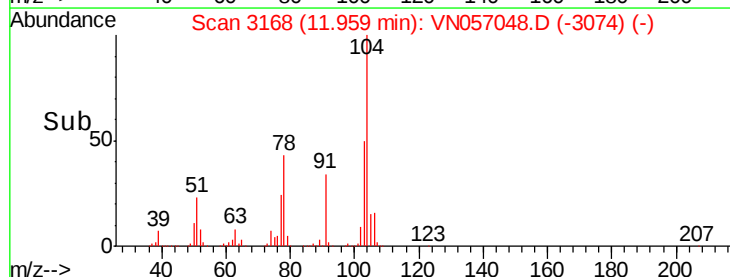
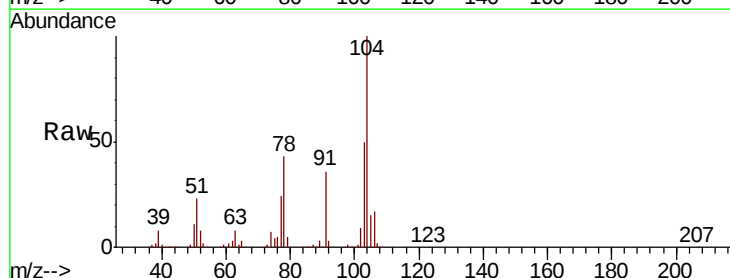
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

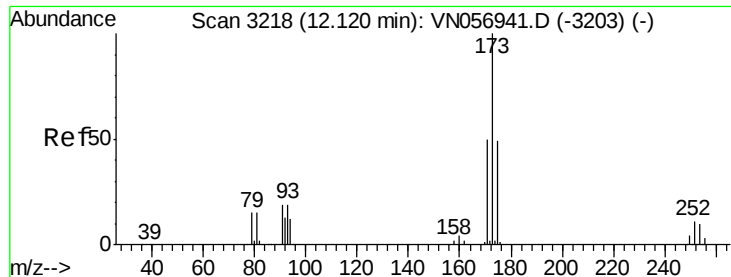
Tot Ion:106 Resp: 412689
Ion Ratio Lower Upper
106 100
91 211.8 106.2 318.6



#70
Styrene
Concen: 48.871 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:104 Resp: 687795
Ion Ratio Lower Upper
104 100
78 48.2 38.1 57.1
103 55.3 44.3 66.5





#71

Bromoform

Concen: 54.361 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

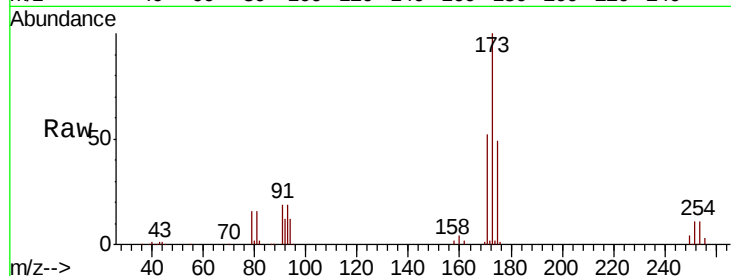
Tot Ion:173 Resp: 182435

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.4

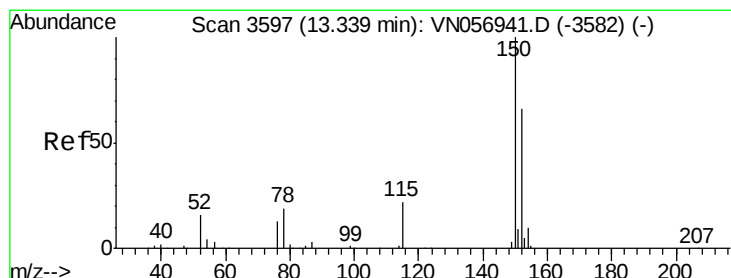
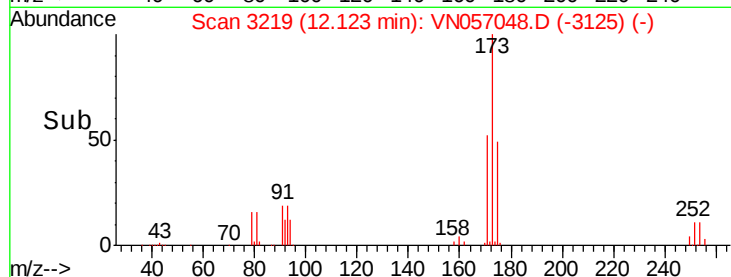
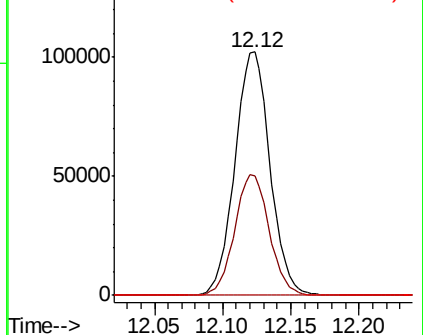
254 0.1 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

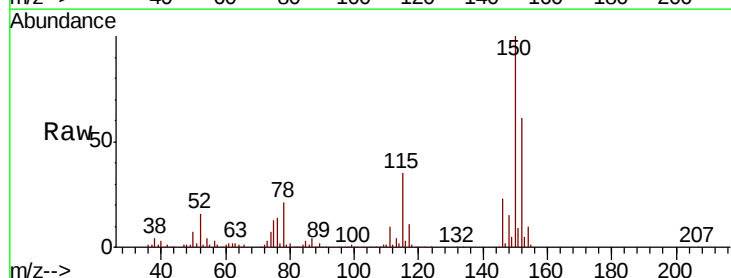
Tgt Ion:152 Resp: 267377

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

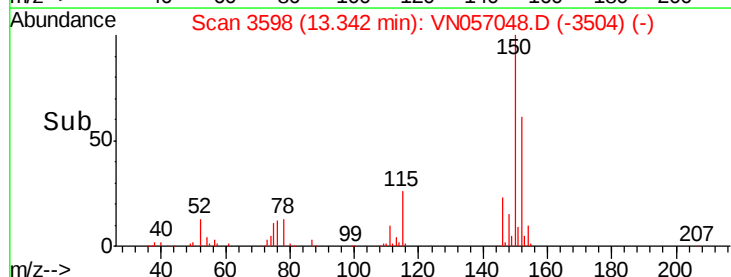
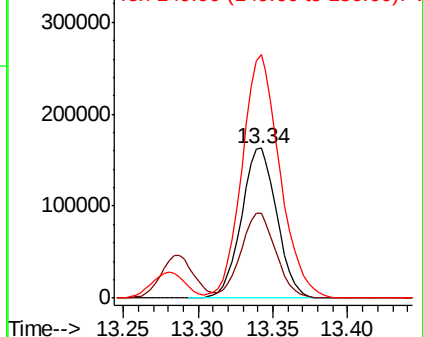
150 174.6 0.0 349.4

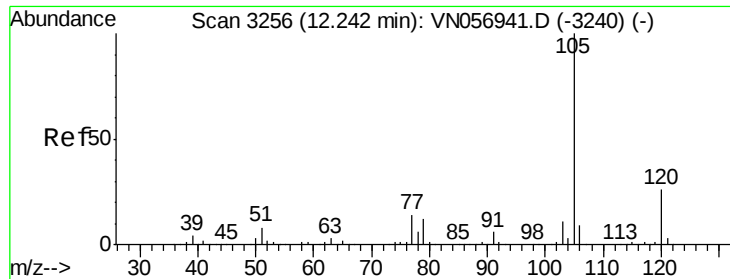


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.218 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

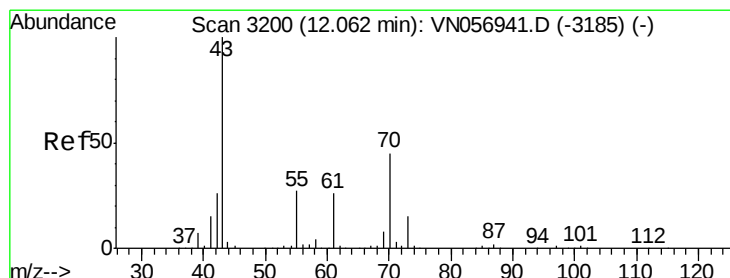
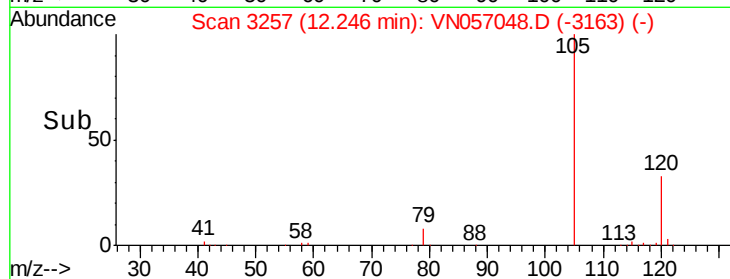
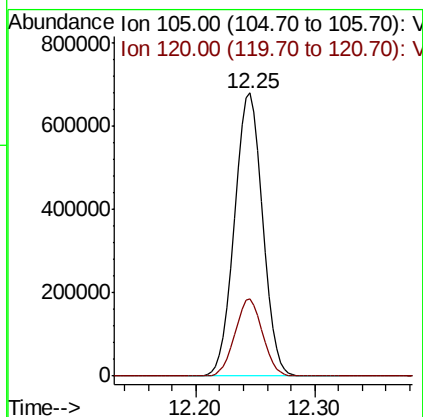
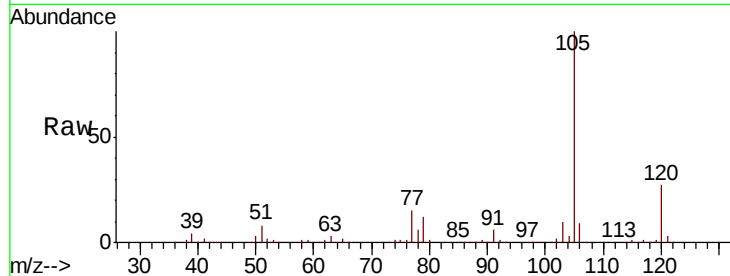
VSTDCCC050EC

Tot Ion:105 Resp: 1114216

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



#74

N-ethyl acetate

Concen: 51.202 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion: 43 Resp: 343548

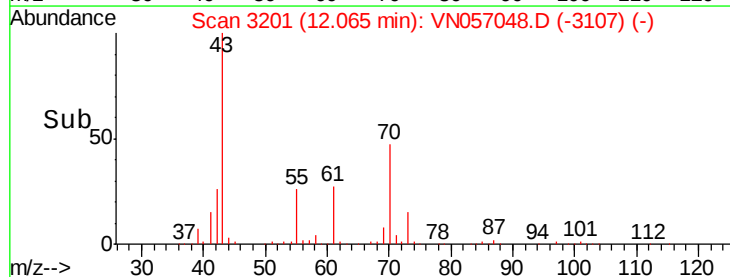
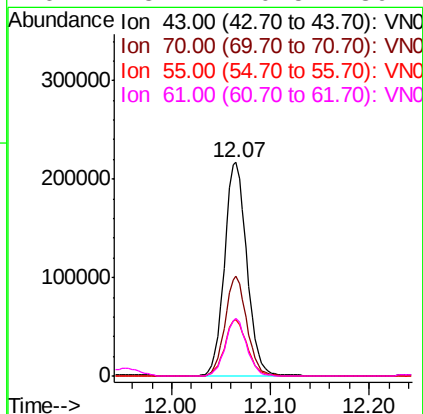
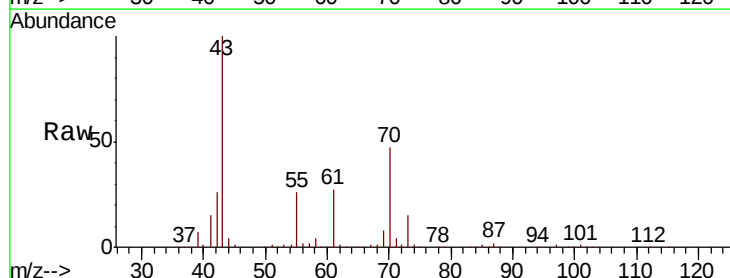
Ion Ratio Lower Upper

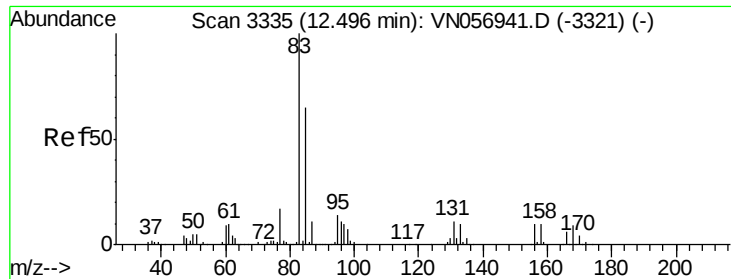
43 100

70 45.6 36.5 54.7

55 26.6 21.4 32.0

61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.314 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

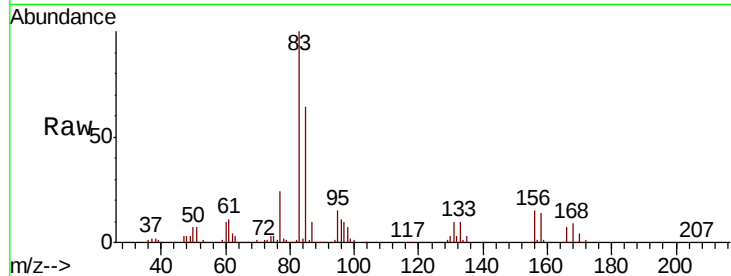
Tot Ion: 83 Resp: 304861

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

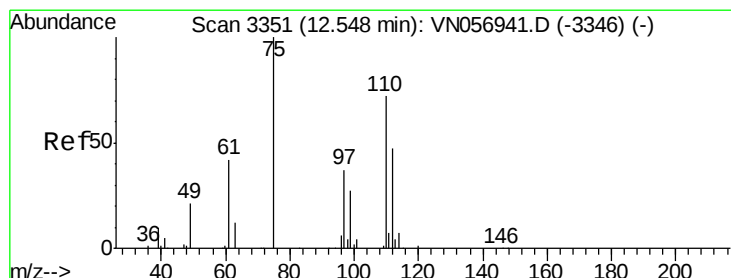
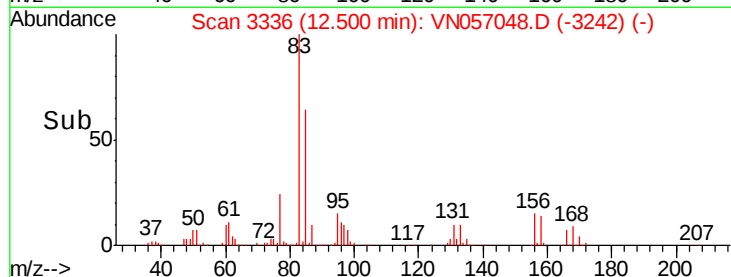
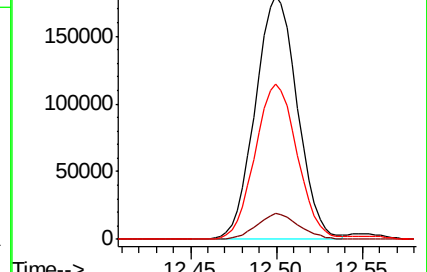
85 64.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056941.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 68.162 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN057048.D

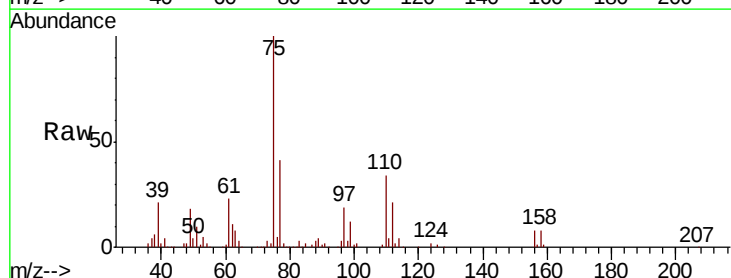
Acq: 1 Aug 2019 19:27

Tgt Ion: 75 Resp: 370120

Ion Ratio Lower Upper

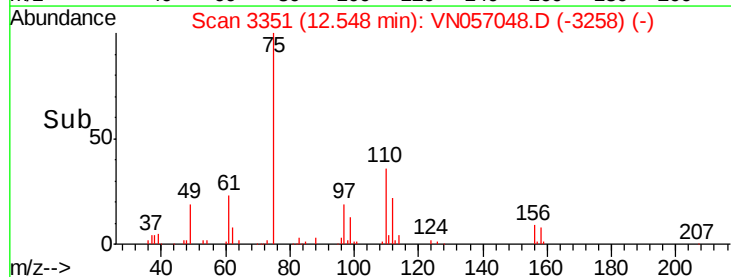
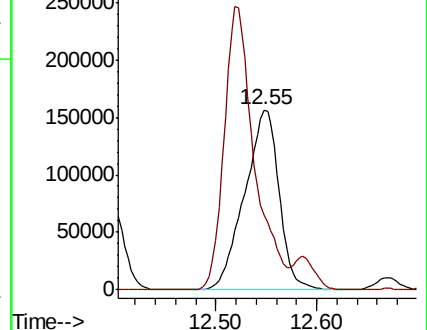
75 100

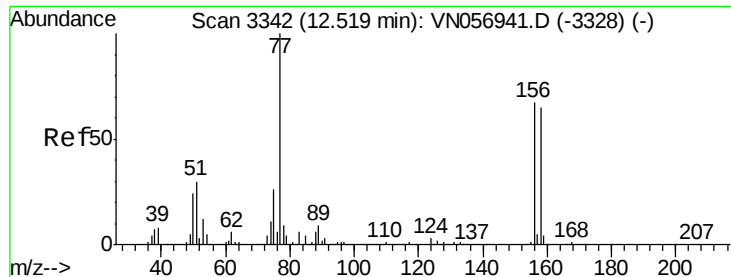
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN056941.D (-3346) (-)





#77

Bromobenzene

Concen: 48.380 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

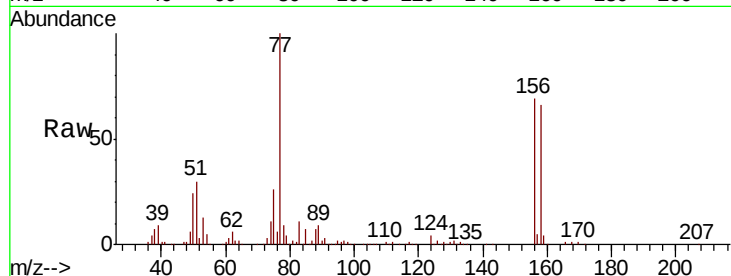
Tot Ion:156 Resp: 291776

Ion Ratio Lower Upper

156 100

77 176.9 89.5 268.5

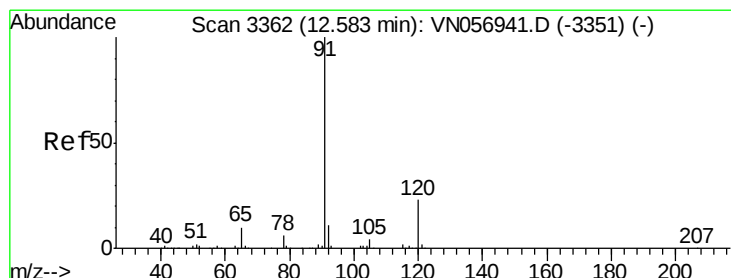
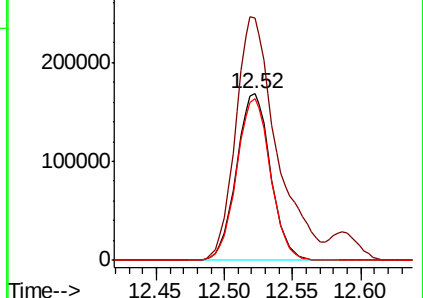
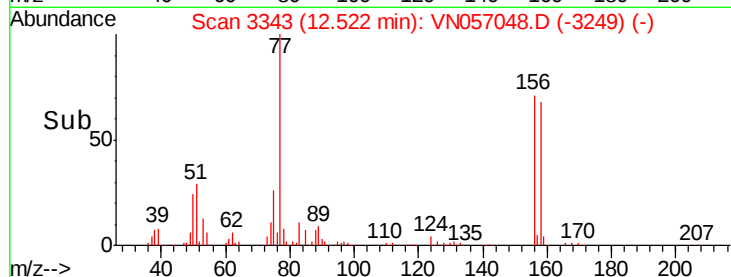
158 96.6 48.4 145.3



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: 48.691 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057048.D

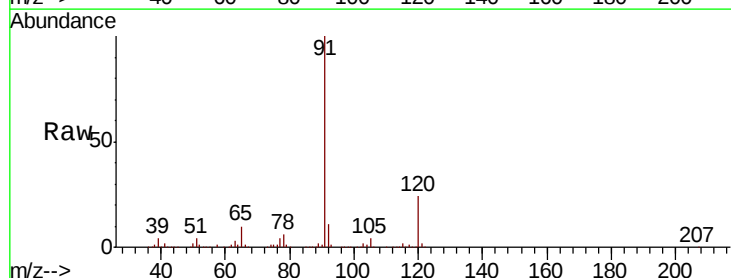
Acq: 1 Aug 2019 19:27

Tgt Ion: 91 Resp: 1201351

Ion Ratio Lower Upper

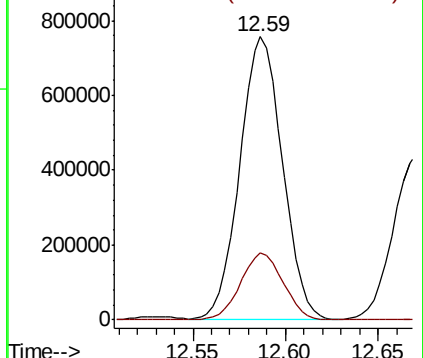
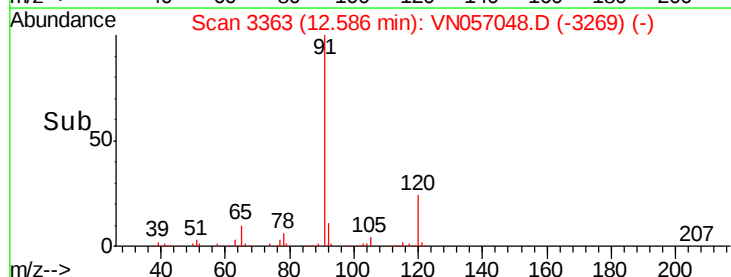
91 100

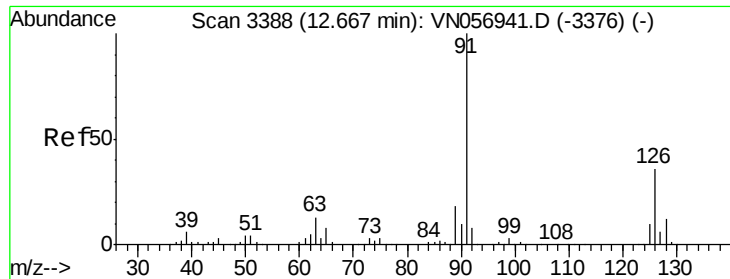
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.510 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

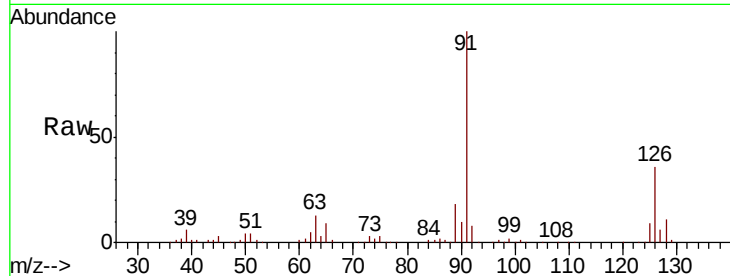
VSTDCCC050EC

Tot Ion: 91 Resp: 721811

Ion Ratio Lower Upper

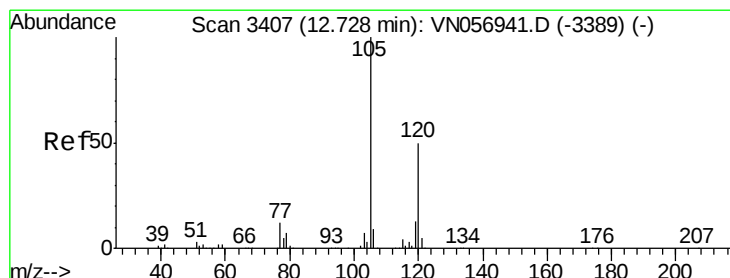
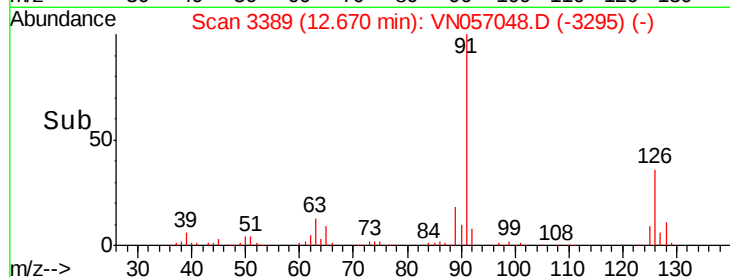
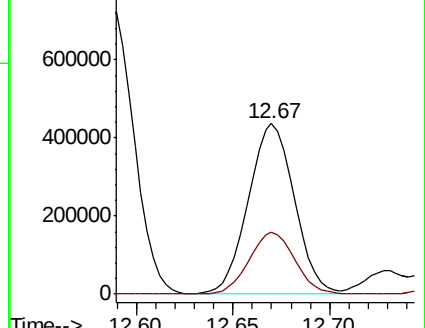
91 100

126 36.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.247 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057048.D

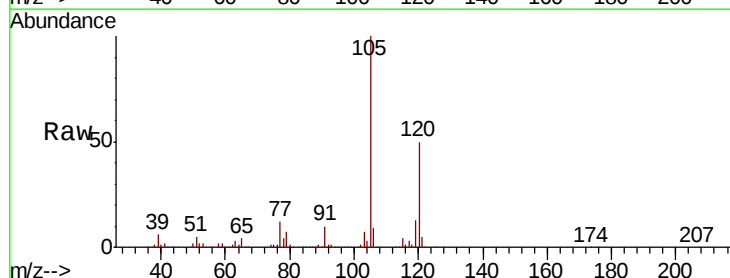
Acq: 1 Aug 2019 19:27

Tgt Ion: 105 Resp: 933995

Ion Ratio Lower Upper

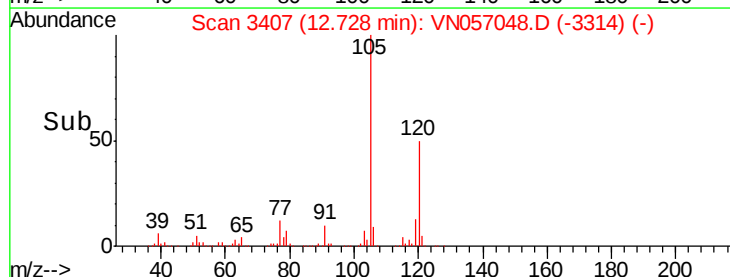
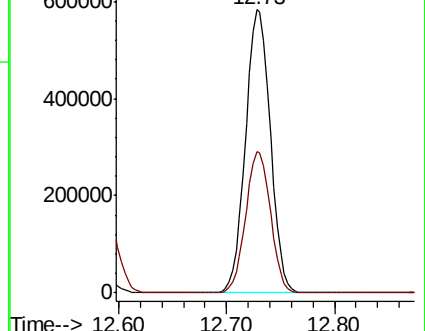
105 100

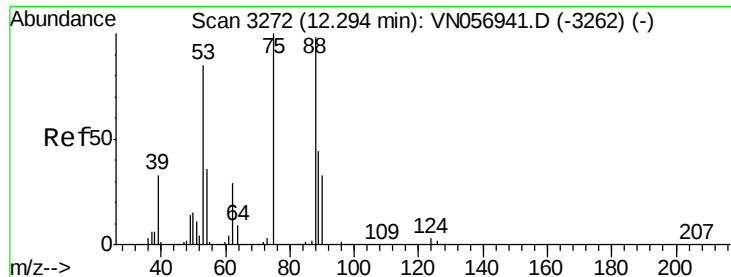
120 49.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN056941.D (-3389) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.346 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

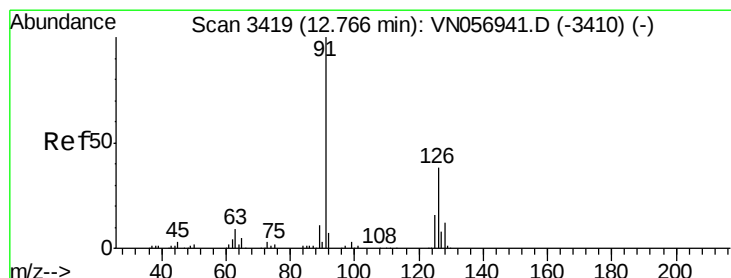
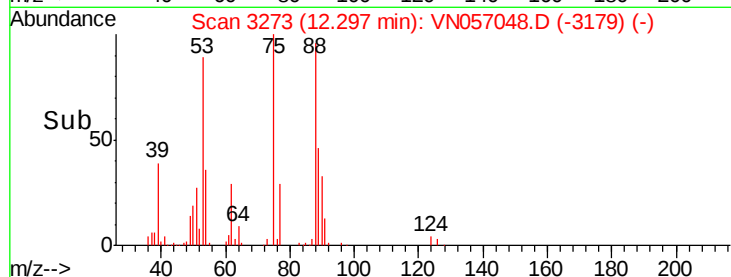
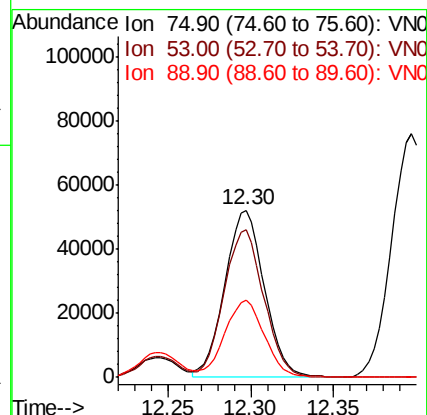
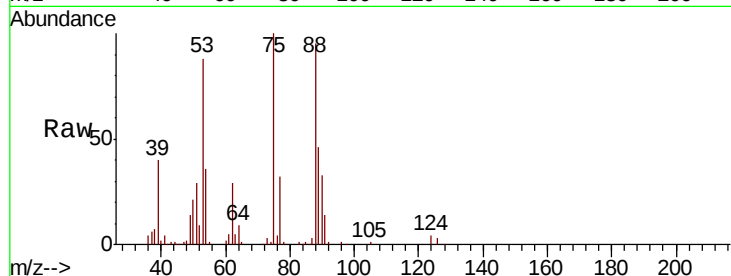
Tot Ion: 75 Resp: 86775

Ion Ratio Lower Upper

75 100

53 89.3 69.3 103.9

89 46.0 35.8 53.6



#82

4-Chlorotoluene

Concen: 49.243 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057048.D

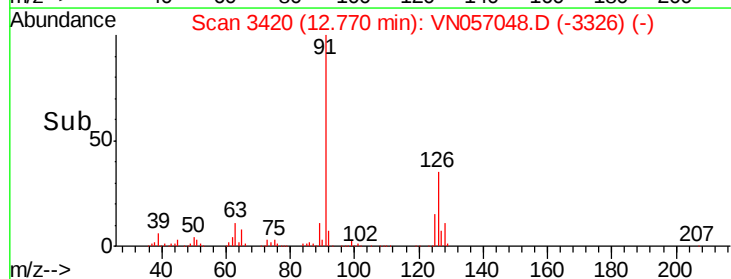
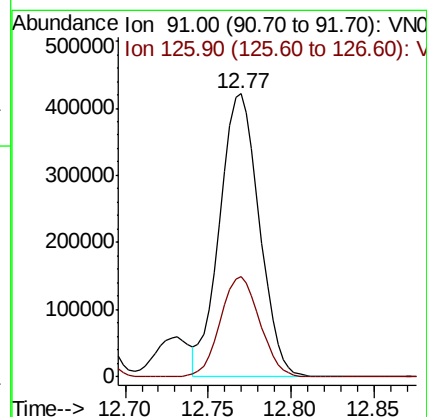
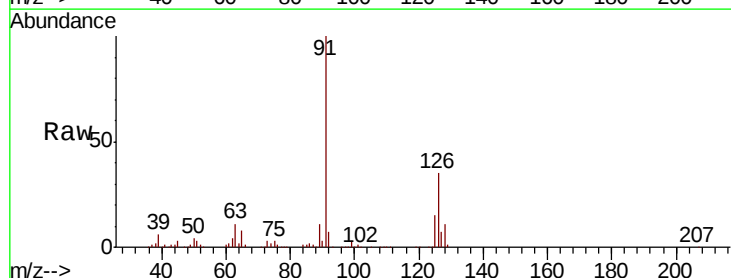
Acq: 1 Aug 2019 19:27

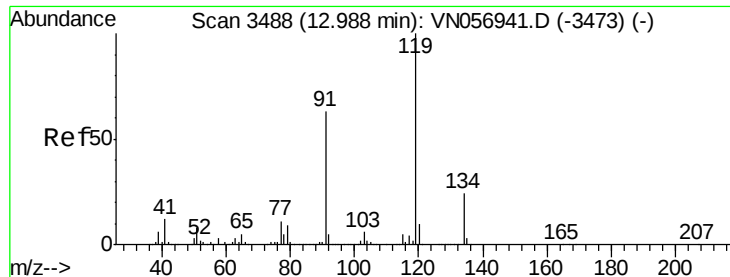
Tgt Ion: 91 Resp: 700125

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5

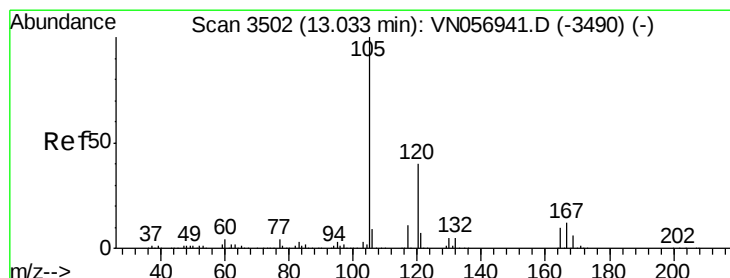
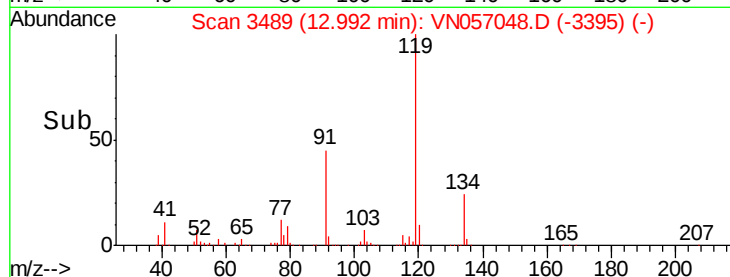
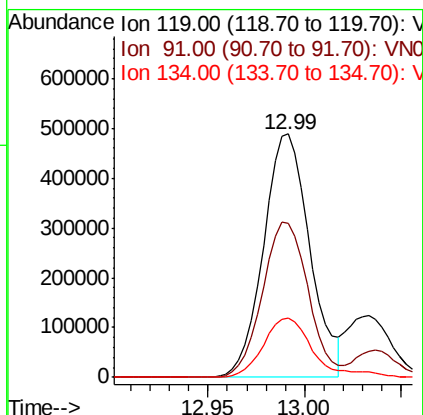
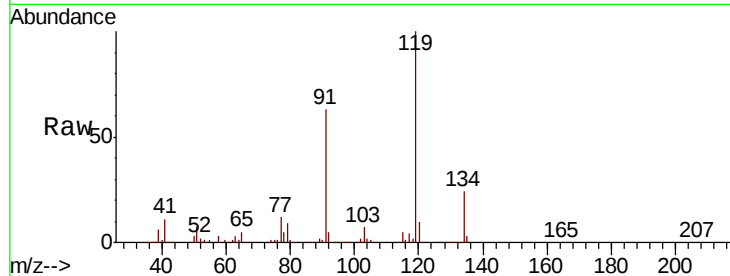




#83
tert-Butylbenzene
Concen: 48.511 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

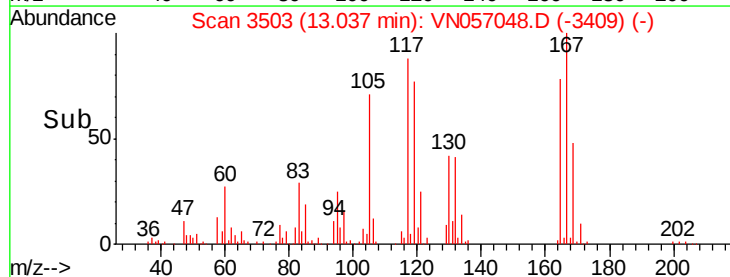
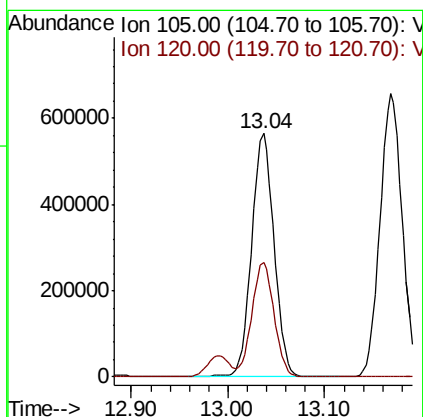
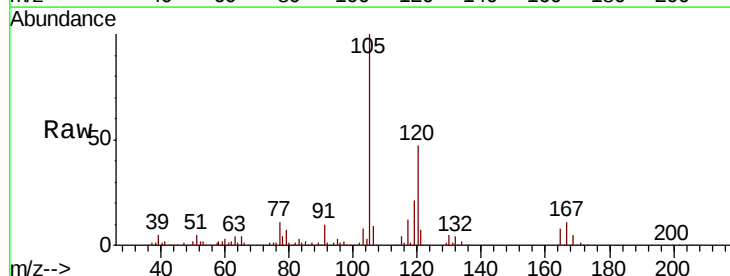
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

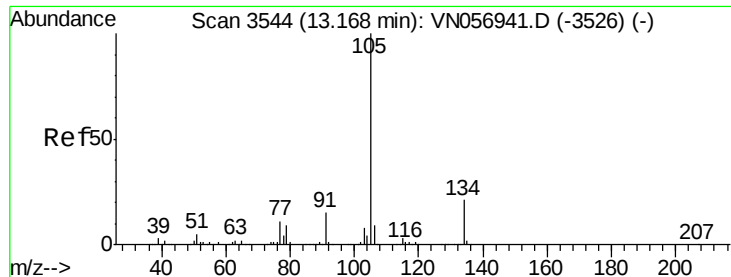
Tot Ion:119 Resp: 814457
Ion Ratio Lower Upper
119 100
91 62.6 31.3 93.8
134 26.3 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 49.828 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:105 Resp: 909290
Ion Ratio Lower Upper
105 100
120 46.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 48.227 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

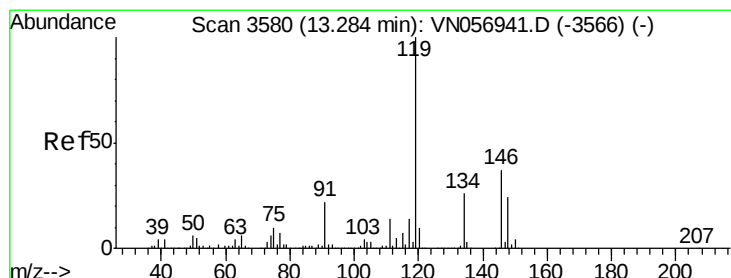
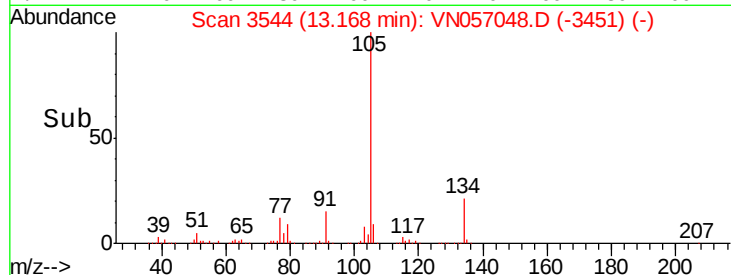
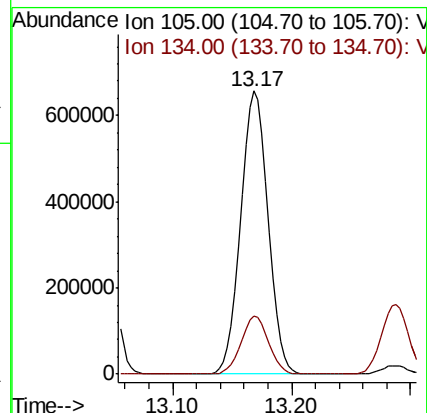
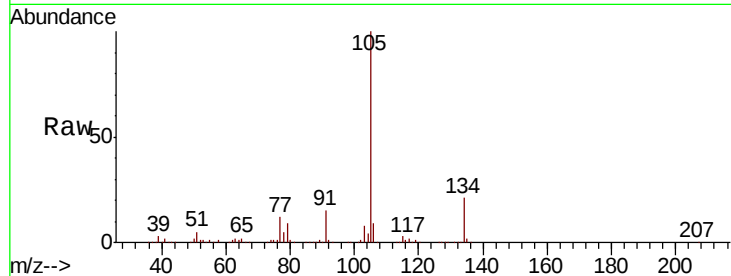
VSTDCCC050EC

Tot Ion:105 Resp: 1044392

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



#86

p-Isopropyltoluene

Concen: 49.695 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

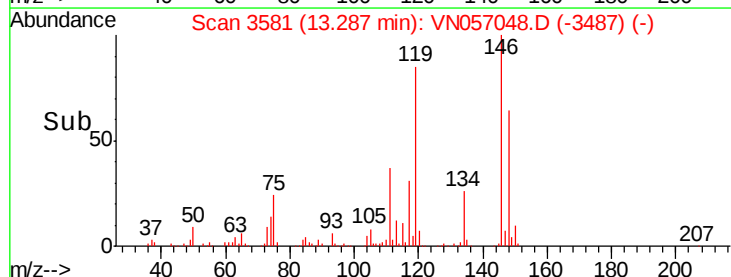
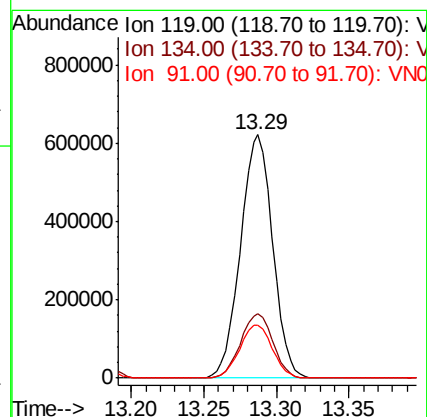
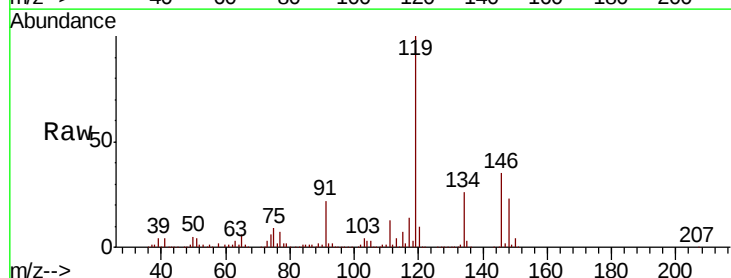
Tgt Ion:119 Resp: 955457

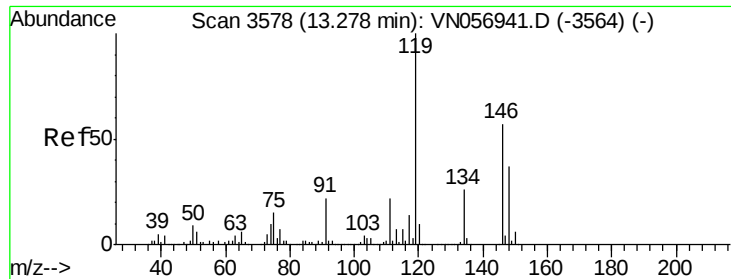
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.1 11.0 33.0

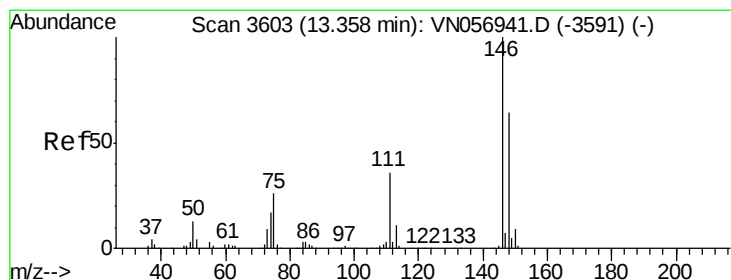
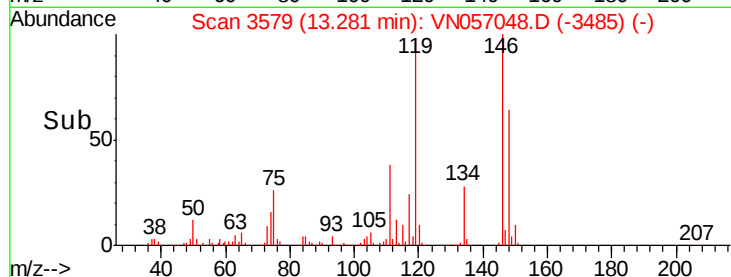
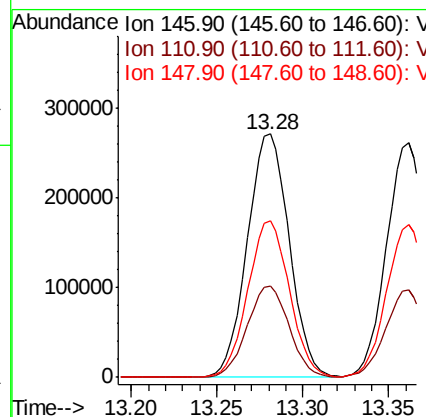
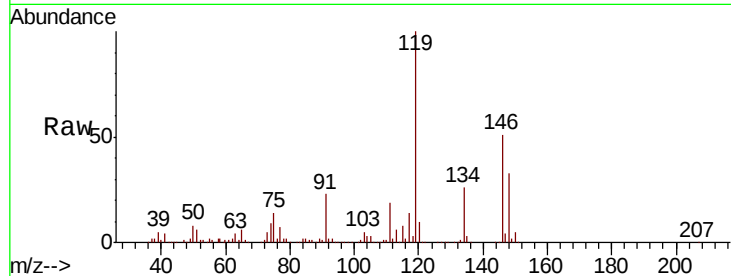




#87
 1,3-Dichlorobenzene
 Concen: 49.878 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

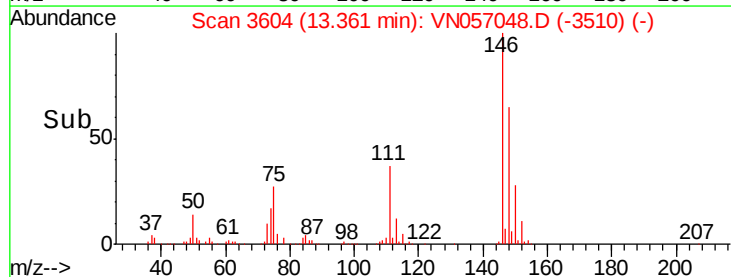
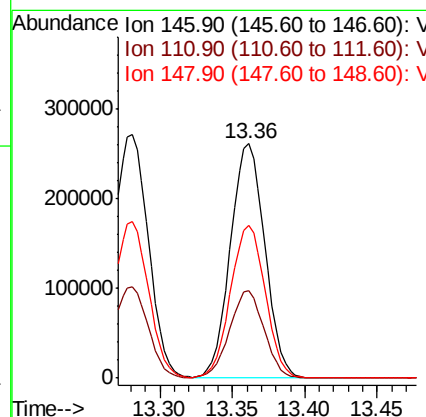
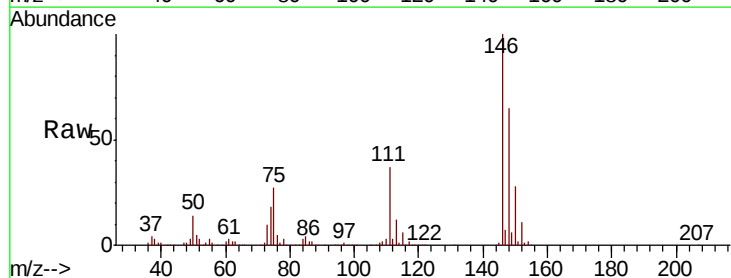
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

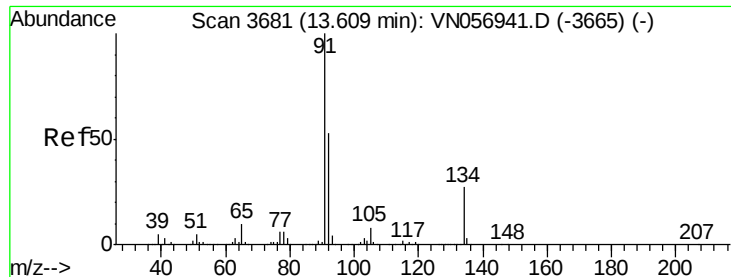
Tot Ion:146 Resp: 457575
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 64.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.065 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion:146 Resp: 433318
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.2
 148 65.3 32.3 96.9

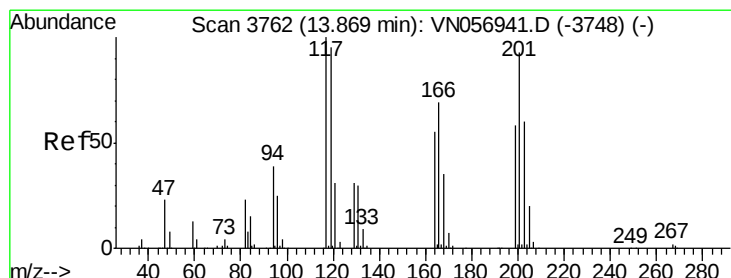
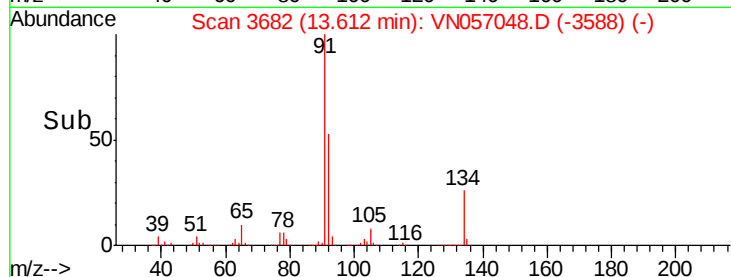
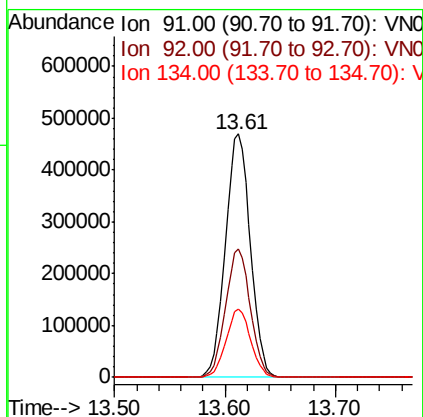
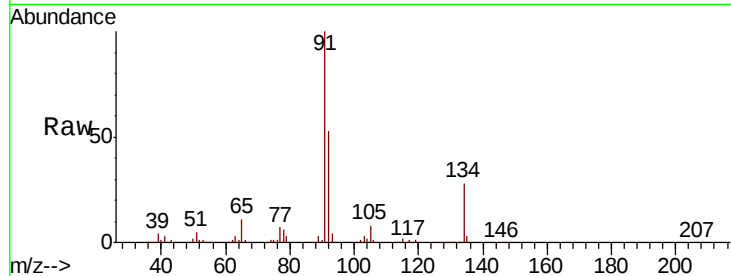




#89
n-Butylbenzene
Concen: 49.624 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

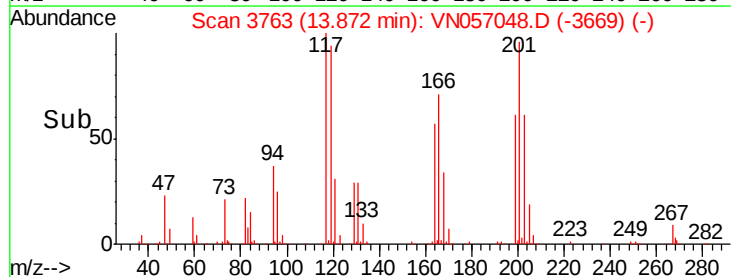
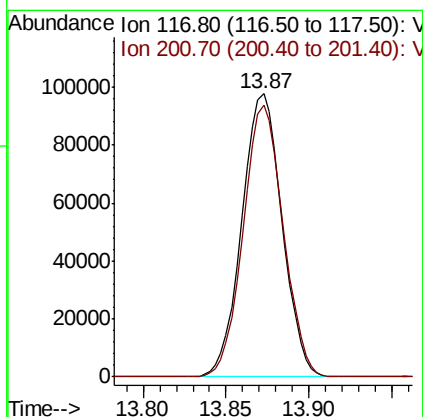
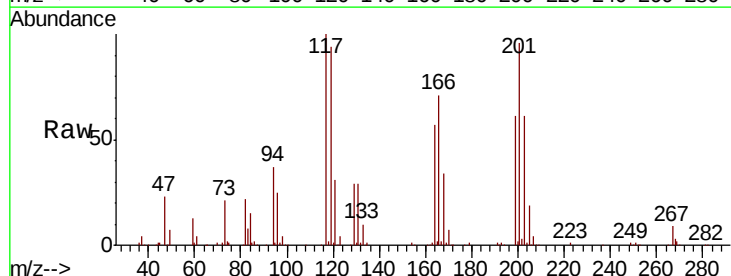
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

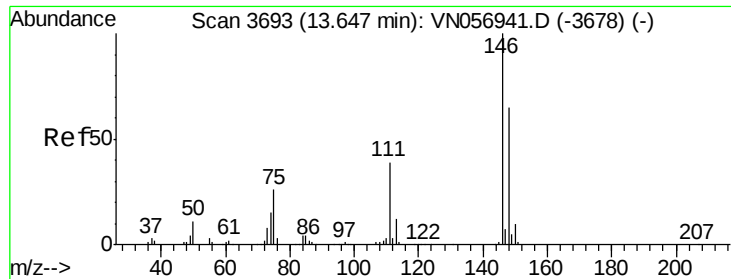
Tot Ion: 91 Resp: 735314
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 27.8 13.5 40.4



#90
Hexachloroethane
Concen: 49.723 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 117 Resp: 164613
Ion Ratio Lower Upper
117 100
201 95.4 47.0 141.2

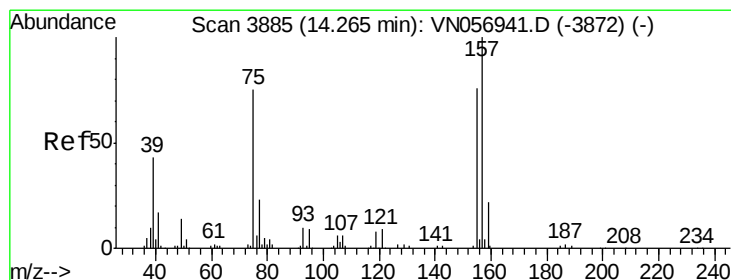
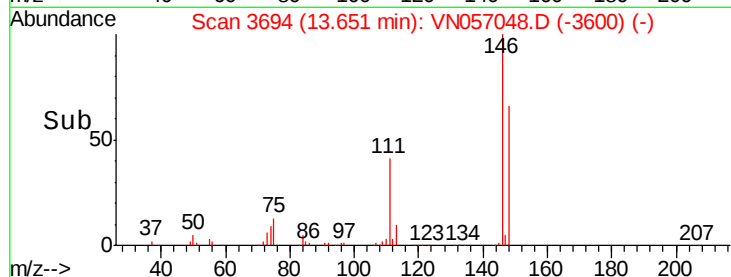
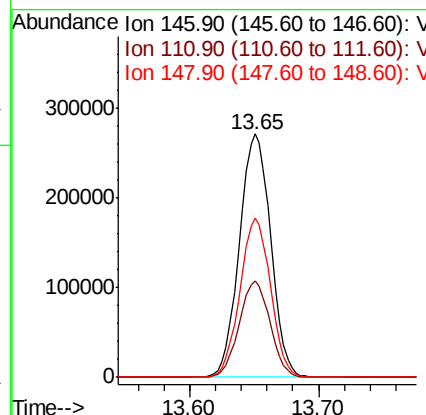
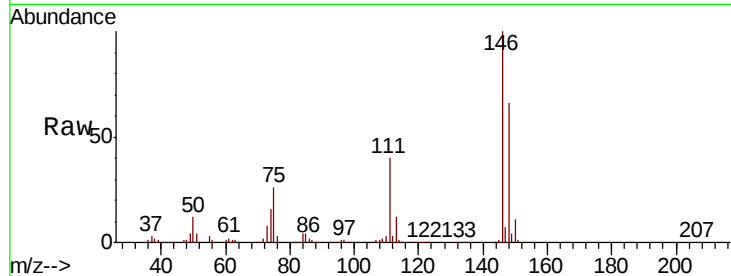




#91
 1,2-Dichlorobenzene
 Concen: 50.637 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

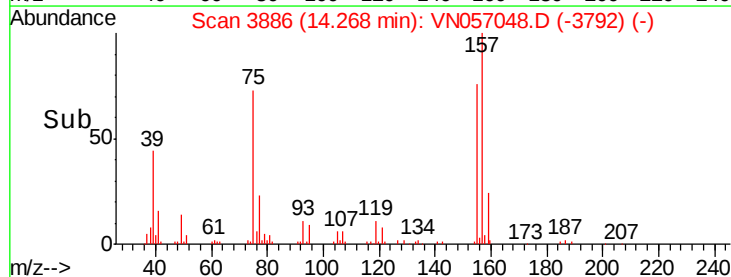
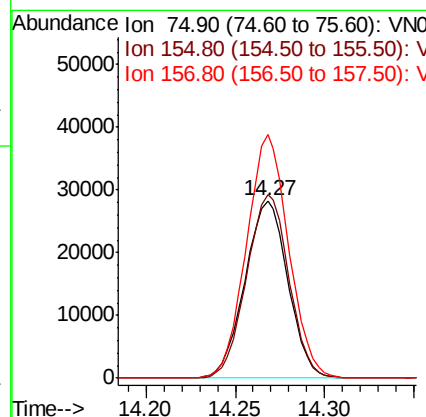
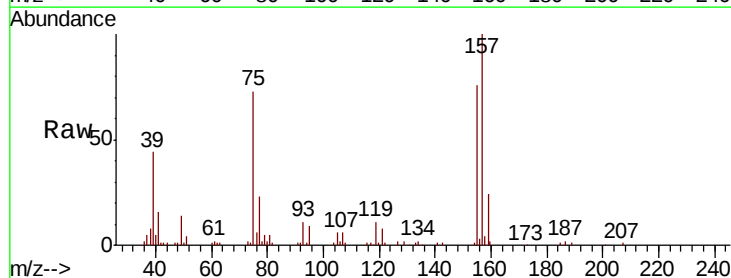
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

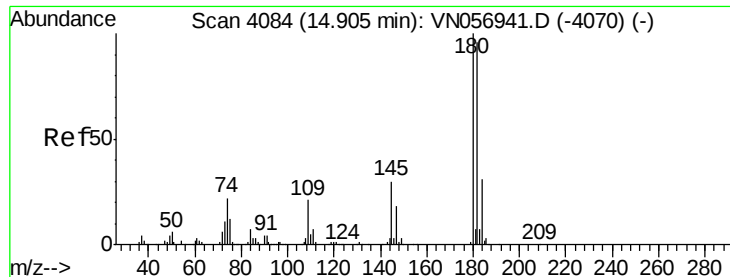
Tot Ion:146 Resp: 457194
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.4 58.4
 148 64.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.614 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 75 Resp: 47437
 Ion Ratio Lower Upper
 75 100
 155 102.0 50.2 150.6
 157 134.9 65.1 195.4

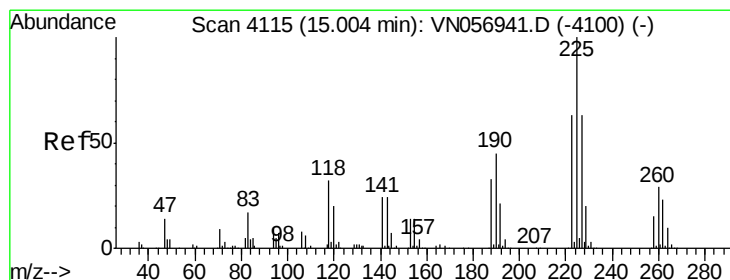
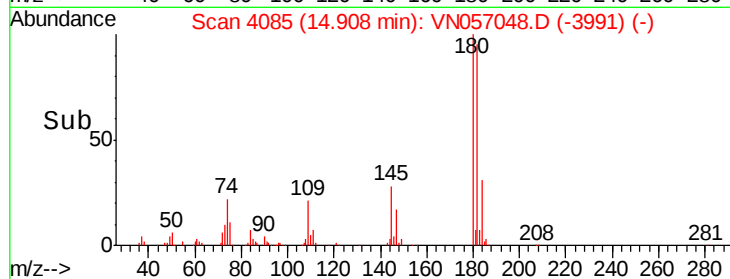
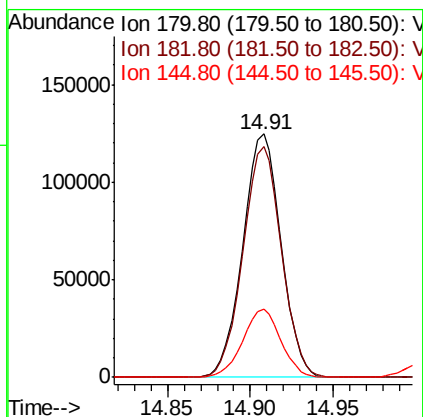
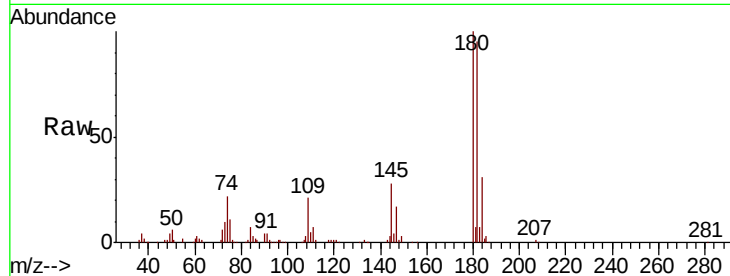




#93
 1,2,4-Trichlorobenzene
 Concen: 43.255 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

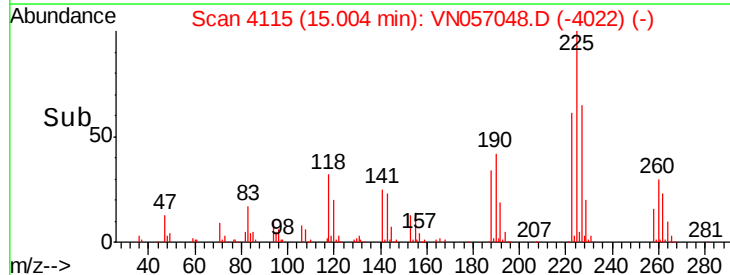
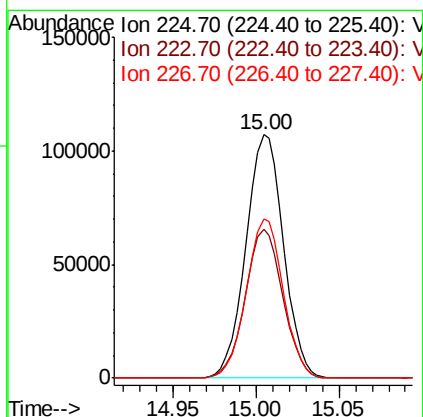
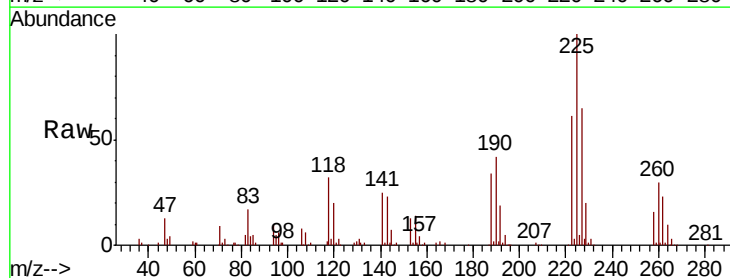
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

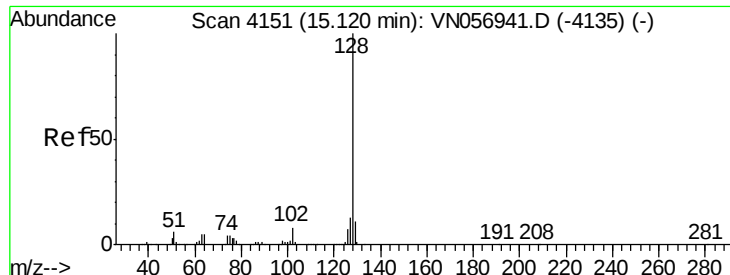
Tot Ion:180 Resp: 199673
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.6 142.8
 145 27.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 53.808 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion:225 Resp: 168908
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.8 92.4
 227 64.3 31.1 93.5

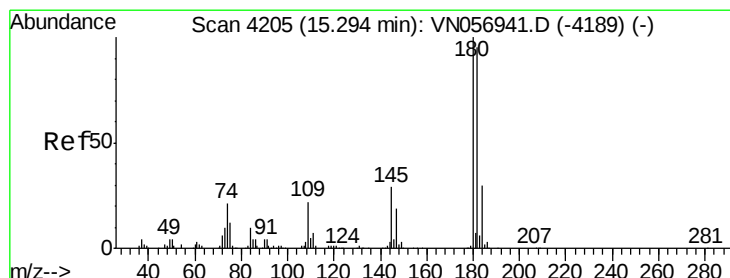
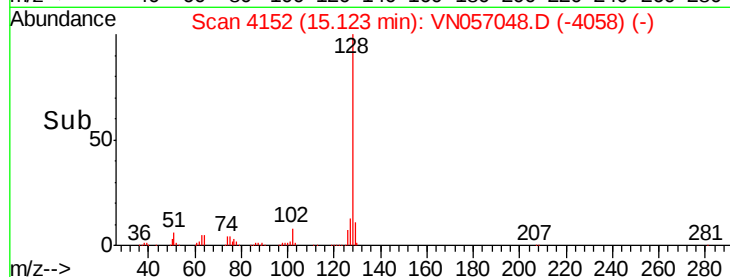
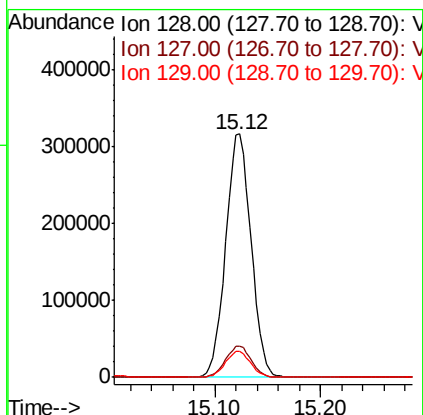
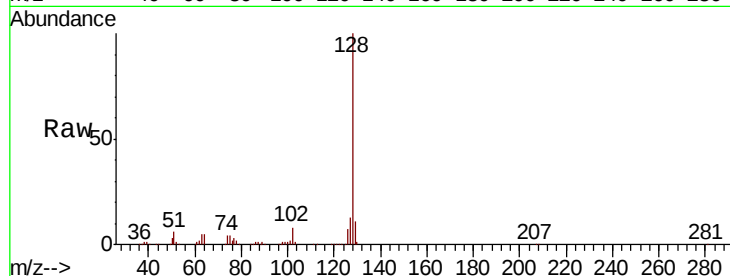




#95
Naphthalene
Concen: 46.579 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 526162
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 47.732 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:180 Resp: 224211
Ion Ratio Lower Upper
180 100
182 96.1 48.0 144.2
145 29.3 15.0 45.0

