

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032919\
 Data File : VN054767.D
 Acq On : 29 Mar 2019 13:41
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Quant Time: Mar 30 03:06:47 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	7.66	168	465266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	725981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	640340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294510	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	293286	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	237627	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.09	98	895658	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	311271	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	227552	48.352	ug/l	99
3) Chloromethane	2.06	50	311211	47.826	ug/l	99
4) Vinyl Chloride	2.19	62	275657	47.173	ug/l	98
5) Bromomethane	2.57	94	161030	52.681	ug/l	97
6) Chloroethane	2.71	64	153041	46.902	ug/l	99
7) Trichlorofluoromethane	3.02	101	346491	48.229	ug/l	99
8) Diethyl Ether	3.41	74	115301	49.842	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	188240	49.773	ug/l	93
10) Methyl Iodide	3.94	142	261359	50.481	ug/l #	89
11) Tert butyl alcohol	4.81	59	79392	242.954	ug/l	100
12) 1,1-Dichloroethene	3.73	96	181234	49.554	ug/l #	74
13) Acrolein	3.61	56	75048	256.896	ug/l	97
14) Allyl chloride	4.32	41	438656	48.694	ug/l #	91
15) Acrylonitrile	5.00	53	456946	251.576	ug/l	100
16) Acetone	3.82	43	402298	268.982	ug/l #	82
17) Carbon Disulfide	4.04	76	579700	48.870	ug/l	98
18) Methyl Acetate	4.33	43	199103	51.130	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	640045	50.031	ug/l	95
20) Methylene Chloride	4.55	84	250697	47.519	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	233995	48.711	ug/l	85
22) Diisopropyl ether	5.96	45	893185	50.131	ug/l #	94
23) Vinyl Acetate	5.90	43	3255768	262.585	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	465845	49.014	ug/l	97
25) 2-Butanone	6.84	43	607711	274.879	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	342894	51.475	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	268902	49.552	ug/l	87
28) Bromochloromethane	7.19	49	237860	50.050	ug/l #	72
29) Tetrahydrofuran	7.22	42	383848	249.978	ug/l #	83
30) Chloroform	7.37	83	444268	49.022	ug/l	99
31) Cyclohexane	7.65	56	454180	52.550	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	375389	49.982	ug/l	95
36) 1,1-Dichloropropene	7.79	75	345963	51.142	ug/l	96
37) Ethyl Acetate	6.94	43	264678	53.354	ug/l	95
38) Carbon Tetrachloride	7.77	117	331724	50.488	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	400529	53.856	ug/l	89
40) Benzene	8.04	78	1008106	52.081	ug/l	100
41) Methacrylonitrile	7.17	41	138176	49.584	ug/l	93
42) 1,2-Dichloroethane	8.12	62	361233	52.266	ug/l	97
43) Isopropyl Acetate	8.17	43	443130	54.975	ug/l #	94
44) Trichloroethene	8.83	130	264262	52.592	ug/l	92
45) 1,2-Dichloropropane	9.12	63	283405	51.348	ug/l	97
46) Dibromomethane	9.21	93	160796	51.789	ug/l	88
47) Bromodichloromethane	9.40	83	341844	52.976	ug/l	97
48) Methyl methacrylate	9.20	41	228330	52.256	ug/l	87
49) 1,4-Dioxane	9.20	88	42231	974.090	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1229736	271.355	ug/l	94
52) Toluene	10.16	92	608132	52.799	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	342110	56.361	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	409311	56.450	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	218748	51.076	ug/l	97
56) Ethyl methacrylate	10.43	69	305631	54.401	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	392159	53.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	638877	263.413	ug/l #	89
59) 2-Hexanone	10.75	43	809168	278.918	ug/l	90
60) Dibromochloromethane	10.90	129	240960	55.542	ug/l	99
61) 1,2-Dibromoethane	11.00	107	217911	53.242	ug/l	99
64) Tetrachloroethene	10.63	164	246483	50.162	ug/l	95
65) Chlorobenzene	11.43	112	644752	51.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	238811	50.891	ug/l	97
67) Ethyl Benzene	11.51	91	1174838	51.929	ug/l	98
68) m/p-Xylenes	11.62	106	882713	105.433	ug/l	95
69) o-Xylene	11.95	106	425345	51.809	ug/l	96
70) Styrene	11.96	104	717371	54.649	ug/l	97
71) Bromoform	12.13	173	149911	54.530	ug/l	100
73) Isopropylbenzene	12.25	105	1129160	46.908	ug/l	98
74) N-amyl acetate	12.07	43	374436	49.928	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	271827	51.268	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	332597	65.007	ug/l #	100
77) Bromobenzene	12.53	156	278455	47.930	ug/l	85
78) n-propylbenzene	12.59	91	1310347	49.526	ug/l	95
79) 2-Chlorotoluene	12.67	91	776715	47.452	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	955972	48.399	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	65132	49.517	ug/l #	84
82) 4-Chlorotoluene	12.77	91	782118	49.194	ug/l	96
83) tert-Butylbenzene	12.99	119	807646	52.894	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	948333	50.396	ug/l	97
85) sec-Butylbenzene	13.17	105	1046348	48.766	ug/l	97
86) p-Isopropyltoluene	13.29	119	952703	50.342	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	488215	50.193	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	471245	49.396	ug/l	98
89) n-Butylbenzene	13.61	91	821319	53.193	ug/l	97
90) Hexachloroethane	13.87	117	154145	47.974	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	475027	48.390	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42272	51.368	ug/l	83

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QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

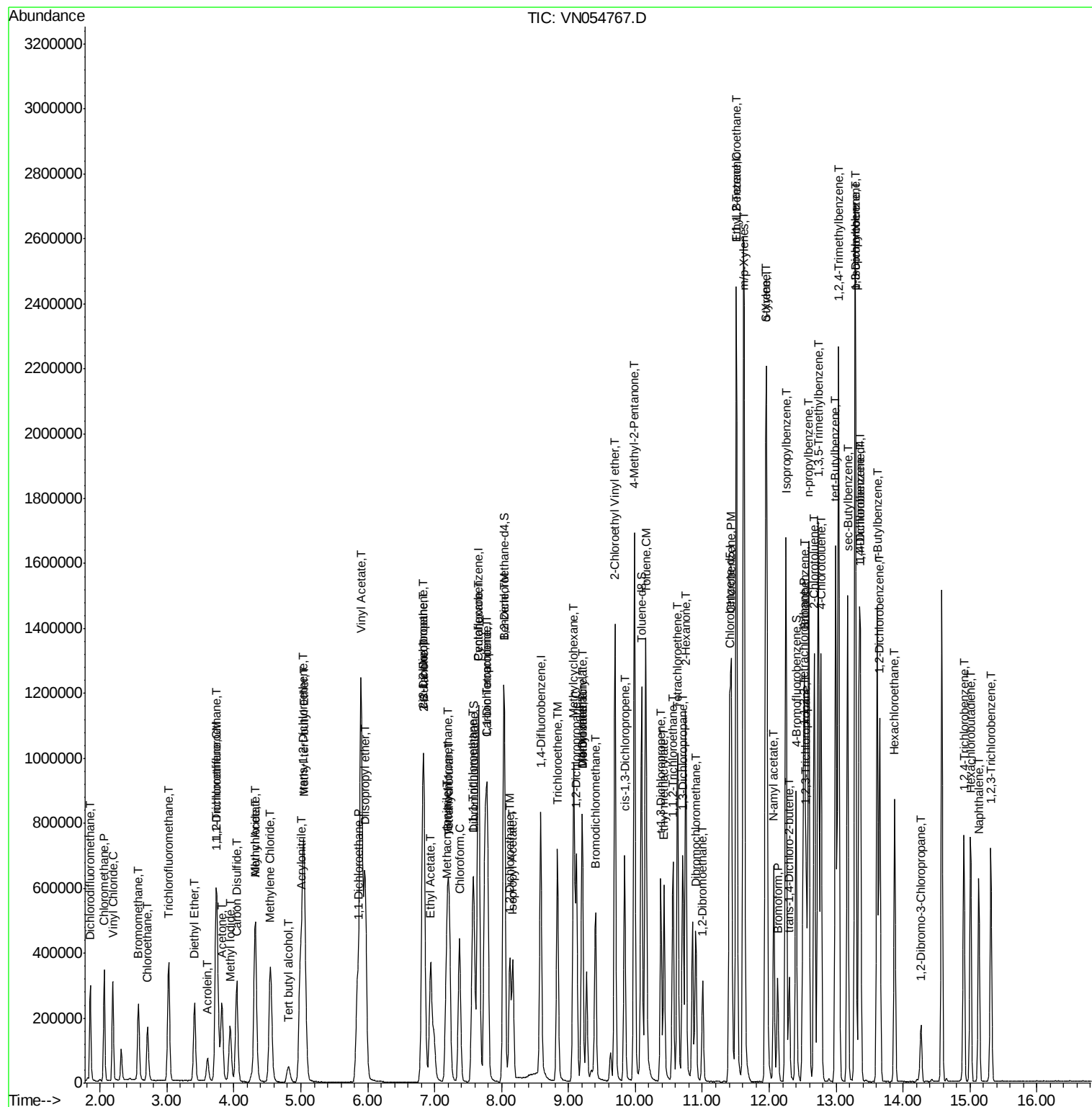
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	252063	53.261	ug/l	99
94) Hexachlorobutadiene	15.01	225	154118	55.206	ug/l	99
95) Naphthalene	15.13	128	533658	50.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	245859	51.439	ug/l	98

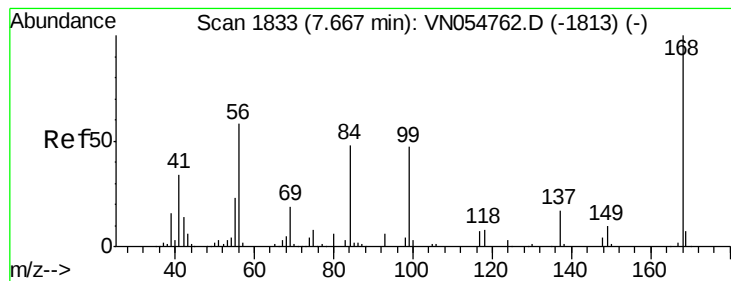
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

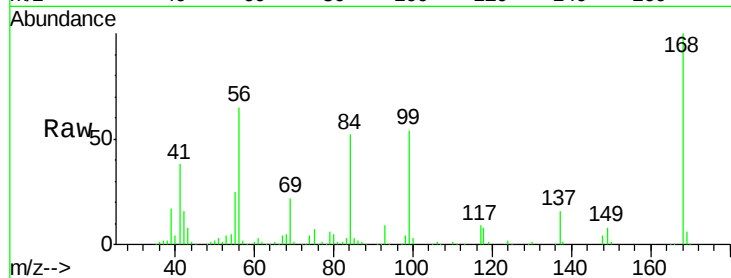
ICVVN032919

Tgt Ion:168 Resp: 465266

Ion Ratio Lower Upper

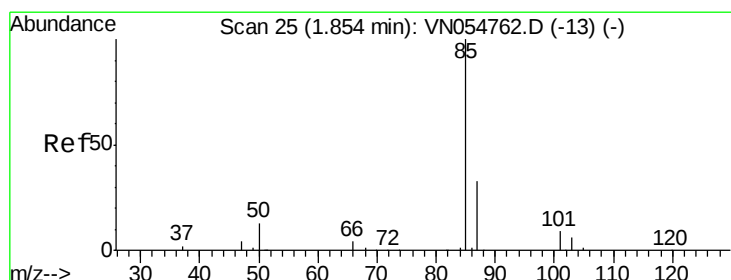
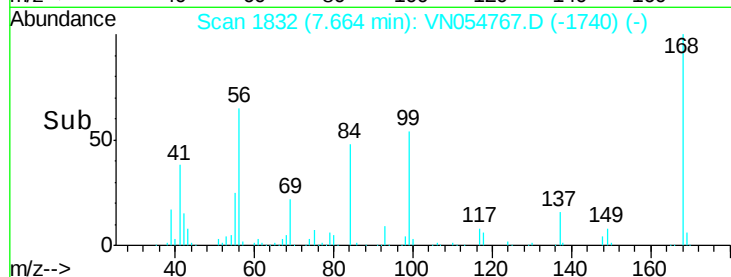
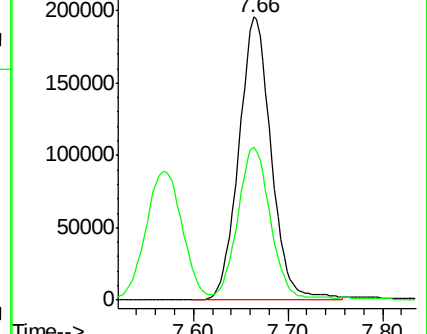
168 100

99 53.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.352 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054767.D

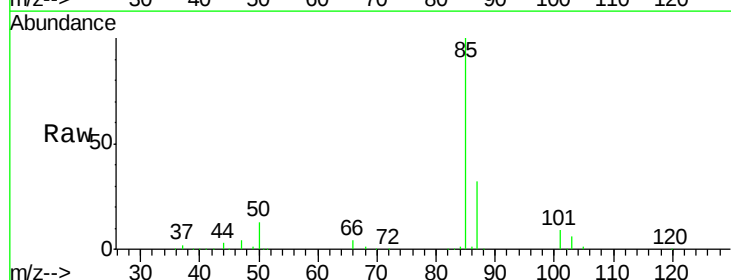
Acq: 29 Mar 2019 13:41

Tgt Ion: 85 Resp: 227552

Ion Ratio Lower Upper

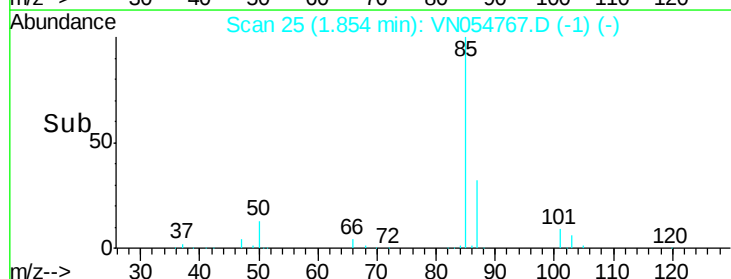
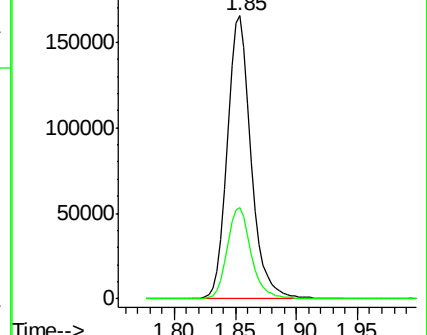
85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.826 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

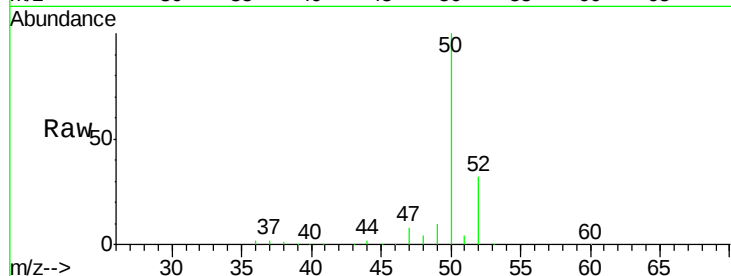
ICVVN032919

Tgt Ion: 50 Resp: 311211

Ion Ratio Lower Upper

50 100

52 32.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

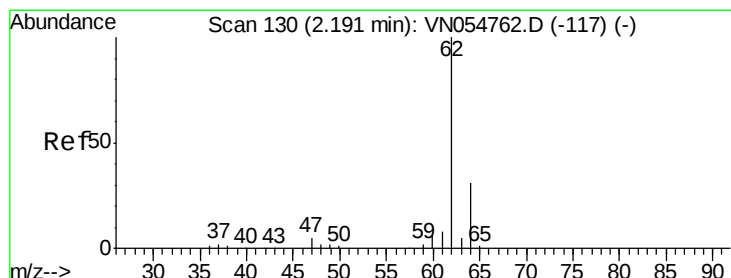
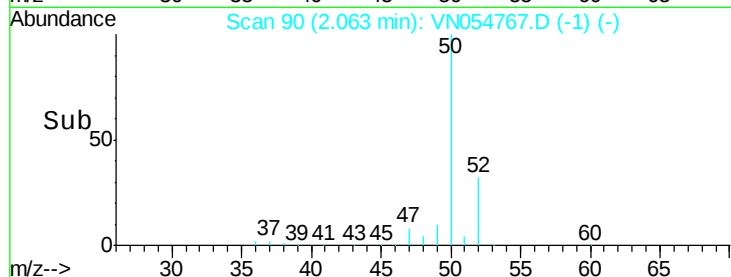
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.173 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054767.D

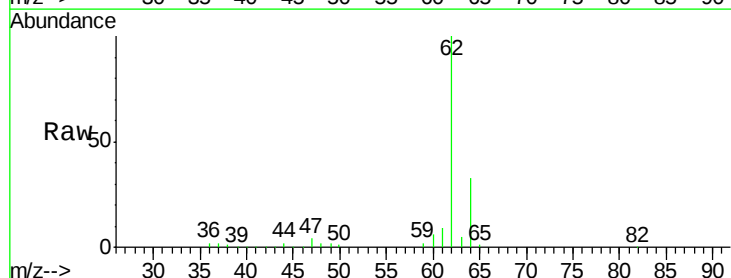
Acq: 29 Mar 2019 13:41

Tgt Ion: 62 Resp: 275657

Ion Ratio Lower Upper

62 100

64 32.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

200000

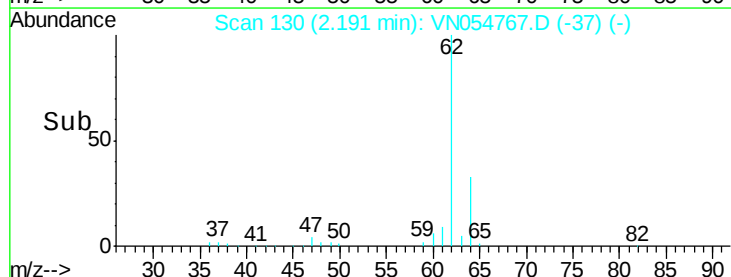
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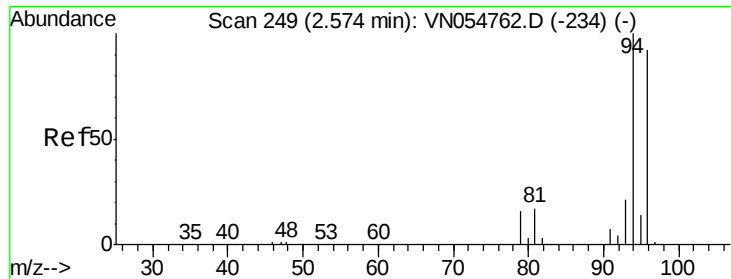
100000

50000

0

Time-->





#5

Bromomethane

Concen: 52.681 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

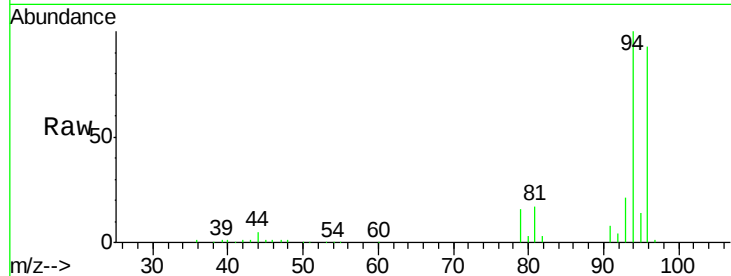
ICVFN032919

Tgt Ion: 94 Resp: 161030

Ion Ratio Lower Upper

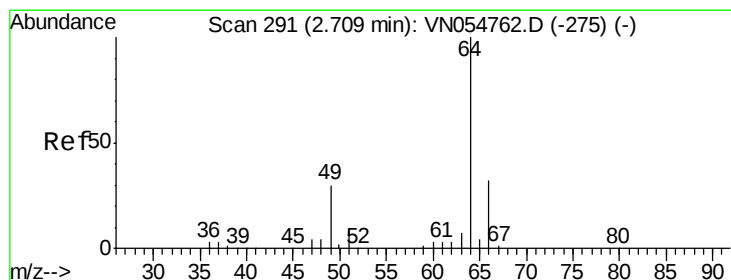
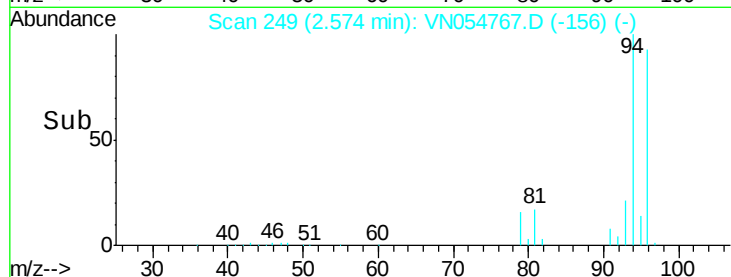
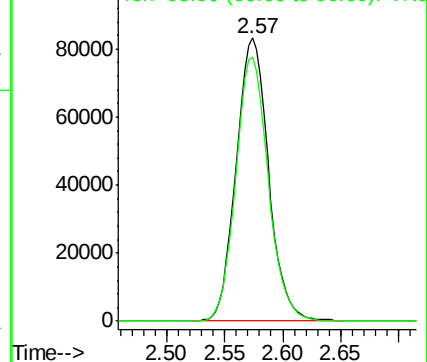
94 100

96 93.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.902 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054767.D

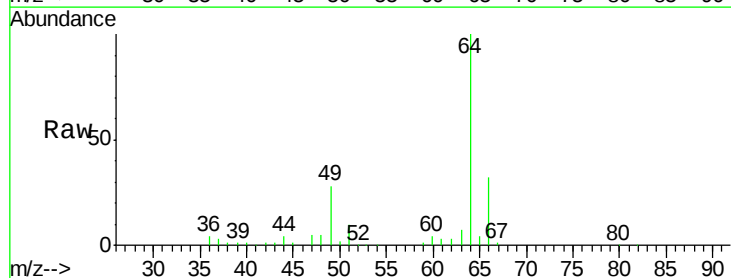
Acq: 29 Mar 2019 13:41

Tgt Ion: 64 Resp: 153041

Ion Ratio Lower Upper

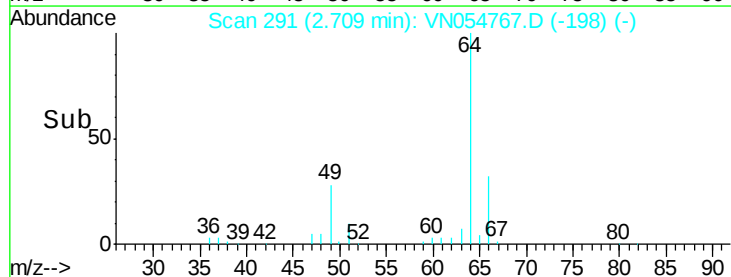
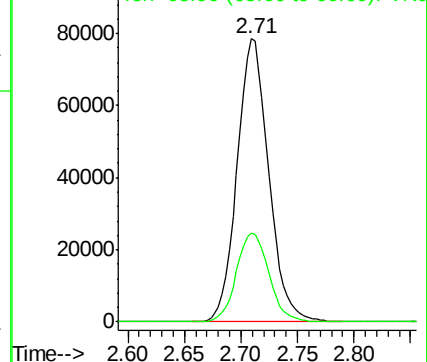
64 100

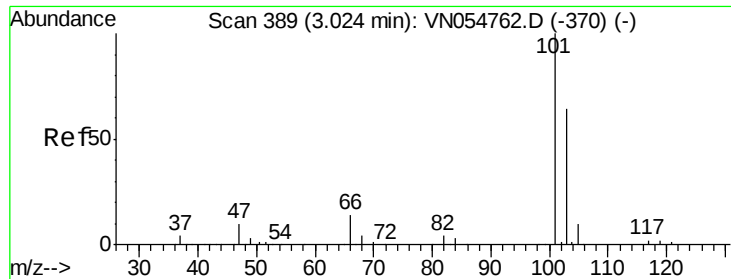
66 31.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



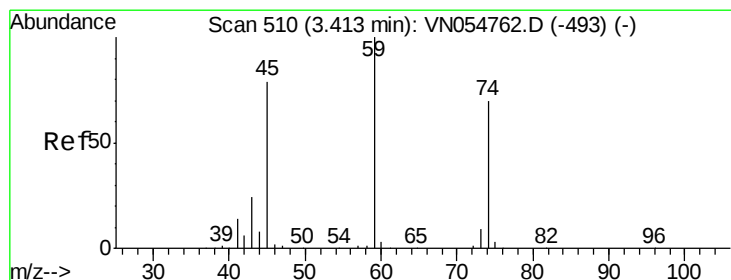
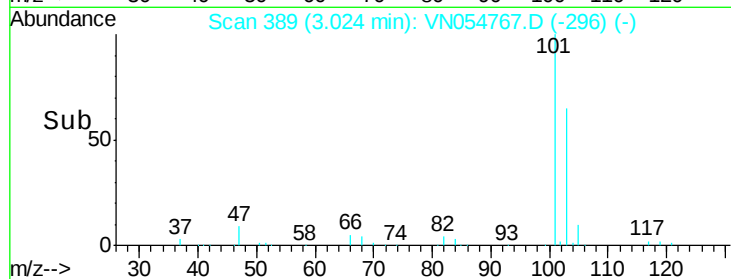
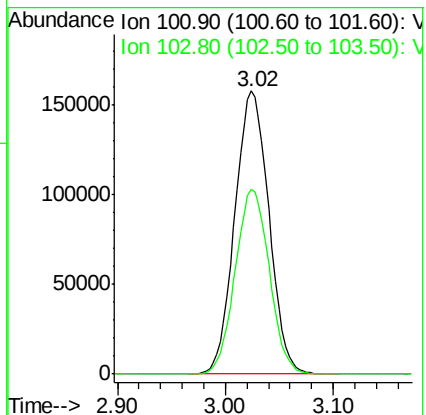
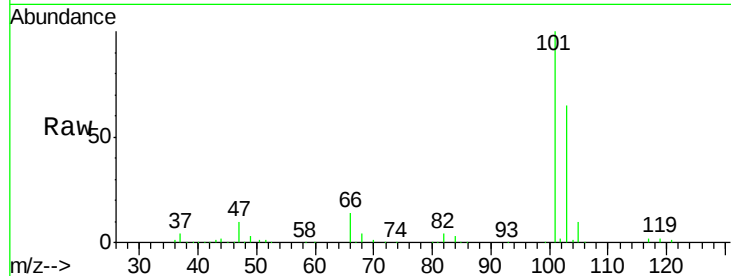


#7

Trichlorofluoromethane
 Concen: 48.229 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Instrument :
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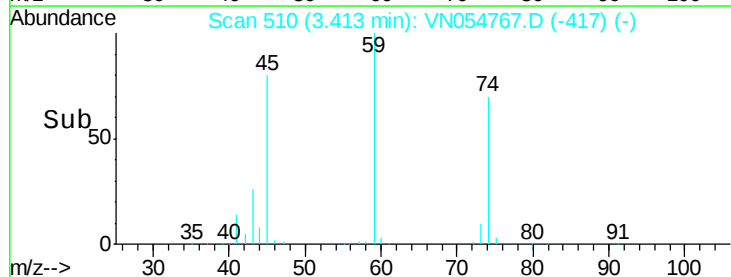
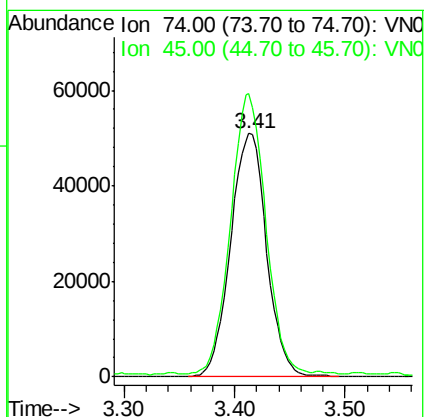
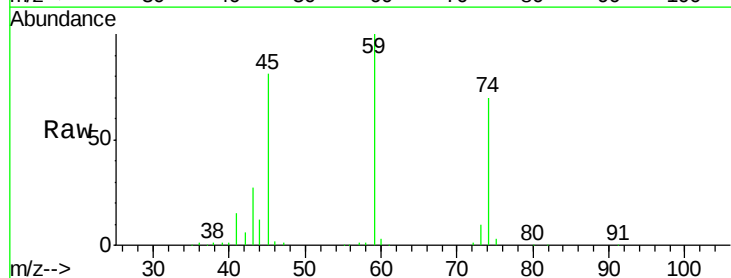
Tgt Ion:101 Resp: 346491
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

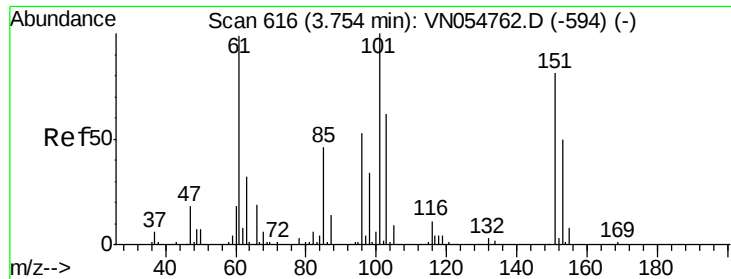


#8

Diethyl Ether
 Concen: 49.842 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion: 74 Resp: 115301
 Ion Ratio Lower Upper
 74 100
 45 112.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.773 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

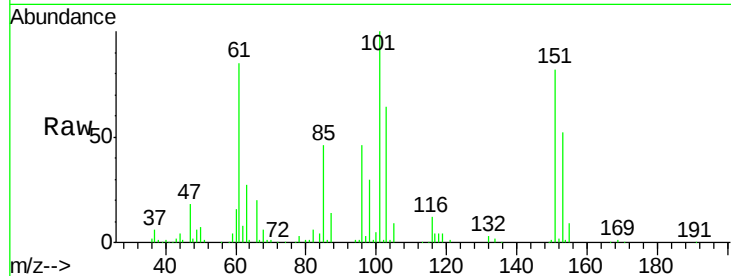
Tgt Ion:101 Resp: 188240

Ion Ratio Lower Upper

101 100

85 46.2 32.4 48.6

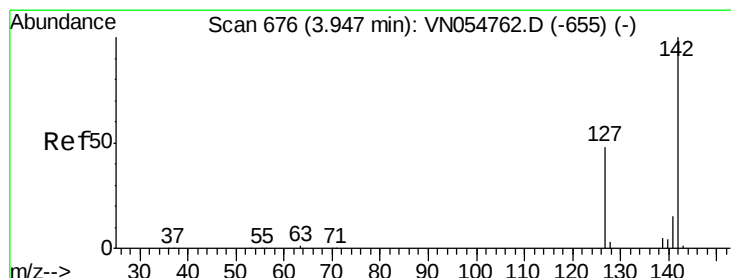
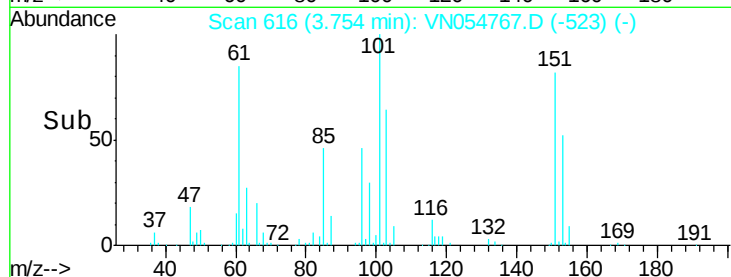
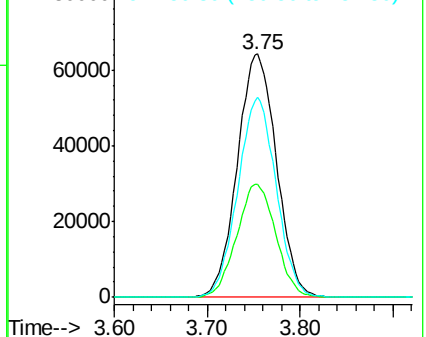
151 80.4 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.481 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

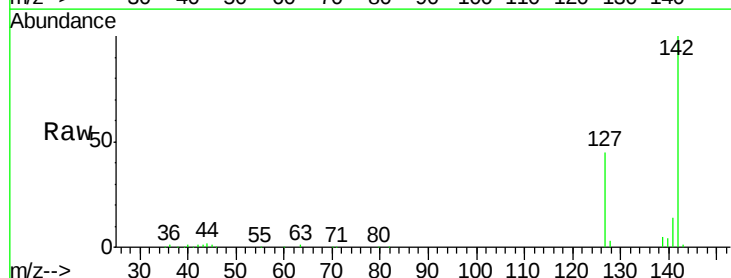
Tgt Ion:142 Resp: 261359

Ion Ratio Lower Upper

142 100

127 46.5 30.3 45.5#

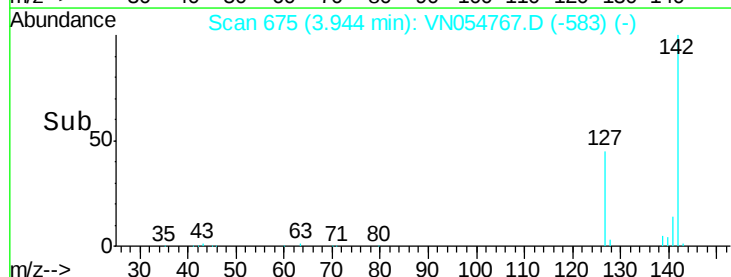
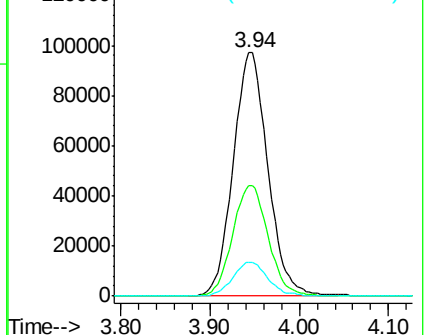
141 14.3 11.2 16.8

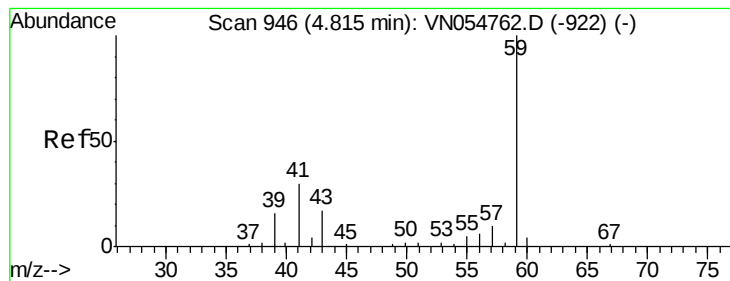


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



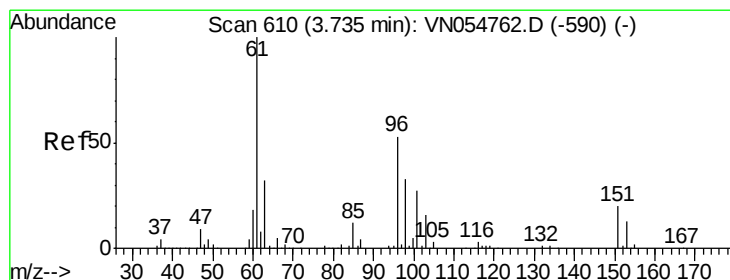
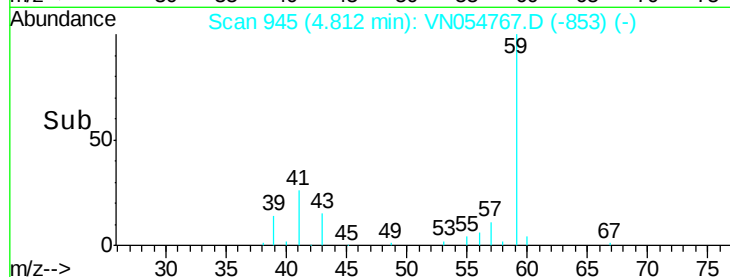
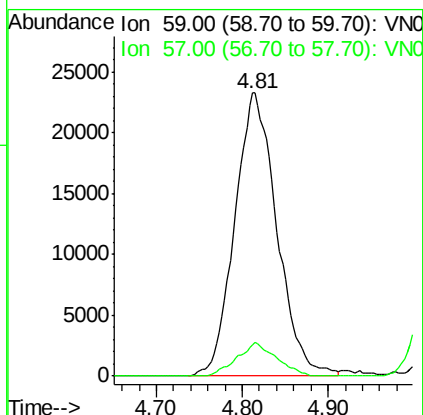
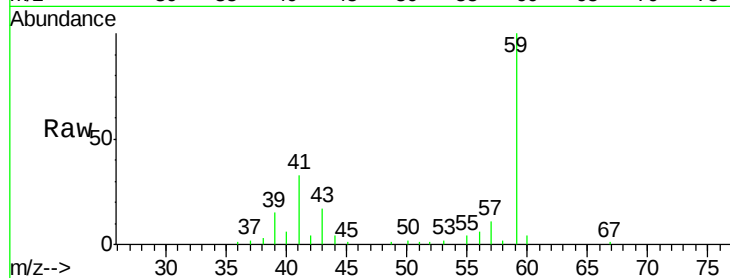


#11

Tert butyl alcohol
Concen: 242.954 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

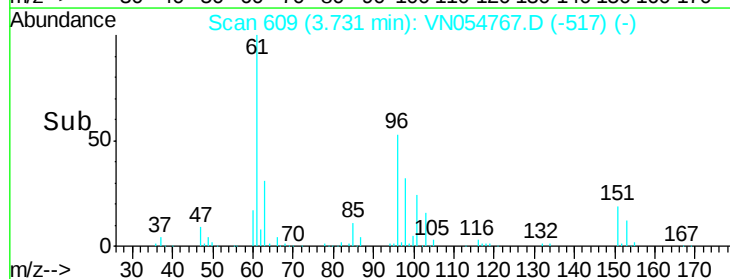
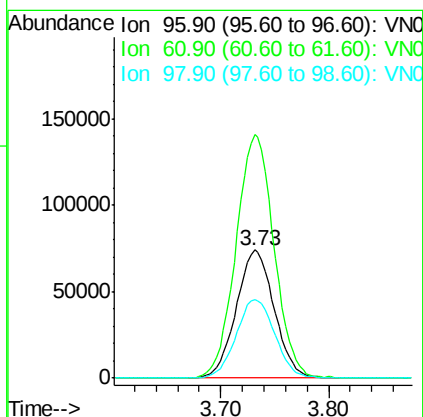
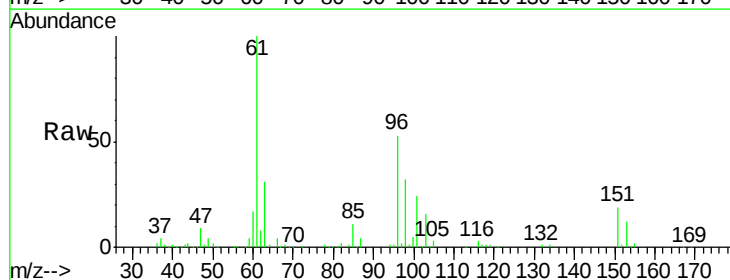
Tgt Ion: 59 Resp: 79392
Ion Ratio Lower Upper
59 100
57 11.1 9.0 13.6

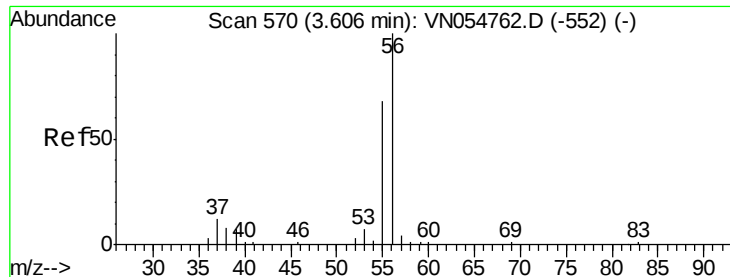


#12

1,1-Dichloroethene
Concen: 49.554 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 96 Resp: 181234
Ion Ratio Lower Upper
96 100
61 190.1 116.5 174.7#
98 61.1 51.0 76.4





#13

Acrolein

Concen: 256.896 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

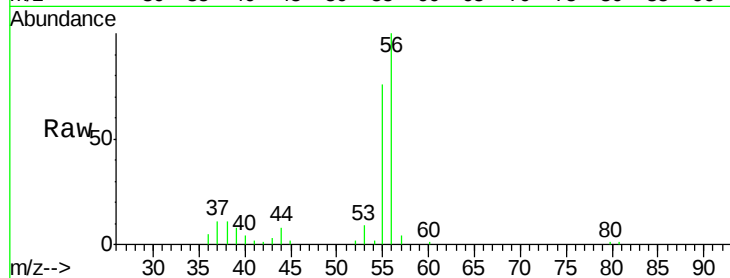
ICVVN032919

Tgt Ion: 56 Resp: 75048

Ion Ratio Lower Upper

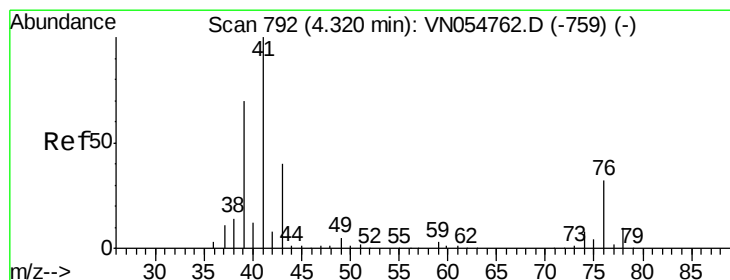
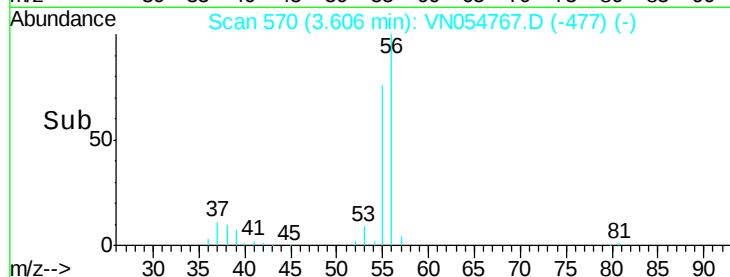
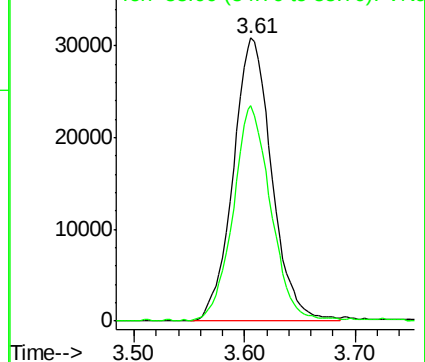
56 100

55 73.7 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: 48.694 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

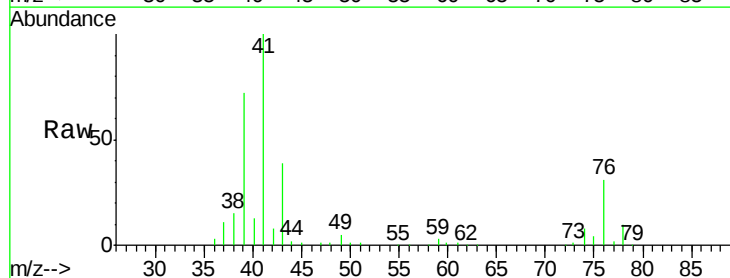
Tgt Ion: 41 Resp: 438656

Ion Ratio Lower Upper

41 100

39 68.6 58.2 87.4

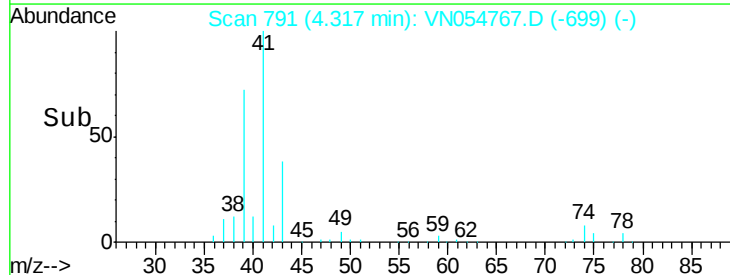
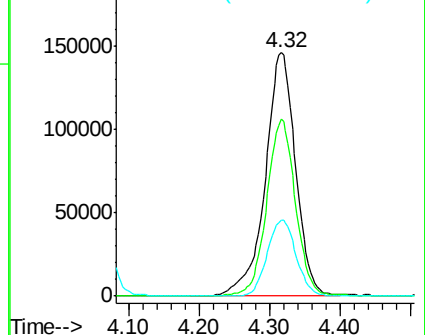
76 29.7 31.7 47.5#

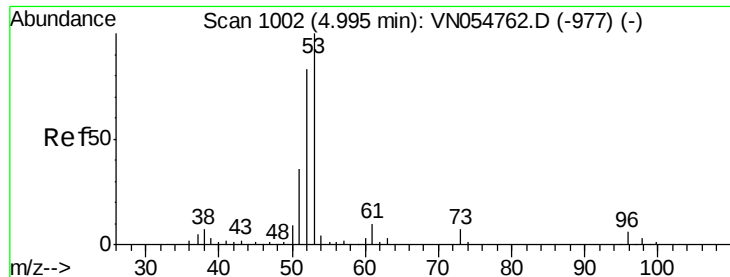


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.576 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

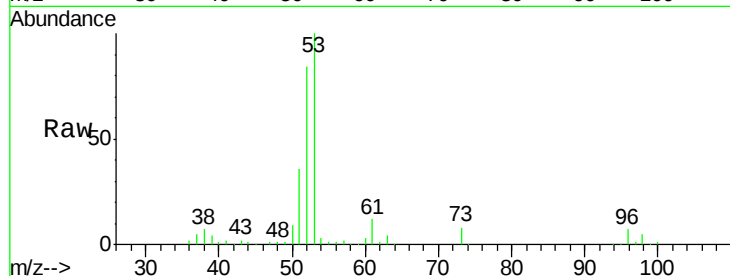
Tgt Ion: 53 Resp: 456946

Ion Ratio Lower Upper

53 100

52 83.2 66.4 99.6

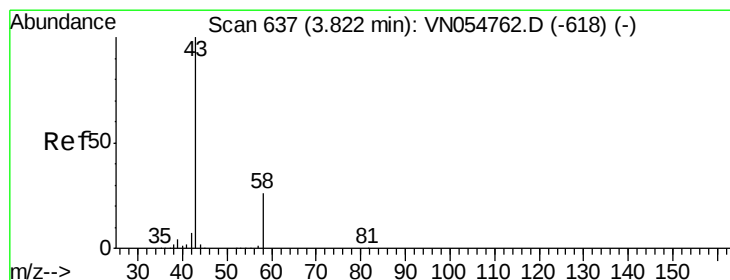
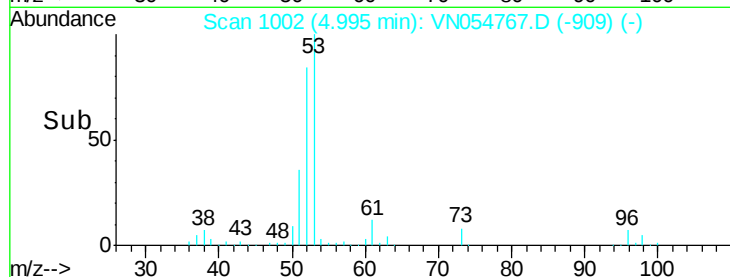
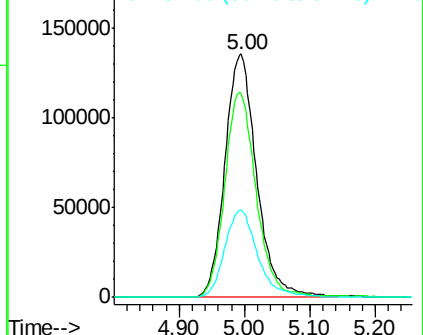
51 37.3 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 268.982 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054767.D

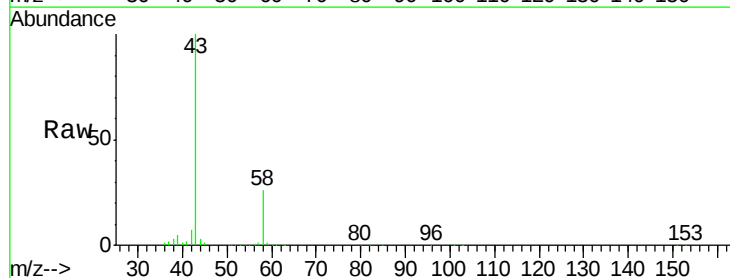
Acq: 29 Mar 2019 13:41

Tgt Ion: 43 Resp: 402298

Ion Ratio Lower Upper

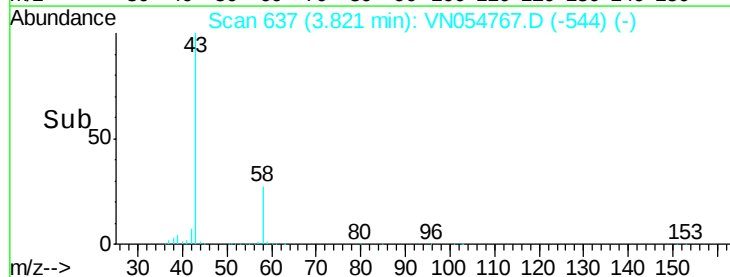
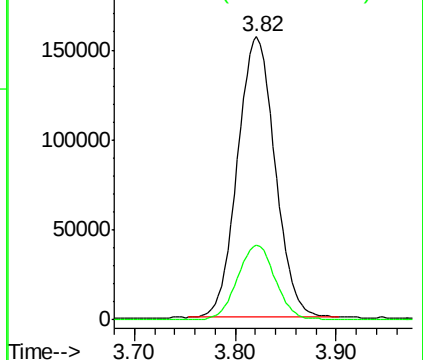
43 100

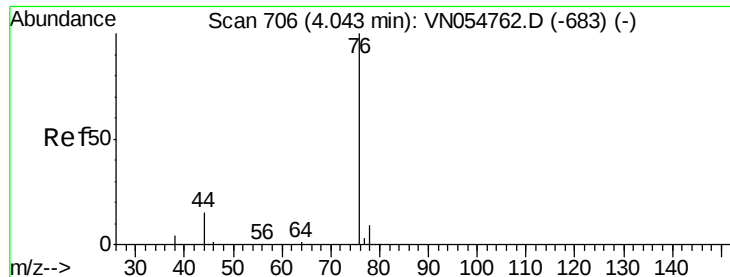
58 26.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

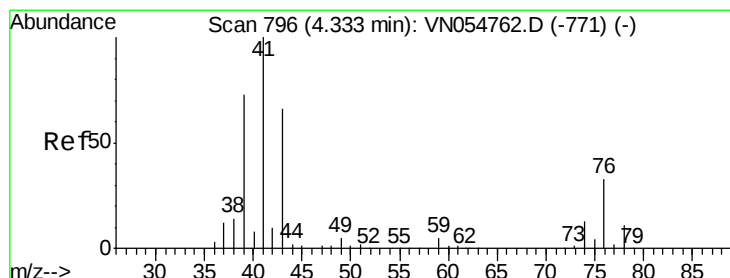
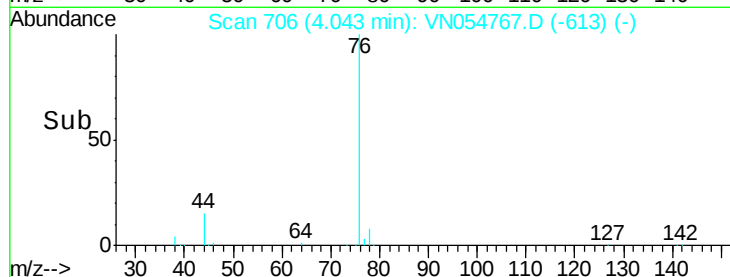
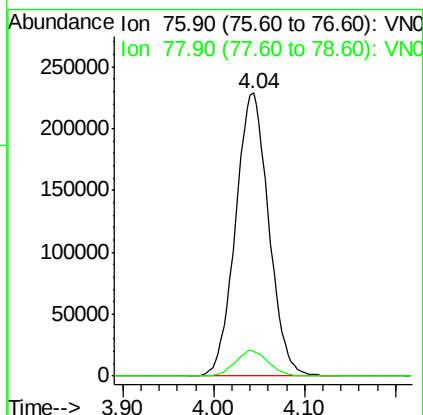
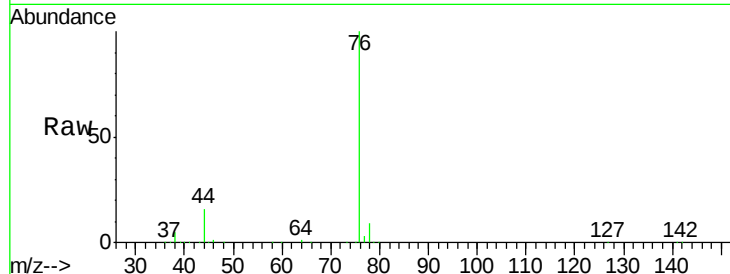




#17
Carbon Disulfide
Concen: 48.870 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

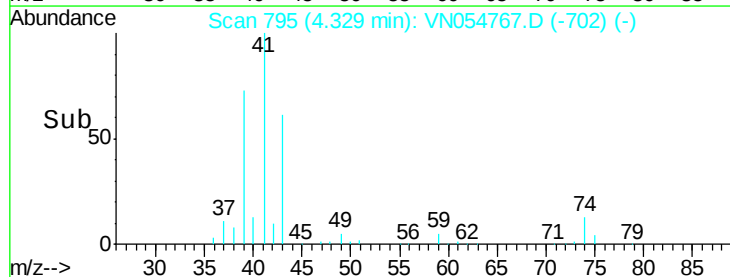
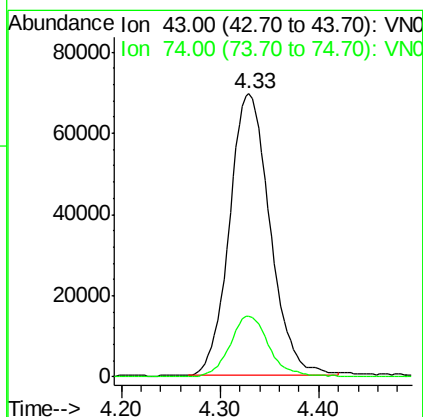
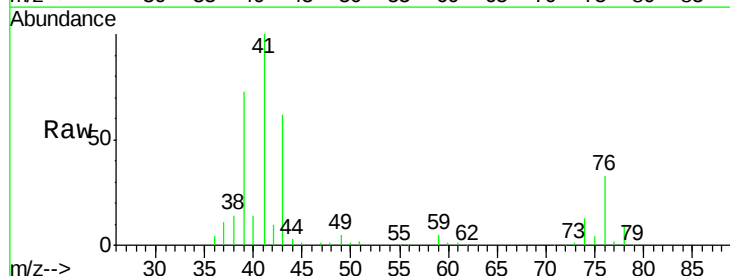
Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

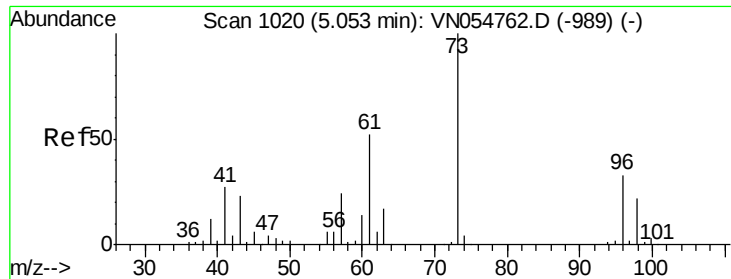
Tgt Ion: 76 Resp: 579700
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 51.130 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 43 Resp: 199103
Ion Ratio Lower Upper
43 100
74 20.8 20.8 31.2#

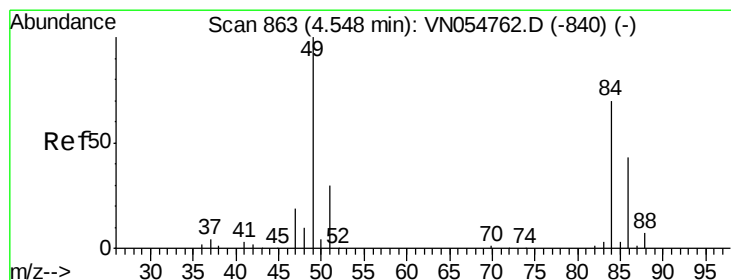
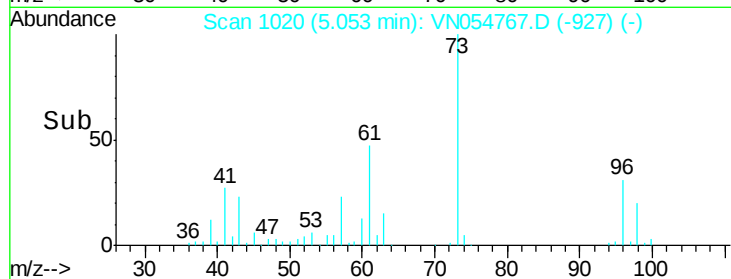
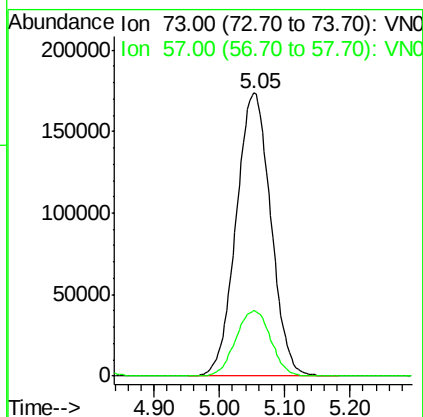
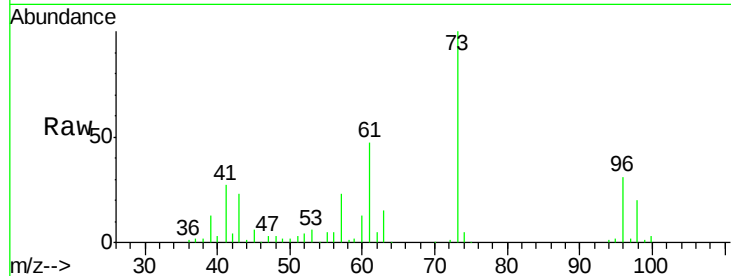




#19
Methyl tert-butyl Ether
Concen: 50.031 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

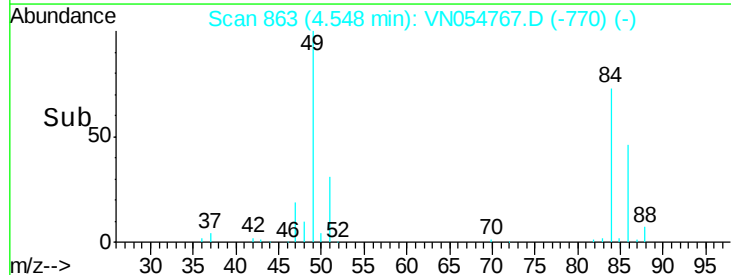
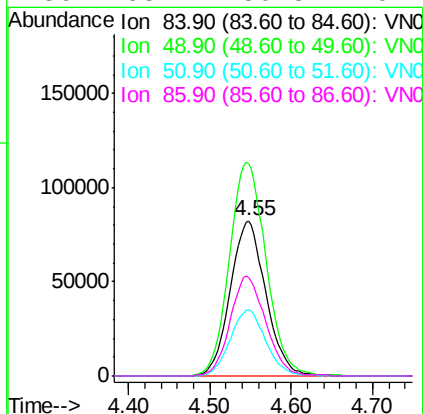
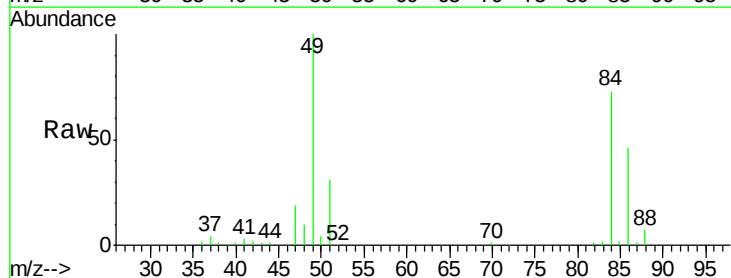
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

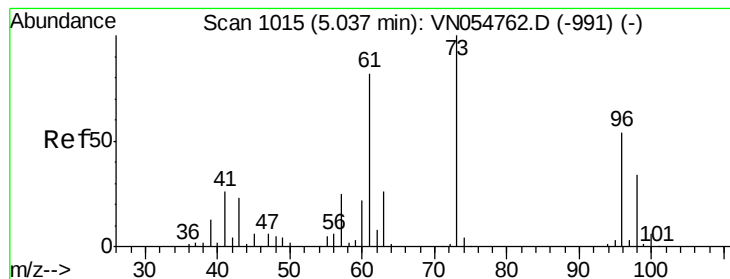
Tgt Ion: 73 Resp: 640045
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2



#20
Methylene Chloride
Concen: 47.519 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 84 Resp: 250697
Ion Ratio Lower Upper
84 100
49 136.7 89.7 134.5#
51 42.8 28.2 42.4#
86 63.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.711 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

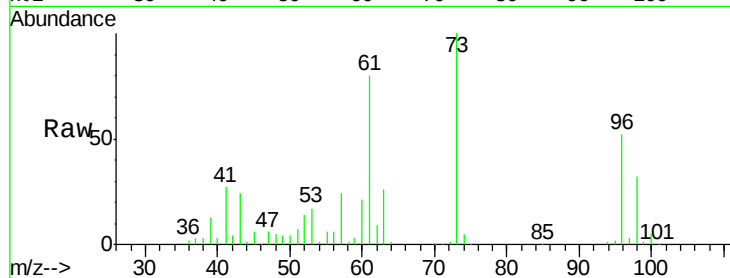
Tgt Ion: 96 Resp: 233995

Ion Ratio Lower Upper

96 100

61 153.9 102.8 154.2

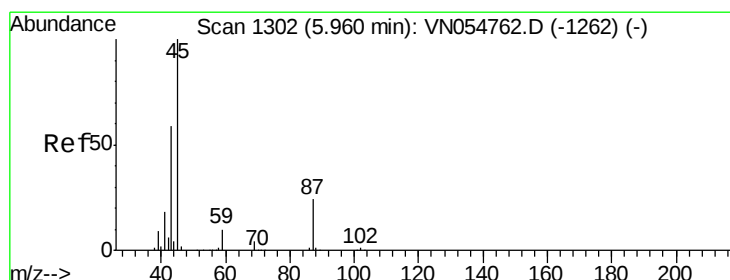
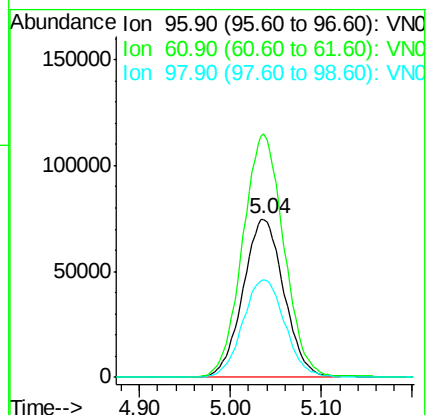
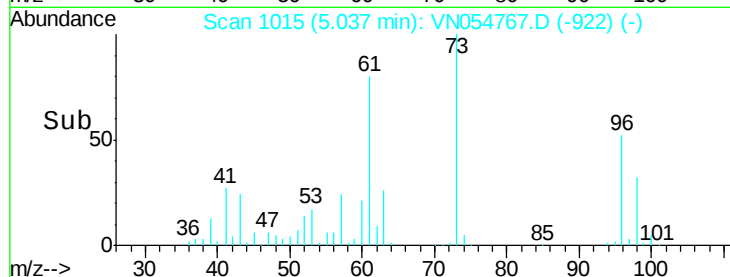
98 61.8 50.0 75.0



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: 50.131 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Tgt Ion: 45 Resp: 893185

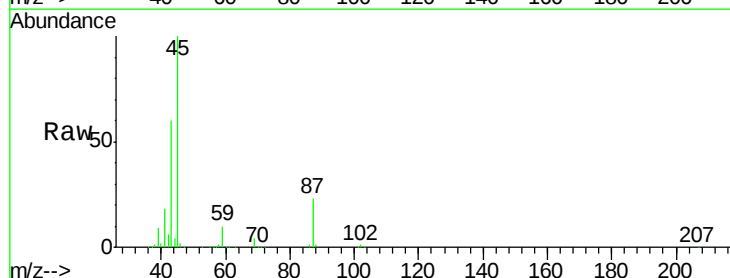
Ion Ratio Lower Upper

45 100

43 59.2 48.2 72.2

87 23.1 24.9 37.3#

59 10.3 9.5 14.3

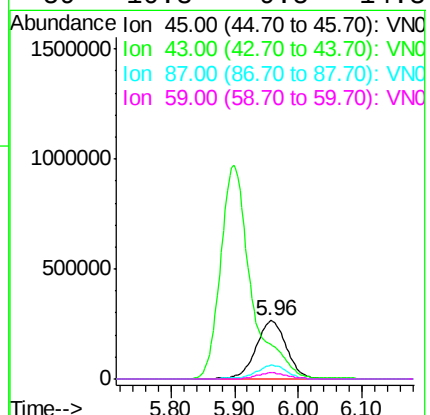
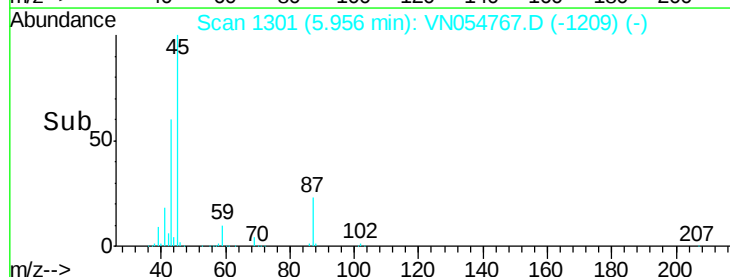


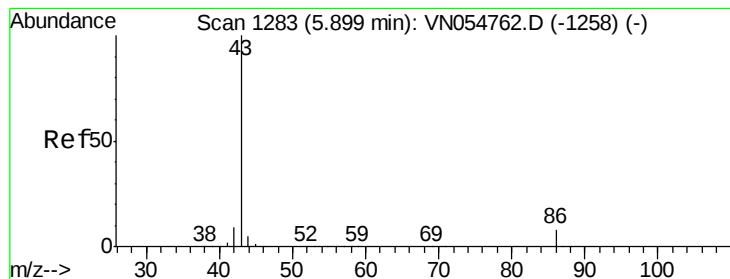
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 262.585 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

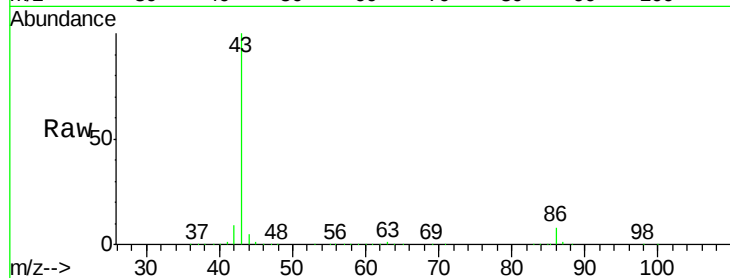
ICVVN032919

Tgt Ion: 43 Resp: 3255768

Ion Ratio Lower Upper

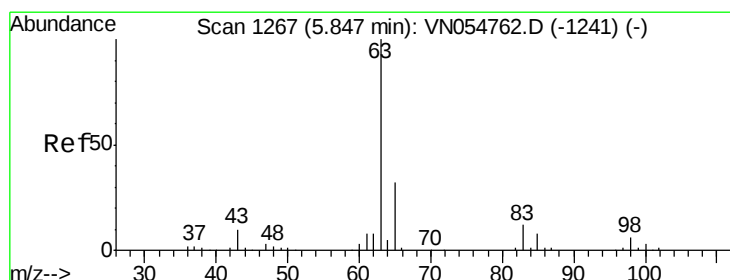
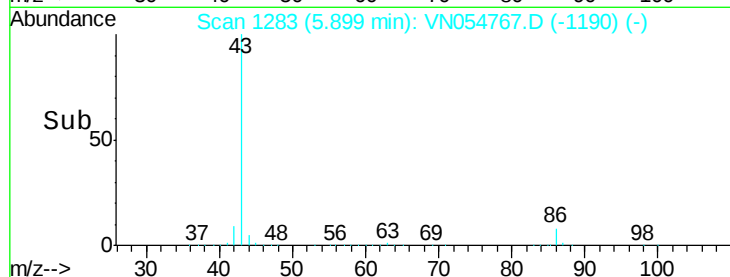
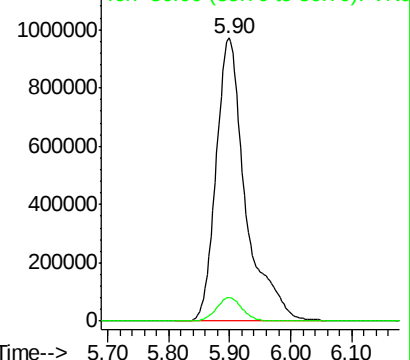
43 100

86 8.3 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: 49.014 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

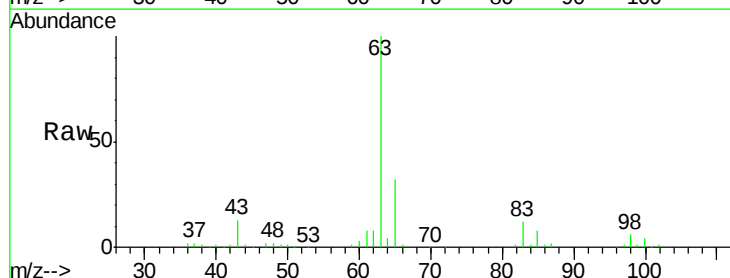
Tgt Ion: 63 Resp: 465845

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.5

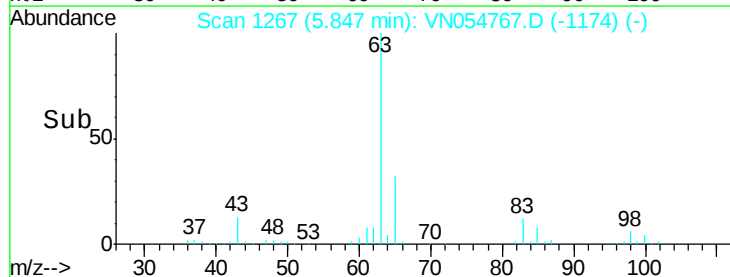
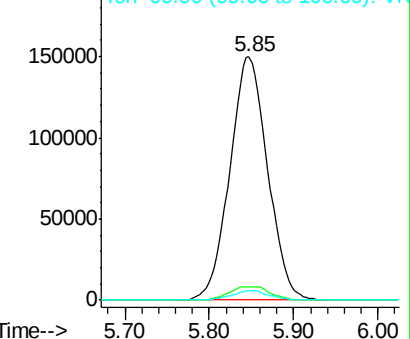
100 3.8 2.0 6.0

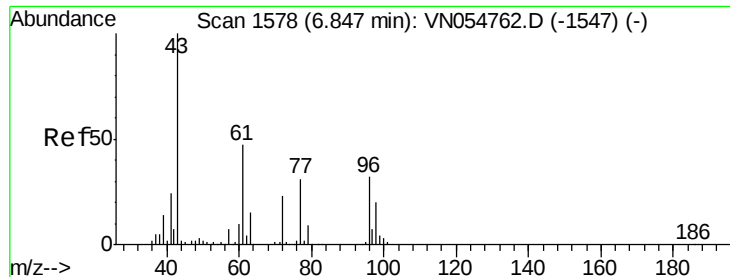


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 274.879 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

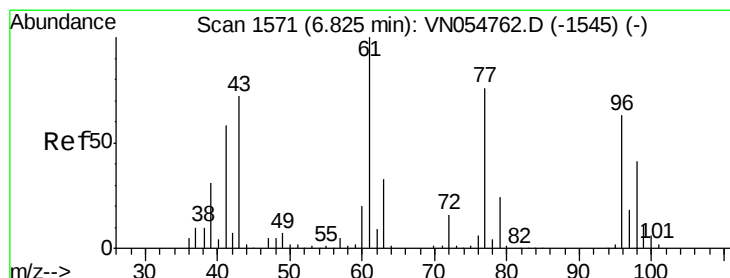
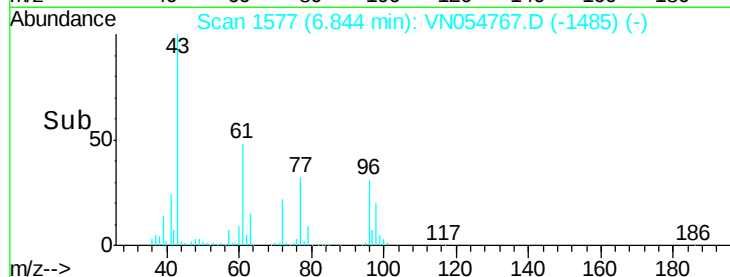
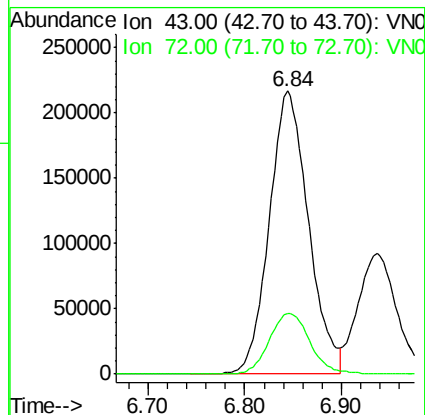
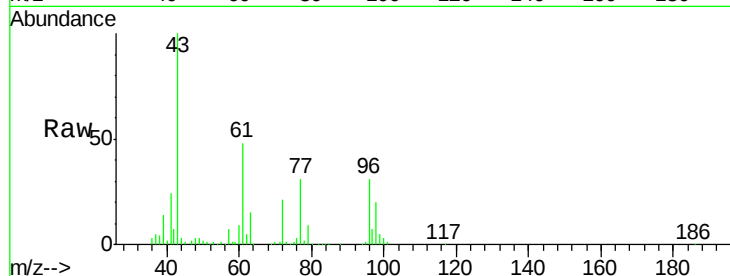
ICVVN032919

Tgt Ion: 43 Resp: 607711

Ion Ratio Lower Upper

43 100

72 21.5 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 51.475 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054767.D

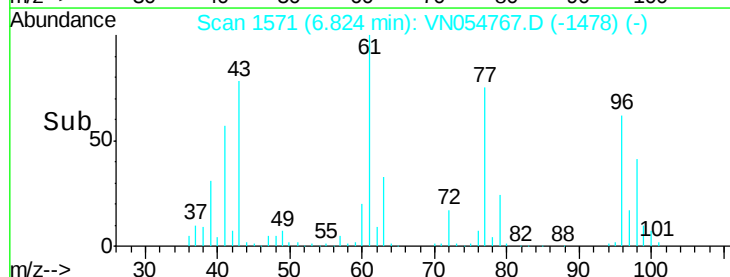
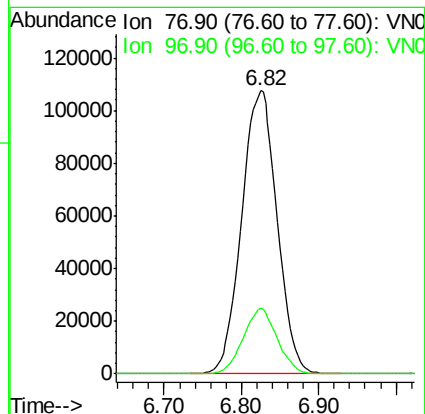
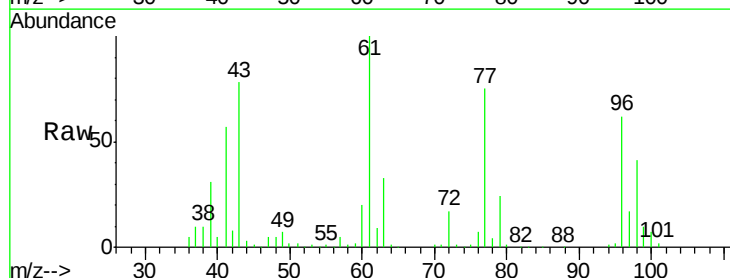
Acq: 29 Mar 2019 13:41

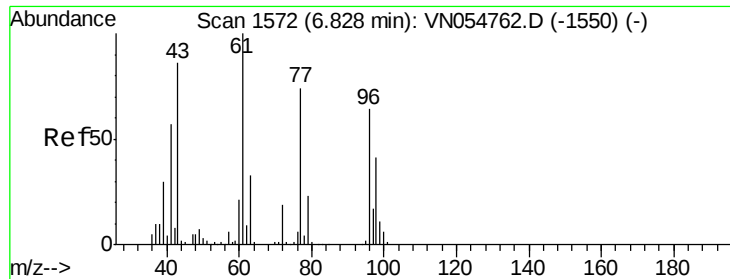
Tgt Ion: 77 Resp: 342894

Ion Ratio Lower Upper

77 100

97 22.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.552 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

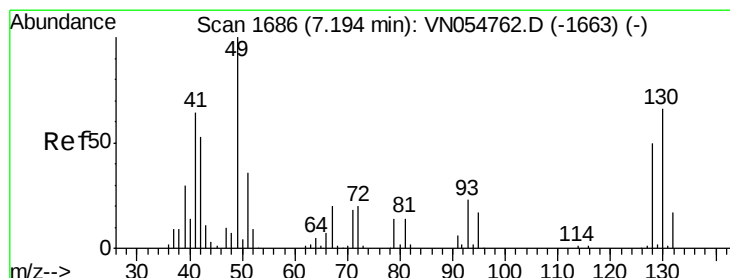
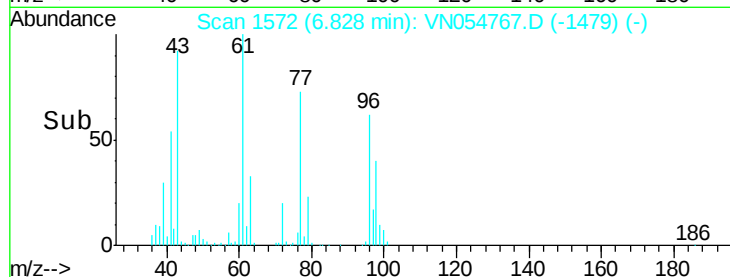
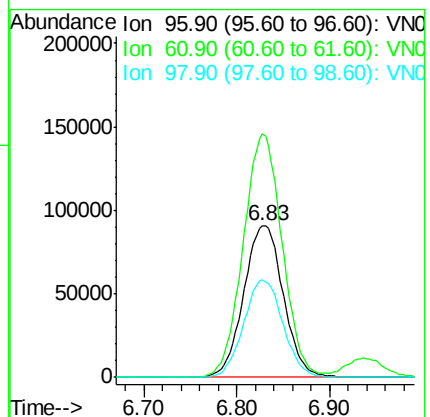
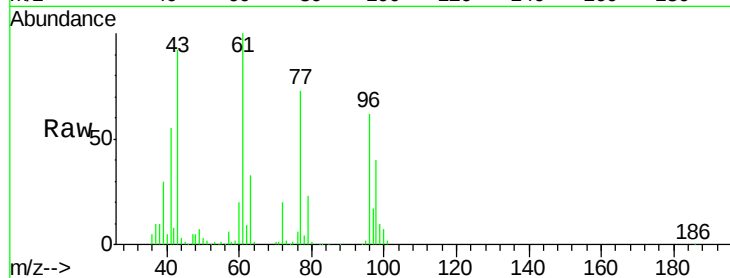
Tgt Ion: 96 Resp: 268902

Ion Ratio Lower Upper

96 100

61 158.0 0.0 273.0

98 63.9 0.0 130.6



#28

Bromochloromethane

Concen: 50.050 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

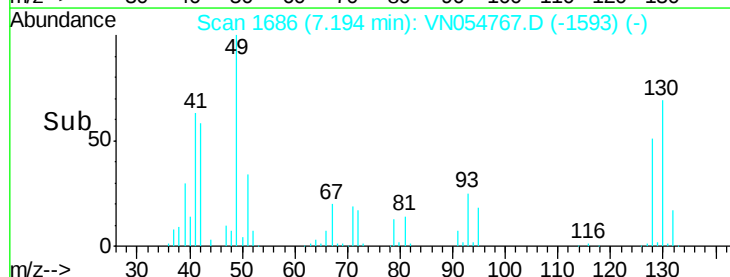
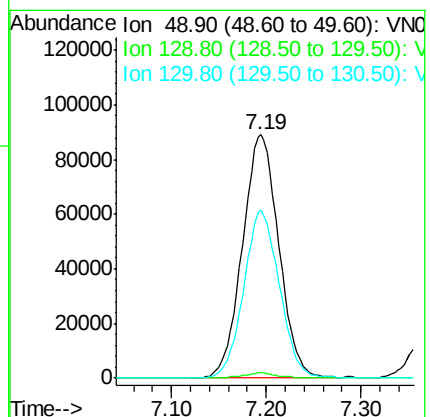
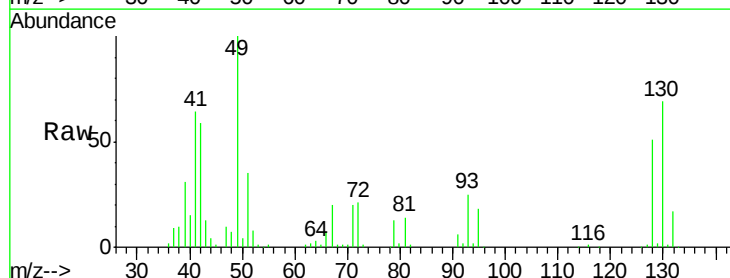
Tgt Ion: 49 Resp: 237860

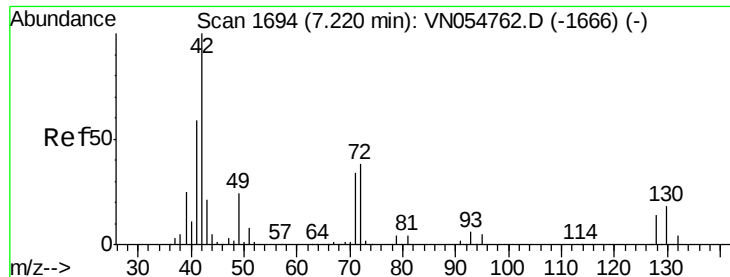
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

130 67.6 76.7 115.1#





#29

Tetrahydrofuran

Concen: 249.978 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

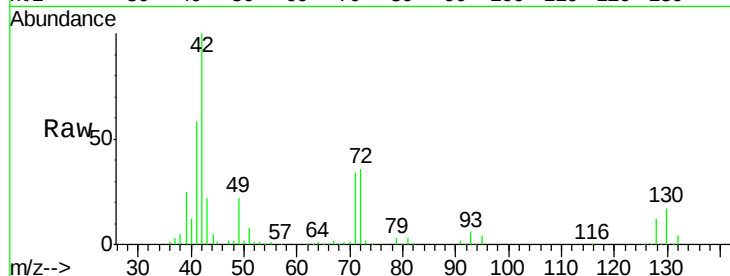
Tgt Ion: 42 Resp: 383848

Ion Ratio Lower Upper

42 100

72 35.9 37.8 56.6#

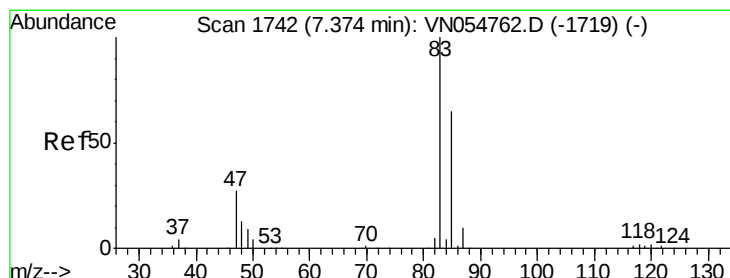
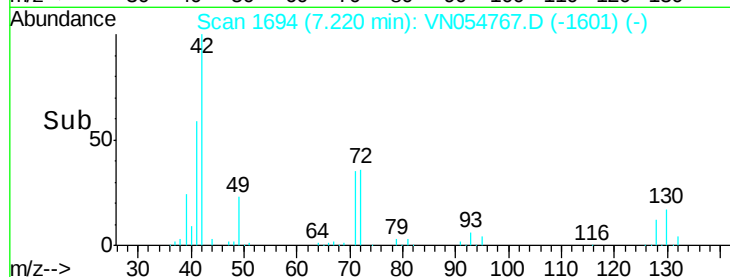
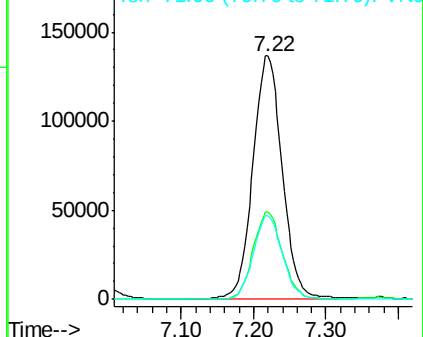
71 34.0 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.022 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054767.D

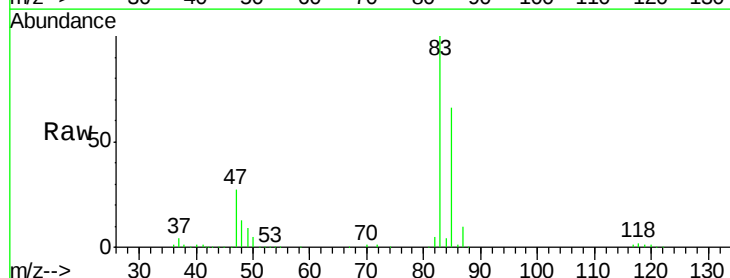
Acq: 29 Mar 2019 13:41

Tgt Ion: 83 Resp: 444268

Ion Ratio Lower Upper

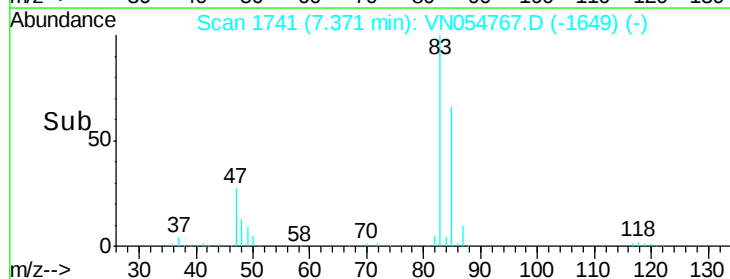
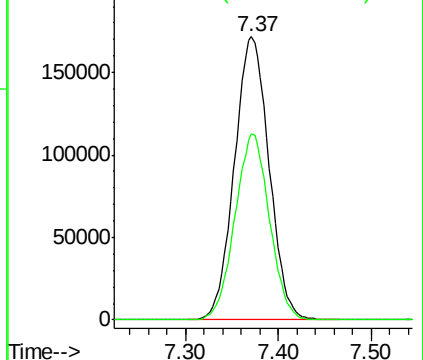
83 100

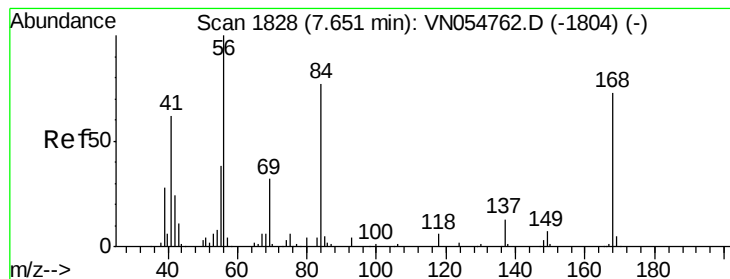
85 66.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 52.550 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

ICVVN032919

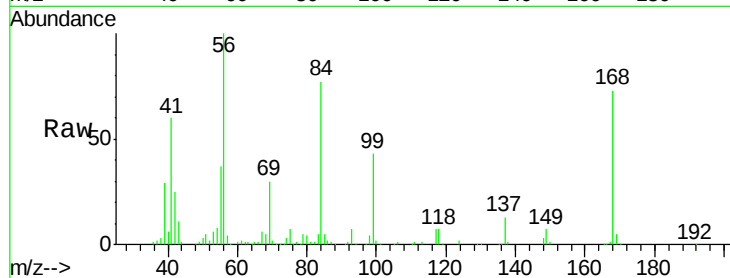
Tgt Ion: 56 Resp: 454180

Ion Ratio Lower Upper

56 100

69 29.7 27.8 41.6

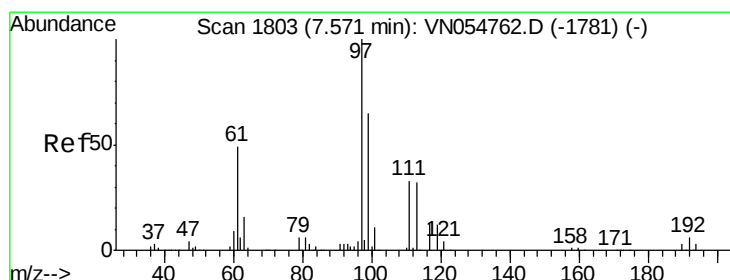
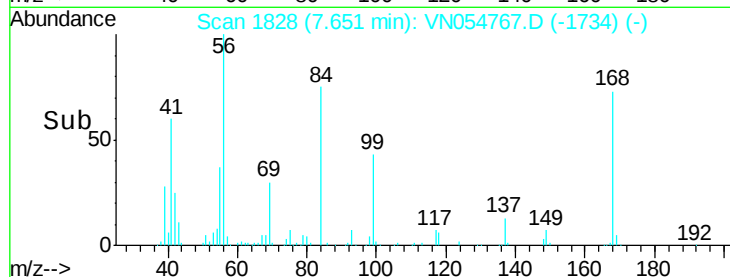
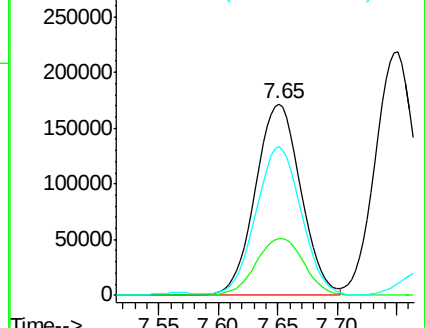
84 76.3 74.6 111.8



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: 49.982 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

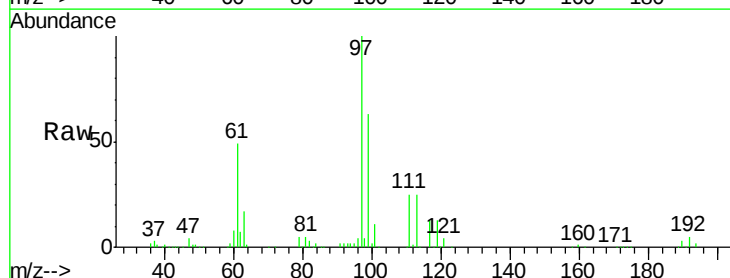
Tgt Ion: 97 Resp: 375389

Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

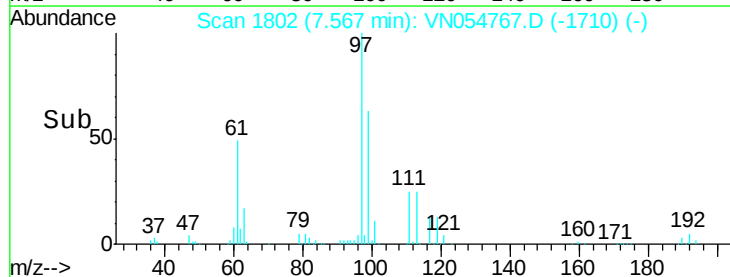
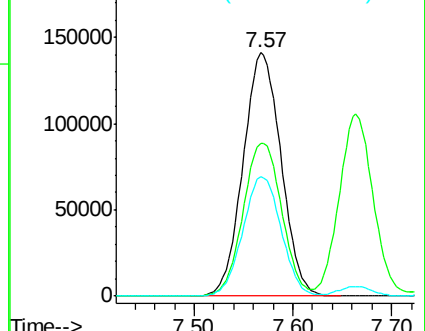
61 49.7 33.6 50.4

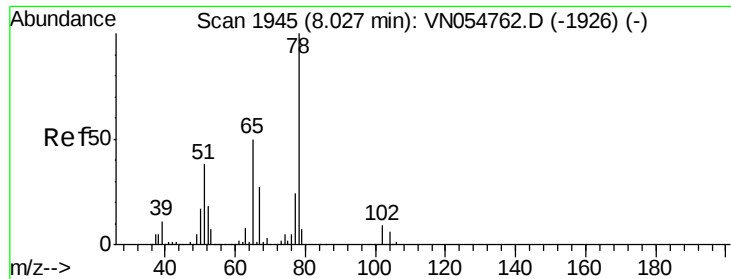


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

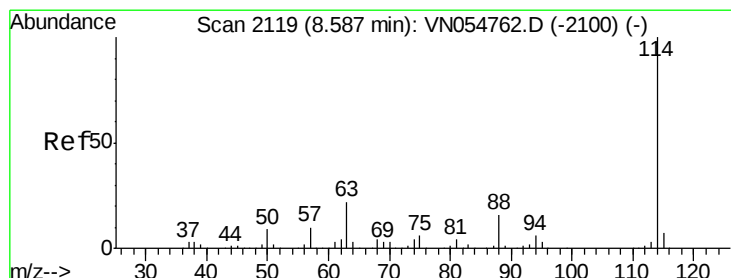
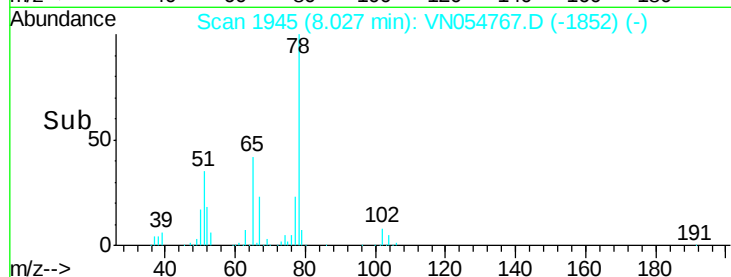
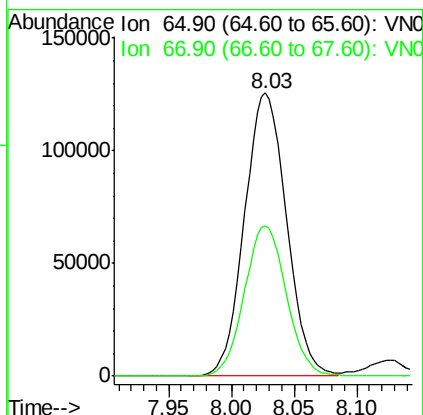
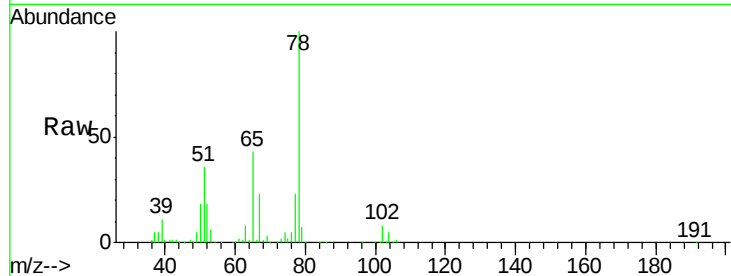




#33
 1,2-Dichloroethane-d4
 Concen: 46.762 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

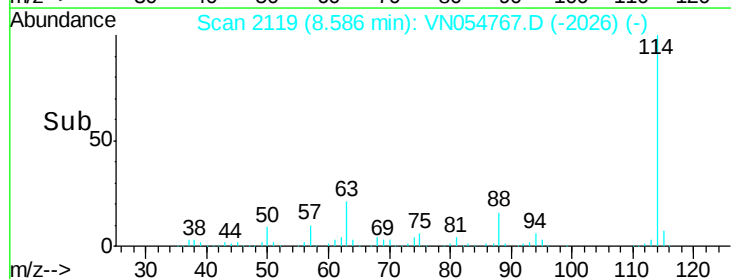
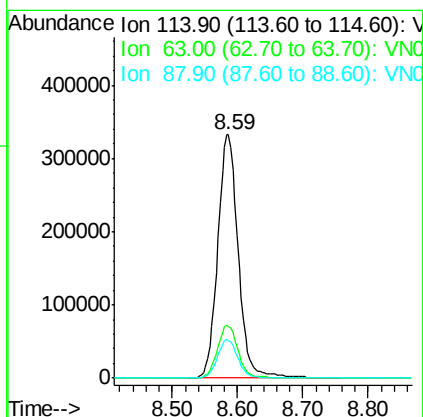
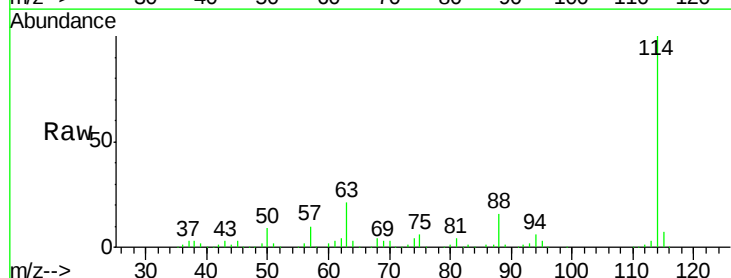
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

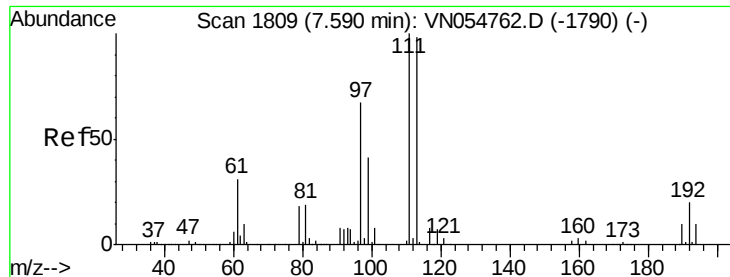
Tgt Ion: 65 Resp: 293286
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion: 114 Resp: 725981
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 35.2
 88 15.7 0.0 30.2

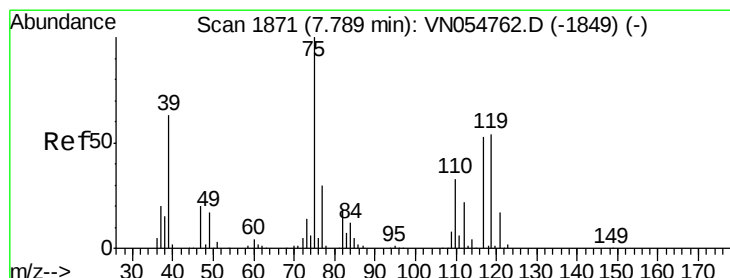
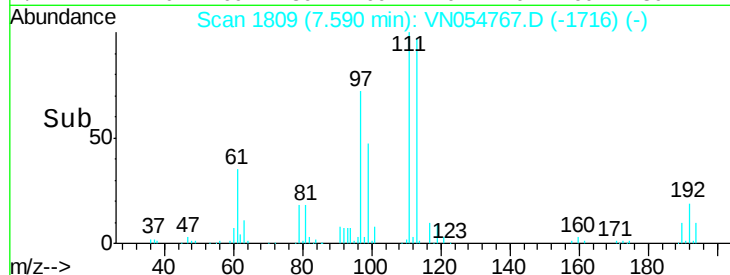
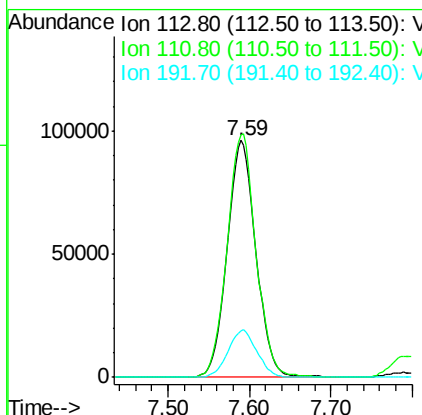
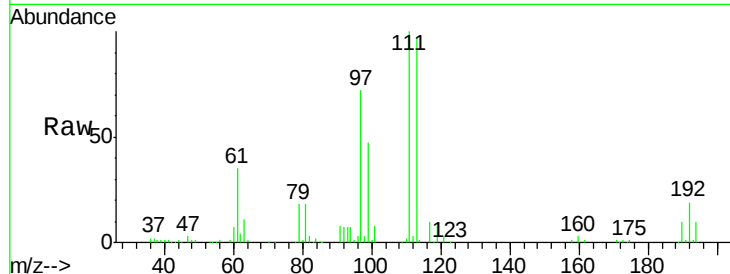




#35
 Dibromofluoromethane
 Concen: 49.096 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

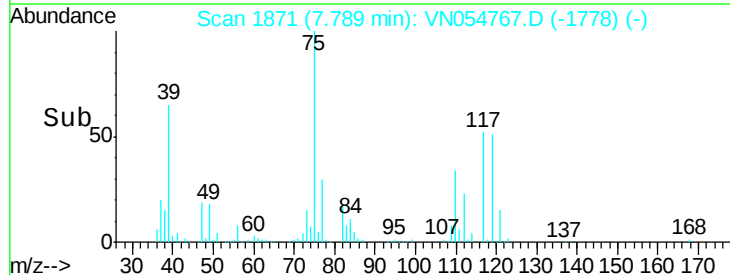
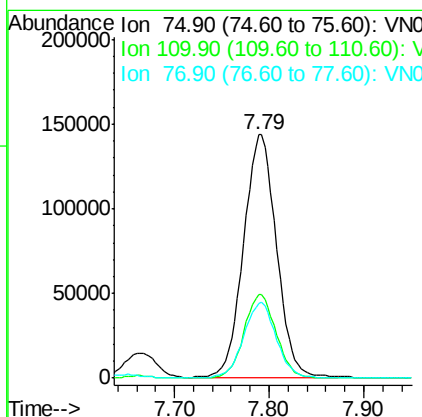
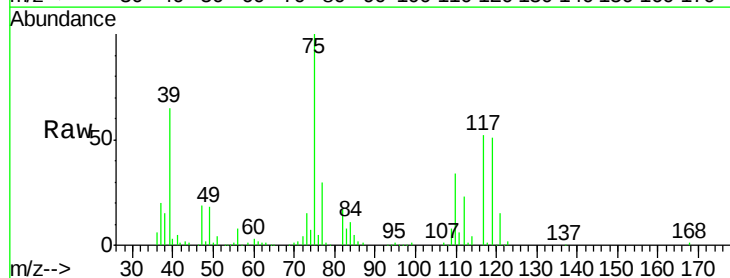
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032919

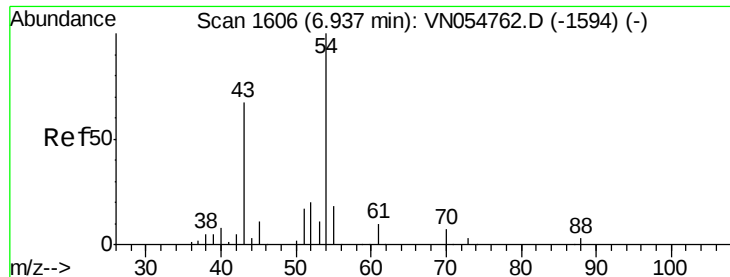
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	20.2	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 51.142 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	19.1	57.5
77	31.3	25.0	37.4

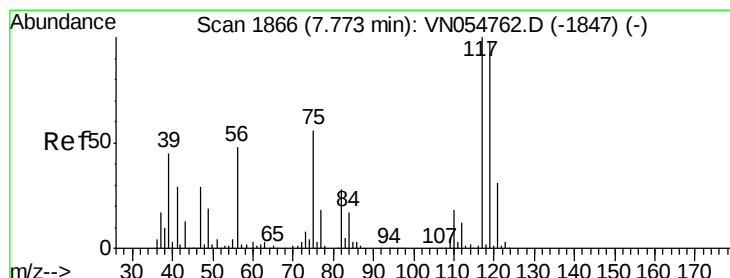
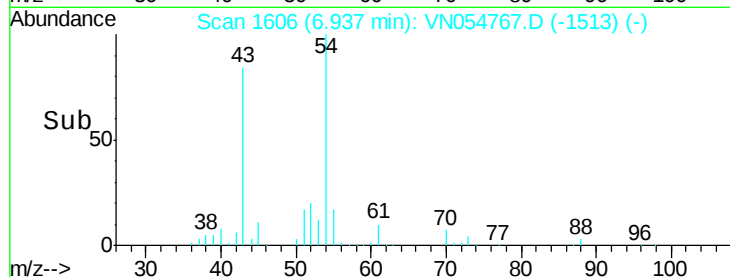
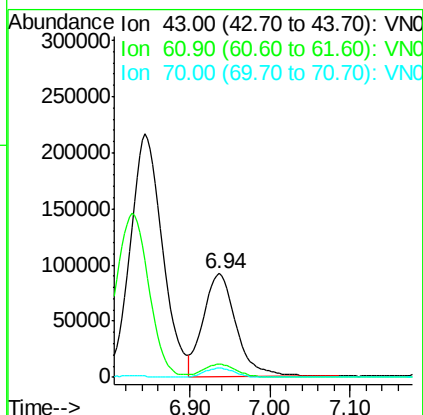
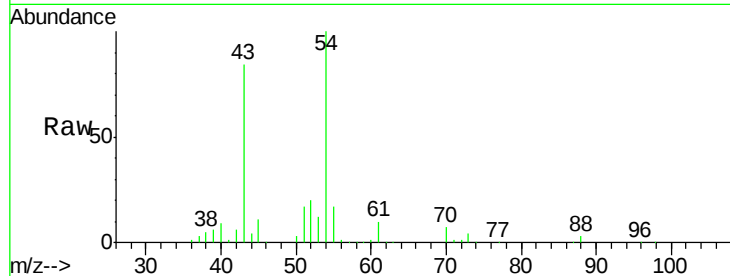




#37
 Ethyl Acetate
 Concen: 53.354 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

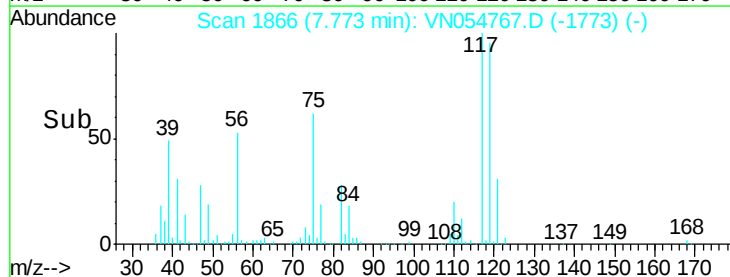
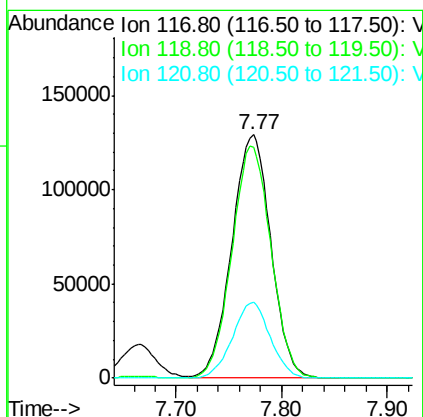
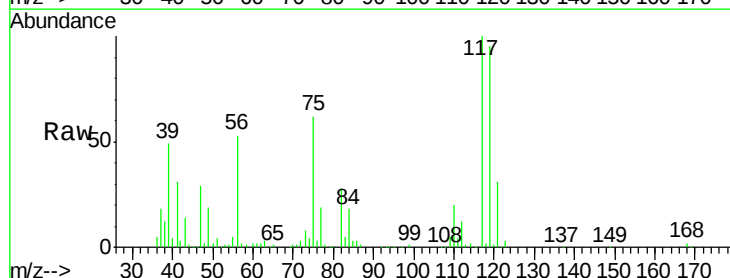
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

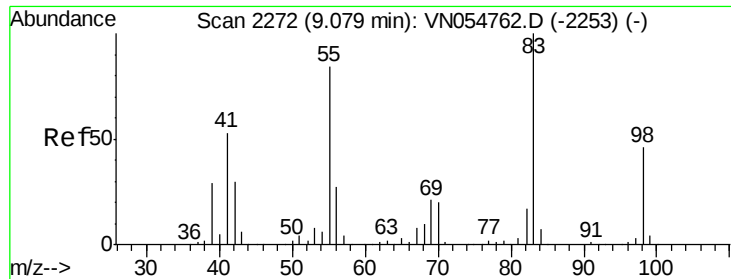
Tgt Ion: 43 Resp: 264678
 Ion Ratio Lower Upper
 43 100
 61 12.4 11.8 17.6
 70 8.5 8.4 12.6



#38
 Carbon Tetrachloride
 Concen: 50.488 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion: 117 Resp: 331724
 Ion Ratio Lower Upper
 117 100
 119 94.7 76.3 114.5
 121 31.0 24.6 36.8

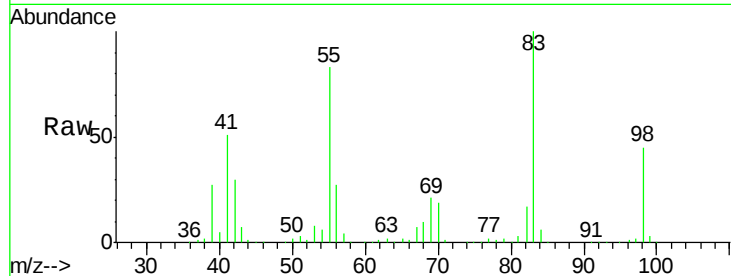




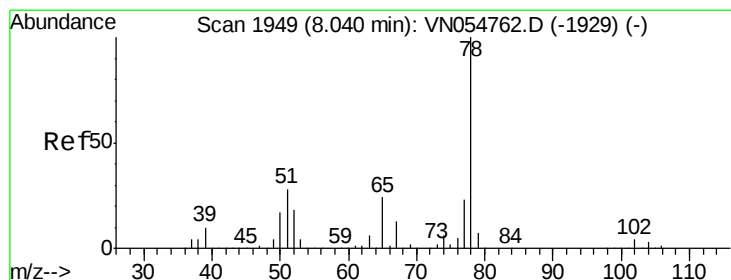
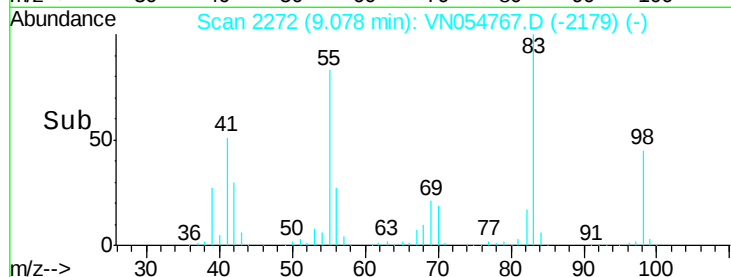
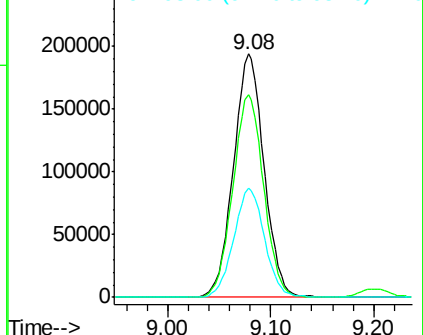
#39
Methylcyclohexane
Concen: 53.856 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tgt Ion: 83 Resp: 400529
Ion Ratio Lower Upper
83 100
55 83.5 56.6 84.8
98 44.8 38.4 57.6

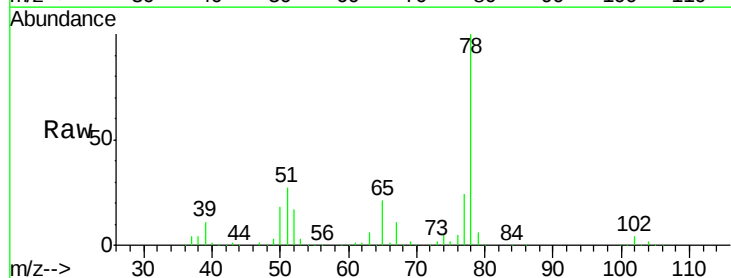


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

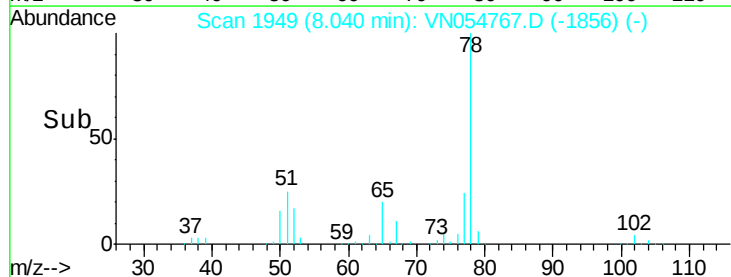
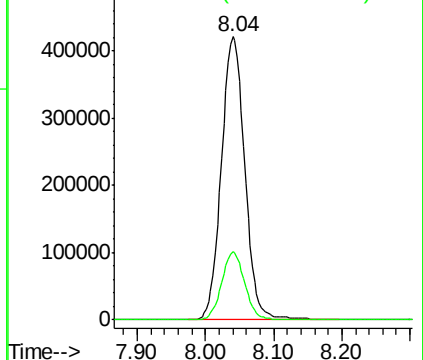


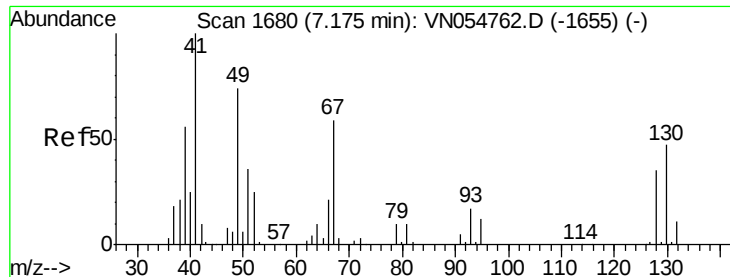
#40
Benzene
Concen: 52.081 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 78 Resp: 1008106
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7



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

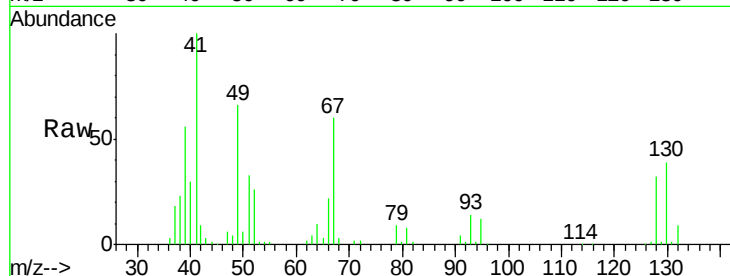




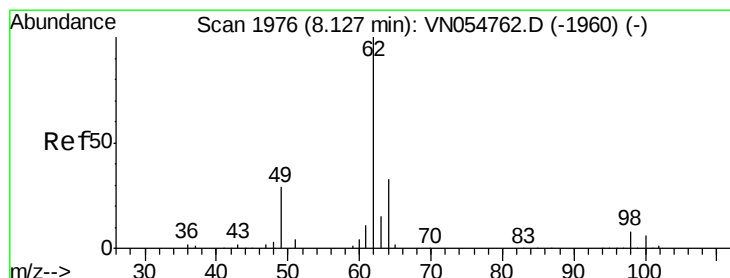
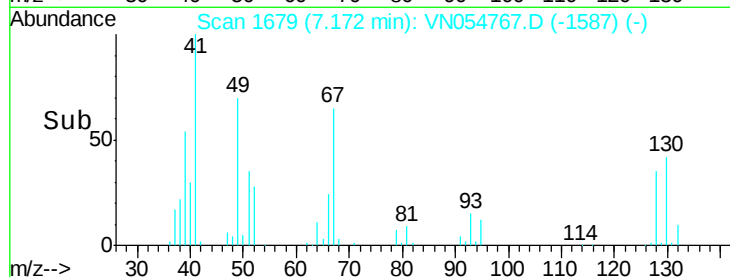
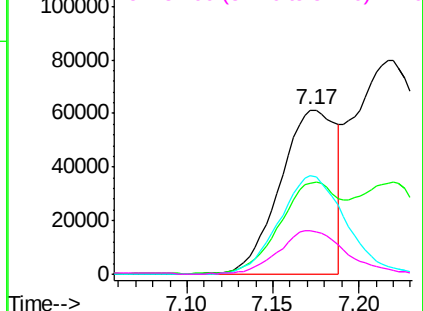
#41
Methacrylonitrile
Concen: 49.584 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tgt Ion: 41 Resp: 138176
Ion Ratio Lower Upper
41 100
39 58.6 46.8 70.2
67 71.7 67.0 100.4
52 31.0 26.5 39.7

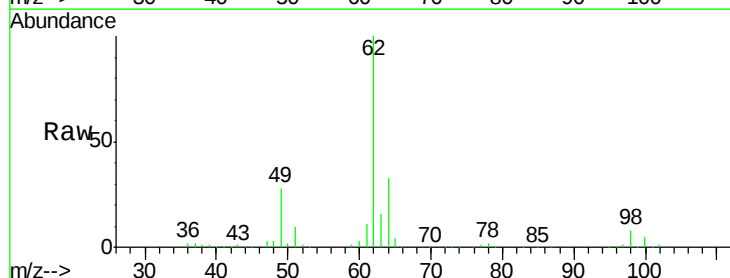


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

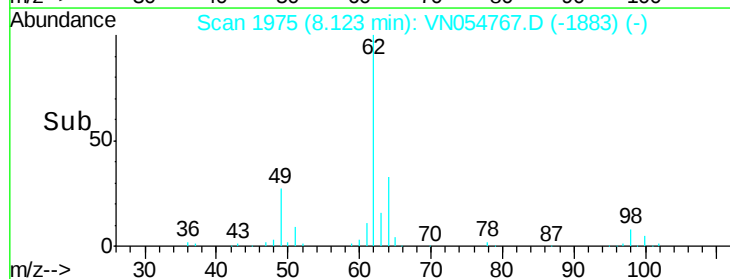
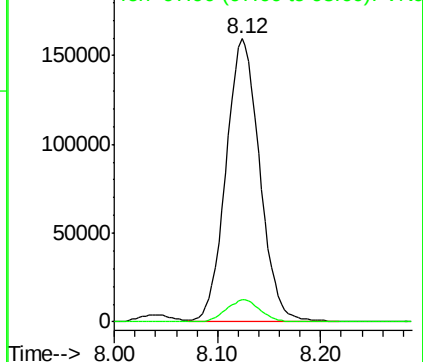


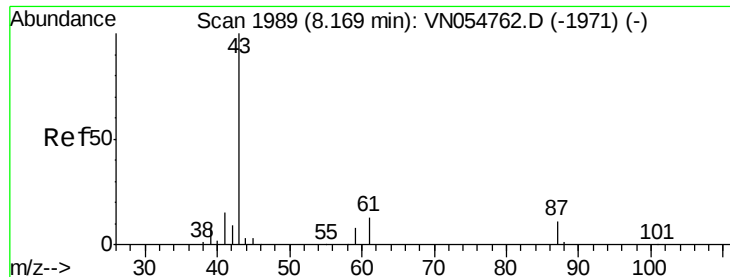
#42
1,2-Dichloroethane
Concen: 52.266 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 62 Resp: 361233
Ion Ratio Lower Upper
62 100
98 8.0 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 54.975 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

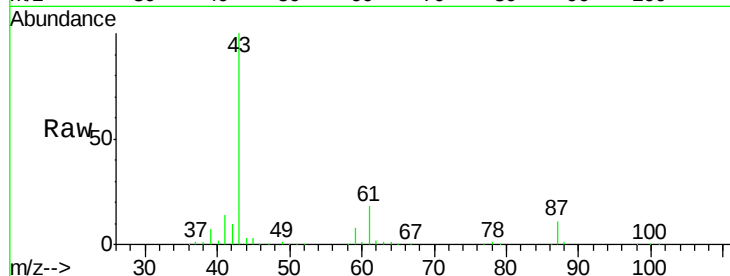
Tgt Ion: 43 Resp: 443130

Ion Ratio Lower Upper

43 100

61 17.6 15.8 23.8

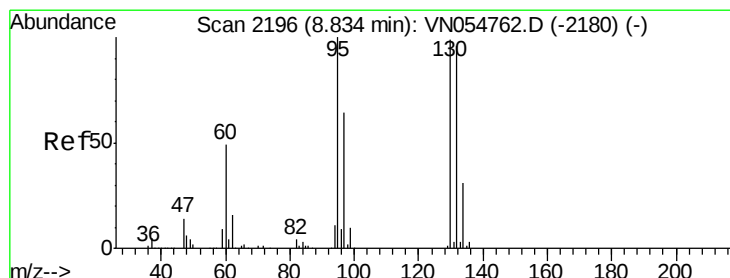
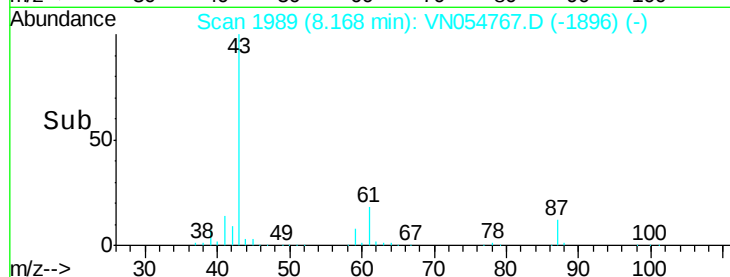
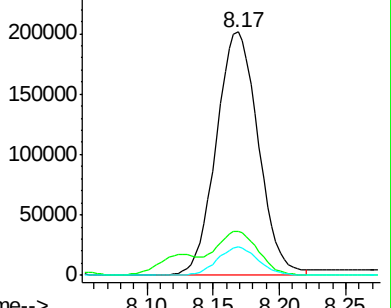
87 11.4 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054767.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054767.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054767.D (-1971) (-)



#44

Trichloroethene

Concen: 52.592 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054767.D

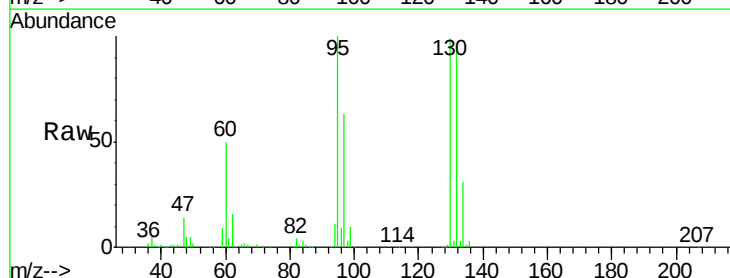
Acq: 29 Mar 2019 13:41

Tgt Ion:130 Resp: 264262

Ion Ratio Lower Upper

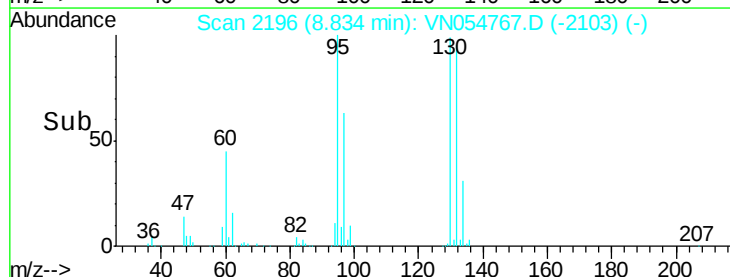
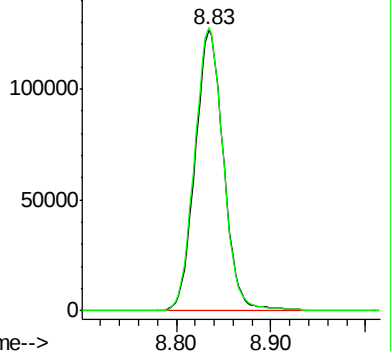
130 100

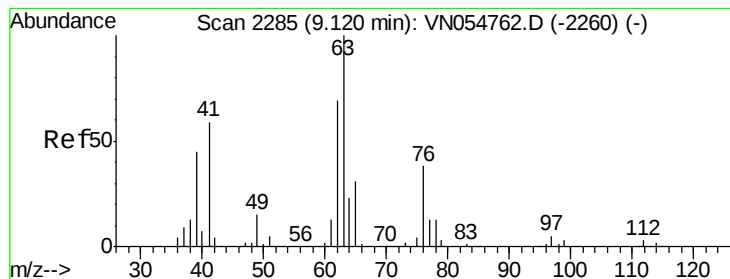
95 100.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054767.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN054767.D (-2196) (-)





#45

1,2-Dichloropropane

Concen: 51.348 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

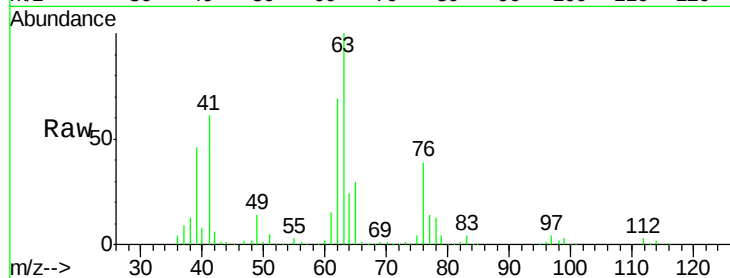
ICVVN032919

Tgt Ion: 63 Resp: 283405

Ion Ratio Lower Upper

63 100

65 29.5 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

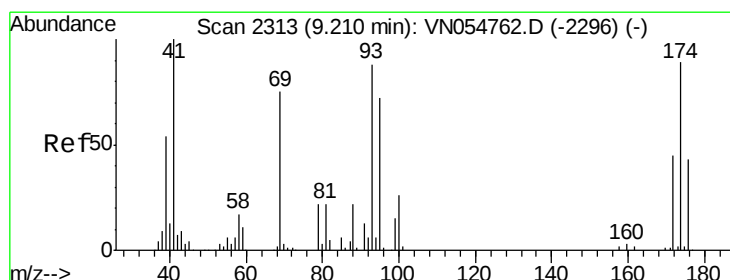
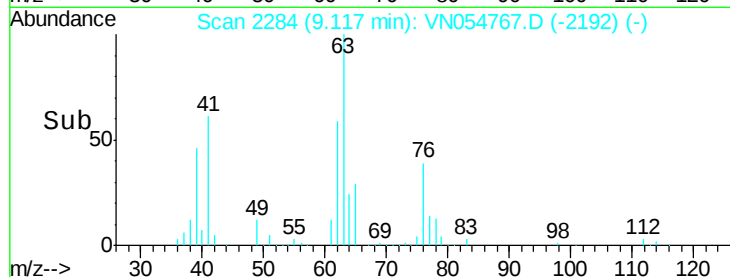
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 51.789 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

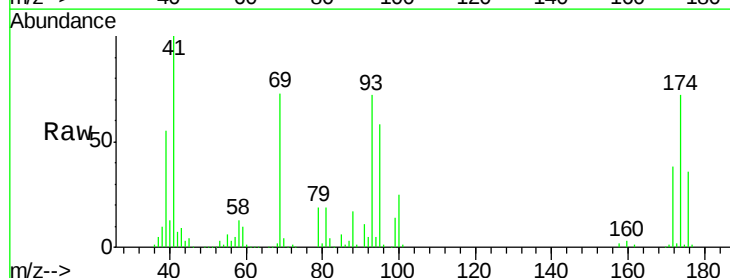
Tgt Ion: 93 Resp: 160796

Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 101.0 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

9.21

100000

80000

60000

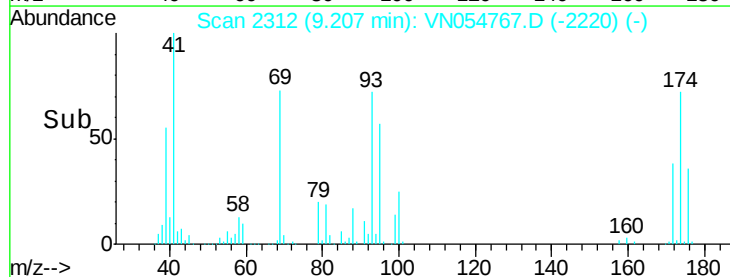
40000

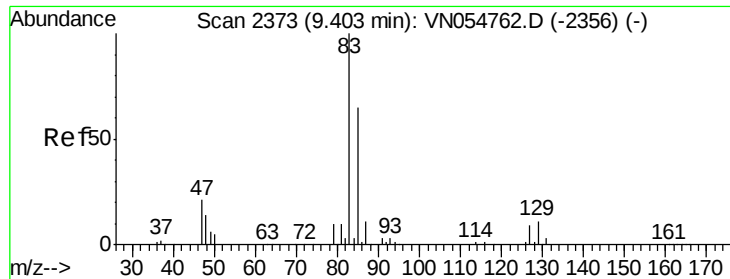
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 52.976 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

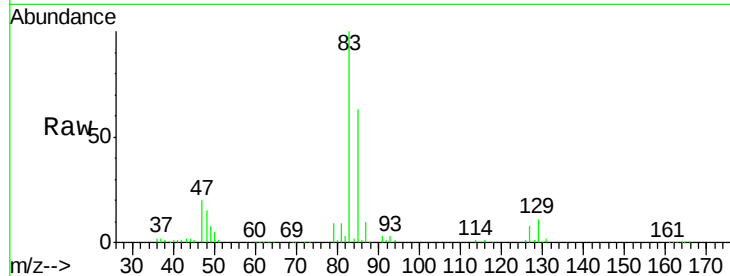
Tgt Ion: 83 Resp: 341844

Ion Ratio Lower Upper

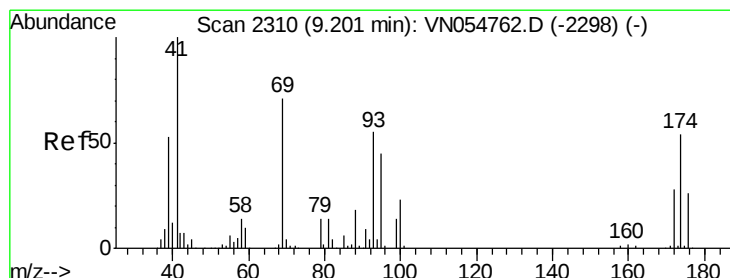
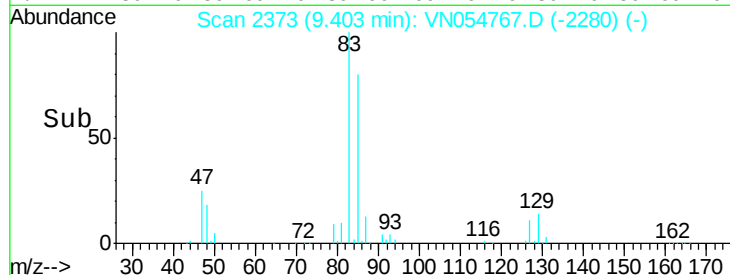
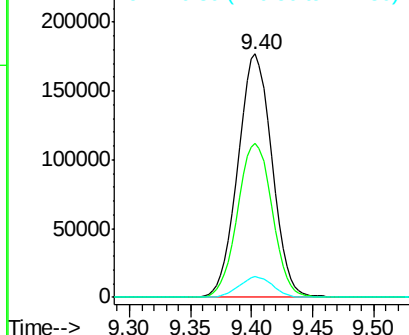
83 100

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): V



#48

Methyl methacrylate

Concen: 52.256 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

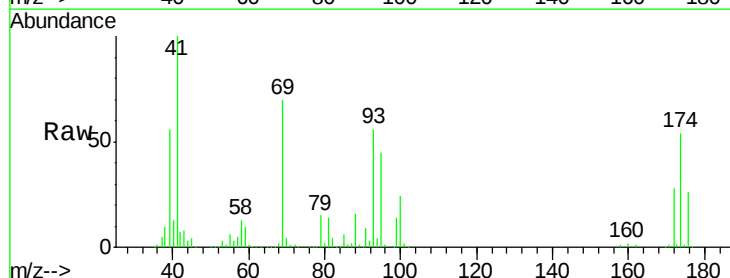
Tgt Ion: 41 Resp: 228330

Ion Ratio Lower Upper

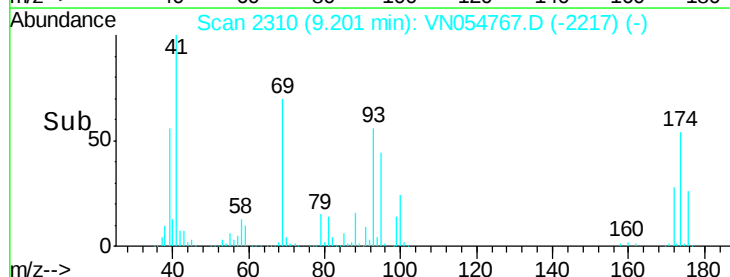
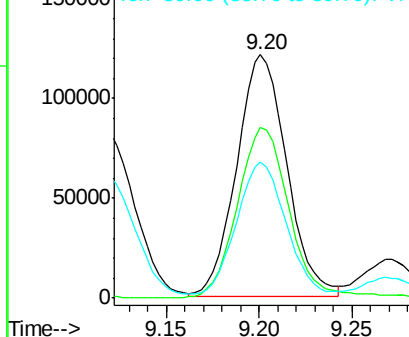
41 100

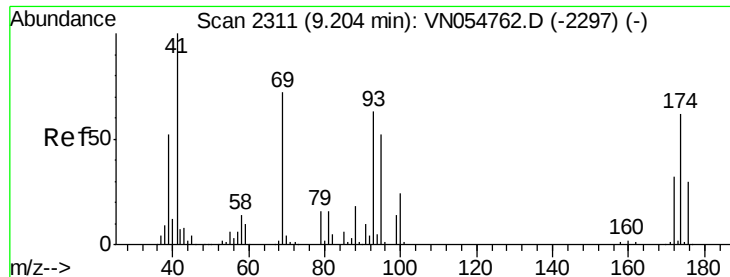
69 73.5 72.6 108.8

39 56.4 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: 974.090 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

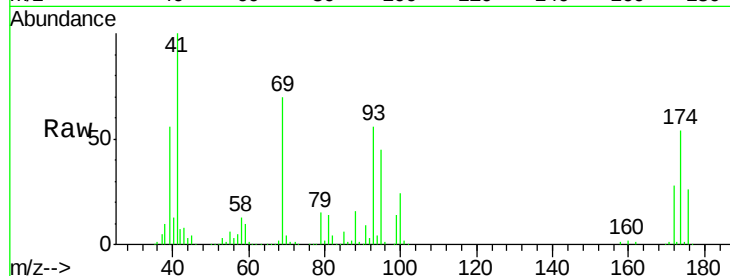
Tgt Ion: 88 Resp: 42231

Ion Ratio Lower Upper

88 100

43 41.0 24.1 36.1#

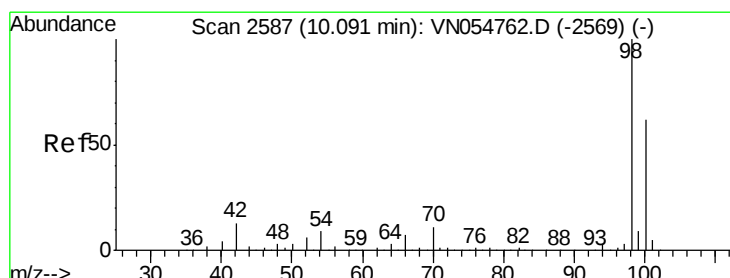
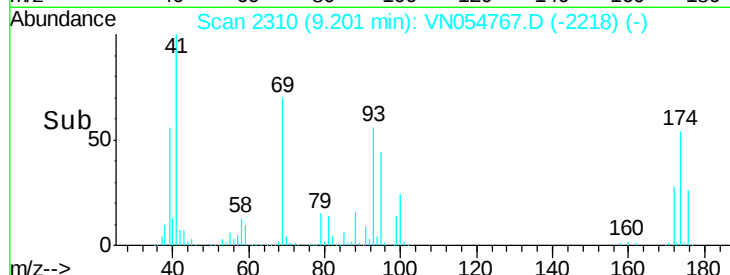
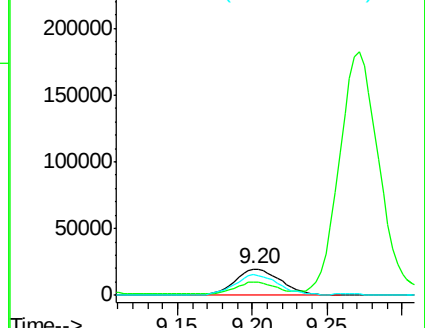
58 76.5 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054767.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN054767.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN054767.D (-2297) (-)



#50

Toluene-d8

Concen: 49.775 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054767.D

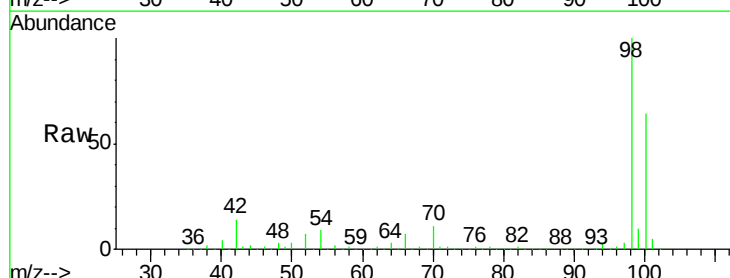
Acq: 29 Mar 2019 13:41

Tgt Ion: 98 Resp: 895658

Ion Ratio Lower Upper

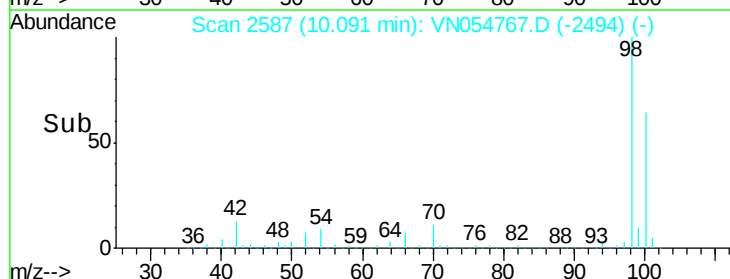
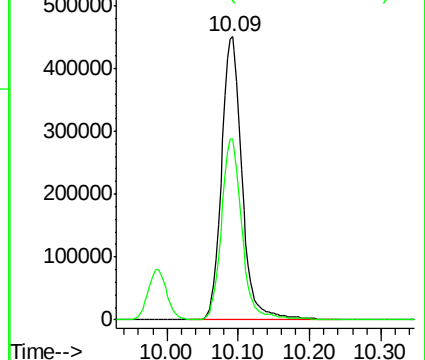
98 100

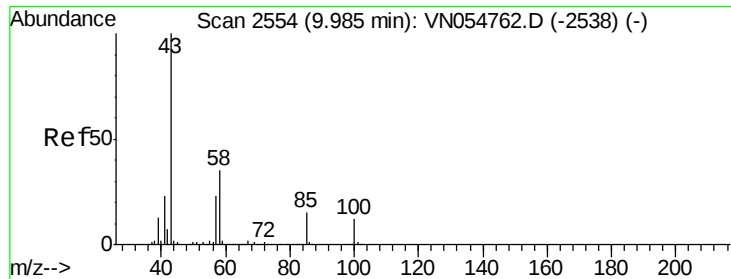
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054767.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054767.D (-2569) (-)

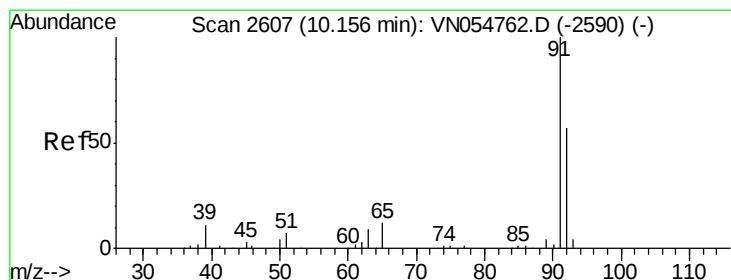
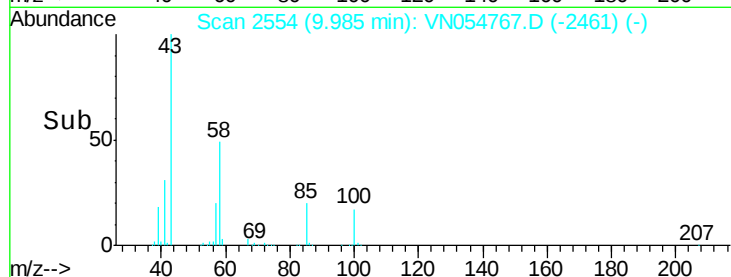
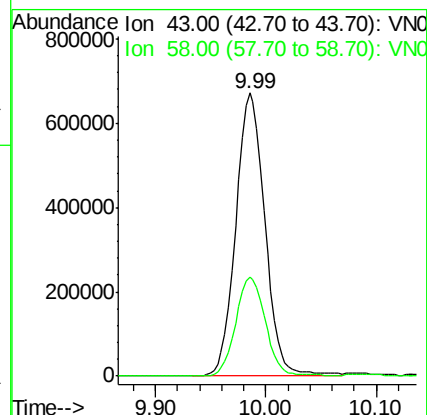
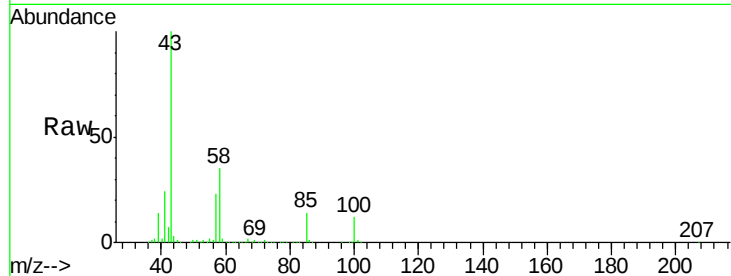




#51
 4-Methyl-2-Pentanone
 Concen: 271.355 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

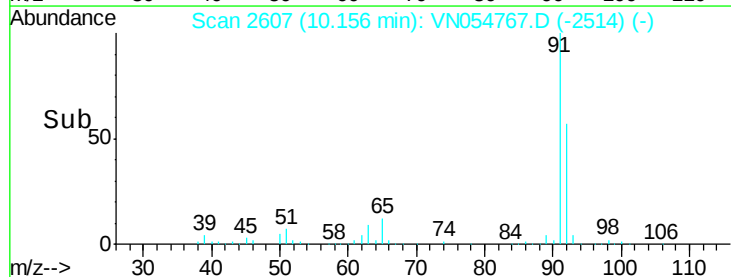
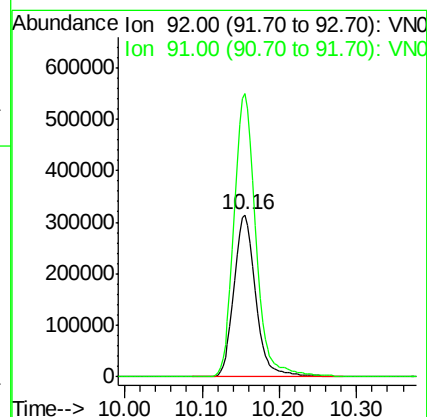
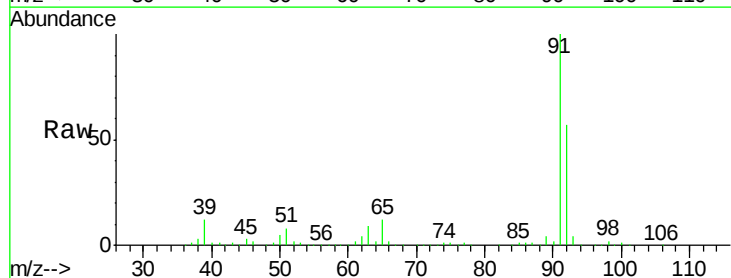
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

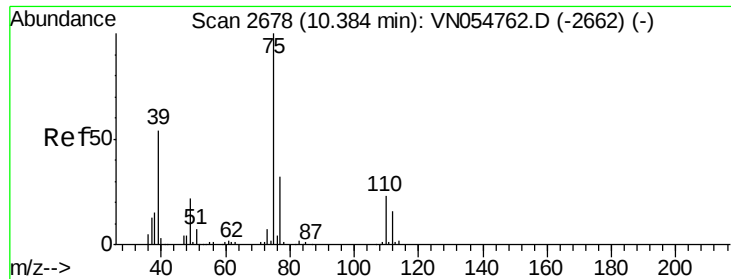
Tgt Ion: 43 Resp: 1229736
 Ion Ratio Lower Upper
 43 100
 58 35.7 31.8 47.6



#52
 Toluene
 Concen: 52.799 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion: 92 Resp: 608132
 Ion Ratio Lower Upper
 92 100
 91 176.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 56.361 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

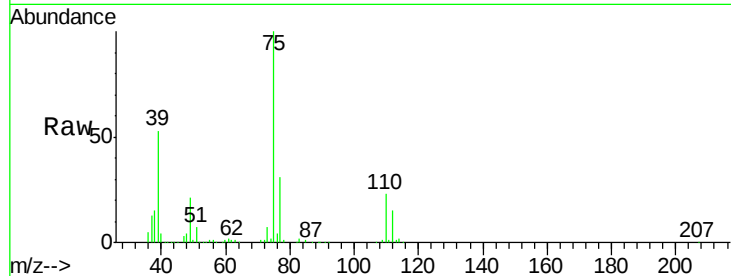
ICVFN032919

Tgt Ion: 75 Resp: 342110

Ion Ratio Lower Upper

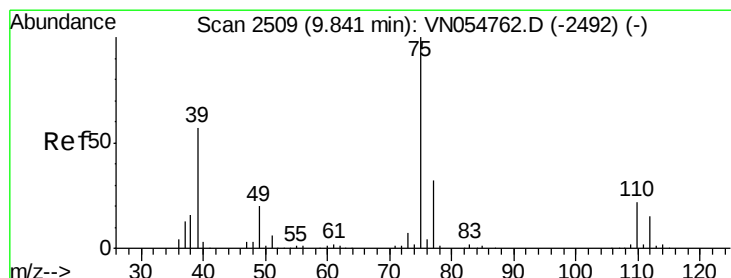
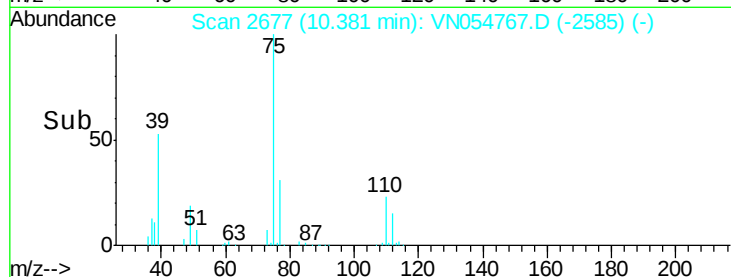
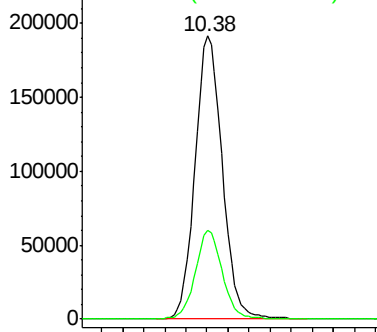
75 100

77 31.2 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: 56.450 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

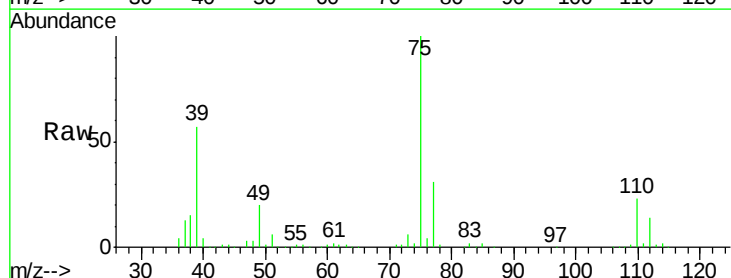
Tgt Ion: 75 Resp: 409311

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

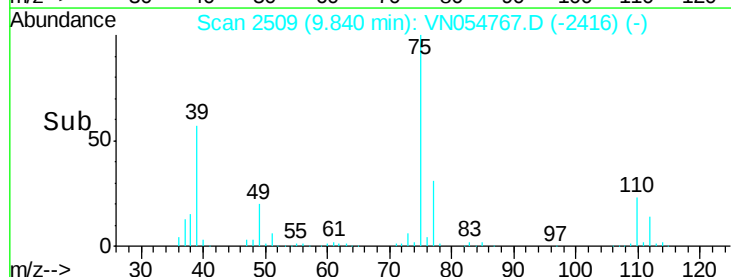
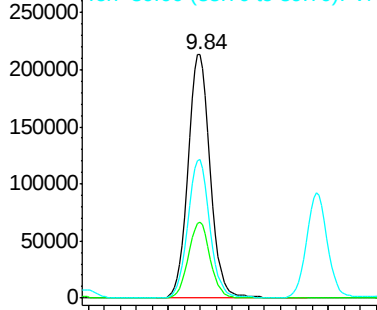
39 56.6 37.2 55.8#



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: 51.076 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

Tgt Ion: 97 Resp: 218748

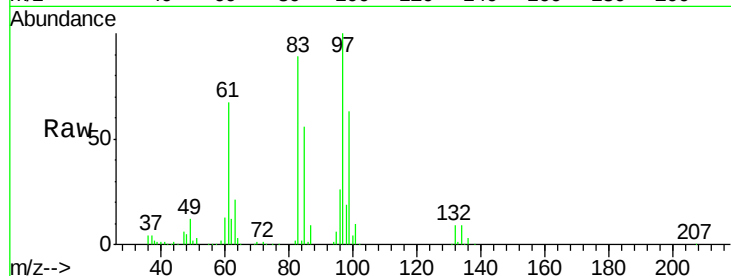
Ion Ratio Lower Upper

97 100

83 89.0 66.6 100.0

85 55.7 44.4 66.6

99 62.8 50.8 76.2

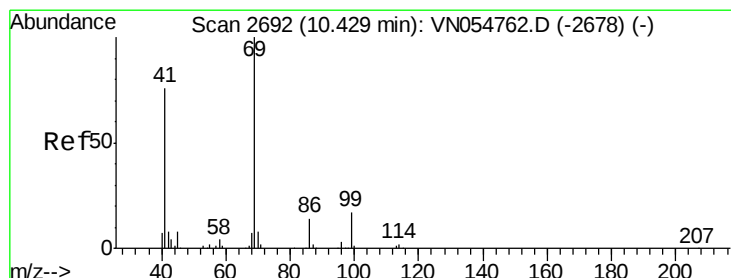
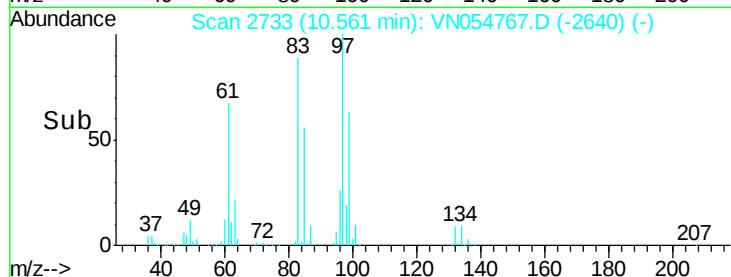
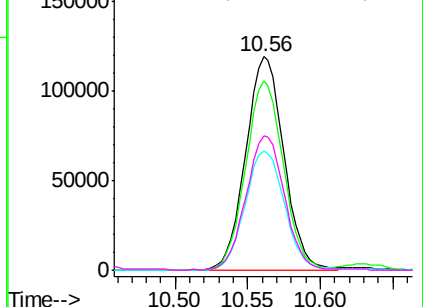


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.401 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

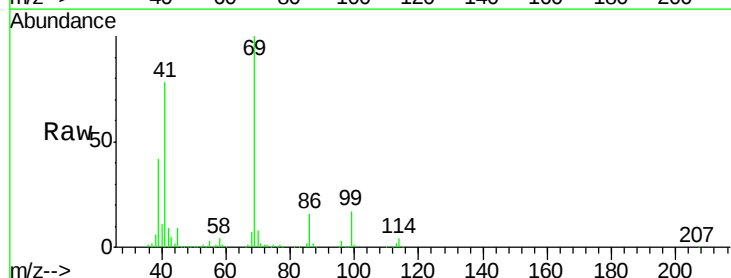
Tgt Ion: 69 Resp: 305631

Ion Ratio Lower Upper

69 100

41 76.8 49.4 74.2#

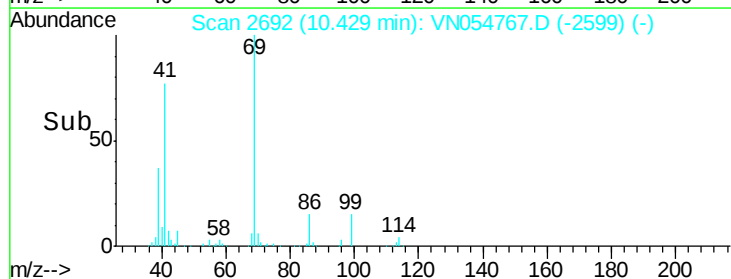
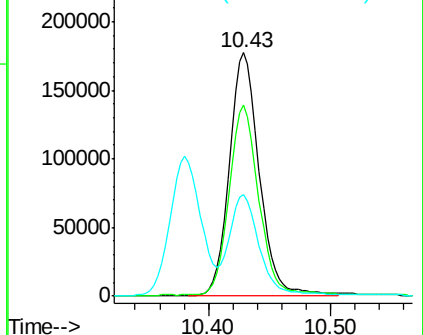
39 41.0 28.3 42.5

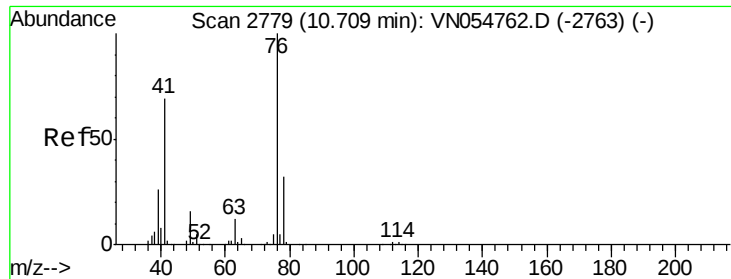


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.261 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

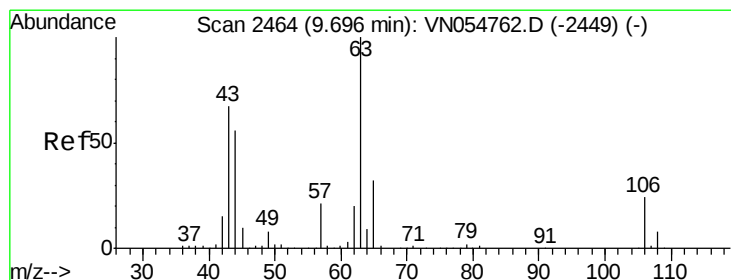
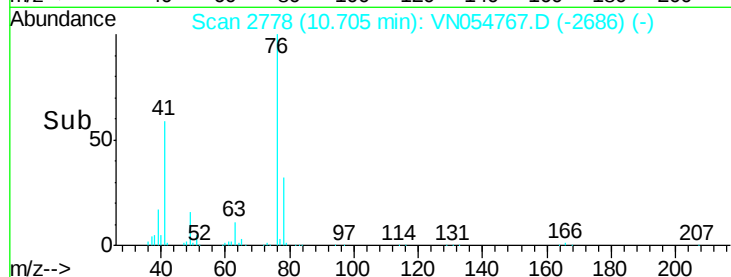
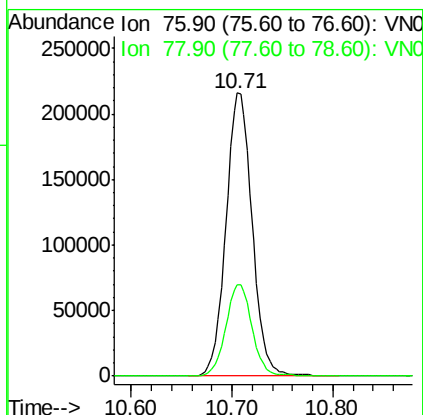
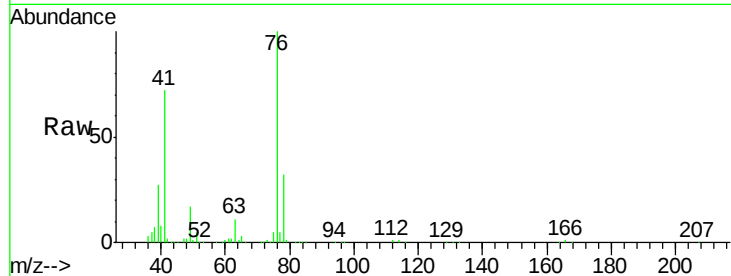
ICVVN032919

Tgt Ion: 76 Resp: 392159

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 263.413 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054767.D

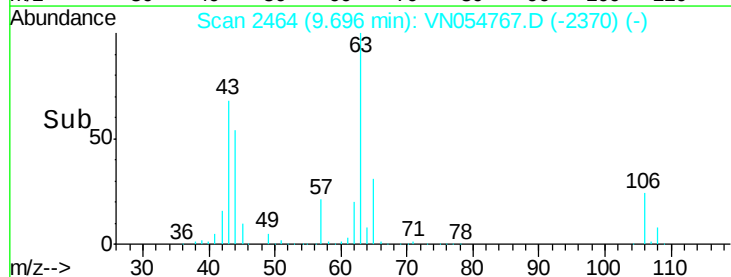
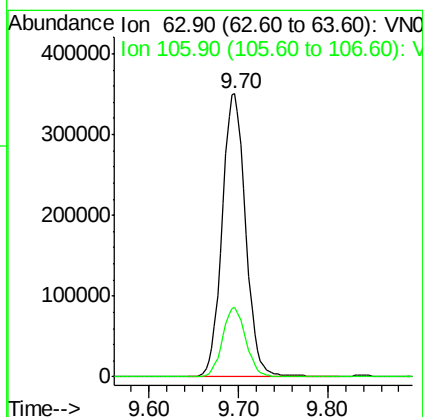
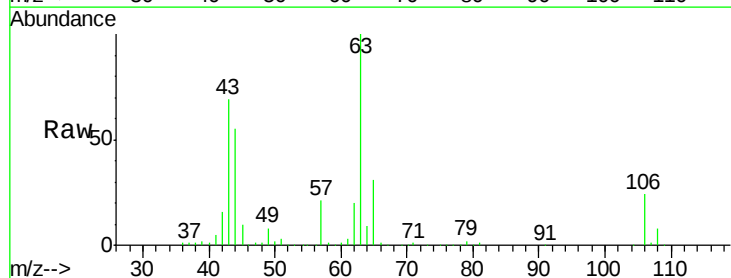
Acq: 29 Mar 2019 13:41

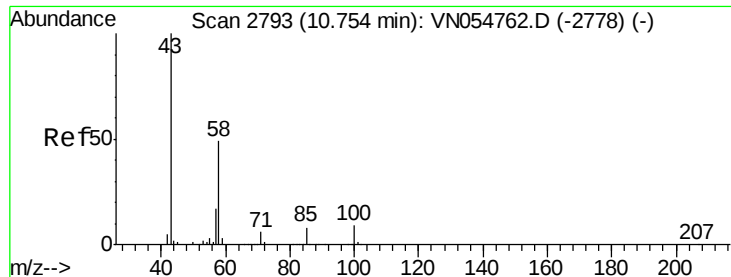
Tgt Ion: 63 Resp: 638877

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#

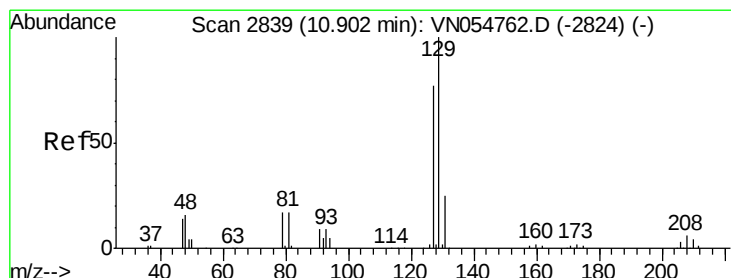
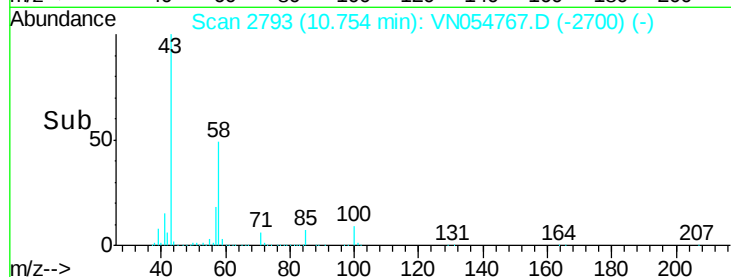
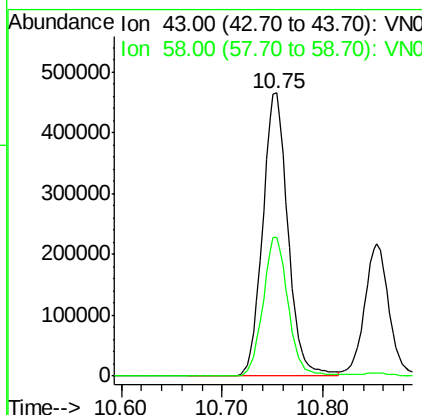
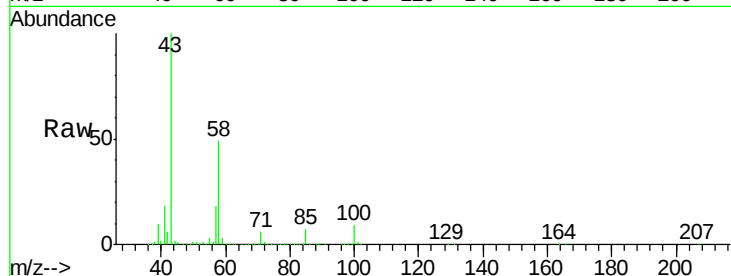




#59
2-Hexanone
Concen: 278.918 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

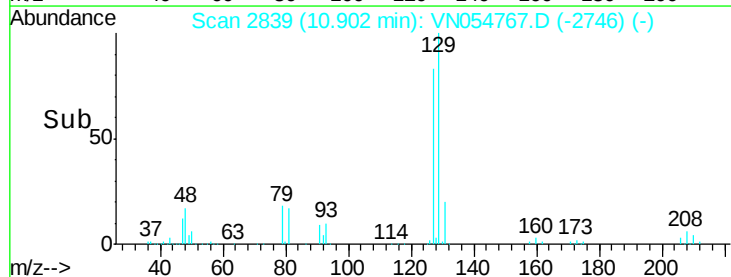
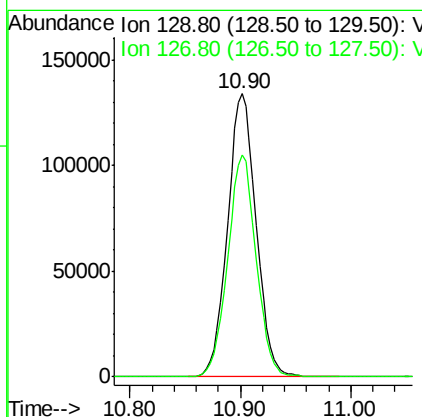
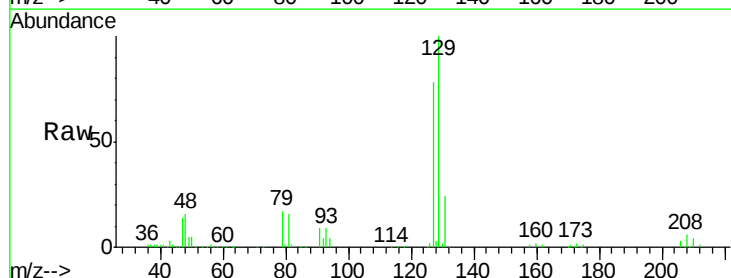
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

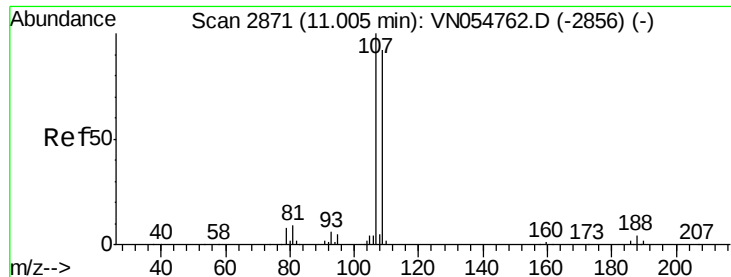
Tgt Ion: 43 Resp: 809168
Ion Ratio Lower Upper
43 100
58 48.9 28.0 83.9



#60
Dibromochloromethane
Concen: 55.542 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 129 Resp: 240960
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.242 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

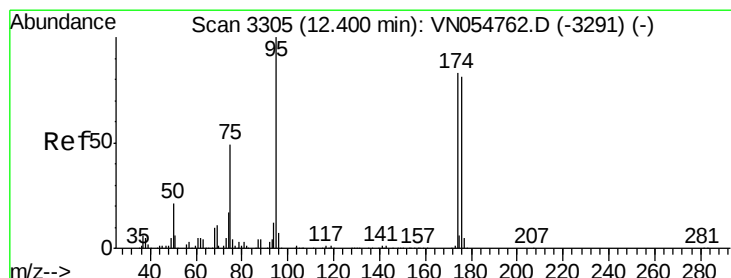
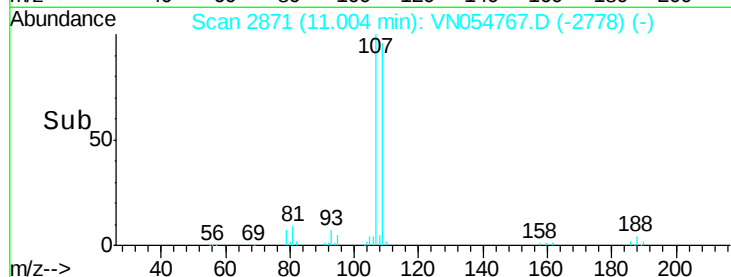
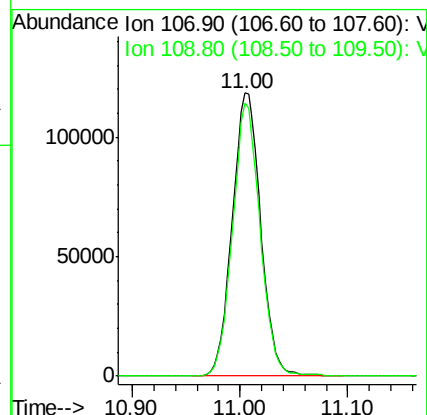
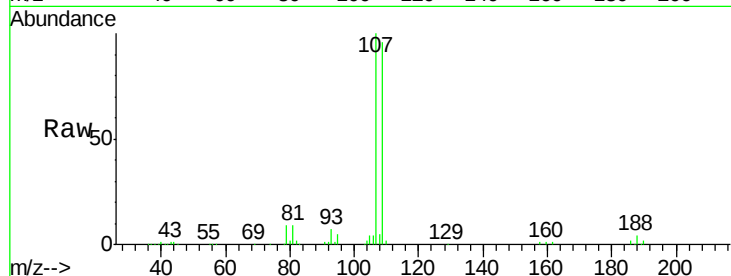
ICVVN032919

Tgt Ion: 107 Resp: 217911

Ion Ratio Lower Upper

107 100

109 93.8 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 52.013 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

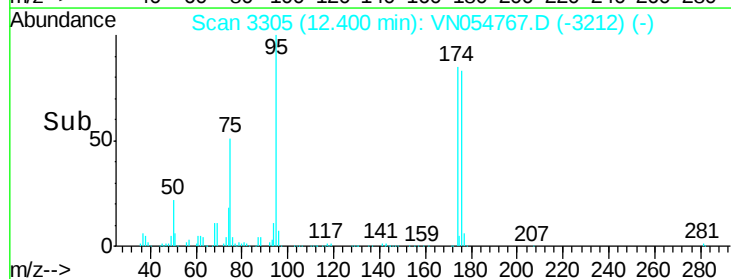
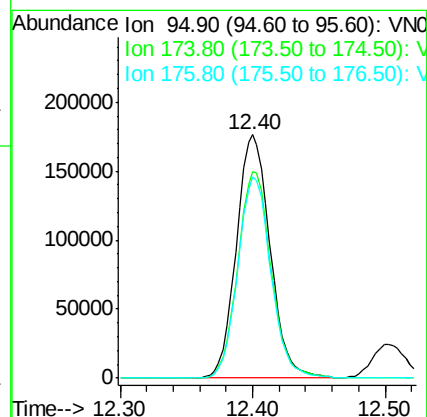
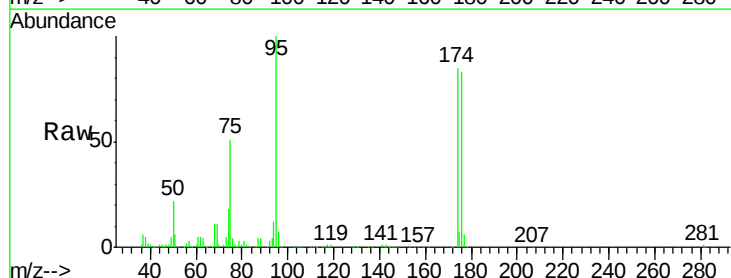
Tgt Ion: 95 Resp: 311271

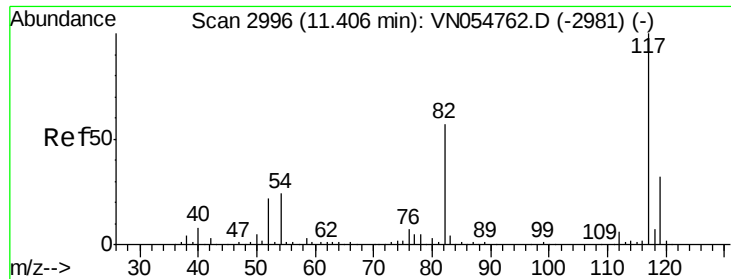
Ion Ratio Lower Upper

95 100

174 84.2 0.0 191.0

176 81.3 0.0 187.4

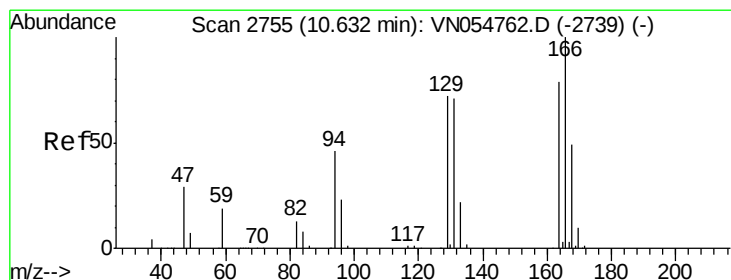
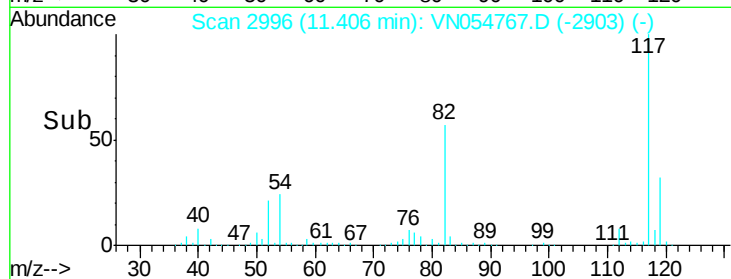
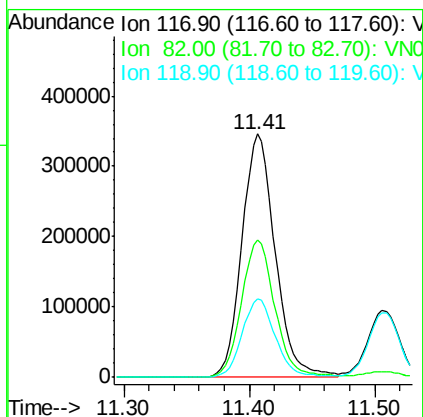
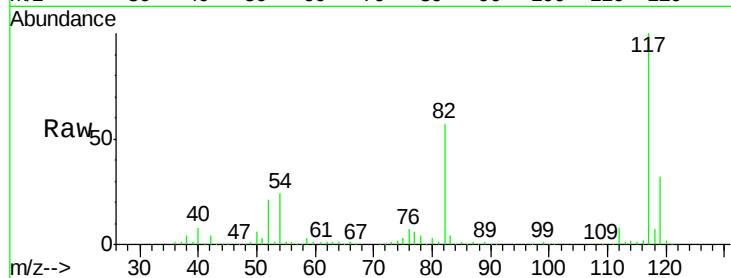




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

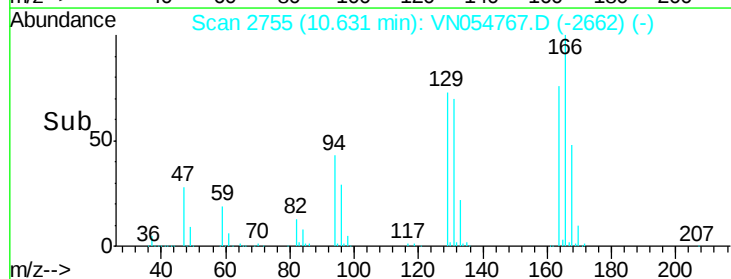
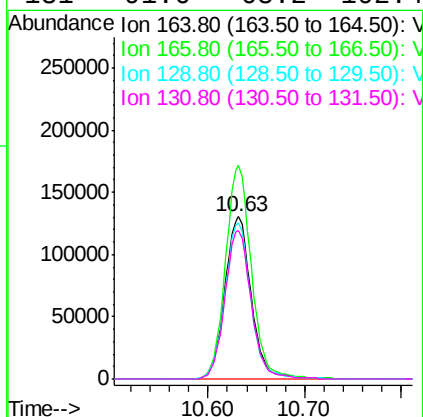
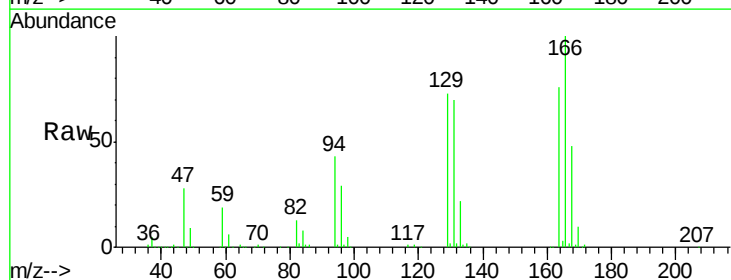
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tgt Ion:117 Resp: 640340
Ion Ratio Lower Upper
117 100
82 56.6 40.0 60.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 50.162 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion:164 Resp: 246483
Ion Ratio Lower Upper
164 100
166 131.7 103.9 155.9
129 96.0 71.1 106.7
131 91.6 68.2 102.4

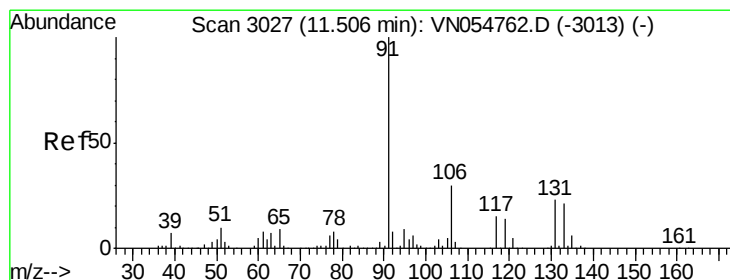
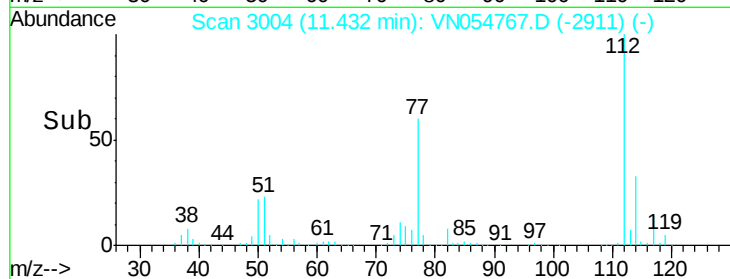
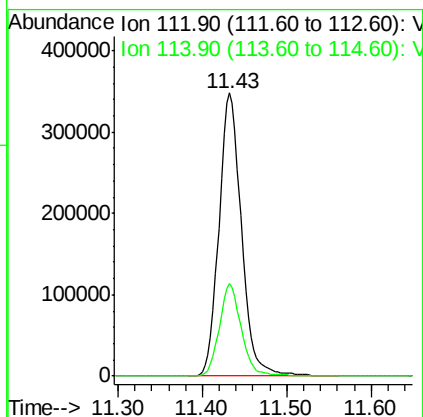
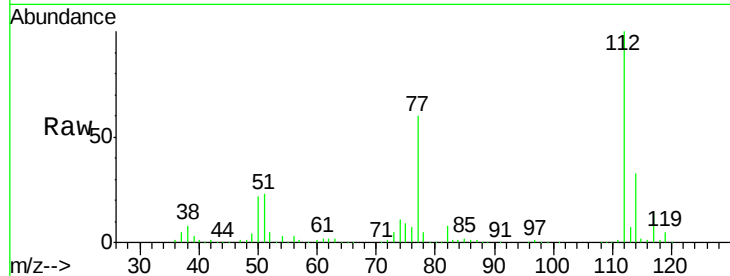




#65
Chlorobenzene
Concen: 51.427 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

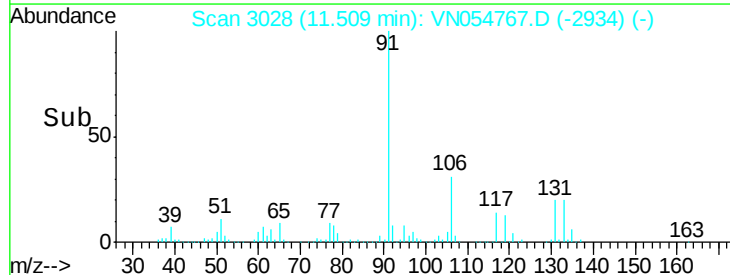
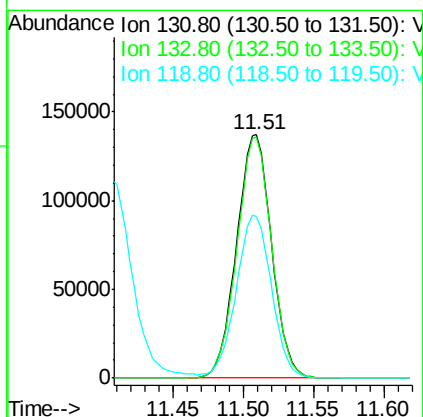
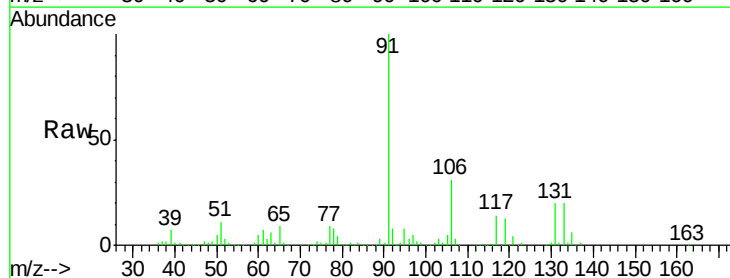
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

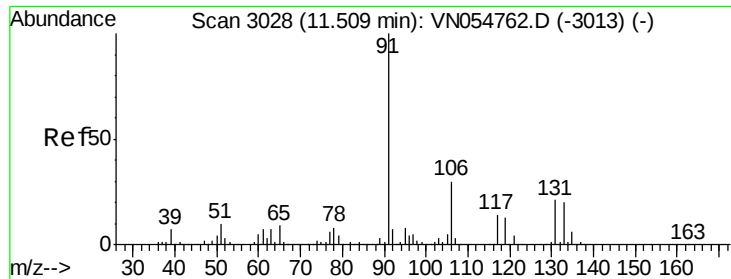
Tgt Ion:112 Resp: 644752
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.891 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion:131 Resp: 238811
Ion Ratio Lower Upper
131 100
133 98.1 47.6 142.9
119 67.7 32.4 97.0

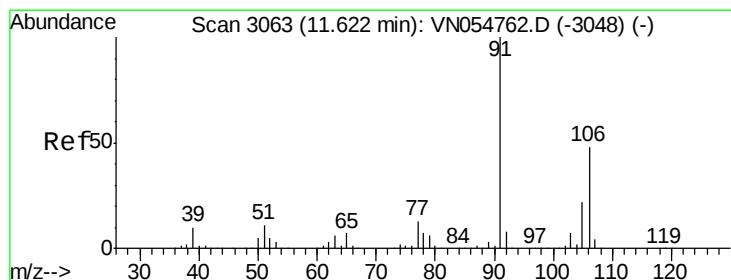
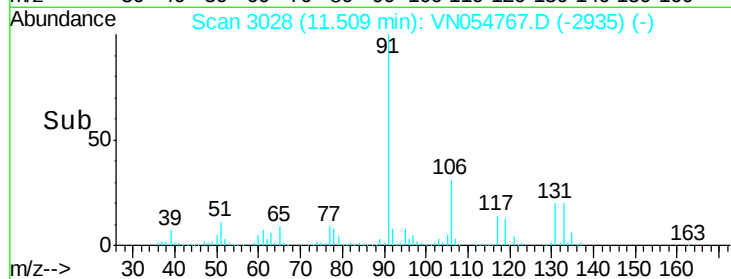
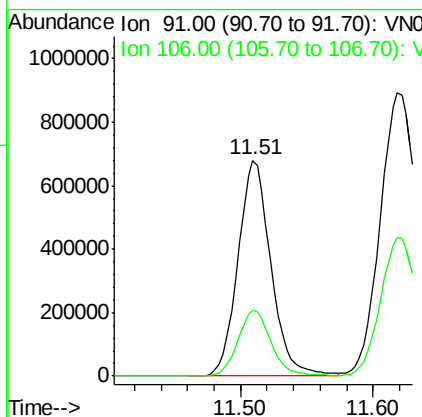
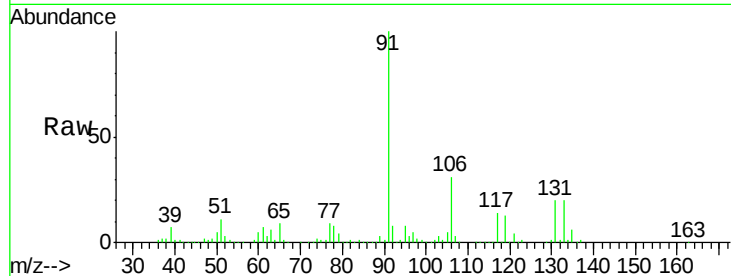




#67
Ethyl Benzene
Concen: 51.929 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

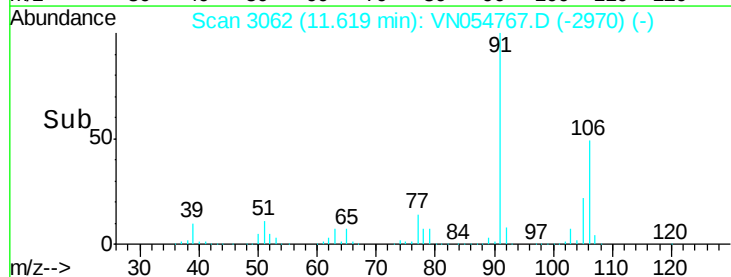
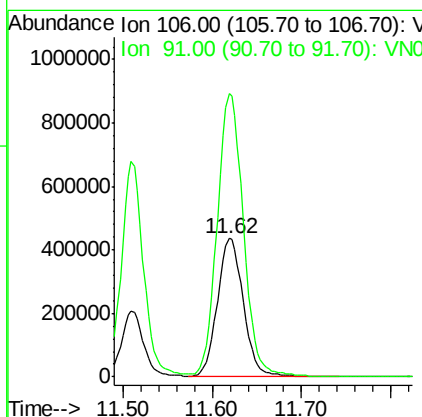
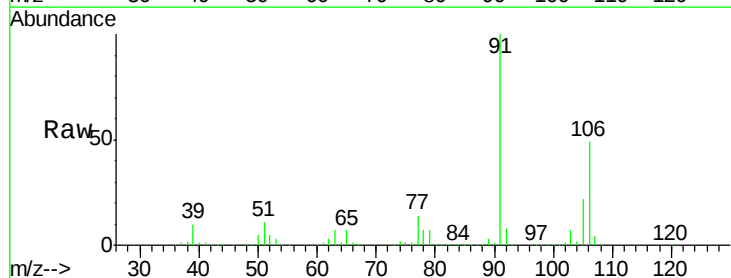
Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

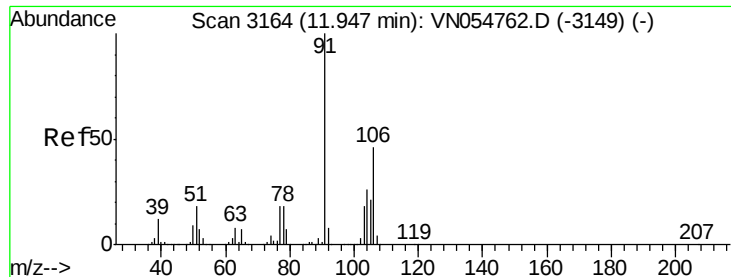
Tgt Ion: 91 Resp: 1174838
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 105.433 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 106 Resp: 882713
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2

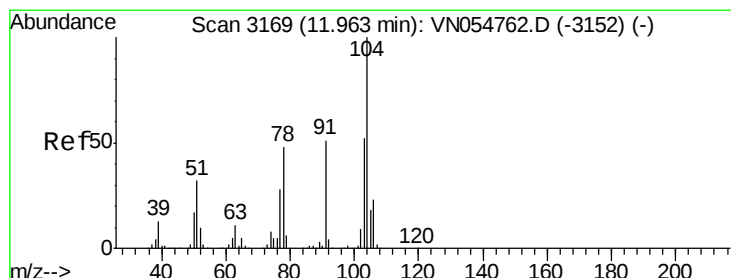
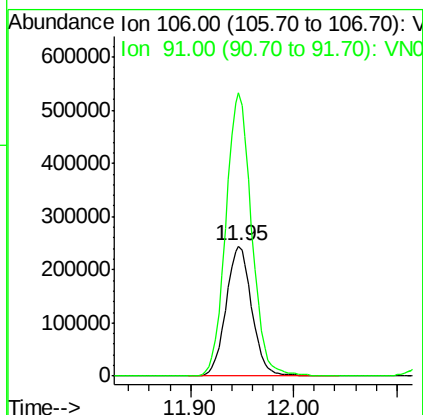
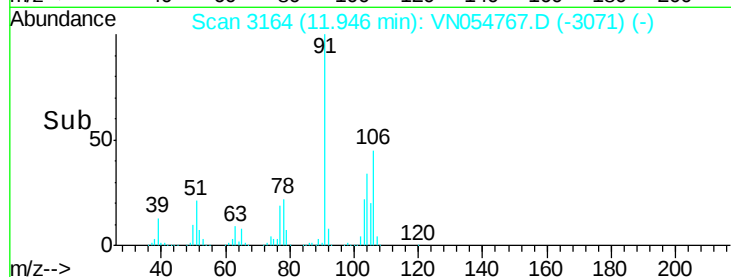
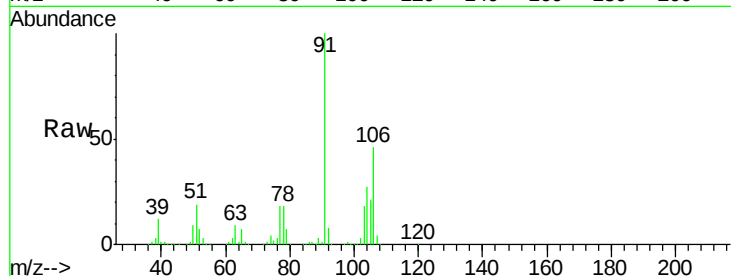




#69
o-Xylene
Concen: 51.809 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

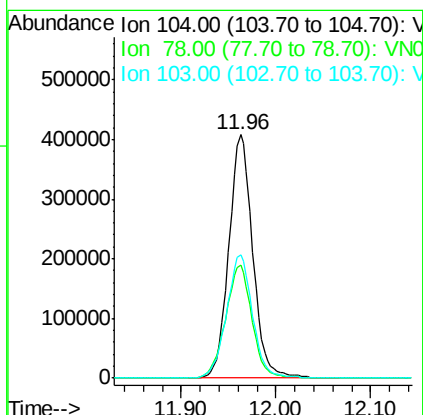
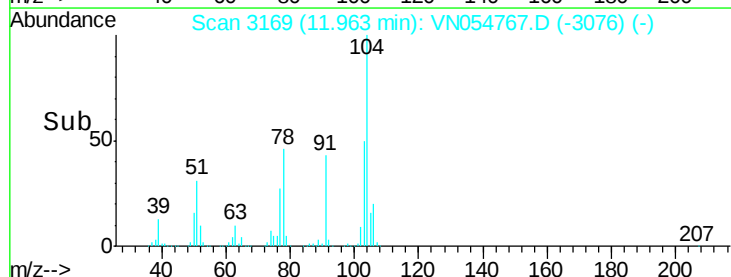
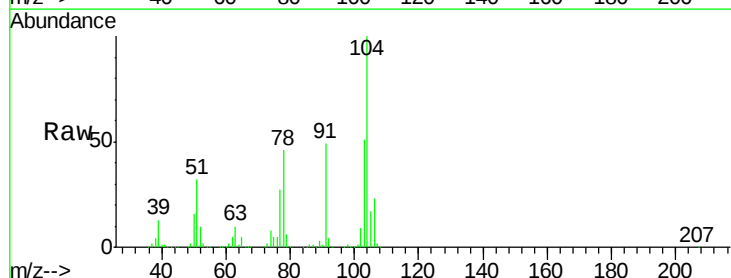
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

Tgt Ion:106 Resp: 425345
Ion Ratio Lower Upper
106 100
91 217.7 105.7 317.1



#70
Styrene
Concen: 54.649 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion:104 Resp: 717371
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 55.2 44.4 66.6

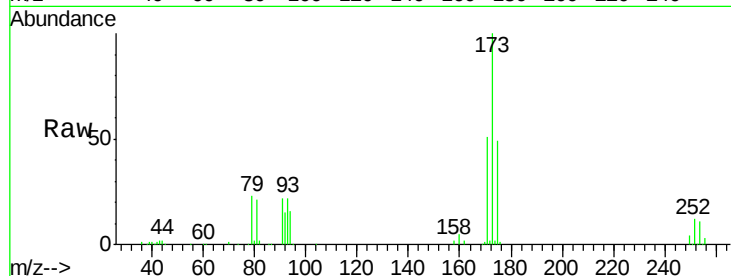




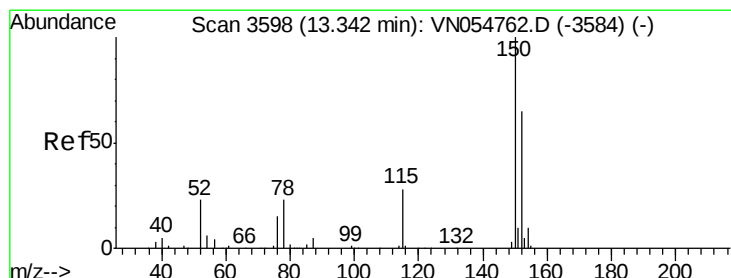
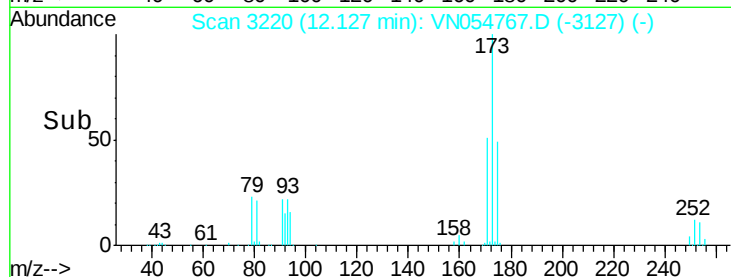
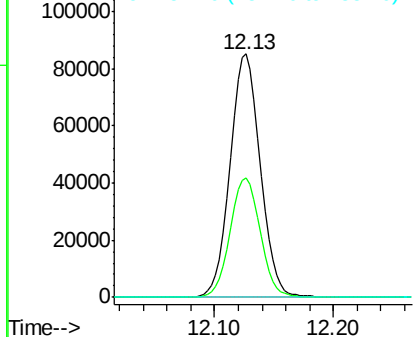
#71
Bromoform
Concen: 54.530 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
ICVVN032919

Tgt Ion:173 Resp: 149911
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.2
254 0.1 0.1 0.1

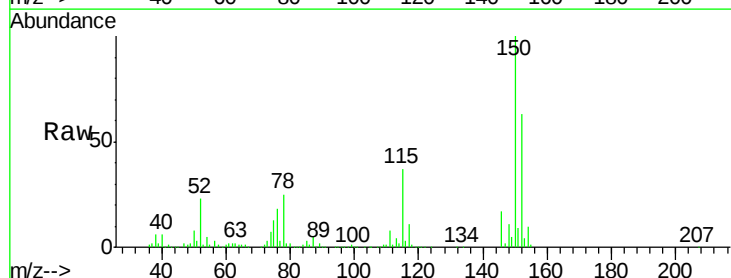


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

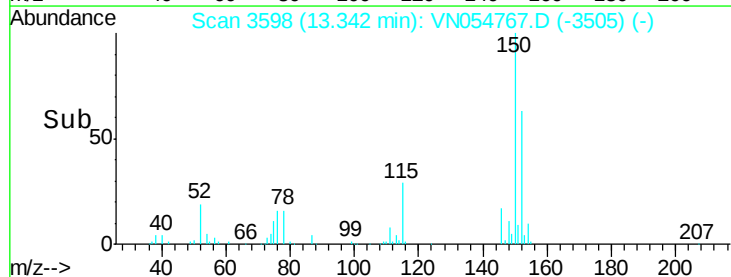
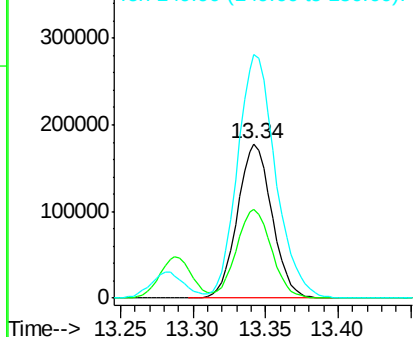


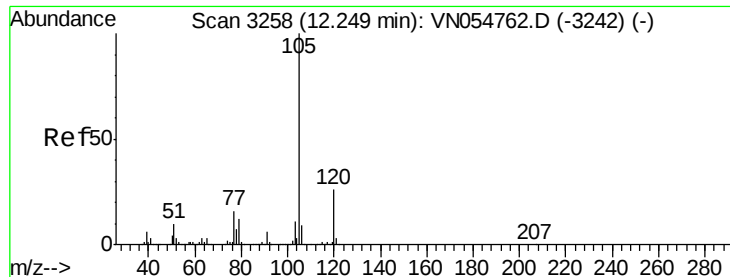
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion:152 Resp: 294510
Ion Ratio Lower Upper
152 100
115 58.3 27.2 81.6
150 174.1 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: 46.908 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

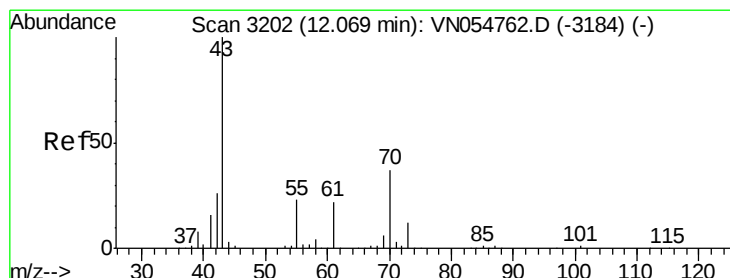
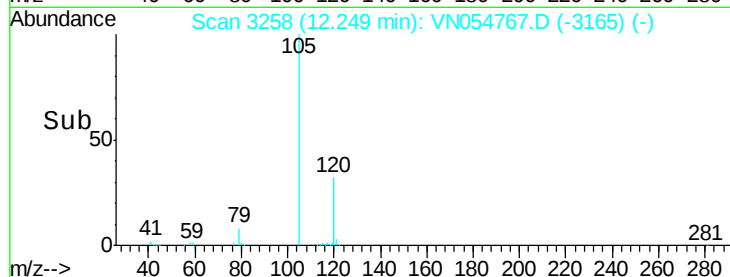
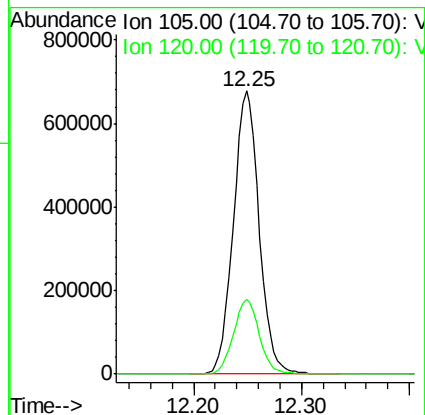
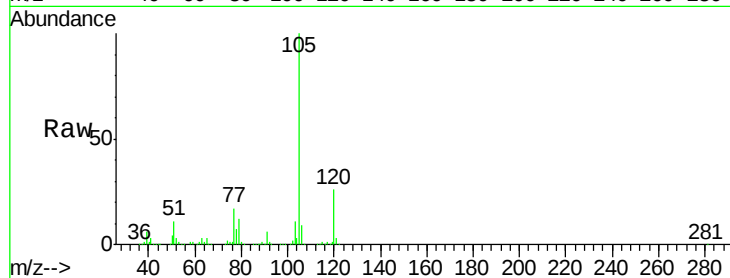
ICVVN032919

Tgt Ion:105 Resp: 1129160

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



#74

N-ethyl acetate

Concen: 49.928 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Tgt Ion: 43 Resp: 374436

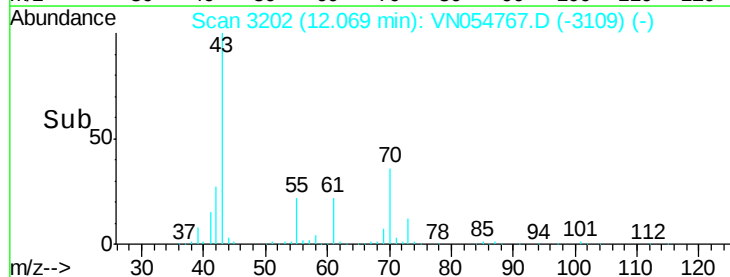
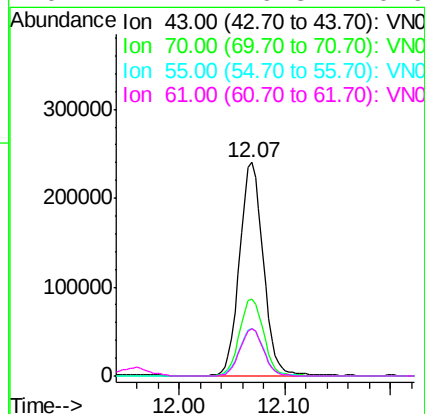
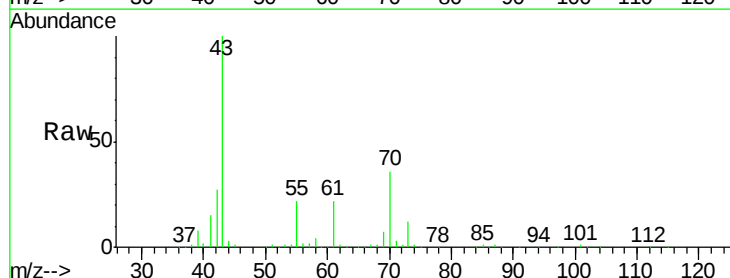
Ion Ratio Lower Upper

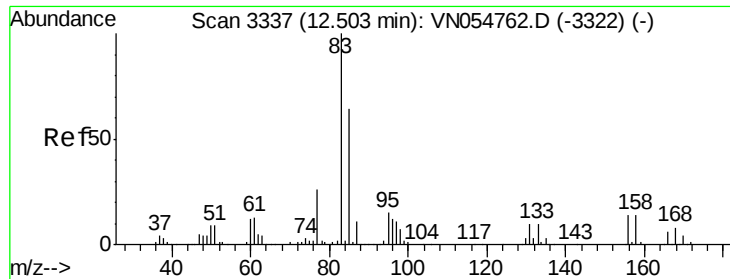
43 100

70 36.7 35.4 53.0

55 23.1 19.8 29.6

61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.268 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

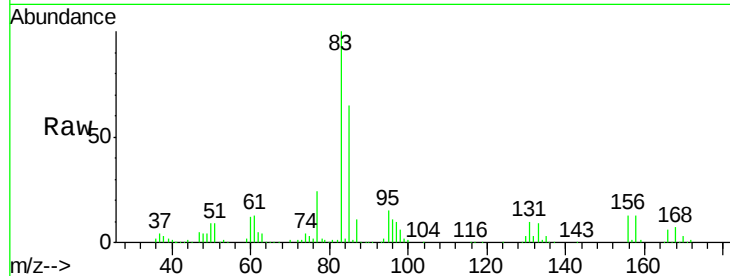
Tgt Ion: 83 Resp: 271827

Ion Ratio Lower Upper

83 100

131 10.5 5.8 17.4

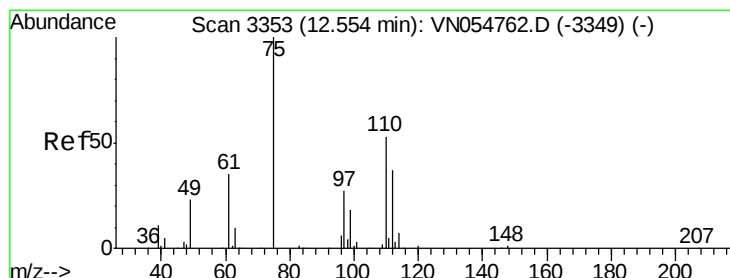
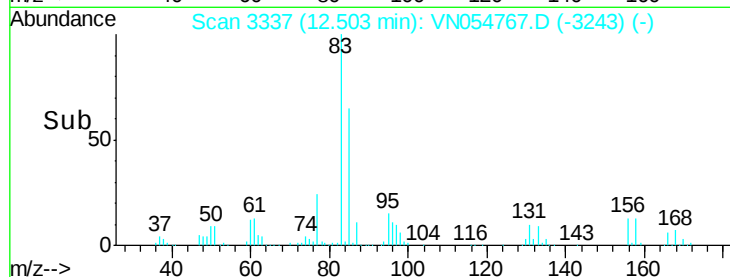
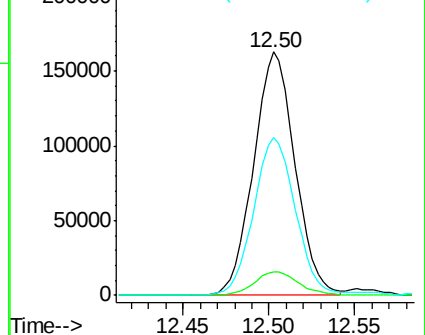
85 65.3 32.2 96.6



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: 65.007 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054767.D

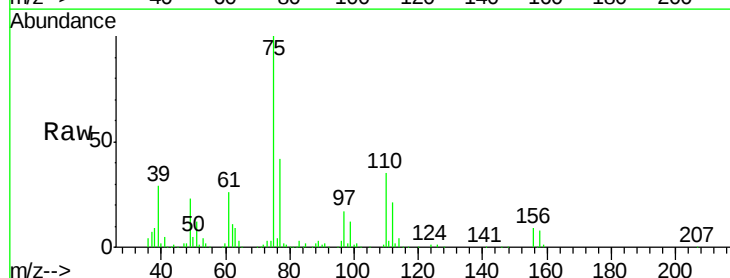
Acq: 29 Mar 2019 13:41

Tgt Ion: 75 Resp: 332597

Ion Ratio Lower Upper

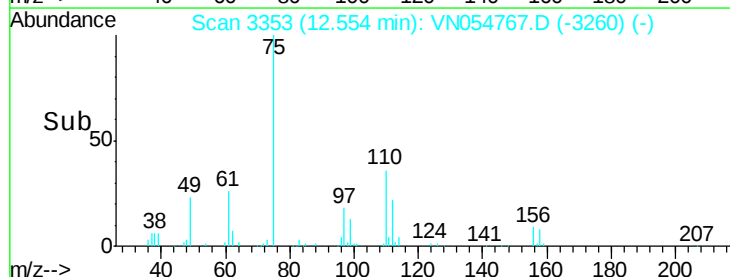
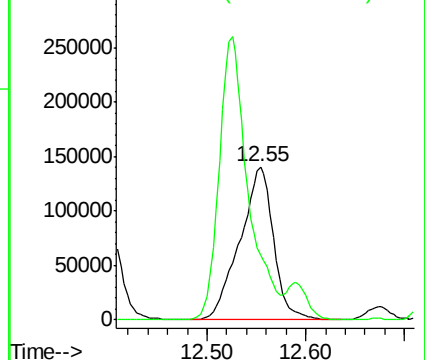
75 100

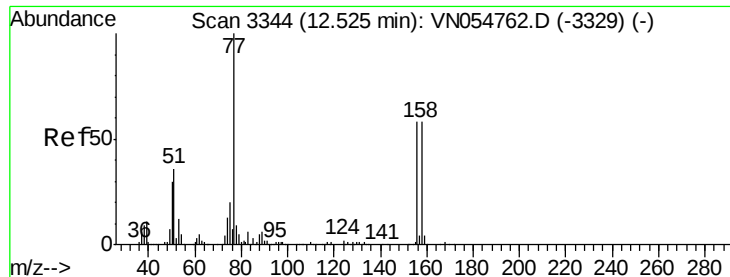
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.930 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

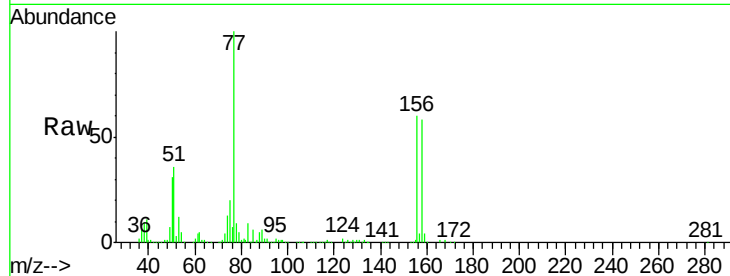
Tgt Ion:156 Resp: 278455

Ion Ratio Lower Upper

156 100

77 193.7 81.5 244.4

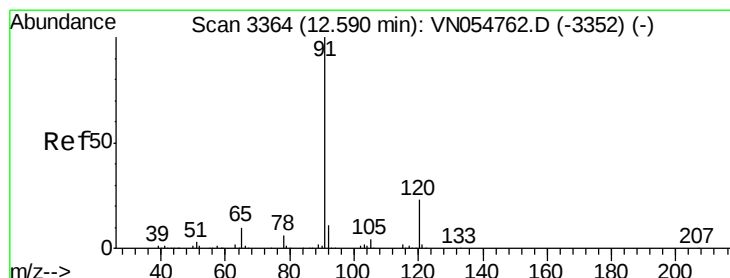
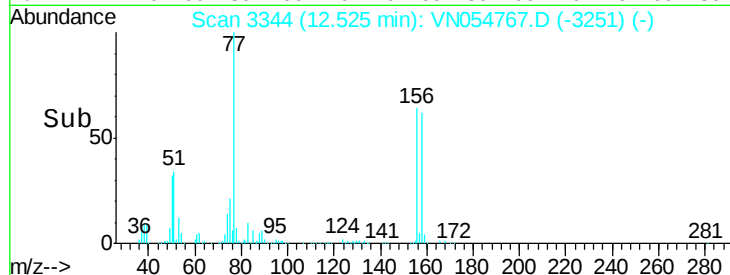
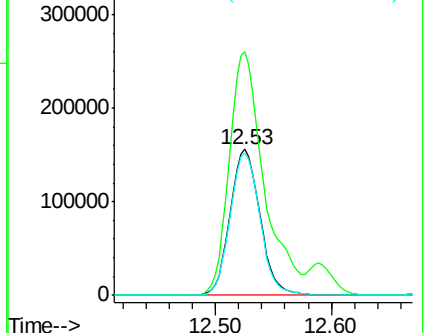
158 97.0 49.0 147.2



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: 49.526 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054767.D

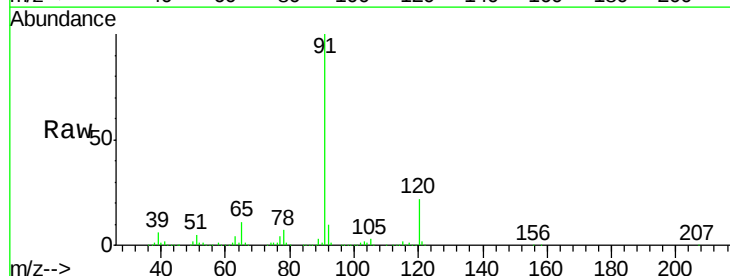
Acq: 29 Mar 2019 13:41

Tgt Ion: 91 Resp: 1310347

Ion Ratio Lower Upper

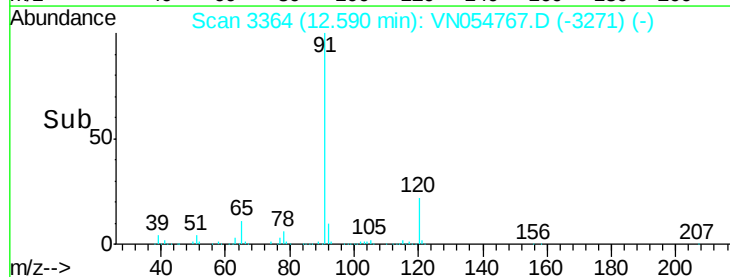
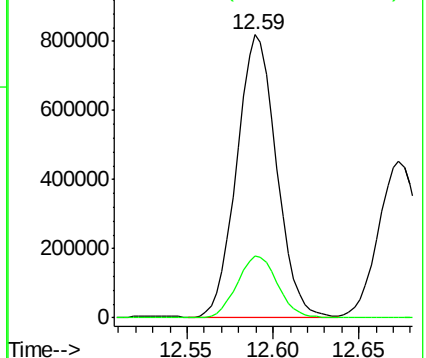
91 100

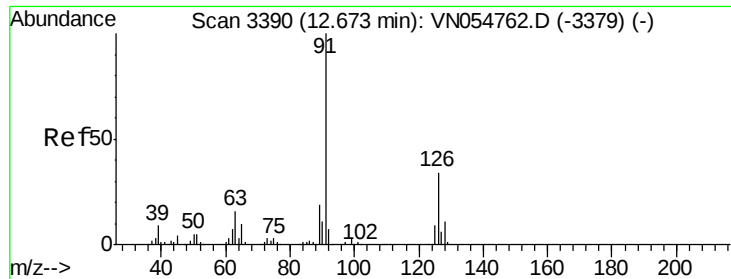
120 22.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

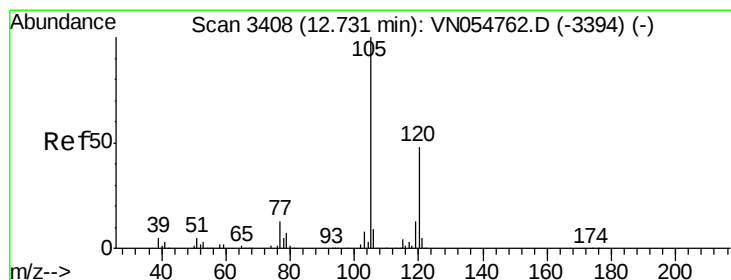
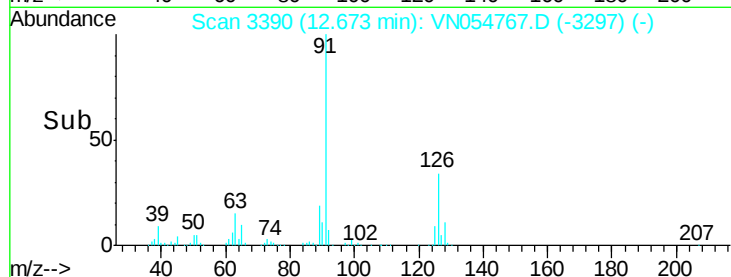
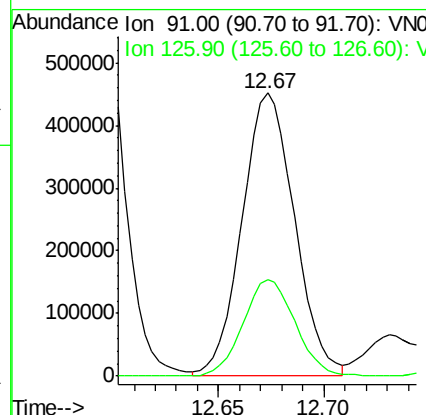
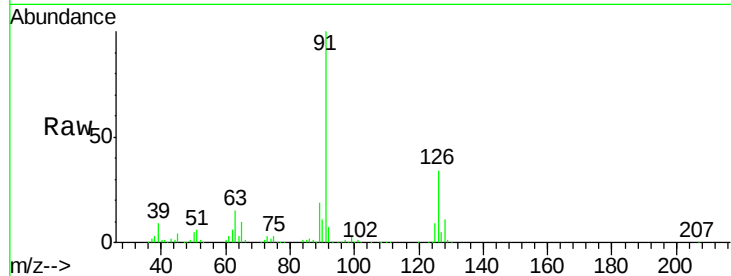




#79
 2-Chlorotoluene
 Concen: 47.452 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

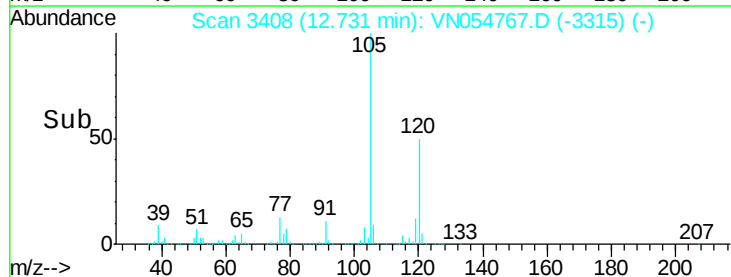
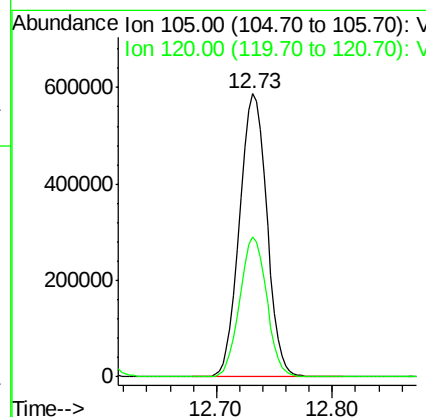
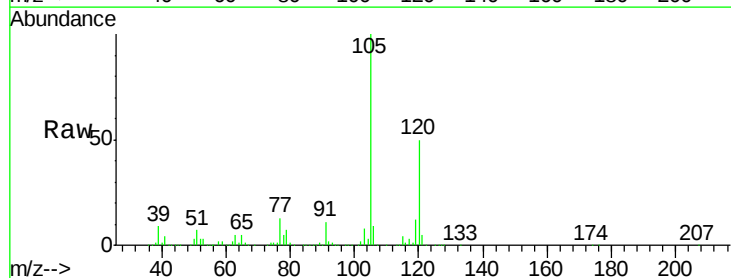
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN032919

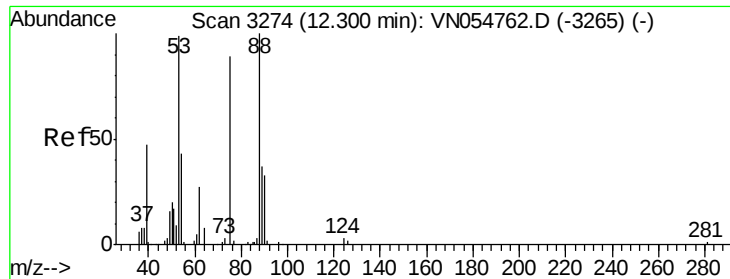
Tgt Ion: 91 Resp: 776715
 Ion Ratio Lower Upper
 91 100
 126 34.2 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.399 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion: 105 Resp: 955972
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.0 75.0

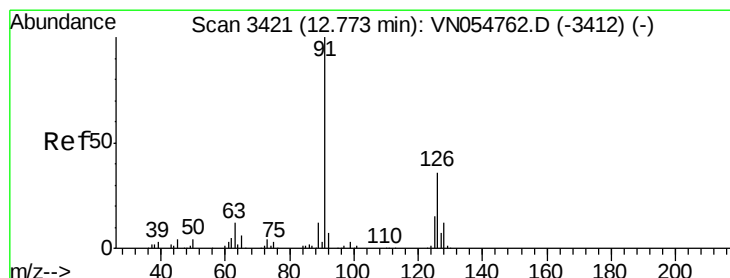
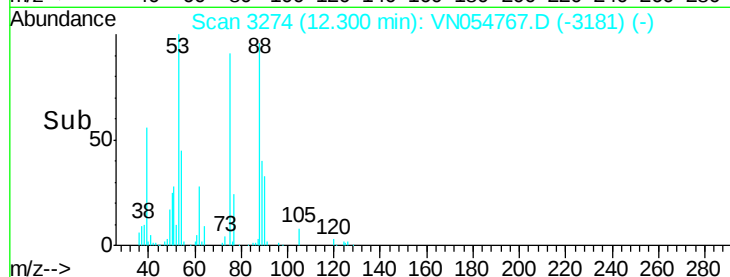
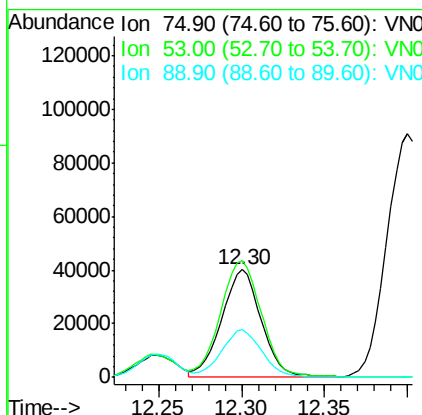
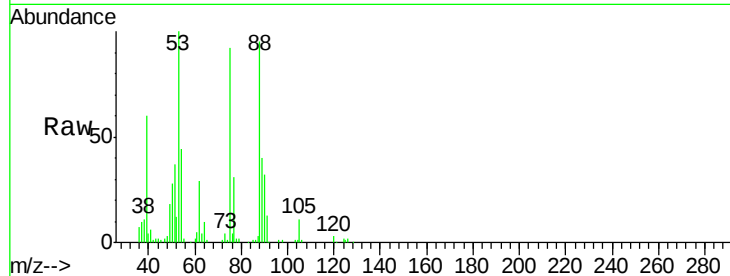




#81
trans-1,4-Dichloro-2-butene
Concen: 49.517 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

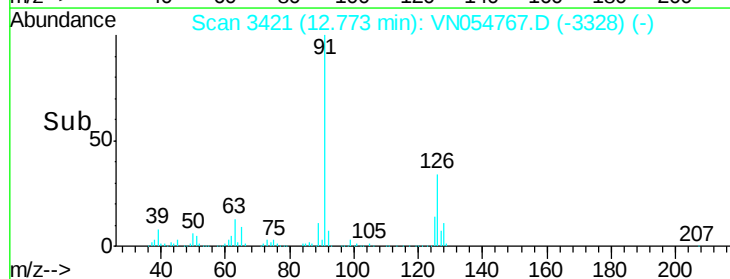
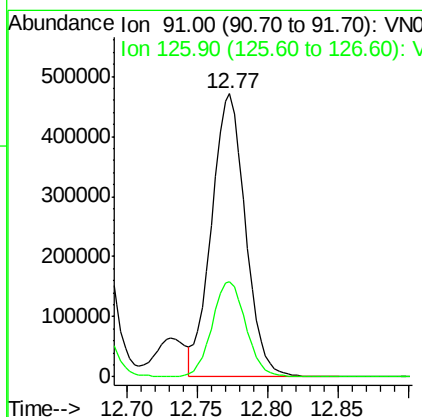
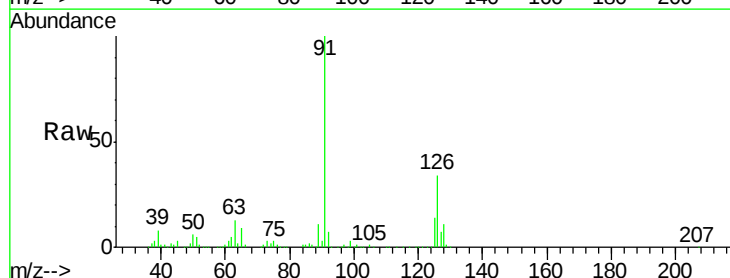
Instrument :
MSVOA_N
ClientSampleId :
ICVVN032919

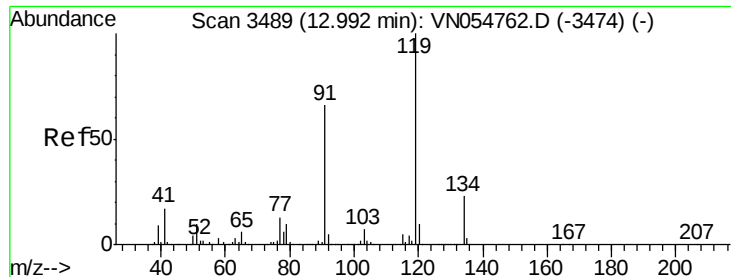
Tgt Ion: 75 Resp: 65132
Ion Ratio Lower Upper
75 100
53 116.3 76.2 114.2#
89 46.1 39.2 58.8



#82
4-Chlorotoluene
Concen: 49.194 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054767.D
Acq: 29 Mar 2019 13:41

Tgt Ion: 91 Resp: 782118
Ion Ratio Lower Upper
91 100
126 33.8 18.1 54.1

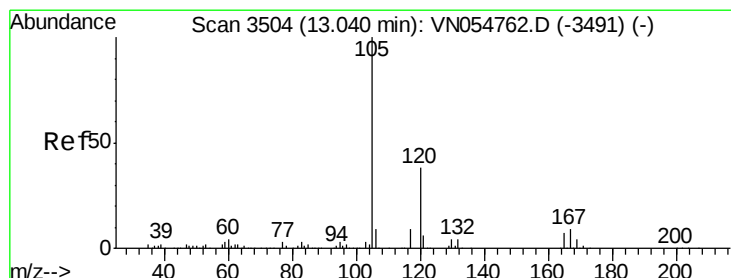
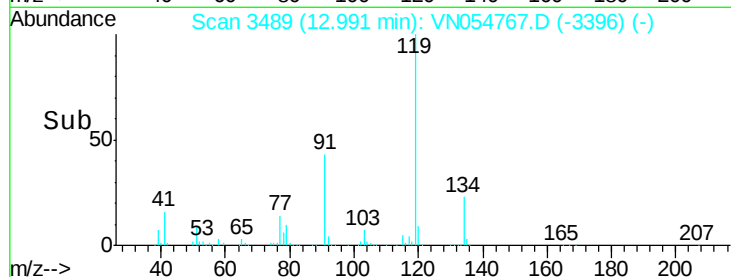
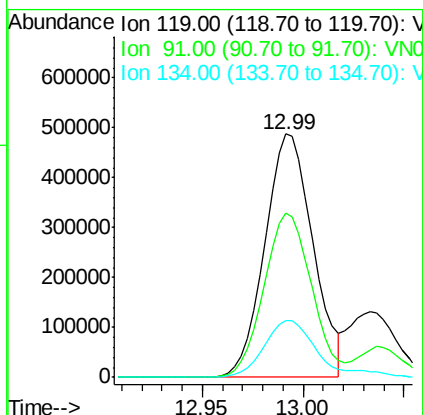
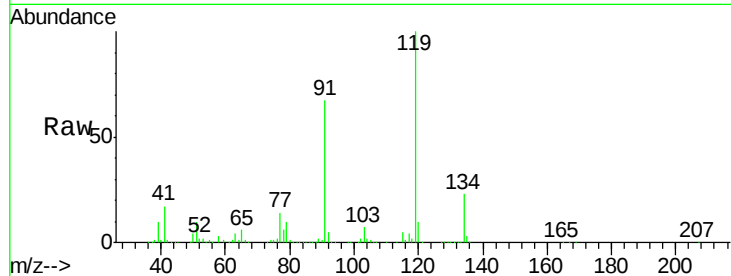




#83
 tert-Butylbenzene
 Concen: 52.894 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

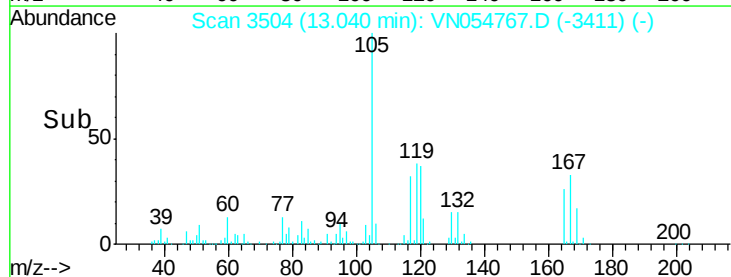
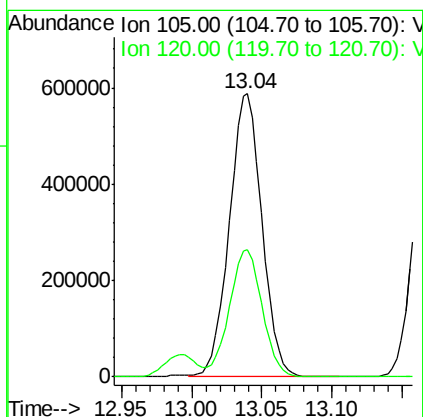
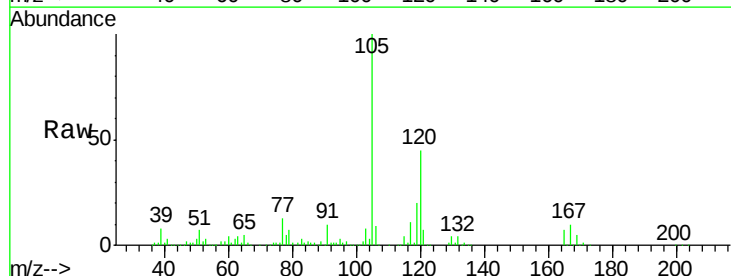
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

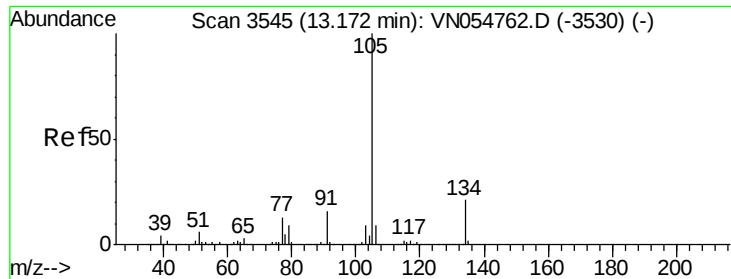
Tgt Ion:119 Resp: 807646
 Ion Ratio Lower Upper
 119 100
 91 66.7 30.9 92.8
 134 26.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.396 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion:105 Resp: 948333
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.4 70.3

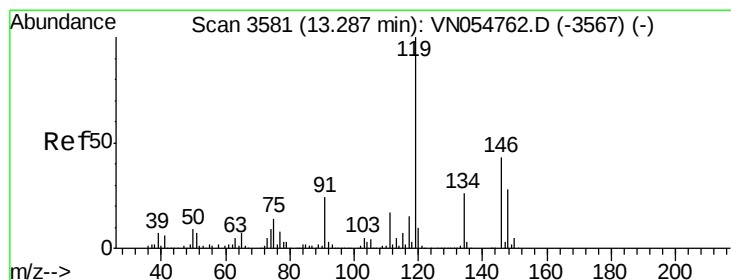
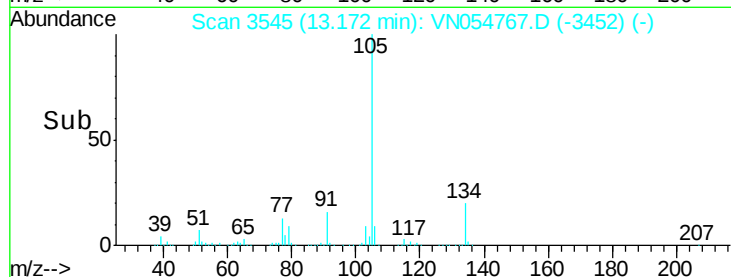
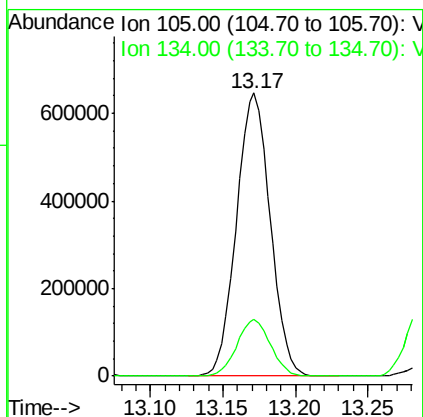
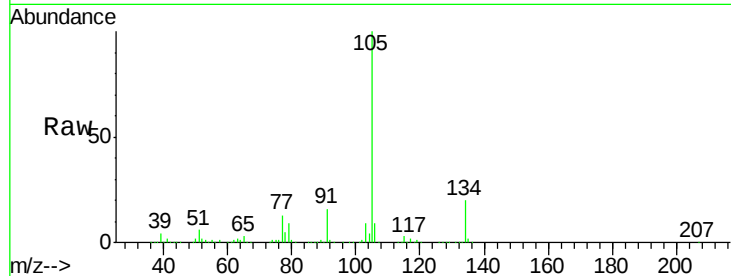




#85
 sec-Butylbenzene
 Concen: 48.766 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

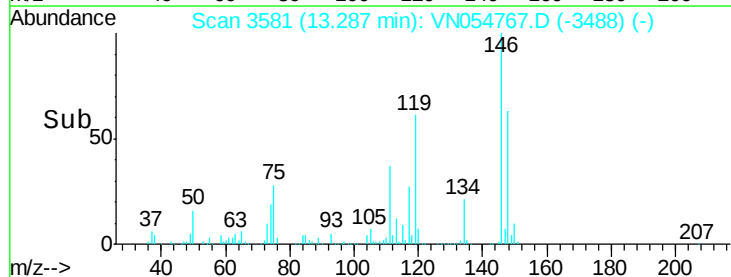
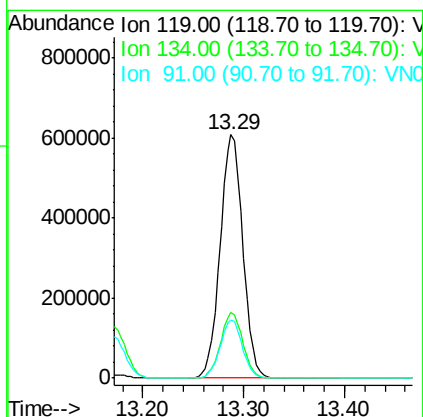
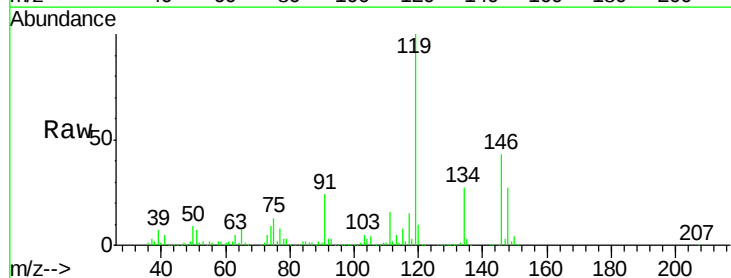
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

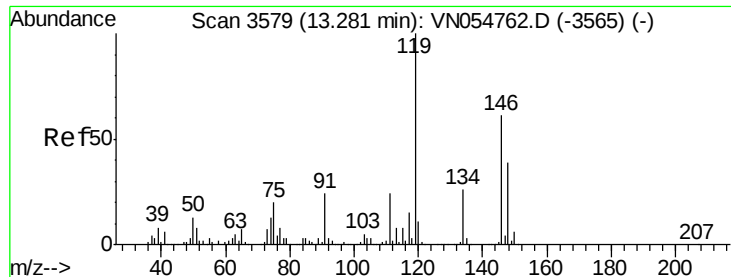
Tgt Ion:105 Resp: 1046348
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 50.342 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion:119 Resp: 952703
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.6 40.8
 91 23.4 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 50.193 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

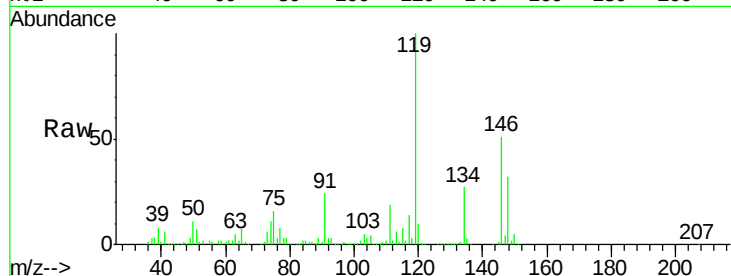
Tgt Ion:146 Resp: 488215

Ion Ratio Lower Upper

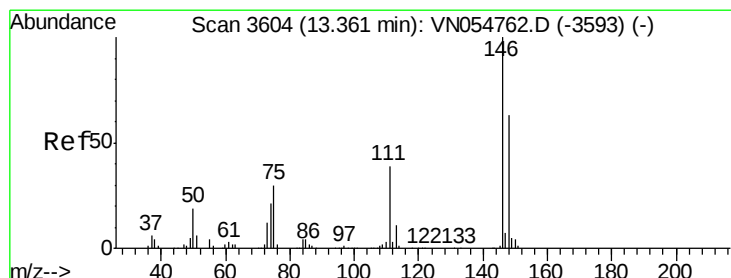
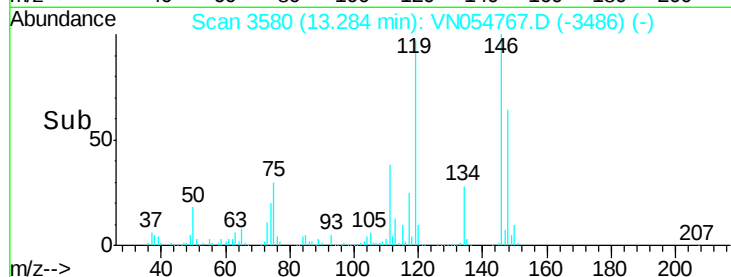
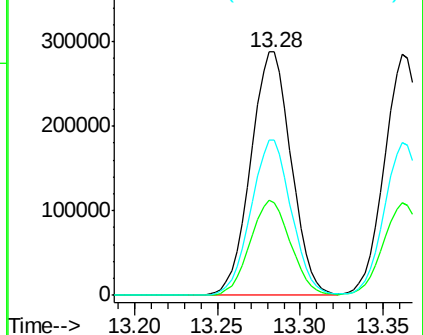
146 100

111 38.9 18.8 56.3

148 63.7 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: 49.396 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

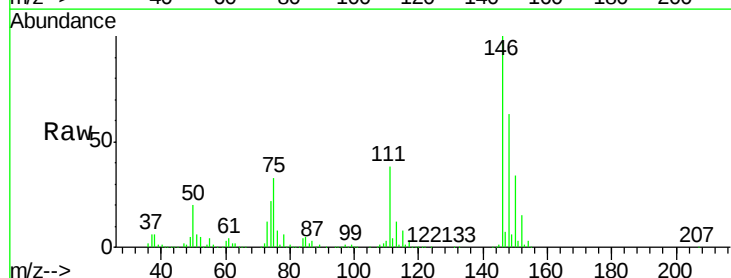
Tgt Ion:146 Resp: 471245

Ion Ratio Lower Upper

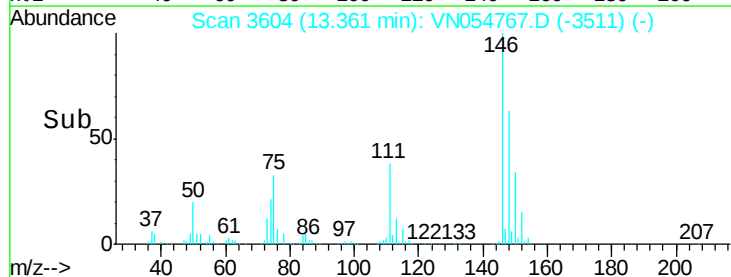
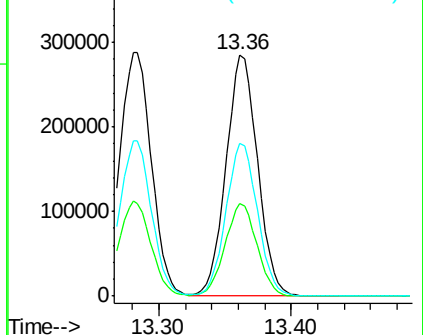
146 100

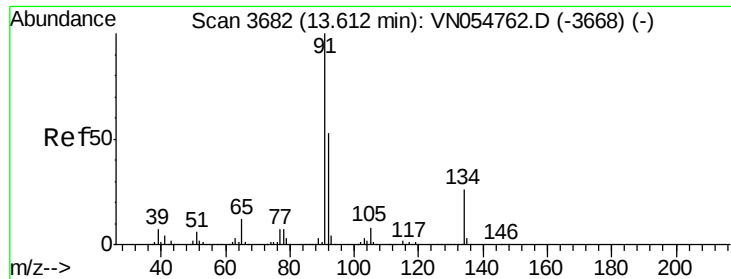
111 38.7 18.1 54.1

148 63.5 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: 53.193 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

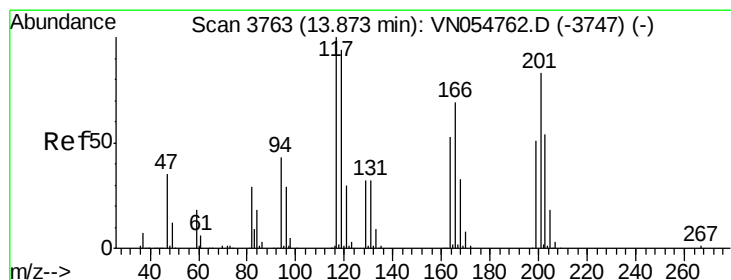
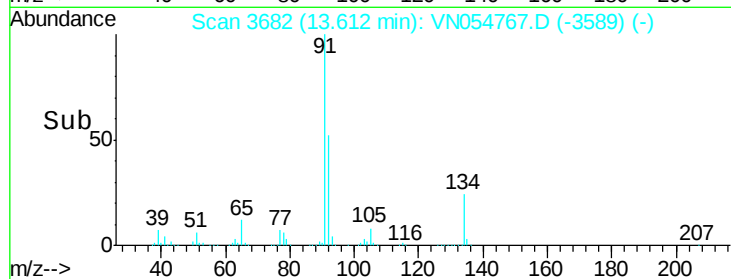
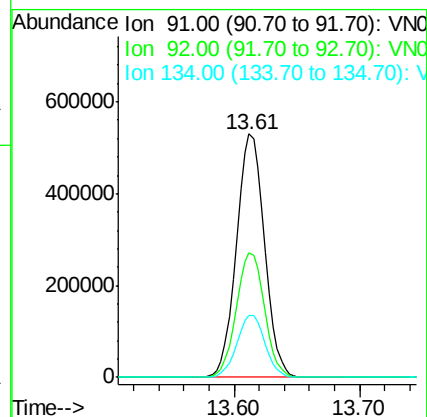
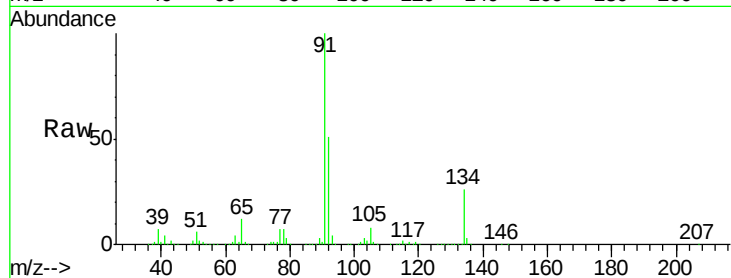
Tgt Ion: 91 Resp: 821319

Ion Ratio Lower Upper

91 100

92 51.5 26.2 78.6

134 25.5 14.3 42.9



#90

Hexachloroethane

Concen: 47.974 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054767.D

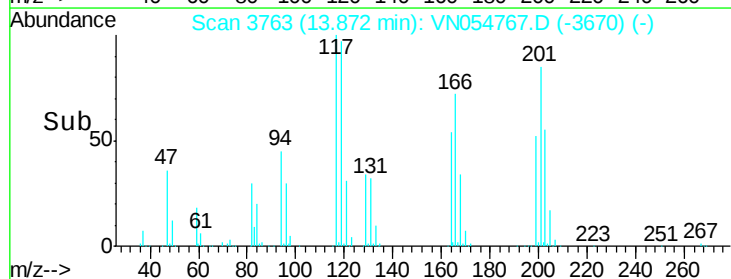
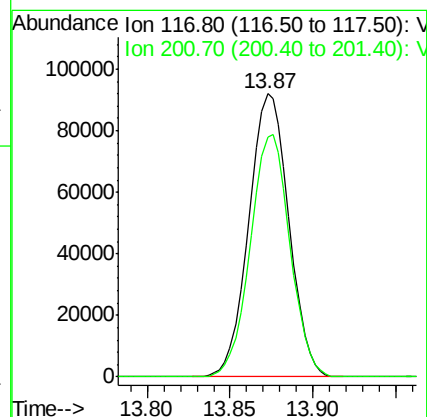
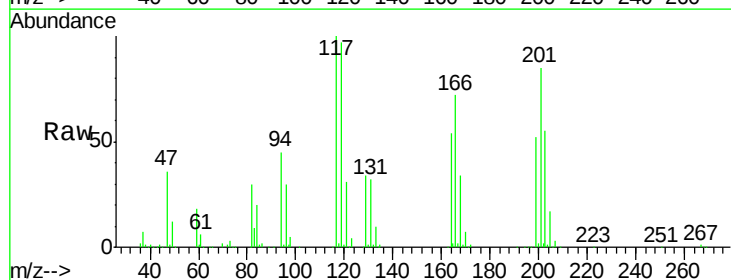
Acq: 29 Mar 2019 13:41

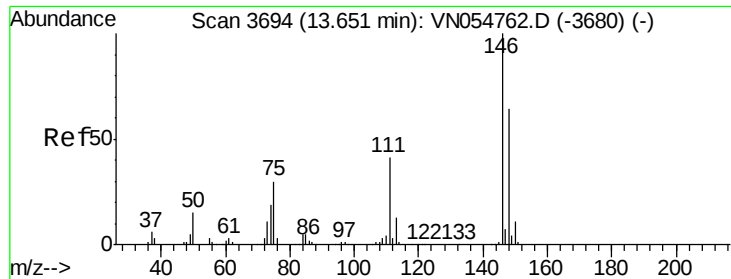
Tgt Ion: 117 Resp: 154145

Ion Ratio Lower Upper

117 100

201 84.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 48.390 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

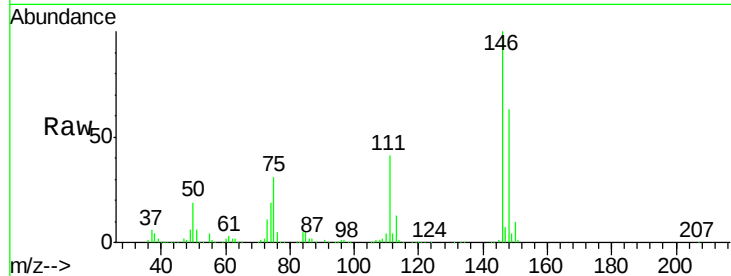
Tgt Ion:146 Resp: 475027

Ion Ratio Lower Upper

146 100

111 40.8 19.1 57.3

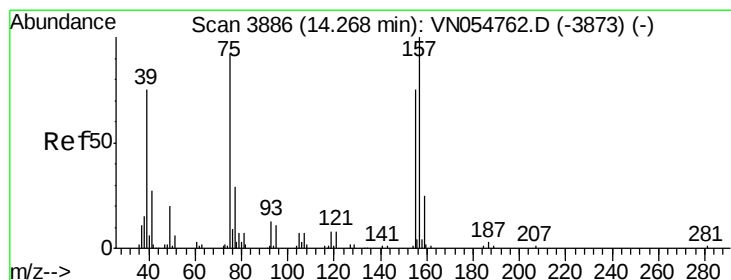
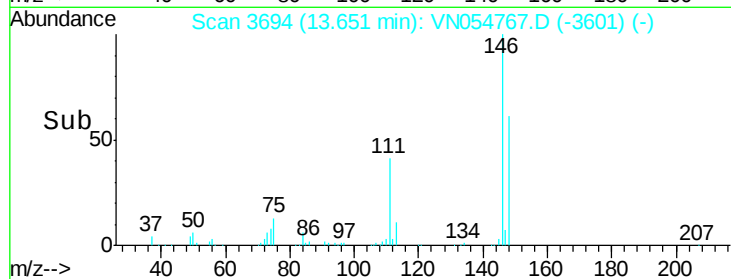
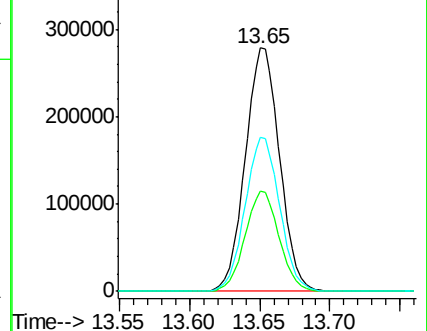
148 63.6 32.4 97.0



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: 51.368 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

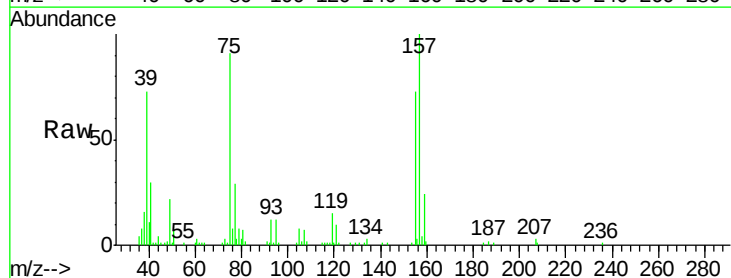
Tgt Ion: 75 Resp: 42272

Ion Ratio Lower Upper

75 100

155 80.0 50.1 150.3

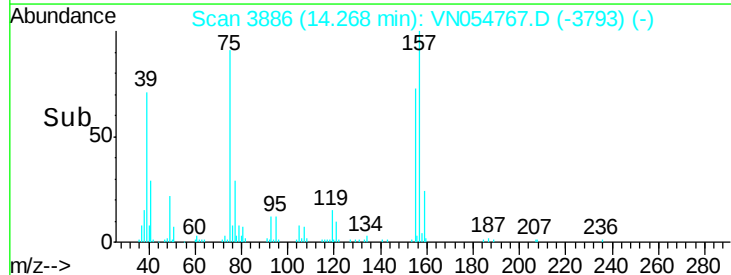
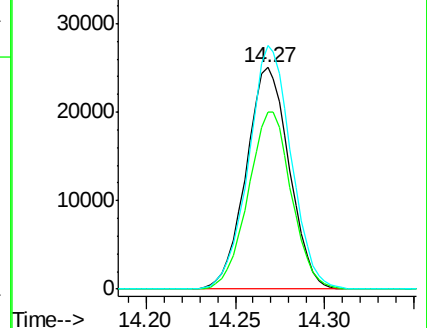
157 108.6 63.1 189.3

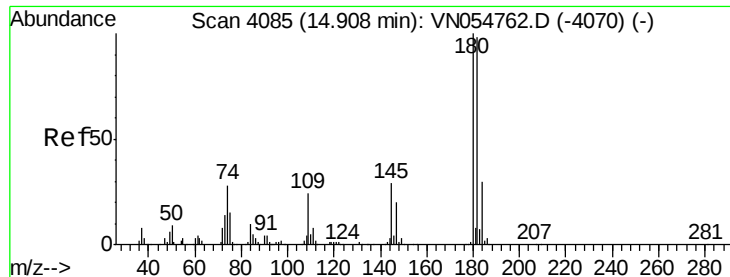


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

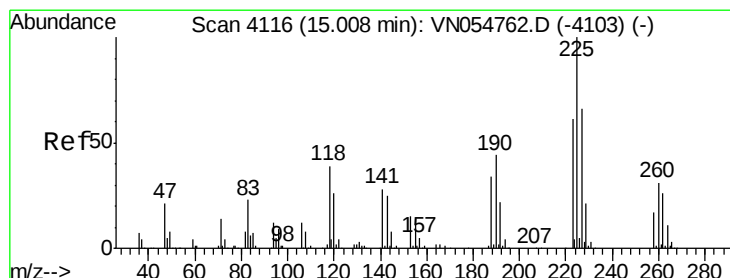
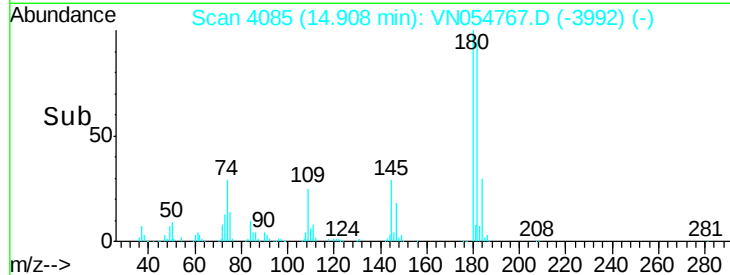
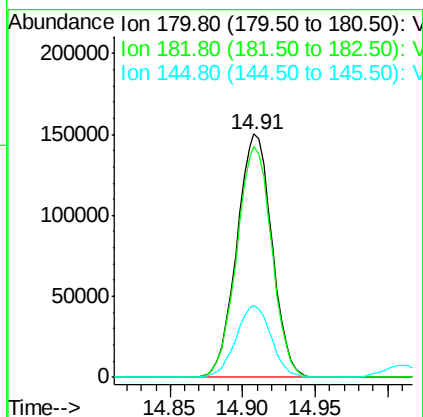
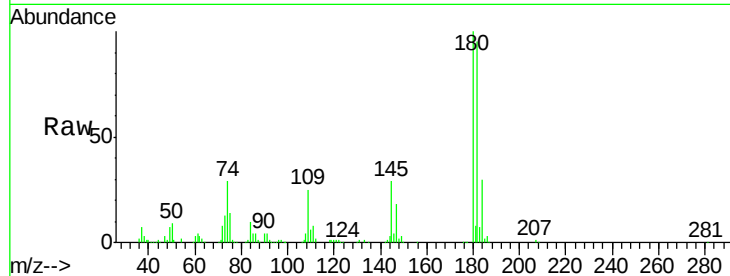




#93
 1,2,4-Trichlorobenzene
 Concen: 53.261 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

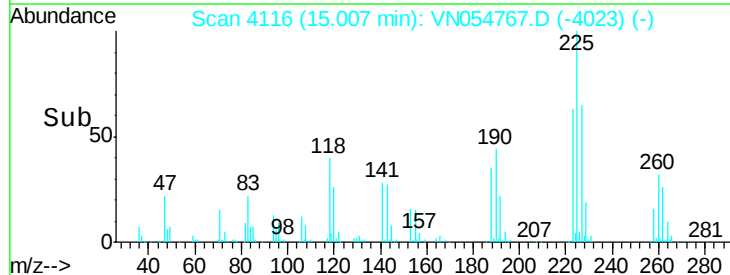
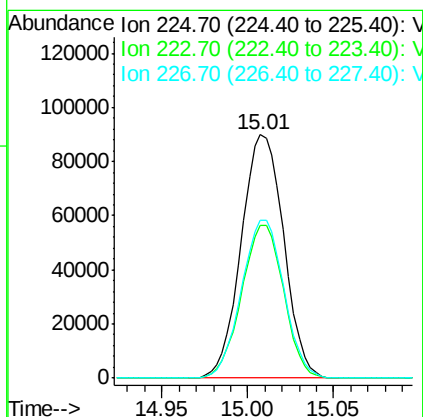
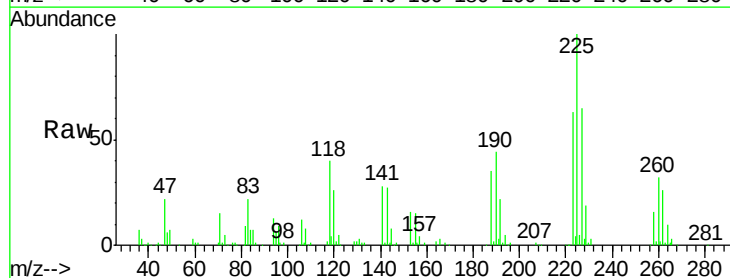
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

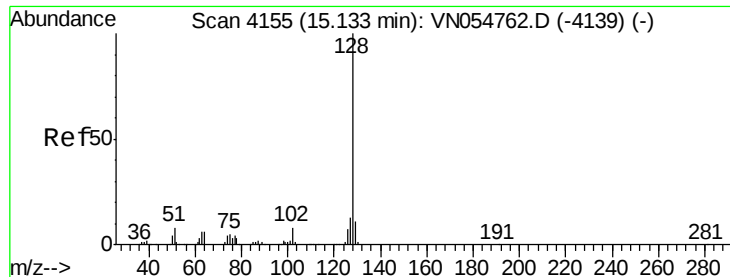
Tgt Ion:180 Resp: 252063
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.0 144.2
 145 29.3 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 55.206 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054767.D
 Acq: 29 Mar 2019 13:41

Tgt Ion:225 Resp: 154118
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.5
 227 64.8 31.9 95.9





#95

Naphthalene

Concen: 50.277 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN032919

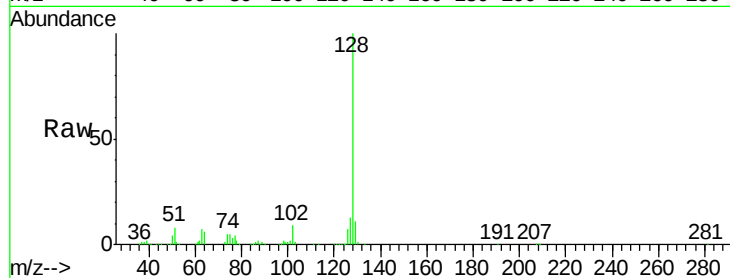
Tgt Ion:128 Resp: 533658

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

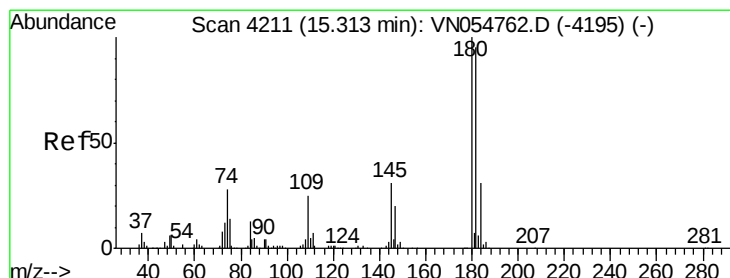
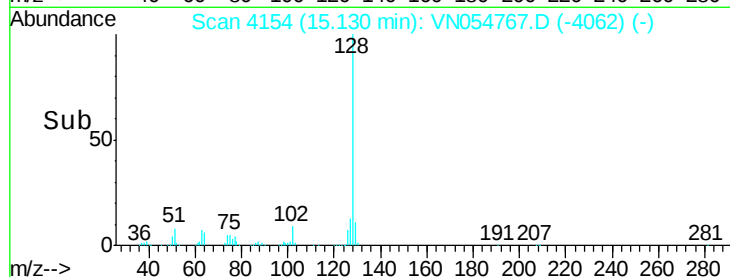
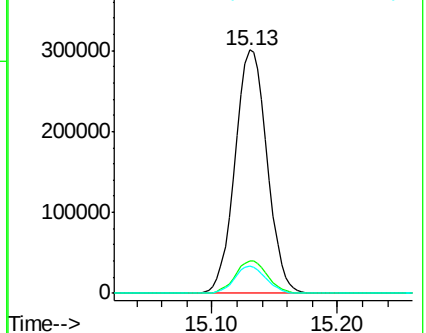
129 11.0 8.7 13.1



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: 51.439 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054767.D

Acq: 29 Mar 2019 13:41

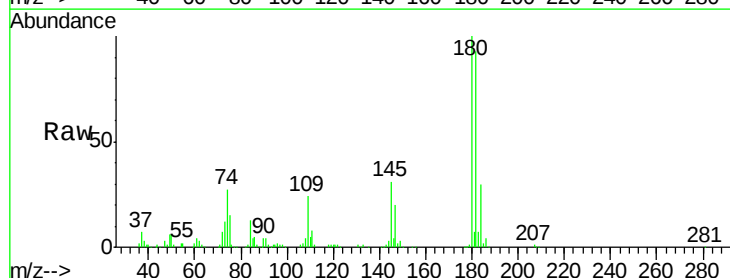
Tgt Ion:180 Resp: 245859

Ion Ratio Lower Upper

180 100

182 93.3 47.5 142.6

145 30.8 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

