

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054757.D
 Acq On : 28 Mar 2019 20:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 29 05:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	411125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	692738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271463	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	266603	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	7.59	113	216616	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	10.09	98	783494	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.40	95	273987	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	216088	54.981	ug/l	99
3) Chloromethane	2.06	50	309701	57.916	ug/l	98
4) Vinyl Chloride	2.19	62	271304	50.533	ug/l	99
5) Bromomethane	2.57	94	157621	45.403	ug/l	98
6) Chloroethane	2.71	64	148248	46.037	ug/l	98
7) Trichlorofluoromethane	3.02	101	337269	51.729	ug/l	97
8) Diethyl Ether	3.41	74	110223	43.957	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	173208	45.203	ug/l	94
10) Methyl Iodide	3.95	142	269005	47.725	ug/l #	89
11) Tert butyl alcohol	4.82	59	80891	261.278	ug/l	99
12) 1,1-Dichloroethene	3.73	96	172340	43.460	ug/l #	74
13) Acrolein	3.61	56	84311	197.335	ug/l	96
14) Allyl chloride	4.32	41	430455	57.646	ug/l #	91
15) Acrylonitrile	4.99	53	438923	284.689	ug/l	99
16) Acetone	3.82	43	304677	198.171	ug/l #	81
17) Carbon Disulfide	4.04	76	558807	52.593	ug/l	99
18) Methyl Acetate	4.33	43	197427	57.612	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	614516	53.100	ug/l	93
20) Methylene Chloride	4.54	84	249516	55.055	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	226683	55.982	ug/l #	82
22) Diisopropyl ether	5.96	45	867187	58.876	ug/l #	93
23) Vinyl Acetate	5.90	43	3134891	301.358	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	460000	58.004	ug/l	98
25) 2-Butanone	6.85	43	540523	274.451	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	306427	54.204	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	263333	54.523	ug/l	88
28) Bromochloromethane	7.19	49	212488	54.434	ug/l #	70
29) Tetrahydrofuran	7.22	42	366198	286.527	ug/l #	84
30) Chloroform	7.37	83	440218	56.880	ug/l	98
31) Cyclohexane	7.65	56	436204	57.688	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	367546	57.563	ug/l	95
36) 1,1-Dichloropropene	7.79	75	340385	52.552	ug/l	94
37) Ethyl Acetate	6.94	43	245617	53.316	ug/l	95
38) Carbon Tetrachloride	7.77	117	320549	50.927	ug/l	98

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

39) Methylcyclohexane	9.08	83	365807	49.372	ug/l #	87
40) Benzene	8.04	78	992466	53.584	ug/l	100
41) Methacrylonitrile	7.18	41	139036	49.489	ug/l	89
42) 1,2-Dichloroethane	8.13	62	351050	52.044	ug/l	97
43) Isopropyl Acetate	8.17	43	430677	55.356	ug/l #	93
44) Trichloroethene	8.84	130	254680	49.458	ug/l	93
45) 1,2-Dichloropropane	9.12	63	279991	56.297	ug/l	100
46) Dibromomethane	9.21	93	157140	52.962	ug/l	88
47) Bromodichloromethane	9.40	83	334987	54.401	ug/l	98
48) Methyl methacrylate	9.20	41	220233	52.154	ug/l #	86
49) 1,4-Dioxane	9.20	88	45751	969.128	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1184133	274.625	ug/l	92
52) Toluene	10.16	92	589898	51.783	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	329066	50.630	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	389798	55.209	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	217172	53.035	ug/l	96
56) Ethyl methacrylate	10.43	69	297668	54.159	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	380257	53.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	580629	256.551	ug/l #	89
59) 2-Hexanone	10.75	43	732355	260.030	ug/l	91
60) Dibromochloromethane	10.90	129	231164	53.051	ug/l	99
61) 1,2-Dibromoethane	11.01	107	210157	51.912	ug/l	99
64) Tetrachloroethene	10.63	164	239302	48.069	ug/l	95
65) Chlorobenzene	11.43	112	617792	50.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237336	54.168	ug/l	100
67) Ethyl Benzene	11.51	91	1130832	52.443	ug/l	97
68) m/p-Xylenes	11.62	106	840498	102.907	ug/l	96
69) o-Xylene	11.95	106	409996	51.401	ug/l	97
70) Styrene	11.96	104	686877	53.028	ug/l	96
71) Bromoform	12.13	173	141018	46.831	ug/l #	100
73) Isopropylbenzene	12.25	105	1078848	49.319	ug/l	98
74) N-amyl acetate	12.07	43	361696	57.505	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	262262	52.520	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	320460	74.392	ug/l #	100
77) Bromobenzene	12.53	156	263805	48.625	ug/l	84
78) n-propylbenzene	12.59	91	1207161	50.891	ug/l	96
79) 2-Chlorotoluene	12.67	91	726066	49.085	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	887928	49.526	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58974	47.374	ug/l #	83
82) 4-Chlorotoluene	12.77	91	726086	50.641	ug/l	96
83) tert-Butylbenzene	12.99	119	756162	48.454	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	884416	50.274	ug/l	98
85) sec-Butylbenzene	13.17	105	968156	49.766	ug/l	96
86) p-Isopropyltoluene	13.29	119	863085	49.589	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	451779	50.250	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	437612	50.027	ug/l	98
89) n-Butylbenzene	13.62	91	714420	52.495	ug/l	97
90) Hexachloroethane	13.87	117	144853	53.617	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	449725	51.644	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40005	54.619	ug/l	82

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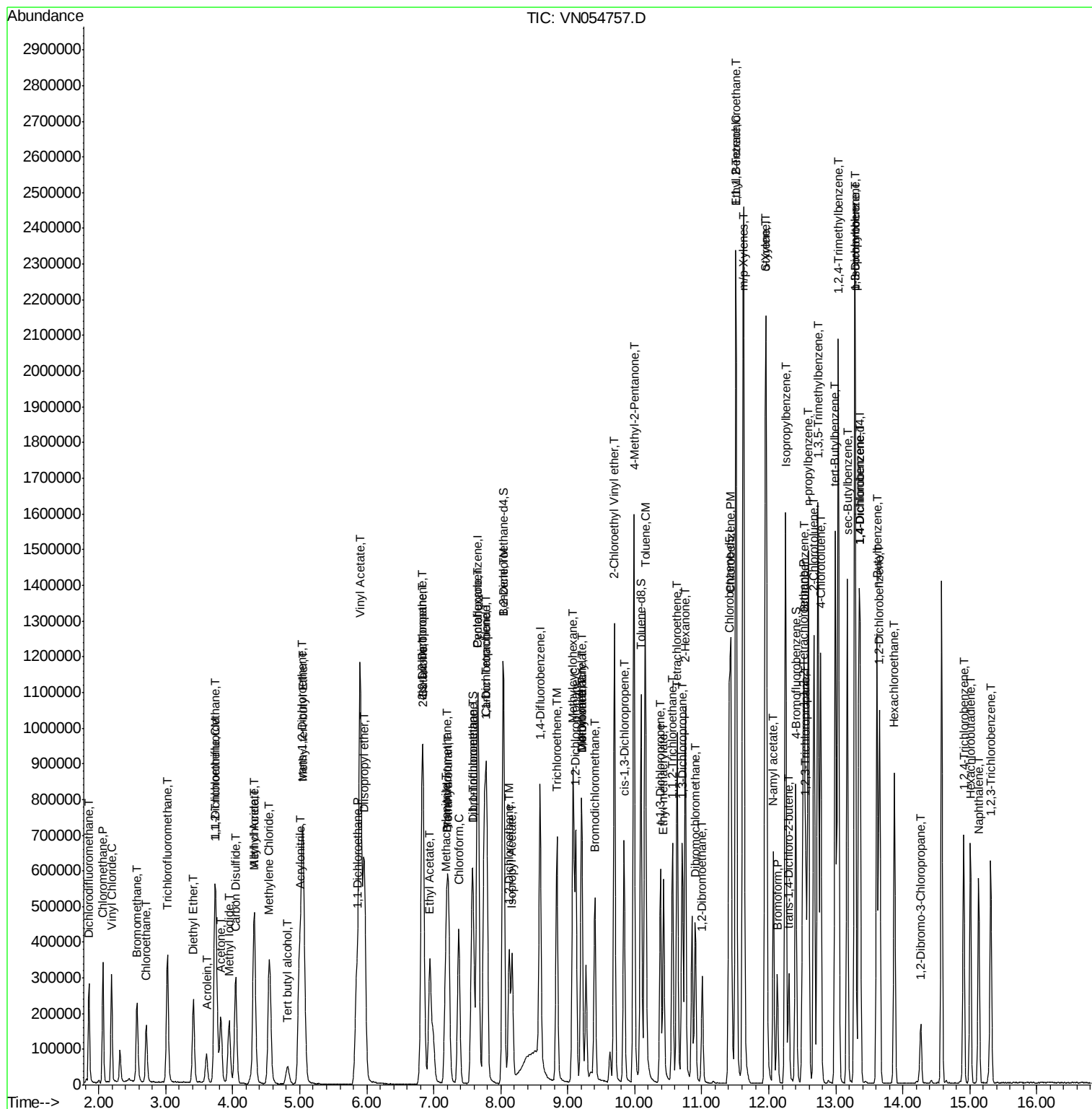
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	222956	51.359	ug/l	99
94) Hexachlorobutadiene	15.01	225	134129	55.253	ug/l	99
95) Naphthalene	15.13	128	484777	50.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	218224	50.508	ug/l	99

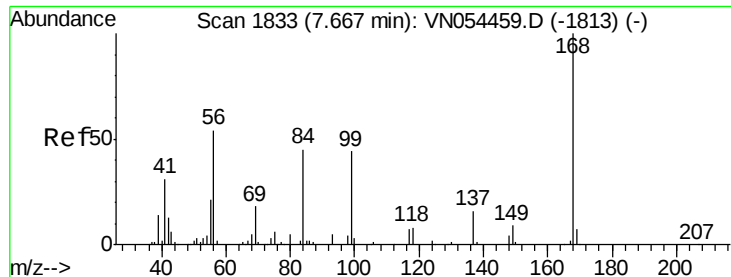
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032819\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

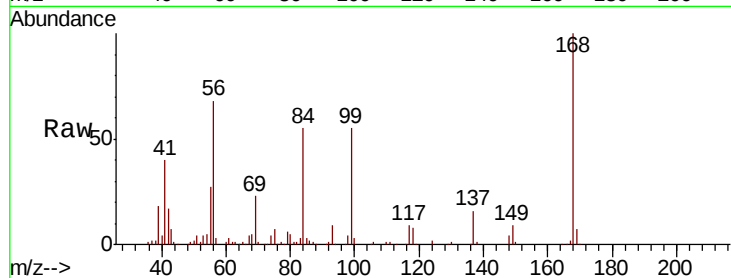
VSTDCCC050EC

Tot Ion:168 Resp: 411125

Ion Ratio Lower Upper

168 100

99 53.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

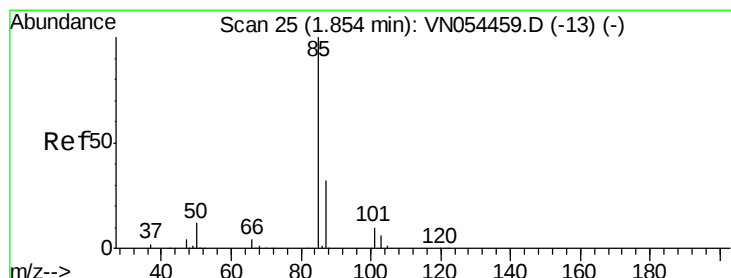
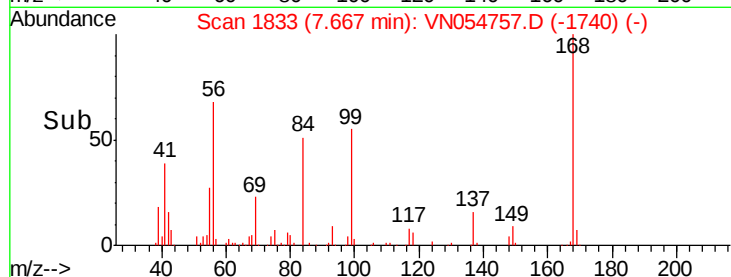
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.981 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054757.D

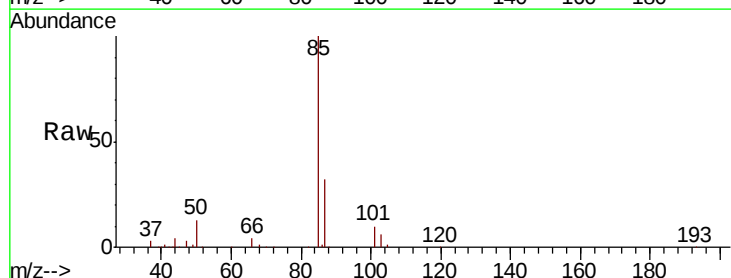
Acq: 28 Mar 2019 20:48

Tgt Ion: 85 Resp: 216088

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

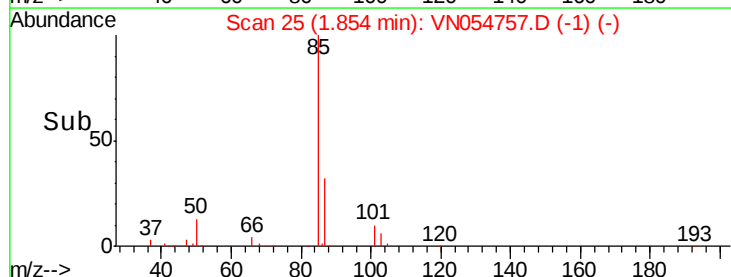
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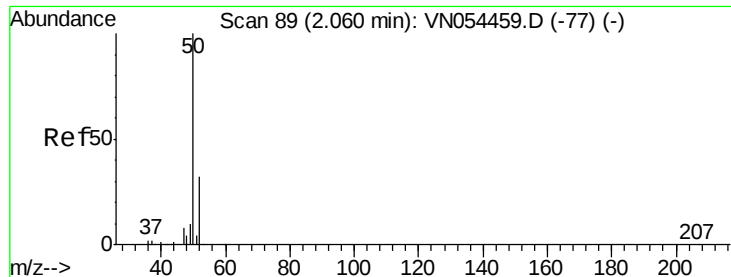
100000

50000

0

Time-->





#3

Chloromethane

Concen: 57.916 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

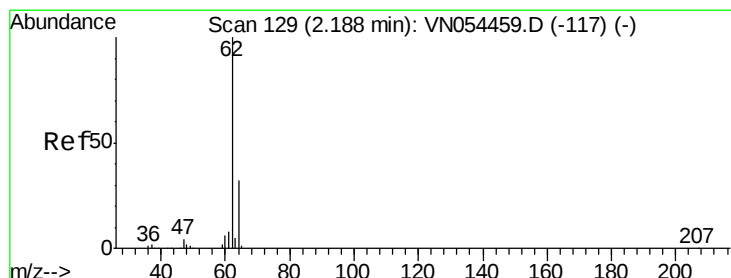
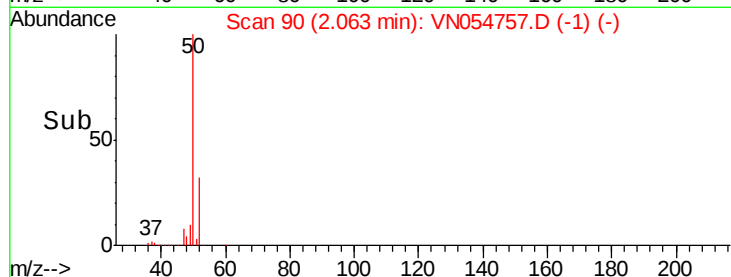
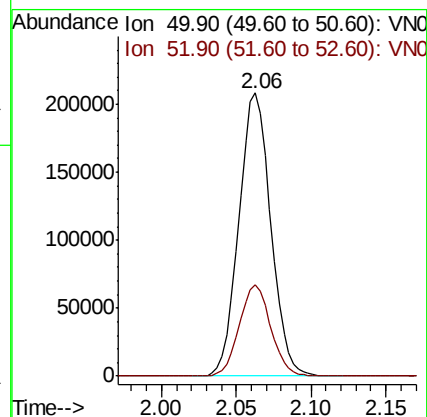
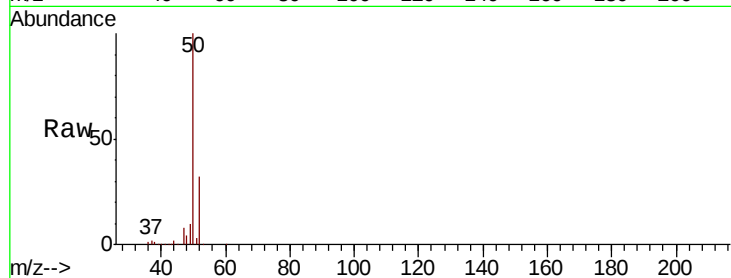
VSTDCCC050EC

Tot Ion: 50 Resp: 309701

Ion Ratio Lower Upper

50 100

52 32.1 26.4 39.6



#4

Vinyl Chloride

Concen: 50.533 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054757.D

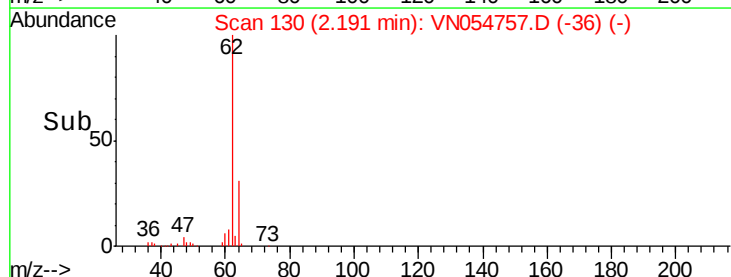
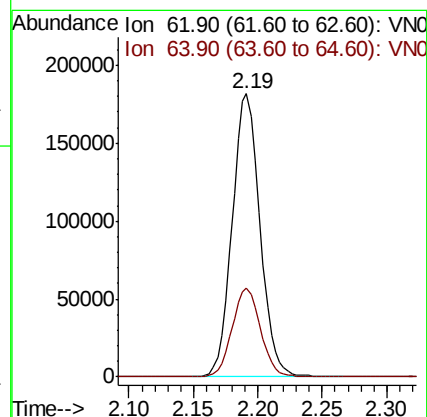
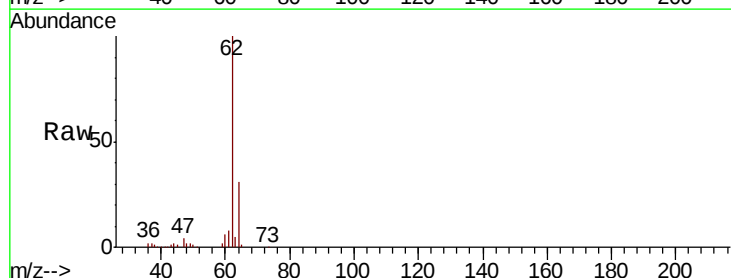
Acq: 28 Mar 2019 20:48

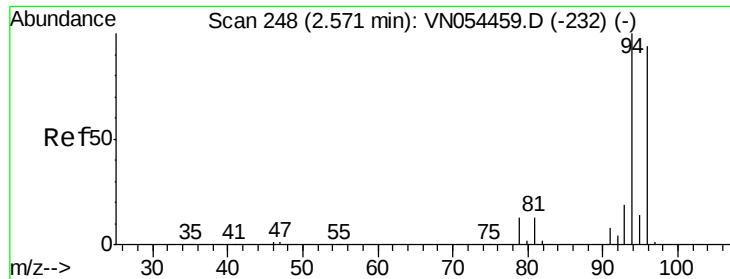
Tgt Ion: 62 Resp: 271304

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 45.403 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

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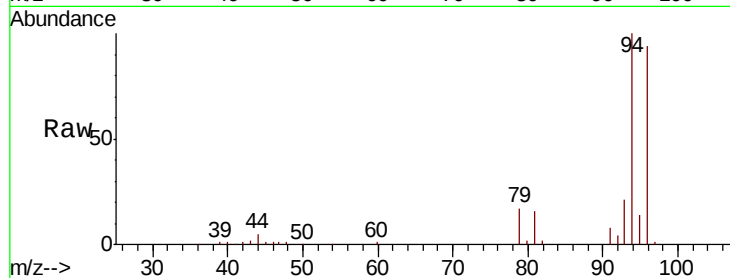
VSTDCCC050EC

Tot Ion: 94 Resp: 157621

Ion Ratio Lower Upper

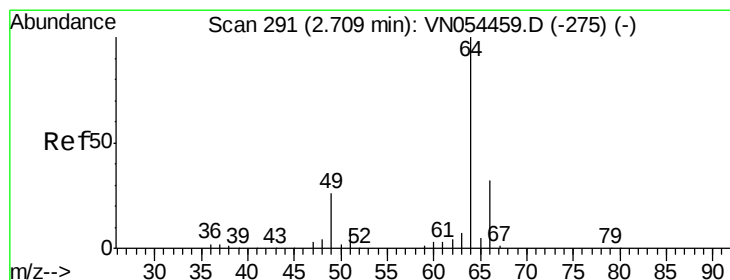
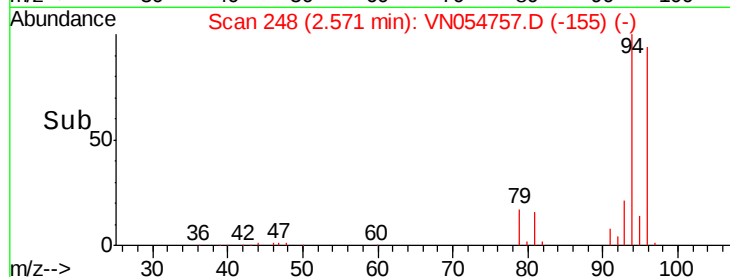
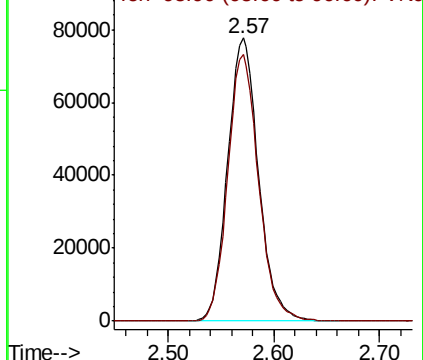
94 100

96 94.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.037 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054757.D

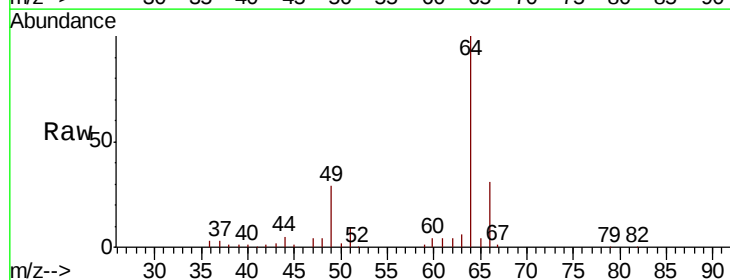
Acq: 28 Mar 2019 20:48

Tgt Ion: 64 Resp: 148248

Ion Ratio Lower Upper

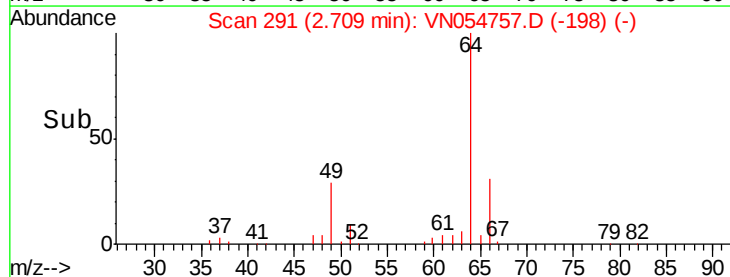
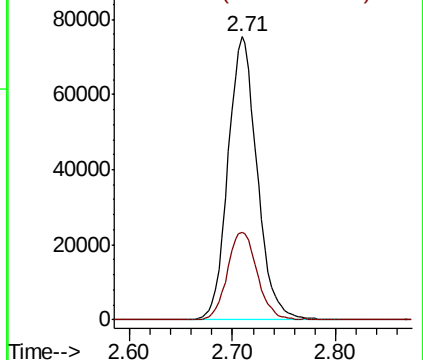
64 100

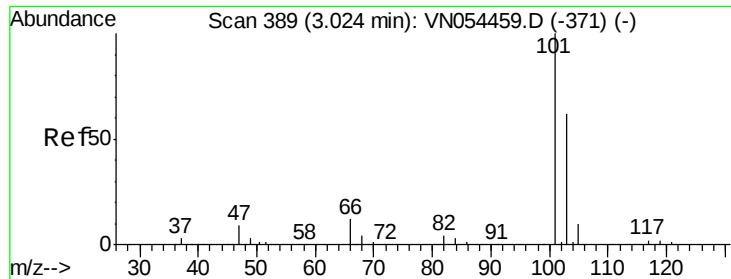
66 31.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 51.729 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

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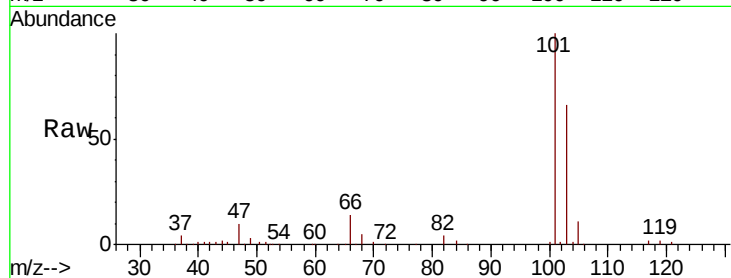
VSTDCCC050EC

Tot Ion:101 Resp: 337269

Ion Ratio Lower Upper

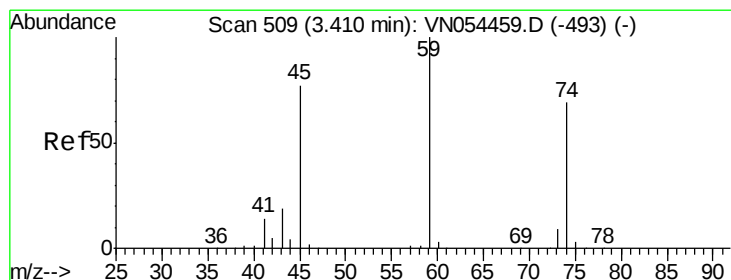
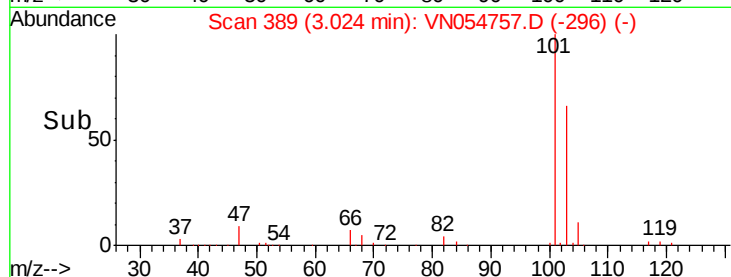
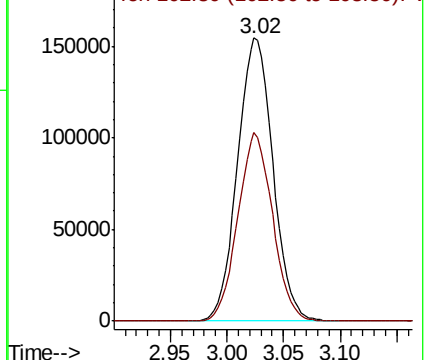
101 100

103 66.4 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 43.957 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

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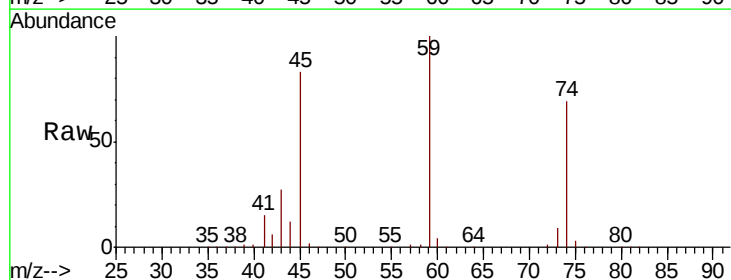
Acq: 28 Mar 2019 20:48

Tgt Ion: 74 Resp: 110223

Ion Ratio Lower Upper

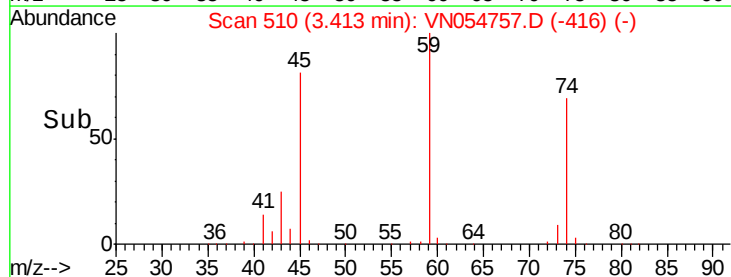
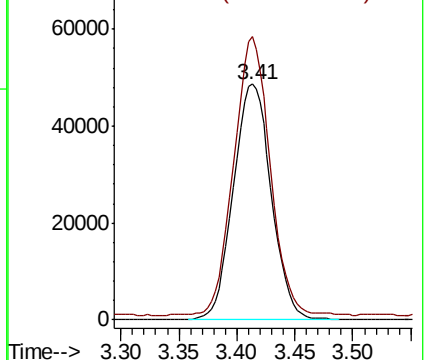
74 100

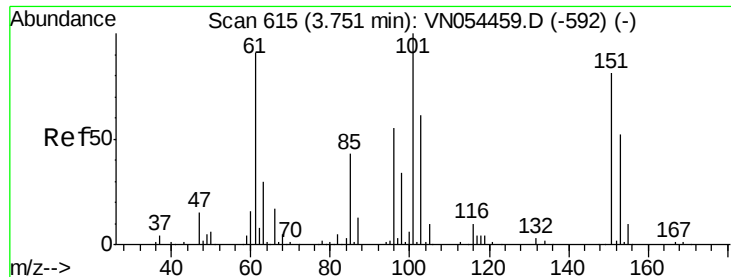
45 114.6 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.203 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

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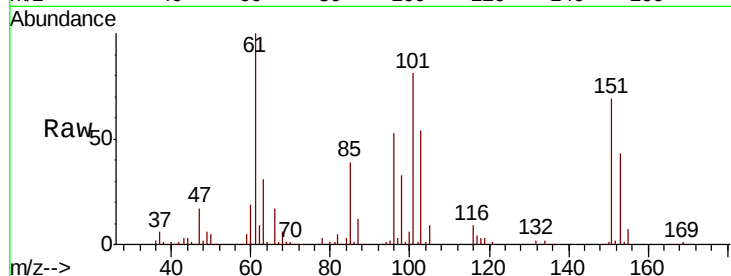
Tot Ion:101 Resp: 173208

Ion Ratio Lower Upper

101 100

85 46.3 32.4 48.6

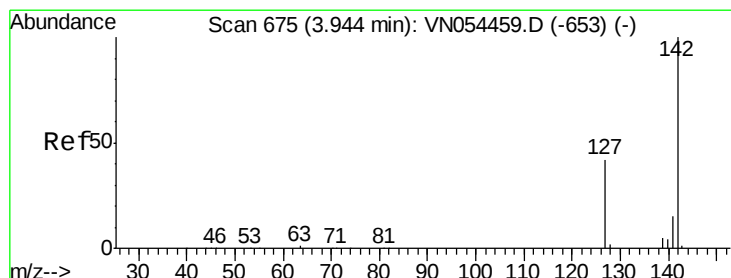
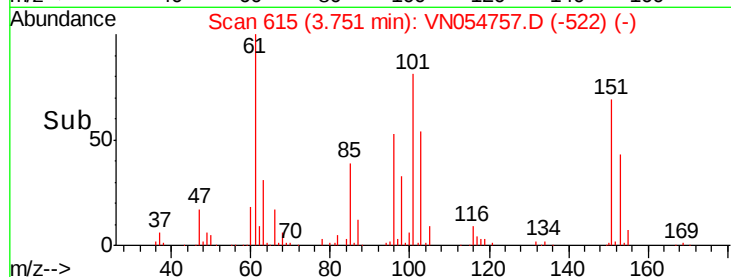
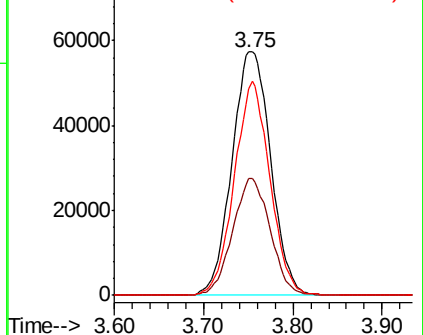
151 80.5 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.725 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

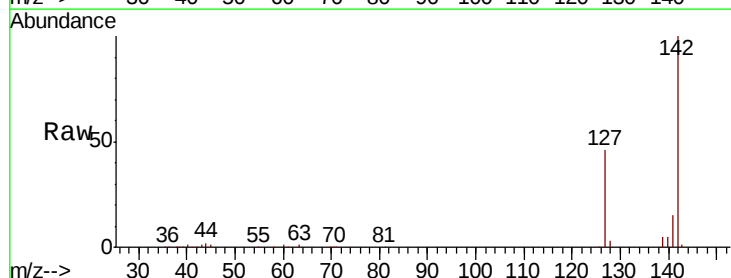
Tgt Ion:142 Resp: 269005

Ion Ratio Lower Upper

142 100

127 46.4 30.3 45.5#

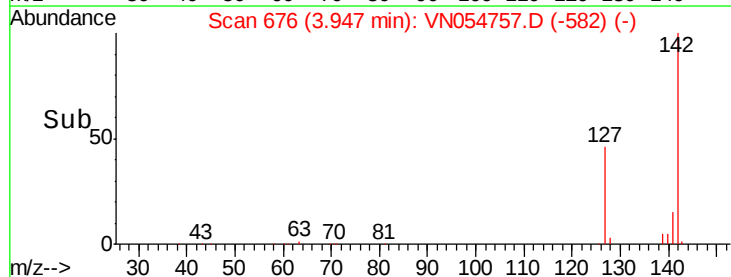
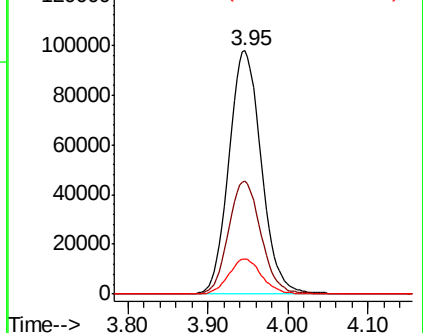
141 14.6 11.2 16.8

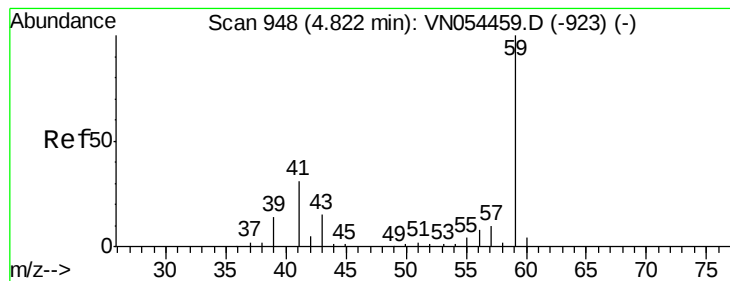


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



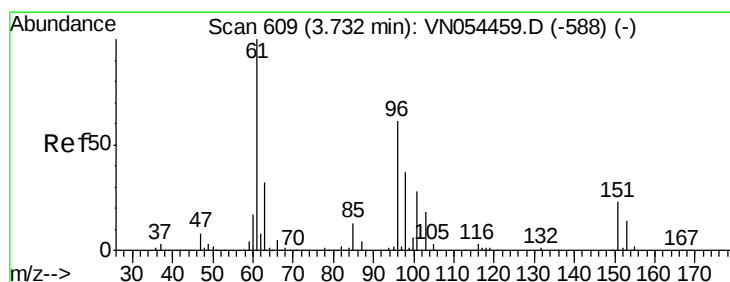
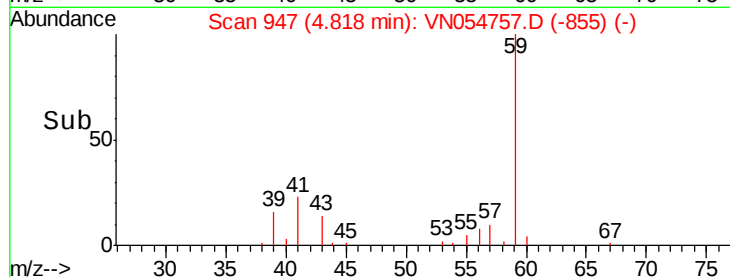
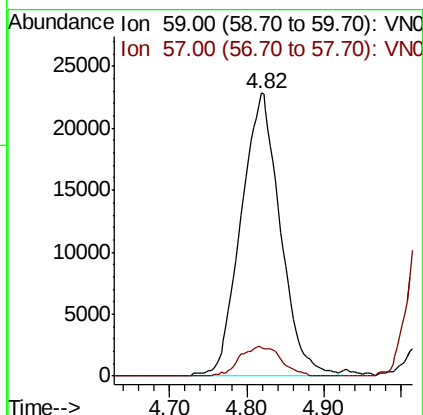
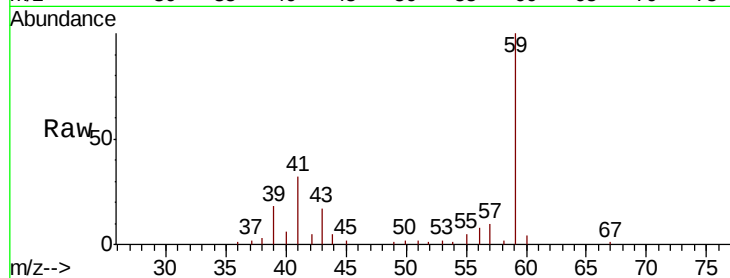


#11

Tert butyl alcohol
 Concen: 261.278 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

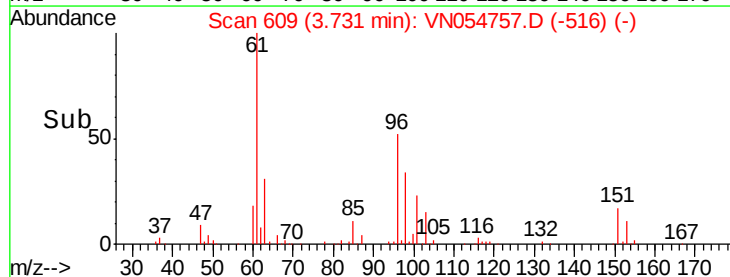
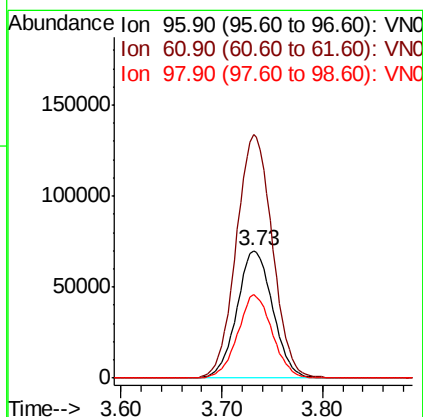
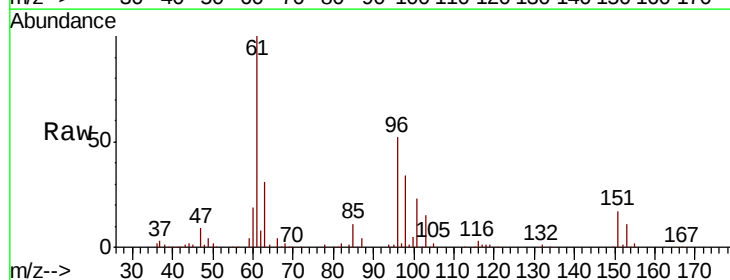
Tot Ion: 59 Resp: 80891
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.6

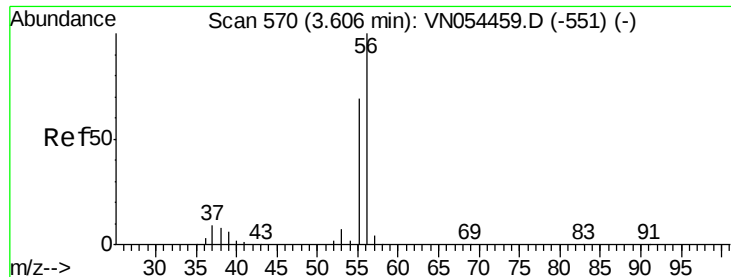


#12

1,1-Dichloroethene
 Concen: 43.460 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion: 96 Resp: 172340
 Ion Ratio Lower Upper
 96 100
 61 191.3 116.5 174.7#
 98 65.3 51.0 76.4

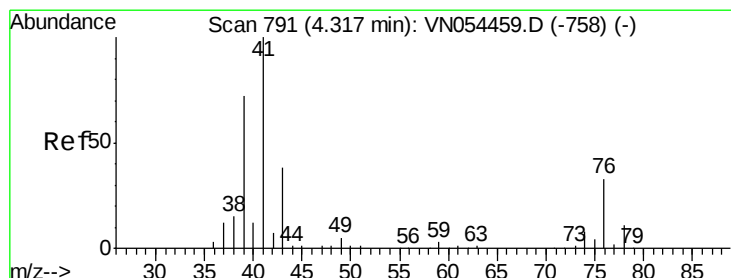
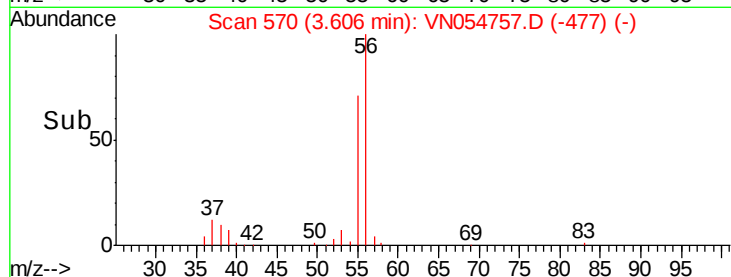
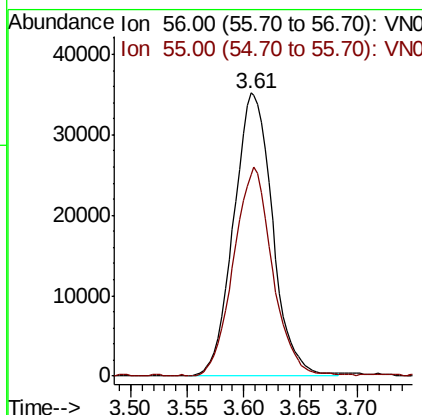
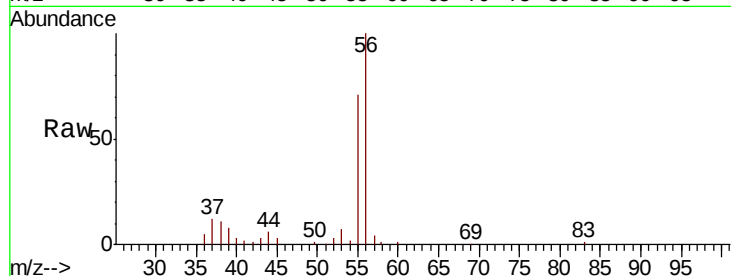




#13
 Acrolein
 Concen: 197.335 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

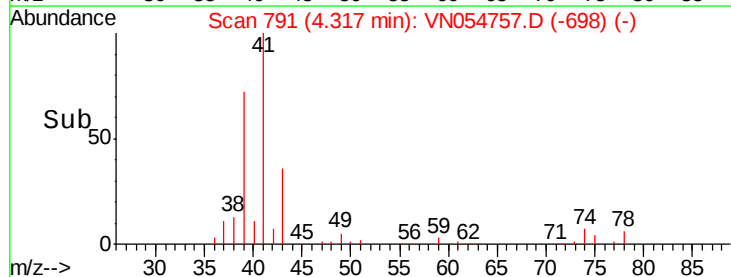
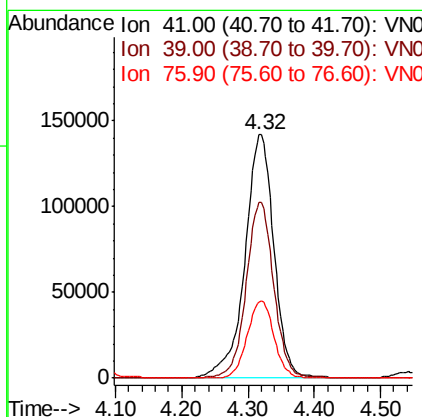
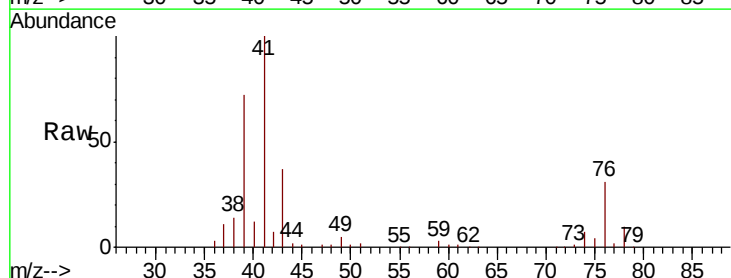
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

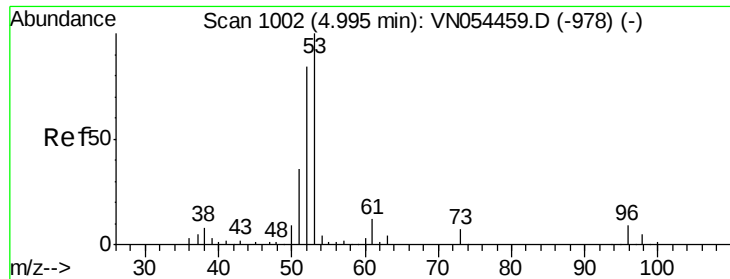
Tot Ion: 56 Resp: 84311
 Ion Ratio Lower Upper
 56 100
 55 73.9 56.7 85.1



#14
 Allyl chloride
 Concen: 57.646 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion: 41 Resp: 430455
 Ion Ratio Lower Upper
 41 100
 39 68.3 58.2 87.4
 76 29.2 31.7 47.5#

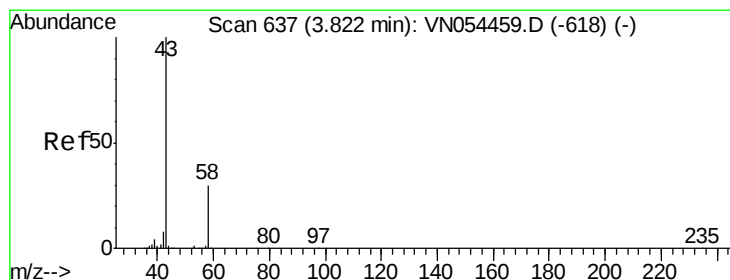
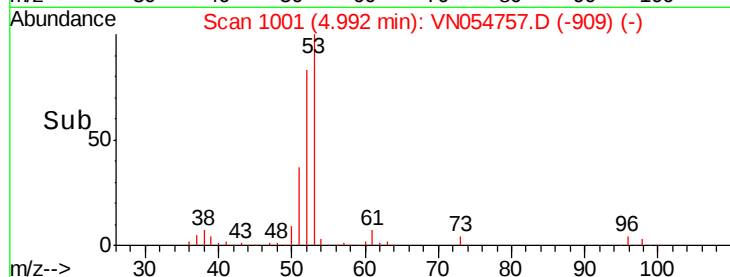
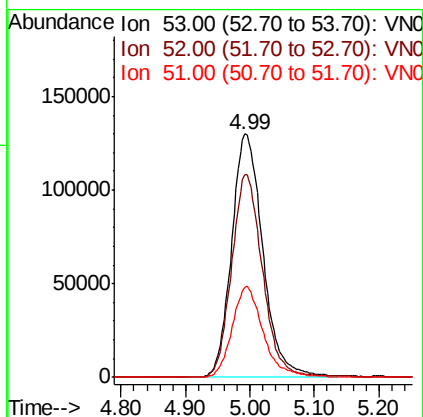
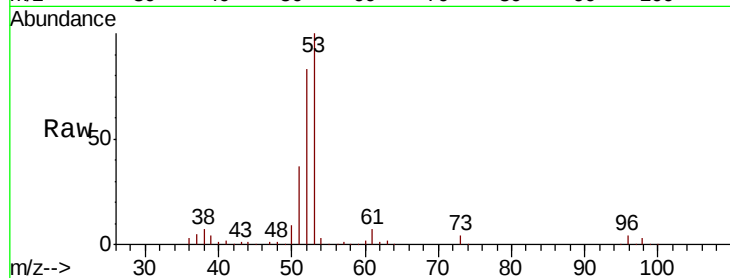




#15
 Acrylonitrile
 Concen: 284.689 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

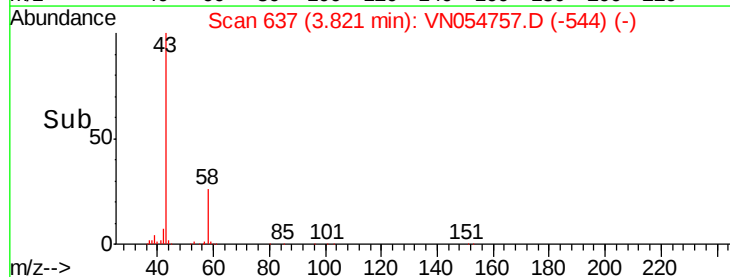
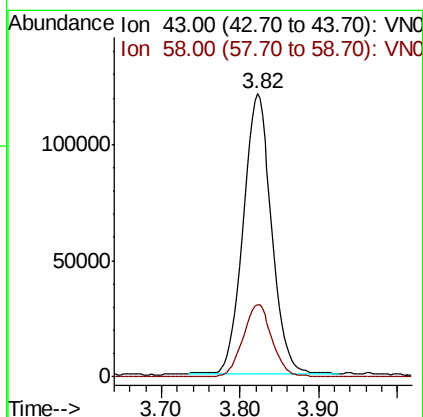
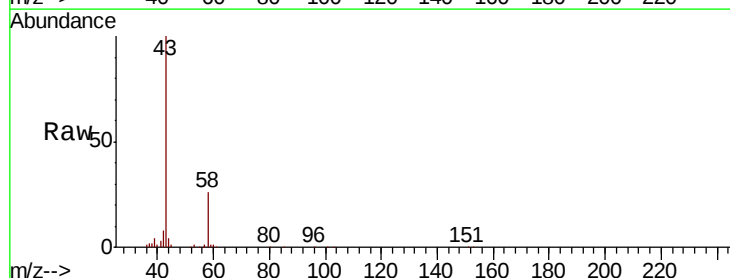
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

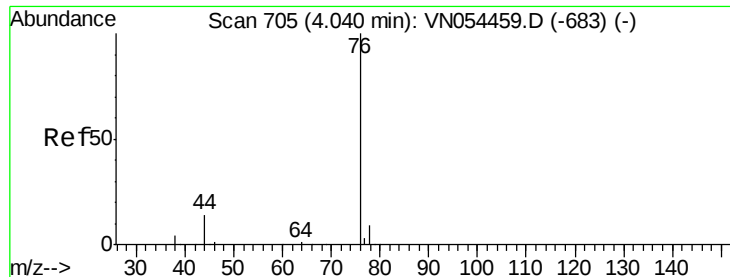
Tot Ion: 53 Resp: 438923
 Ion Ratio Lower Upper
 53 100
 52 81.7 66.4 99.6
 51 37.2 29.6 44.4



#16
 Acetone
 Concen: 198.171 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion: 43 Resp: 304677
 Ion Ratio Lower Upper
 43 100
 58 25.8 29.9 44.9#





#17

Carbon Disulfide

Concen: 52.593 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

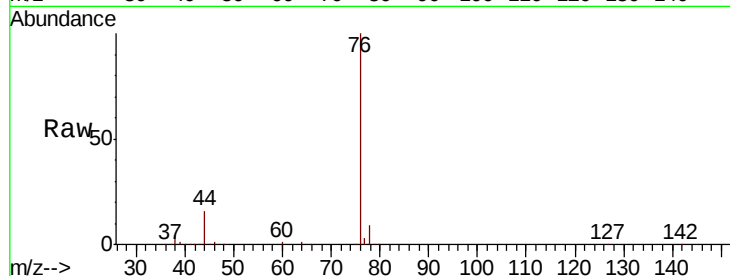
VSTDCCC050EC

Tot Ion: 76 Resp: 558807

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054459.D (-683) (-)

Ion 77.90 (77.60 to 78.60): VN054459.D (-683) (-)

4.04

250000

200000

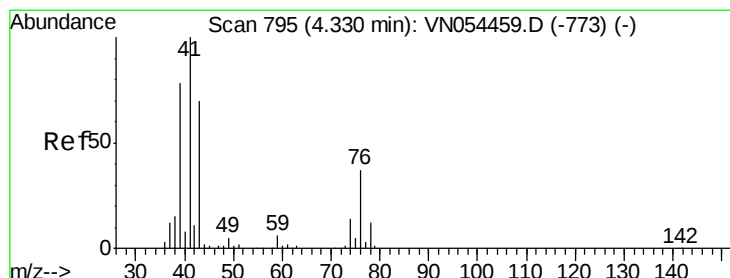
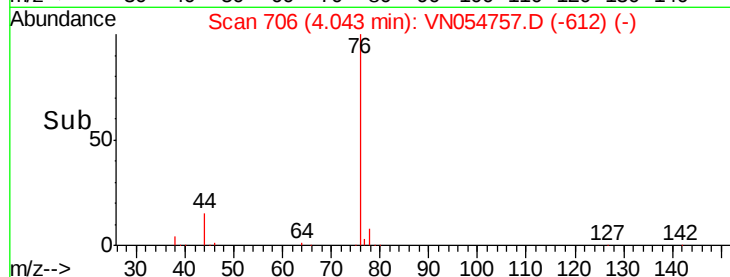
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 57.612 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054757.D

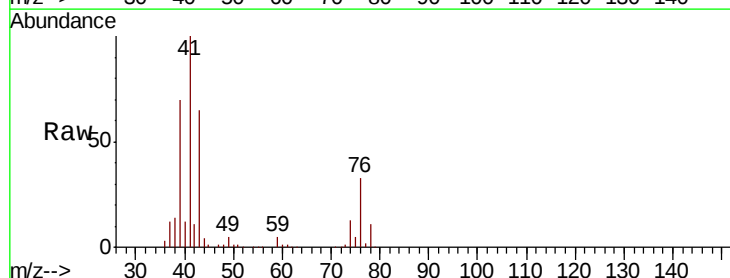
Acq: 28 Mar 2019 20:48

Tgt Ion: 43 Resp: 197427

Ion Ratio Lower Upper

43 100

74 20.5 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN054459.D (-773) (-)

80000

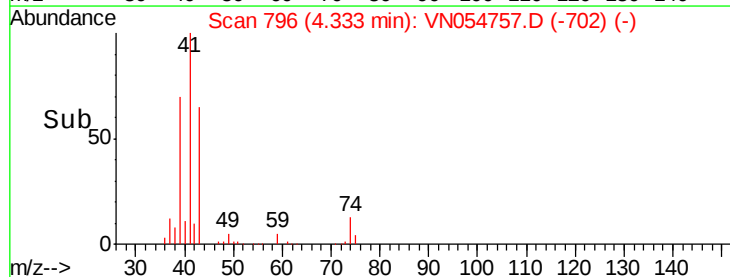
60000

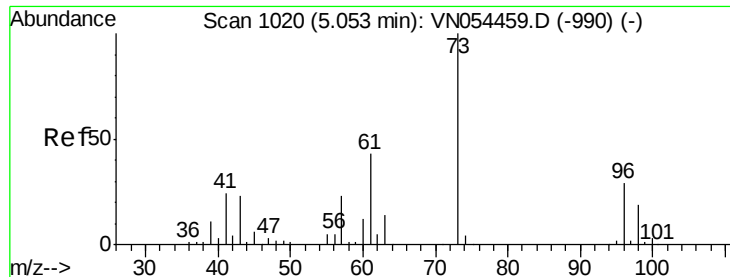
40000

20000

0

Time--> 4.20 4.30 4.40

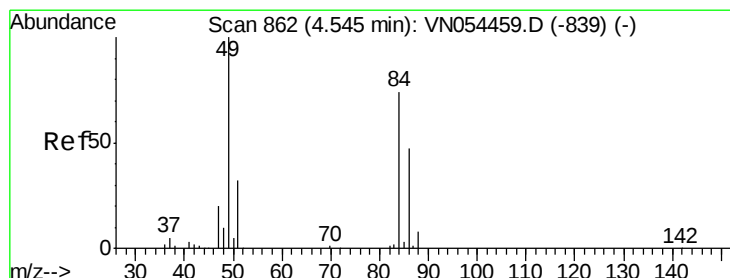
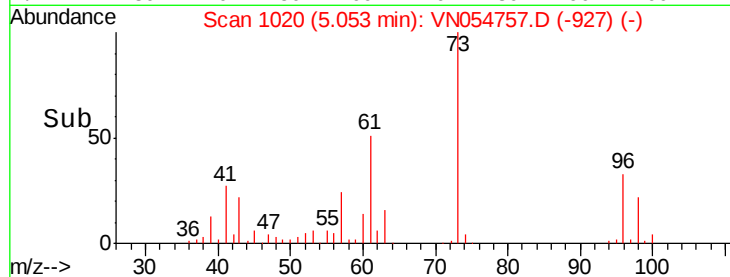
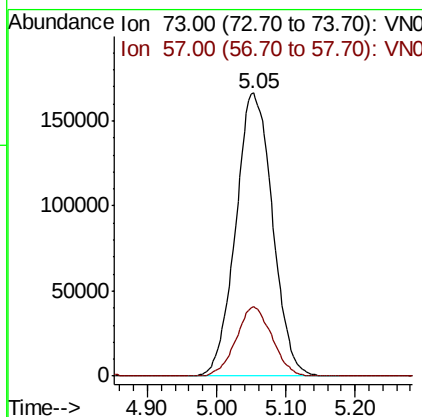
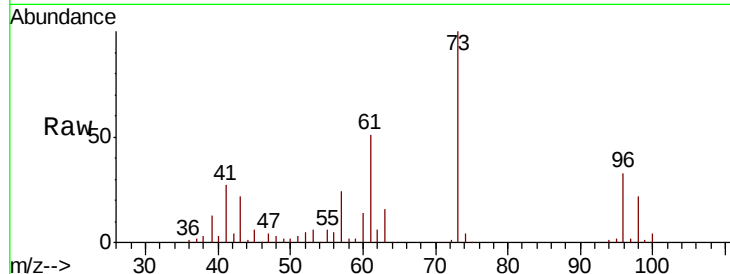




#19
Methvl tert-butvl Ether
Concen: 53.100 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

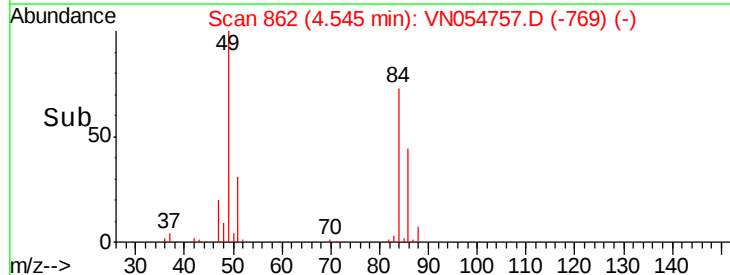
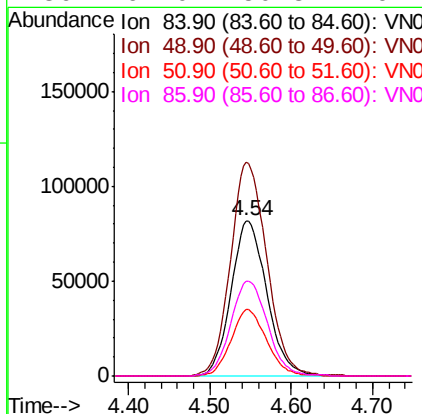
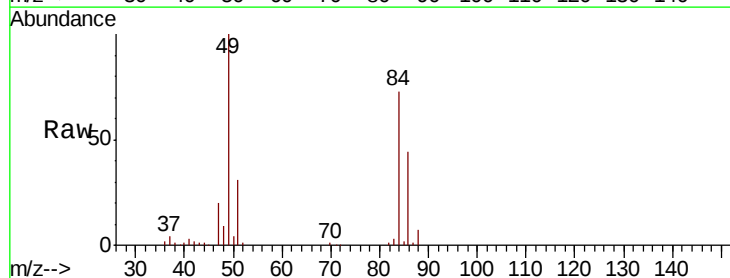
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

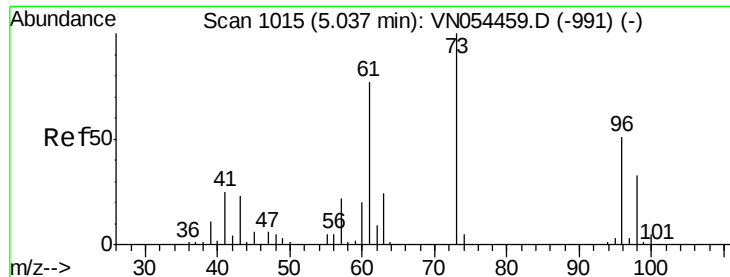
Tot Ion: 73 Resp: 614516
Ion Ratio Lower Upper
73 100
57 24.4 16.8 25.2



#20
Methylene Chloride
Concen: 55.055 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 84 Resp: 249516
Ion Ratio Lower Upper
84 100
49 137.5 89.7 134.5#
51 42.6 28.2 42.4#
86 61.0 50.8 76.2

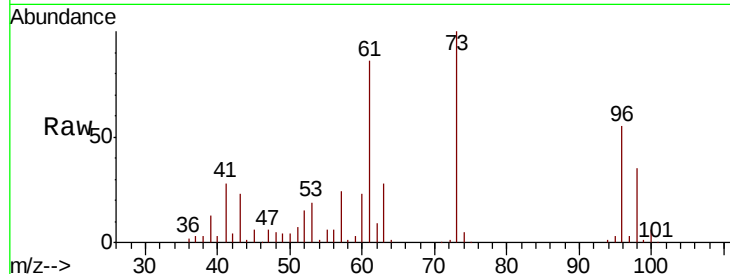




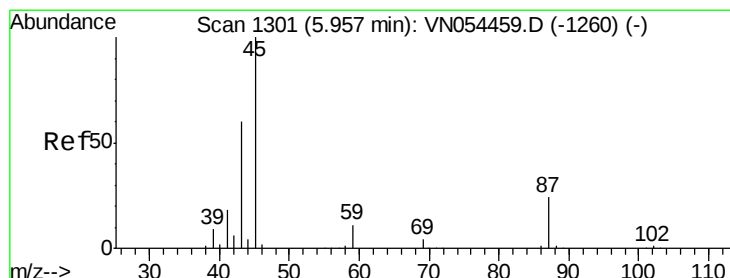
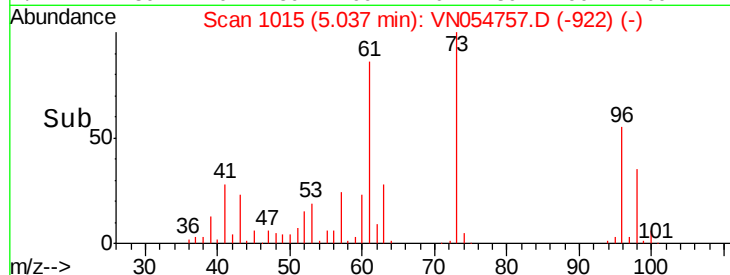
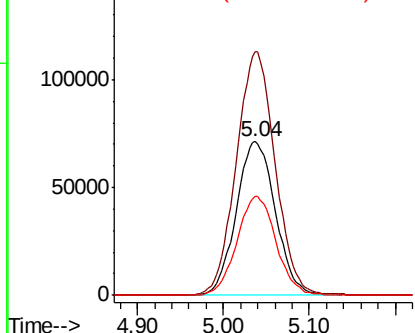
#21
trans-1,2-Dichloroethene
Concen: 55.982 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 226683
Ion Ratio Lower Upper
96 100
61 158.3 102.8 154.2#
98 64.1 50.0 75.0

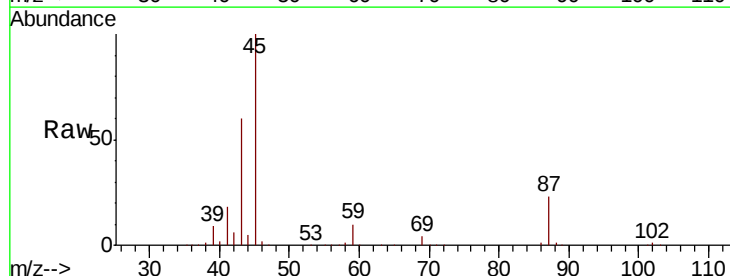


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

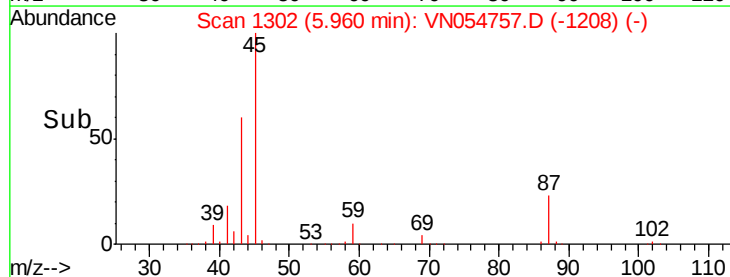
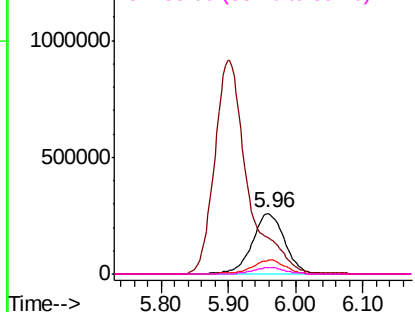


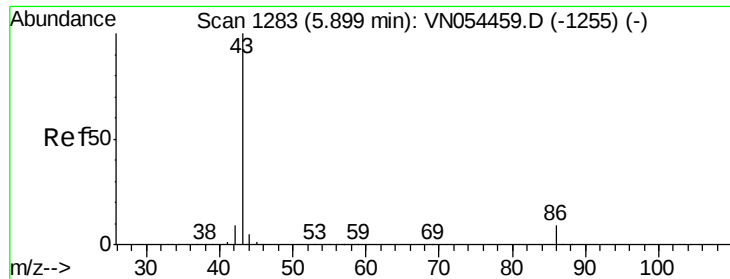
#22
Diisopropyl ether
Concen: 58.876 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 45 Resp: 867187
Ion Ratio Lower Upper
45 100
43 58.2 48.2 72.2
87 22.7 24.9 37.3#
59 10.3 9.5 14.3



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: 301.358 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

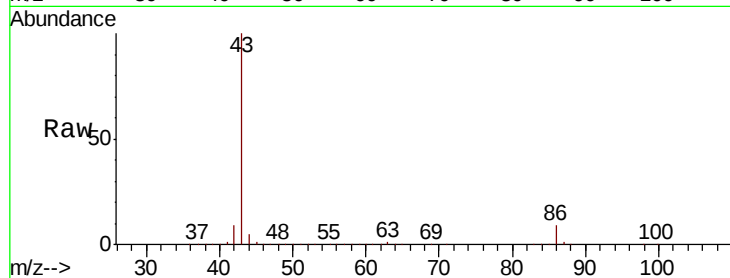
VSTDCCC050EC

Tot Ion: 43 Resp: 3134891

Ion Ratio Lower Upper

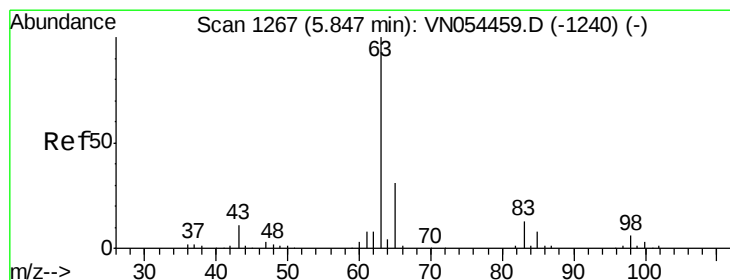
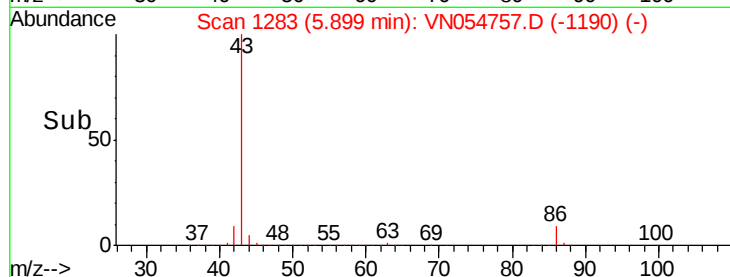
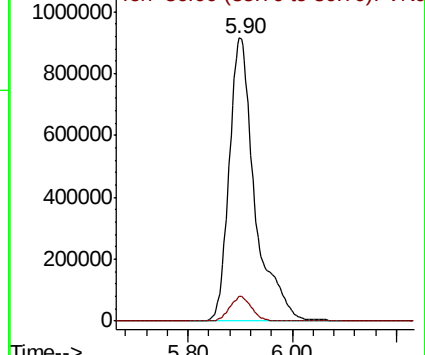
43 100

86 8.6 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 58.004 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

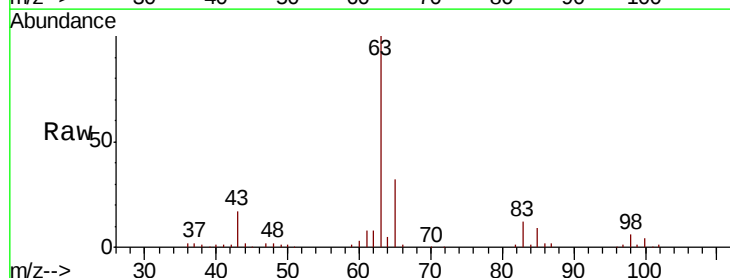
Tgt Ion: 63 Resp: 460000

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

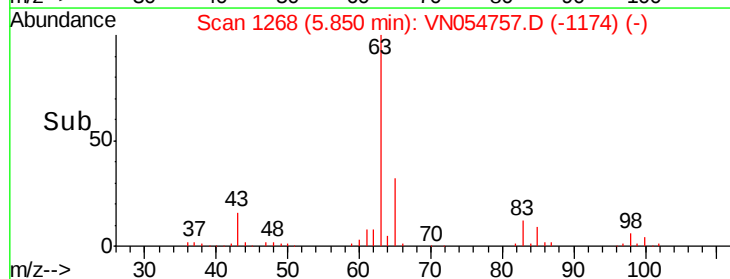
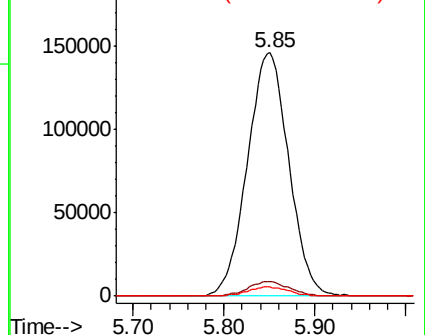
100 3.7 2.0 6.0

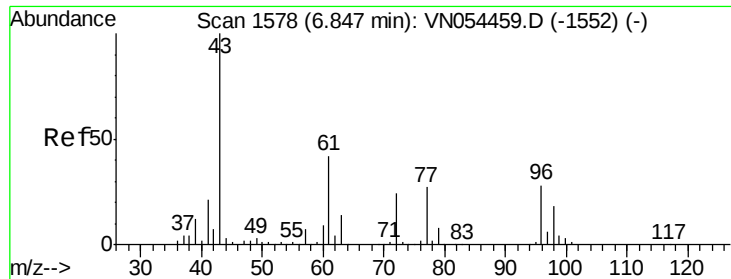


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 274.451 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

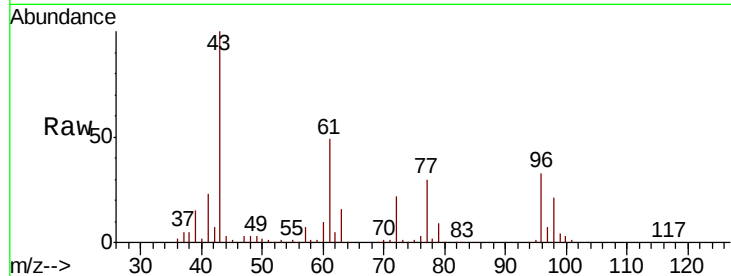
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 540523

Ion Ratio Lower Upper

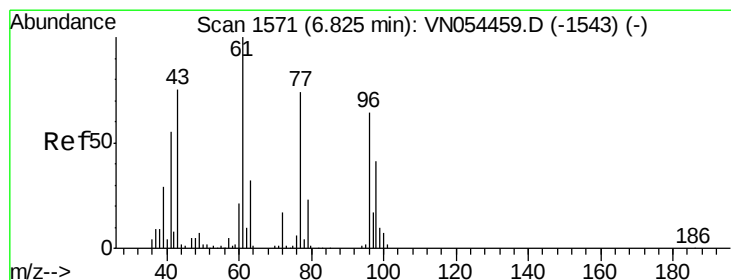
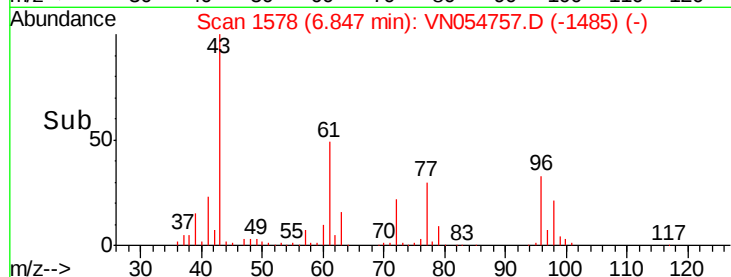
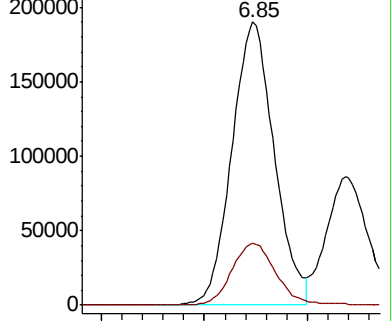
43 100

72 21.8 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 54.204 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054757.D

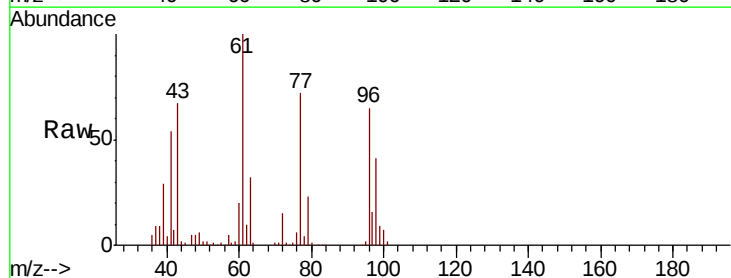
Acq: 28 Mar 2019 20:48

Tgt Ion: 77 Resp: 306427

Ion Ratio Lower Upper

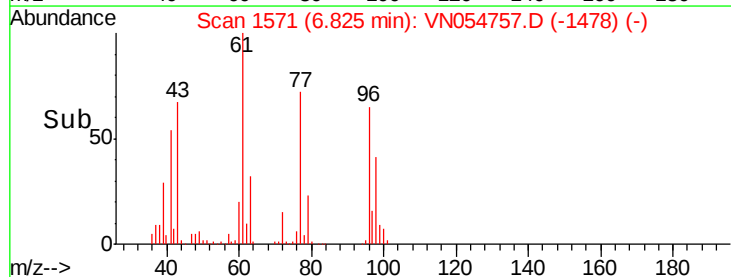
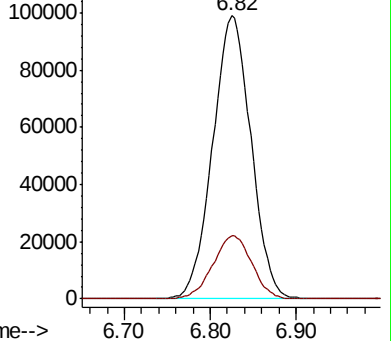
77 100

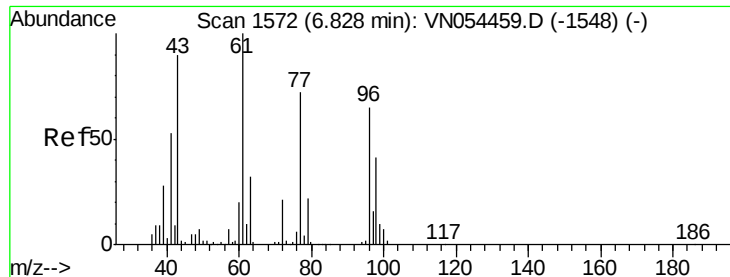
97 22.8 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 54.523 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

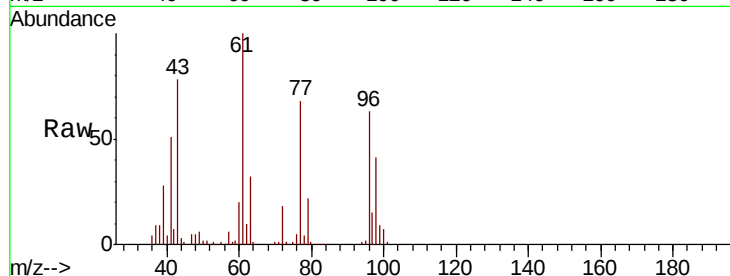
Tot Ion: 96 Resp: 263333

Ion Ratio Lower Upper

96 100

61 157.3 0.0 273.0

98 63.8 0.0 130.6

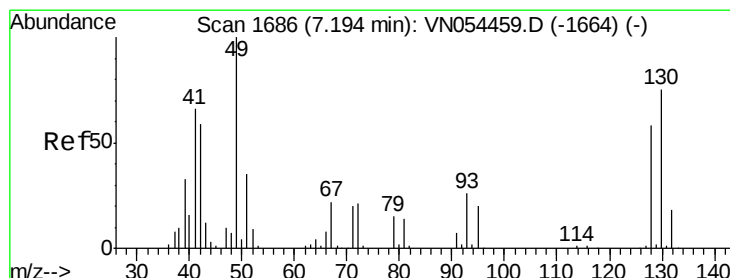
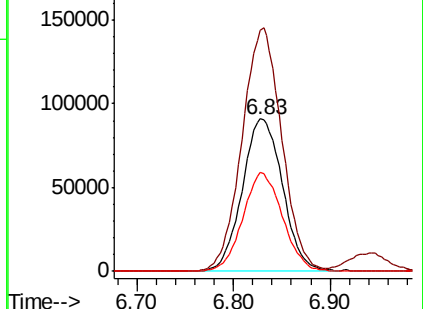
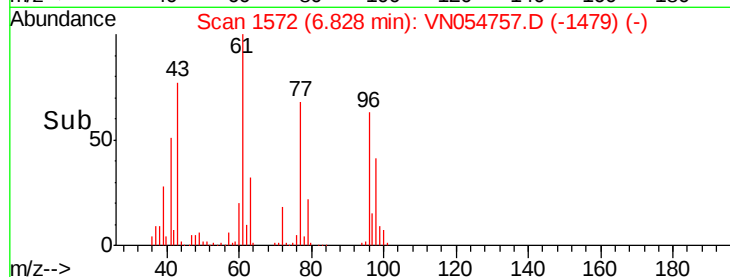


Abundance Ion 95.90 (95.60 to 96.60): VN054459.D (-1548) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-1548) (-)

Ion 97.90 (97.60 to 98.60): VN054459.D (-1548) (-)

Time-->



#28

Bromochloromethane

Concen: 54.434 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

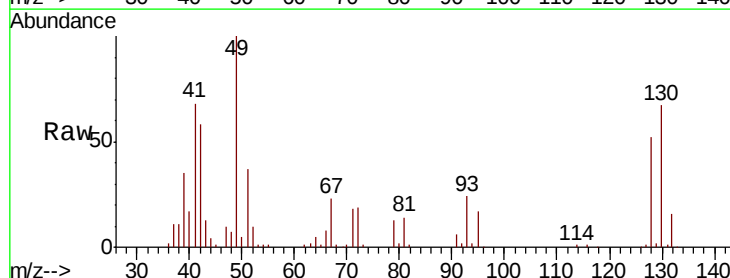
Tgt Ion: 49 Resp: 212488

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

130 65.9 76.7 115.1#

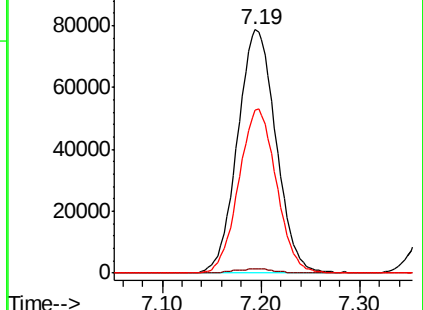
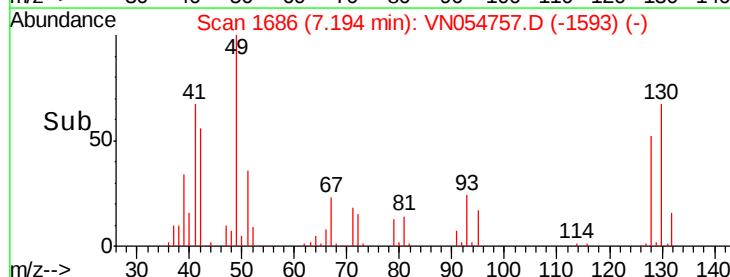


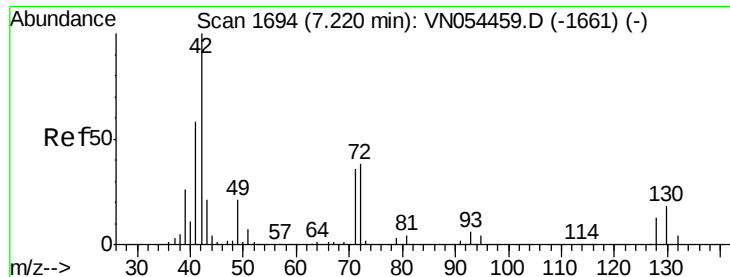
Abundance Ion 48.90 (48.60 to 49.60): VN054459.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN054459.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN054459.D (-1664) (-)

Time-->

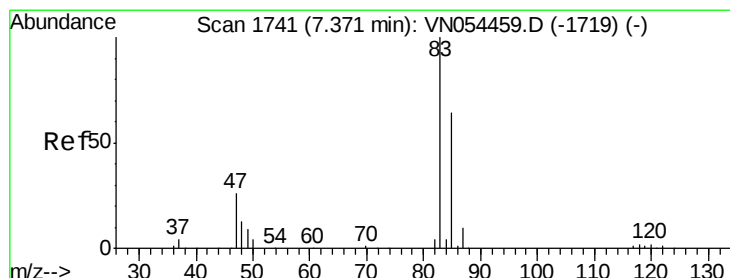
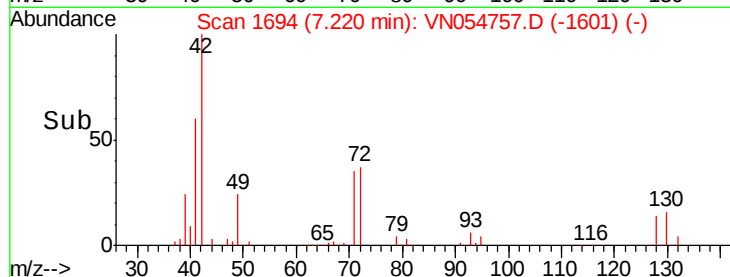
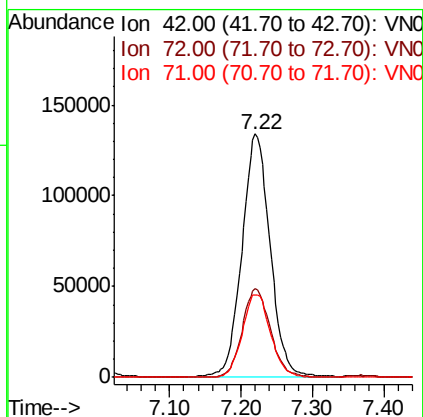
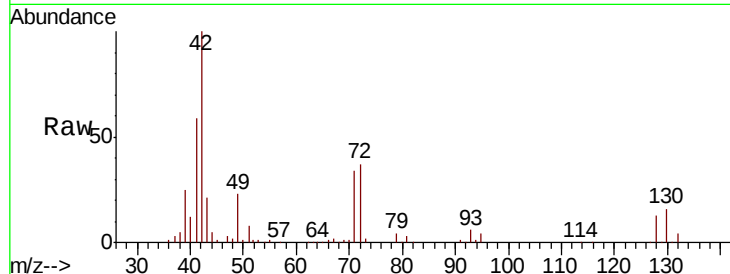




#29
Tetrahydrofuran
Concen: 286.527 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

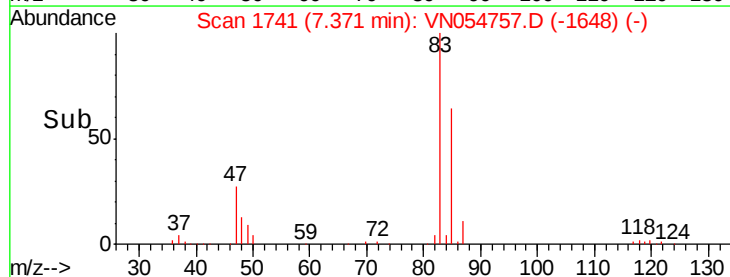
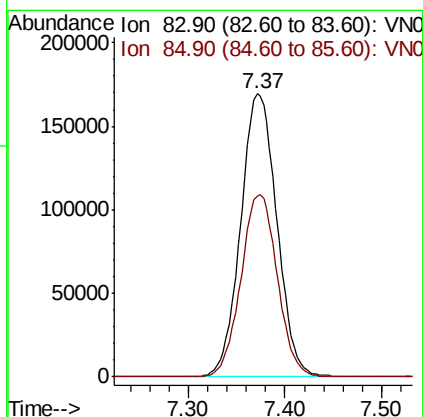
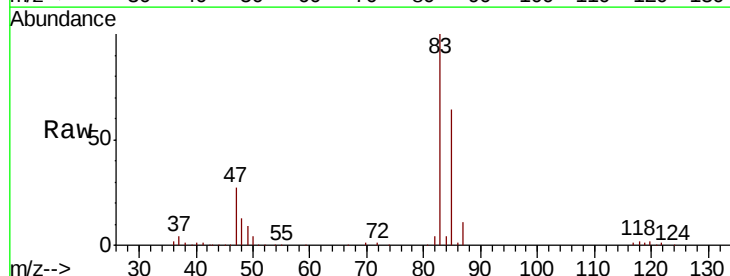
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

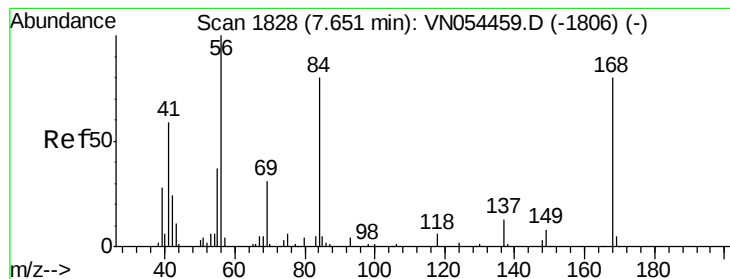
Tot Ion: 42 Resp: 366198
Ion Ratio Lower Upper
42 100
72 36.8 37.8 56.6#
71 34.5 36.2 54.2#



#30
Chloroform
Concen: 56.880 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 83 Resp: 440218
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.4





#31

Cyclohexane

Concen: 57.688 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

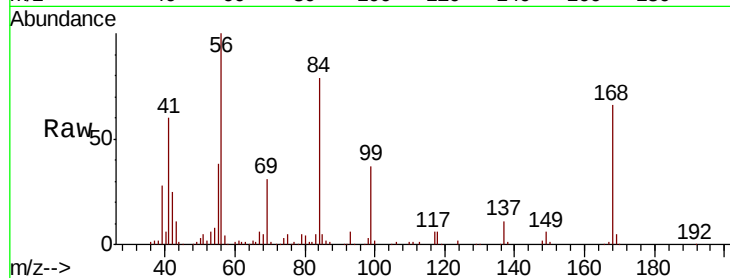
Tot Ion: 56 Resp: 436204

Ion Ratio Lower Upper

56 100

69 30.9 27.8 41.6

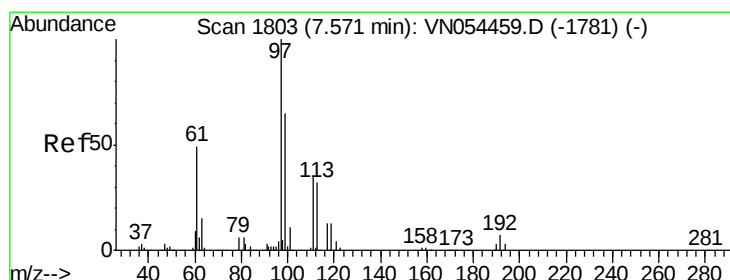
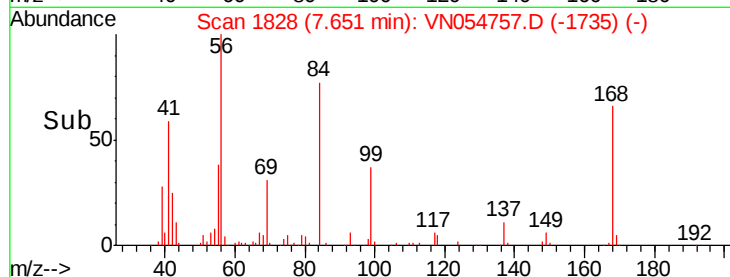
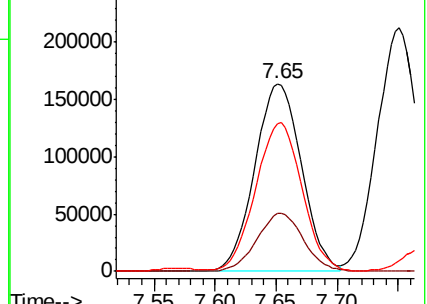
84 77.2 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN054459.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 57.563 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

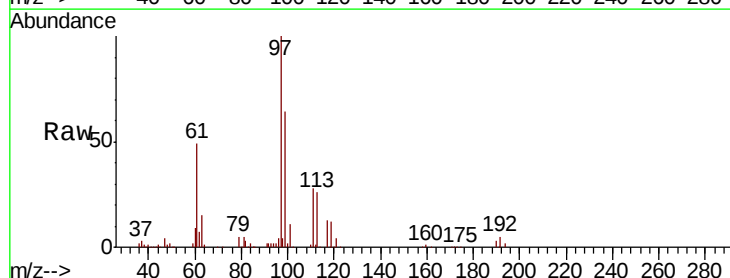
Tgt Ion: 97 Resp: 367546

Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

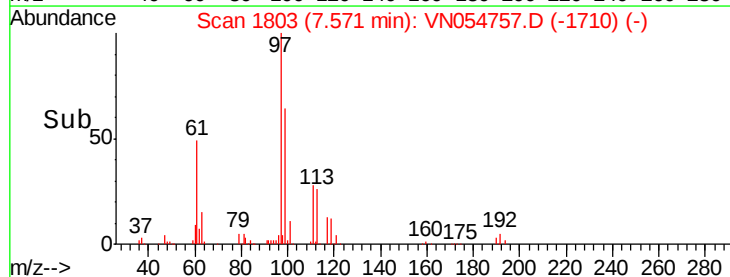
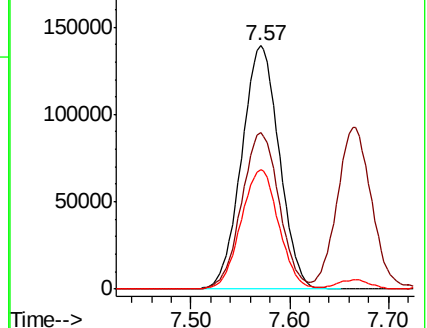
61 49.2 33.6 50.4

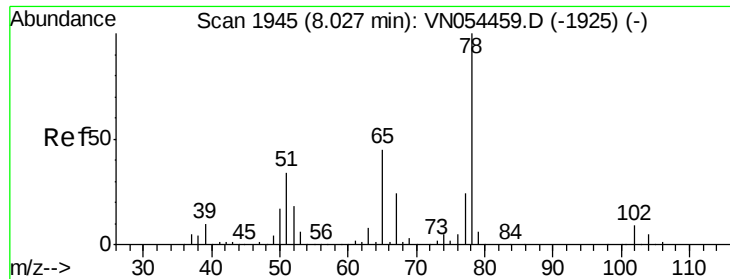


Abundance Ion 96.90 (96.60 to 97.60): VN054459.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN054459.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-1781) (-)

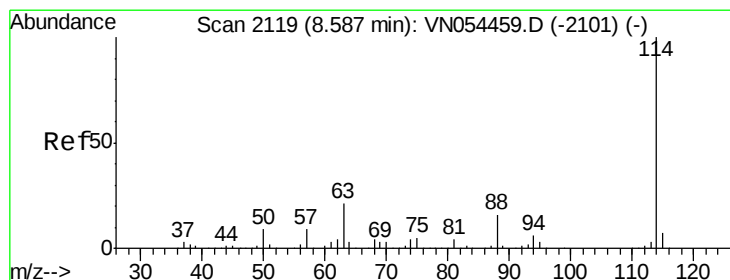
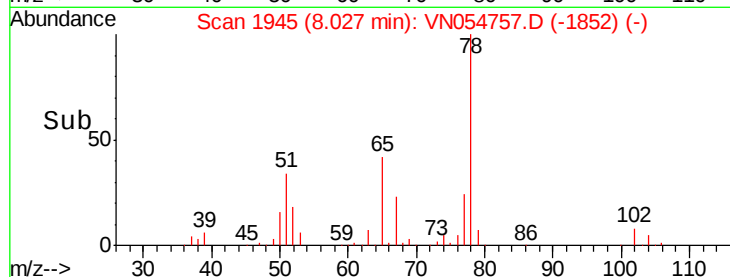
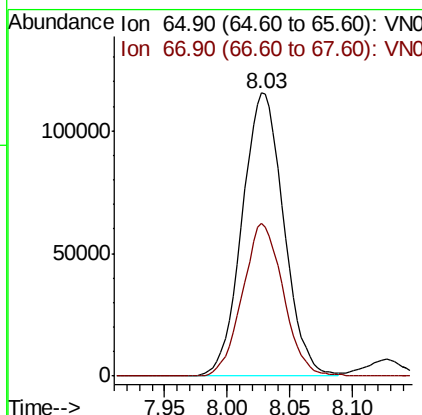
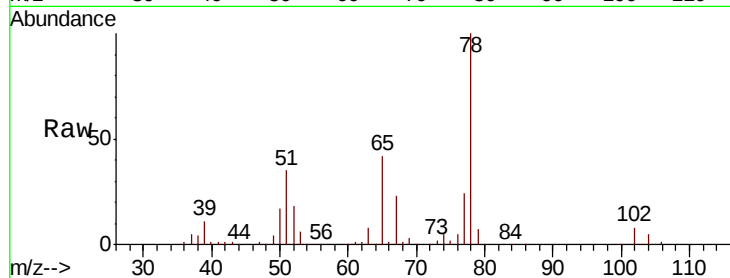




#33
 1,2-Dichloroethane-d4
 Concen: 52.135 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

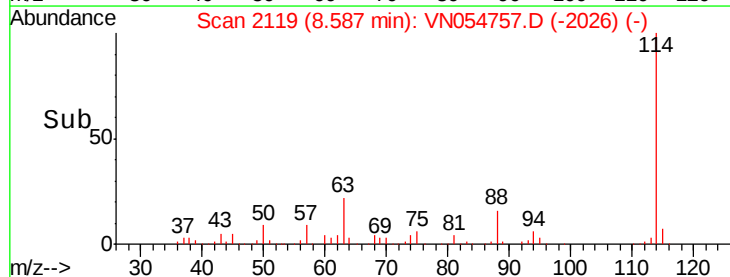
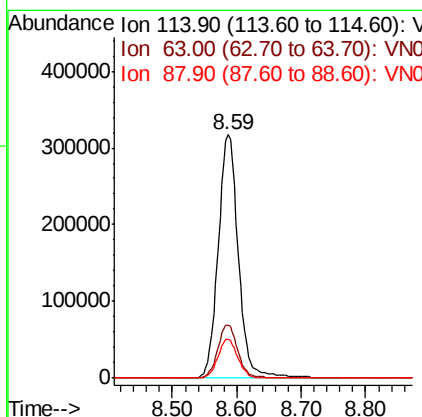
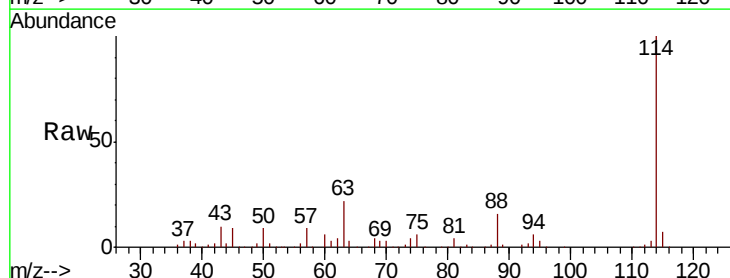
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

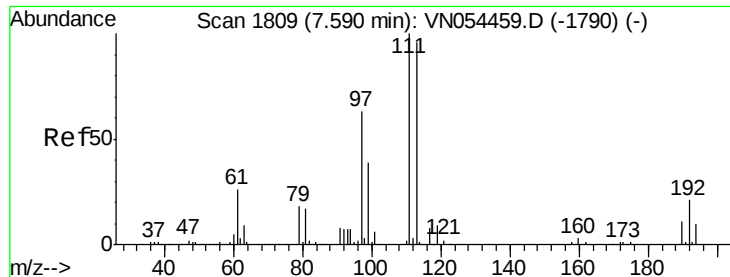
Tot Ion: 65 Resp: 266603
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion: 114 Resp: 692738
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 16.0 0.0 30.2

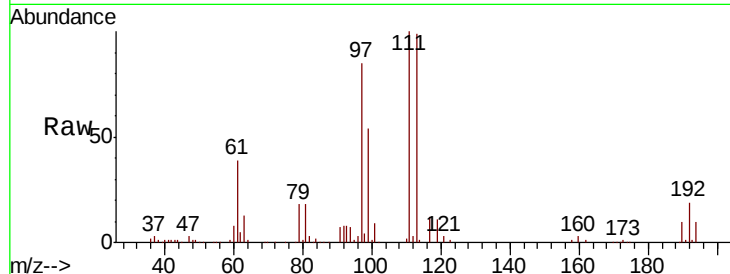




#35
 Dibromofluoromethane
 Concen: 48.536 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	20.6	19.2	28.8

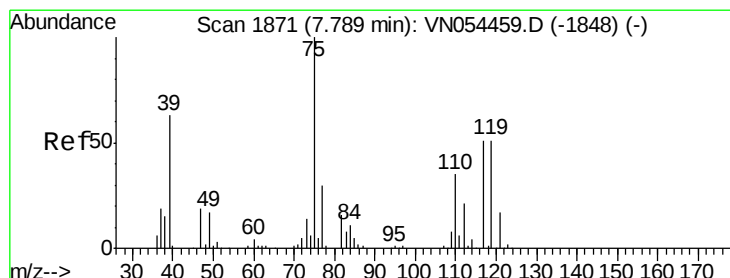
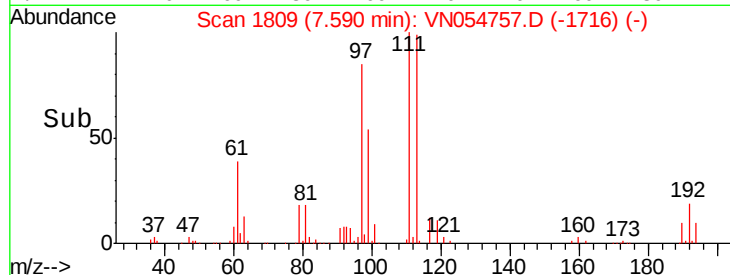
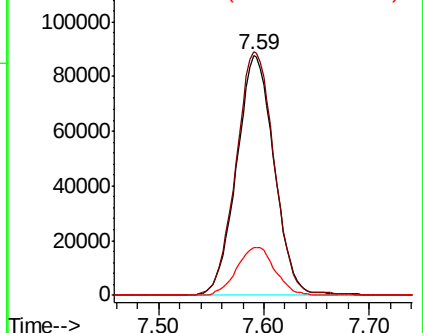


Abundance

Ion 112.80 (112.50 to 113.50): V

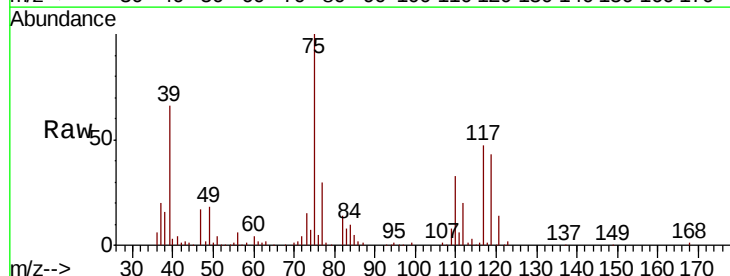
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 52.552 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	19.1	57.5
77	29.9	25.0	37.4

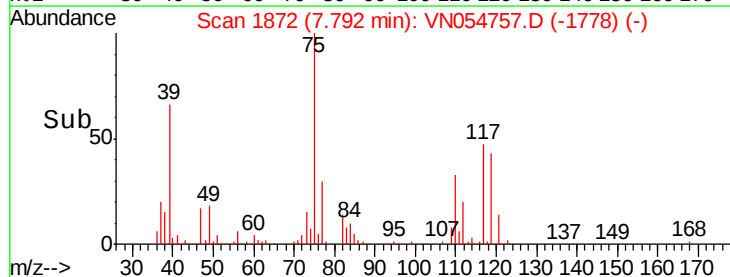
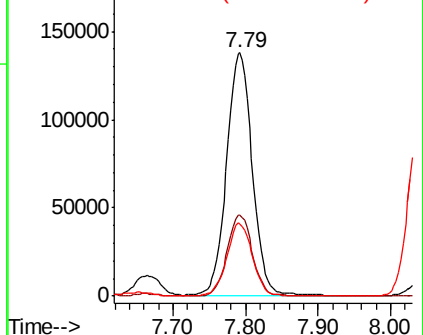


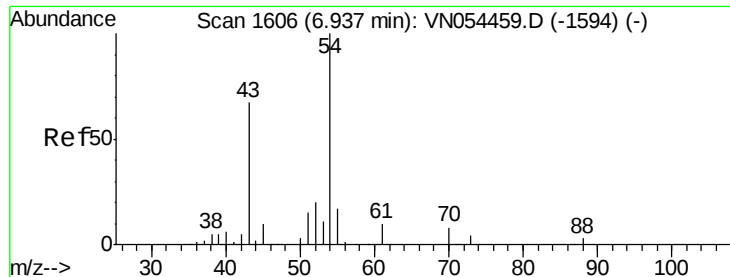
Abundance

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

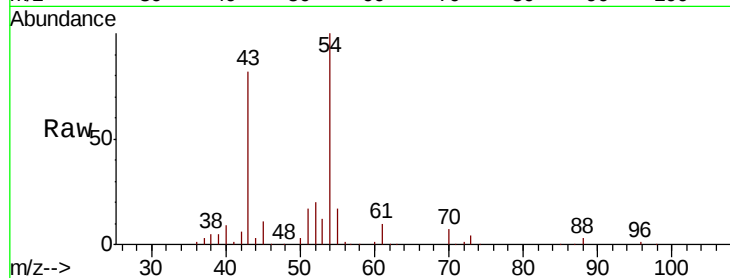




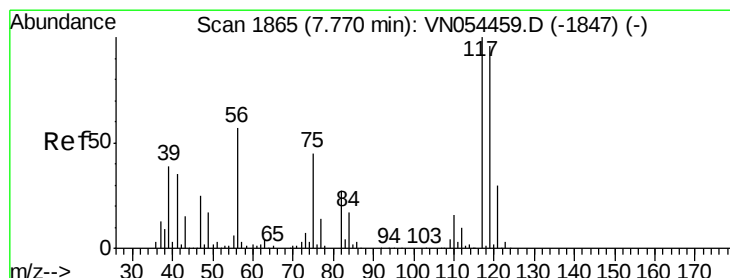
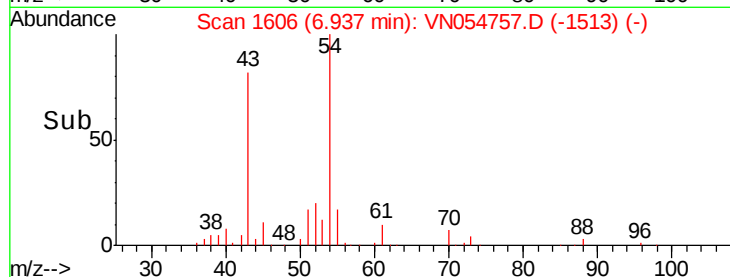
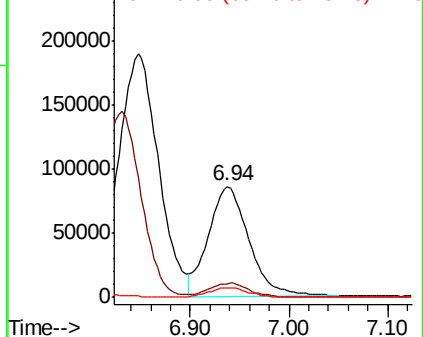
#37
Ethyl Acetate
Concen: 53.316 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 245617
Ion Ratio Lower Upper
43 100
61 12.7 11.8 17.6
70 8.7 8.4 12.6

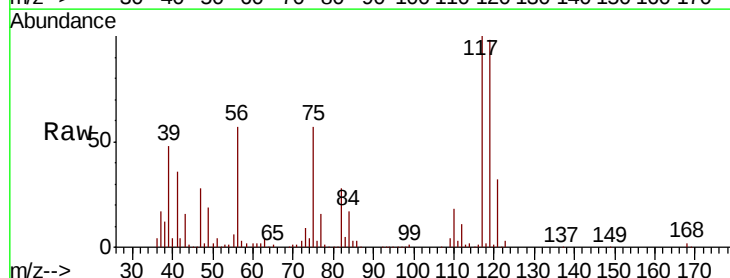


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

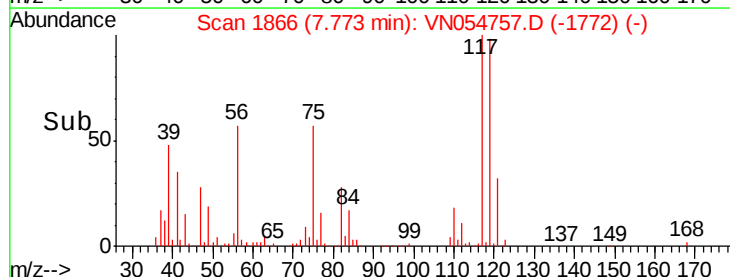
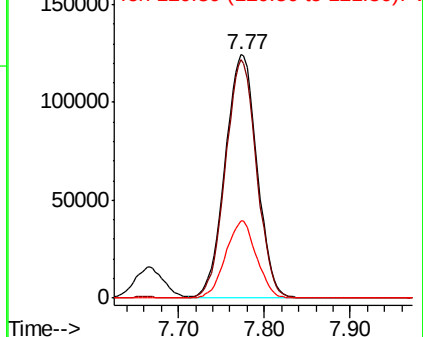


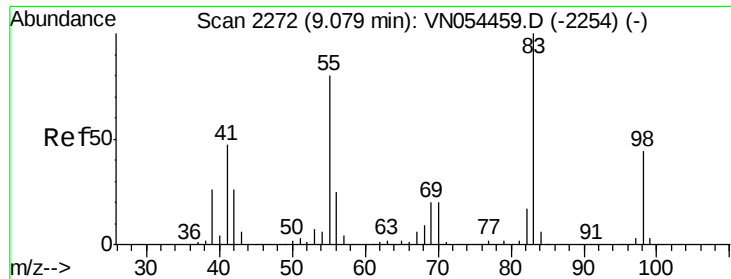
#38
Carbon Tetrachloride
Concen: 50.927 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 117 Resp: 320549
Ion Ratio Lower Upper
117 100
119 97.8 76.3 114.5
121 31.5 24.6 36.8



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

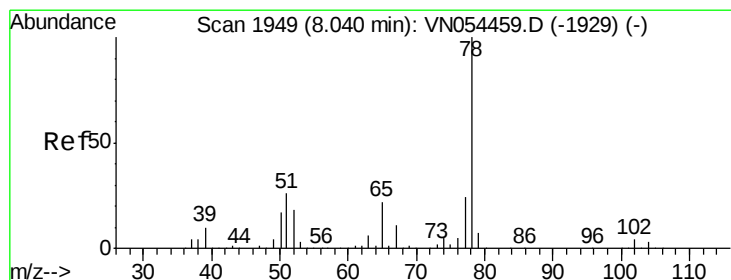
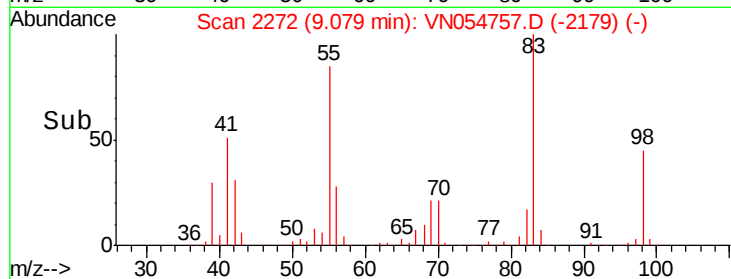
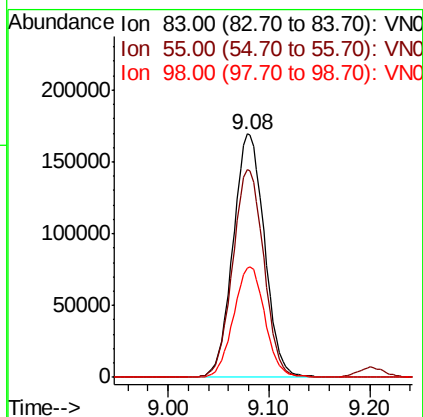
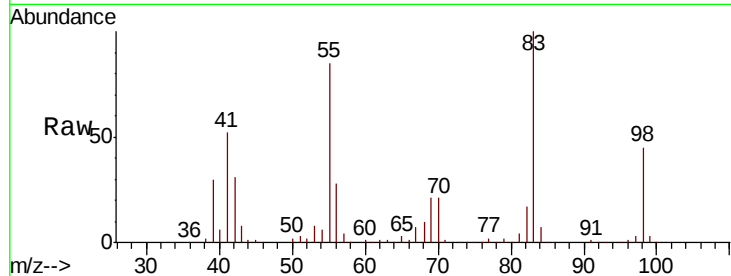




#39
Methvlcvclohexane
Concen: 49.372 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

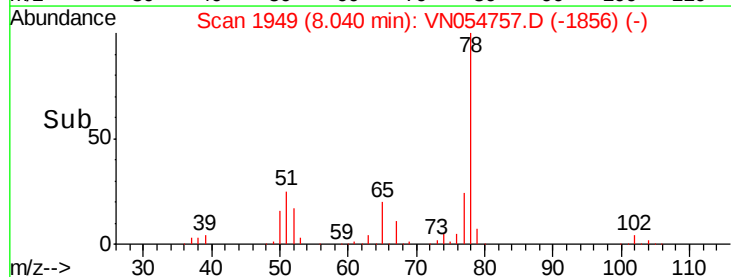
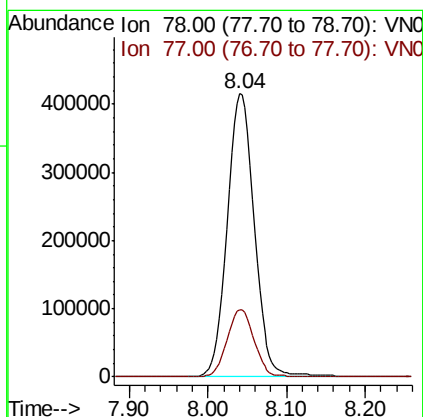
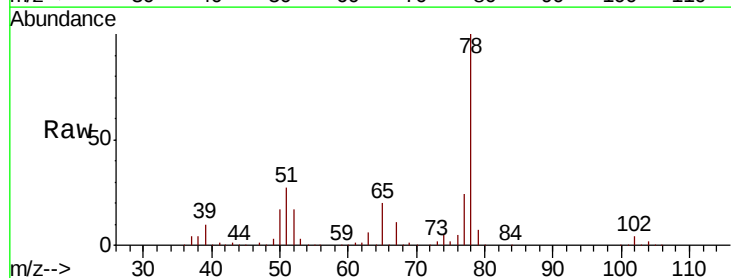
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 365807
Ion Ratio Lower Upper
83 100
55 85.4 56.6 84.8#
98 44.7 38.4 57.6



#40
Benzene
Concen: 53.584 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 78 Resp: 992466
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

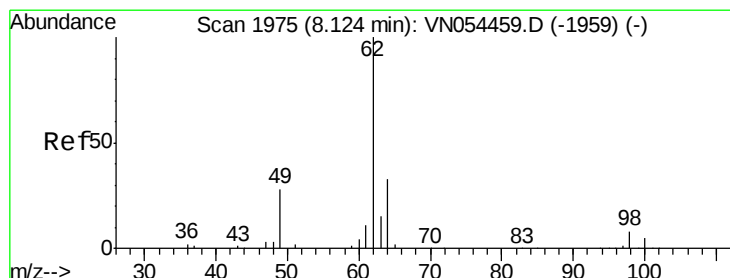
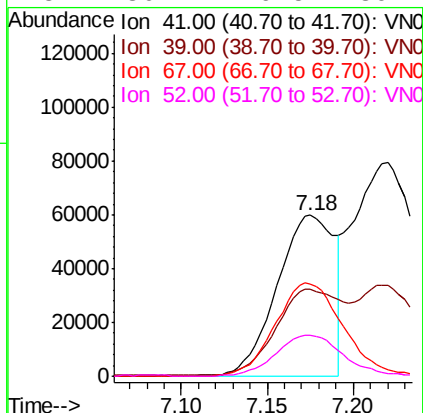
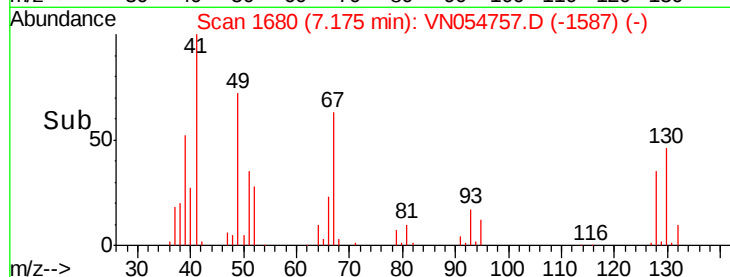
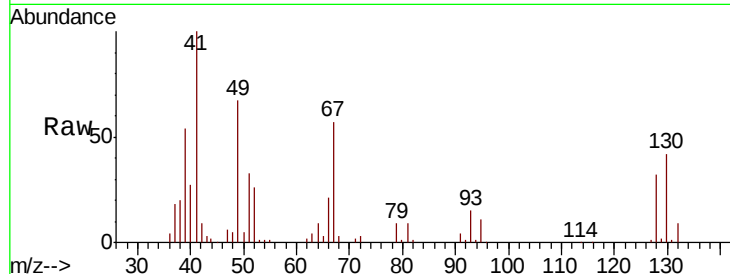




#41
Methacrylonitrile
Concen: 49.489 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

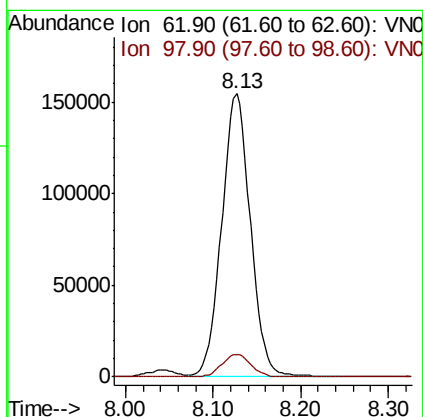
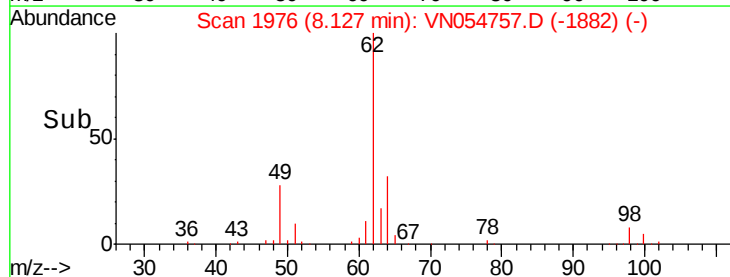
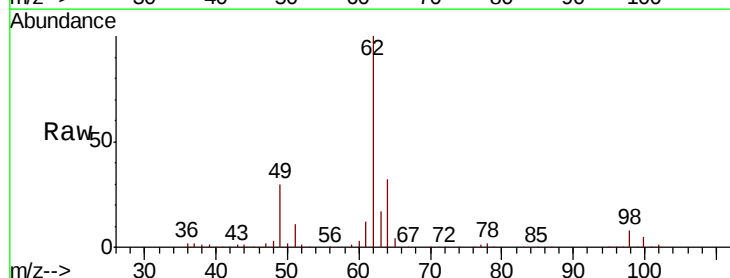
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

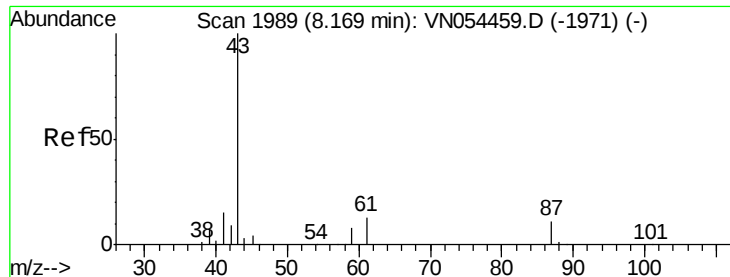
Tot Ion: 41 Resp: 139036
Ion Ratio Lower Upper
41 100
39 62.3 46.8 70.2
67 68.8 67.0 100.4
52 30.2 26.5 39.7



#42
1,2-Dichloroethane
Concen: 52.044 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 62 Resp: 351050
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 55.356 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

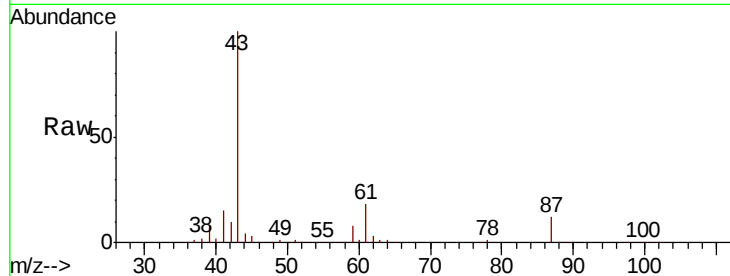
Tot Ion: 43 Resp: 430677

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.8

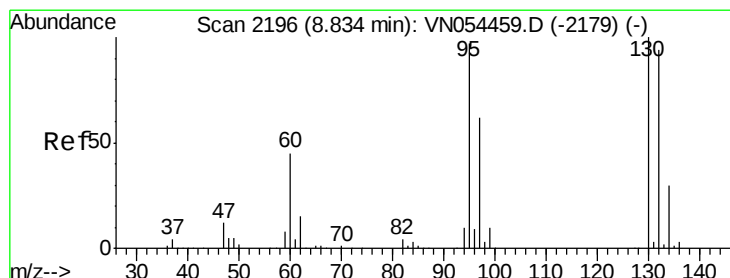
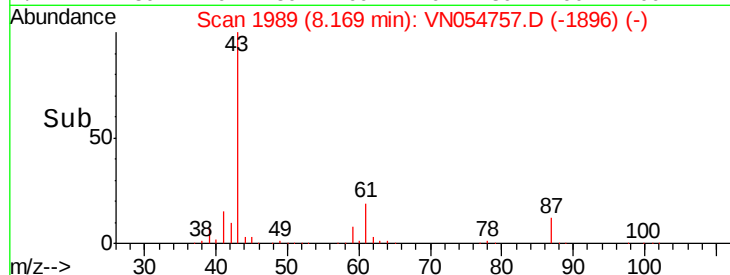
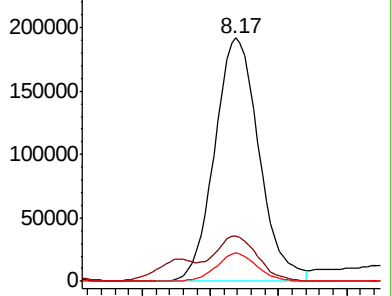
87 10.7 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 49.458 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054757.D

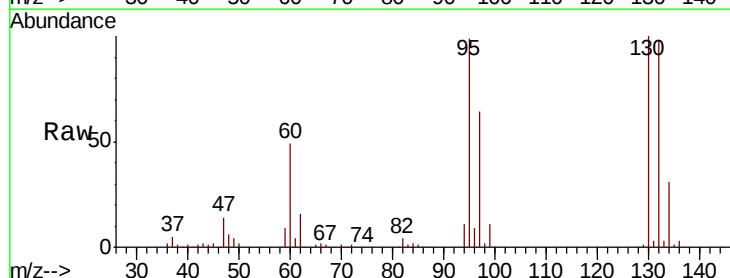
Acq: 28 Mar 2019 20:48

Tgt Ion:130 Resp: 254680

Ion Ratio Lower Upper

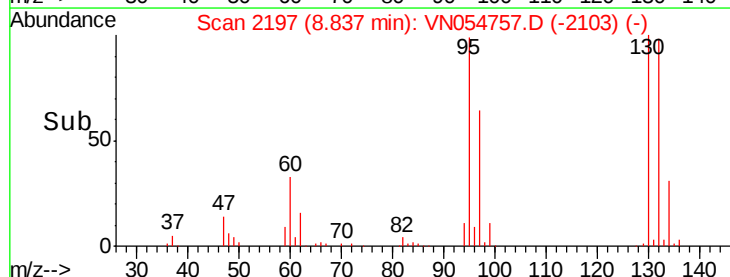
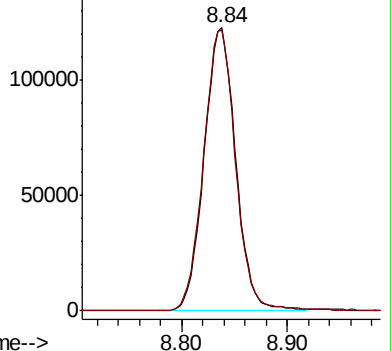
130 100

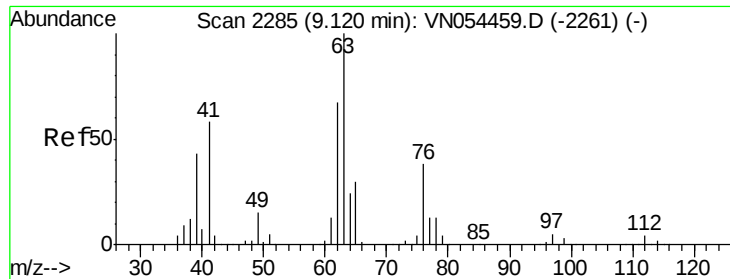
95 99.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 56.297 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

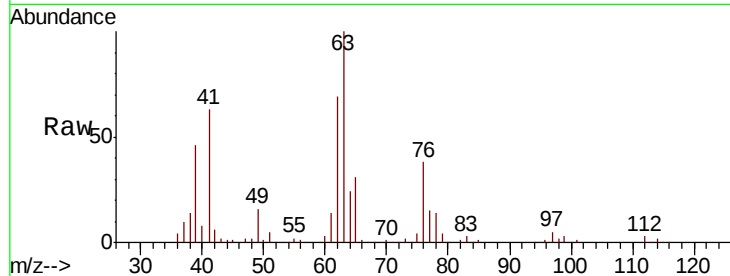
VSTDCCC050EC

Tot Ion: 63 Resp: 279991

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

150000

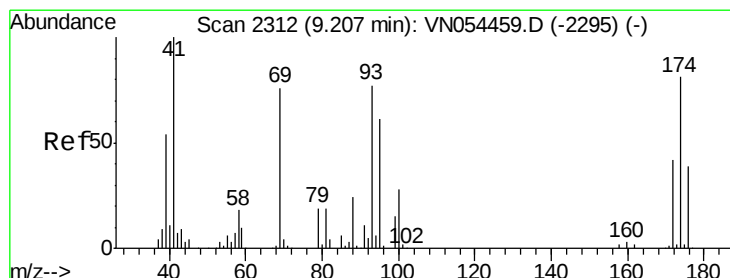
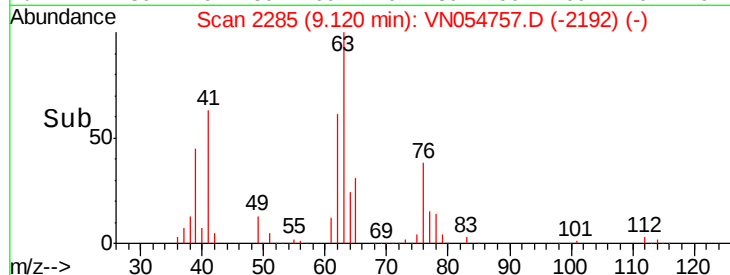
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 52.962 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

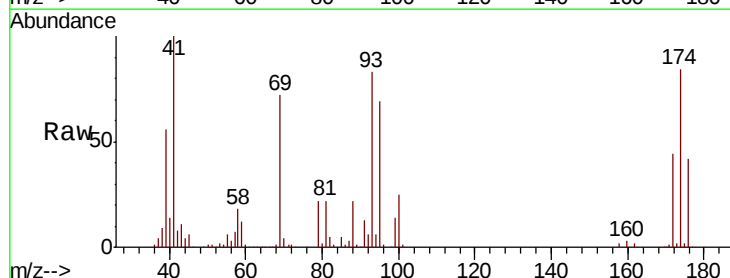
Tgt Ion: 93 Resp: 157140

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

174 101.5 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

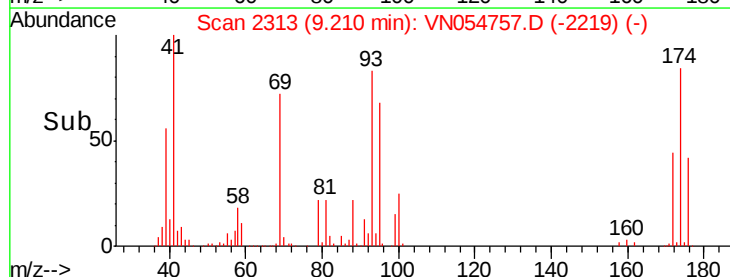
40000

20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 54.401 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

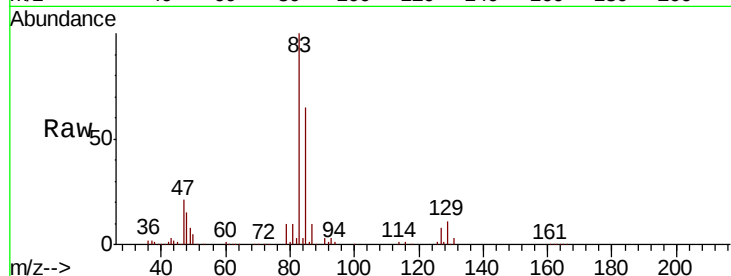
Tot Ion: 83 Resp: 334987

Ion Ratio Lower Upper

83 100

85 64.6 52.8 79.2

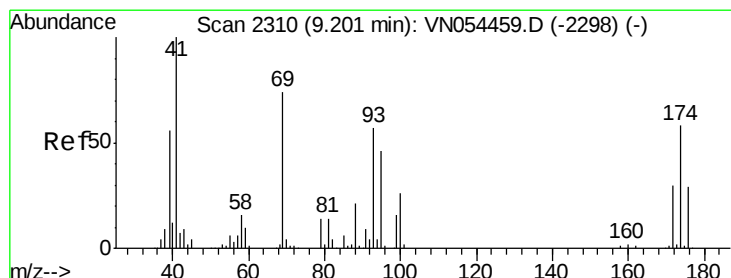
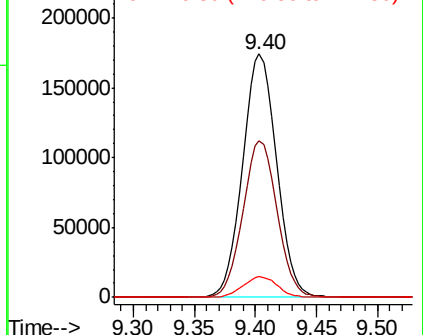
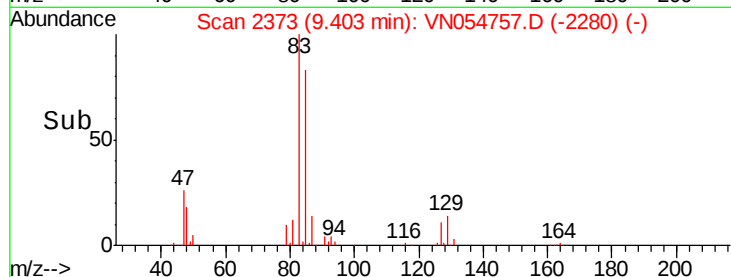
127 8.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 52.154 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

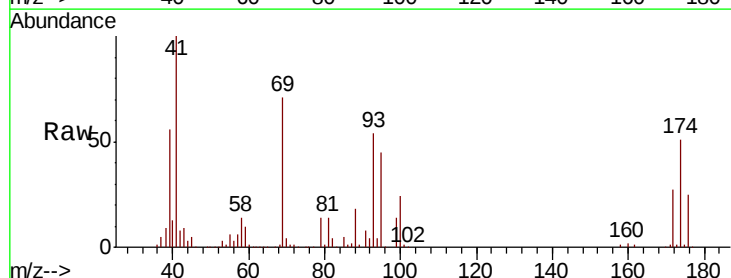
Tgt Ion: 41 Resp: 220233

Ion Ratio Lower Upper

41 100

69 72.5 72.6 108.8#

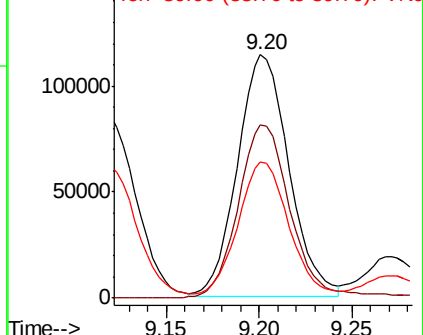
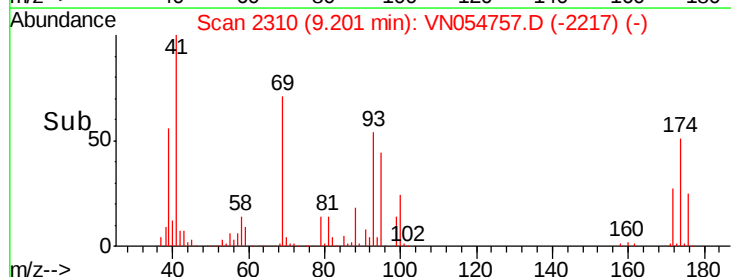
39 55.8 47.5 71.3

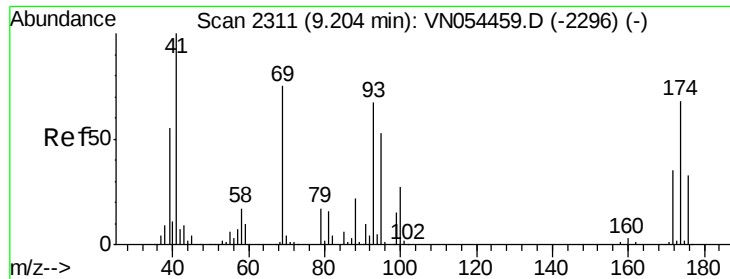


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 969.128 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

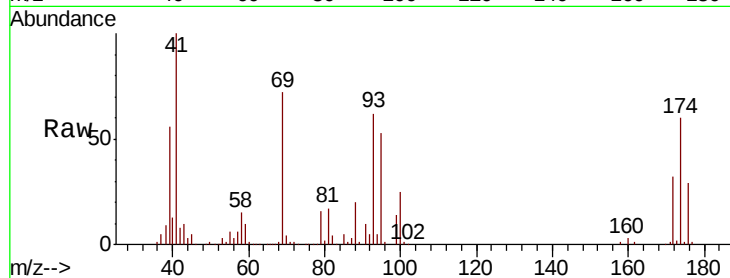
Tot Ion: 88 Resp: 45751

Ion Ratio Lower Upper

88 100

43 41.9 24.1 36.1#

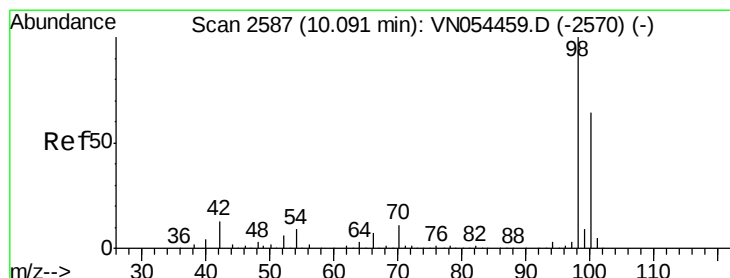
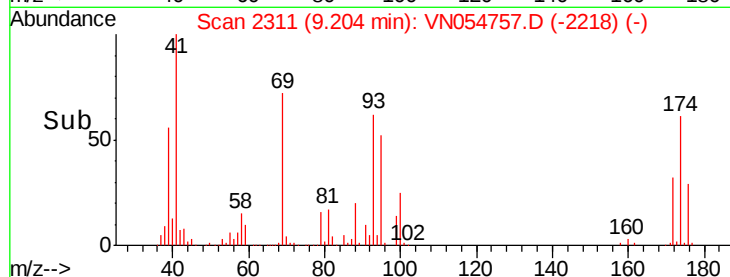
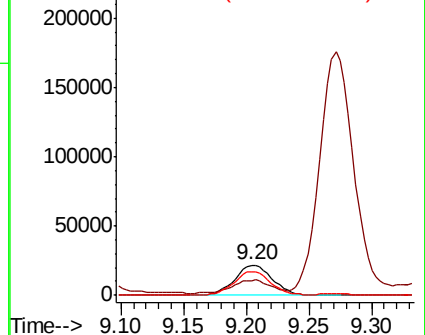
58 78.3 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 46.698 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054757.D

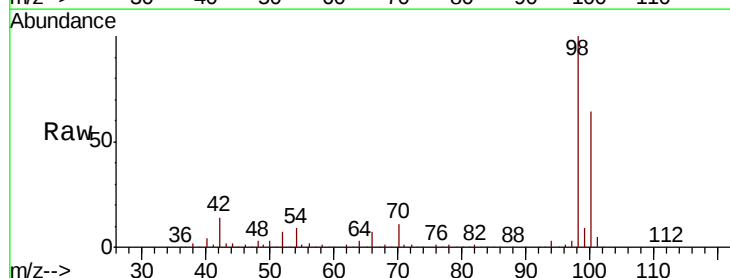
Acq: 28 Mar 2019 20:48

Tgt Ion: 98 Resp: 783494

Ion Ratio Lower Upper

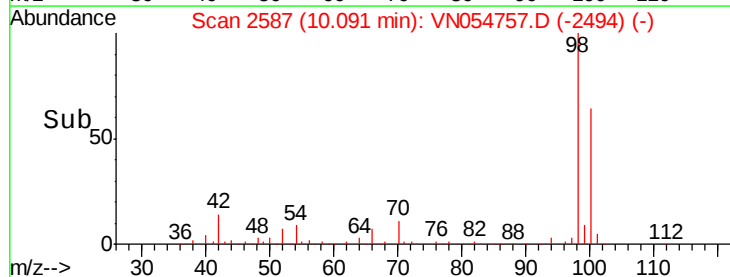
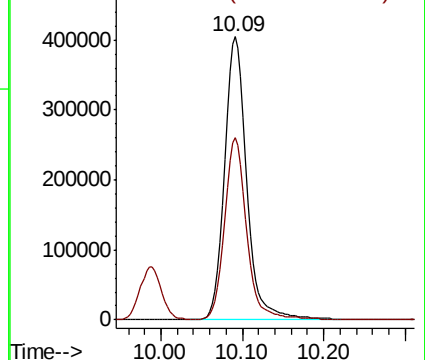
98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 274.625 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

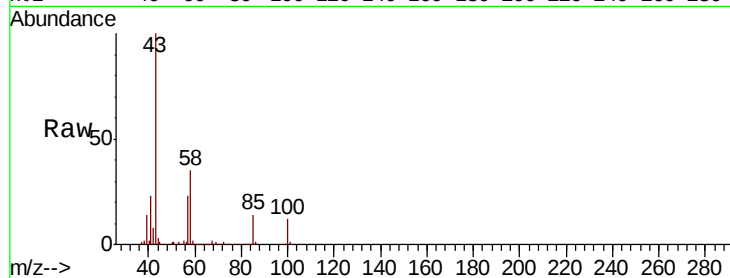
VSTDCCC050EC

Tot Ion: 43 Resp: 1184133

Ion Ratio Lower Upper

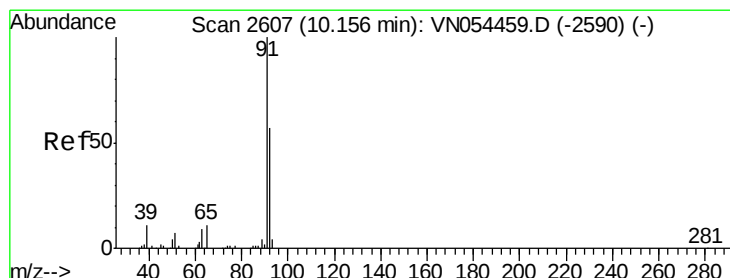
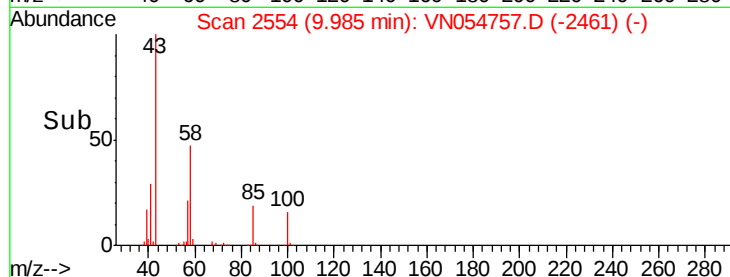
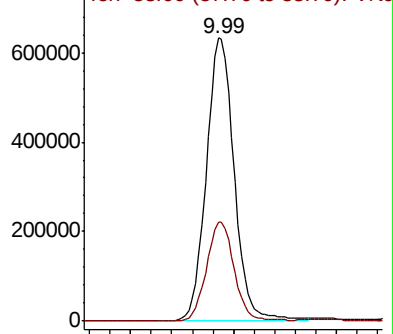
43 100

58 35.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.783 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054757.D

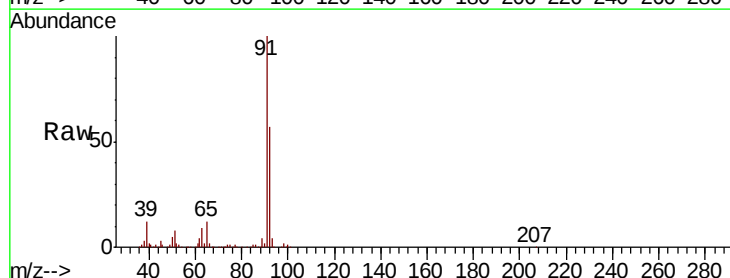
Acq: 28 Mar 2019 20:48

Tgt Ion: 92 Resp: 589898

Ion Ratio Lower Upper

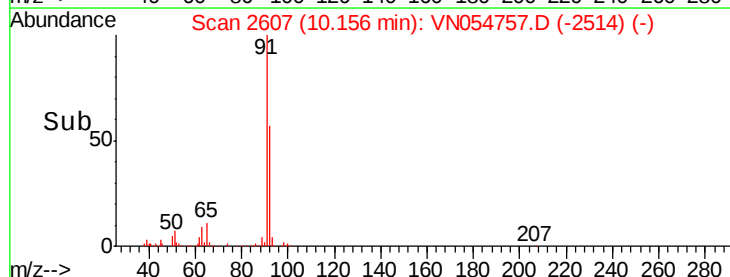
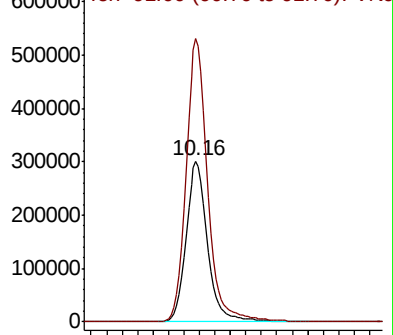
92 100

91 176.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.630 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

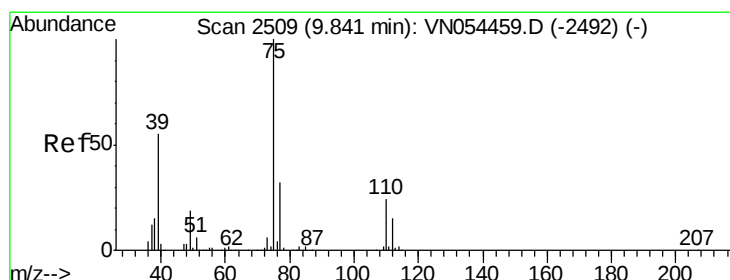
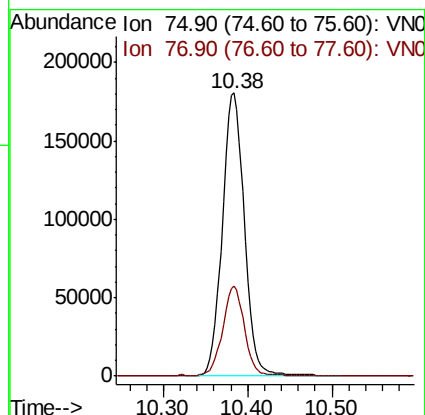
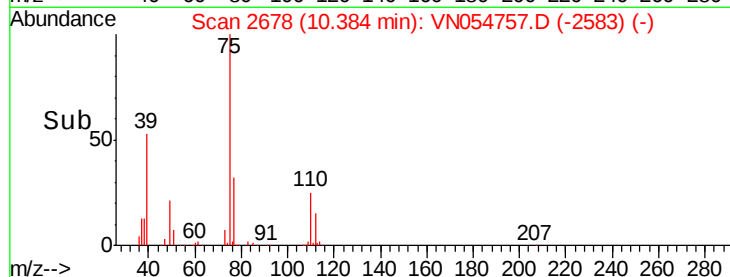
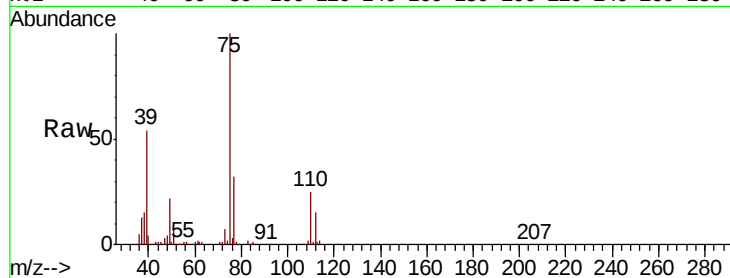
VSTDCCC050EC

Tot Ion: 75 Resp: 329066

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 55.209 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

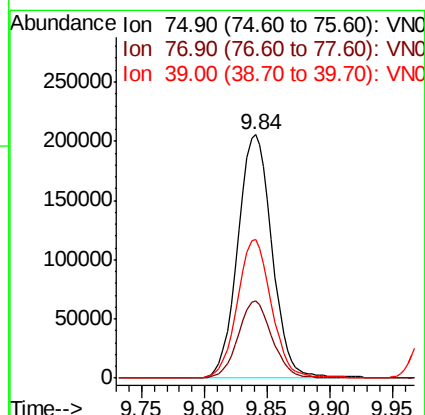
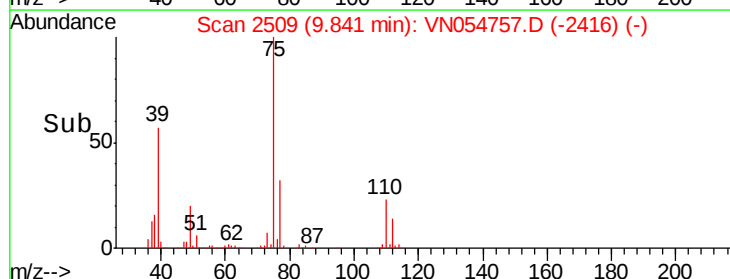
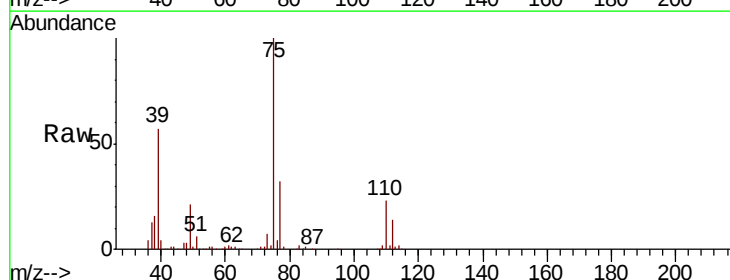
Tgt Ion: 75 Resp: 389798

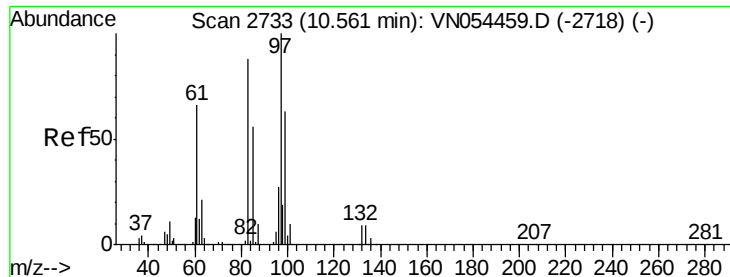
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 56.9 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 53.035 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 217172

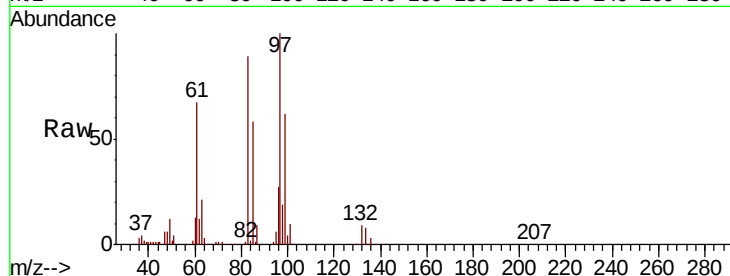
Ion Ratio Lower Upper

97 100

83 89.4 66.6 100.0

85 57.7 44.4 66.6

99 61.6 50.8 76.2

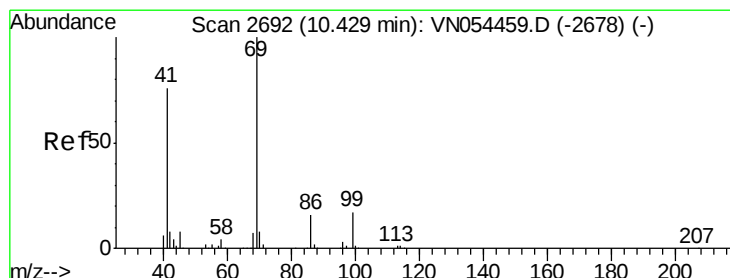
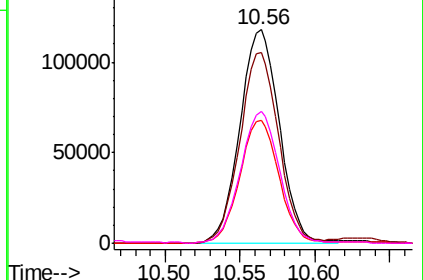
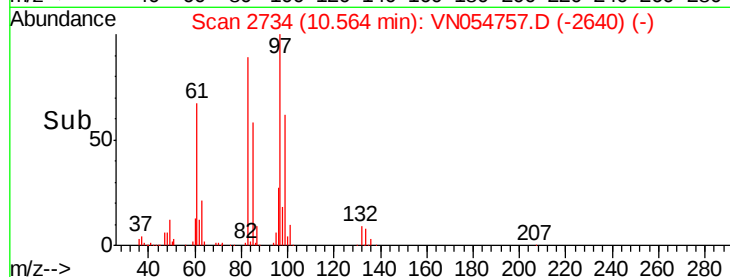


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.159 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

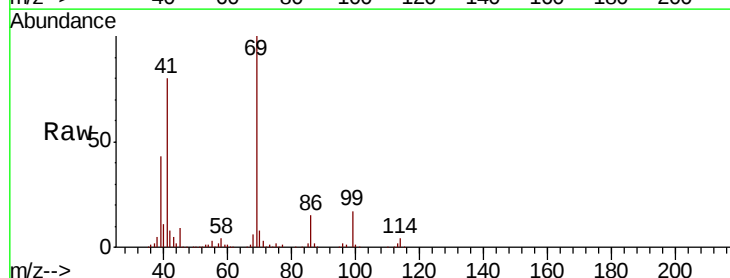
Tgt Ion: 69 Resp: 297668

Ion Ratio Lower Upper

69 100

41 77.6 49.4 74.2#

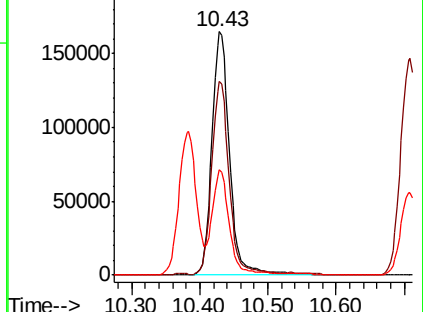
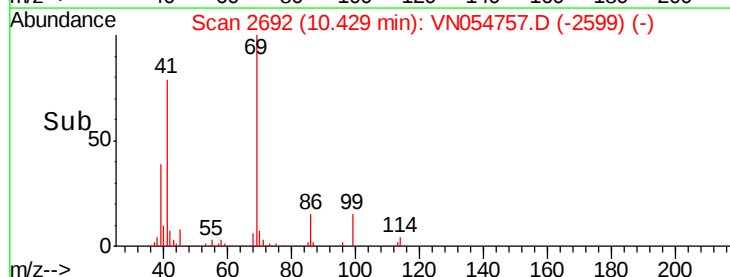
39 40.8 28.3 42.5

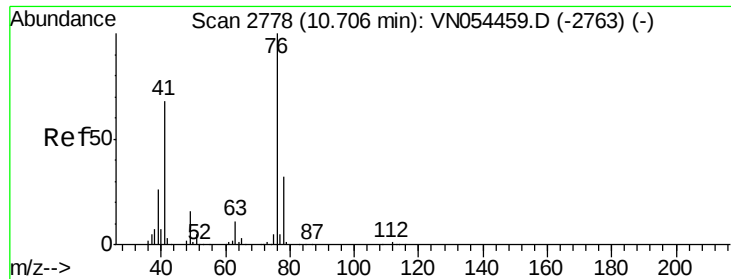


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.420 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

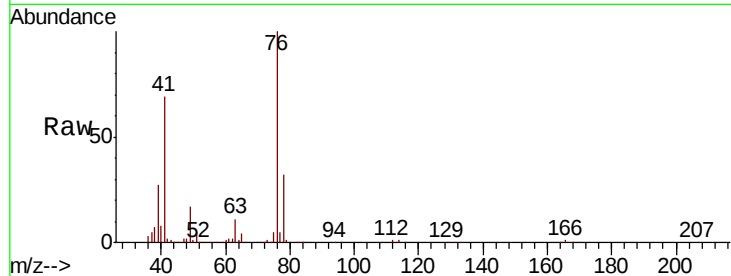
VSTDCCC050EC

Tot Ion: 76 Resp: 380257

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

150000

100000

50000

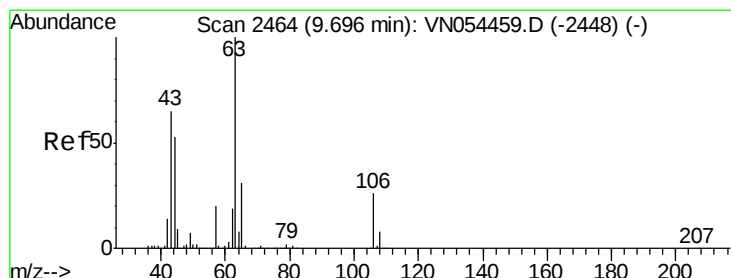
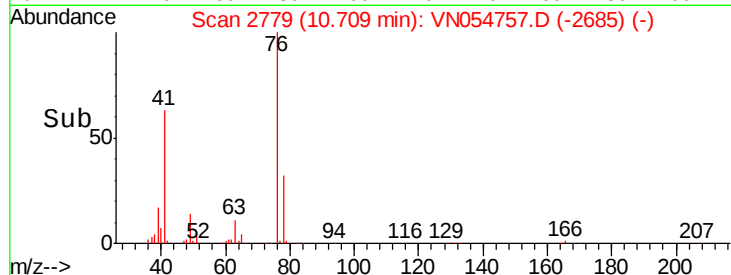
0

10.60

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.551 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054757.D

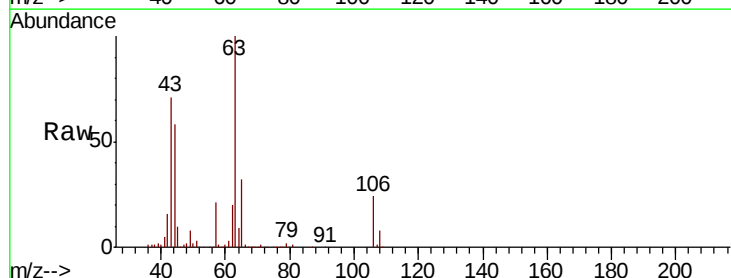
Acq: 28 Mar 2019 20:48

Tgt Ion: 63 Resp: 580629

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

300000

200000

100000

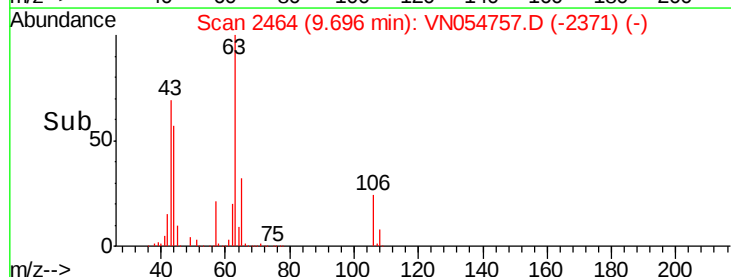
0

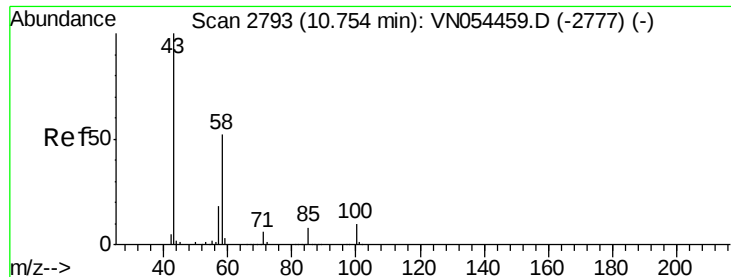
9.60

9.70

9.80

Time-->

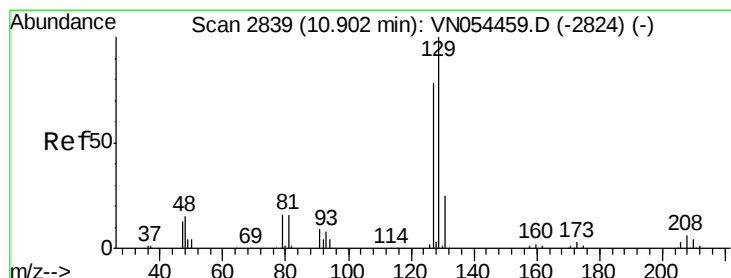
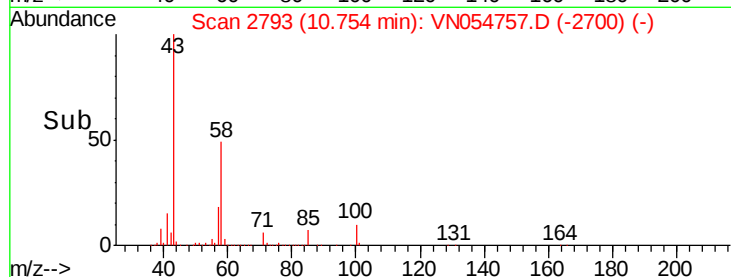
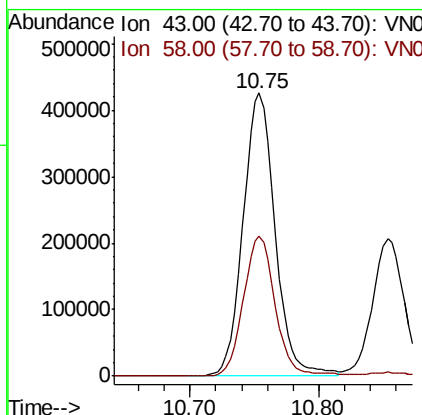
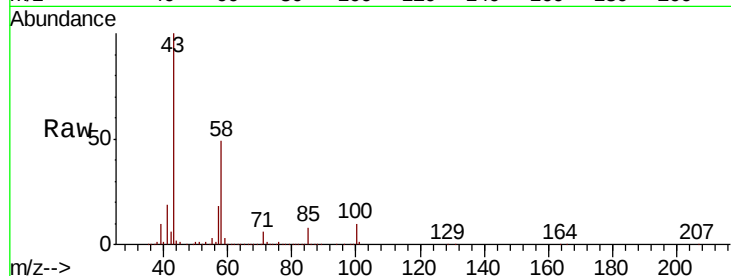




#59
2-Hexanone
Concen: 260.030 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

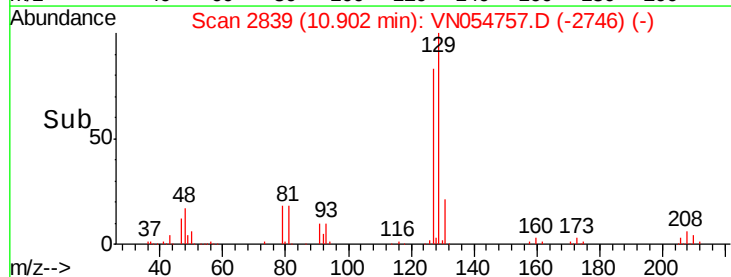
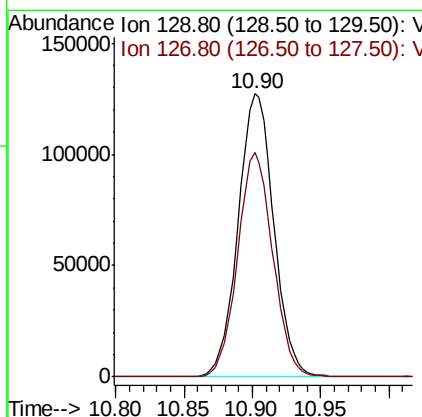
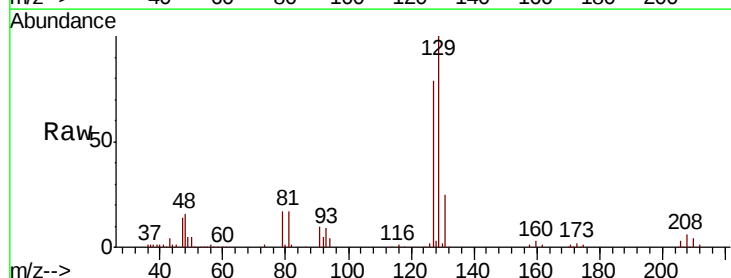
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

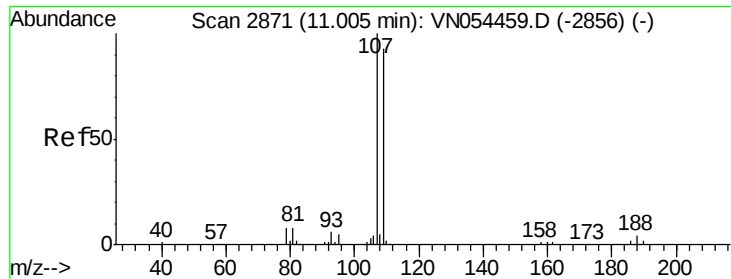
Tot Ion: 43 Resp: 732355
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9



#60
Dibromochloromethane
Concen: 53.051 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 129 Resp: 231164
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.912 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

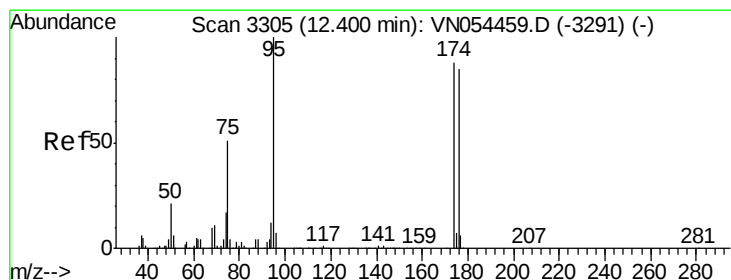
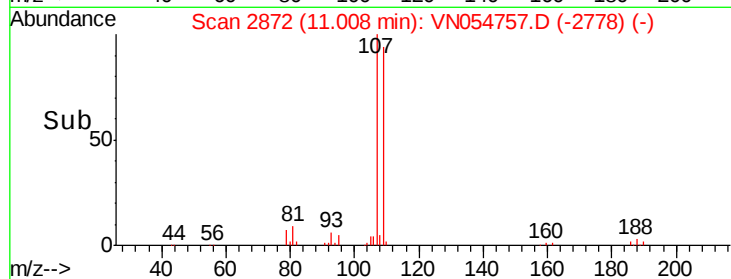
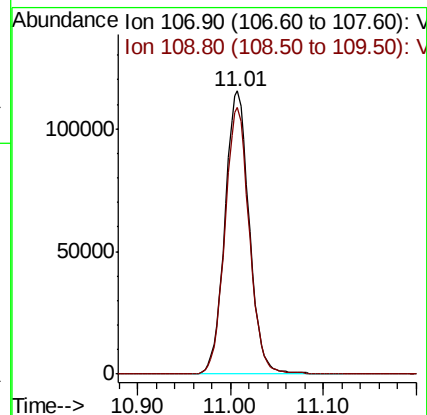
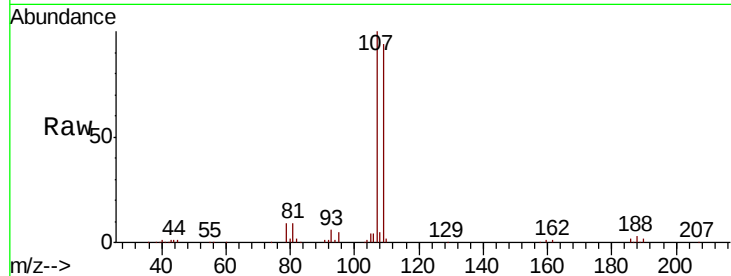
VSTDCCC050EC

Tot Ion:107 Resp: 210157

Ion Ratio Lower Upper

107 100

109 93.9 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 47.990 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

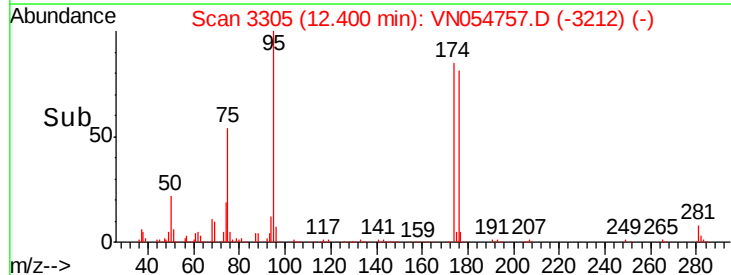
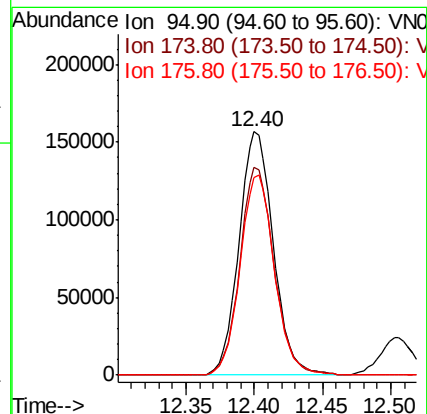
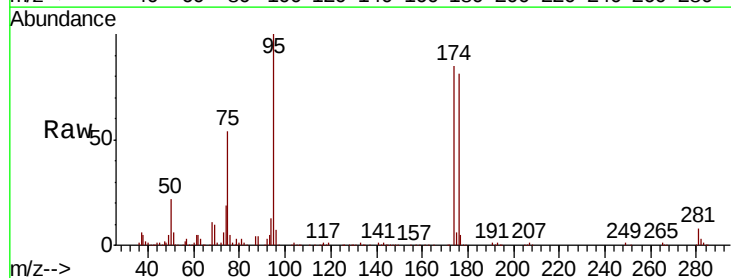
Tgt Ion: 95 Resp: 273987

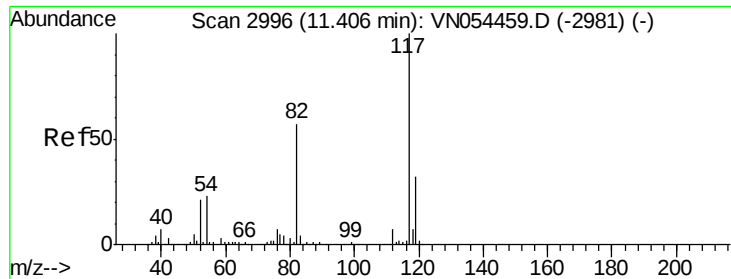
Ion Ratio Lower Upper

95 100

174 85.0 0.0 191.0

176 82.2 0.0 187.4

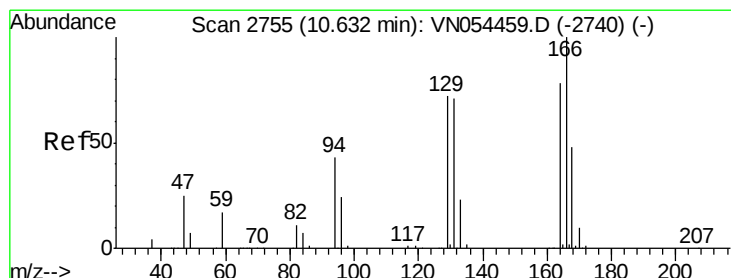
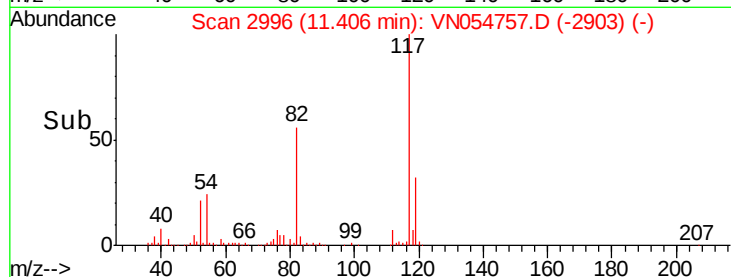
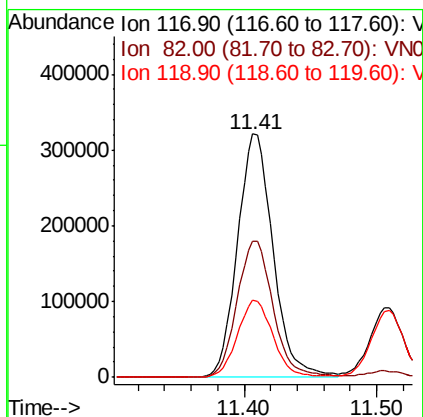
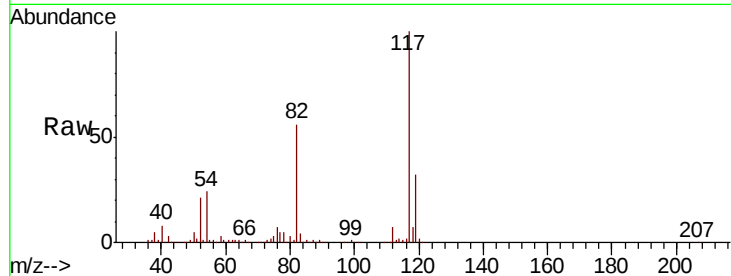




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

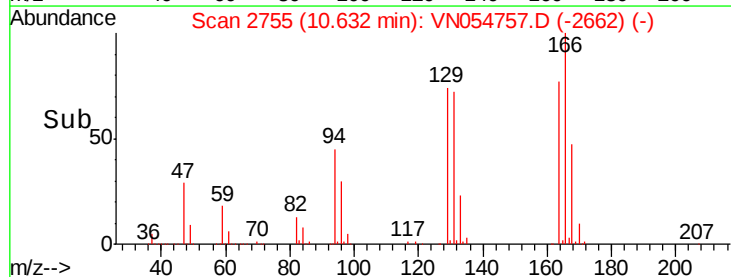
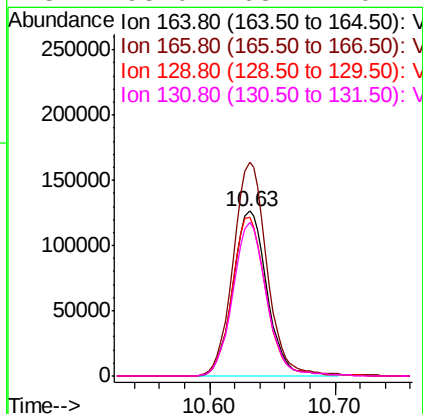
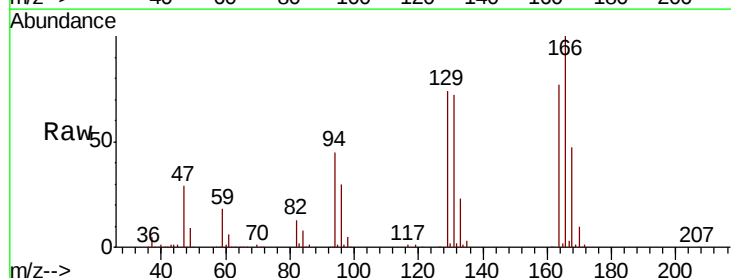
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

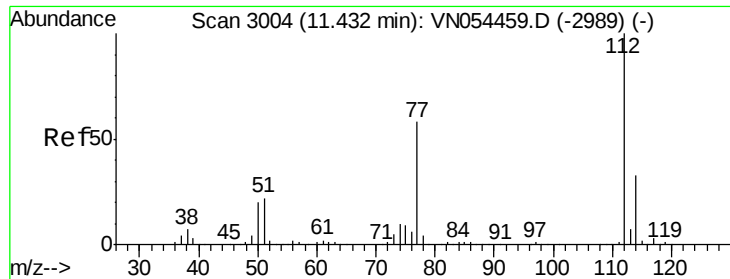
Tot Ion:117 Resp: 600188
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 48.069 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion:164 Resp: 239302
Ion Ratio Lower Upper
164 100
166 129.4 103.9 155.9
129 96.1 71.1 106.7
131 93.0 68.2 102.4

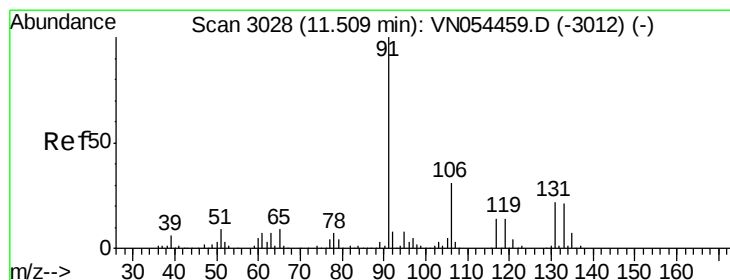
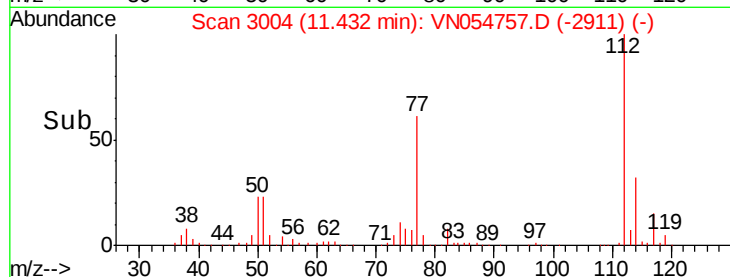
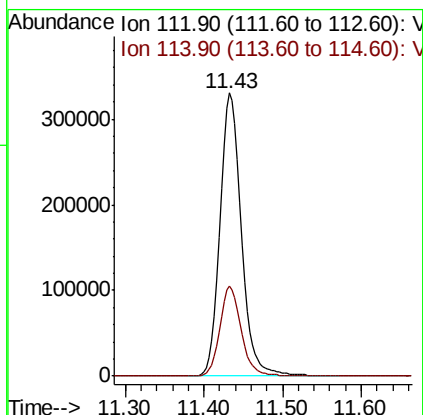
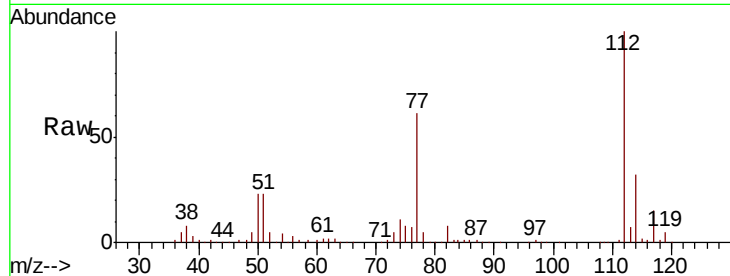




#65
Chlorobenzene
Concen: 50.609 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

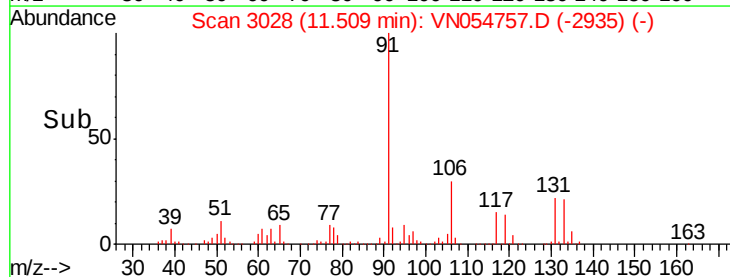
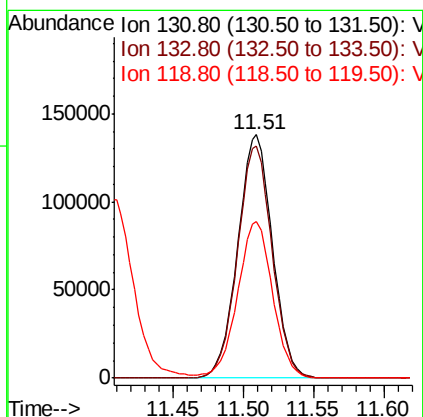
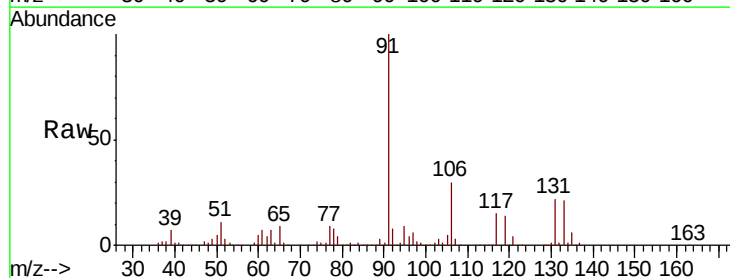
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

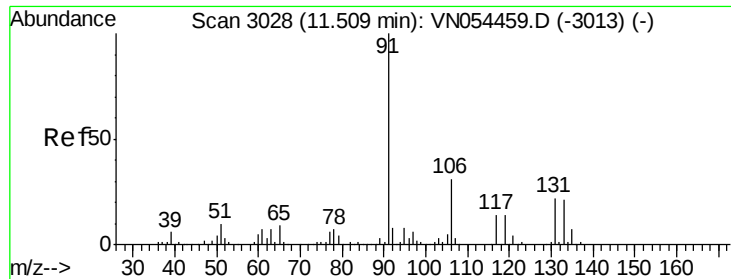
Tot Ion:112 Resp: 617792
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.168 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion:131 Resp: 237336
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 65.2 32.4 97.0

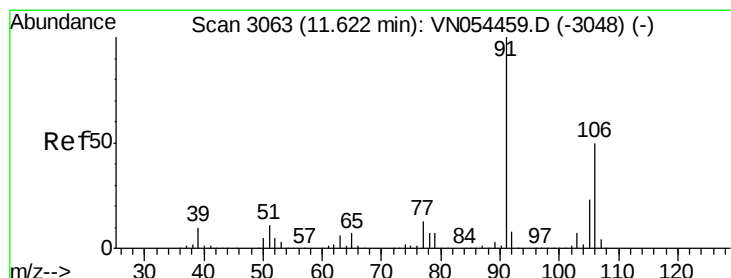
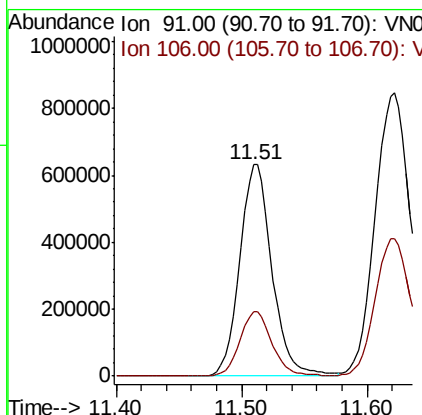
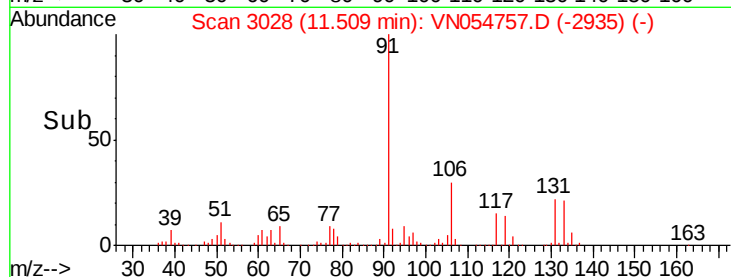
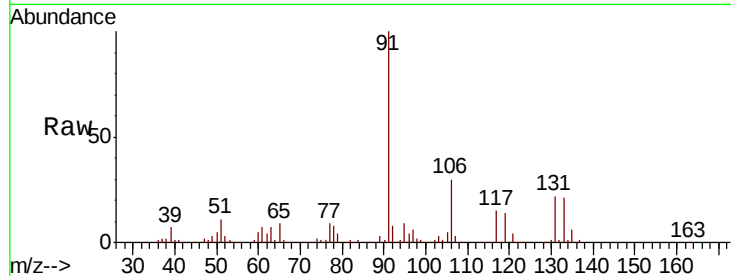




#67
Ethyl Benzene
Concen: 52.443 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

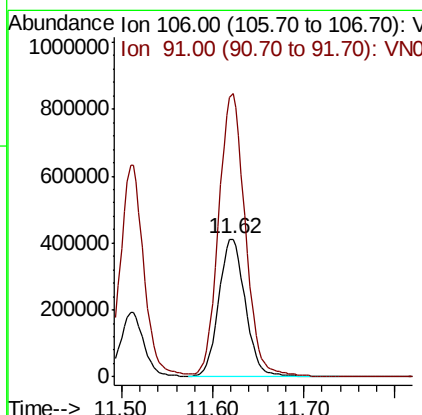
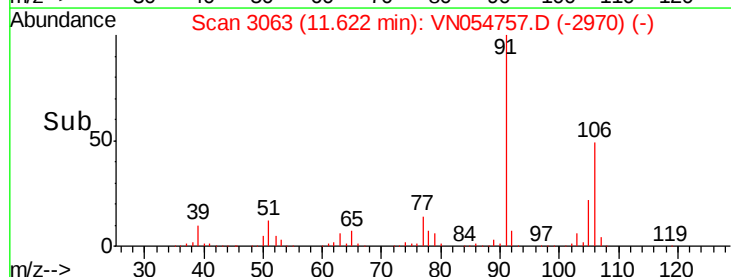
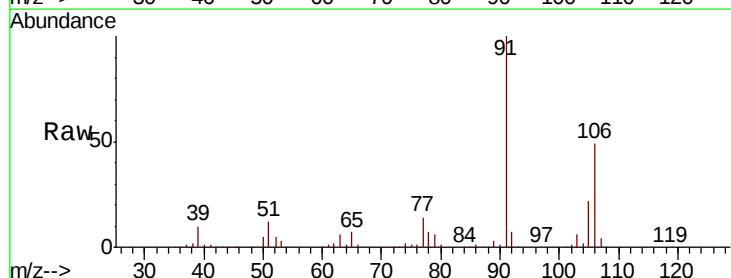
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

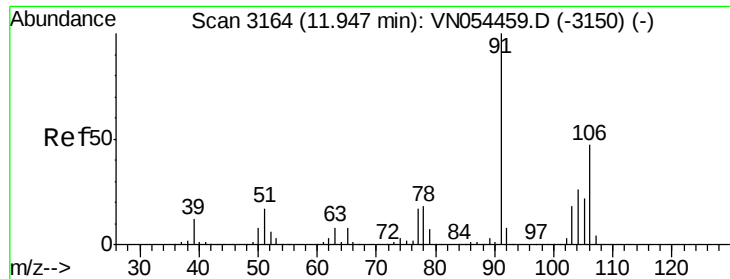
Tot Ion: 91 Resp: 1130832
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 102.907 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 106 Resp: 840498
Ion Ratio Lower Upper
106 100
91 205.6 159.4 239.2

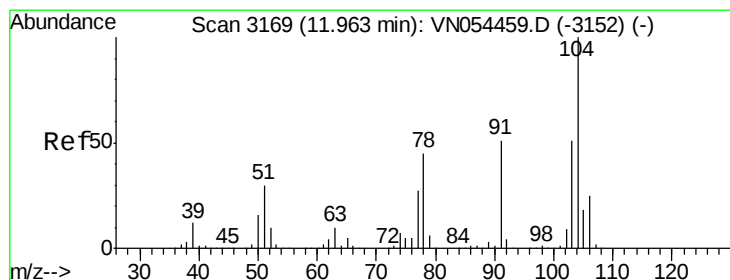
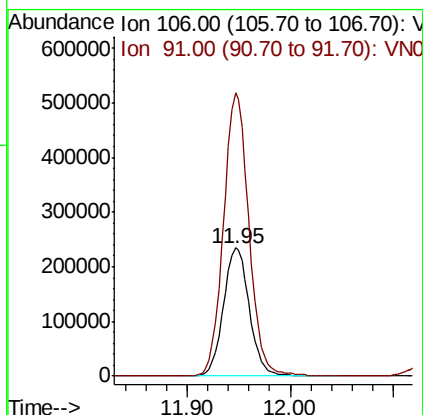
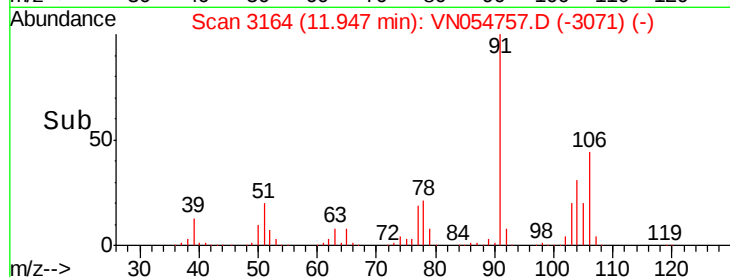
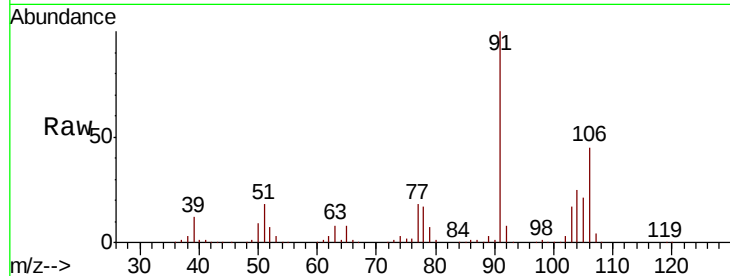




#69
o-Xylene
Concen: 51.401 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

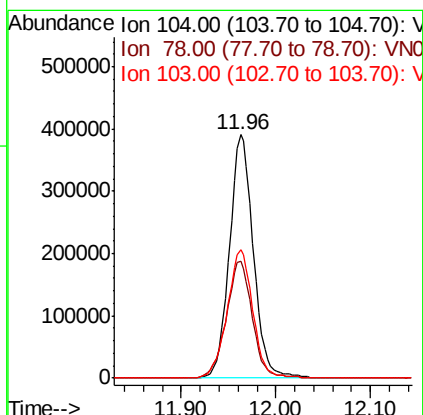
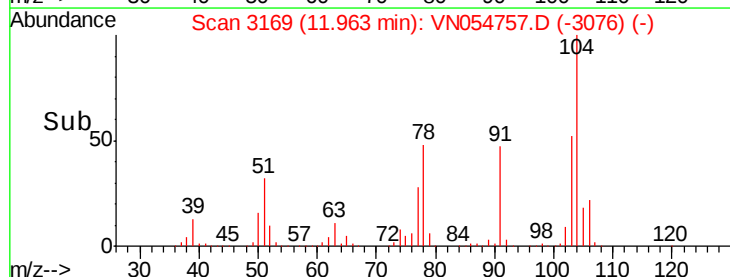
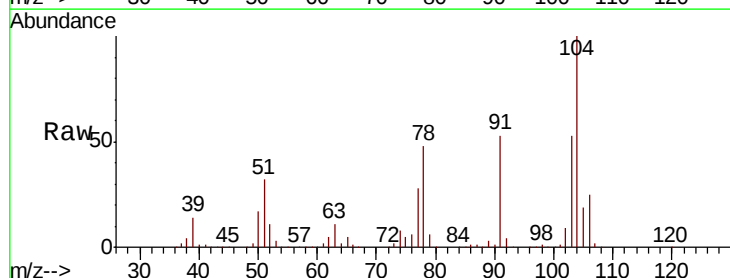
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

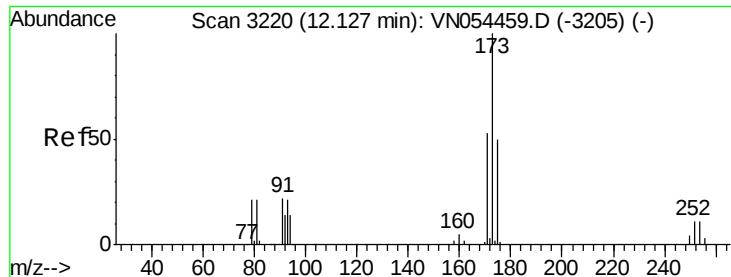
Tot Ion:106 Resp: 409996
Ion Ratio Lower Upper
106 100
91 216.9 105.7 317.1



#70
Styrene
Concen: 53.028 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion:104 Resp: 686877
Ion Ratio Lower Upper
104 100
78 52.0 38.2 57.2
103 56.4 44.4 66.6

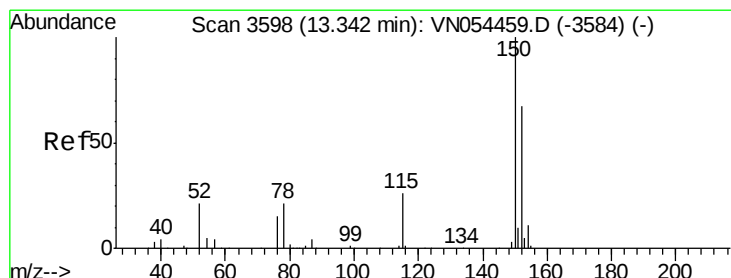
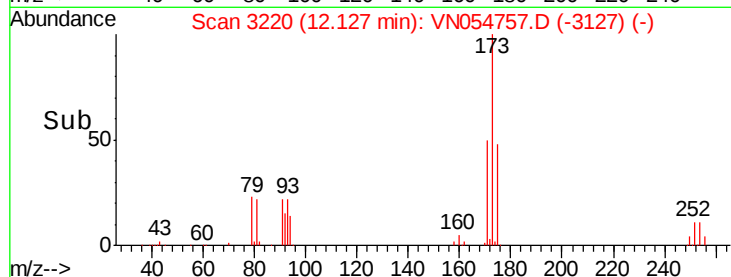
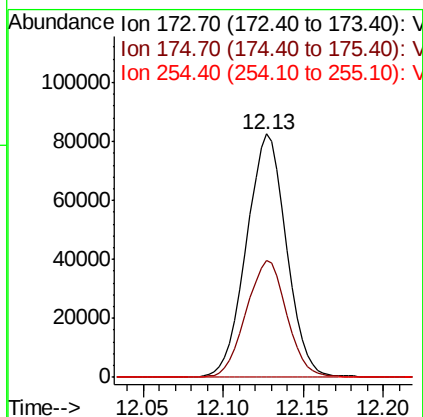
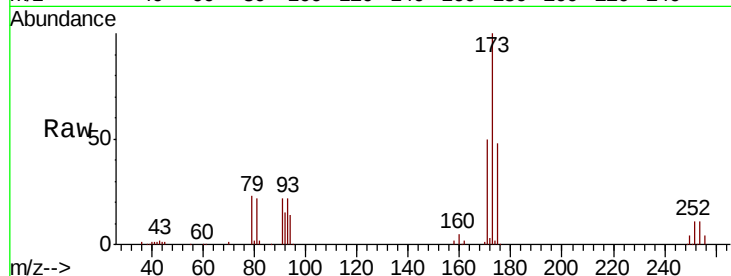




#71
Bromoform
Concen: 46.831 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

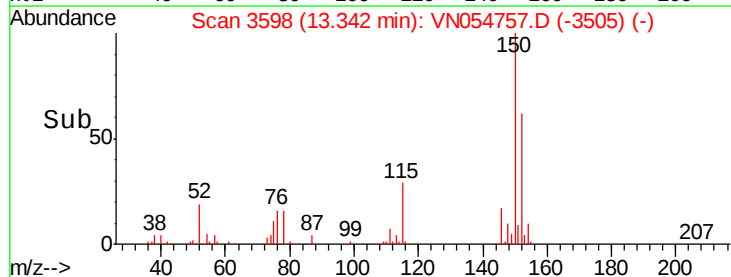
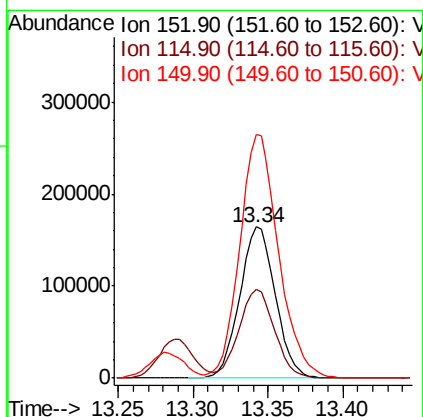
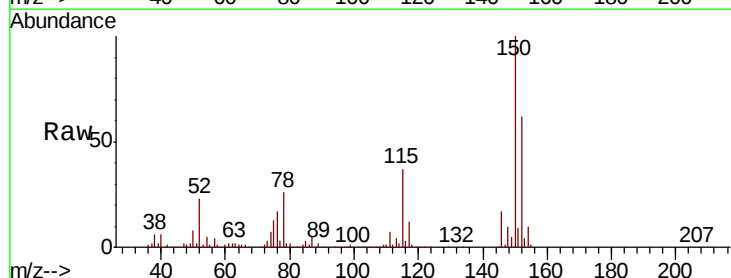
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

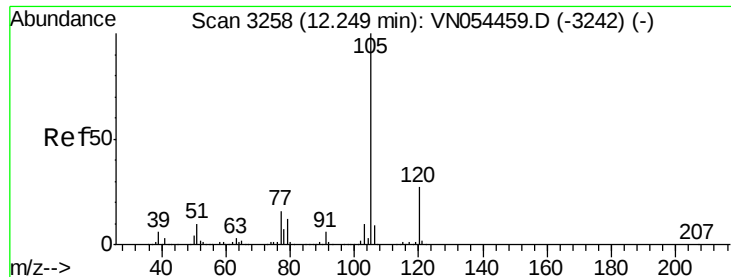
Tot Ion:173 Resp: 141018
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion:152 Resp: 271463
Ion Ratio Lower Upper
152 100
115 59.0 27.2 81.6
150 175.5 0.0 349.2

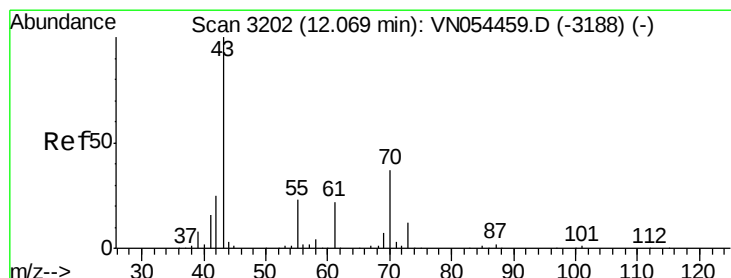
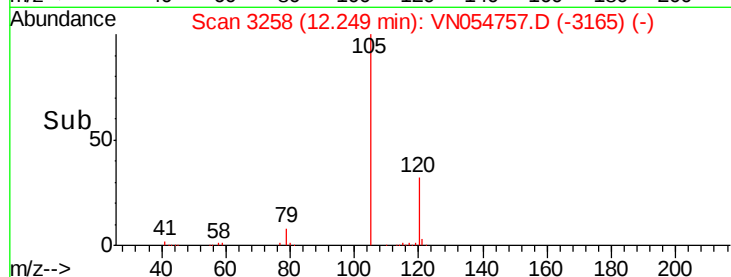
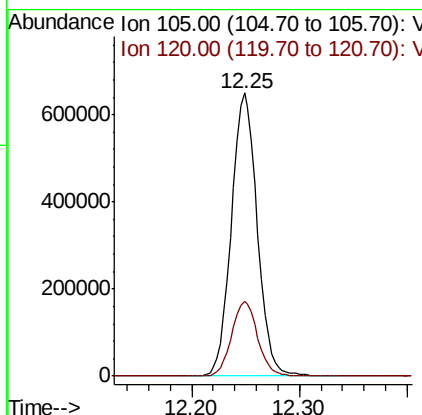
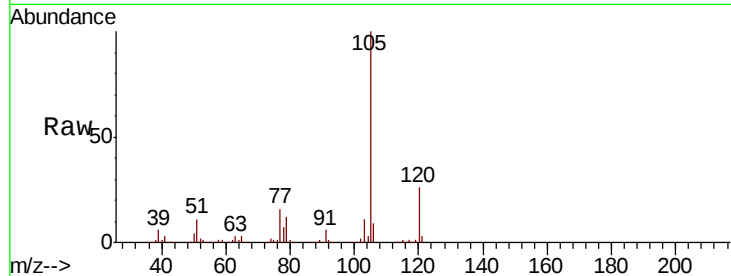




#73
Isopropylbenzene
Concen: 49.319 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

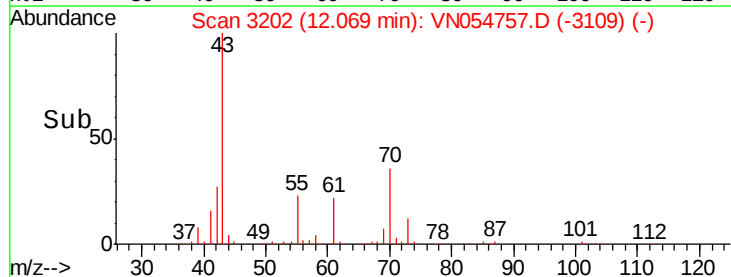
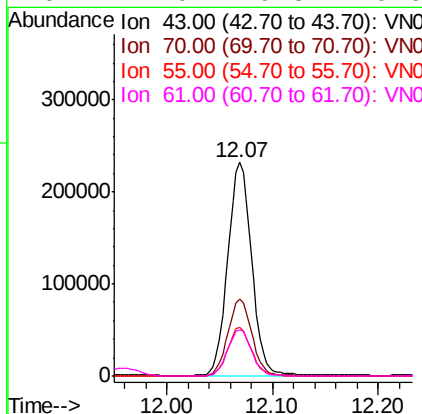
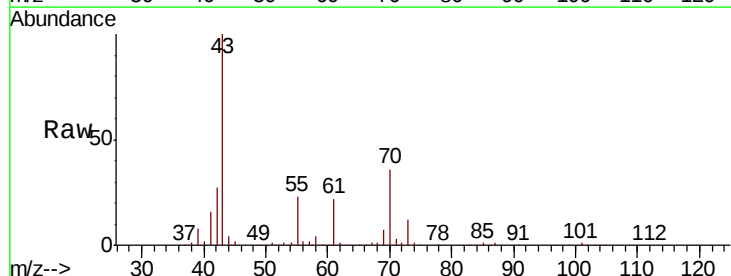
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

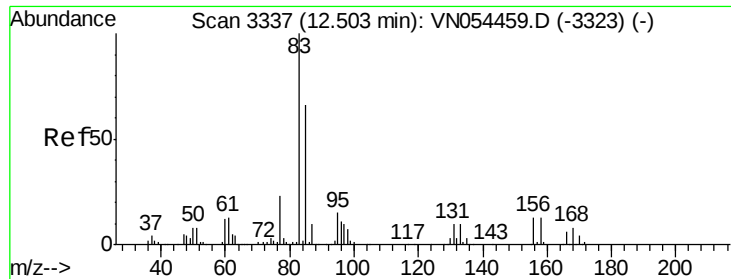
Tot Ion:105 Resp: 1078848
Ion Ratio Lower Upper
105 100
120 26.4 13.8 41.3



#74
N-ethyl acetate
Concen: 57.505 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 43 Resp: 361696
Ion Ratio Lower Upper
43 100
70 36.5 35.4 53.0
55 22.8 19.8 29.6
61 22.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.520 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

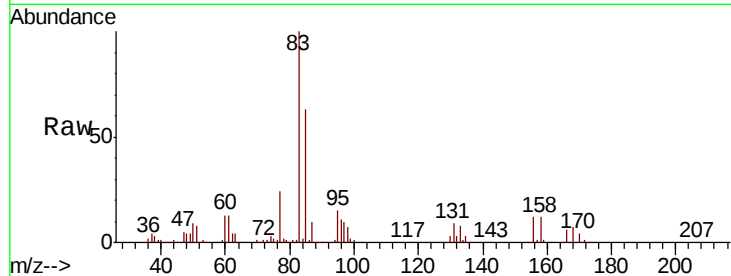
Tot Ion: 83 Resp: 262262

Ion Ratio Lower Upper

83 100

131 10.2 5.8 17.4

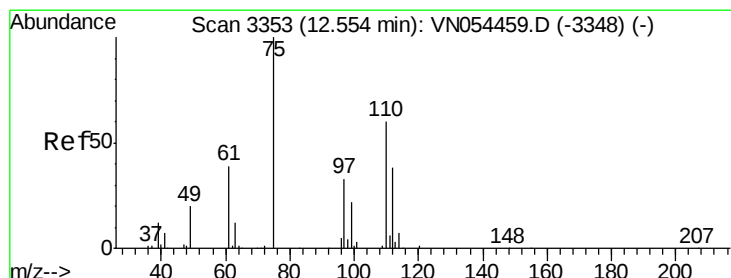
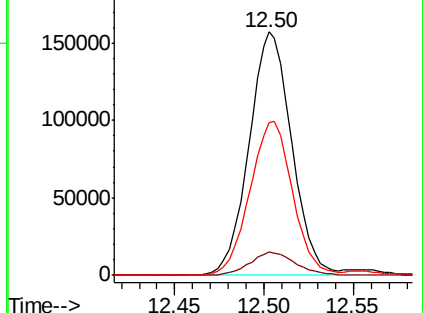
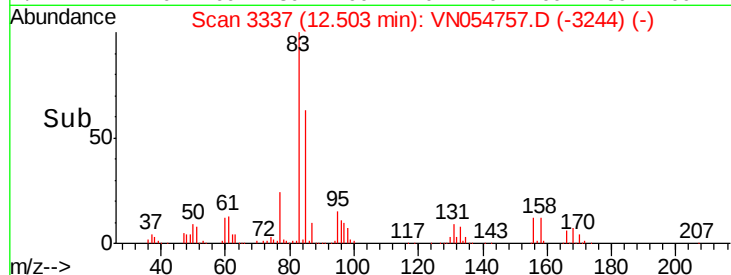
85 63.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 74.392 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054757.D

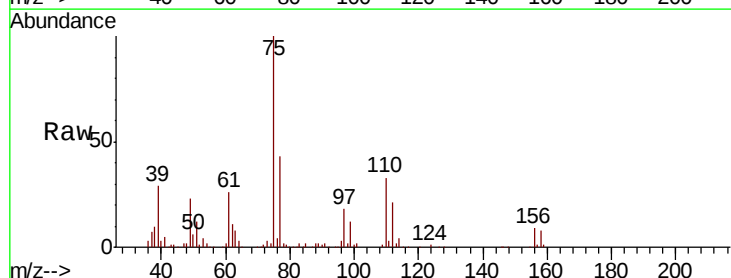
Acq: 28 Mar 2019 20:48

Tgt Ion: 75 Resp: 320460

Ion Ratio Lower Upper

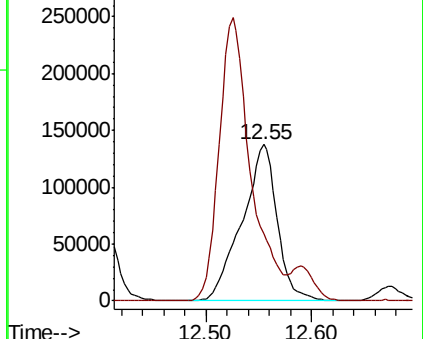
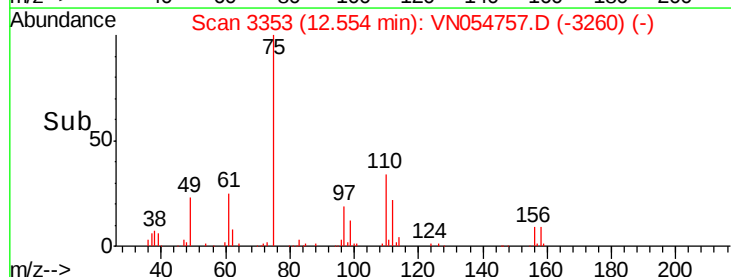
75 100

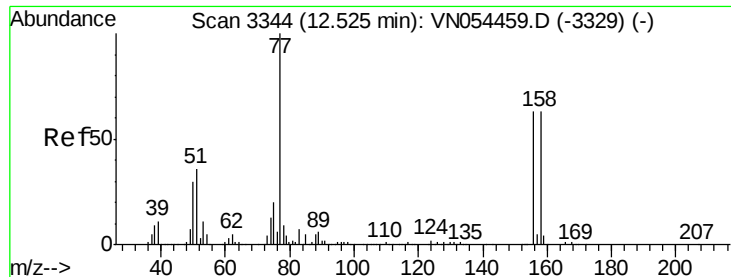
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.625 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

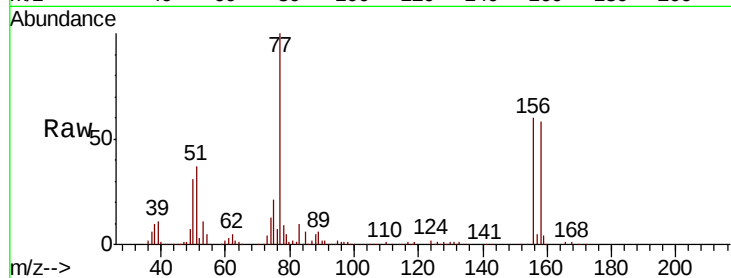
Tot Ion:156 Resp: 263805

Ion Ratio Lower Upper

156 100

77 196.3 81.5 244.4

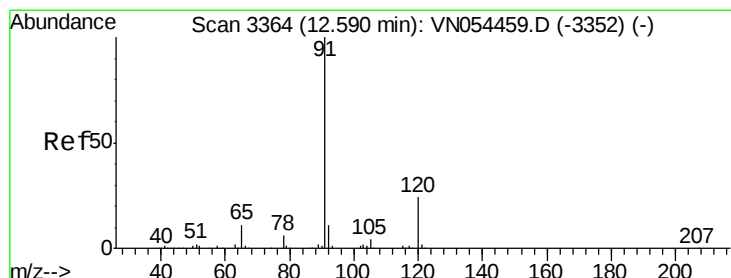
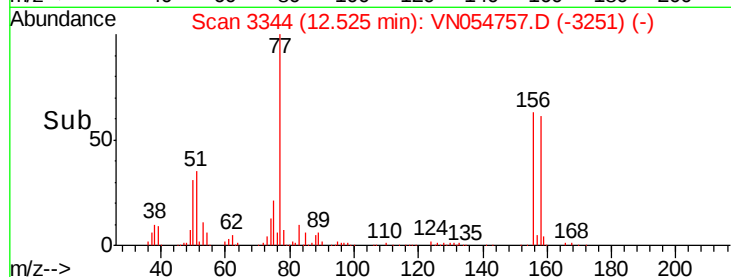
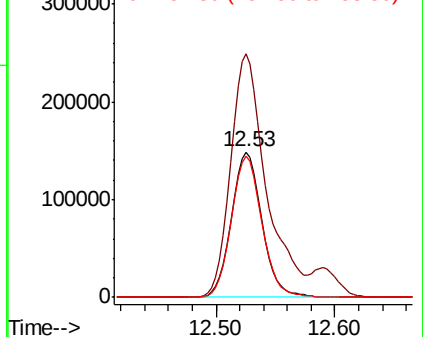
158 97.4 49.0 147.2



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: 50.891 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054757.D

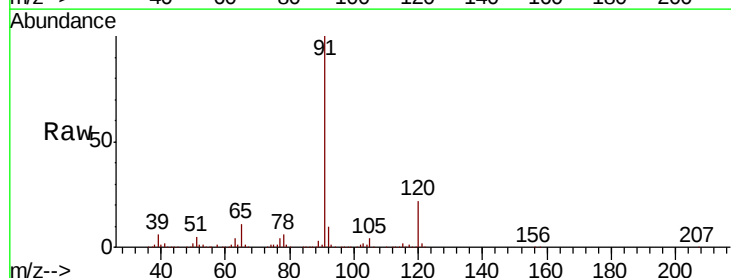
Acq: 28 Mar 2019 20:48

Tgt Ion: 91 Resp: 1207161

Ion Ratio Lower Upper

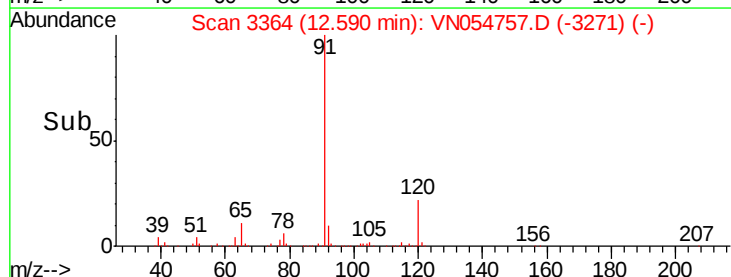
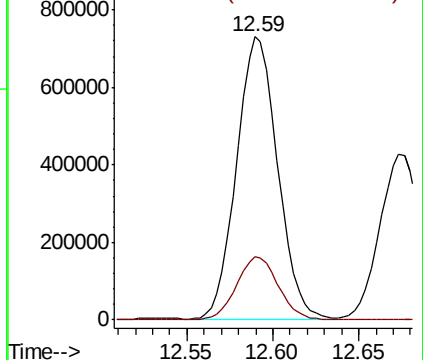
91 100

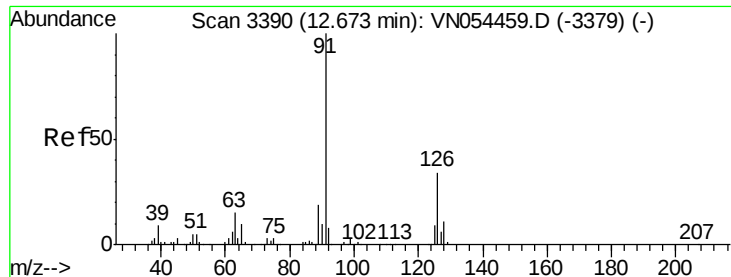
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.085 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

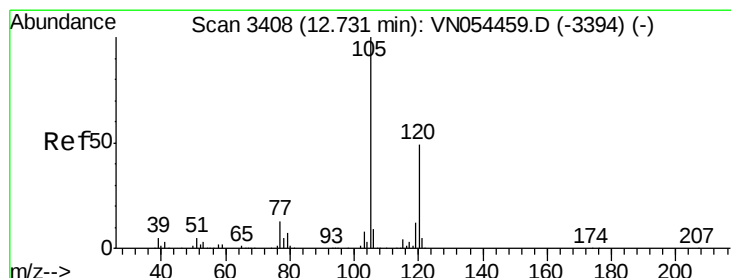
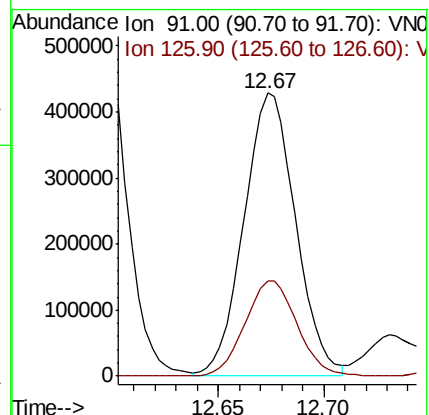
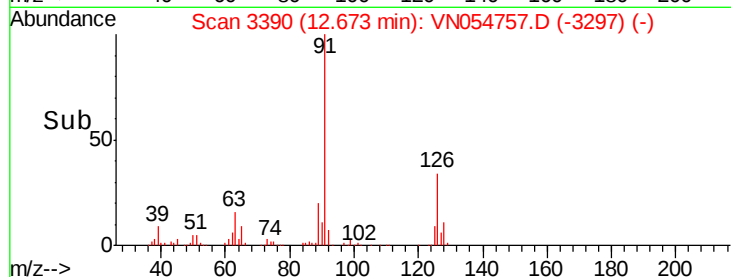
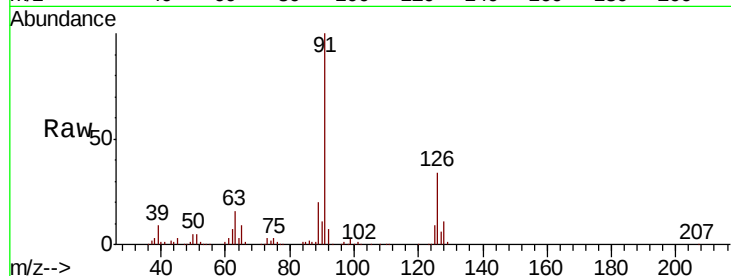
VSTDCCC050EC

Tot Ion: 91 Resp: 726066

Ion Ratio Lower Upper

91 100

126 34.3 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 49.526 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054757.D

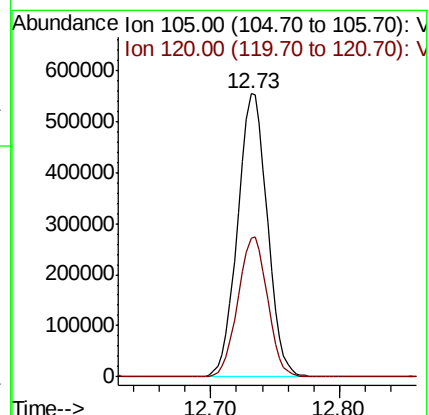
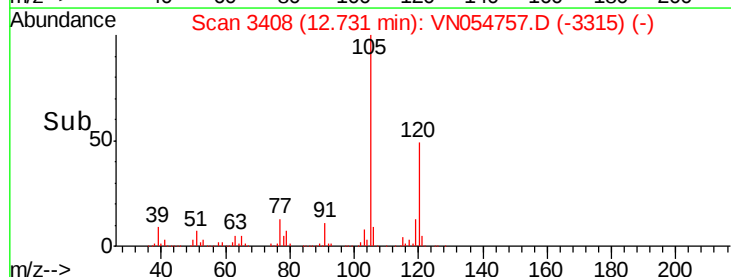
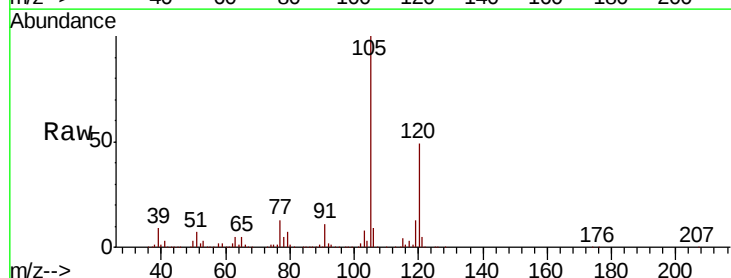
Acq: 28 Mar 2019 20:48

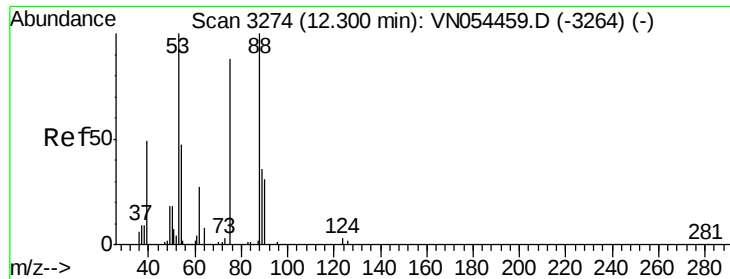
Tgt Ion:105 Resp: 887928

Ion Ratio Lower Upper

105 100

120 49.2 25.0 75.0

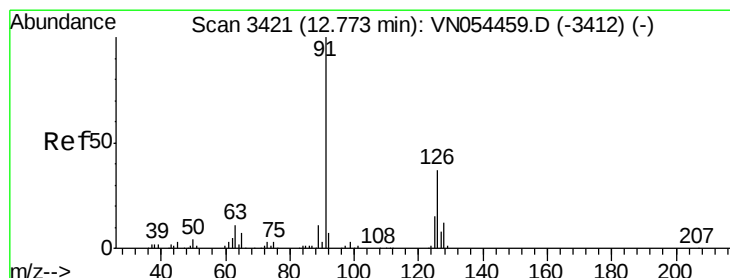
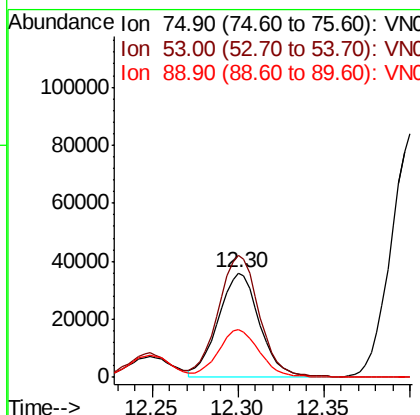
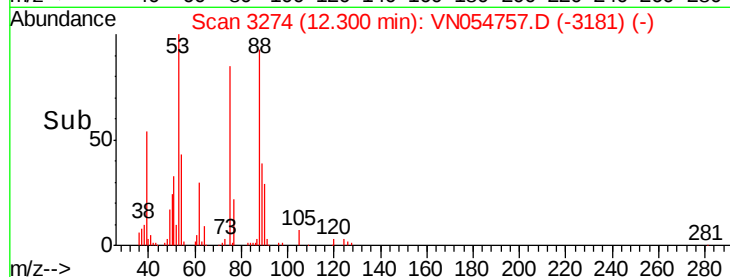
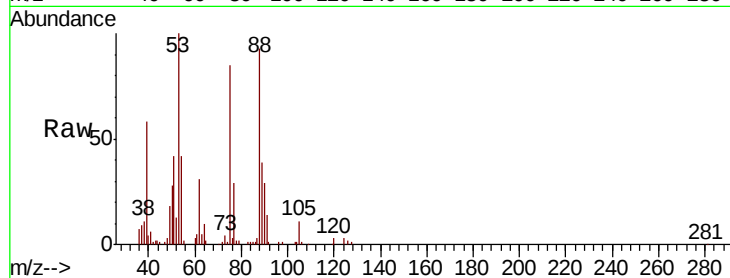




#81
trans-1,4-Dichloro-2-butene
Concen: 47.374 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

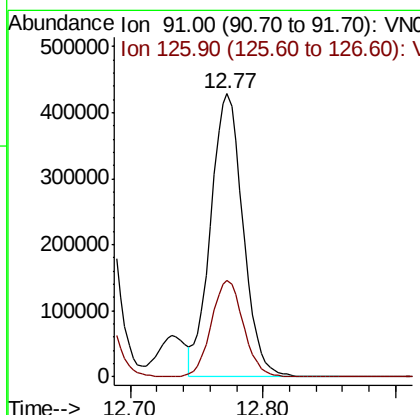
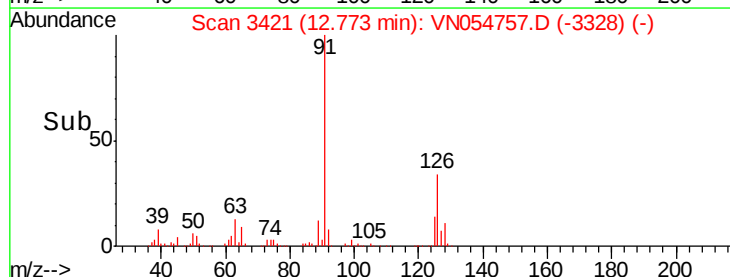
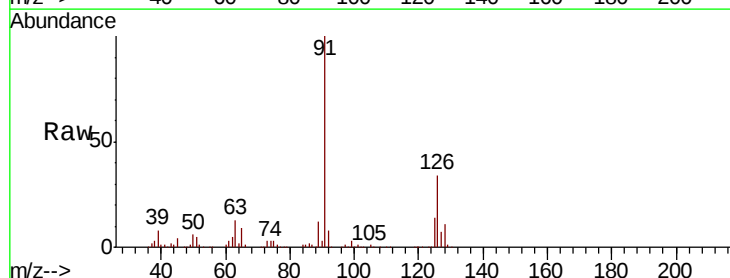
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

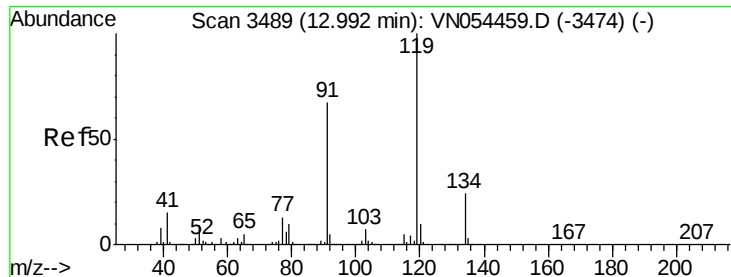
Tot Ion: 75 Resp: 58974
Ion Ratio Lower Upper
75 100
53 118.1 76.2 114.2#
89 46.8 39.2 58.8



#82
4-Chlorotoluene
Concen: 50.641 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 91 Resp: 726086
Ion Ratio Lower Upper
91 100
126 33.9 18.1 54.1

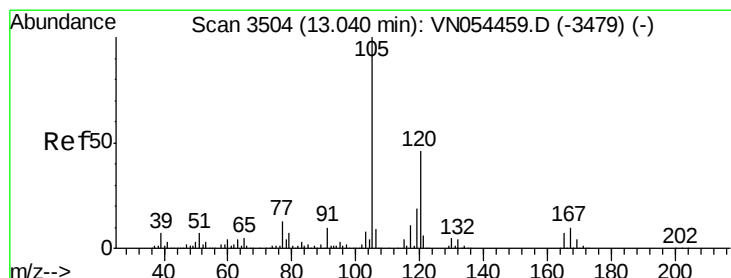
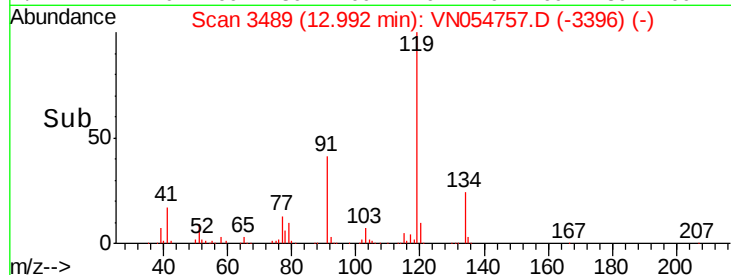
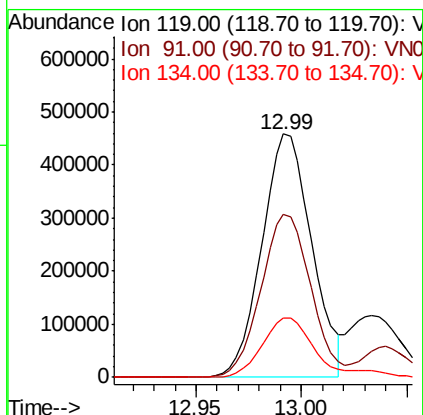
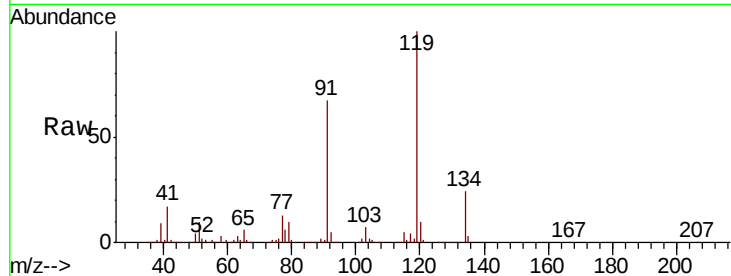




#83
 tert-Butylbenzene
 Concen: 48.454 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

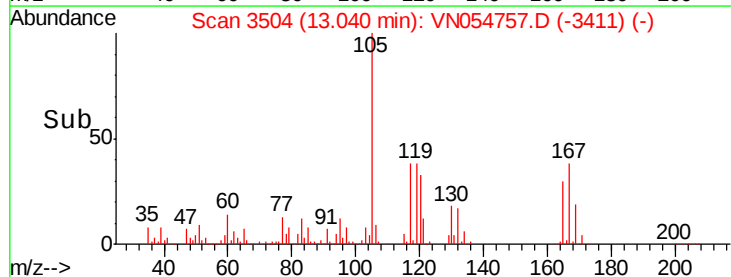
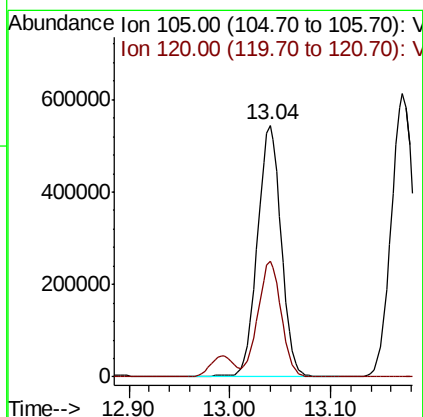
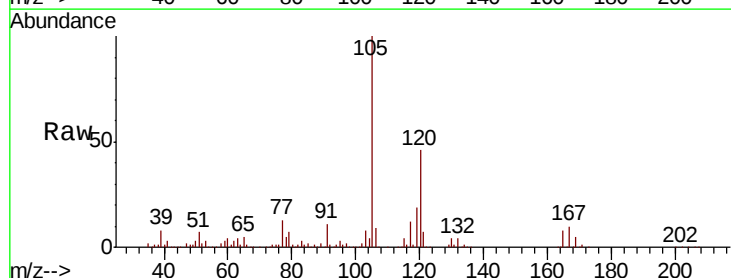
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

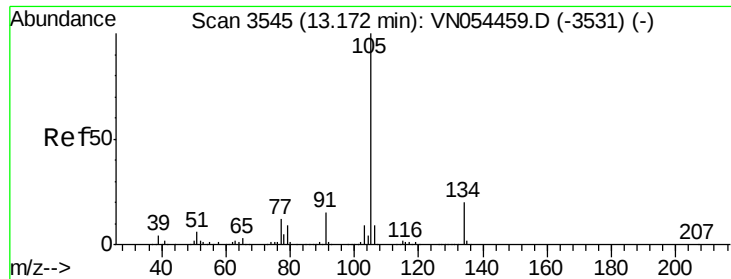
Tot Ion:119 Resp: 756162
 Ion Ratio Lower Upper
 119 100
 91 66.8 30.9 92.8
 134 24.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.274 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion:105 Resp: 884416
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 49.766 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

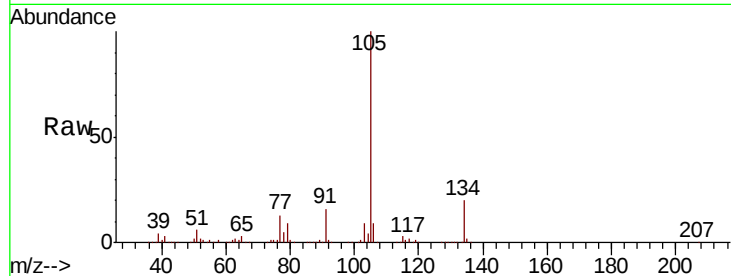
VSTDCCC050EC

Tot Ion:105 Resp: 968156

Ion Ratio Lower Upper

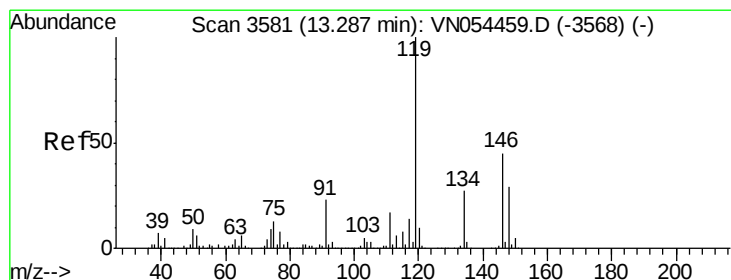
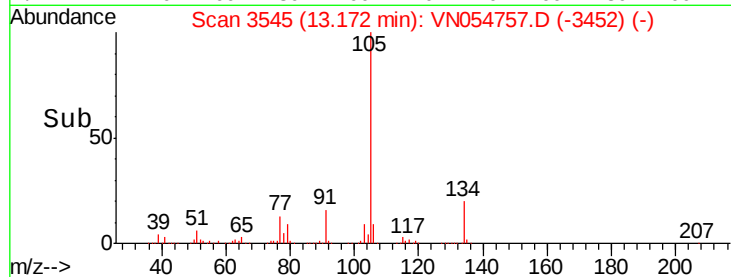
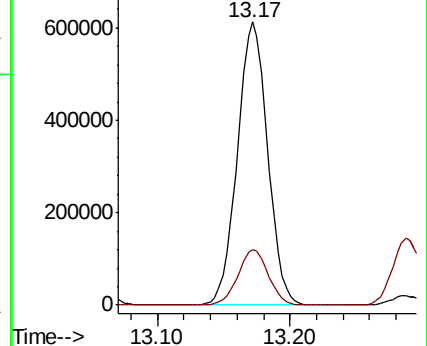
105 100

134 19.7 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.589 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

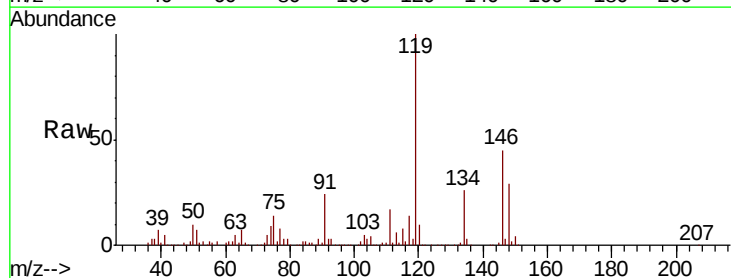
Tgt Ion:119 Resp: 863085

Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

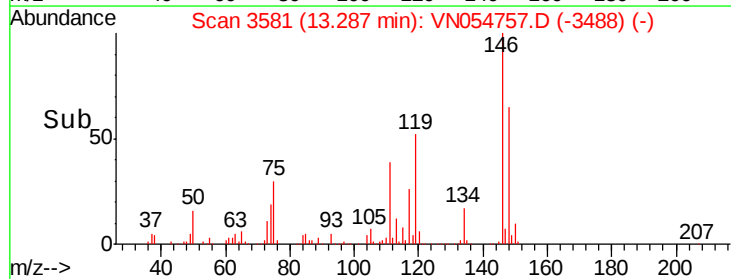
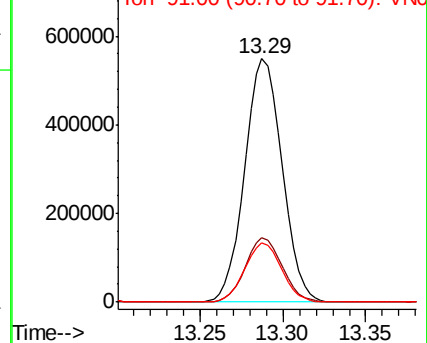
91 24.0 11.1 33.3

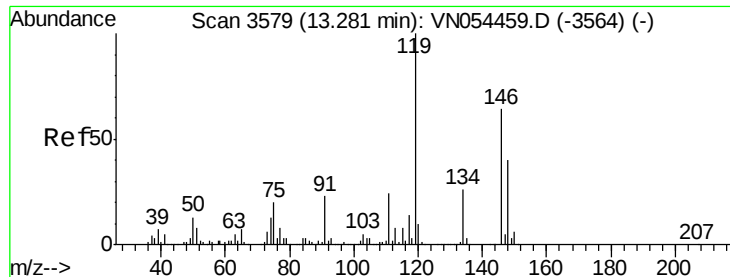


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

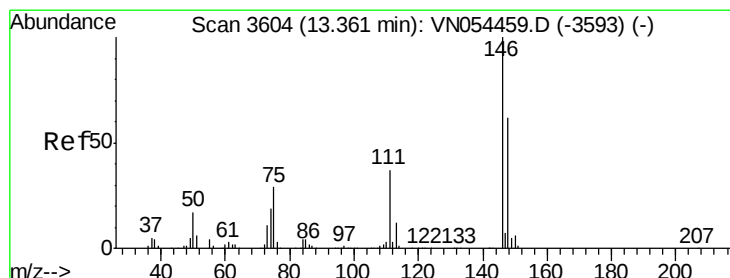
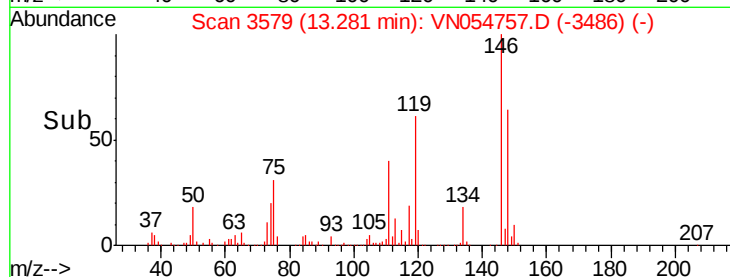
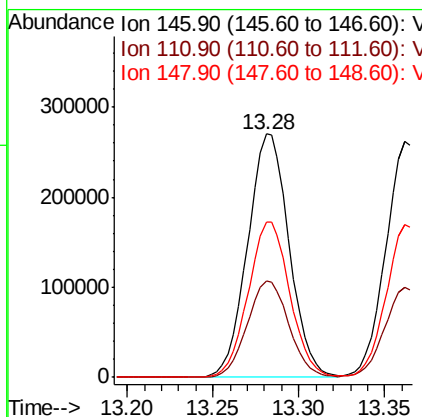
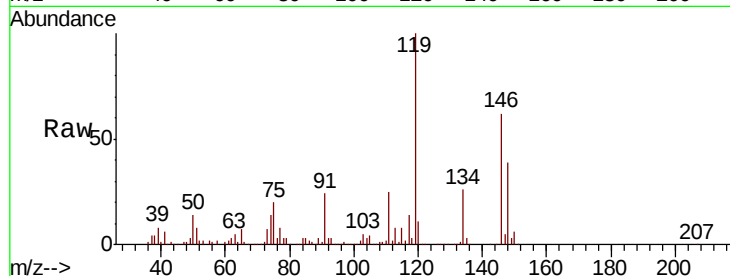




#87
 1,3-Dichlorobenzene
 Concen: 50.250 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

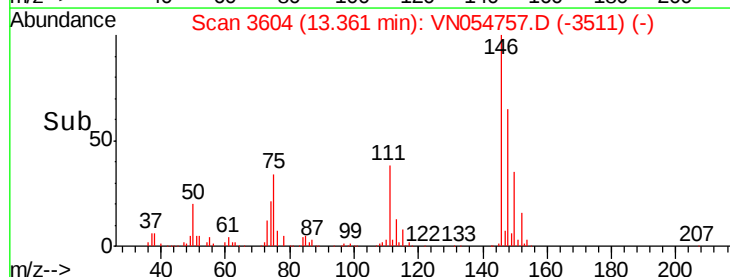
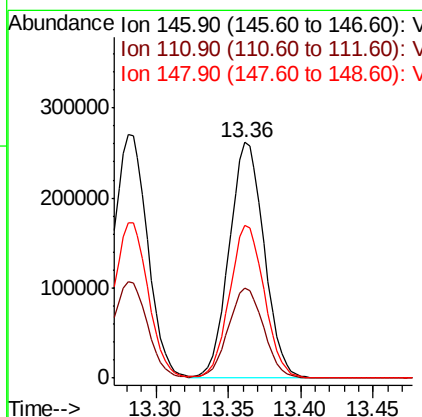
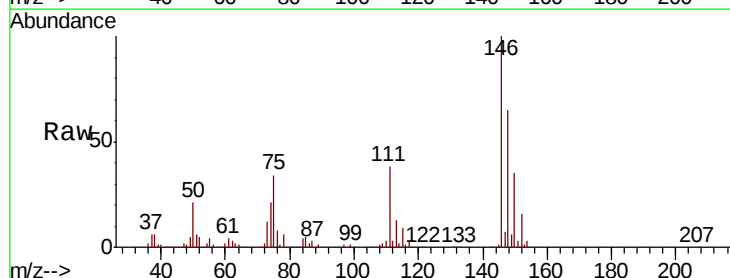
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

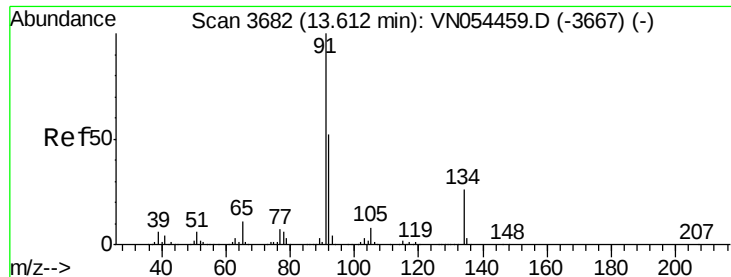
Tot Ion:146 Resp: 451779
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.8 56.3
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.027 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion:146 Resp: 437612
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.1 54.1
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 52.495 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

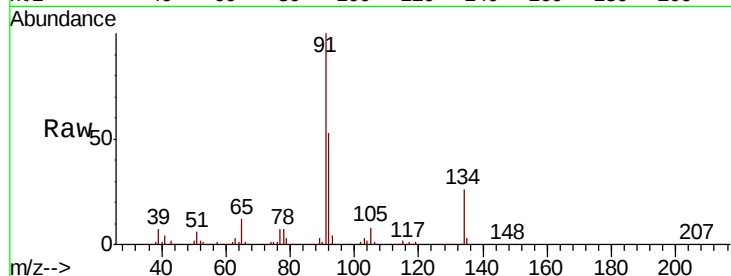
Tot Ion: 91 Resp: 714420

Ion Ratio Lower Upper

91 100

92 51.7 26.2 78.6

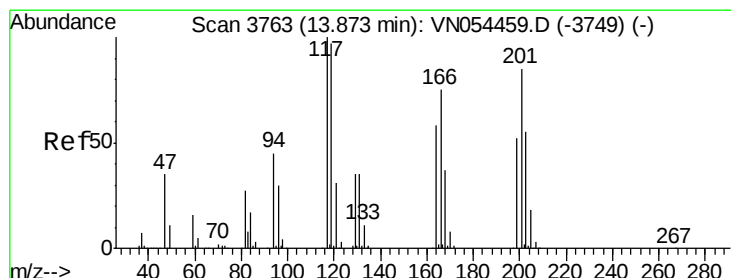
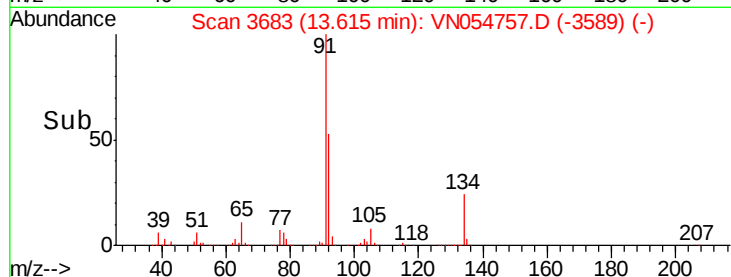
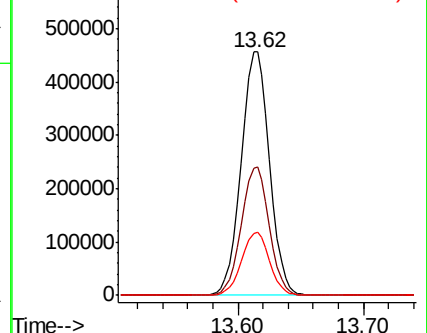
134 25.6 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 53.617 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054757.D

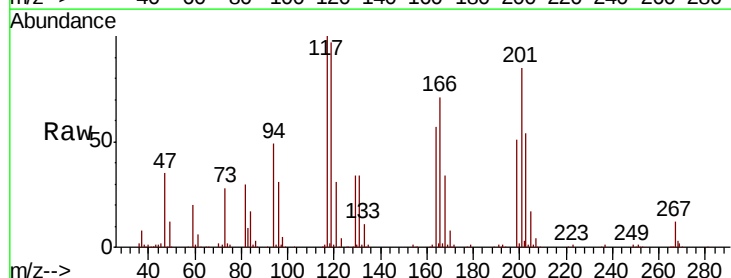
Acq: 28 Mar 2019 20:48

Tgt Ion: 117 Resp: 144853

Ion Ratio Lower Upper

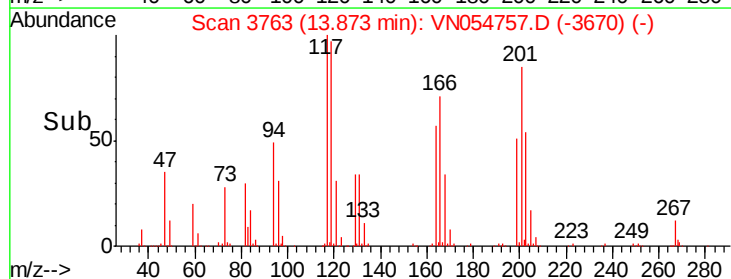
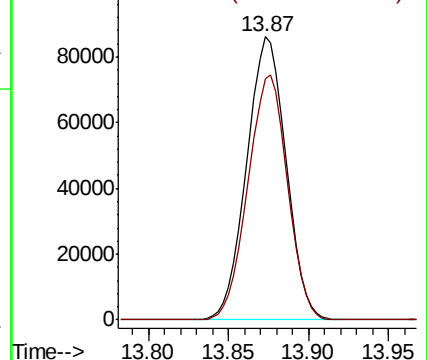
117 100

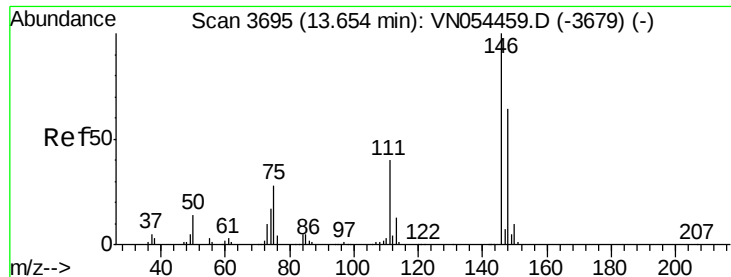
201 86.7 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 51.644 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

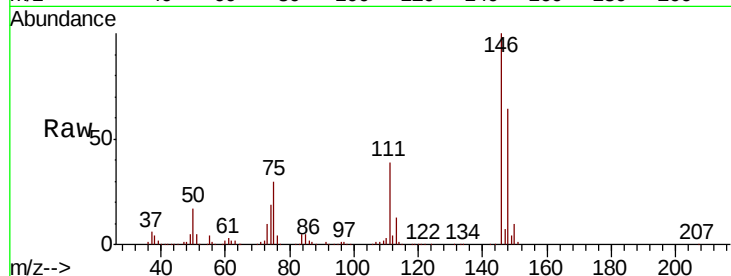
Tot Ion:146 Resp: 449725

Ion Ratio Lower Upper

146 100

111 40.2 19.1 57.3

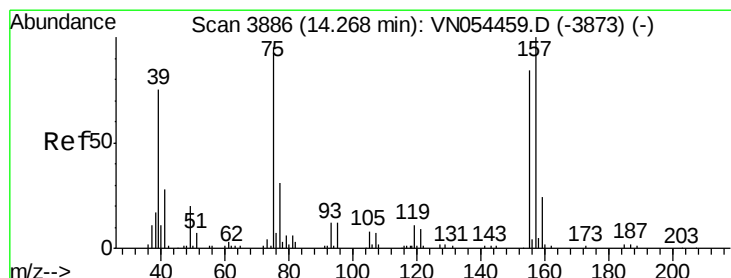
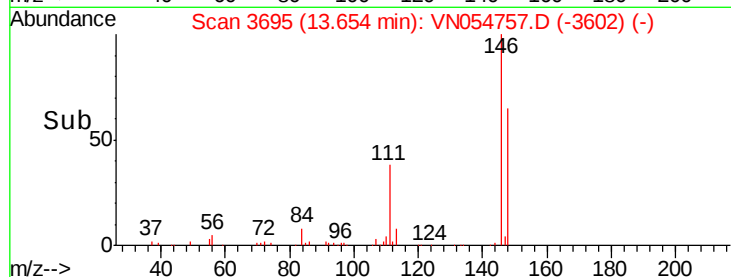
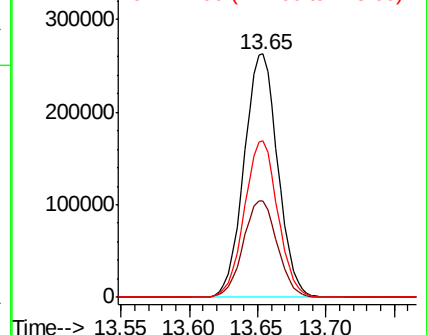
148 63.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.619 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

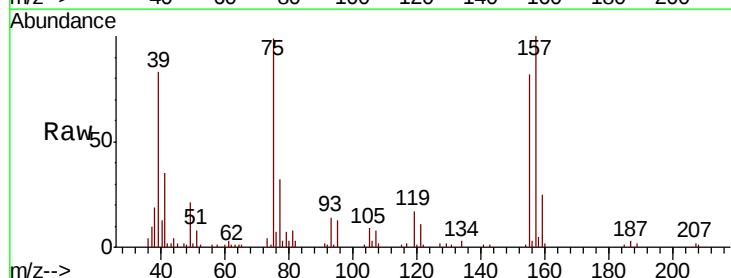
Tgt Ion: 75 Resp: 40005

Ion Ratio Lower Upper

75 100

155 83.6 50.1 150.3

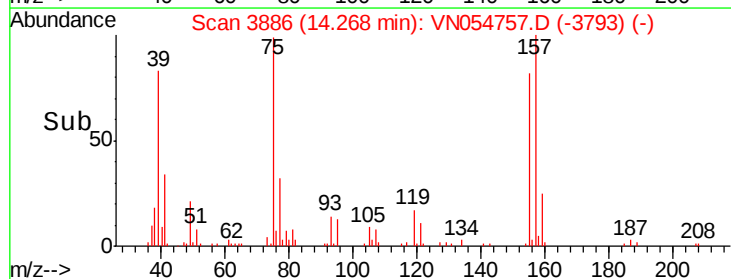
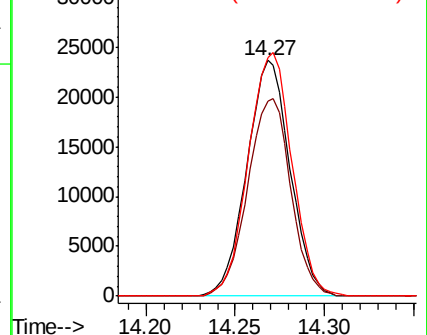
157 104.5 63.1 189.3

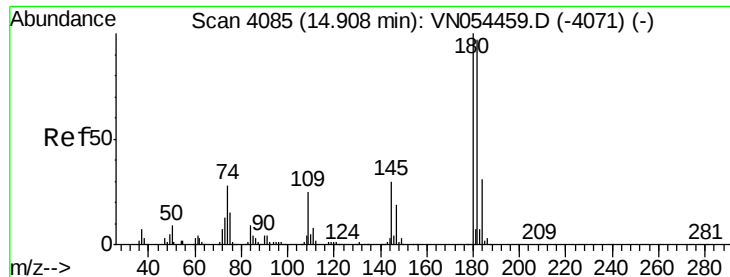


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

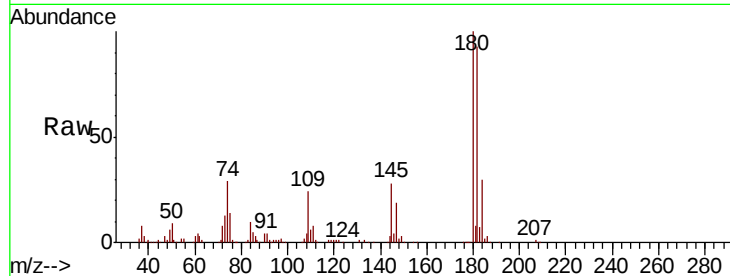




#93
 1,2,4-Trichlorobenzene
 Concen: 51.359 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	28.9	14.2	42.8

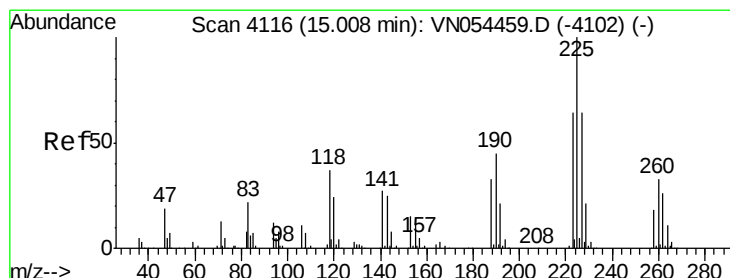
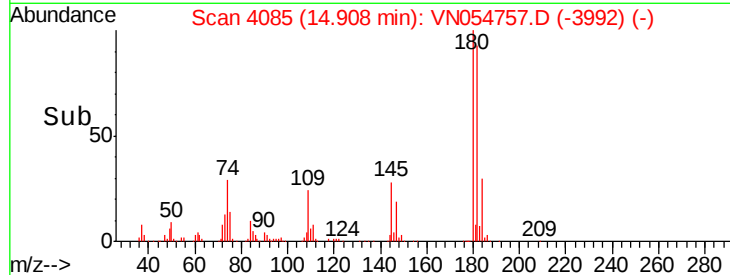
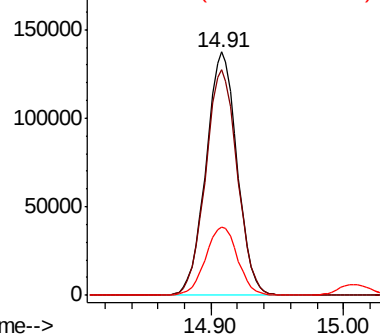


Abundance

Ion 179.80 (179.50 to 180.50): V

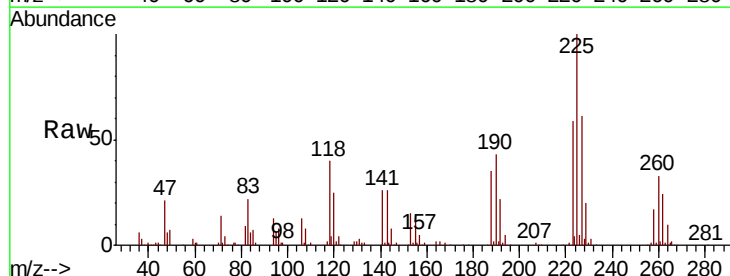
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 55.253 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.1	93.5
227	63.4	31.9	95.9

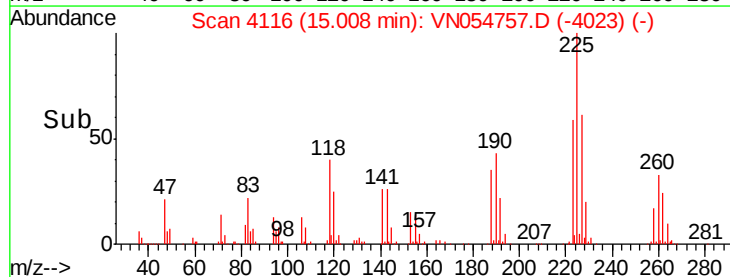
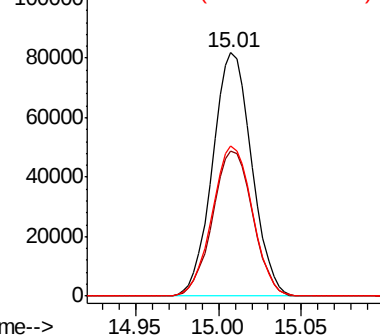


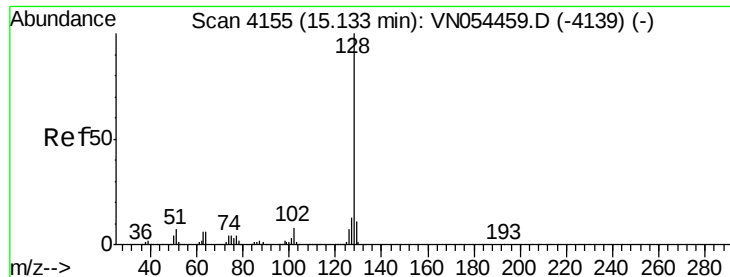
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.065 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

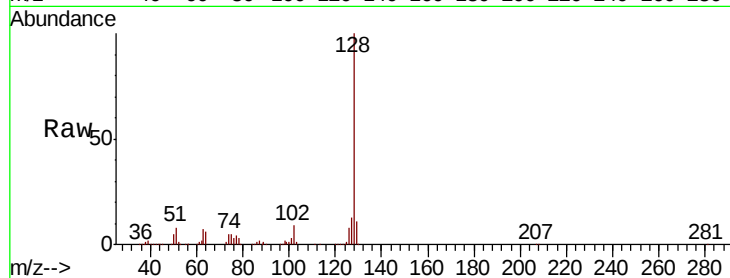
Tot Ion:128 Resp: 484777

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

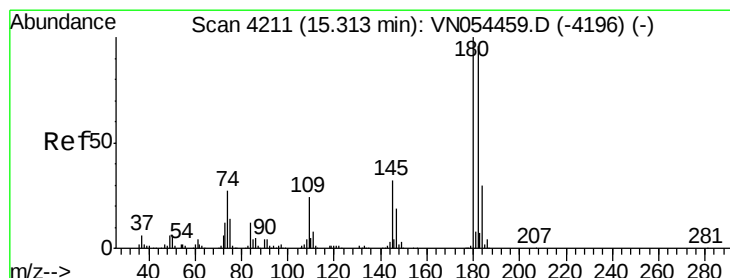
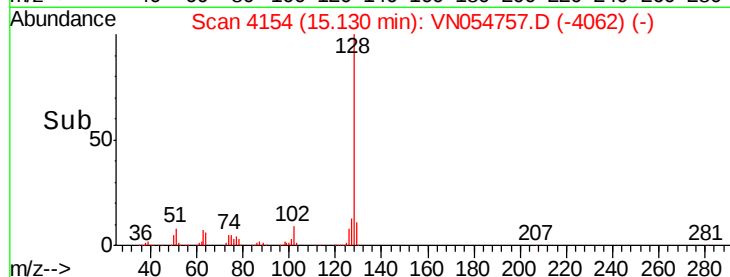
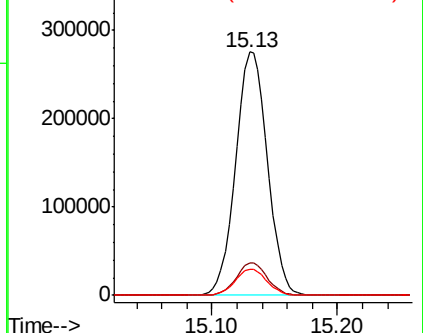
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.508 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

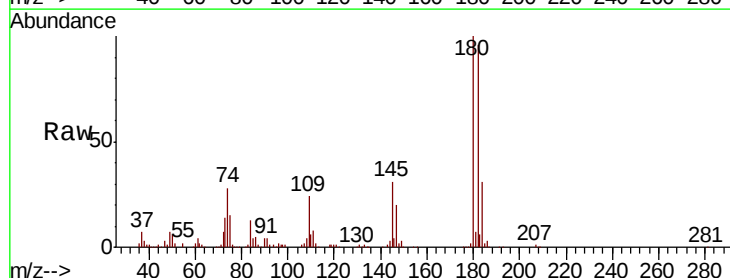
Tgt Ion:180 Resp: 218224

Ion Ratio Lower Upper

180 100

182 94.5 47.5 142.6

145 30.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

