

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054794.D
 Acq On : 30 Mar 2019 11:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 30 22:37:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	475457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	741277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	295513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	310885	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.59	113	243915	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.09	98	914262	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	317314	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	226993	47.199	ug/l	98
3) Chloromethane	2.06	50	304384	45.774	ug/l	100
4) Vinyl Chloride	2.19	62	272757	45.676	ug/l	100
5) Bromomethane	2.57	94	153633	49.027	ug/l	98
6) Chloroethane	2.71	64	150253	45.060	ug/l	99
7) Trichlorofluoromethane	3.02	101	348153	47.422	ug/l	100
8) Diethyl Ether	3.41	74	112036	47.393	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	183115	47.380	ug/l	93
10) Methyl Iodide	3.94	142	256852	48.547	ug/l #	87
11) Tert butyl alcohol	4.82	59	90069	269.720	ug/l	98
12) 1,1-Dichloroethene	3.73	96	173698	46.476	ug/l #	70
13) Acrolein	3.61	56	80213	268.691	ug/l	96
14) Allyl chloride	4.32	41	436460	47.412	ug/l #	91
15) Acrylonitrile	4.99	53	478445	257.767	ug/l	100
16) Acetone	3.82	43	458036	299.685	ug/l #	81
17) Carbon Disulfide	4.04	76	564495	46.568	ug/l	100
18) Methyl Acetate	4.33	43	212902	53.546	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	644749	49.318	ug/l	94
20) Methylene Chloride	4.54	84	248110	46.021	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	235826	48.040	ug/l	87
22) Diisopropyl ether	5.96	45	894066	49.105	ug/l #	94
23) Vinyl Acetate	5.90	43	3312240	261.414	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	468535	48.241	ug/l	98
25) 2-Butanone	6.85	43	663124	293.515	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	344577	50.618	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	267877	48.305	ug/l	87
28) Bromochloromethane	7.20	49	260722	53.684	ug/l #	71
29) Tetrahydrofuran	7.22	42	398464	253.935	ug/l #	85
30) Chloroform	7.37	83	449353	48.520	ug/l	98
31) Cyclohexane	7.65	56	448869	50.752	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	380791	49.615	ug/l	96
36) 1,1-Dichloropropene	7.79	75	344788	49.917	ug/l	96
37) Ethyl Acetate	6.94	43	265487	52.413	ug/l	95
38) Carbon Tetrachloride	7.77	117	324866	48.424	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	390822	51.466	ug/l	89
40) Benzene	8.04	78	1012671	51.237	ug/l	100
41) Methacrylonitrile	7.17	41	147836	51.956	ug/l	90
42) 1,2-Dichloroethane	8.13	62	360411	51.071	ug/l	97
43) Isopropyl Acetate	8.17	43	456222	55.432	ug/l #	94
44) Trichloroethene	8.84	130	264123	51.480	ug/l	92
45) 1,2-Dichloropropane	9.12	63	282688	50.161	ug/l	98
46) Dibromomethane	9.21	93	163926	51.707	ug/l	87
47) Bromodichloromethane	9.40	83	341050	51.763	ug/l	97
48) Methyl methacrylate	9.20	41	236025	52.903	ug/l	87
49) 1,4-Dioxane	9.20	88	51521	1163.849	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1311323	283.388	ug/l	93
52) Toluene	10.16	92	606814	51.597	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	336226	54.249	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	405425	54.761	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	223769	51.170	ug/l	96
56) Ethyl methacrylate	10.43	69	312812	54.530	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	392974	52.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	587403	238.223	ug/l #	89
59) 2-Hexanone	10.75	43	867385	292.816	ug/l	91
60) Dibromochloromethane	10.90	129	240489	54.289	ug/l	100
61) 1,2-Dibromoethane	11.01	107	220329	52.722	ug/l	100
64) Tetrachloroethene	10.63	164	249560	49.618	ug/l	98
65) Chlorobenzene	11.43	112	639876	49.863	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	239611	49.885	ug/l	99
67) Ethyl Benzene	11.51	91	1175663	50.769	ug/l	96
68) m/p-Xylenes	11.62	106	873159	101.889	ug/l	94
69) o-Xylene	11.95	106	420809	50.076	ug/l	95
70) Styrene	11.96	104	715733	53.268	ug/l	97
71) Bromoform	12.13	173	150642	53.534	ug/l #	99
73) Isopropylbenzene	12.25	105	1127956	46.698	ug/l	98
74) N-amyl acetate	12.07	43	386881	51.413	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	283658	53.389	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	338953	66.025	ug/l #	100
77) Bromobenzene	12.53	156	280084	48.046	ug/l	86
78) n-propylbenzene	12.59	91	1286027	48.442	ug/l	96
79) 2-Chlorotoluene	12.67	91	766720	46.682	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	945859	47.724	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	68141	51.629	ug/l	86
82) 4-Chlorotoluene	12.77	91	767442	48.107	ug/l	96
83) tert-Butylbenzene	12.99	119	786442	51.266	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	940298	49.799	ug/l	97
85) sec-Butylbenzene	13.17	105	1037625	48.195	ug/l	97
86) p-Isopropyltoluene	13.29	119	928770	48.911	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	482991	49.487	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	470003	49.099	ug/l	99
89) n-Butylbenzene	13.61	91	807621	52.128	ug/l	97
90) Hexachloroethane	13.87	117	150641	46.724	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	468957	47.610	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42937	51.999	ug/l	83

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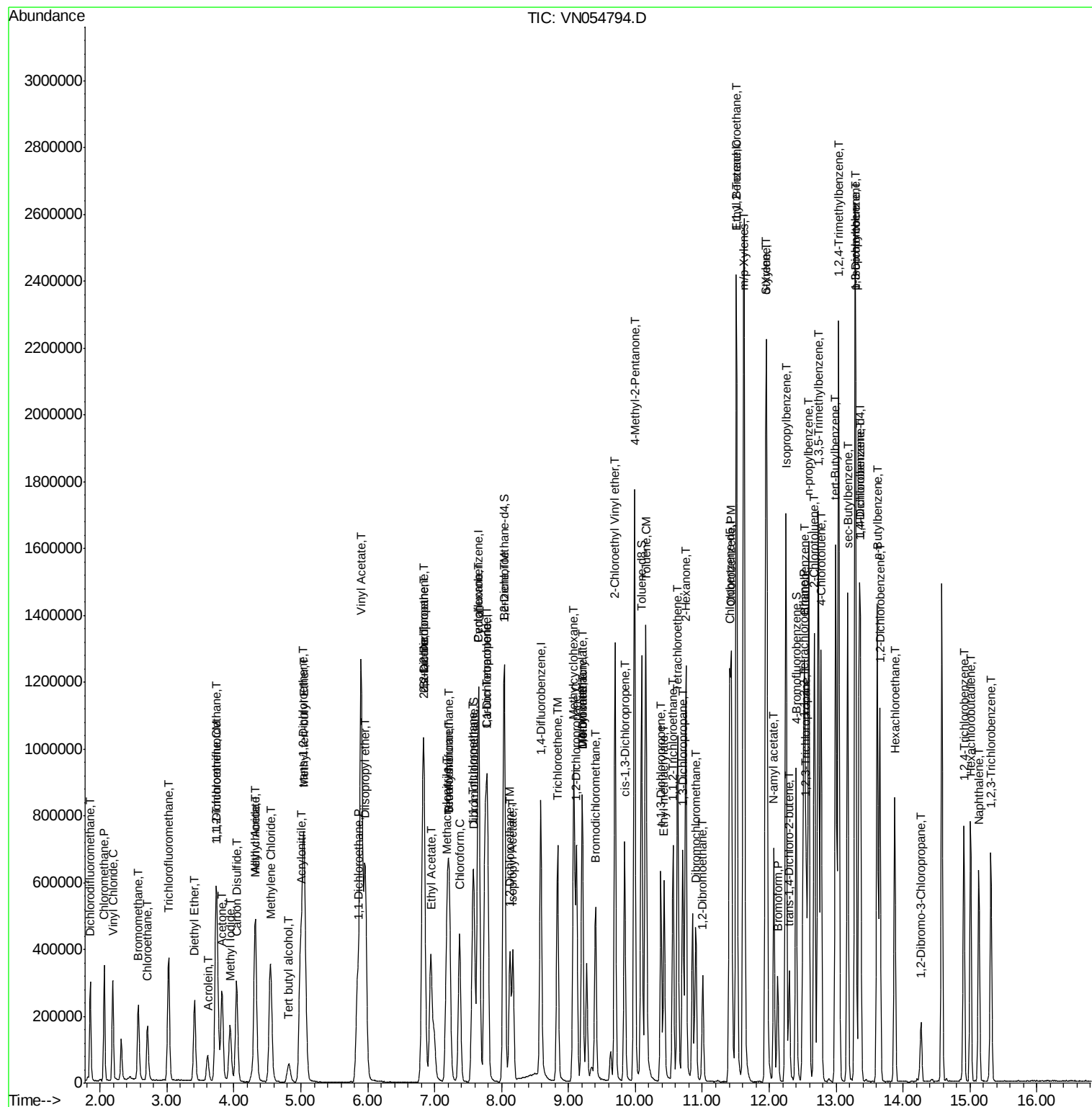
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	247614	52.143	ug/l	98
94) Hexachlorobutadiene	15.01	225	153261	54.693	ug/l	99
95) Naphthalene	15.13	128	542580	50.944	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	239376	49.913	ug/l	98

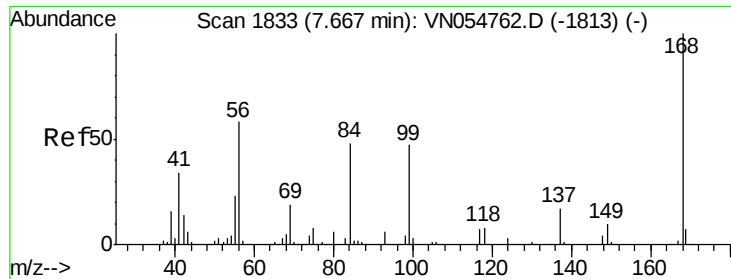
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

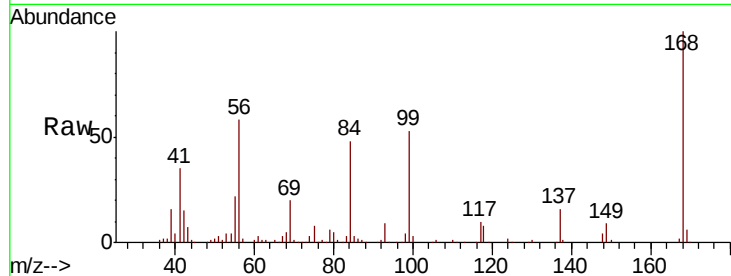
VSTDCCC050

Tot Ion:168 Resp: 475457

Ion Ratio Lower Upper

168 100

99 52.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

200000

150000

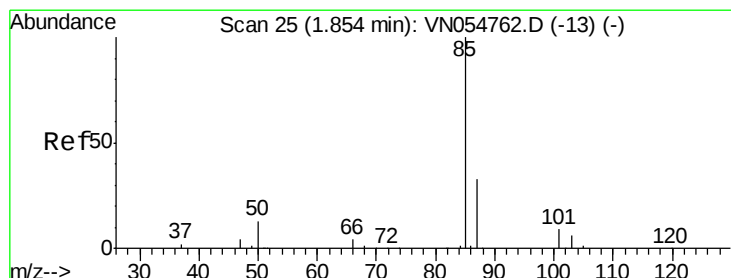
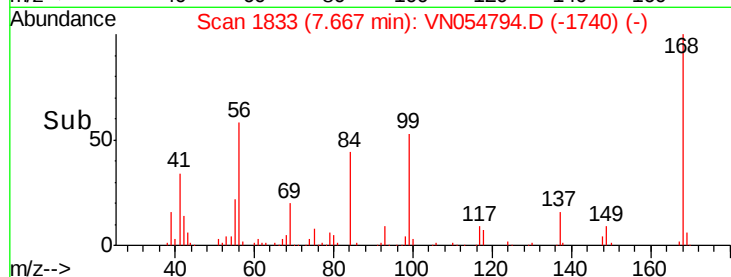
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.199 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054794.D

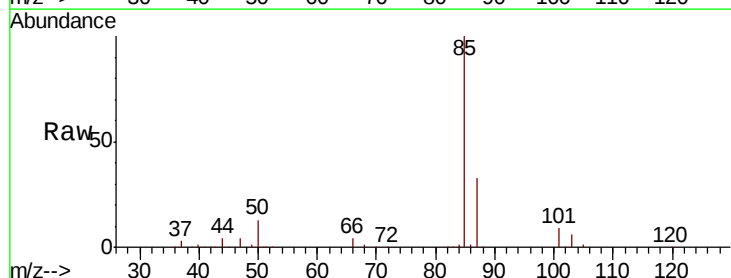
Acq: 30 Mar 2019 11:28

Tgt Ion: 85 Resp: 226993

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054762.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN054762.D (-13) (-)

1.85

150000

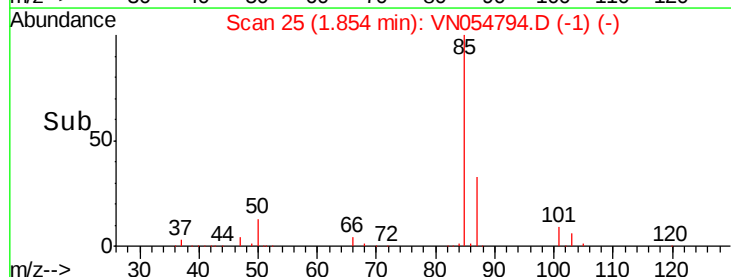
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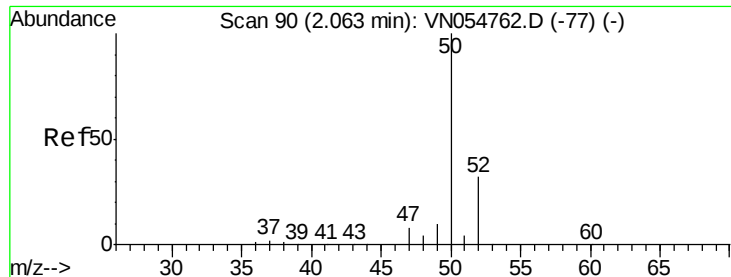
50000

0

1.80 1.85 1.90 1.95

Time-->

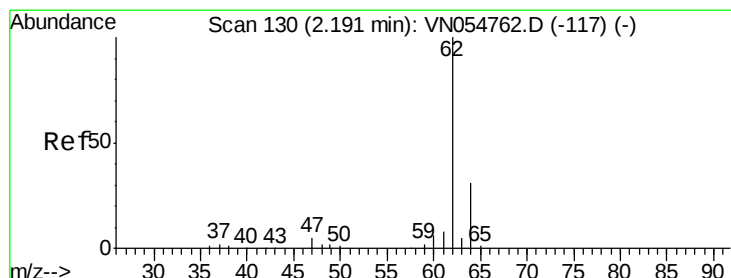
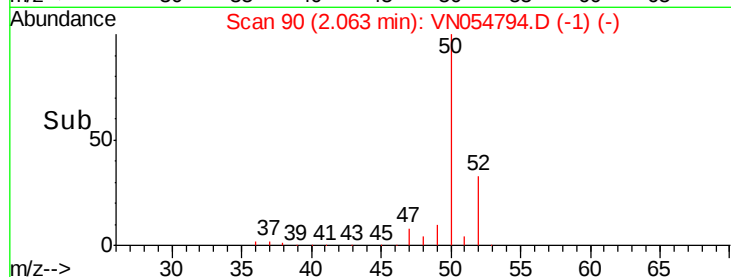
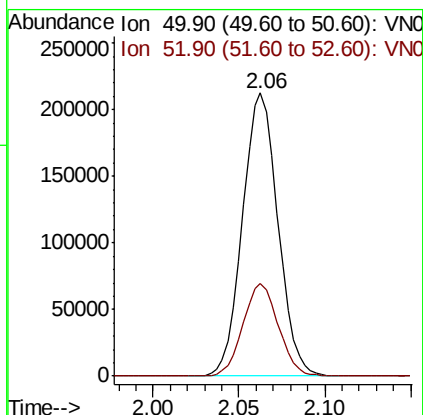
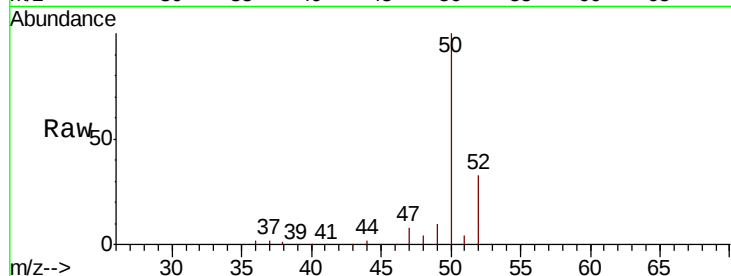




#3
 Chloromethane
 Concen: 45.774 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

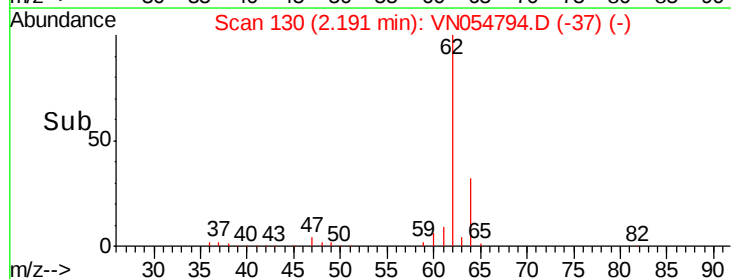
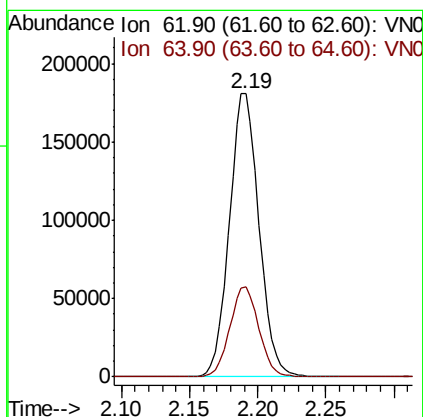
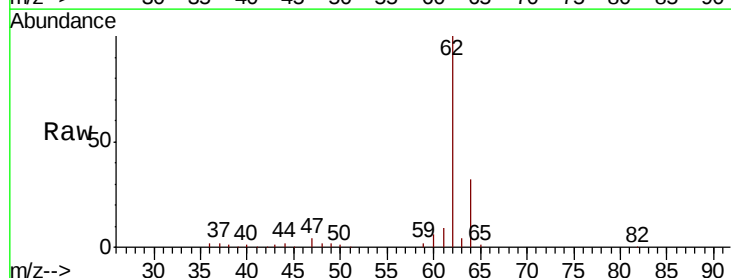
Instrument :
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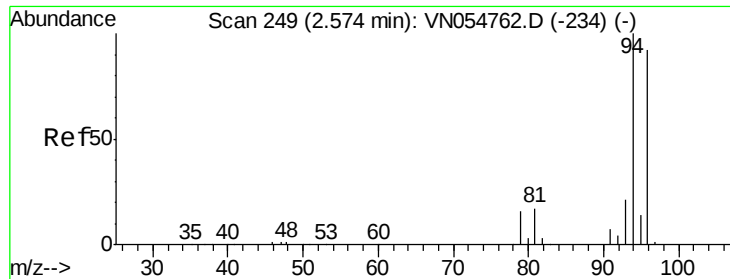
Tot Ion: 50 Resp: 304384
 Ion Ratio Lower Upper
 50 100
 52 32.7 26.4 39.6



#4
 Vinyl Chloride
 Concen: 45.676 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion: 62 Resp: 272757
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.5 38.3

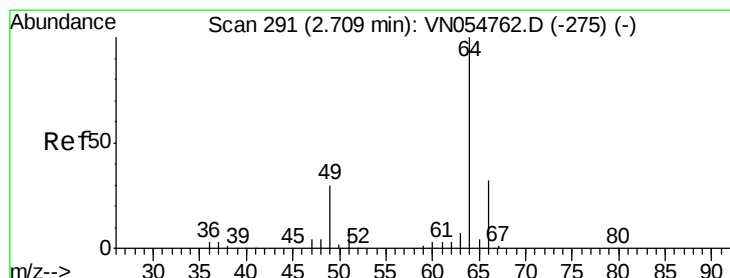
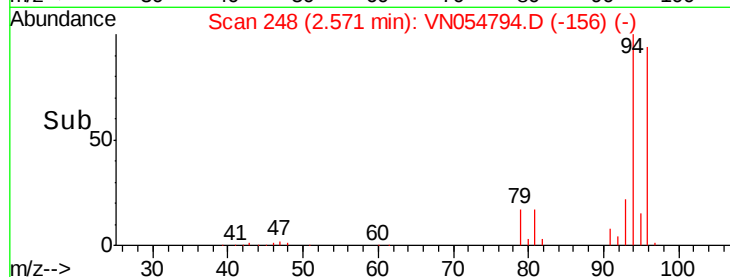
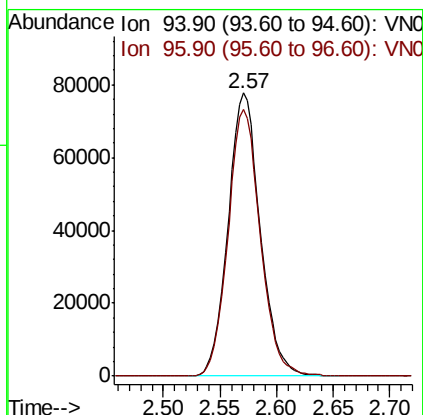
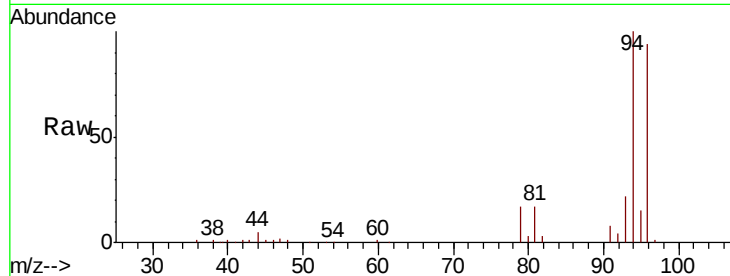




#5
Bromomethane
Concen: 49.027 ug/l
RT: 2.57 min Scan# 248
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

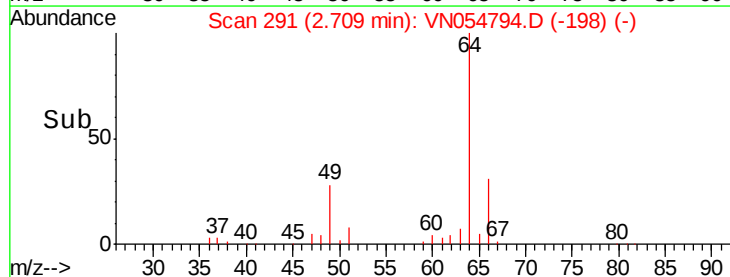
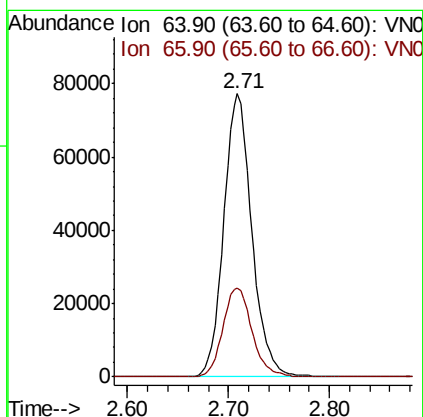
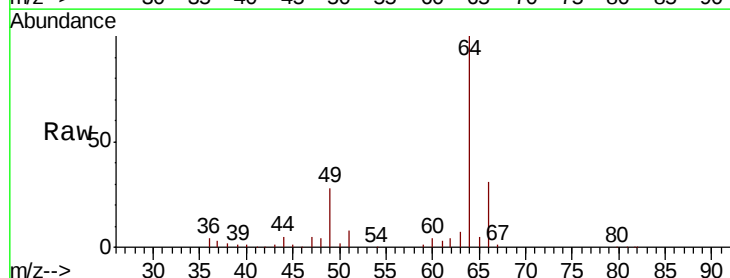
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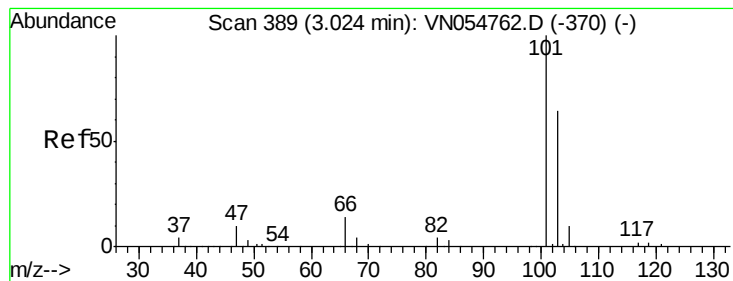
Tot Ion: 94 Resp: 153633
Ion Ratio Lower Upper
94 100
96 94.4 77.0 115.4



#6
Chloroethane
Concen: 45.060 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 64 Resp: 150253
Ion Ratio Lower Upper
64 100
66 31.5 25.7 38.5



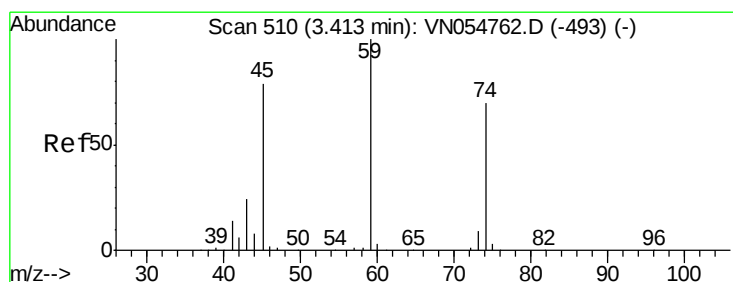
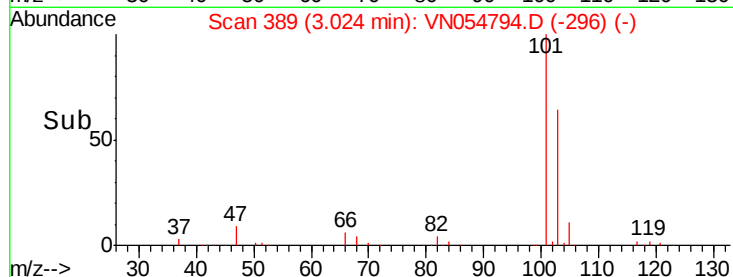
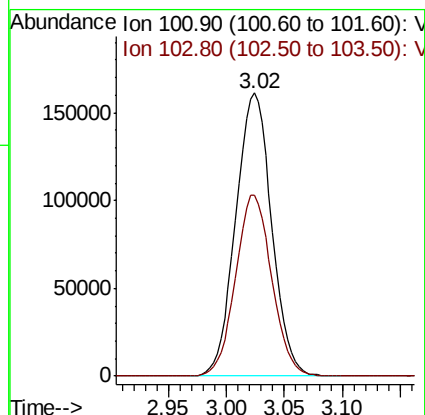
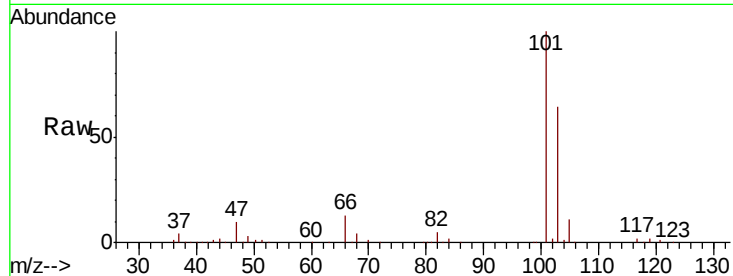


#7

Trichlorofluoromethane
 Concen: 47.422 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054794.D
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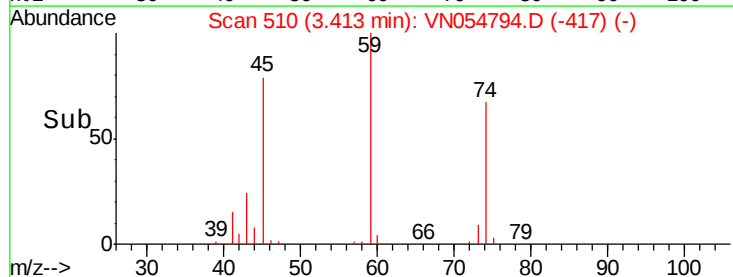
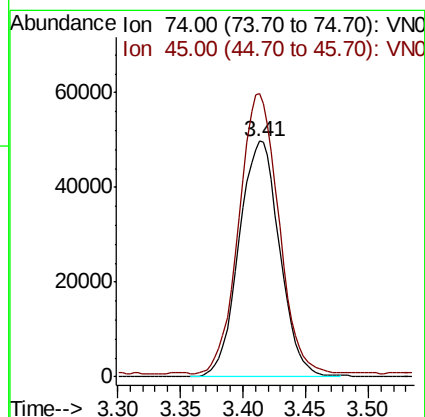
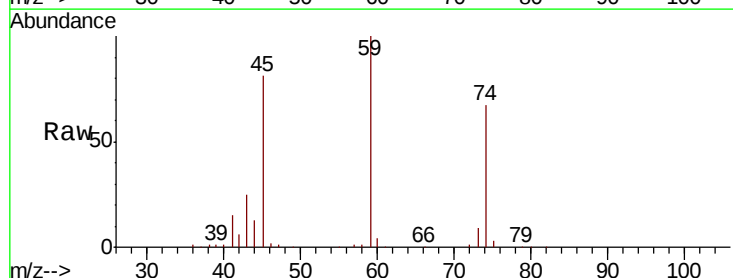
Tot Ion:101 Resp: 348153
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.2

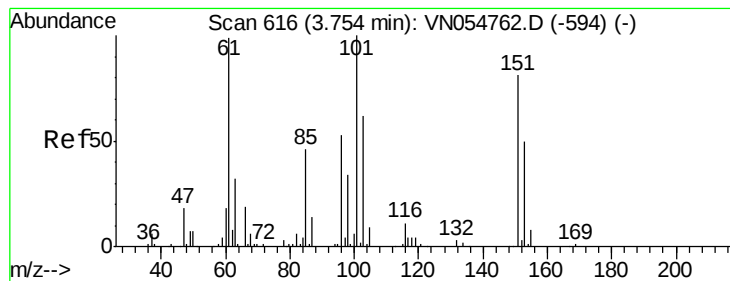


#8

Diethyl Ether
 Concen: 47.393 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion: 74 Resp: 112036
 Ion Ratio Lower Upper
 74 100
 45 115.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.380 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

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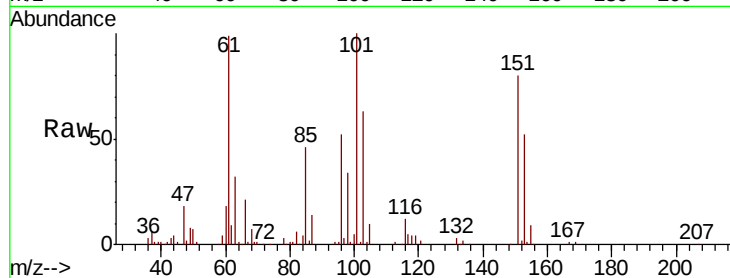
Tot Ion:101 Resp: 183115

Ion Ratio Lower Upper

101 100

85 47.0 32.4 48.6

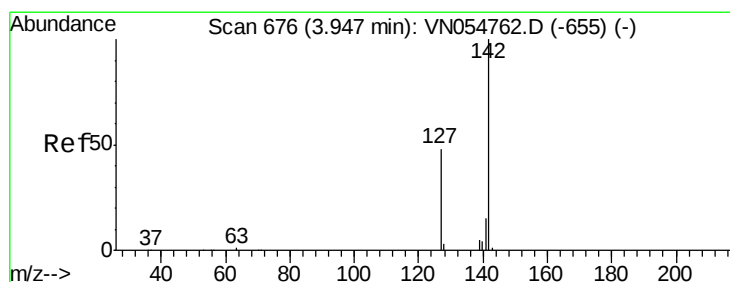
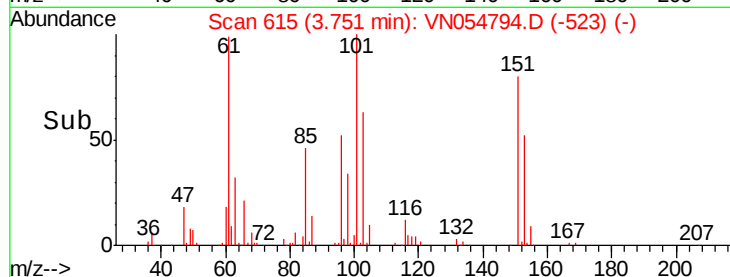
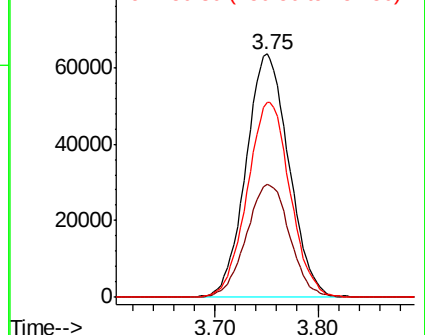
151 80.1 68.2 102.2



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: 48.547 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

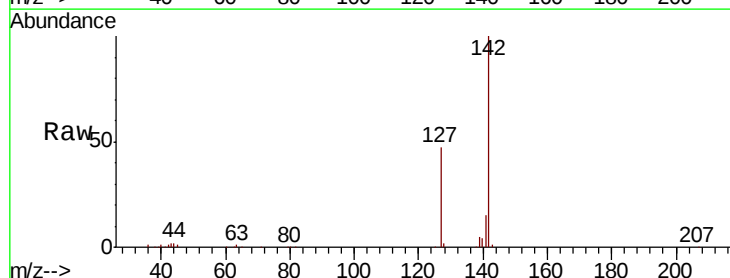
Tgt Ion:142 Resp: 256852

Ion Ratio Lower Upper

142 100

127 48.2 30.3 45.5#

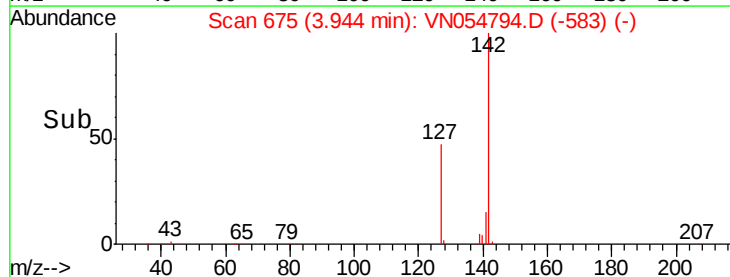
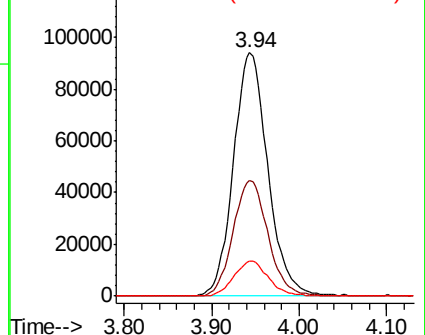
141 14.5 11.2 16.8

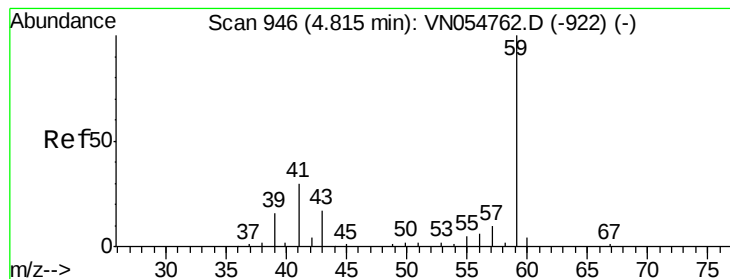


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



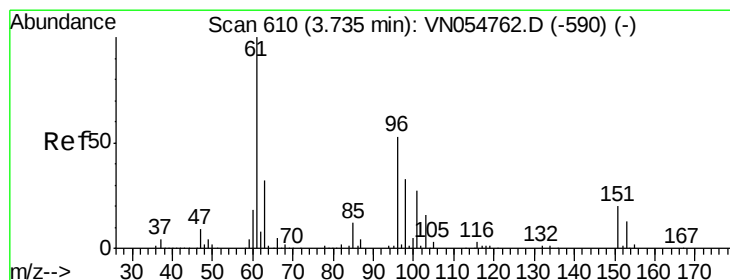
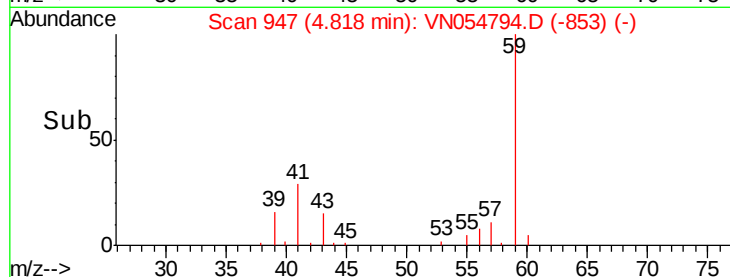
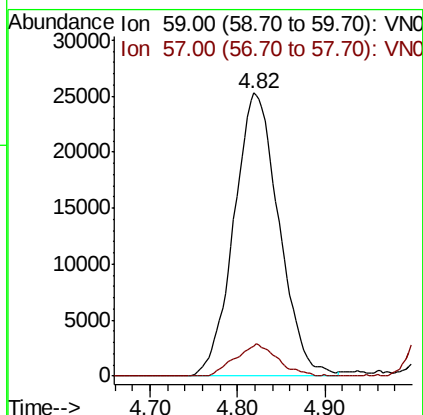
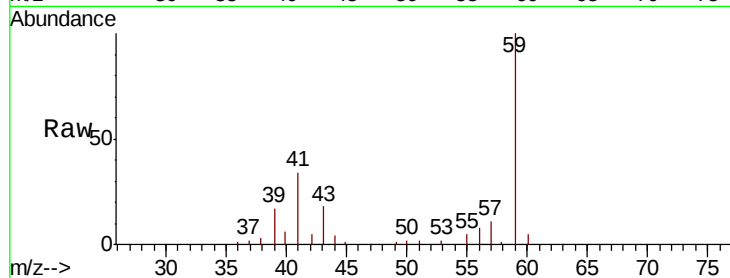


#11

Tert butyl alcohol
 Concen: 269.720 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

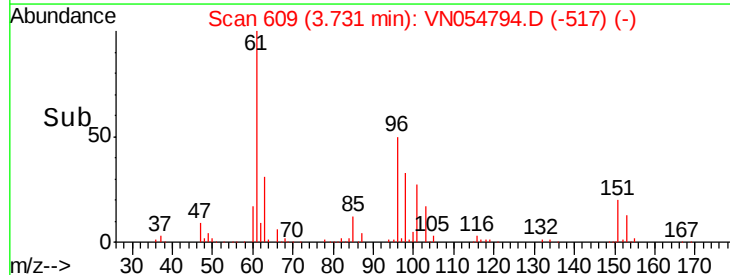
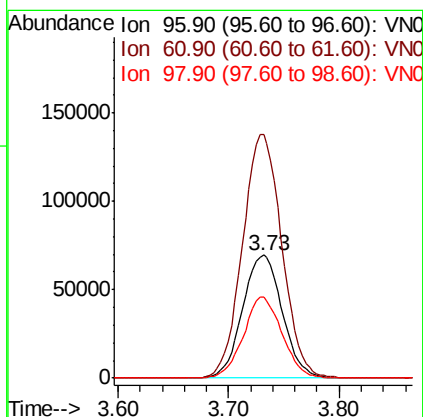
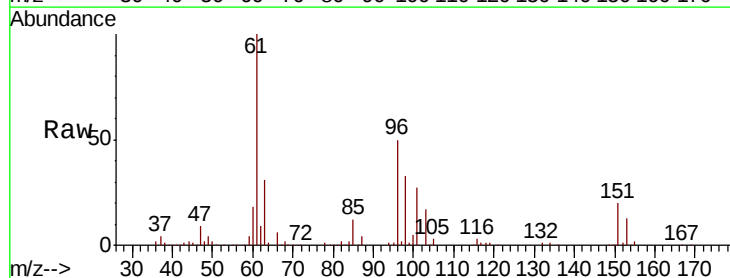
Tot Ion: 59 Resp: 90069
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

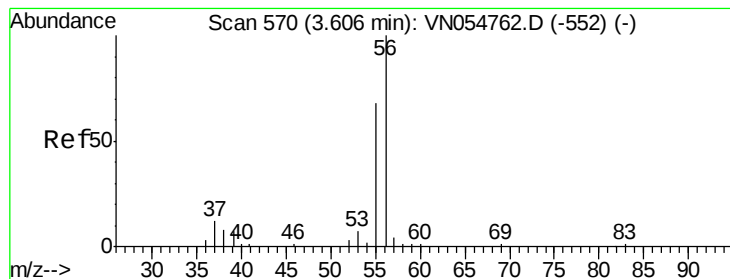


#12

1,1-Dichloroethene
 Concen: 46.476 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion: 96 Resp: 173698
 Ion Ratio Lower Upper
 96 100
 61 198.2 116.5 174.7#
 98 66.2 51.0 76.4





#13

Acrolein

Concen: 268.691 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

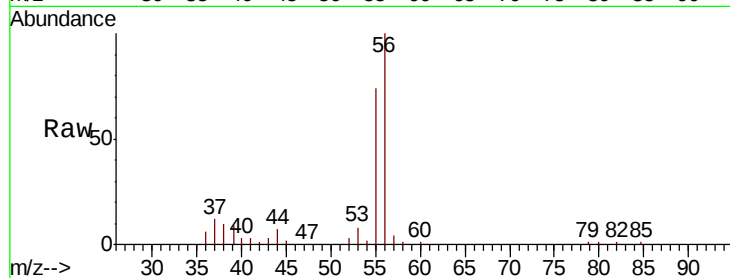
VSTDCCC050

Tot Ion: 56 Resp: 80213

Ion Ratio Lower Upper

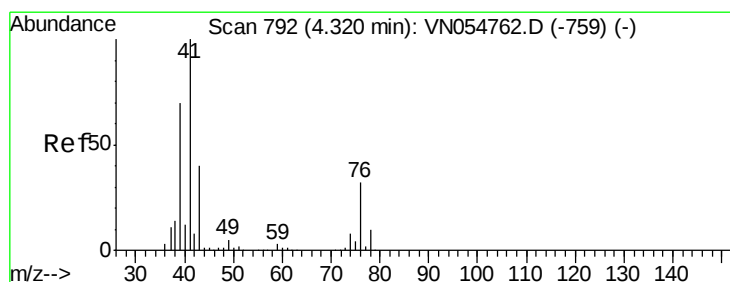
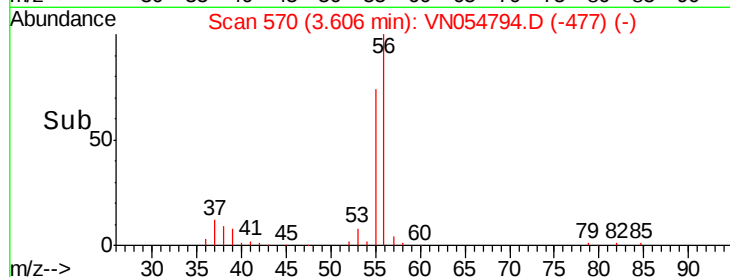
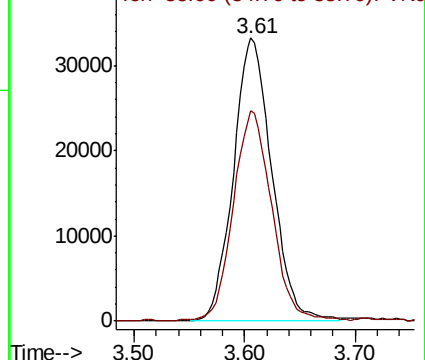
56 100

55 74.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.412 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

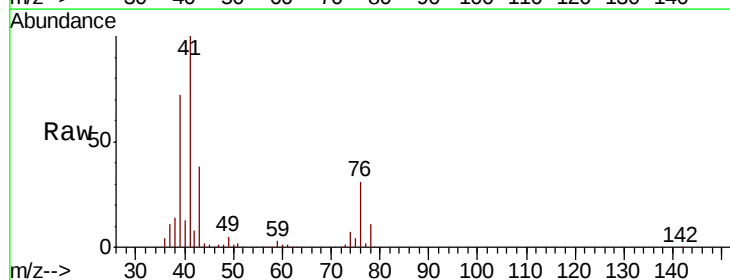
Tgt Ion: 41 Resp: 436460

Ion Ratio Lower Upper

41 100

39 69.2 58.2 87.4

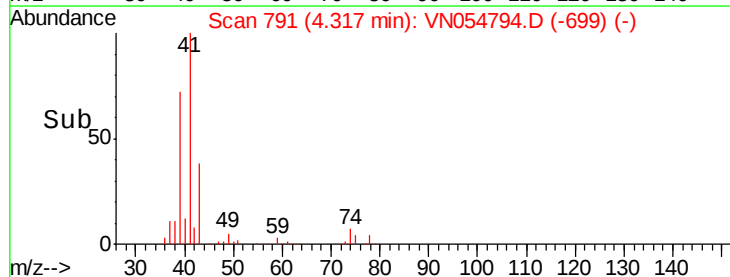
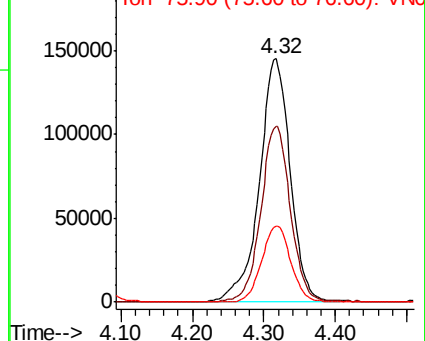
76 29.4 31.7 47.5#

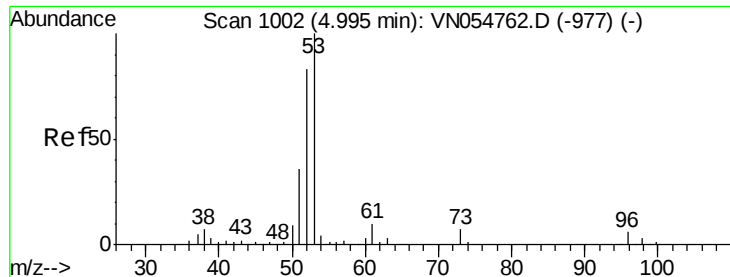


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 257.767 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

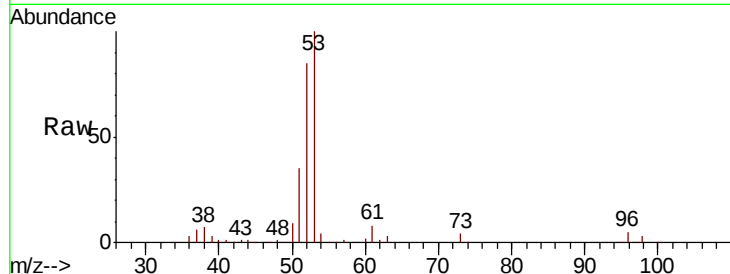
Tot Ion: 53 Resp: 478445

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

51 37.0 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054762.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN054762.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN054762.D (-977) (-)

4.99

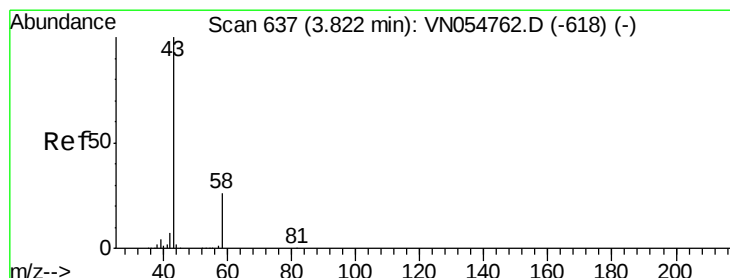
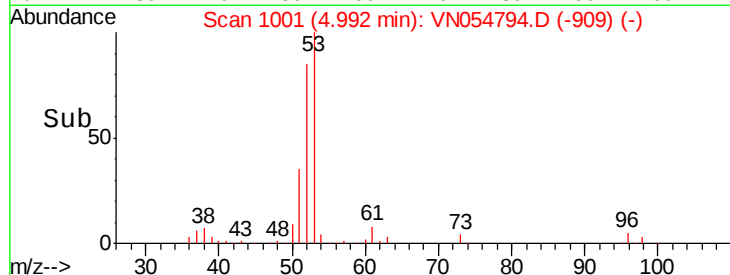
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 299.685 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054794.D

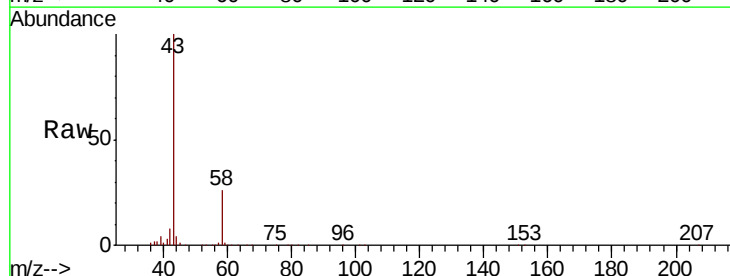
Acq: 30 Mar 2019 11:28

Tgt Ion: 43 Resp: 458036

Ion Ratio Lower Upper

43 100

58 25.8 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-618) (-)

200000

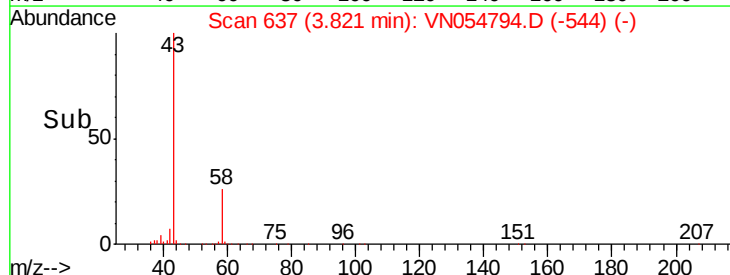
150000

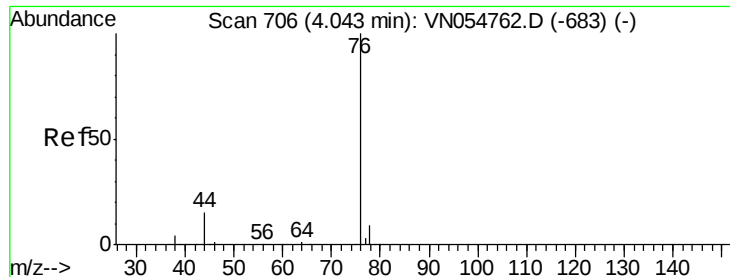
100000

50000

0

Time-->

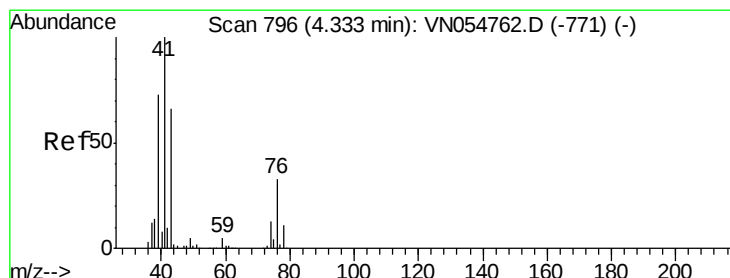
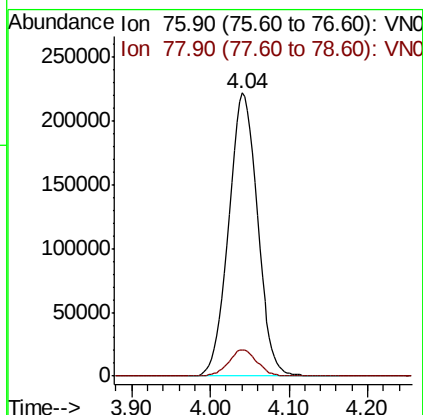
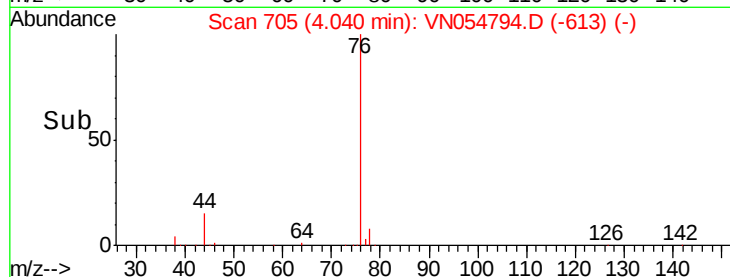
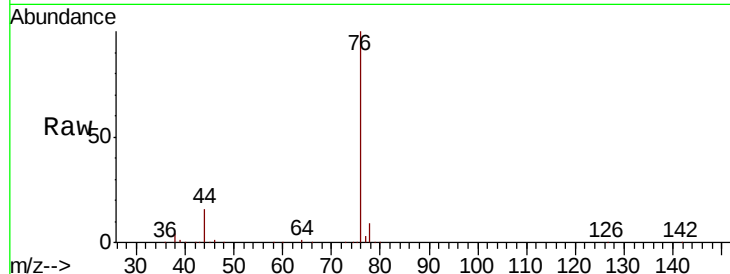




#17
Carbon Disulfide
Concen: 46.568 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

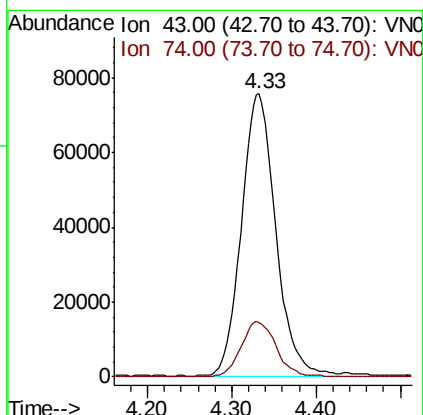
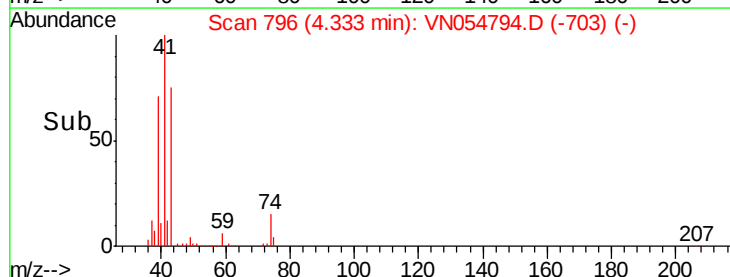
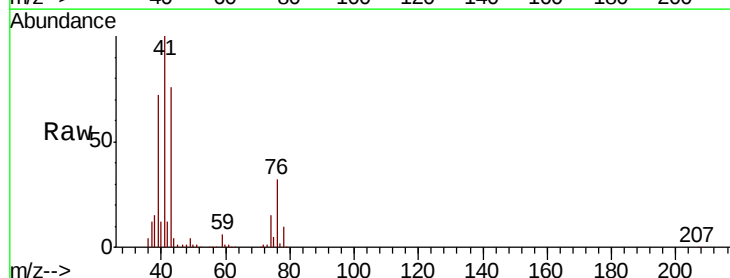
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

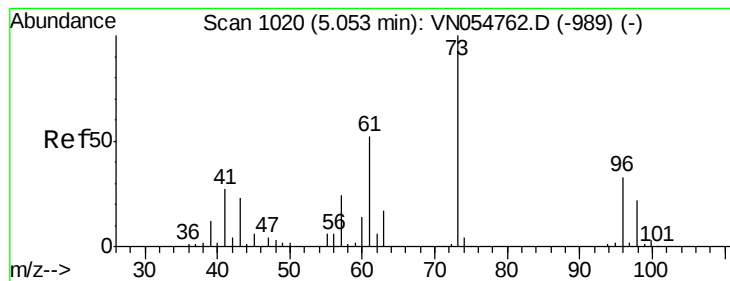
Tot Ion: 76 Resp: 564495
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 53.546 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 43 Resp: 212902
Ion Ratio Lower Upper
43 100
74 20.2 20.8 31.2#





#19

Methyl tert-butyl Ether

Concen: 49.318 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

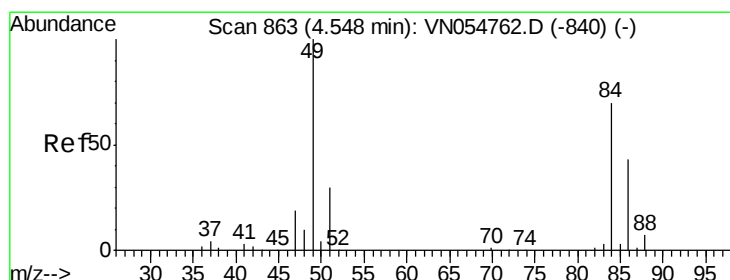
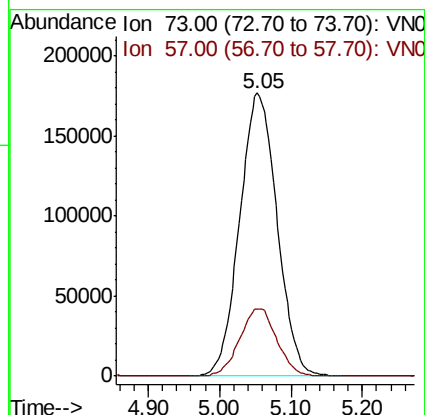
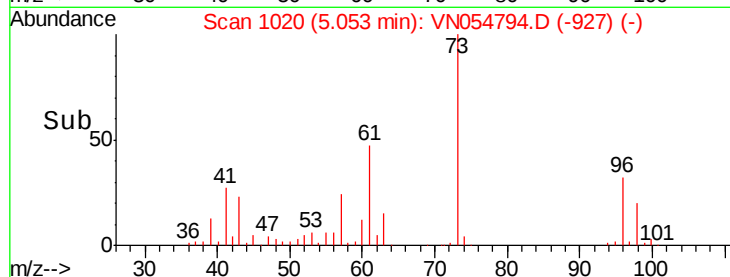
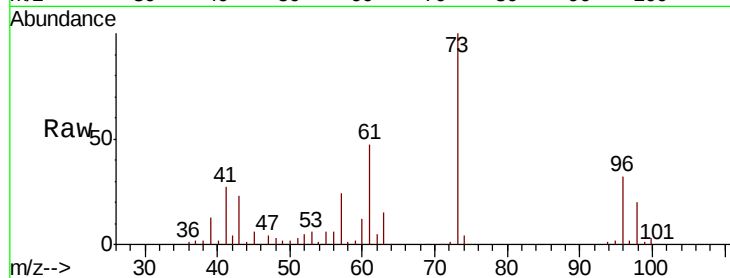
VSTDCCC050

Tot Ion: 73 Resp: 644749

Ion Ratio Lower Upper

73 100

57 23.7 16.8 25.2



#20

Methylene Chloride

Concen: 46.021 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion: 84 Resp: 248110

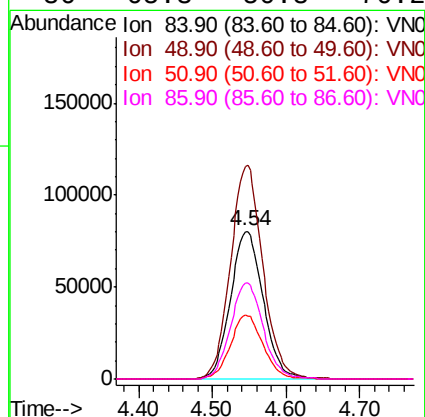
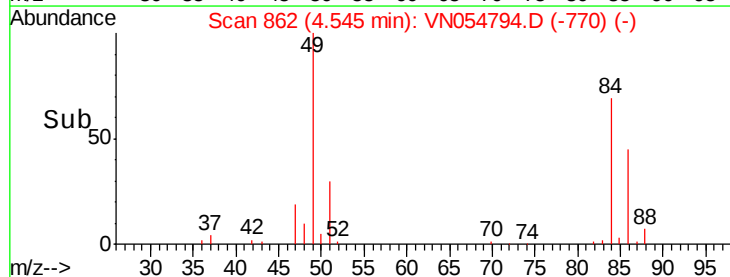
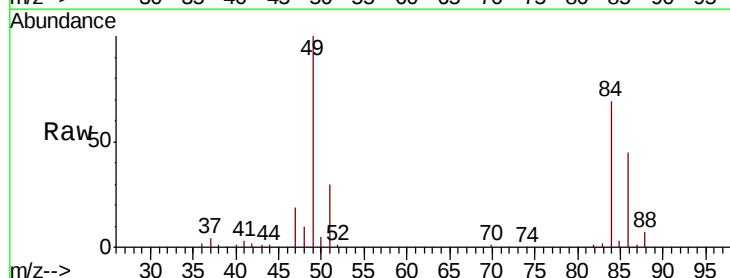
Ion Ratio Lower Upper

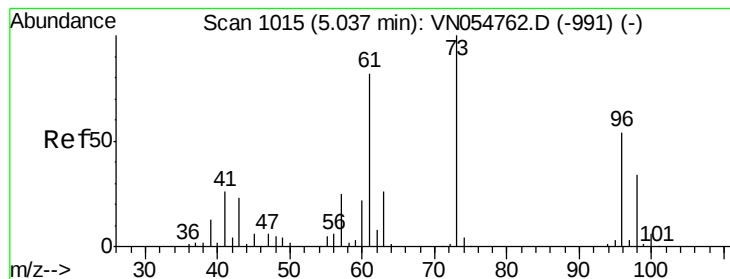
84 100

49 144.0 89.7 134.5#

51 43.1 28.2 42.4#

86 65.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.040 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

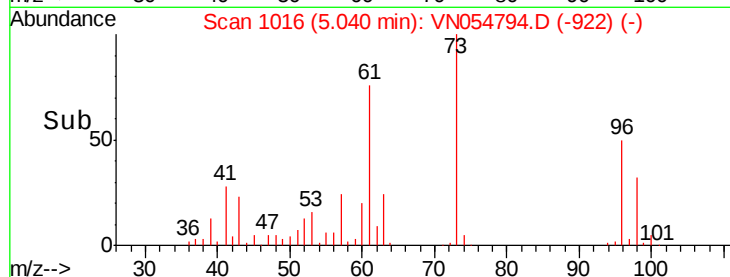
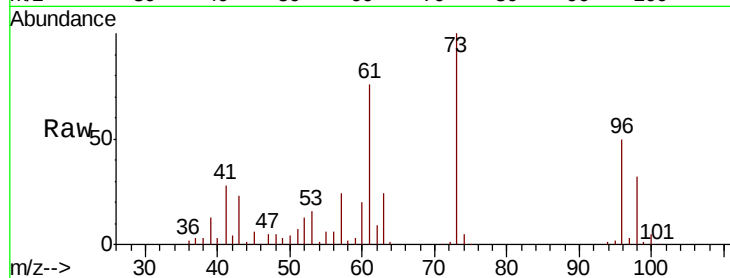
Tot Ion: 96 Resp: 235826

Ion Ratio Lower Upper

96 100

61 150.3 102.8 154.2

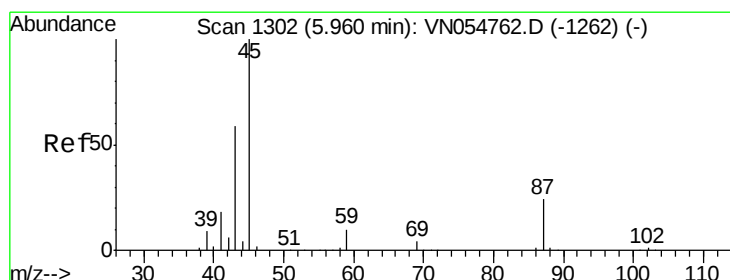
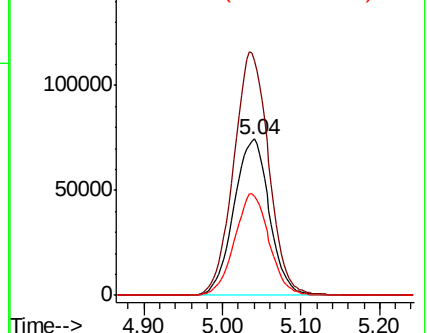
98 63.5 50.0 75.0



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: 49.105 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion: 45 Resp: 894066

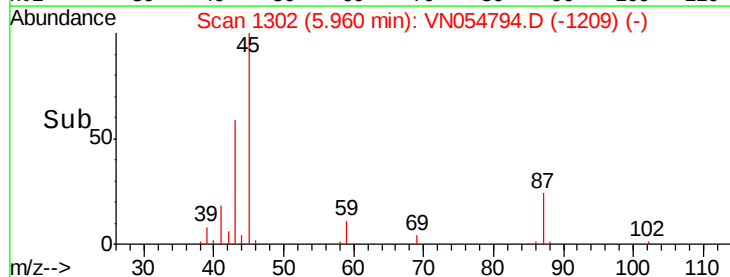
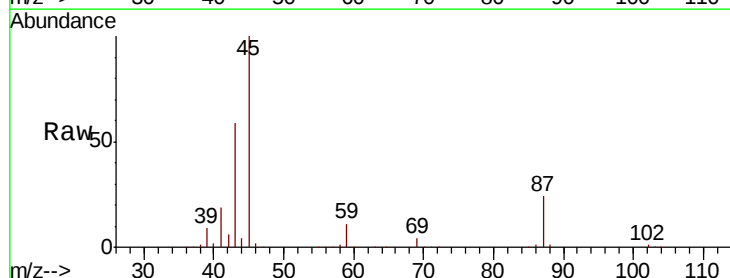
Ion Ratio Lower Upper

45 100

43 58.5 48.2 72.2

87 24.0 24.9 37.3#

59 10.7 9.5 14.3

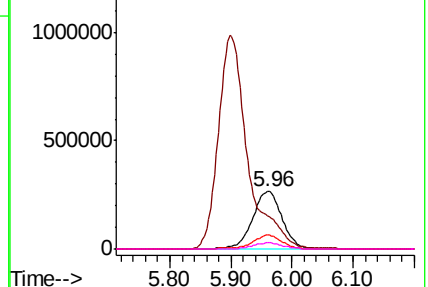


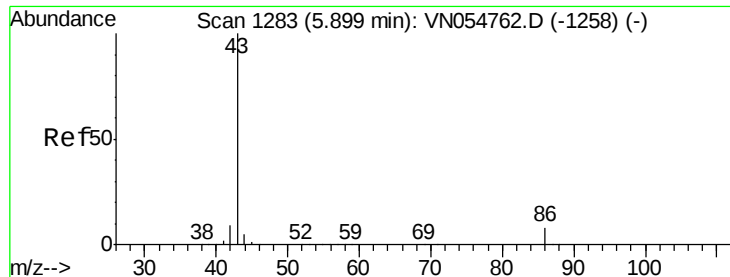
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 261.414 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

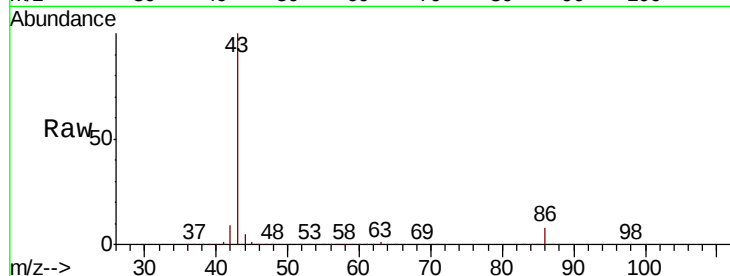
VSTDCCC050

Tot Ion: 43 Resp: 3312240

Ion Ratio Lower Upper

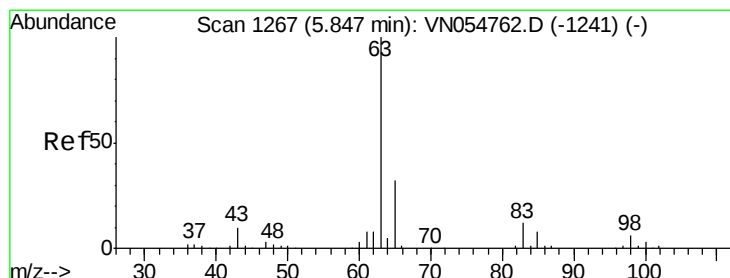
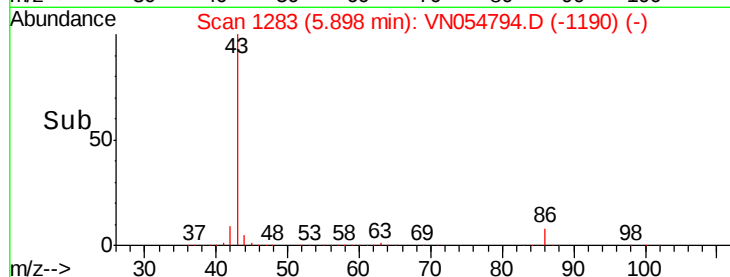
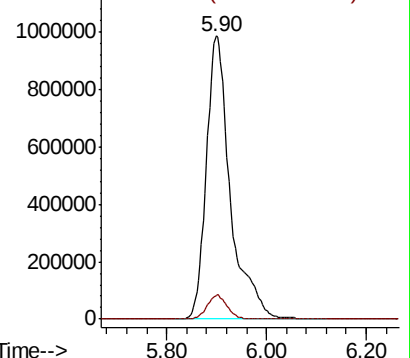
43 100

86 8.5 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: 48.241 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

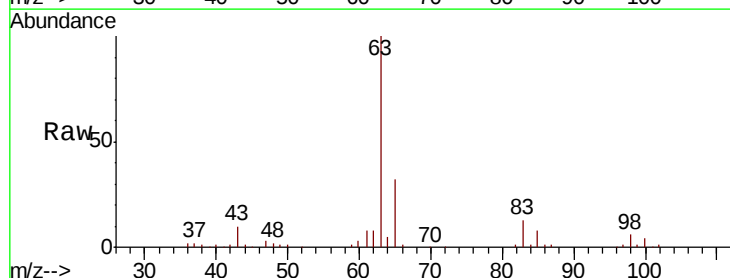
Tgt Ion: 63 Resp: 468535

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

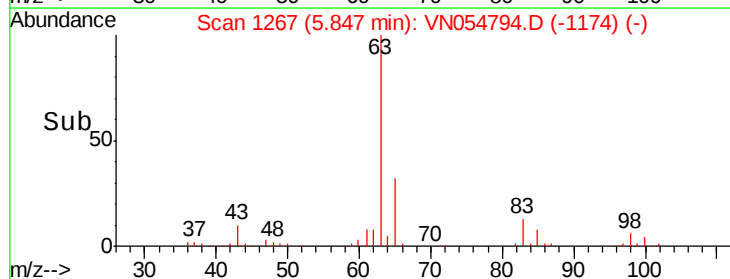
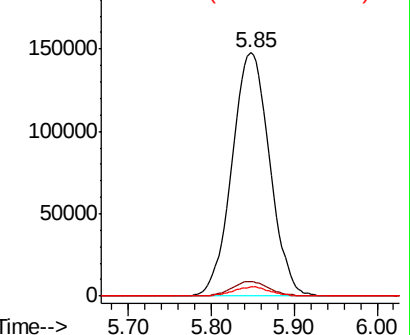
100 3.7 2.0 6.0

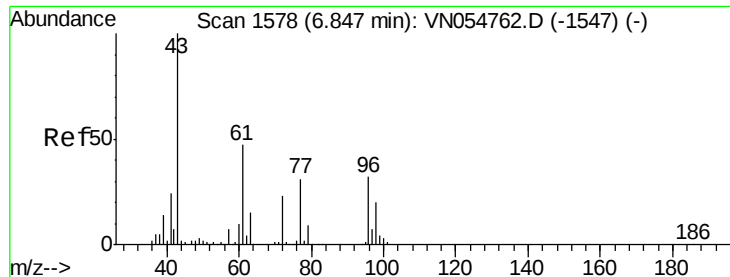


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 293.515 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

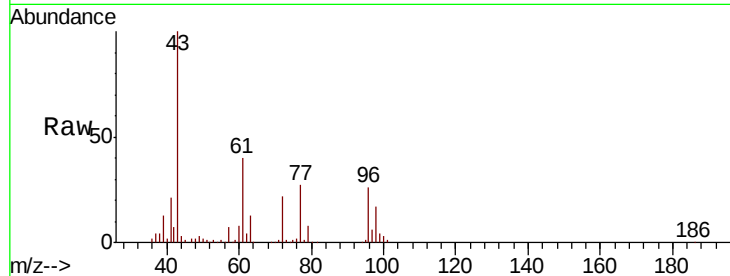
VSTDCCC050

Tot Ion: 43 Resp: 663124

Ion Ratio Lower Upper

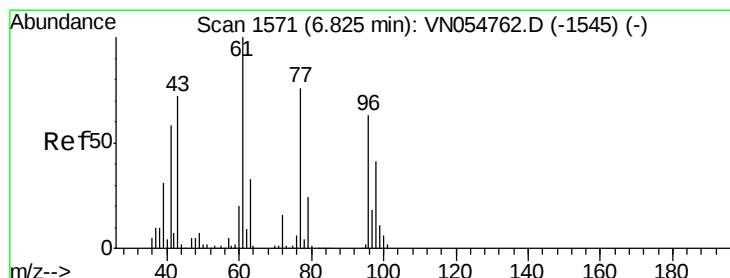
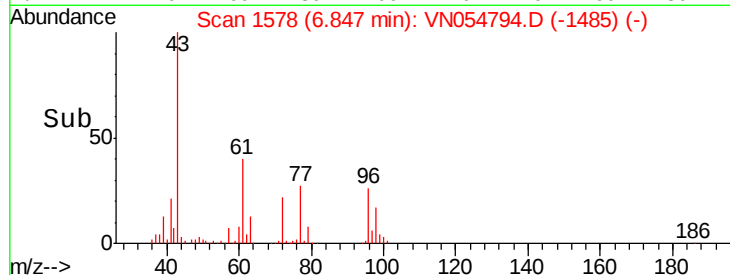
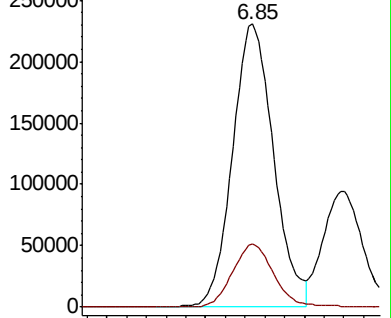
43 100

72 22.3 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: 50.618 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054794.D

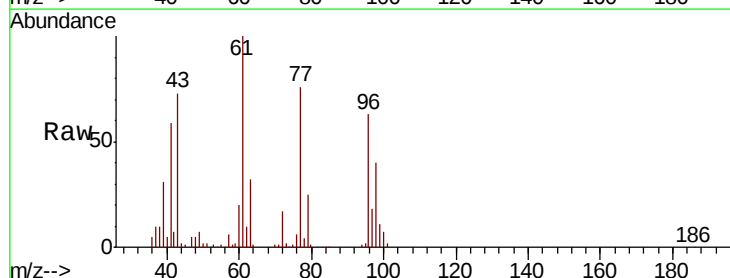
Acq: 30 Mar 2019 11:28

Tgt Ion: 77 Resp: 344577

Ion Ratio Lower Upper

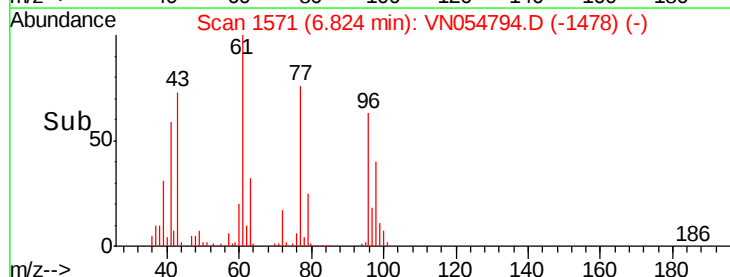
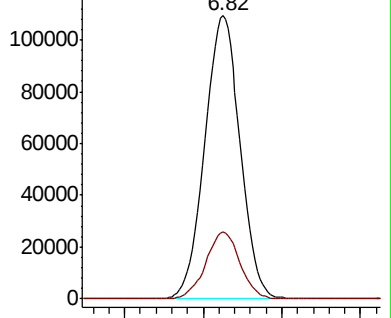
77 100

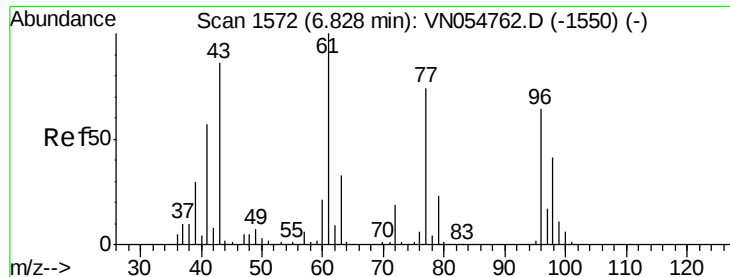
97 23.0 11.9 35.9



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: 48.305 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

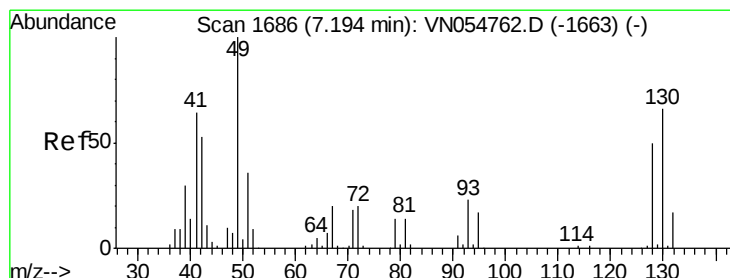
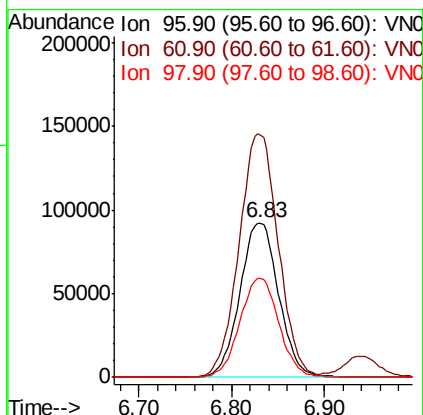
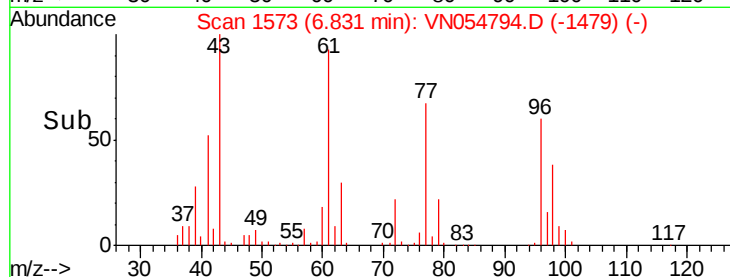
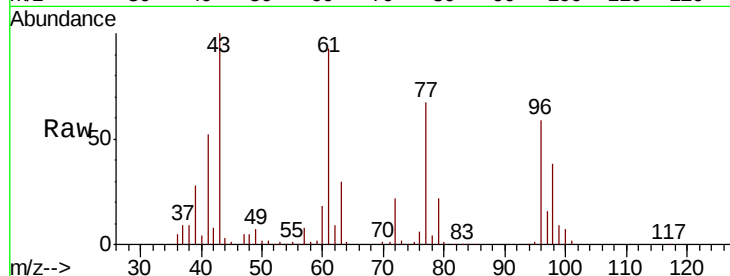
Tot Ion: 96 Resp: 267877

Ion Ratio Lower Upper

96 100

61 159.4 0.0 273.0

98 64.7 0.0 130.6



#28

Bromochloromethane

Concen: 53.684 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

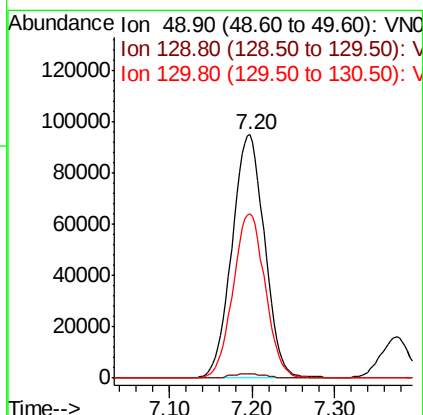
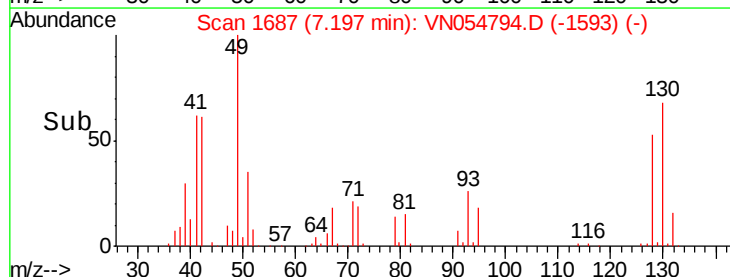
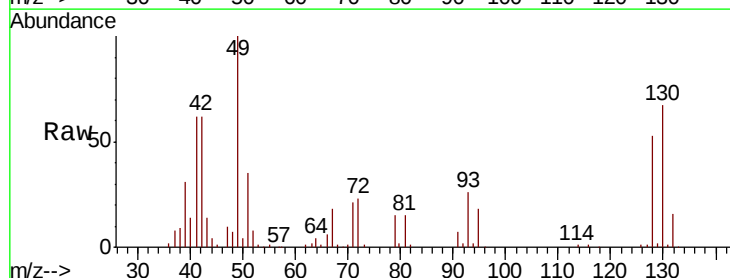
Tgt Ion: 49 Resp: 260722

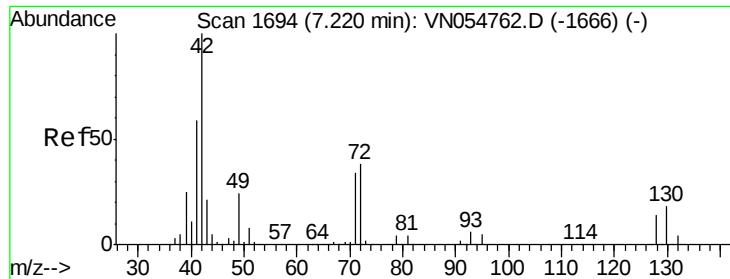
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

130 66.5 76.7 115.1#





#29

Tetrahydrofuran

Concen: 253.935 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

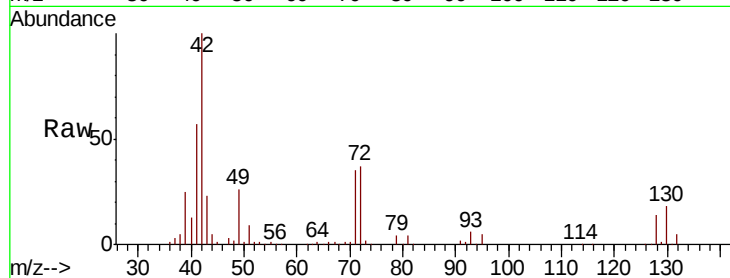
Tot Ion: 42 Resp: 398464

Ion Ratio Lower Upper

42 100

72 37.1 37.8 56.6#

71 34.8 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN054762.D (-1666) (-)

Ion 72.00 (71.70 to 72.70): VN054762.D (-1666) (-)

Ion 71.00 (70.70 to 71.70): VN054762.D (-1666) (-)

7.22

150000

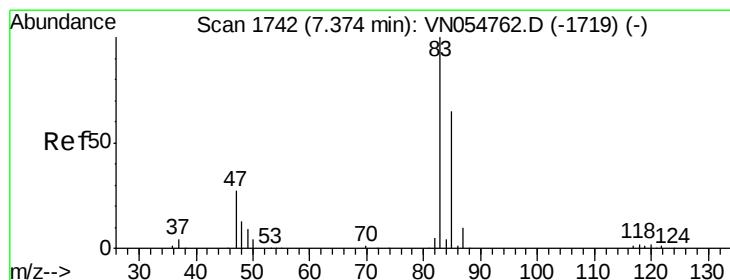
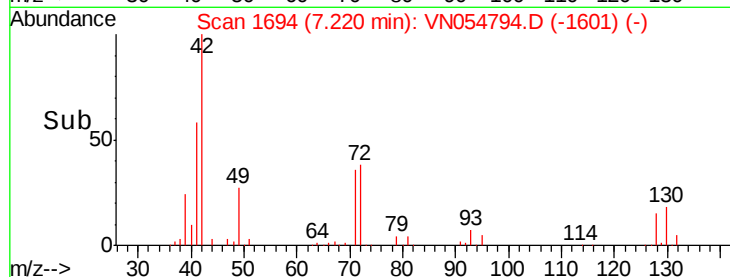
100000

50000

0

7.10 7.20 7.30

Time-->



#30

Chloroform

Concen: 48.520 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054794.D

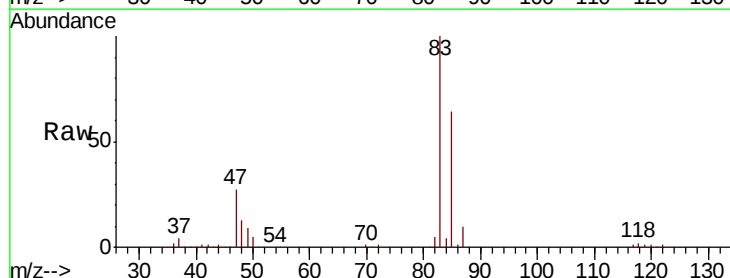
Acq: 30 Mar 2019 11:28

Tgt Ion: 83 Resp: 449353

Ion Ratio Lower Upper

83 100

85 63.8 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-1719) (-)

7.37

200000

150000

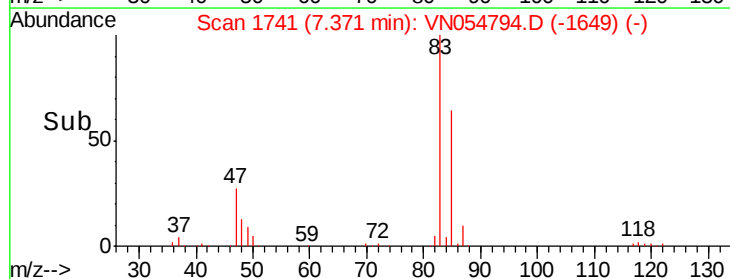
100000

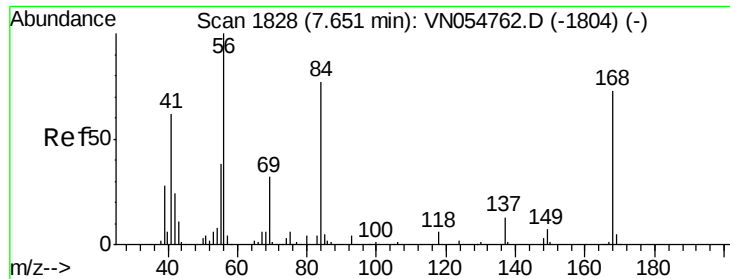
50000

0

7.30 7.40 7.50

Time-->

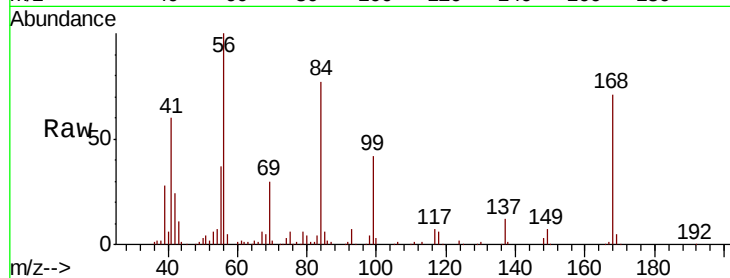




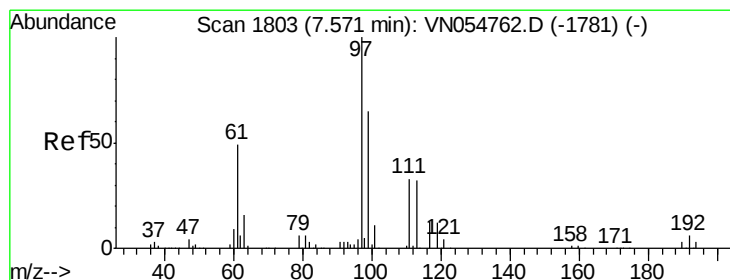
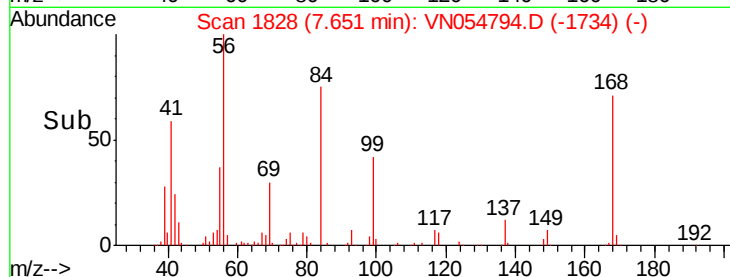
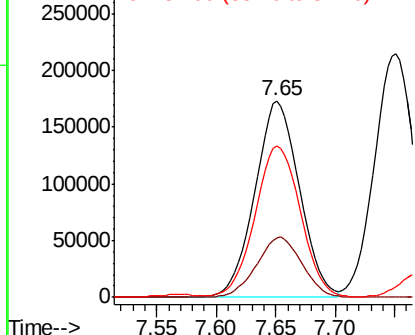
#31
Cyclohexane
Concen: 50.752 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 448869
Ion Ratio Lower Upper
56 100
69 30.2 27.8 41.6
84 75.7 74.6 111.8

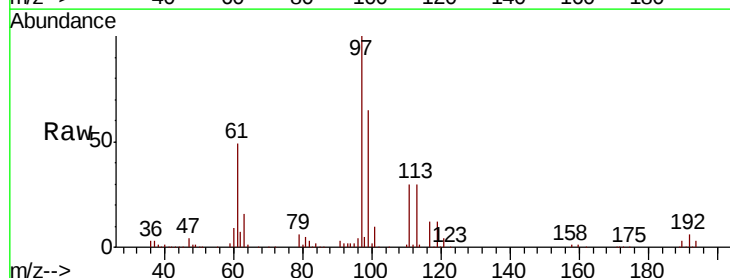


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

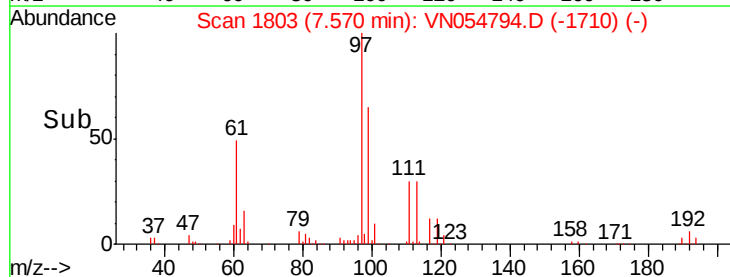
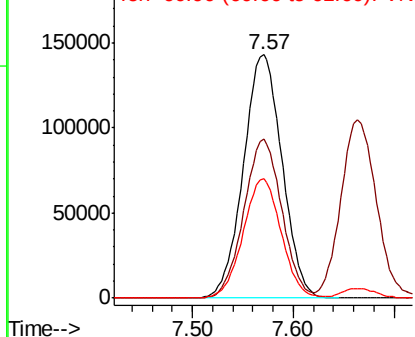


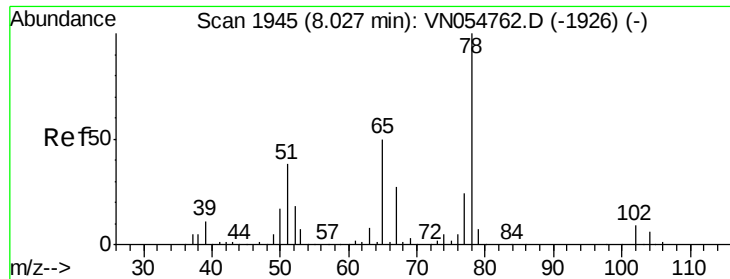
#32
1,1,1-Trichloroethane
Concen: 49.615 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 97 Resp: 380791
Ion Ratio Lower Upper
97 100
99 64.0 51.5 77.3
61 48.2 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

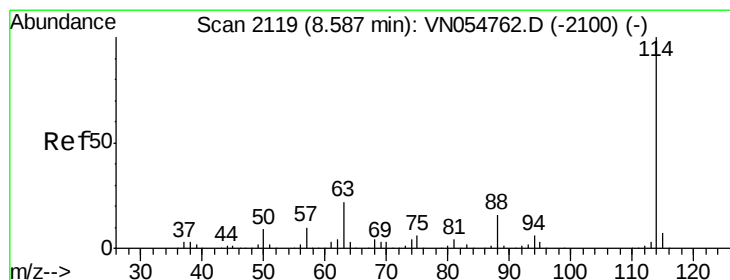
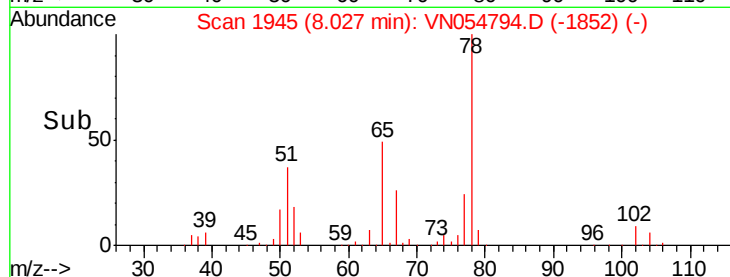
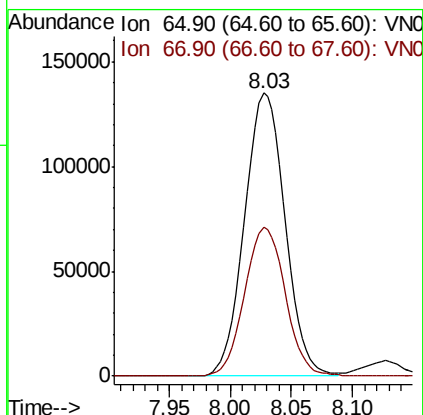
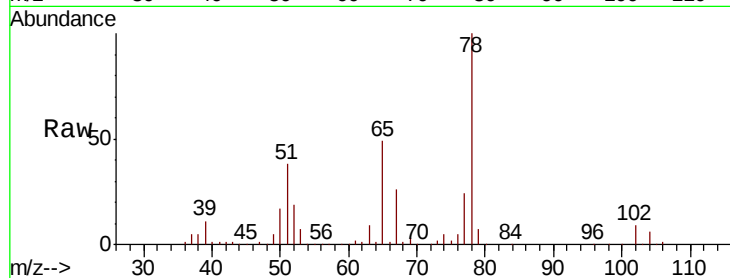




#33
 1,2-Dichloroethane-d4
 Concen: 48.505 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

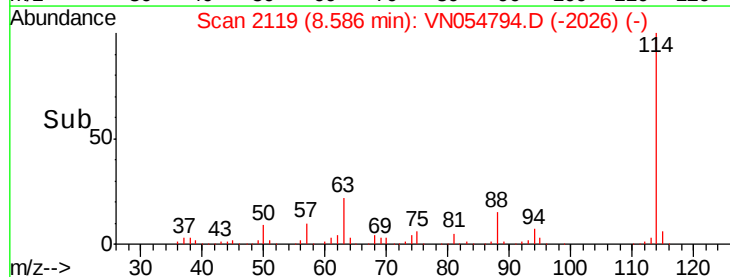
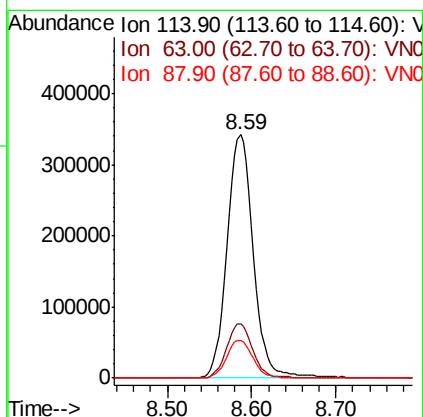
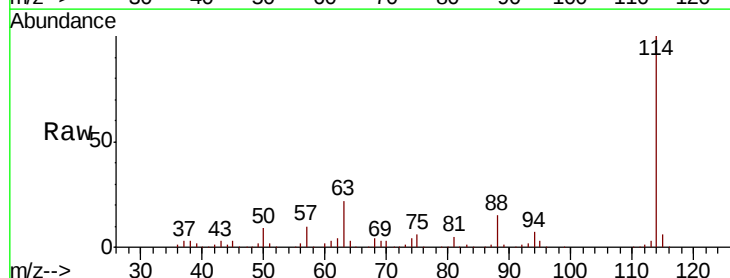
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

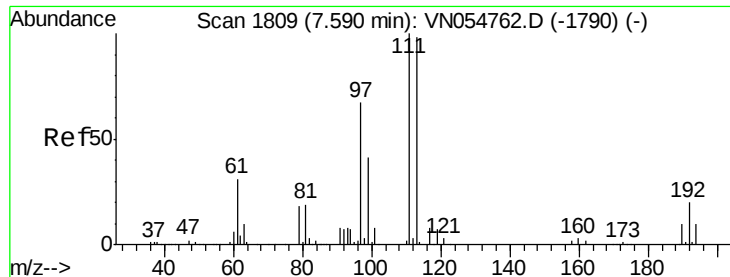
Tot Ion: 65 Resp: 310885
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion: 114 Resp: 741277
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.5 0.0 30.2

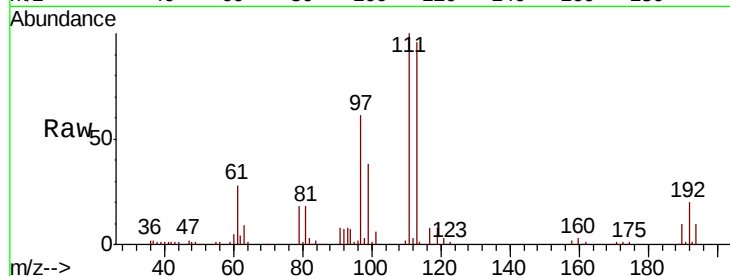




#35
Dibromofluoromethane
Concen: 49.355 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.4
192	20.5	19.2	28.8

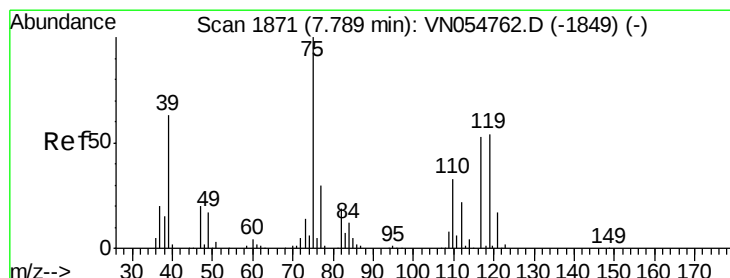
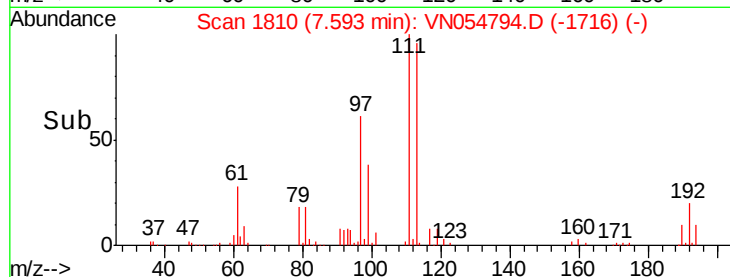
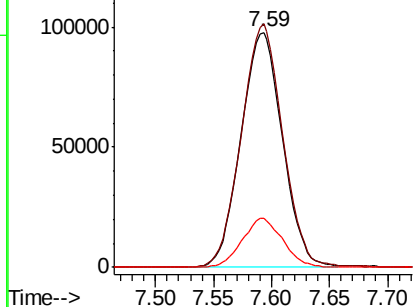


Abundance

Ion 112.80 (112.50 to 113.50): V

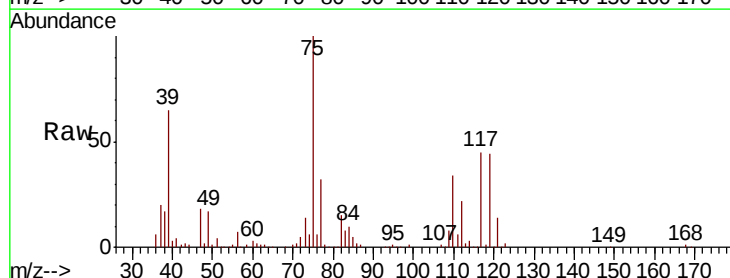
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 49.917 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	19.1	57.5
77	31.3	25.0	37.4

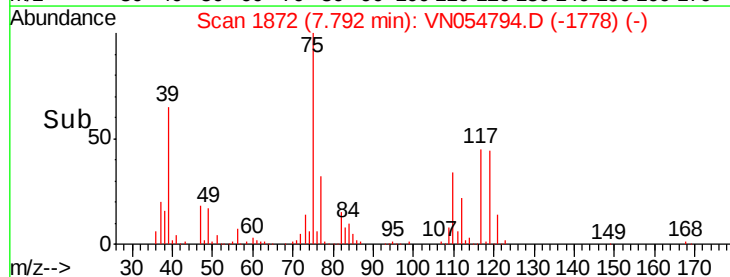
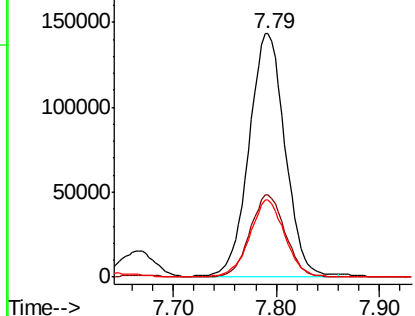


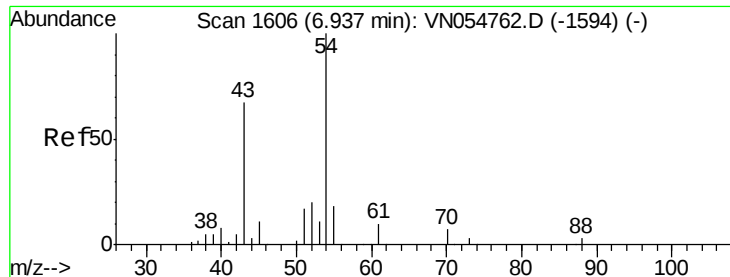
Abundance

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

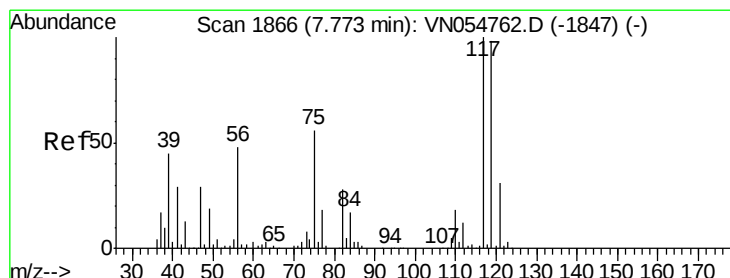
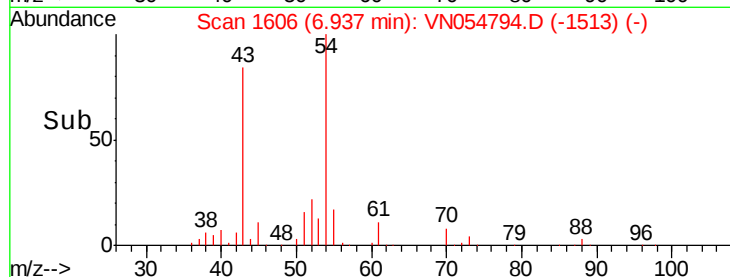
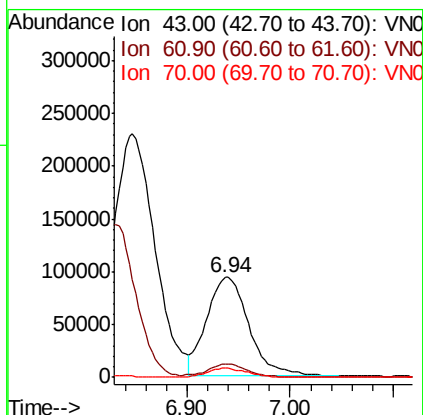
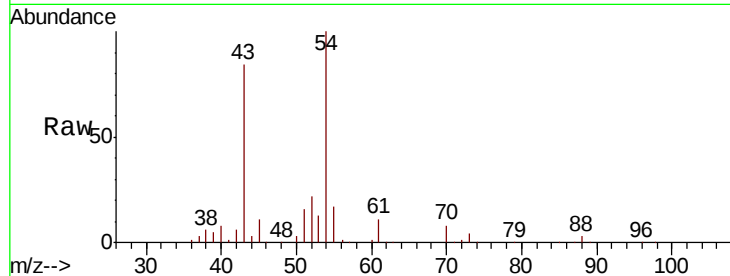




#37
Ethyl Acetate
Concen: 52.413 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

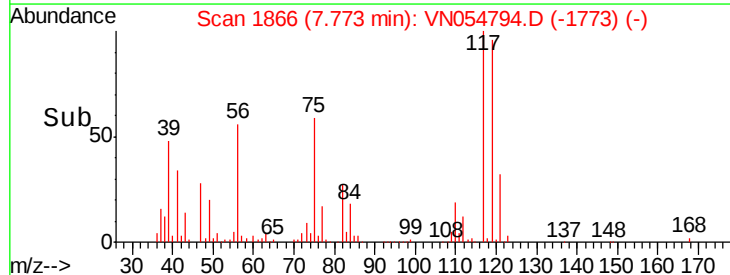
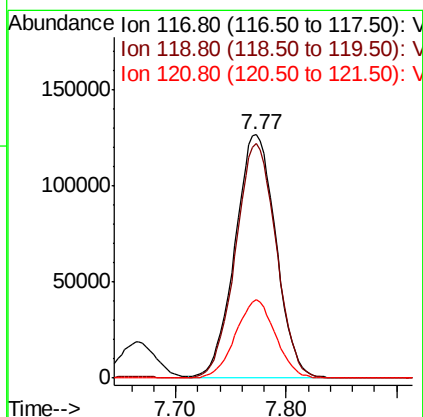
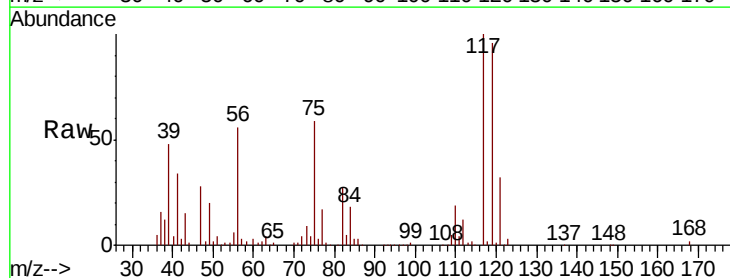
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

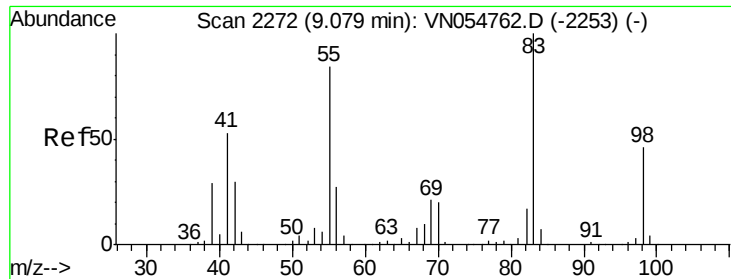
Tot Ion: 43 Resp: 265487
Ion Ratio Lower Upper
43 100
61 12.3 11.8 17.6
70 9.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.424 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 117 Resp: 324866
Ion Ratio Lower Upper
117 100
119 96.5 76.3 114.5
121 32.1 24.6 36.8

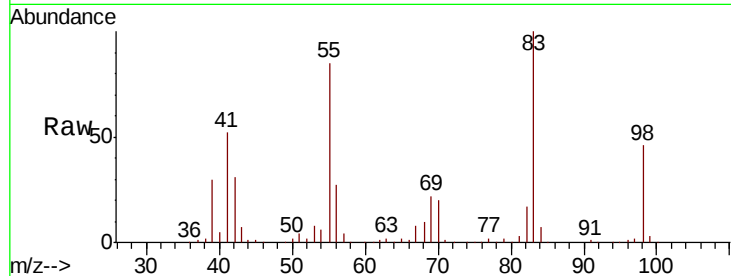




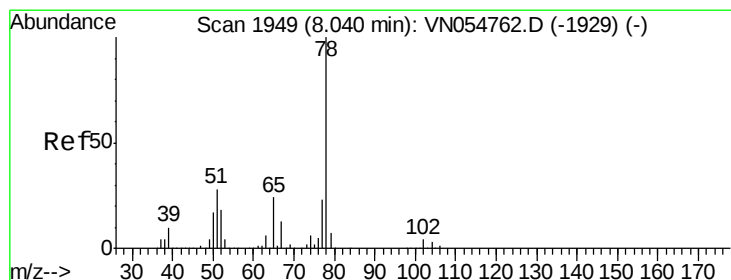
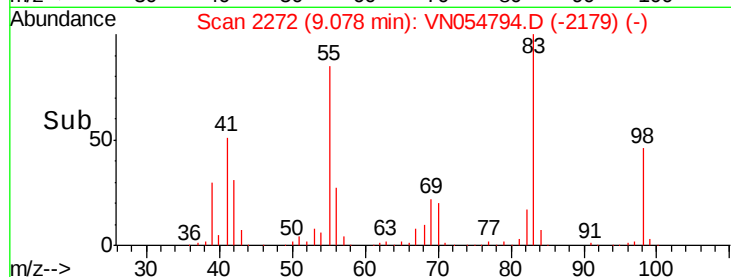
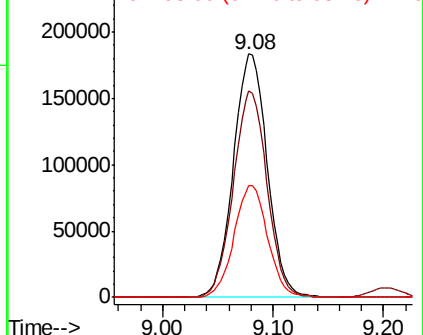
#39
Methvlcvclohexane
Concen: 51.466 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 390822
Ion Ratio Lower Upper
83 100
55 84.8 56.6 84.8
98 45.8 38.4 57.6

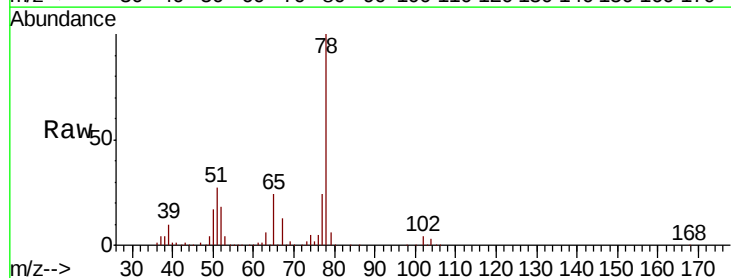


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

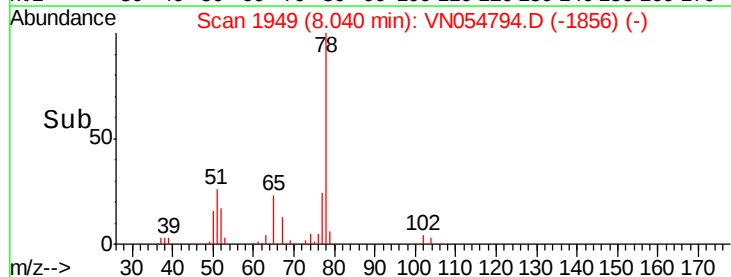
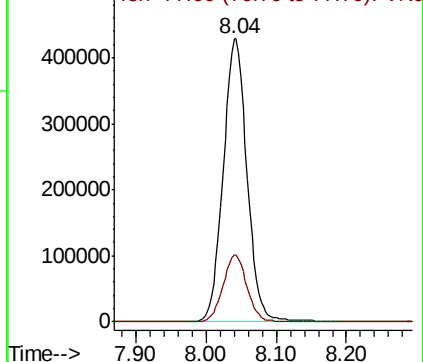


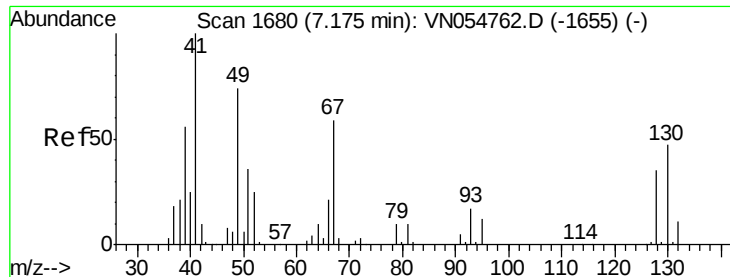
#40
Benzene
Concen: 51.237 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 78 Resp: 1012671
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



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

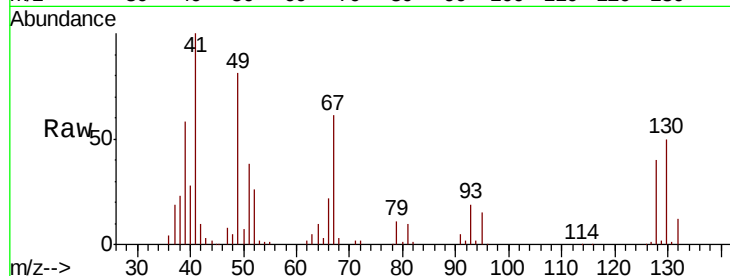




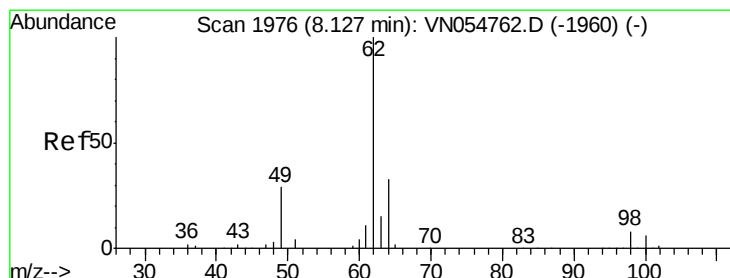
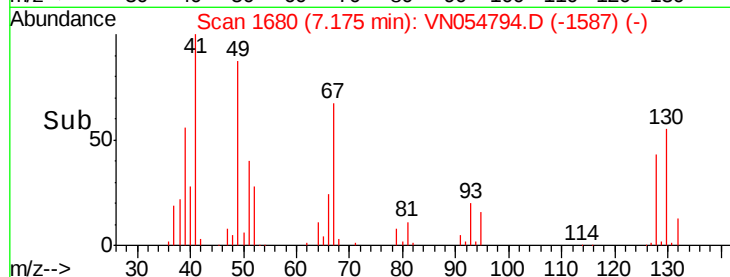
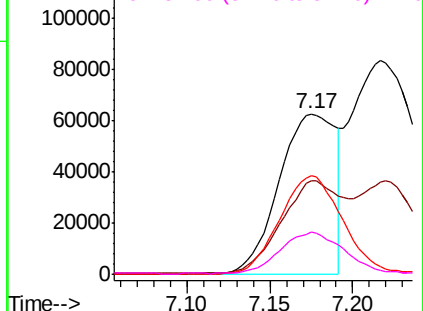
#41
Methacrylonitrile
Concen: 51.956 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	147836
Ion	Ratio	Lower	Upper
41	100		
39	62.6	46.8	70.2
67	69.7	67.0	100.4
52	29.9	26.5	39.7

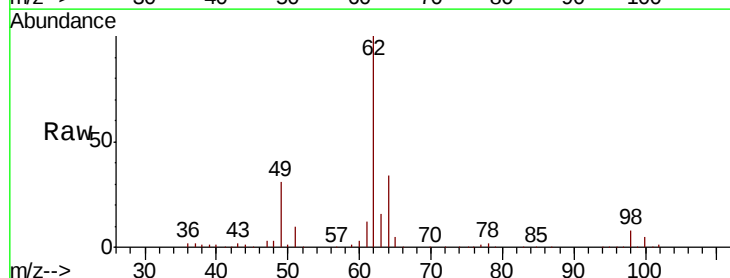


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

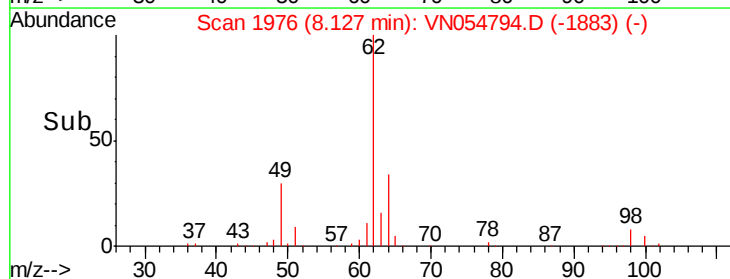
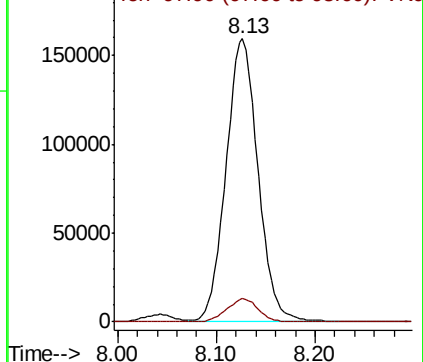


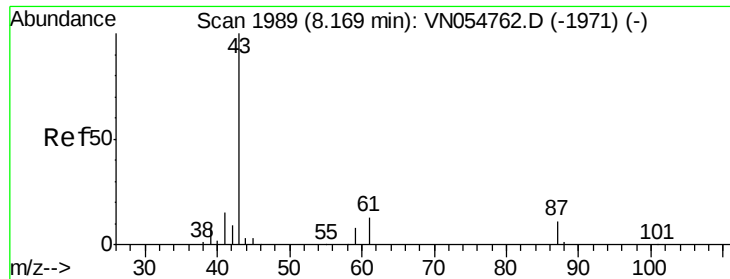
#42
1,2-Dichloroethane
Concen: 51.071 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion:	62	Resp:	360411
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 55.432 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

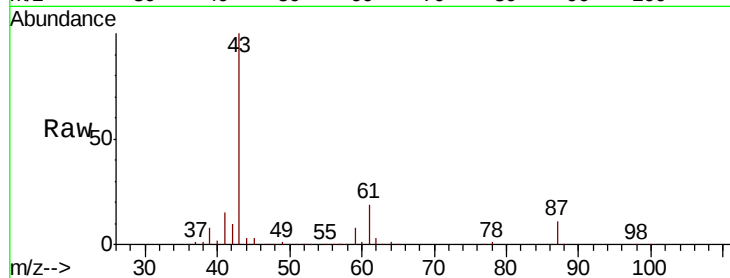
Tot Ion: 43 Resp: 456222

Ion Ratio Lower Upper

43 100

61 18.1 15.8 23.8

87 11.1 12.0 18.0#

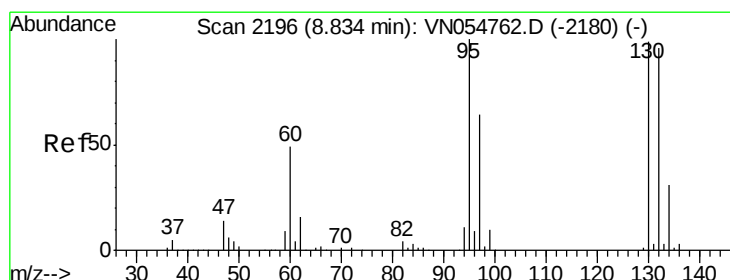
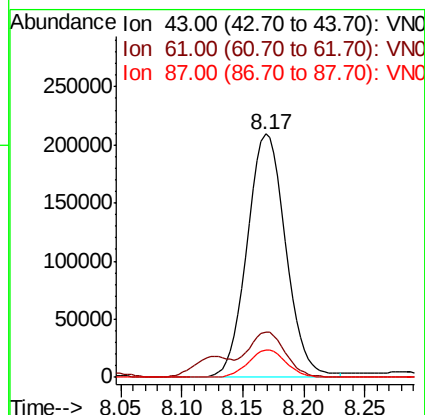
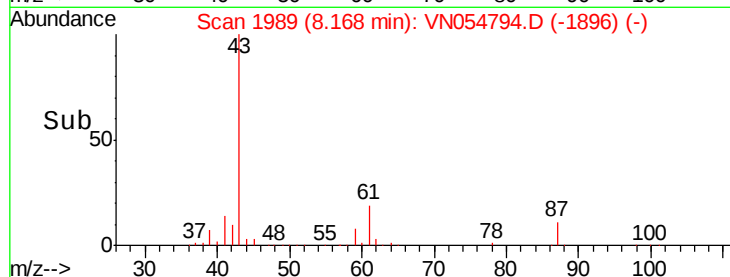


Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054762.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054762.D (-1971) (-)

Time-->



#44

Trichloroethene

Concen: 51.480 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054794.D

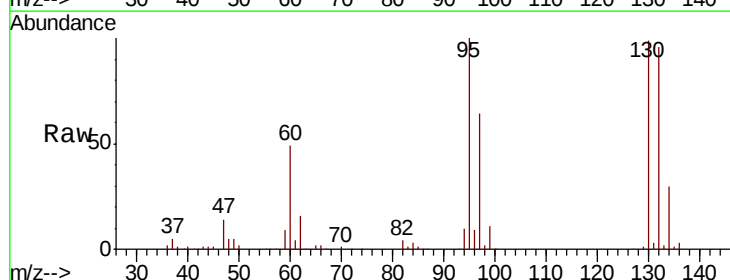
Acq: 30 Mar 2019 11:28

Tgt Ion:130 Resp: 264123

Ion Ratio Lower Upper

130 100

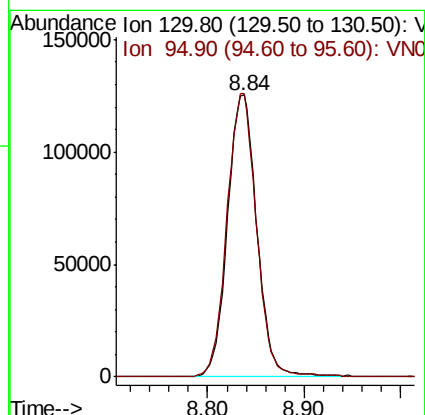
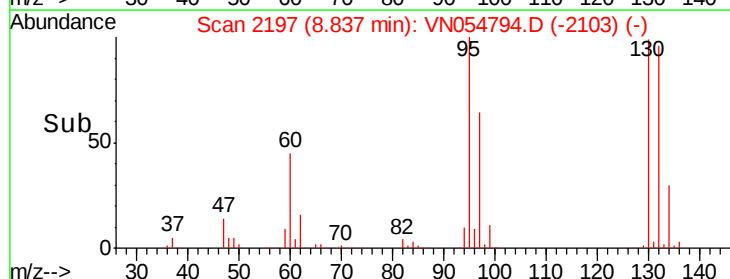
95 100.4 0.0 185.2

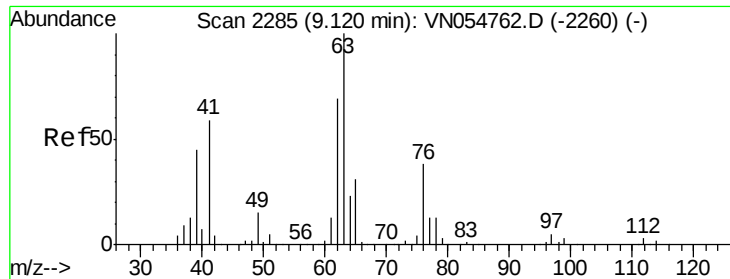


Abundance Ion 129.80 (129.50 to 130.50): VN054762.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054762.D (-2180) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 50.161 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

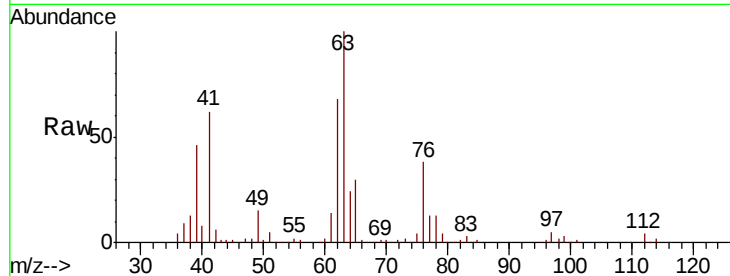
VSTDCCC050

Tot Ion: 63 Resp: 282688

Ion Ratio Lower Upper

63 100

65 30.4 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

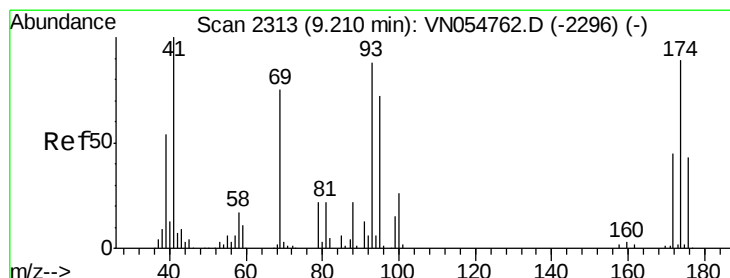
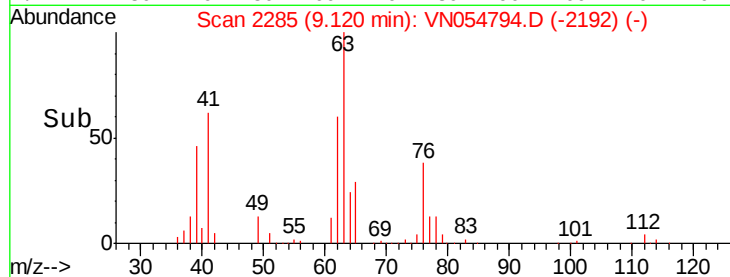
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 51.707 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

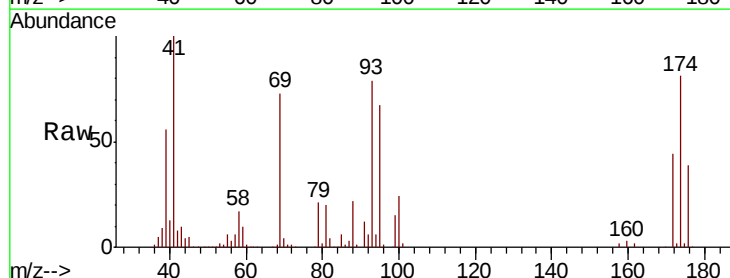
Tgt Ion: 93 Resp: 163926

Ion Ratio Lower Upper

93 100

95 81.5 66.7 100.1

174 100.4 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

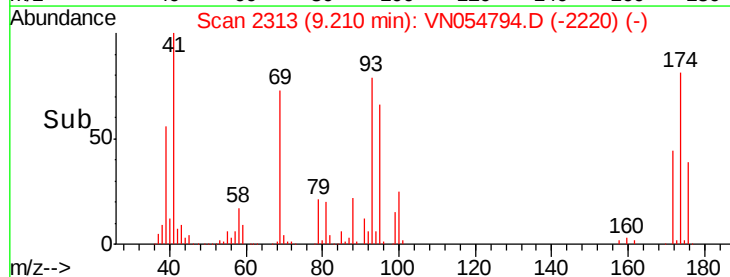
40000

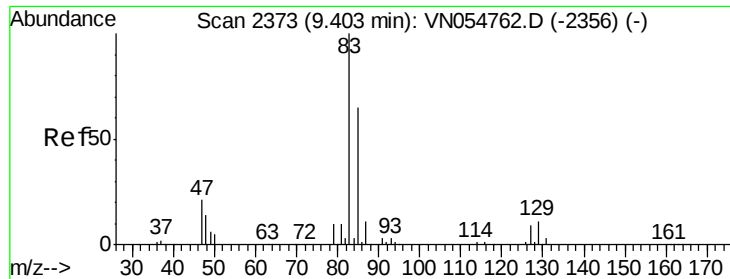
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 51.763 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

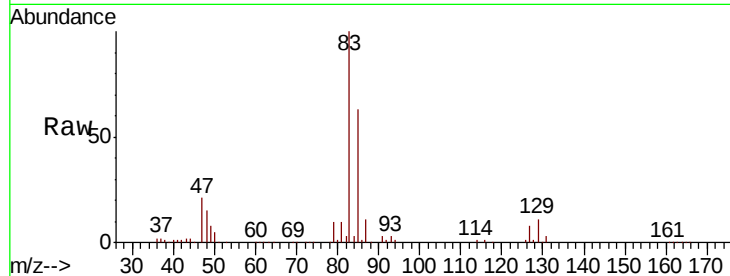
Tot Ion: 83 Resp: 341050

Ion Ratio Lower Upper

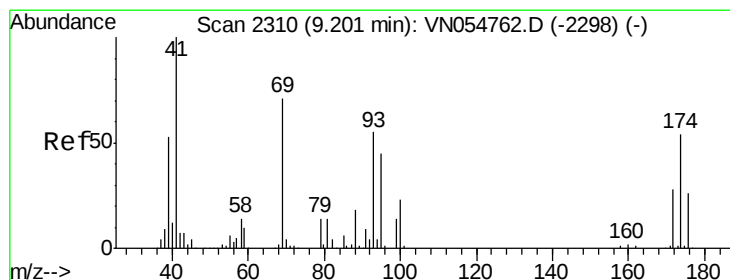
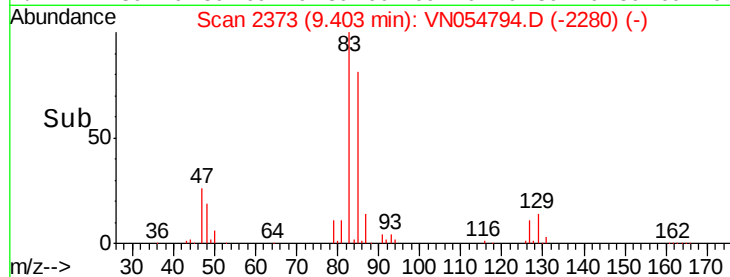
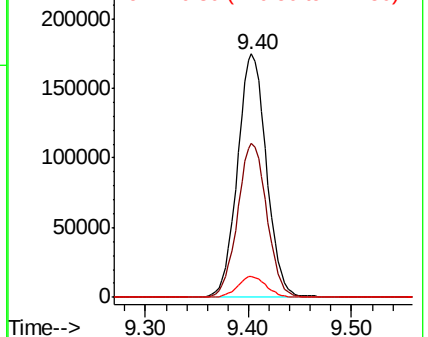
83 100

85 63.2 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: 52.903 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

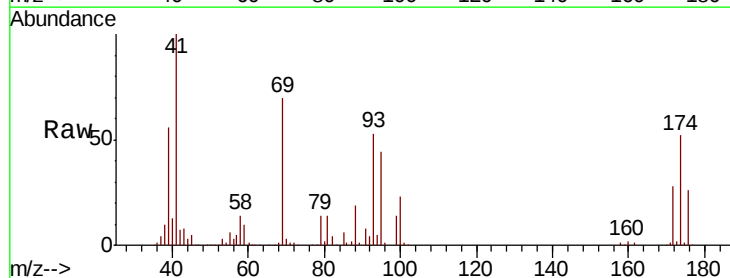
Tgt Ion: 41 Resp: 236025

Ion Ratio Lower Upper

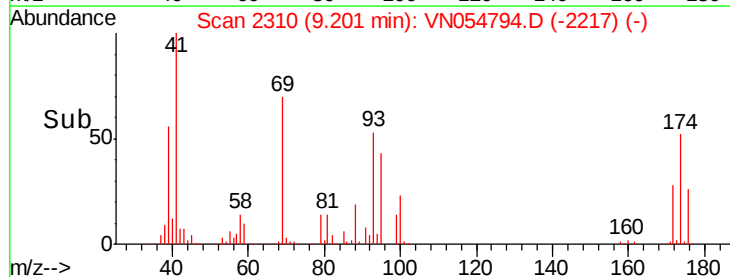
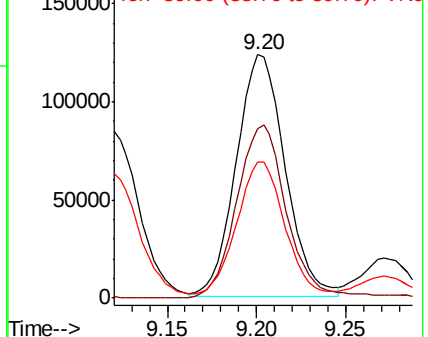
41 100

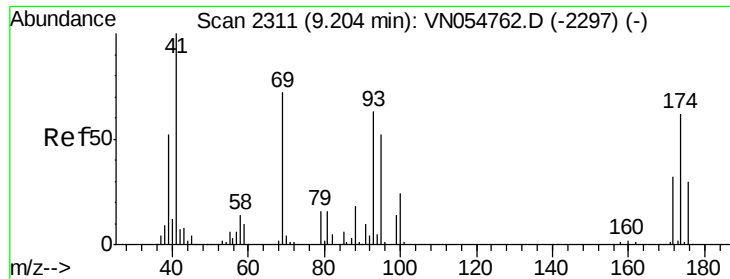
69 73.7 72.6 108.8

39 55.4 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

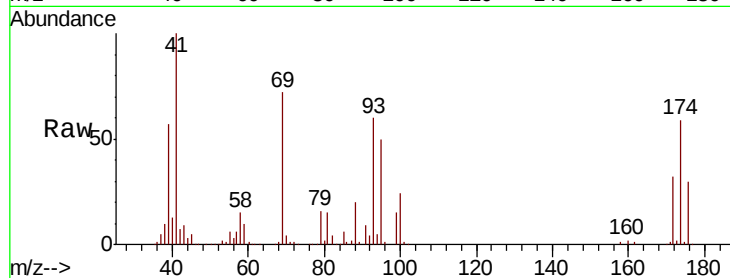




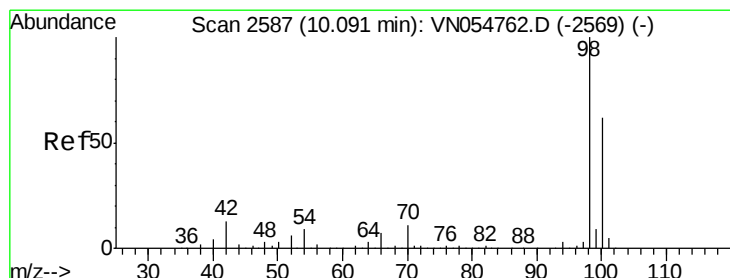
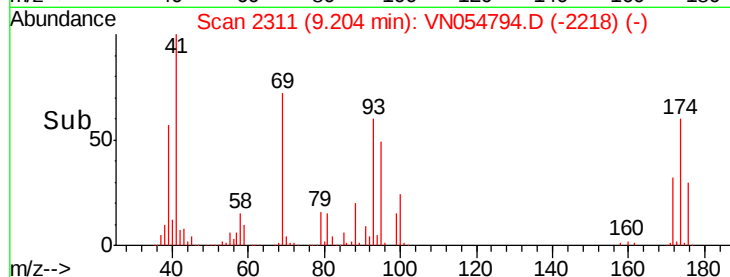
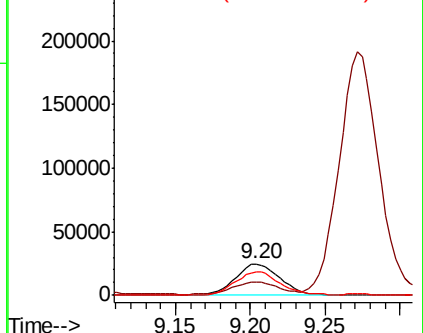
#49
1,4-Dioxane
Concen: 1163.849 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 51521
Ion Ratio Lower Upper
88 100
43 39.8 24.1 36.1#
58 75.1 50.8 76.2

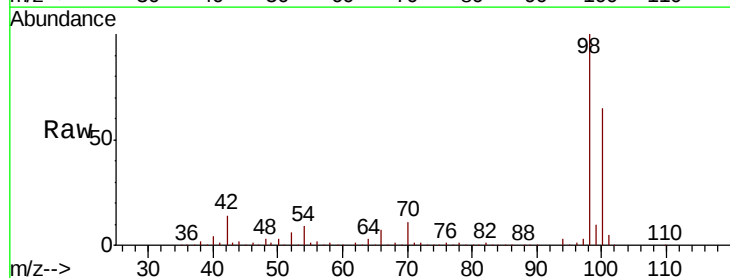


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

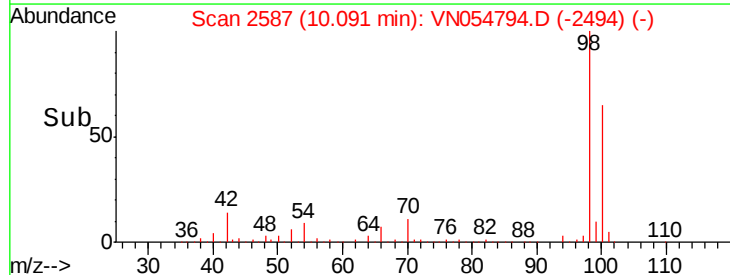
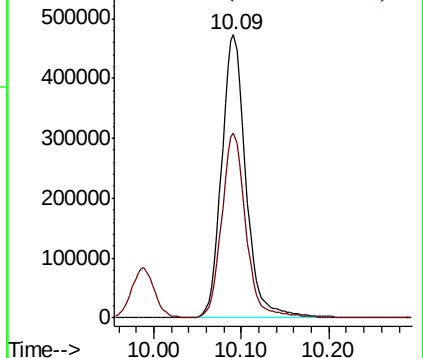


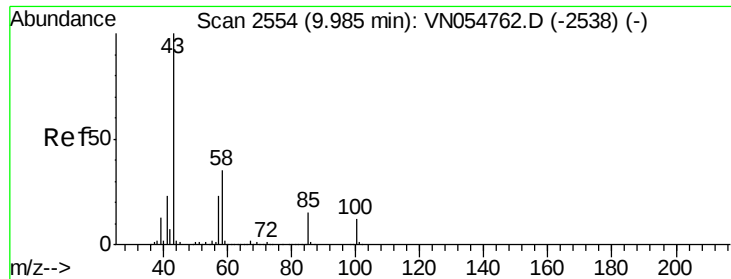
#50
Toluene-d8
Concen: 49.760 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 98 Resp: 914262
Ion Ratio Lower Upper
98 100
100 65.1 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: 283.388 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

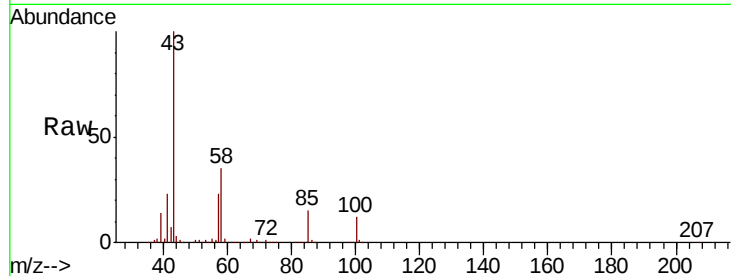
VSTDCCC050

Tot Ion: 43 Resp: 1311323

Ion Ratio Lower Upper

43 100

58 35.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

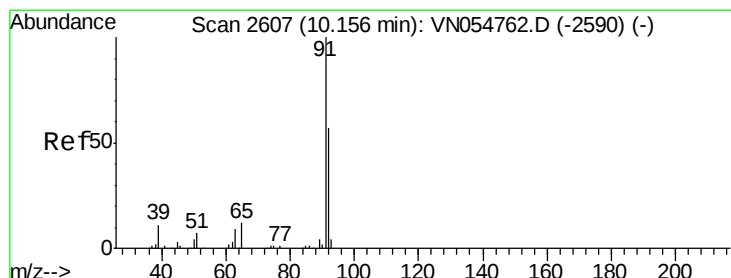
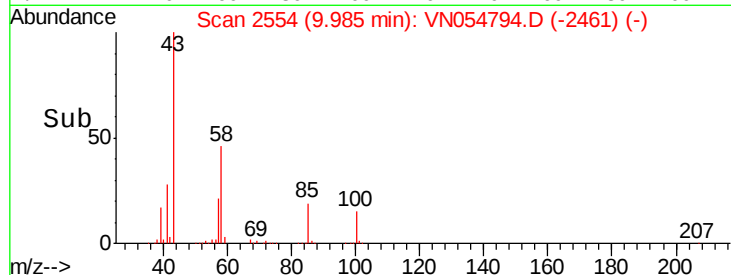
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.597 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054794.D

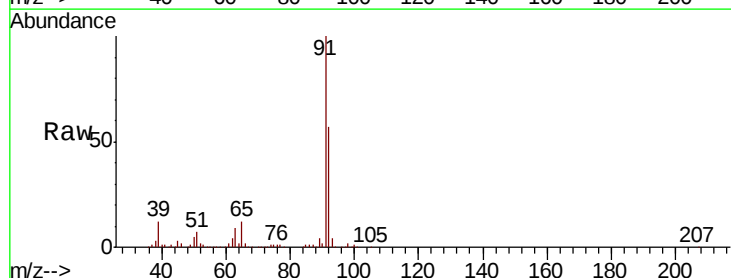
Acq: 30 Mar 2019 11:28

Tgt Ion: 92 Resp: 606814

Ion Ratio Lower Upper

92 100

91 177.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

600000

500000

400000

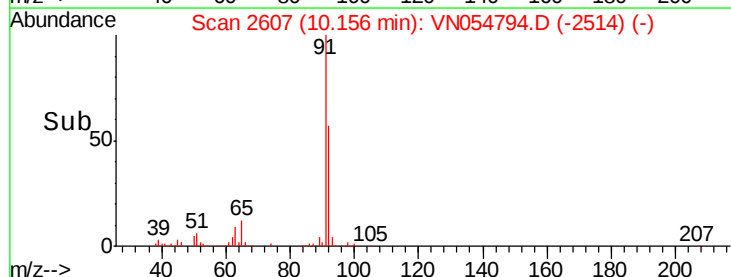
300000

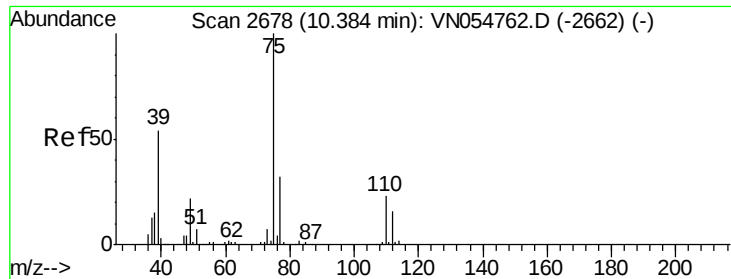
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.249 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

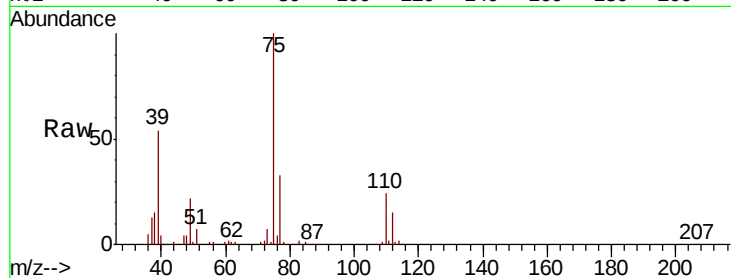
VSTDCCC050

Tot Ion: 75 Resp: 336226

Ion Ratio Lower Upper

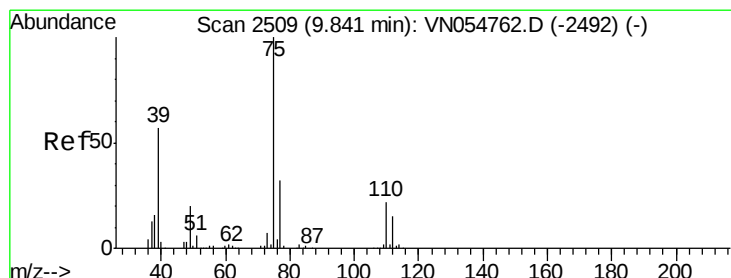
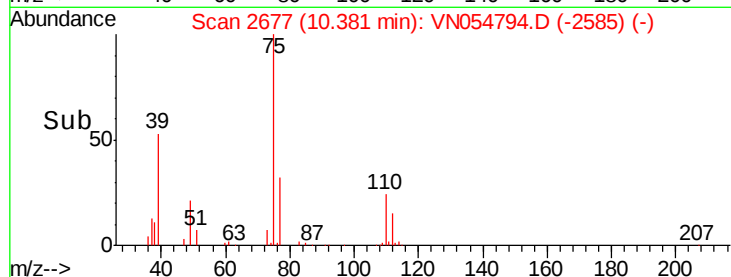
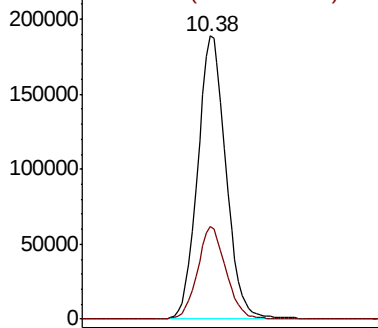
75 100

77 32.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.761 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

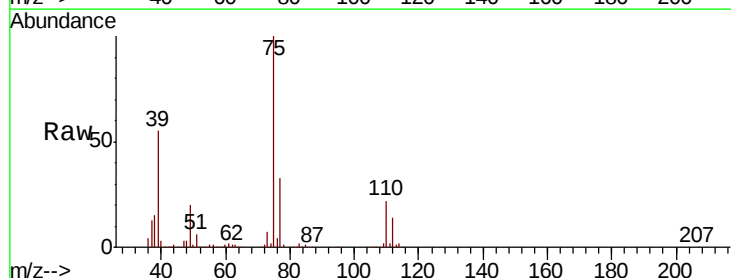
Tgt Ion: 75 Resp: 405425

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

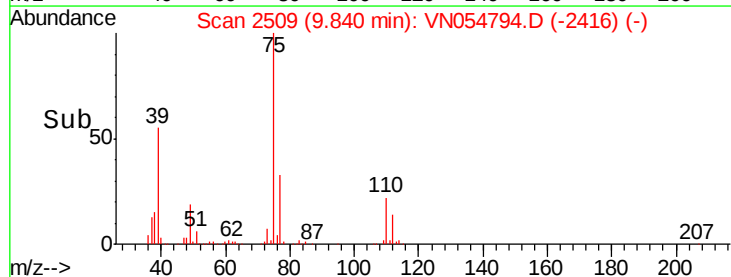
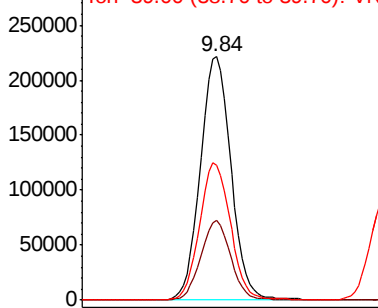
39 55.3 37.2 55.8

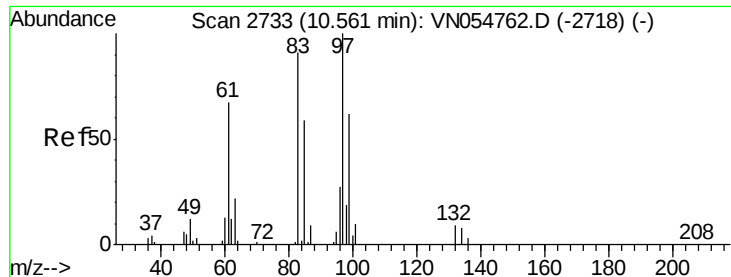


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.170 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 223769

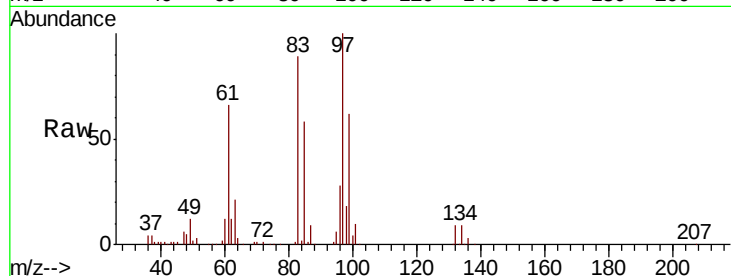
Ion Ratio Lower Upper

97 100

83 88.6 66.6 100.0

85 57.8 44.4 66.6

99 61.4 50.8 76.2



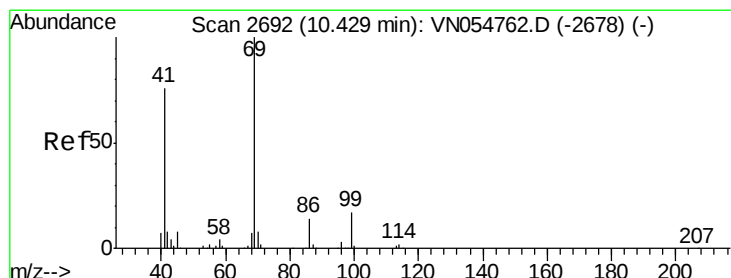
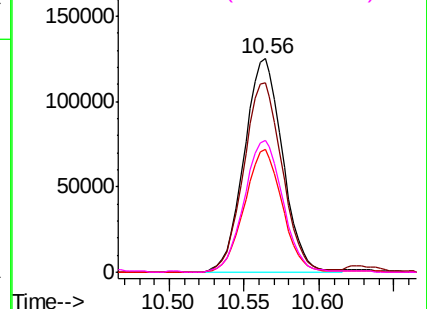
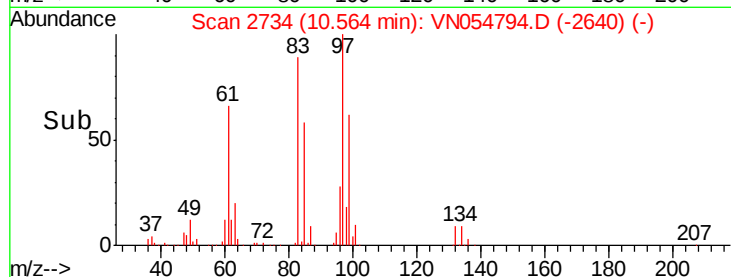
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 54.530 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

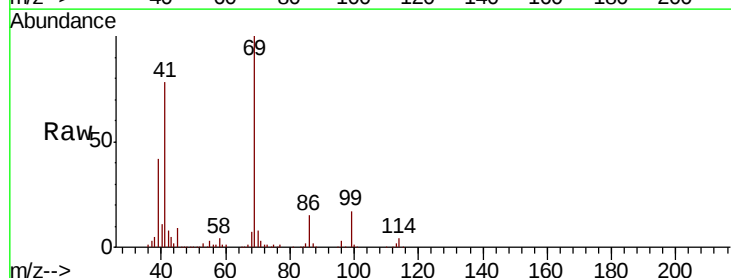
Tgt Ion: 69 Resp: 312812

Ion Ratio Lower Upper

69 100

41 76.2 49.4 74.2#

39 38.9 28.3 42.5

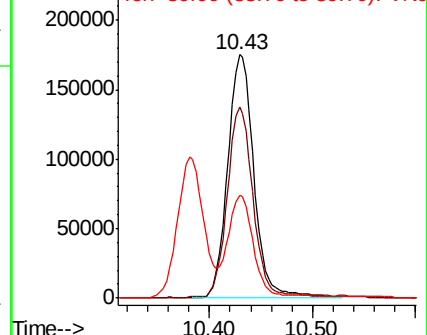
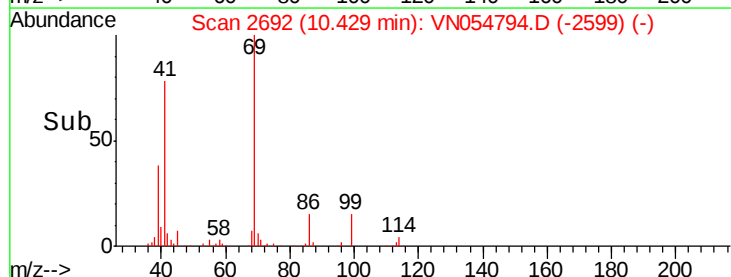


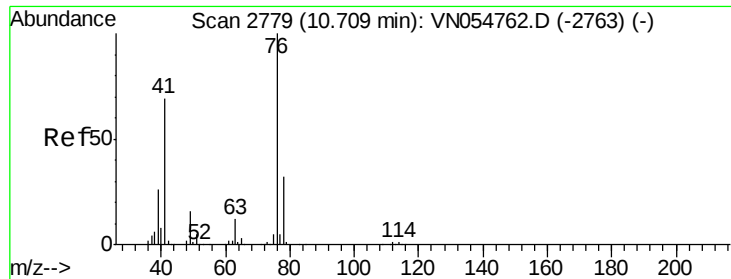
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 52.270 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

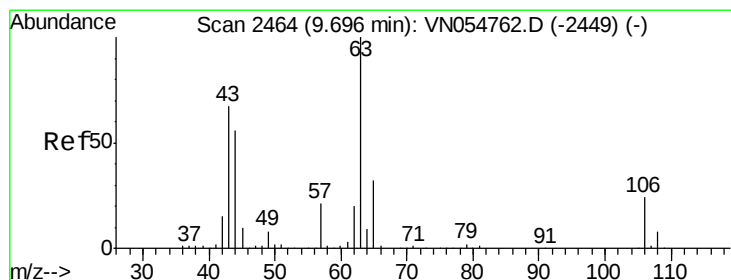
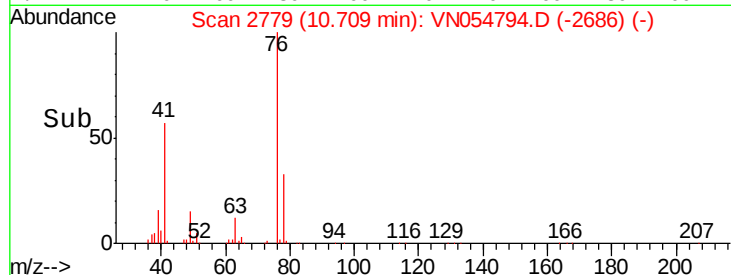
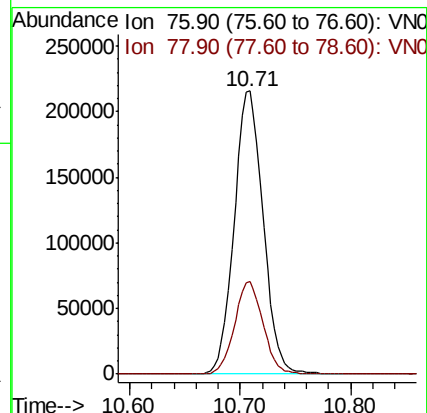
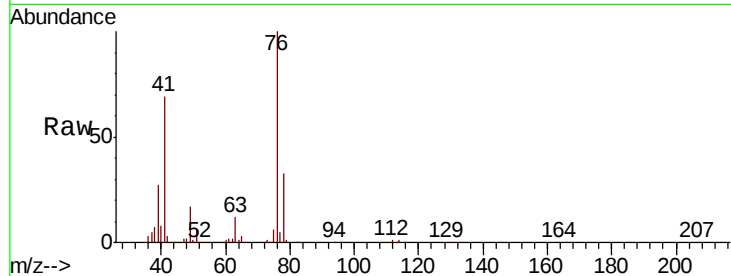
VSTDCCC050

Tot Ion: 76 Resp: 392974

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 238.223 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054794.D

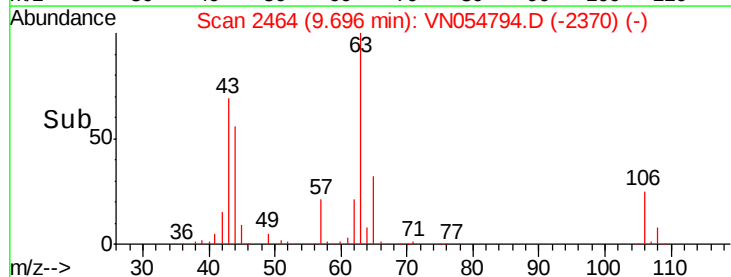
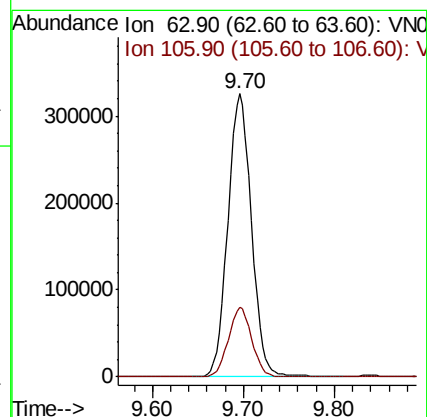
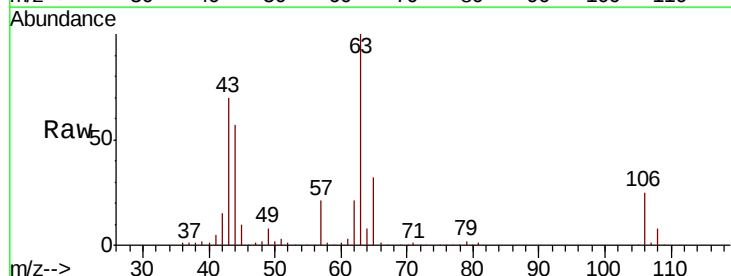
Acq: 30 Mar 2019 11:28

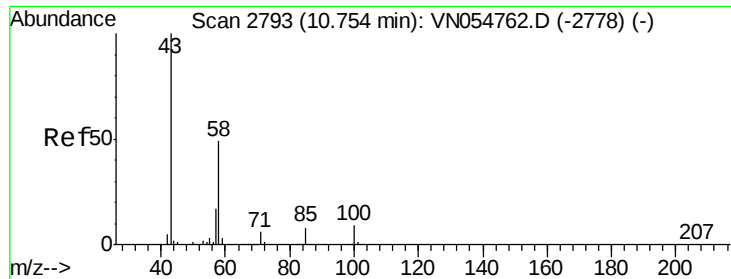
Tgt Ion: 63 Resp: 587403

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#

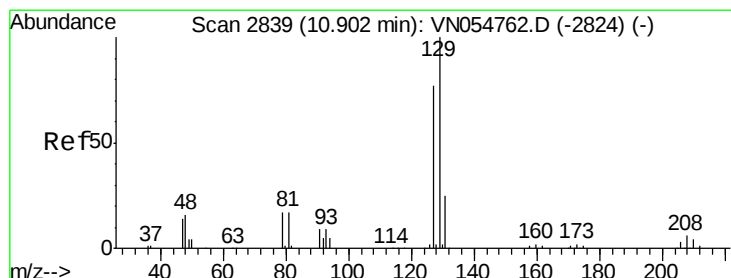
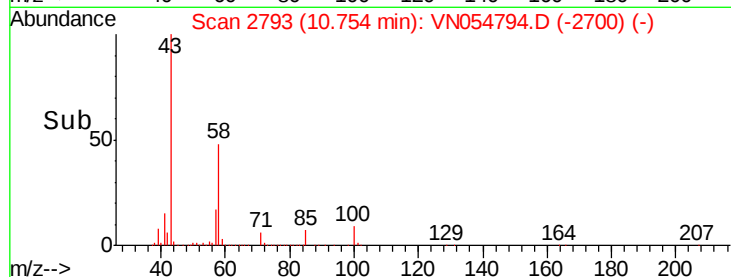
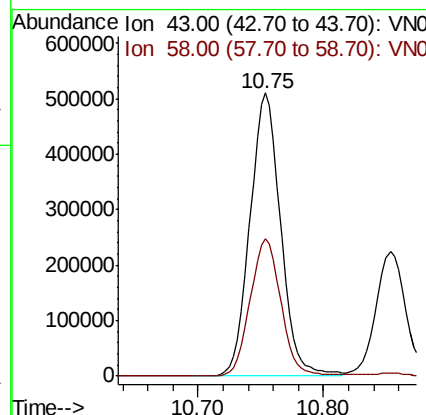
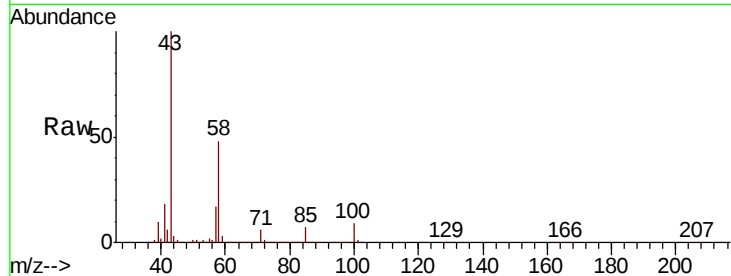




#59
2-Hexanone
Concen: 292.816 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

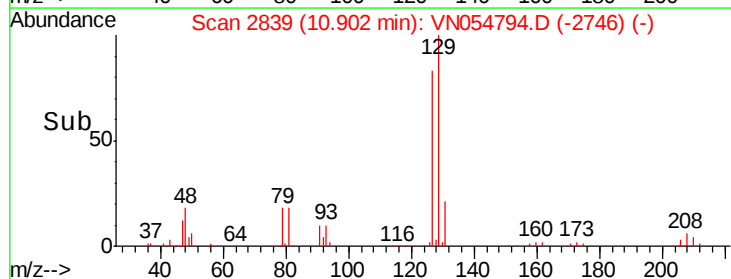
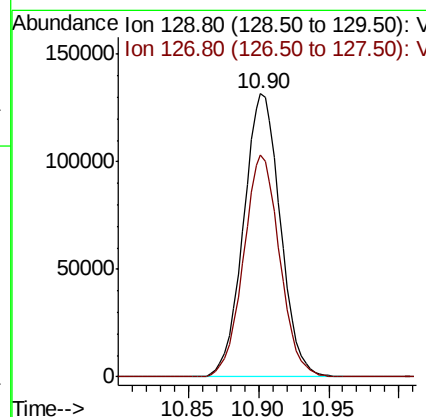
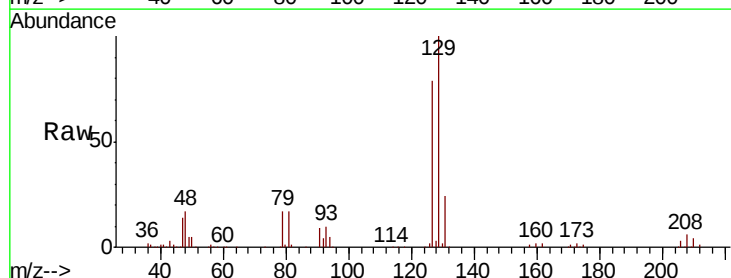
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

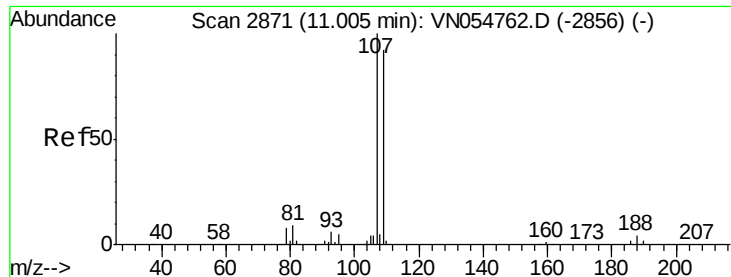
Tot Ion: 43 Resp: 867385
Ion Ratio Lower Upper
43 100
58 49.0 28.0 83.9



#60
Dibromochloromethane
Concen: 54.289 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 129 Resp: 240489
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

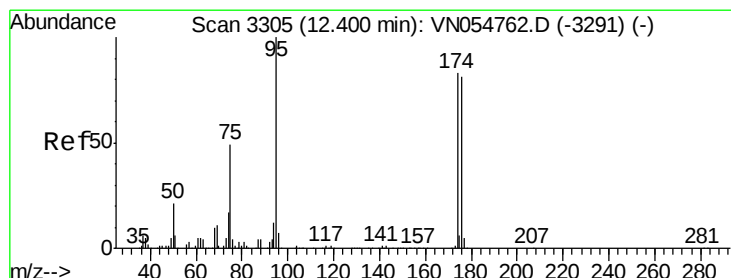
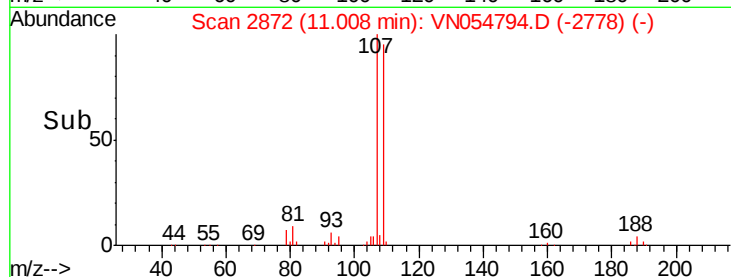
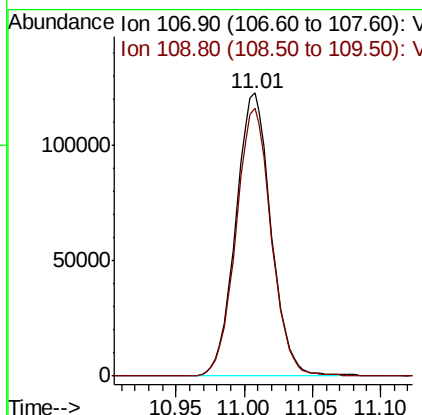
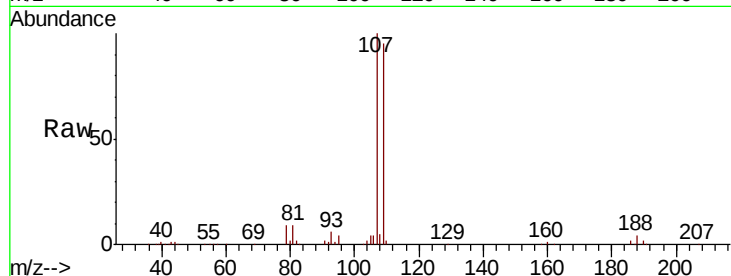




#61
 1,2-Dibromoethane
 Concen: 52.722 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

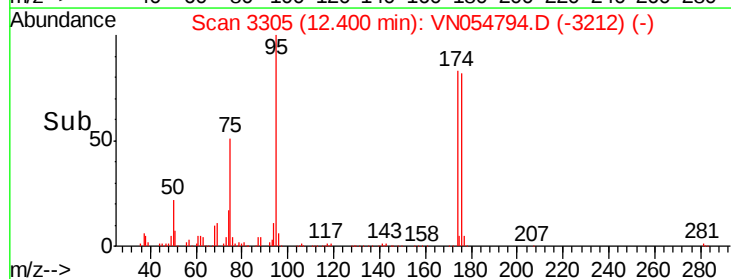
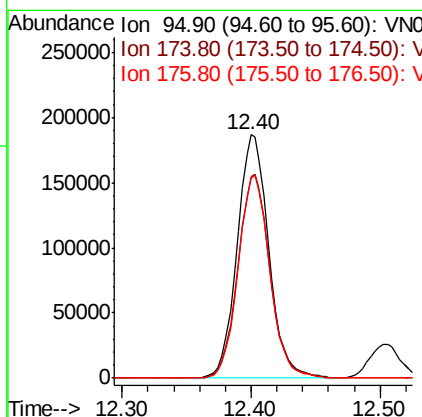
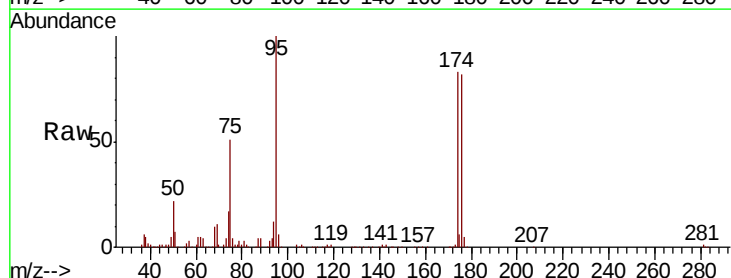
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

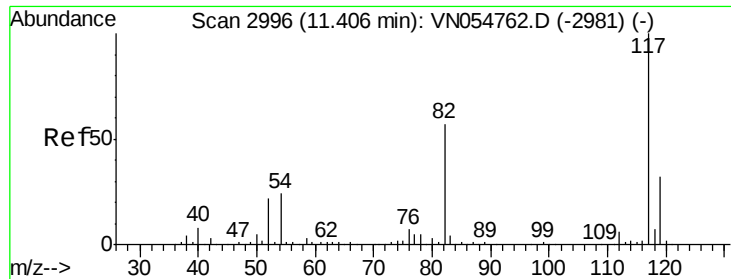
Tot Ion: 107 Resp: 220329
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.929 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion: 95 Resp: 317314
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 191.0
 176 83.1 0.0 187.4

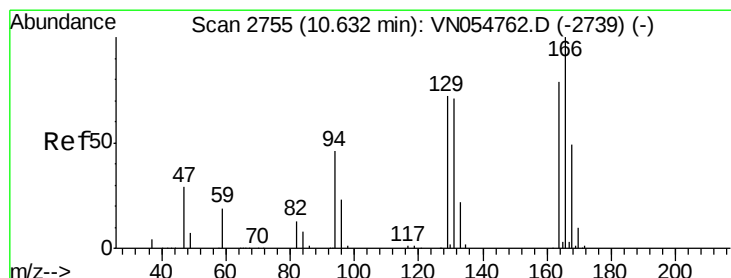
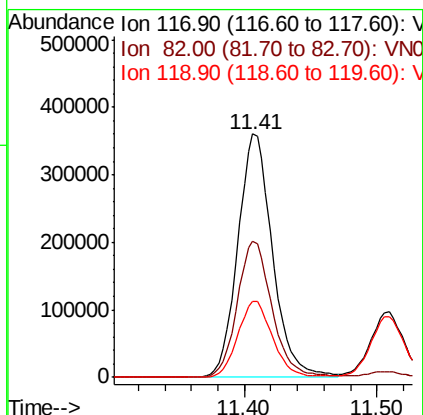
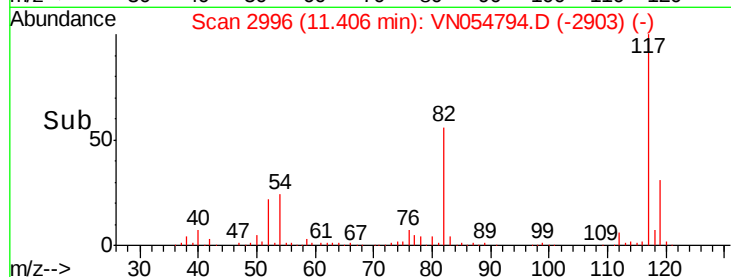
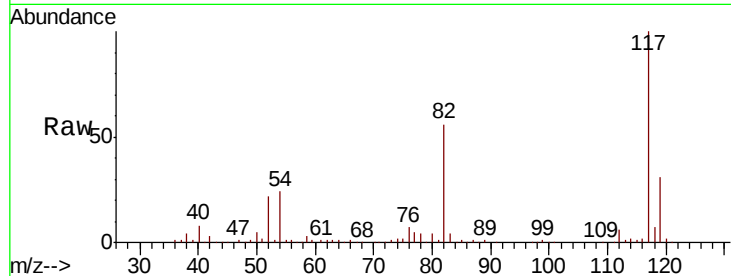




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

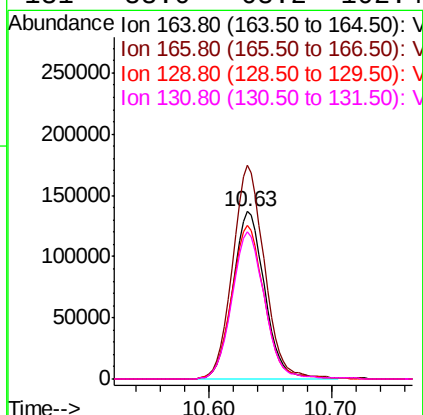
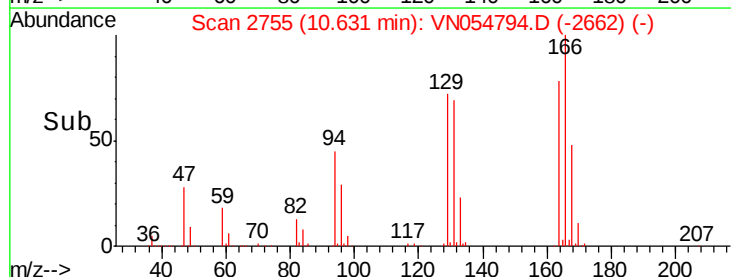
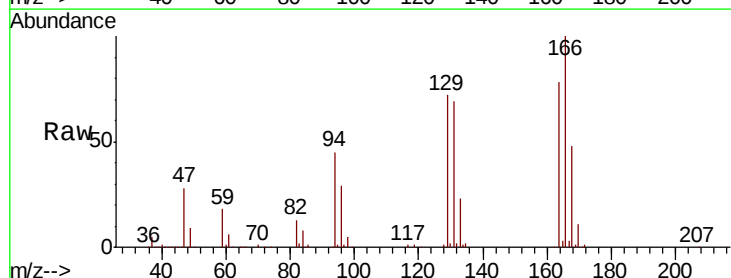
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

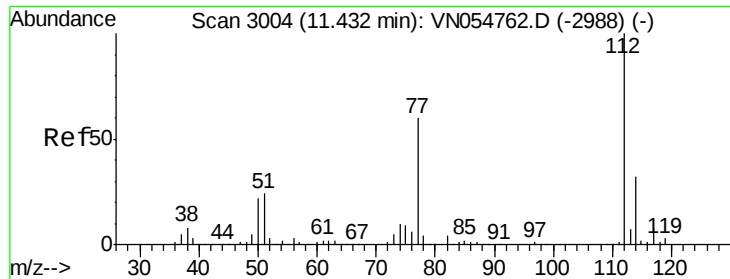
Tot Ion:117 Resp: 655438
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 49.618 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion:164 Resp: 249560
Ion Ratio Lower Upper
164 100
166 127.7 103.9 155.9
129 91.7 71.1 106.7
131 88.0 68.2 102.4

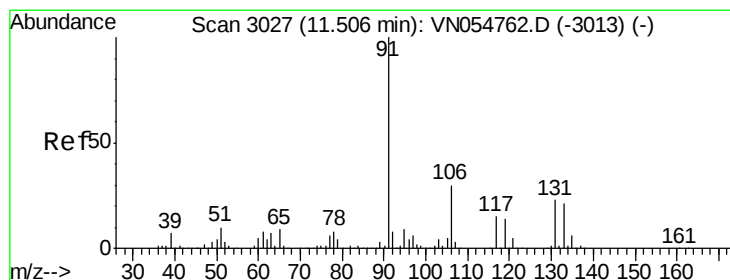
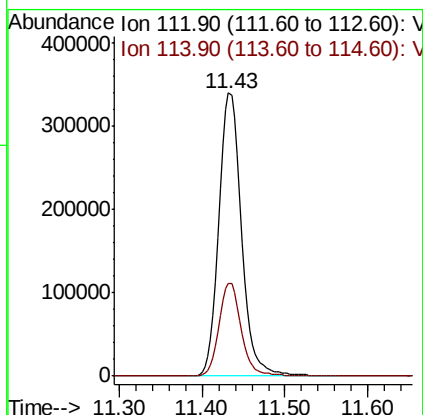
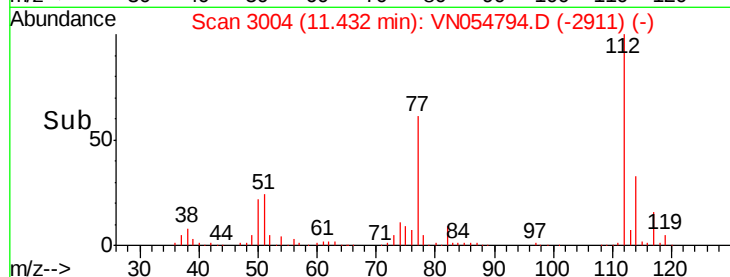
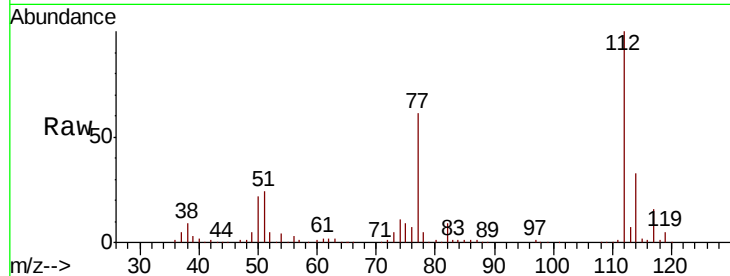




#65
Chlorobenzene
Concen: 49.863 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

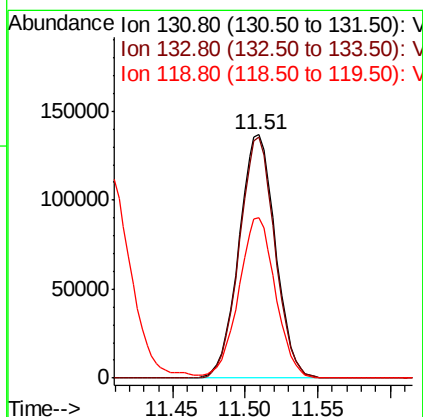
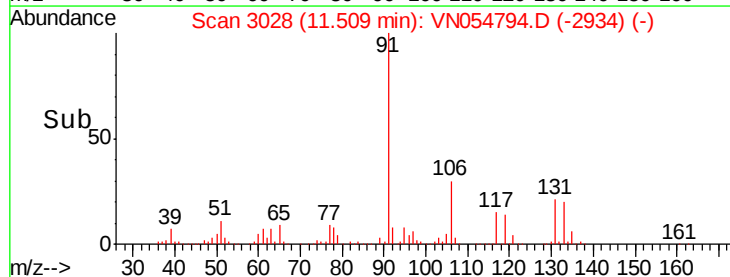
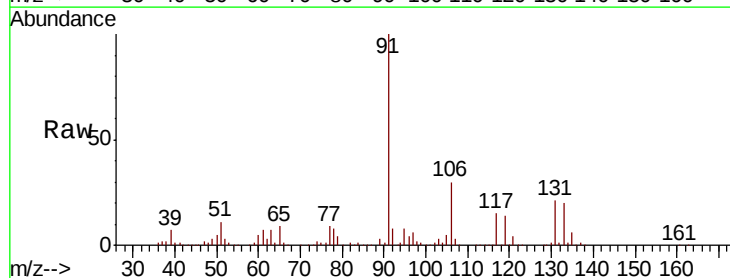
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

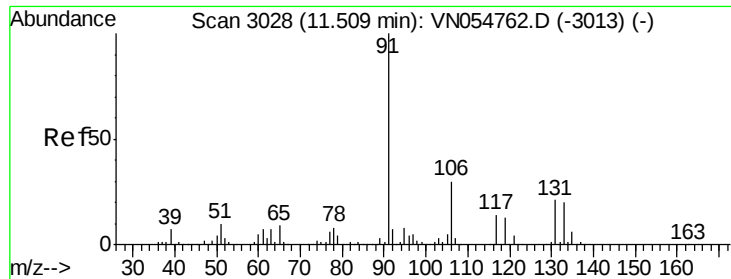
Tot Ion:112 Resp: 639876
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.885 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion:131 Resp: 239611
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.9
119 66.2 32.4 97.0

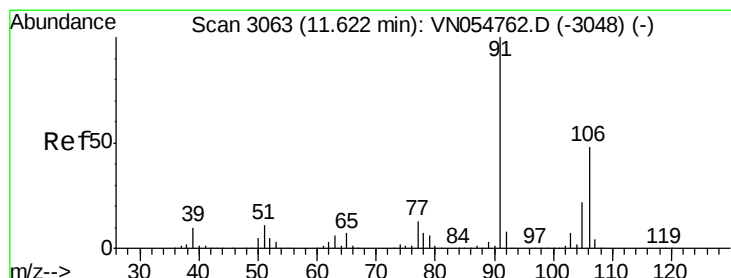
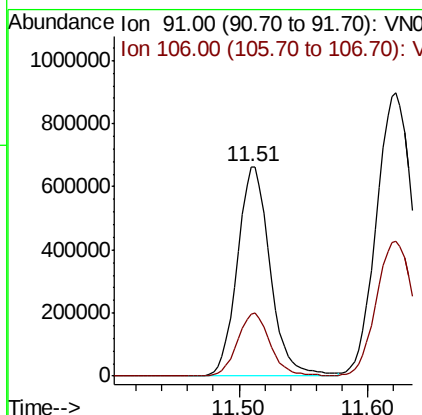
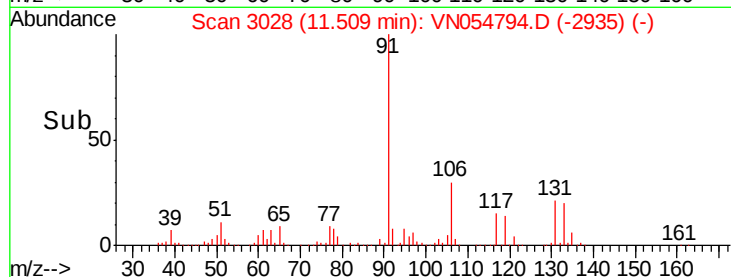
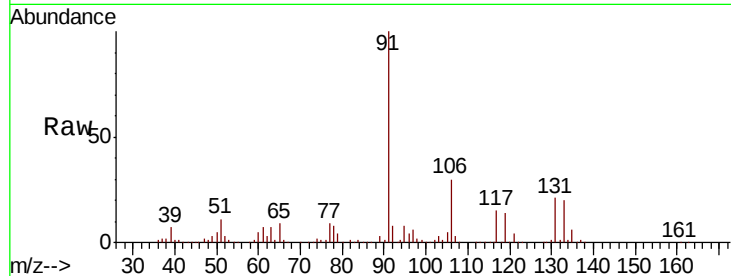




#67
Ethyl Benzene
Concen: 50.769 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

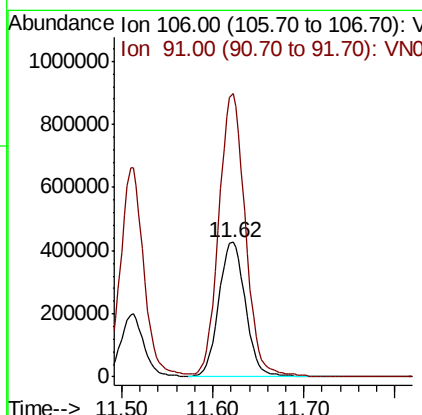
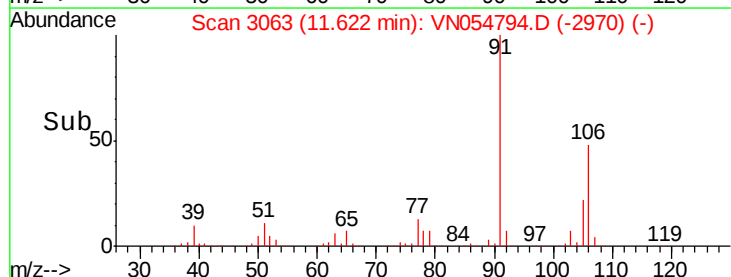
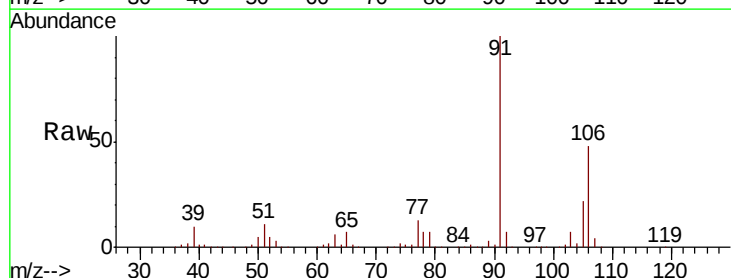
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

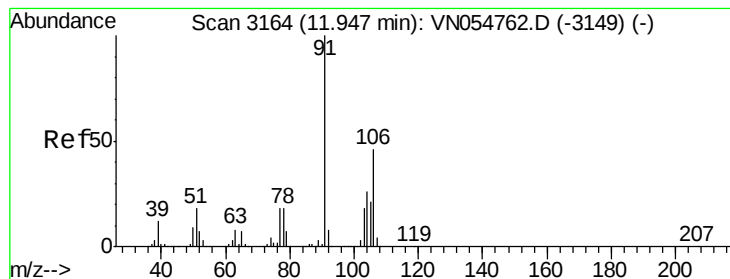
Tot Ion: 91 Resp: 1175663
Ion Ratio Lower Upper
91 100
106 29.8 25.5 38.3



#68
m/p-Xylenes
Concen: 101.889 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 106 Resp: 873159
Ion Ratio Lower Upper
106 100
91 208.5 159.4 239.2





#69

o-Xylene

Concen: 50.076 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

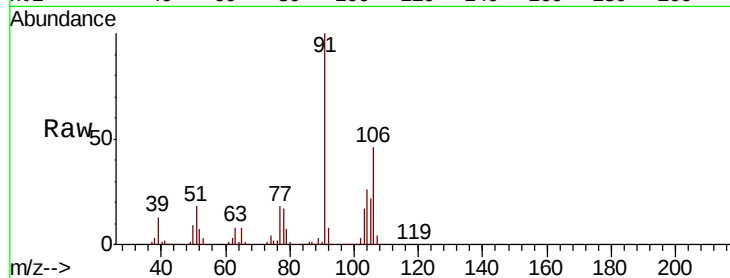
VSTDCCC050

Tot Ion:106 Resp: 420809

Ion Ratio Lower Upper

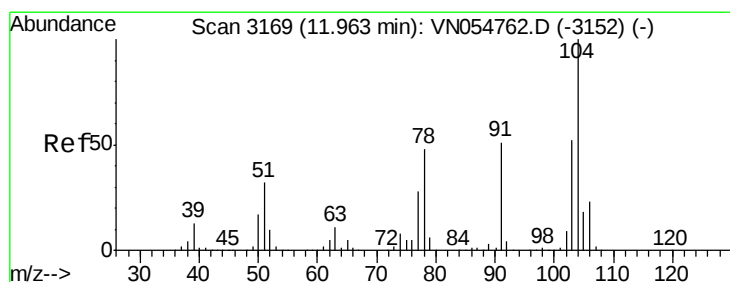
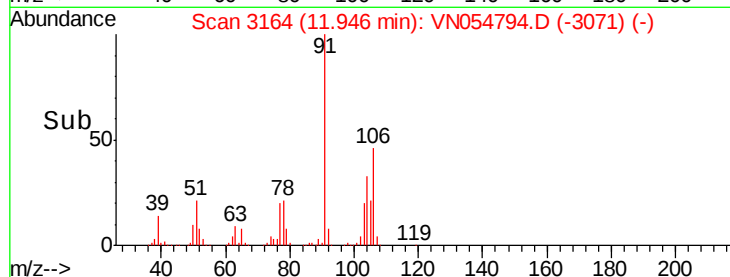
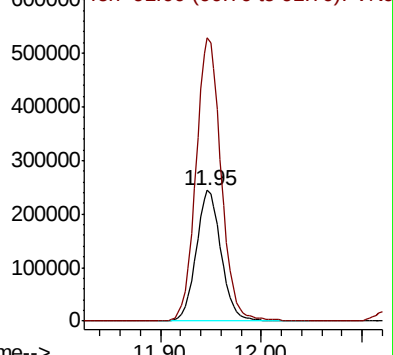
106 100

91 218.9 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 53.268 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

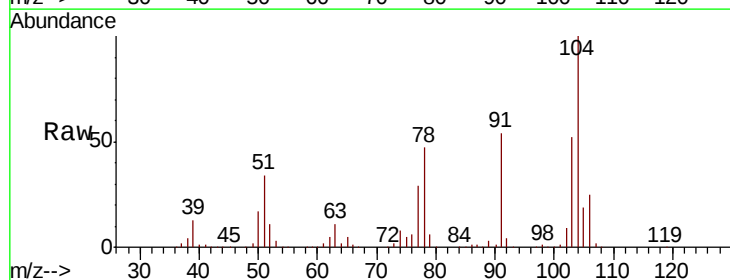
Tgt Ion:104 Resp: 715733

Ion Ratio Lower Upper

104 100

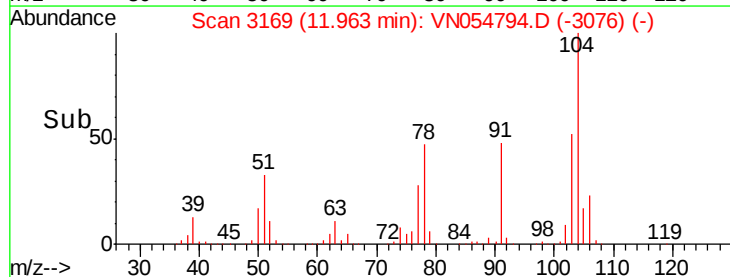
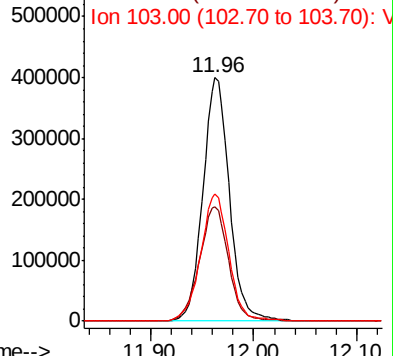
78 51.5 38.2 57.2

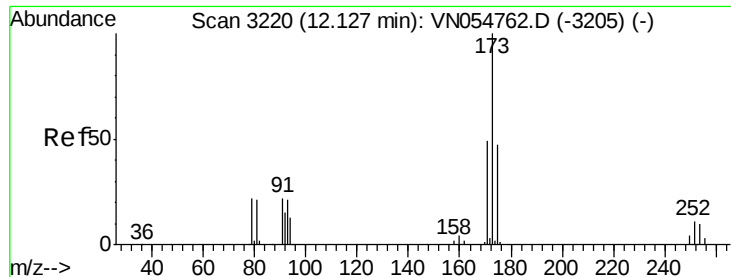
103 55.7 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN





#71

Bromoform

Concen: 53.534 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

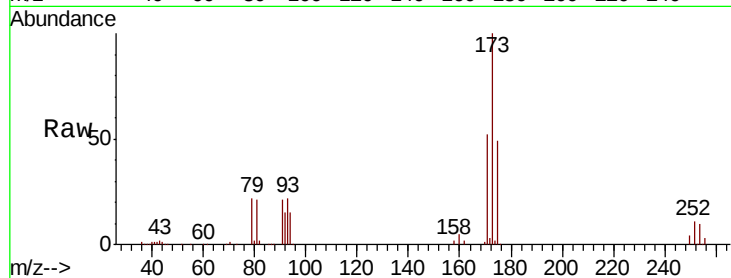
Tot Ion:173 Resp: 150642

Ion Ratio Lower Upper

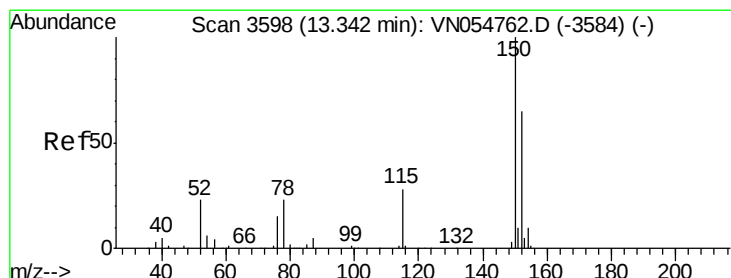
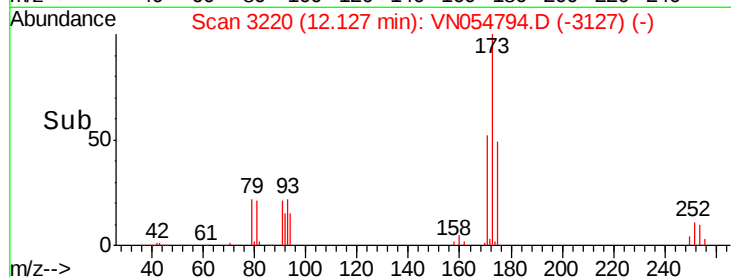
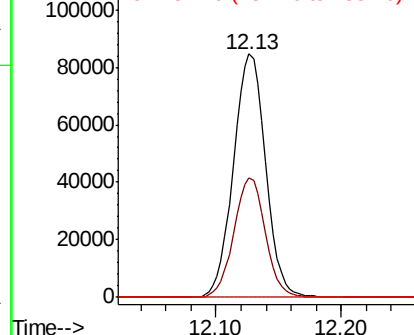
173 100

175 48.0 24.4 73.2

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

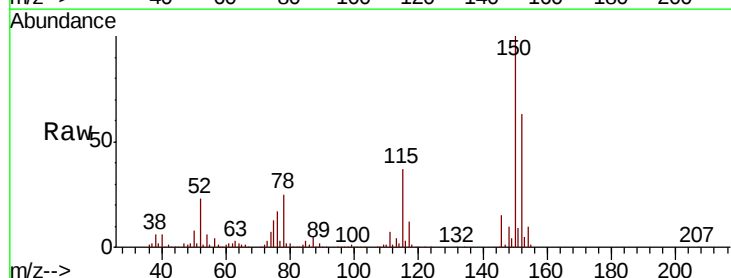
Tgt Ion:152 Resp: 295513

Ion Ratio Lower Upper

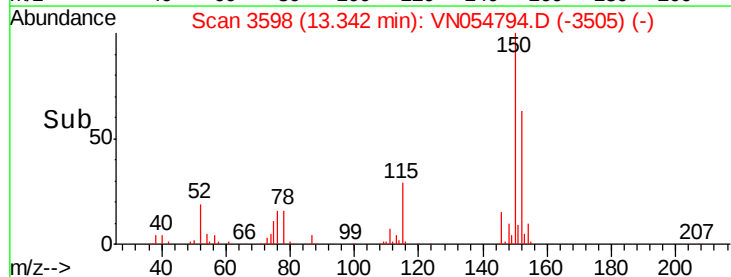
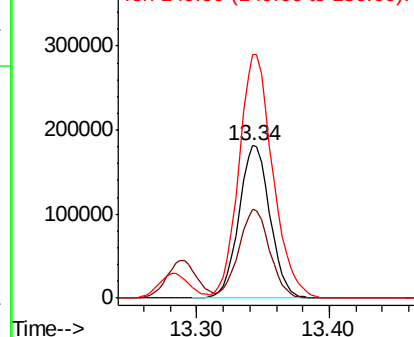
152 100

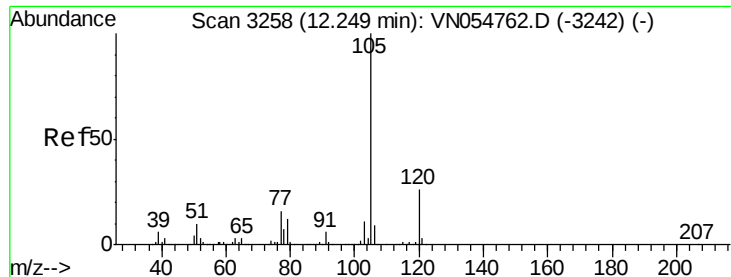
115 58.1 27.2 81.6

150 174.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.698 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

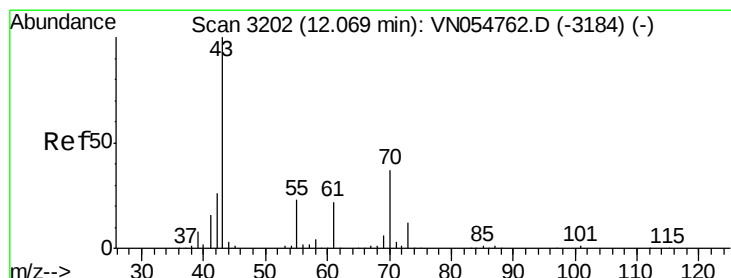
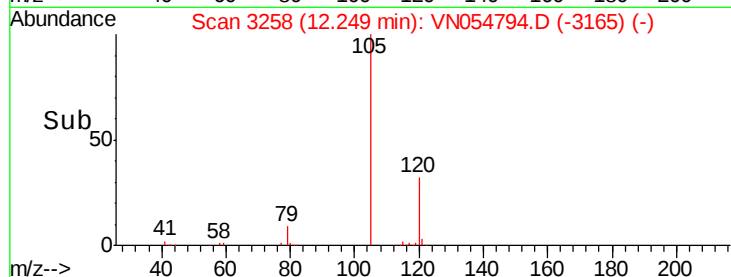
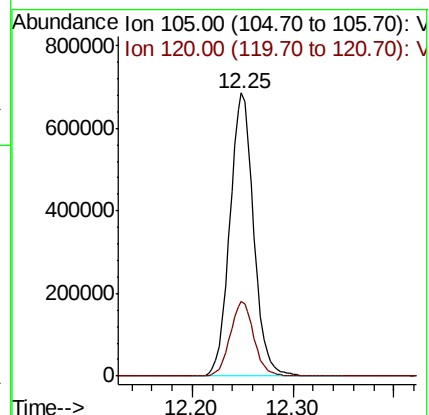
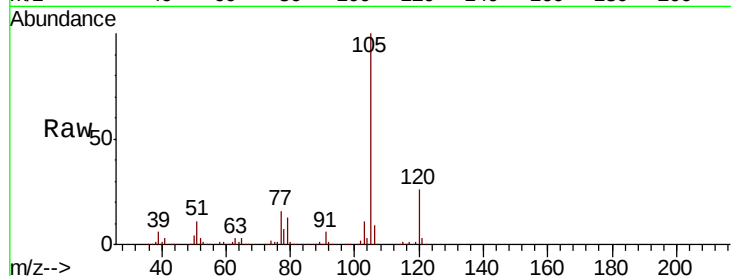
VSTDCCC050

Tot Ion:105 Resp: 1127956

Ion Ratio Lower Upper

105 100

120 26.3 13.8 41.3



#74

N-ethyl acetate

Concen: 51.413 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion: 43 Resp: 386881

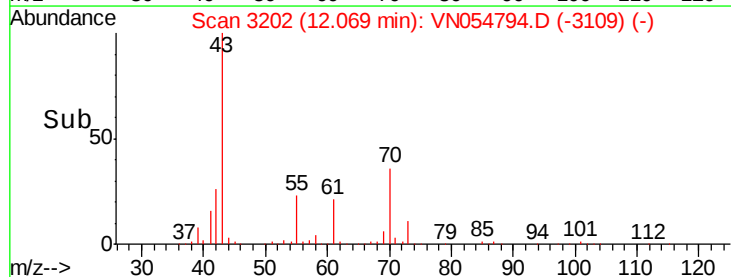
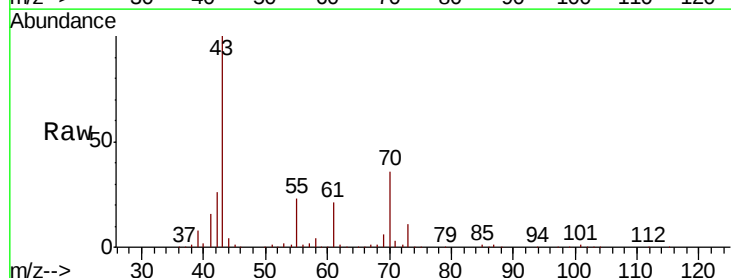
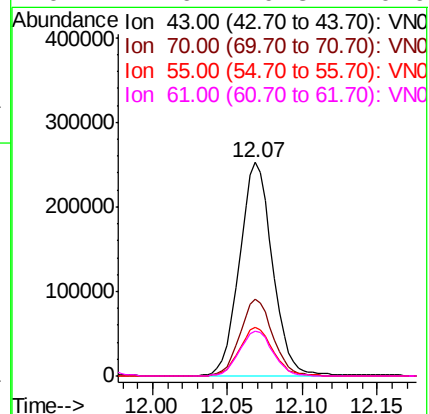
Ion Ratio Lower Upper

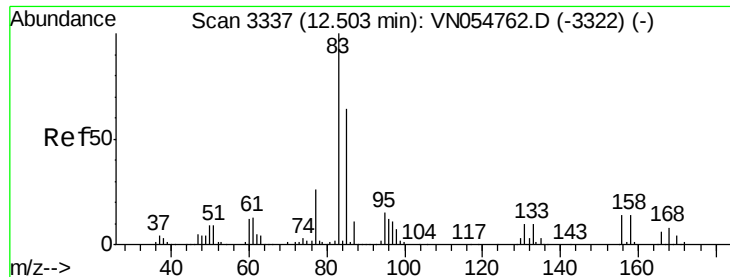
43 100

70 35.8 35.4 53.0

55 23.3 19.8 29.6

61 21.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.389 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

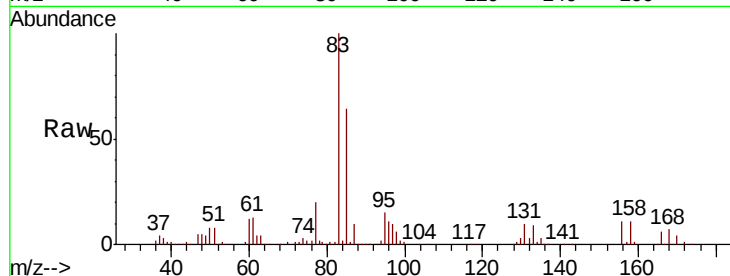
Tot Ion: 83 Resp: 283658

Ion Ratio Lower Upper

83 100

131 10.2 5.8 17.4

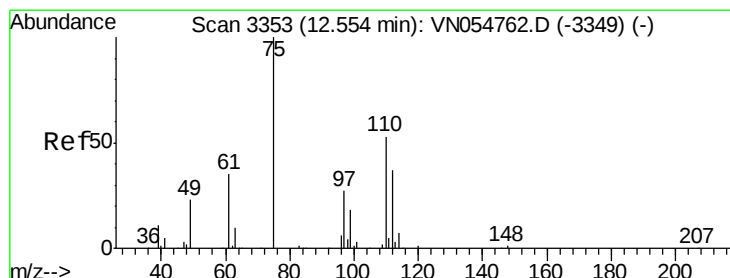
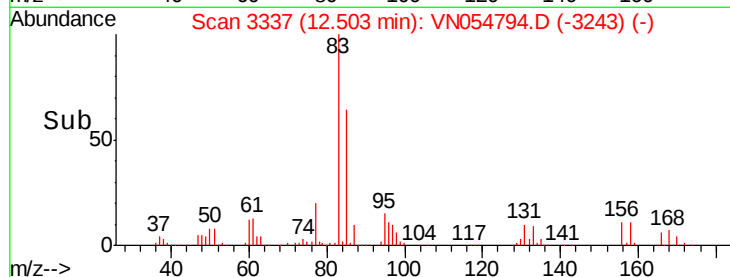
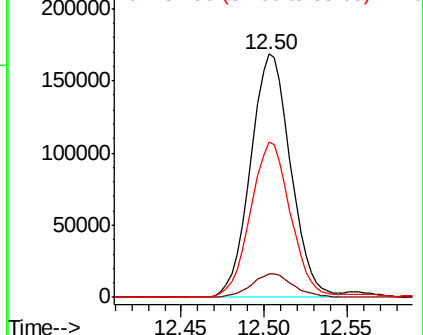
85 64.8 32.2 96.6



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: 66.025 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054794.D

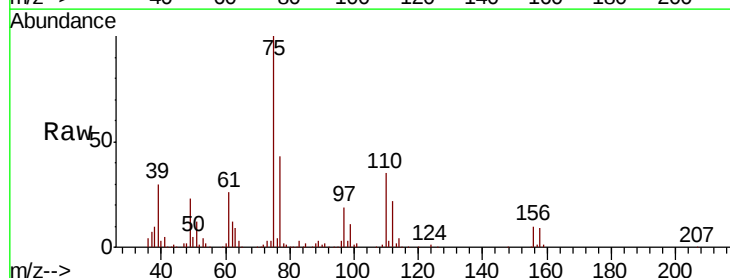
Acq: 30 Mar 2019 11:28

Tgt Ion: 75 Resp: 338953

Ion Ratio Lower Upper

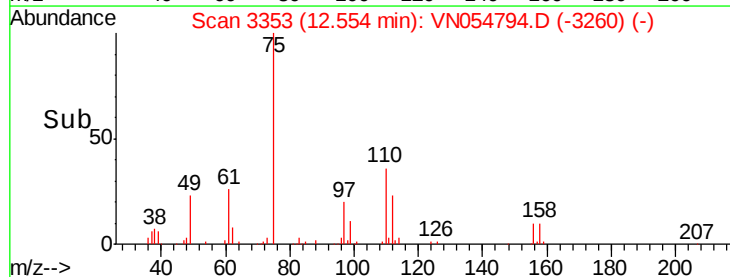
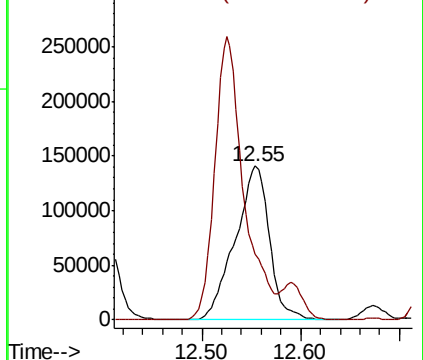
75 100

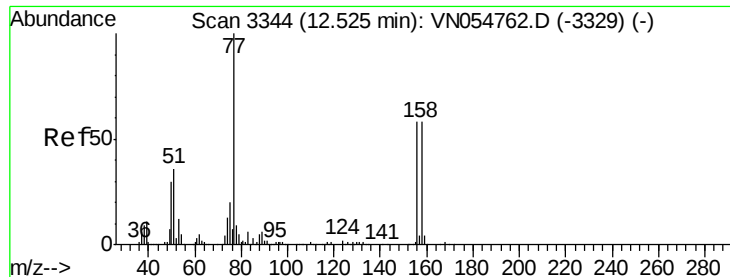
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.046 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

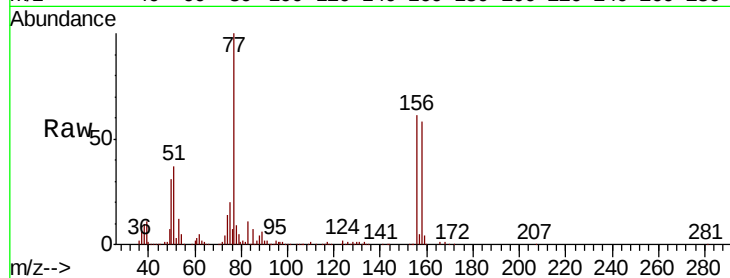
Tot Ion:156 Resp: 280084

Ion Ratio Lower Upper

156 100

77 191.4 81.5 244.4

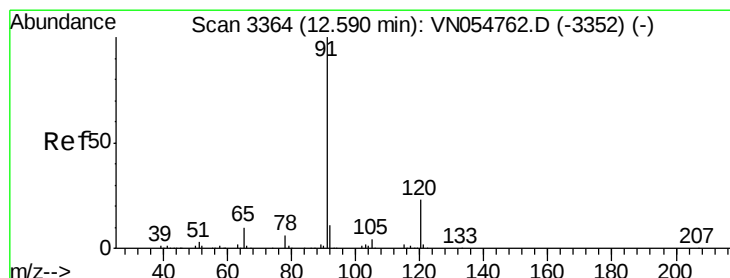
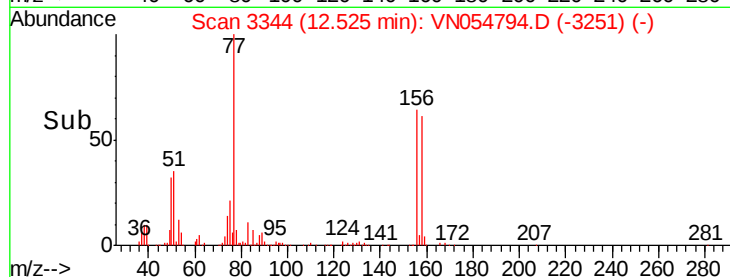
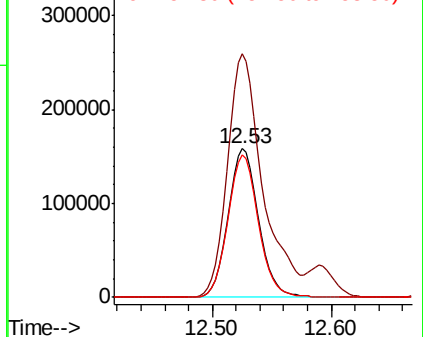
158 96.0 49.0 147.2



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: 48.442 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054794.D

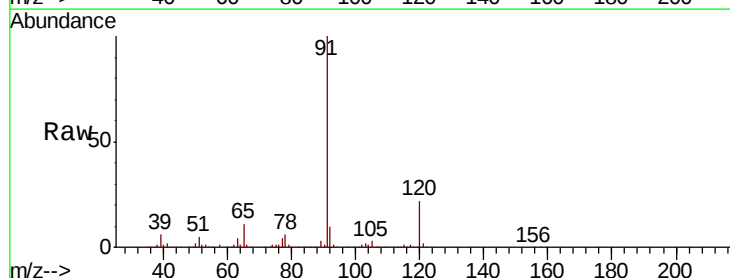
Acq: 30 Mar 2019 11:28

Tgt Ion: 91 Resp: 1286027

Ion Ratio Lower Upper

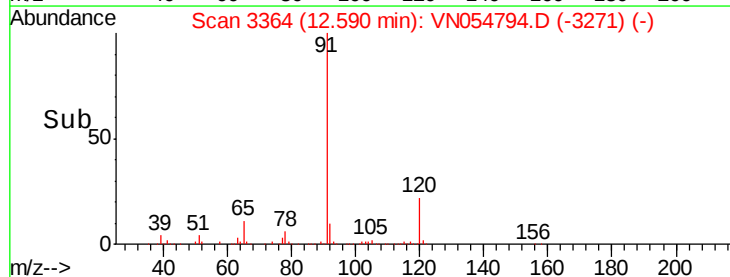
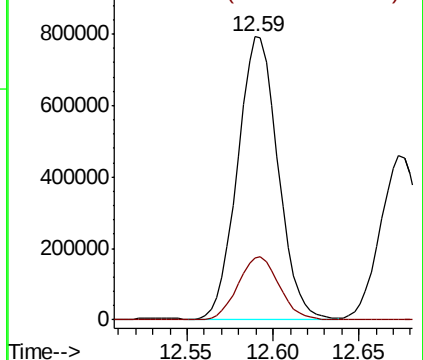
91 100

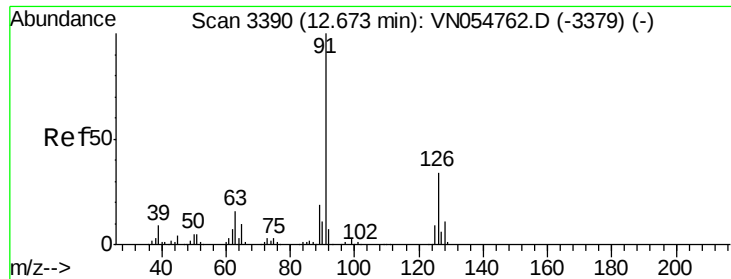
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.682 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampled :

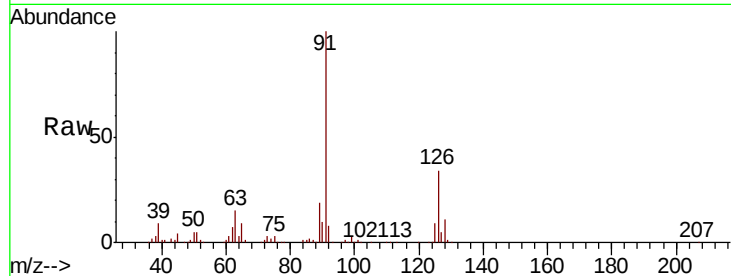
VSTDCCC050

Tot Ion: 91 Resp: 766720

Ion Ratio Lower Upper

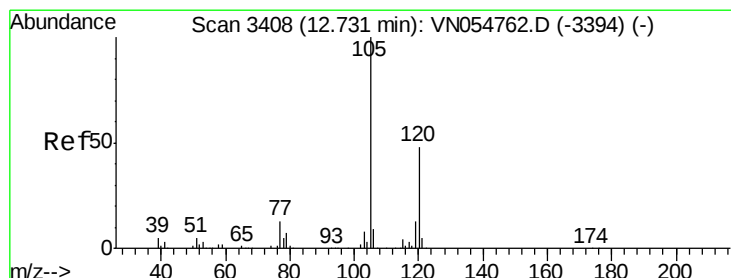
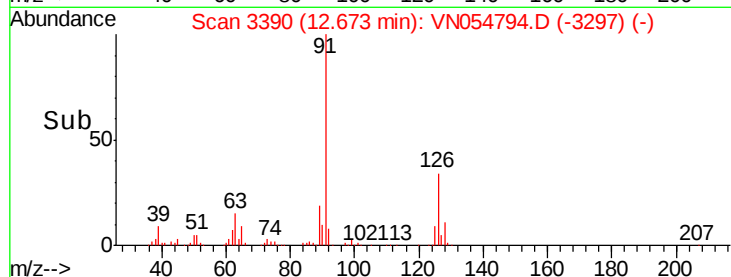
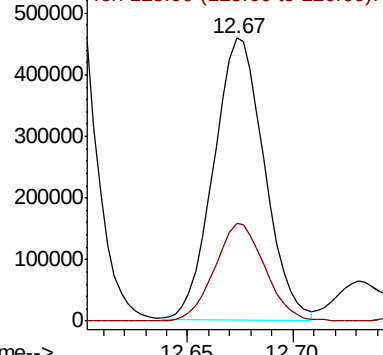
91 100

126 34.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.724 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054794.D

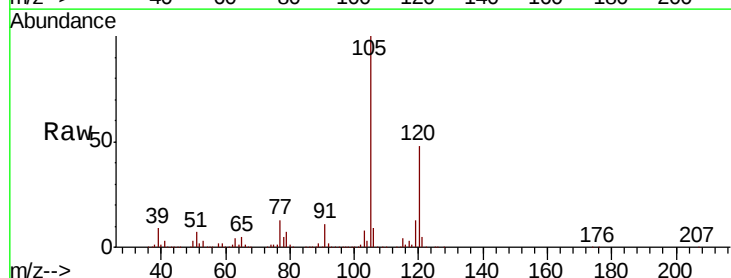
Acq: 30 Mar 2019 11:28

Tgt Ion:105 Resp: 945859

Ion Ratio Lower Upper

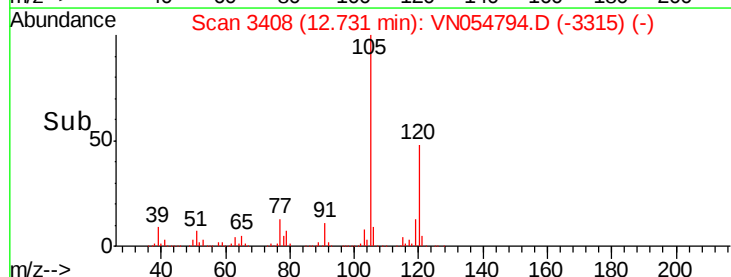
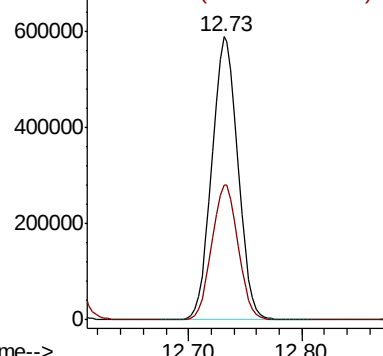
105 100

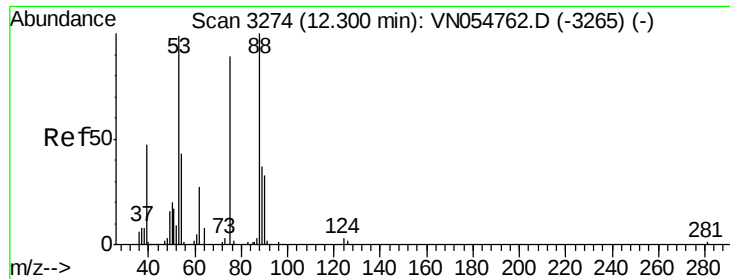
120 48.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.629 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

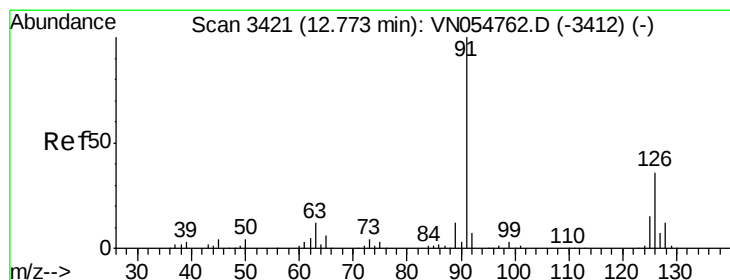
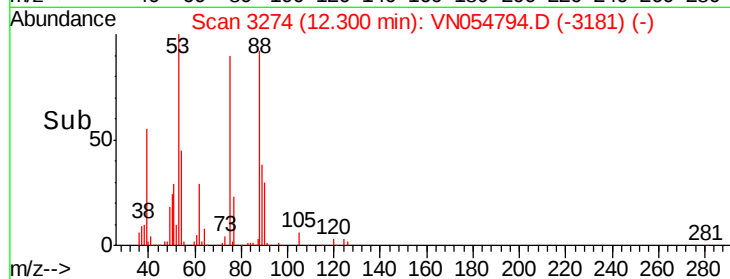
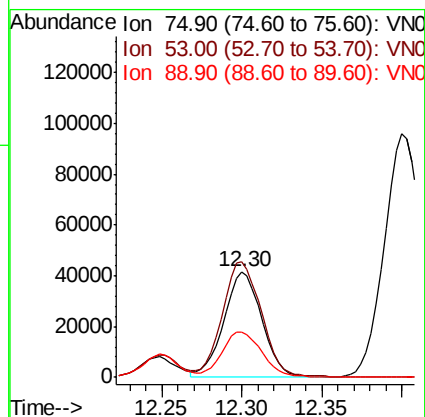
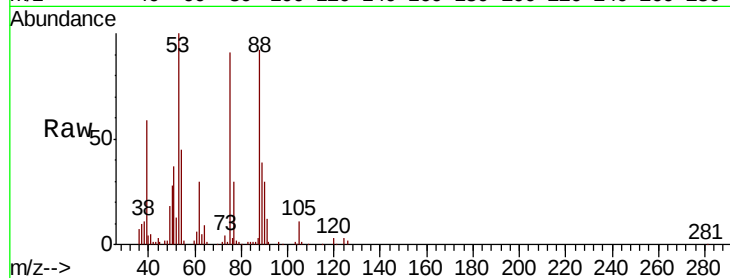
Tot Ion: 75 Resp: 68141

Ion Ratio Lower Upper

75 100

53 112.6 76.2 114.2

89 45.2 39.2 58.8



#82

4-Chlorotoluene

Concen: 48.107 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054794.D

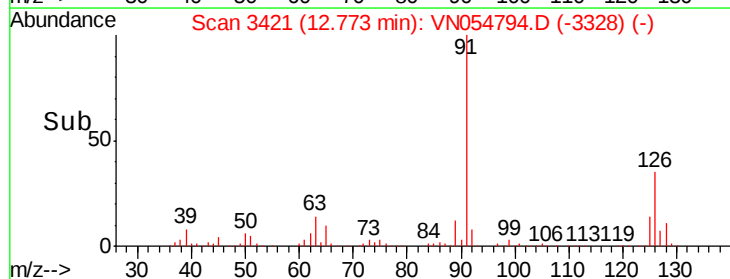
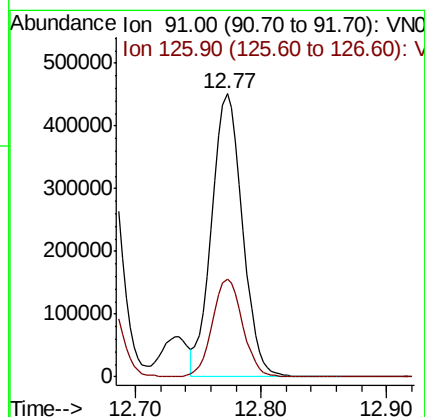
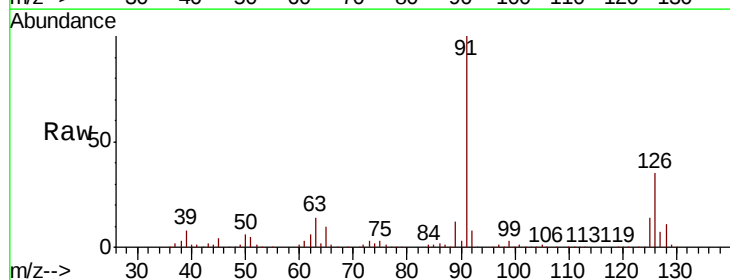
Acq: 30 Mar 2019 11:28

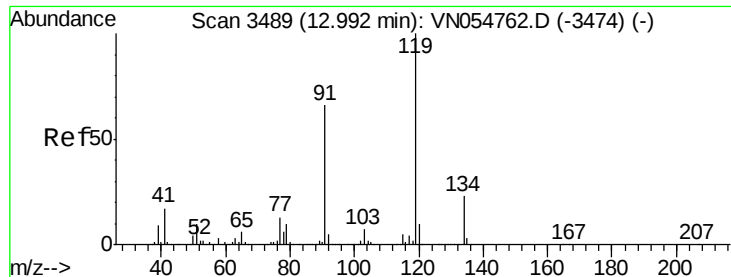
Tgt Ion: 91 Resp: 767442

Ion Ratio Lower Upper

91 100

126 34.0 18.1 54.1

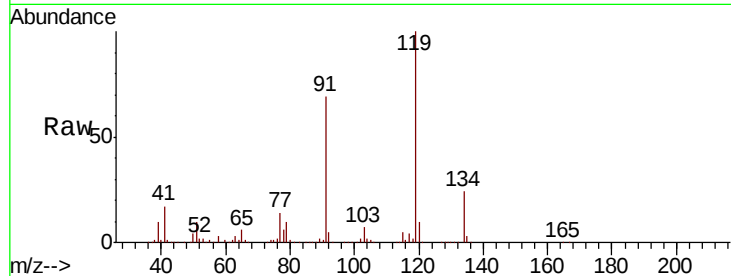




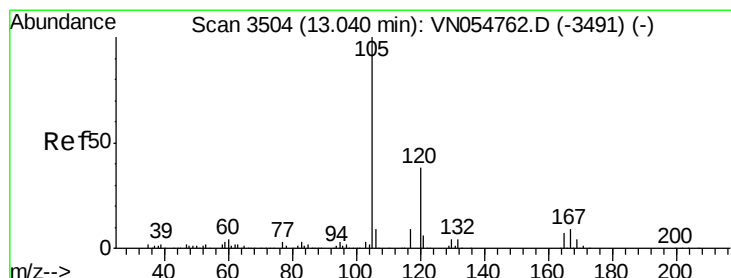
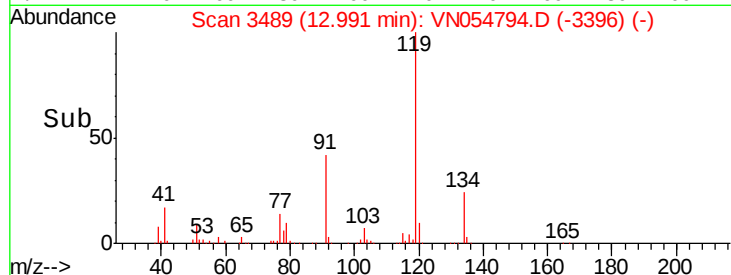
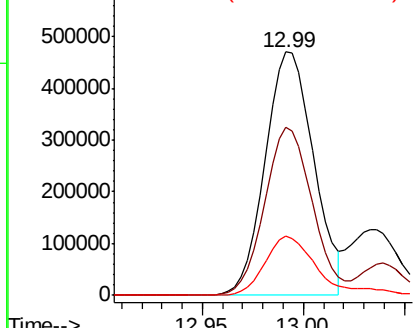
#83
tert-Butylbenzene
Concen: 51.266 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 786442
Ion Ratio Lower Upper
119 100
91 67.4 30.9 92.8
134 26.7 13.2 39.6

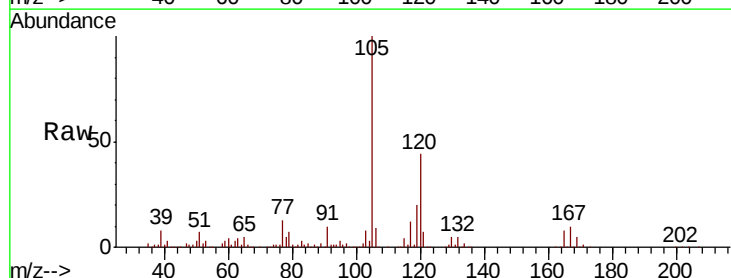


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

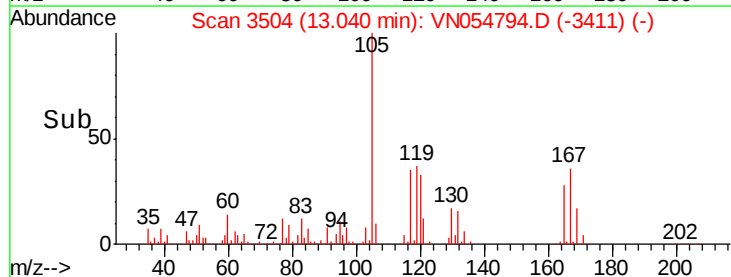
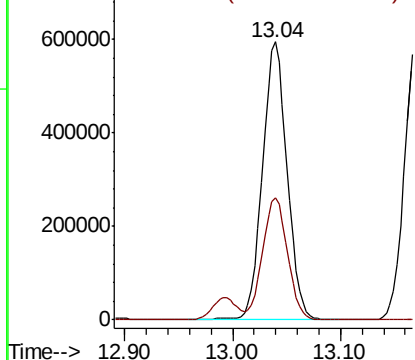


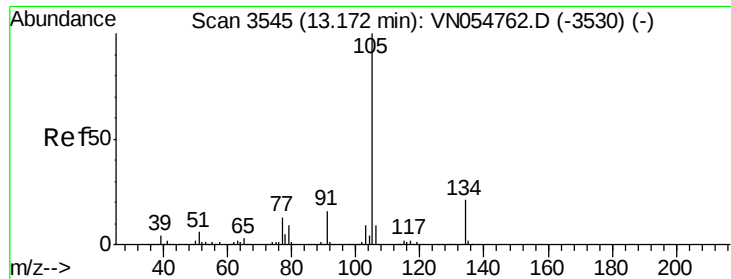
#84
1,2,4-Trimethylbenzene
Concen: 49.799 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion:105 Resp: 940298
Ion Ratio Lower Upper
105 100
120 44.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

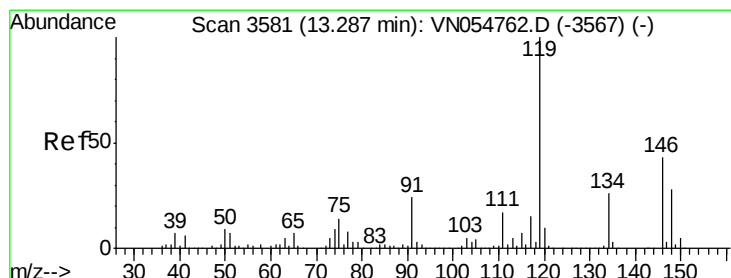
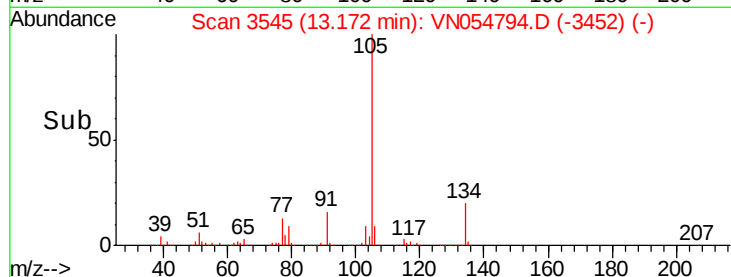
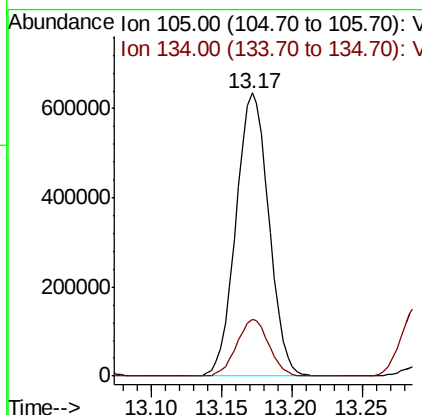
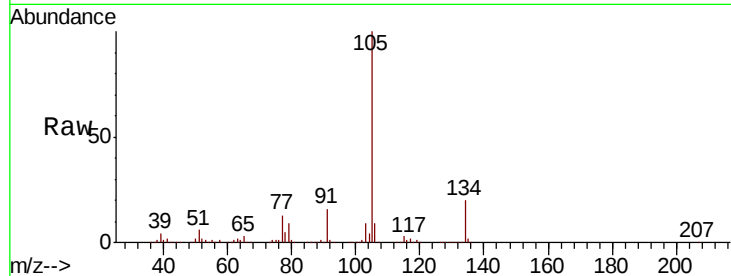




#85
 sec-Butylbenzene
 Concen: 48.195 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

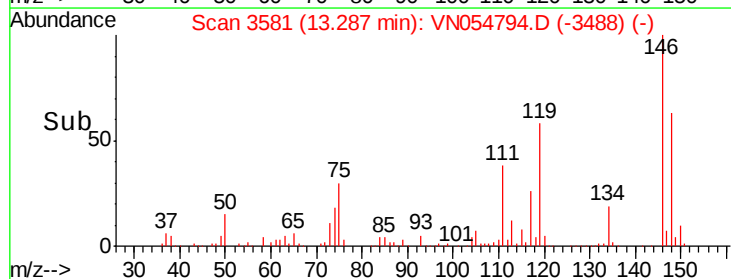
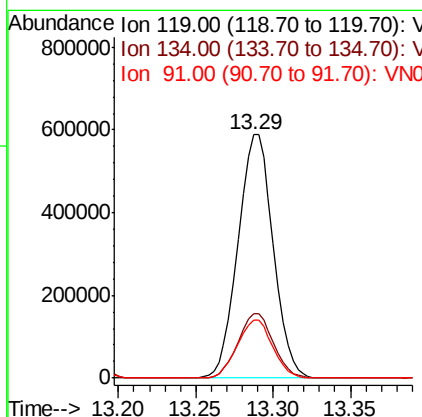
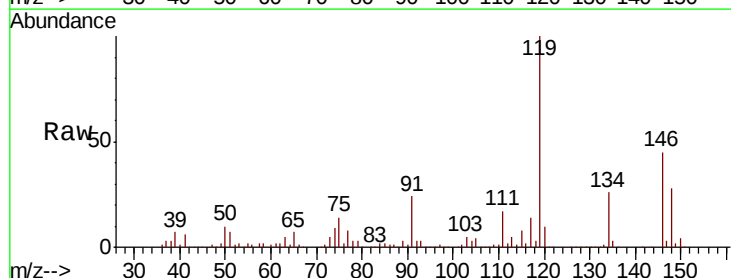
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

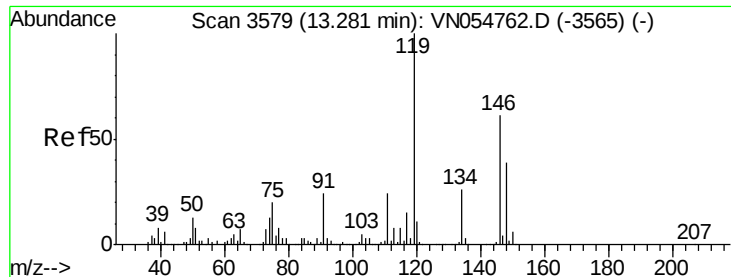
Tot Ion:105 Resp: 1037625
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 48.911 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion:119 Resp: 928770
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.6 40.8
 91 23.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.487 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

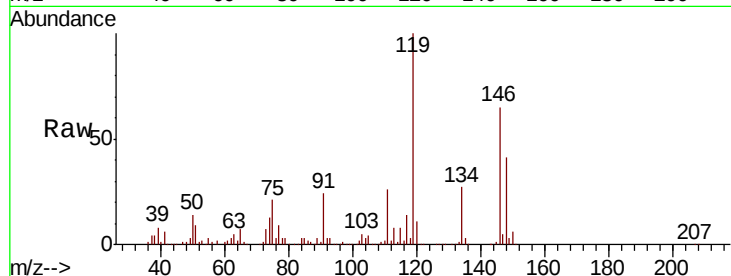
Tot Ion:146 Resp: 482991

Ion Ratio Lower Upper

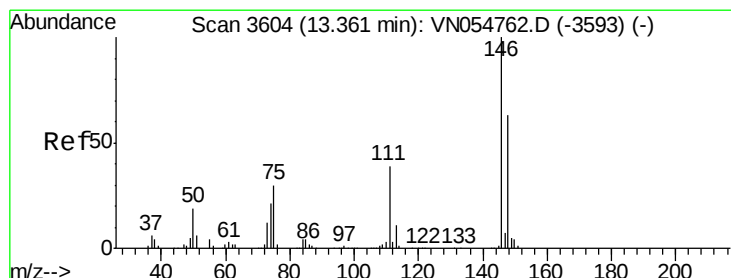
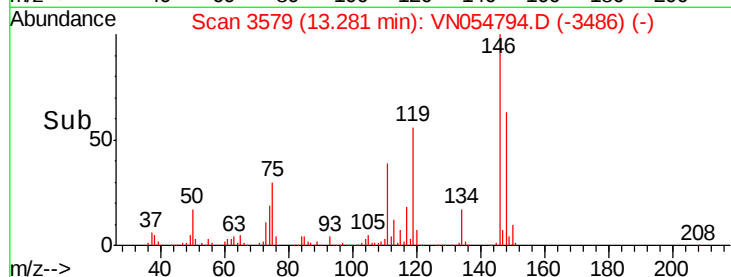
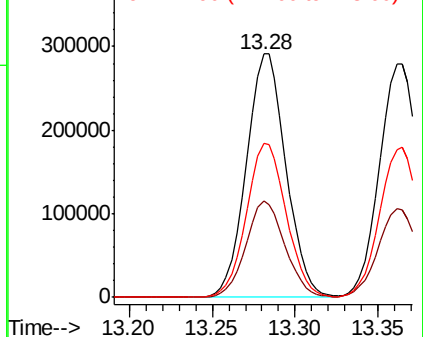
146 100

111 38.9 18.8 56.3

148 63.6 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 49.099 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

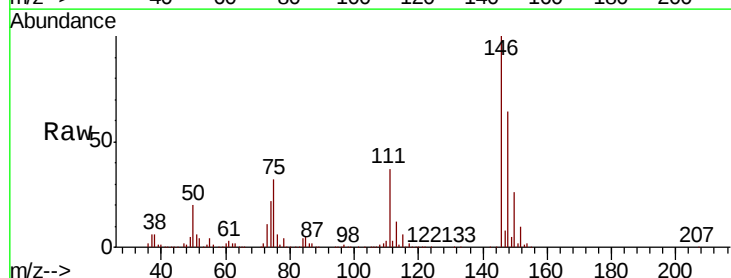
Tgt Ion:146 Resp: 470003

Ion Ratio Lower Upper

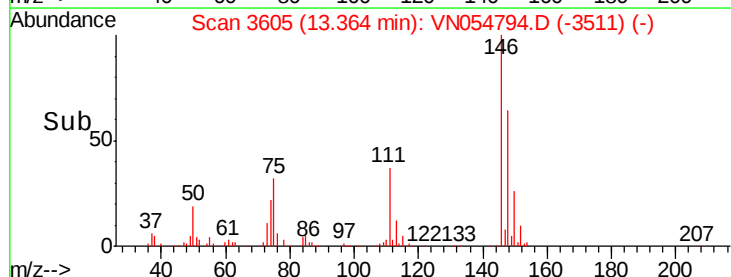
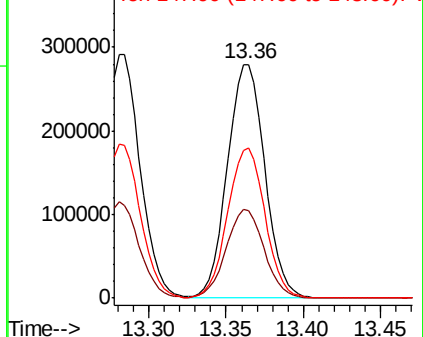
146 100

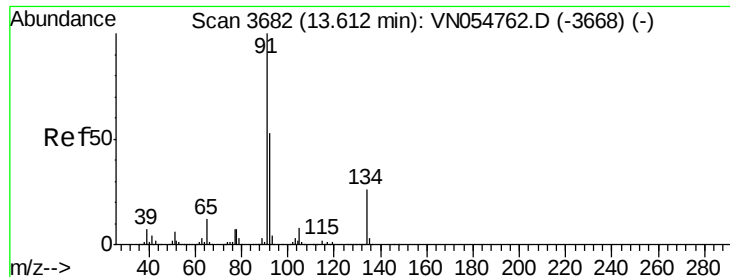
111 38.4 18.1 54.1

148 64.0 32.0 96.0



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

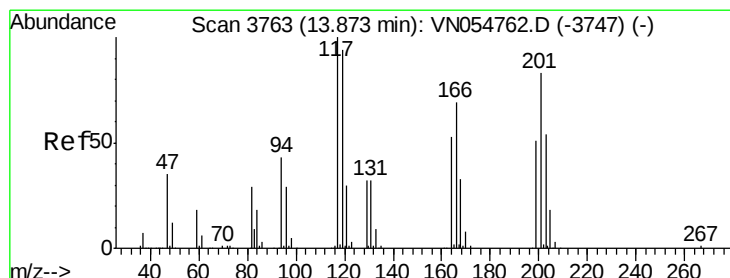
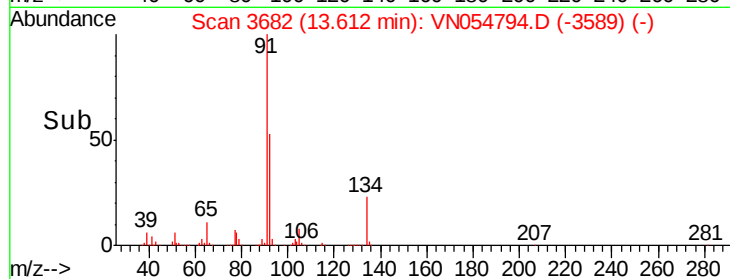
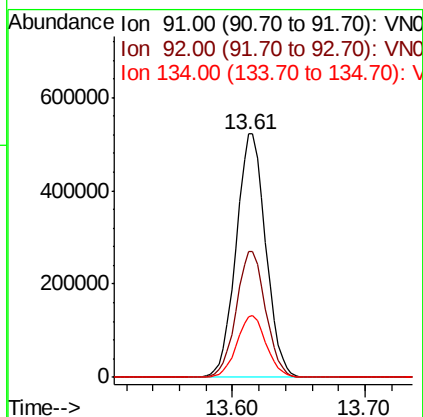
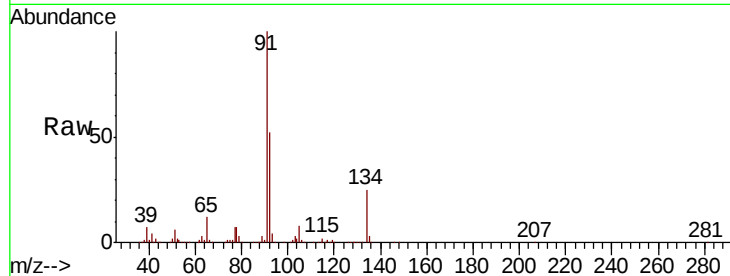




#89
n-Butylbenzene
Concen: 52.128 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

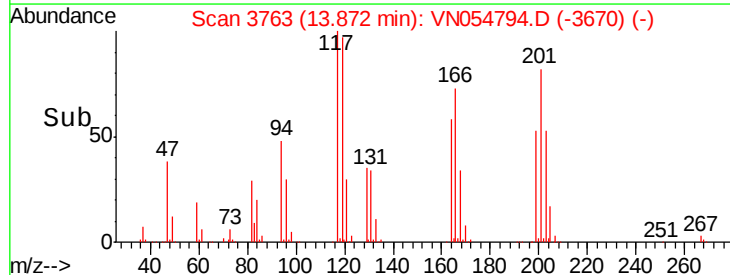
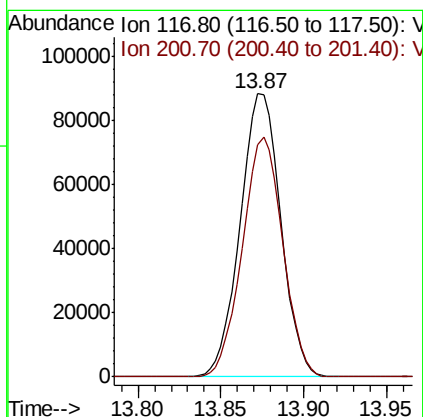
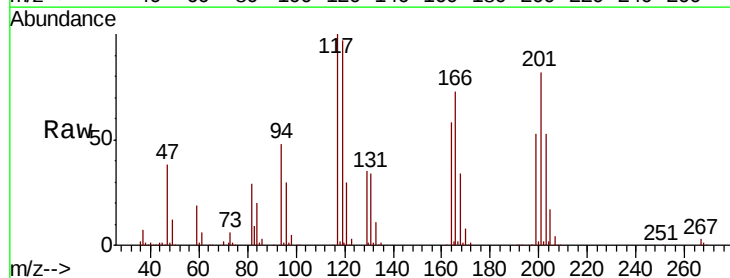
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

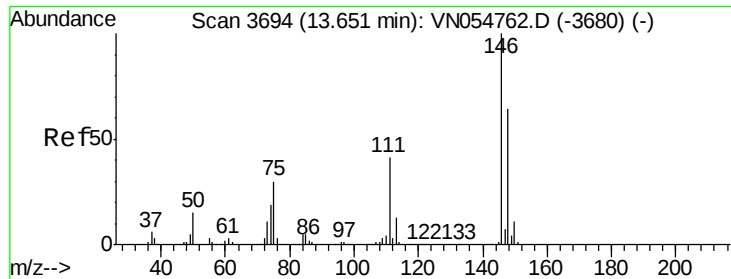
Tot Ion: 91 Resp: 807621
Ion Ratio Lower Upper
91 100
92 51.5 26.2 78.6
134 25.1 14.3 42.9



#90
Hexachloroethane
Concen: 46.724 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 117 Resp: 150641
Ion Ratio Lower Upper
117 100
201 84.2 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 47.610 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

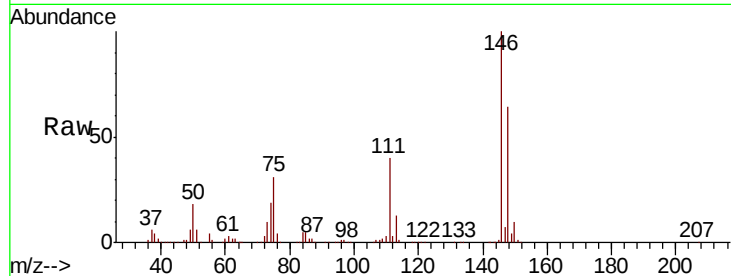
Tot Ion:146 Resp: 468957

Ion Ratio Lower Upper

146 100

111 40.4 19.1 57.3

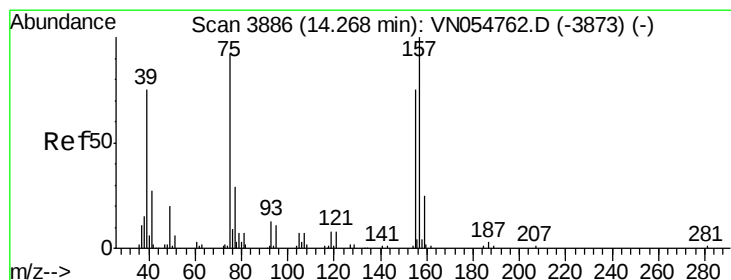
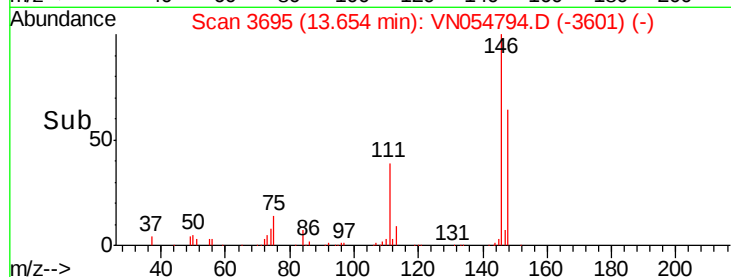
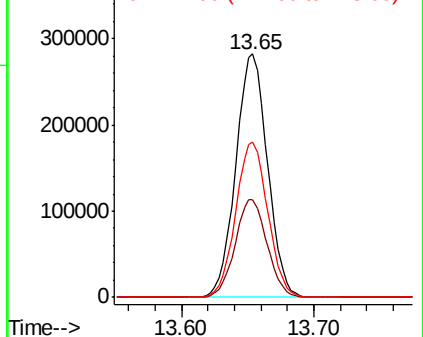
148 64.3 32.4 97.0



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: 51.999 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

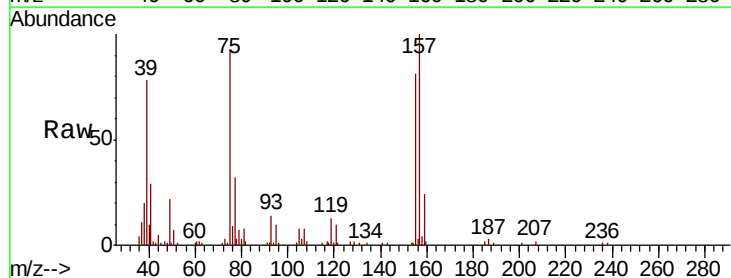
Tgt Ion: 75 Resp: 42937

Ion Ratio Lower Upper

75 100

155 83.9 50.1 150.3

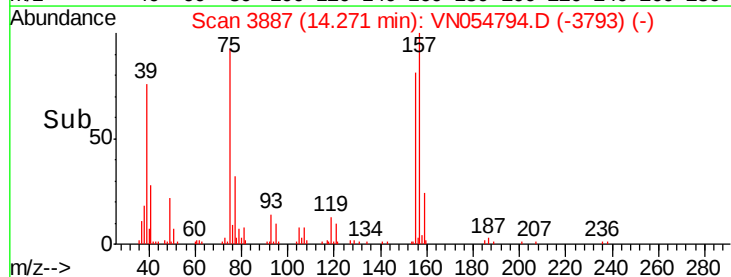
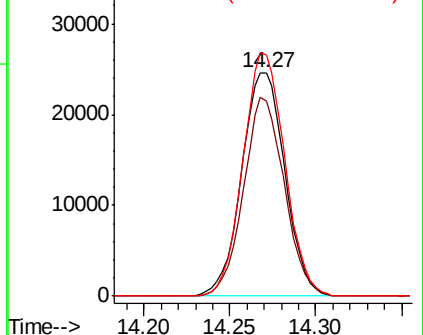
157 105.4 63.1 189.3

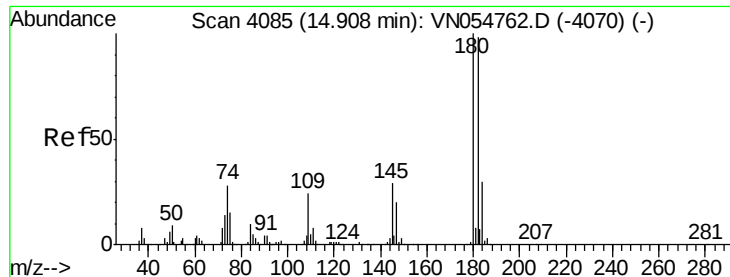


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

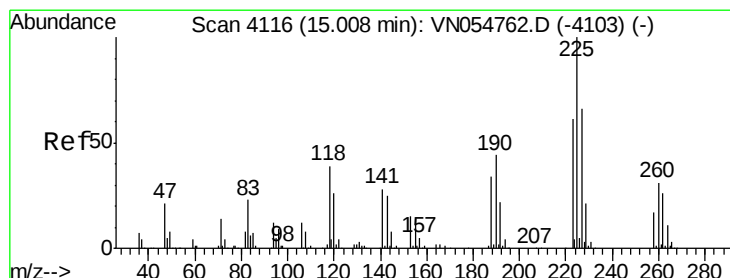
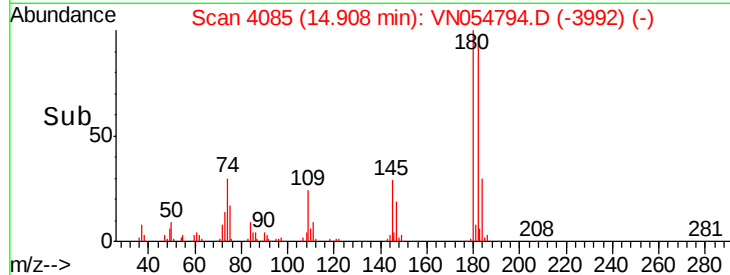
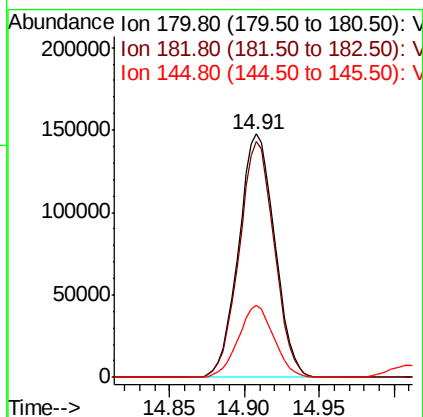
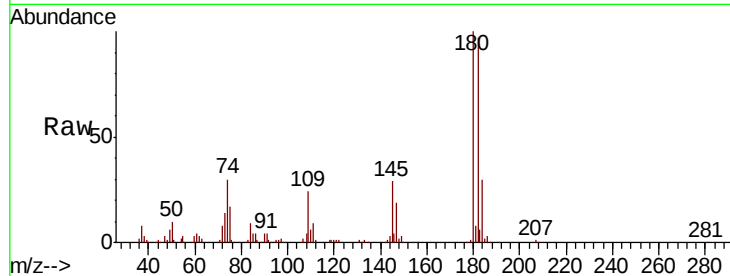




#93
 1,2,4-Trichlorobenzene
 Concen: 52.143 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

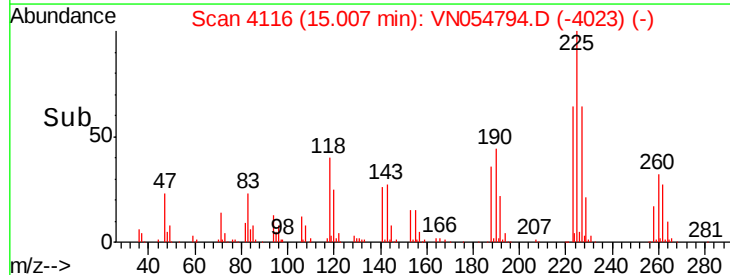
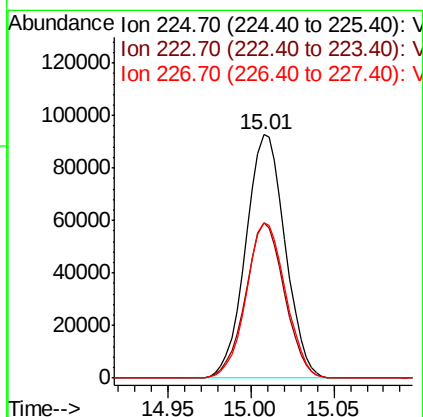
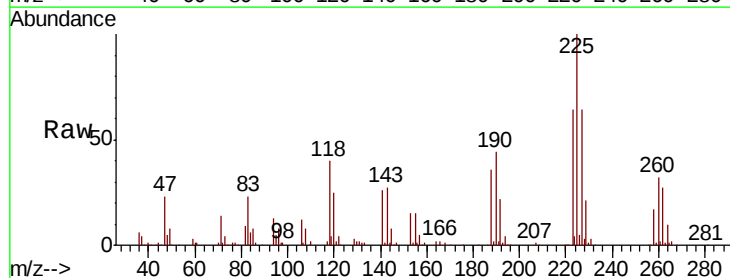
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

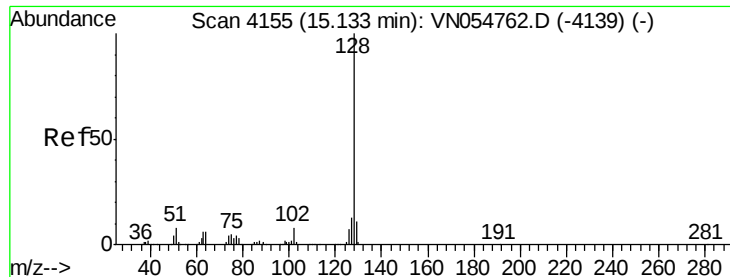
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.2
145	29.0	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 54.693 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.5
227	63.4	31.9	95.9





#95

Naphthalene

Concen: 50.944 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

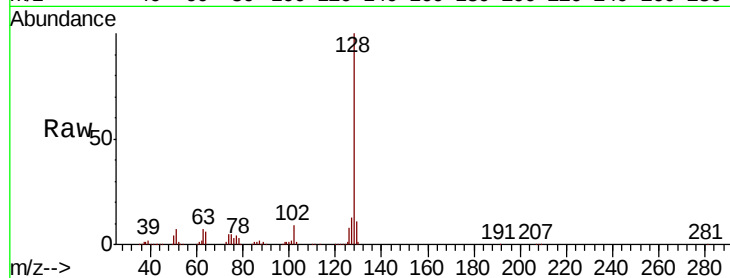
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 542580

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	10.9	8.7	13.1

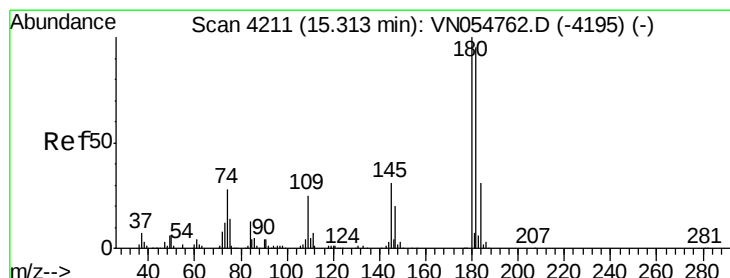
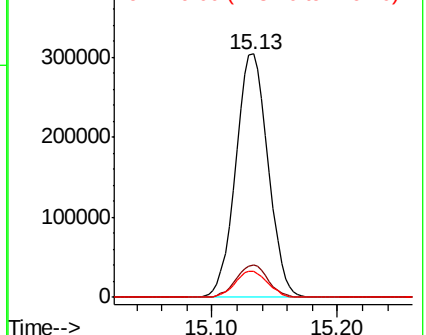
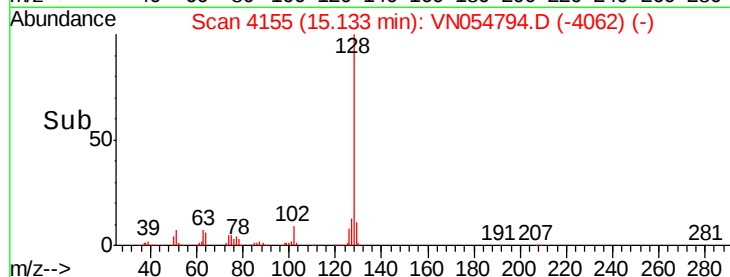


Abundance

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: 49.913 ug/l

RT: 15.31 min Scan# 4211

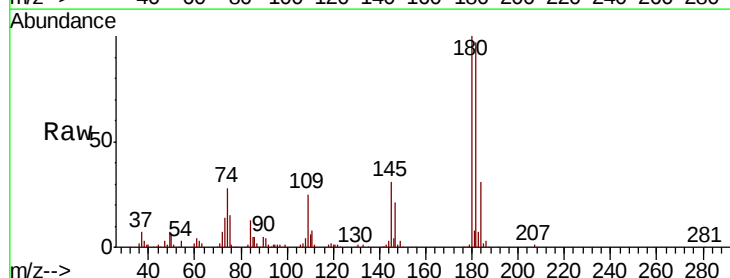
Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:180 Resp: 239376

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.6
145	30.7	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

