

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059174.D
 Acq On : 11 Nov 2019 20:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 12 00:46:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	449255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	712353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	657154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	283643	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.57	113	220233	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.08	98	839755	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	308251	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	194020	42.864	ug/l	99
3) Chloromethane	2.04	50	271221	44.080	ug/l	100
4) Vinyl Chloride	2.17	62	276874	46.413	ug/l	100
5) Bromomethane	2.53	94	153705	44.775	ug/l	100
6) Chloroethane	2.67	64	166487	47.179	ug/l	99
7) Trichlorofluoromethane	2.99	101	335377	47.003	ug/l	97
8) Diethyl Ether	3.39	74	132684	45.765	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	194902	45.303	ug/l	99
10) Methyl Iodide	3.92	142	253849	47.670	ug/l	99
11) Tert butyl alcohol	4.76	59	286822	272.523	ug/l	99
12) 1,1-Dichloroethene	3.71	96	190872	45.545	ug/l	99
13) Acrolein	3.58	56	110691	203.989	ug/l	100
14) Allyl chloride	4.30	41	388082	45.081	ug/l	97
15) Acrylonitrile	4.96	53	695045	265.362	ug/l	99
16) Acetone	3.79	43	635151	221.168	ug/l	99
17) Carbon Disulfide	4.03	76	535657	41.175	ug/l	99
18) Methyl Acetate	4.30	43	366592	53.780	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	720029	49.903	ug/l	99
20) Methylene Chloride	4.52	84	238592	47.688	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	208119	46.265	ug/l	96
22) Diisopropyl ether	5.93	45	806468	49.597	ug/l	99
23) Vinyl Acetate	5.87	43	3365218	267.038	ug/l	100
24) 1,1-Dichloroethane	5.82	63	435025	47.901	ug/l	99
25) 2-Butanone	6.81	43	975397	257.709	ug/l	99
26) 2,2-Dichloropropane	6.80	77	347235	43.726	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	248168	47.551	ug/l	100
28) Bromochloromethane	7.17	49	131563	48.151	ug/l	100
29) Tetrahydrofuran	7.19	42	646081	268.651	ug/l	99
30) Chloroform	7.35	83	429099	49.254	ug/l	99
31) Cyclohexane	7.63	56	370831	43.132	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	364335	49.742	ug/l	99
36) 1,1-Dichloropropene	7.77	75	310941	46.699	ug/l	100
37) Ethyl Acetate	6.90	43	384356	51.889	ug/l	100
38) Carbon Tetrachloride	7.75	117	315805	47.653	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	356462	46.128	ug/l	100
40) Benzene	8.02	78	959266	47.842	ug/l	100
41) Methacrylonitrile	7.18	41	566933	176.011	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	346430	50.376	ug/l	98
43) Isopropyl Acetate	8.14	43	607161	51.415	ug/l	99
44) Trichloroethene	8.82	130	229015	46.464	ug/l	99
45) 1,2-Dichloropropane	9.10	63	266709	48.972	ug/l	99
46) Dibromomethane	9.19	93	166056	48.930	ug/l	99
47) Bromodichloromethane	9.39	83	342258	50.504	ug/l	98
48) Methyl methacrylate	9.18	41	278690	52.761	ug/l	98
49) 1,4-Dioxane	9.18	88	103355	1101.020	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1970708	294.933	ug/l	99
52) Toluene	10.15	92	587721	48.904	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	386092	49.313	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	409110	48.577	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	240194	49.385	ug/l	99
56) Ethyl methacrylate	10.42	69	384500	47.495	ug/l	97
57) 1,3-Dichloropropane	10.70	76	419903	50.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	770851	284.783	ug/l	100
59) 2-Hexanone	10.74	43	1494341	291.371	ug/l	100
60) Dibromochloromethane	10.90	129	263077	51.159	ug/l	100
61) 1,2-Dibromoethane	11.00	107	249749	50.724	ug/l	99
64) Tetrachloroethene	10.63	164	203630	45.570	ug/l	99
65) Chlorobenzene	11.43	112	624671	48.762	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237141	49.348	ug/l	98
67) Ethyl Benzene	11.51	91	1139631	50.141	ug/l	99
68) m/p-Xylenes	11.62	106	848282	99.635	ug/l	99
69) o-Xylene	11.95	106	408770	49.681	ug/l	99
70) Styrene	11.96	104	684176	52.872	ug/l	100
71) Bromoform	12.13	173	195107	52.197	ug/l #	98
73) Isopropylbenzene	12.25	105	1103904	47.855	ug/l	100
74) N-amyl acetate	12.07	43	515473	52.735	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	386663	49.221	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	519496	71.954	ug/l #	100
77) Bromobenzene	12.53	156	270173	46.617	ug/l	99
78) n-propylbenzene	12.59	91	1304229	49.379	ug/l	100
79) 2-Chlorotoluene	12.67	91	775722	47.343	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	949268	48.564	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	136556	49.957	ug/l	98
82) 4-Chlorotoluene	12.77	91	795632	48.414	ug/l	99
83) tert-Butylbenzene	12.99	119	800426	47.419	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	937627	49.581	ug/l	99
85) sec-Butylbenzene	13.17	105	1076361	49.030	ug/l	100
86) p-Isopropyltoluene	13.29	119	974074	50.251	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	476154	47.978	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	472509	47.585	ug/l	100
89) n-Butylbenzene	13.62	91	840031	49.514	ug/l	99
90) Hexachloroethane	13.88	117	184335	47.358	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	477429	48.903	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83299	53.147	ug/l	98

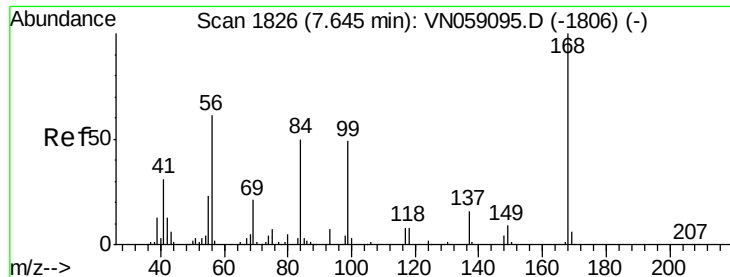
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	267414	45.442	ug/l	99
94) Hexachlorobutadiene	15.01	225	153993	45.746	ug/l	99
95) Naphthalene	15.13	128	772151	47.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	268704	49.112	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

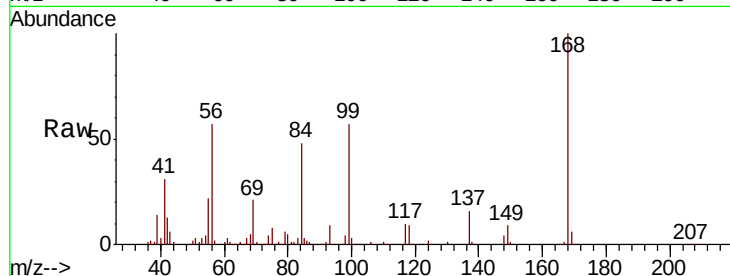
VSTDCCC050EC

Tot Ion:168 Resp: 449255

Ion Ratio Lower Upper

168 100

99 56.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

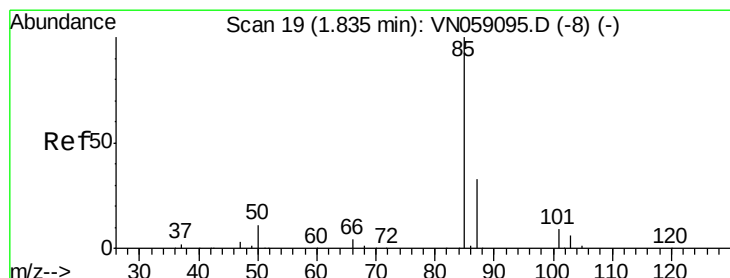
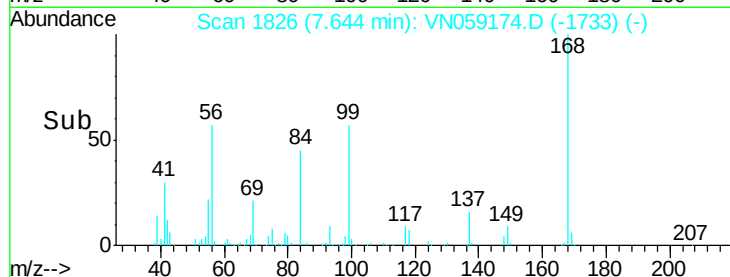
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.864 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059174.D

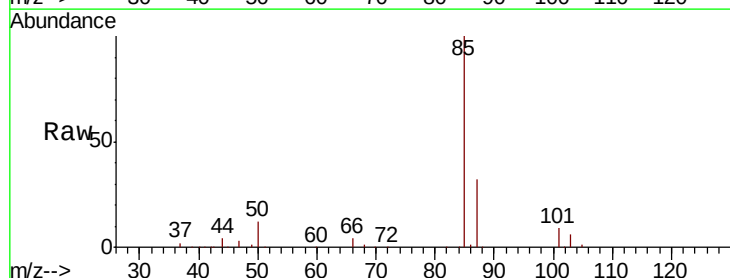
Acq: 11 Nov 2019 20:04

Tgt Ion: 85 Resp: 194020

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

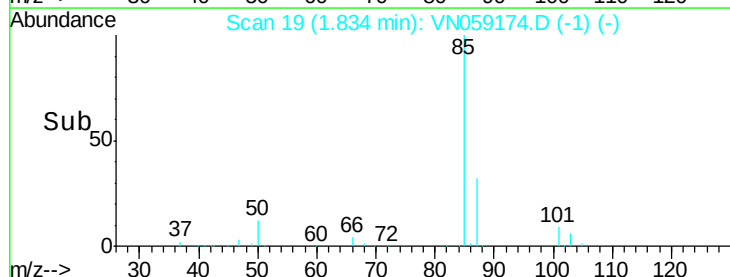
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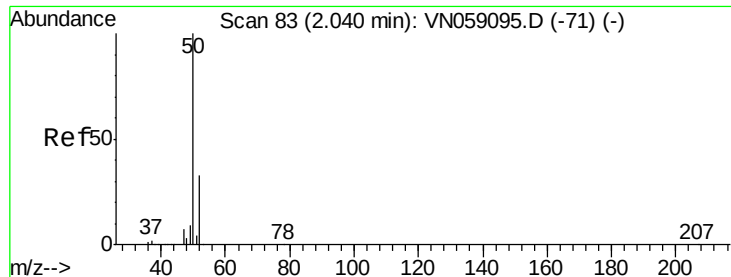
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.080 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

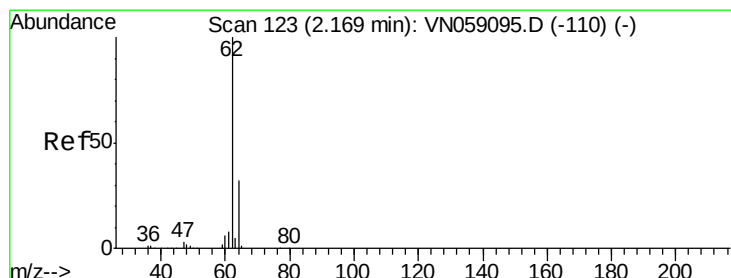
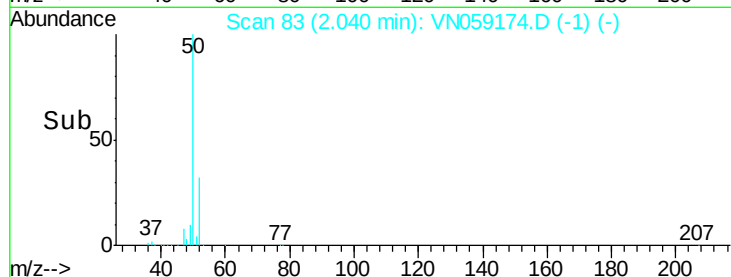
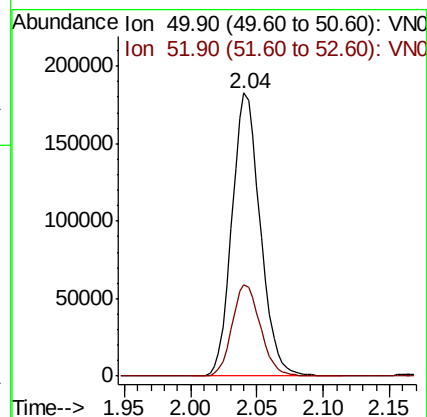
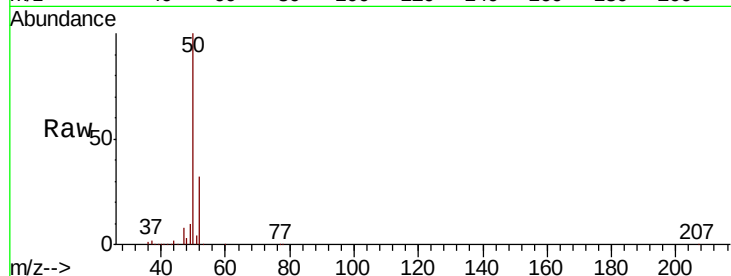
VSTDCCC050EC

Tot Ion: 50 Resp: 271221

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 46.413 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059174.D

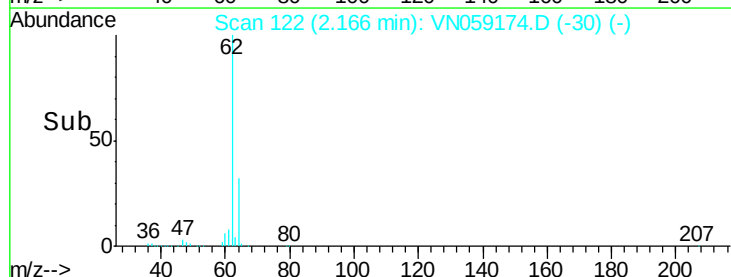
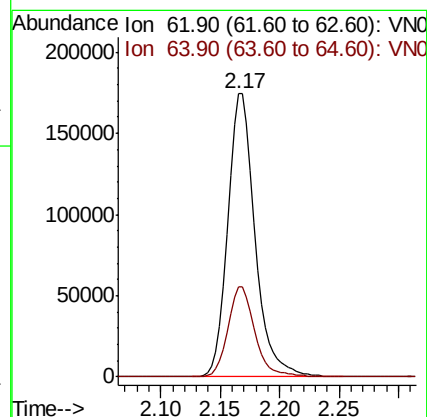
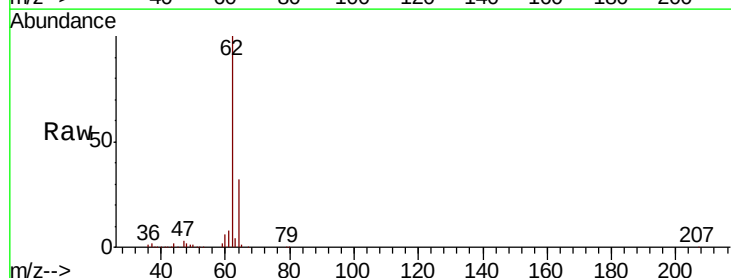
Acq: 11 Nov 2019 20:04

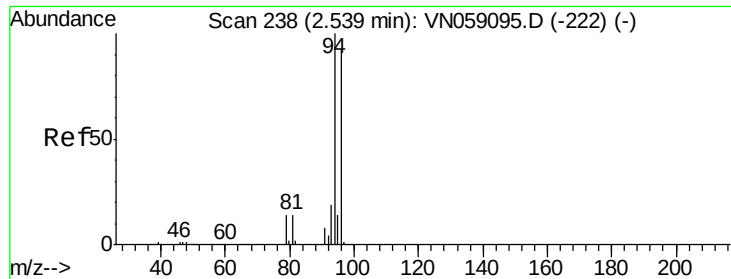
Tgt Ion: 62 Resp: 276874

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 44.775 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

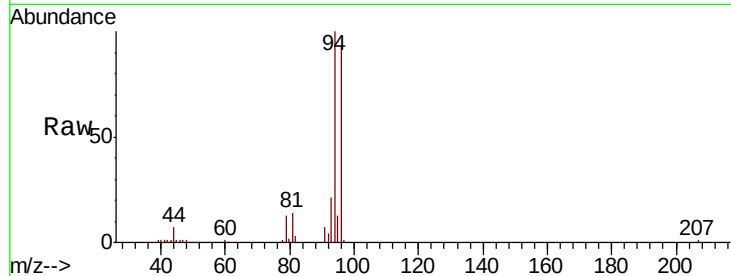
VSTDCCC050EC

Tot Ion: 94 Resp: 153705

Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN059174.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059174.D (-145) (-)

2.53

80000

60000

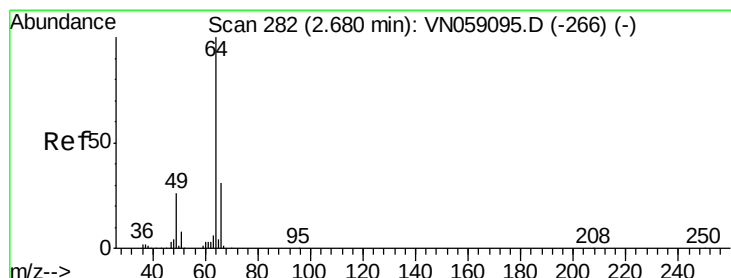
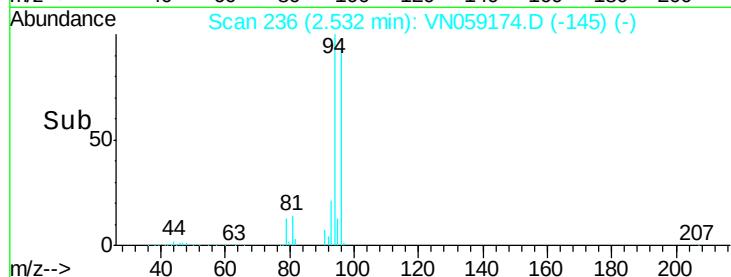
40000

20000

0

Time-->

2.40 2.50 2.60



#6

Chloroethane

Concen: 47.179 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059174.D

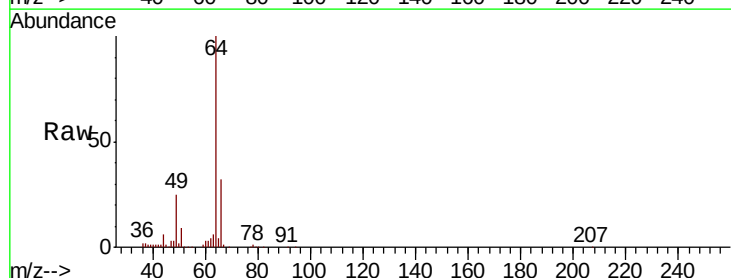
Acq: 11 Nov 2019 20:04

Tgt Ion: 64 Resp: 166487

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059174.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059174.D (-189) (-)

2.67

80000

60000

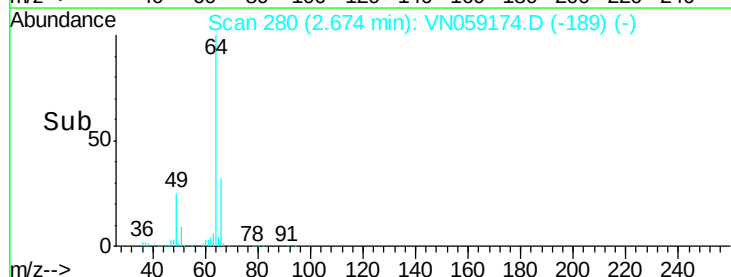
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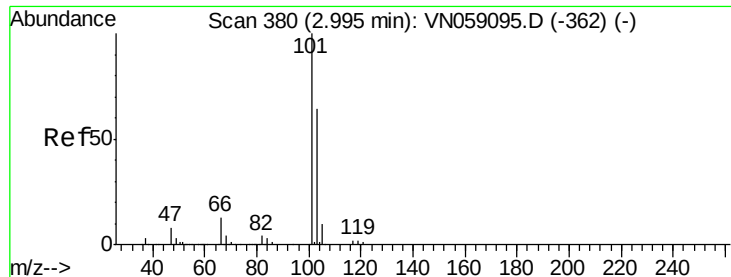
20000

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Time-->

2.60 2.70 2.80



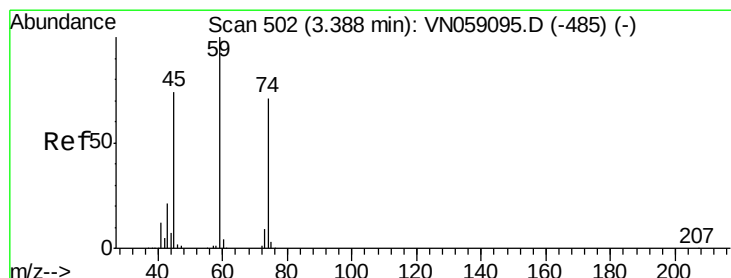
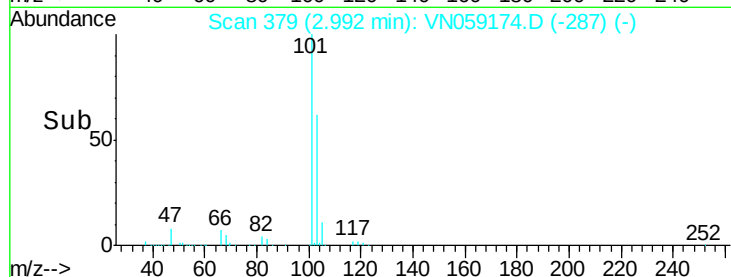
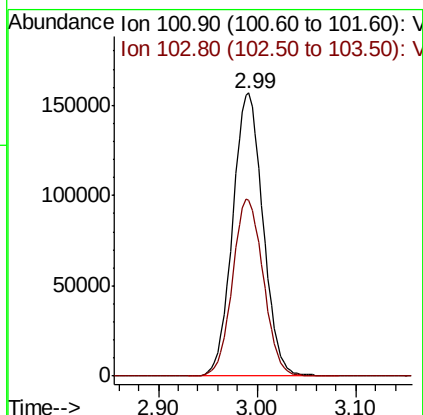
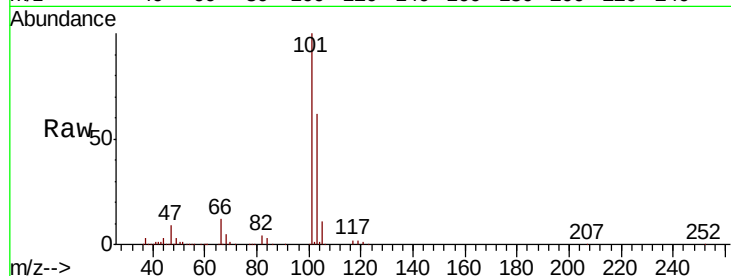


#7

Trichlorofluoromethane
 Concen: 47.003 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Instrument :
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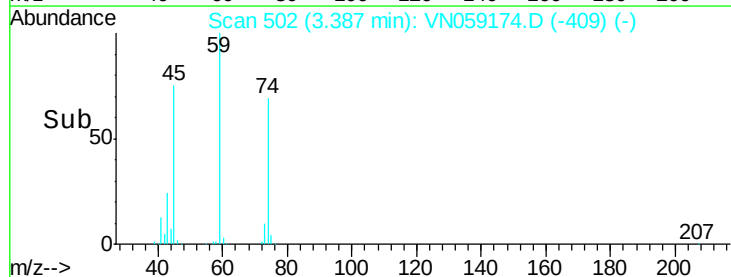
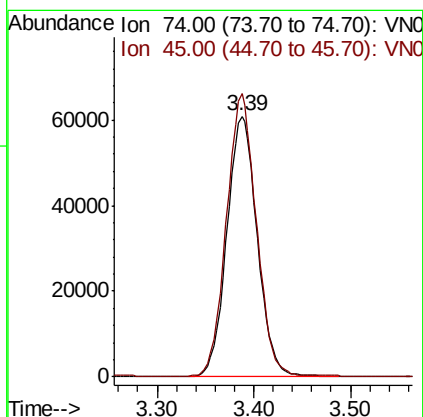
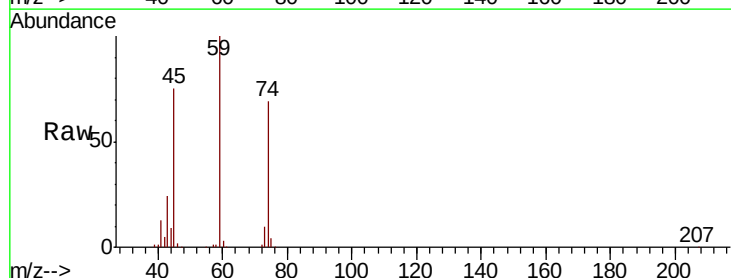
Tot Ion:101 Resp: 335377
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.2 76.8

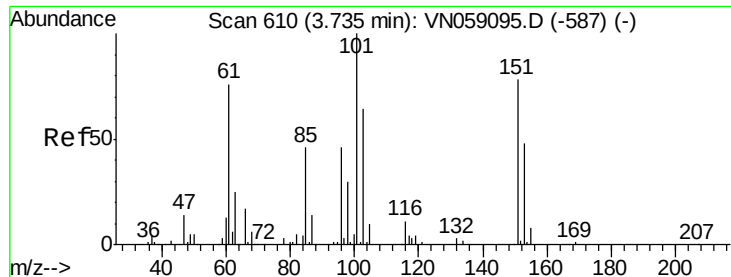


#8

Diethyl Ether
 Concen: 45.765 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion: 74 Resp: 132684
 Ion Ratio Lower Upper
 74 100
 45 107.6 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.303 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

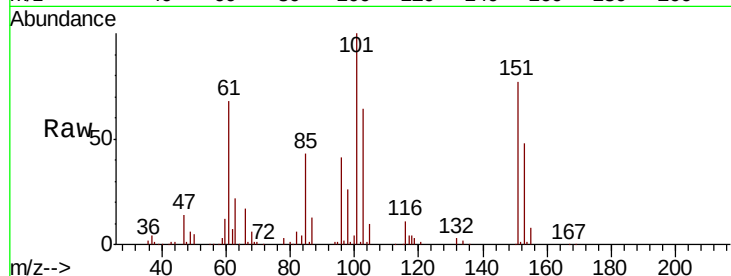
Tot Ion:101 Resp: 194902

Ion Ratio Lower Upper

101 100

85 43.2 35.5 53.3

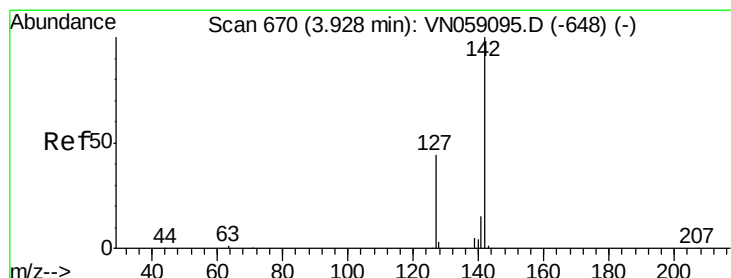
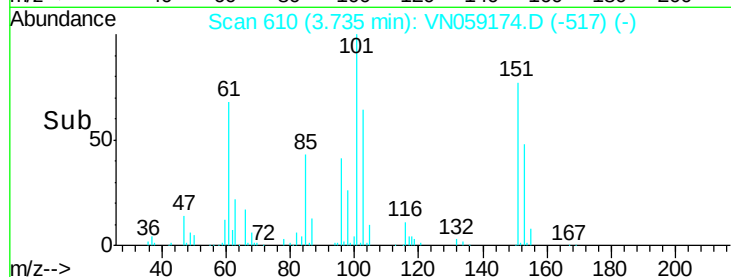
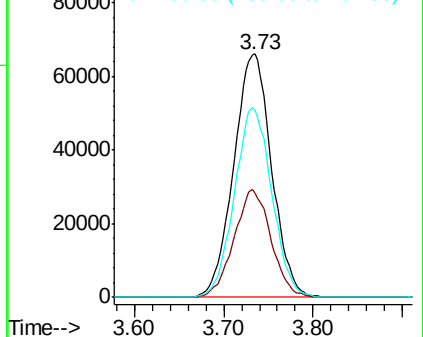
151 76.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.670 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

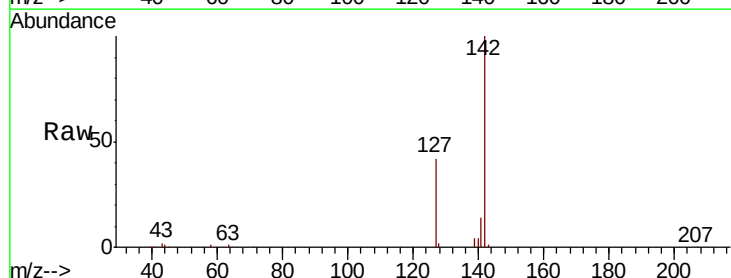
Tgt Ion:142 Resp: 253849

Ion Ratio Lower Upper

142 100

127 43.5 34.2 51.2

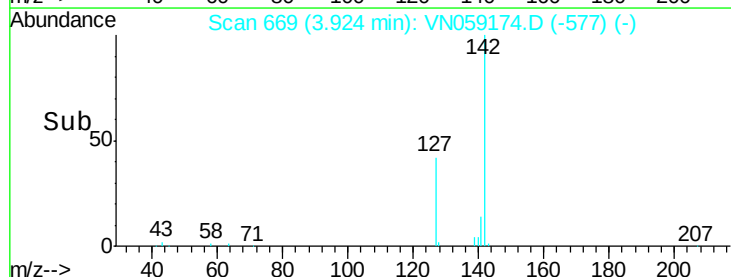
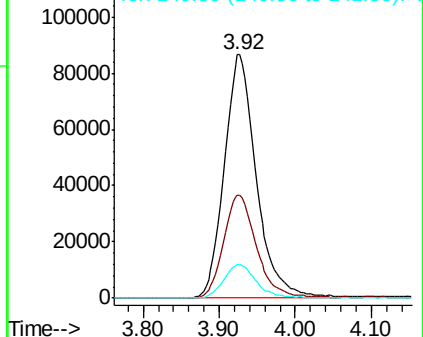
141 13.8 11.4 17.0

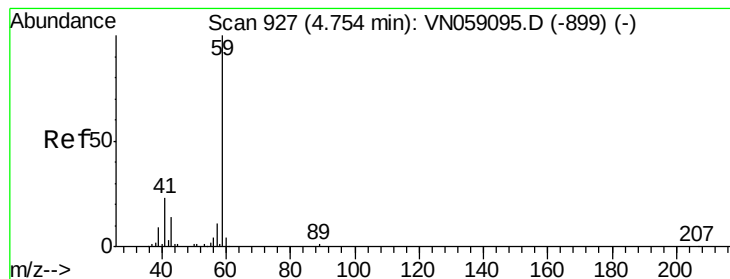


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 272.523 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

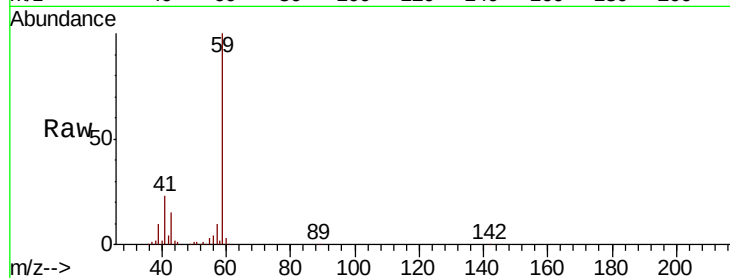
VSTDCCC050EC

Tot Ion: 59 Resp: 286822

Ion Ratio Lower Upper

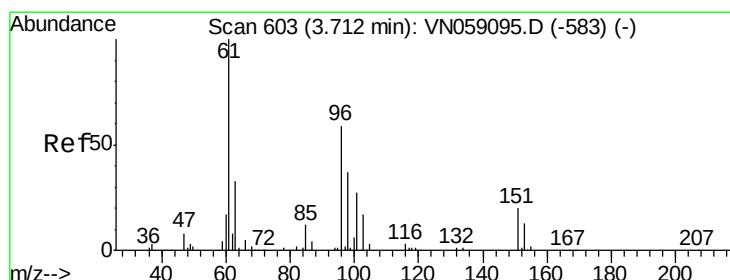
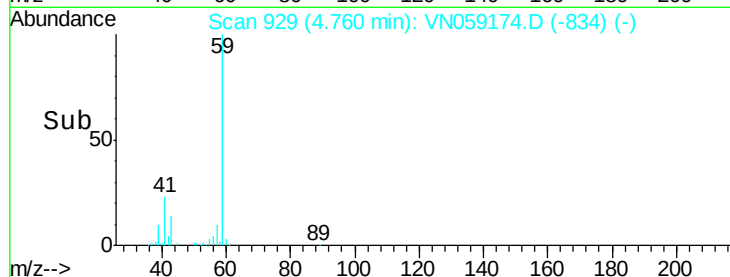
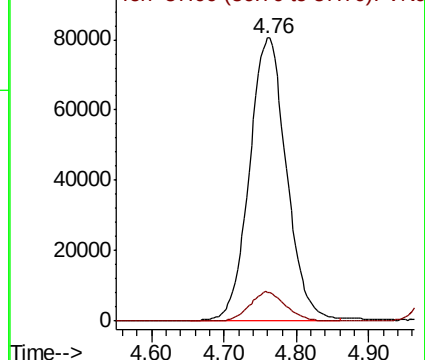
59 100

57 10.0 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 45.545 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

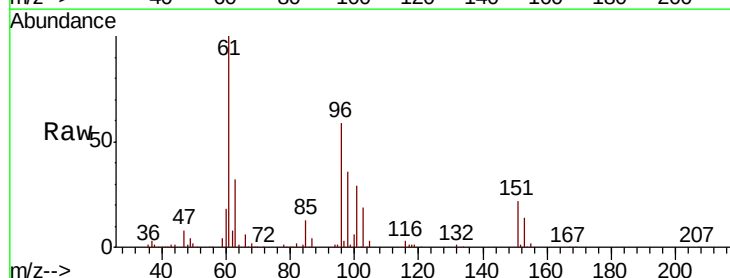
Tgt Ion: 96 Resp: 190872

Ion Ratio Lower Upper

96 100

61 170.2 136.5 204.7

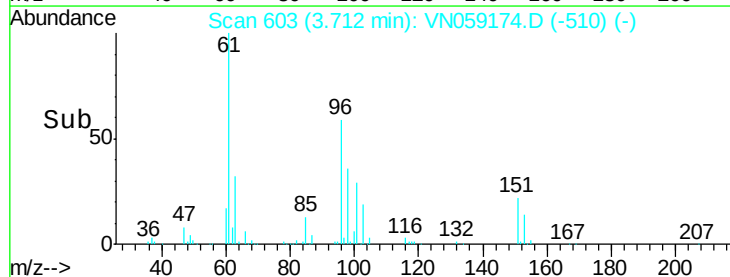
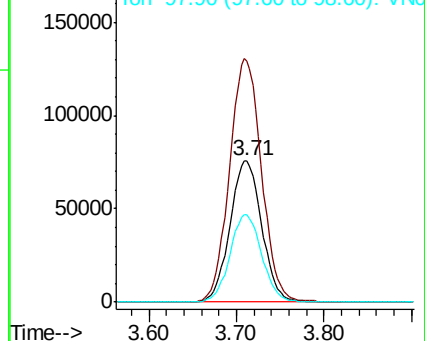
98 61.6 50.2 75.4

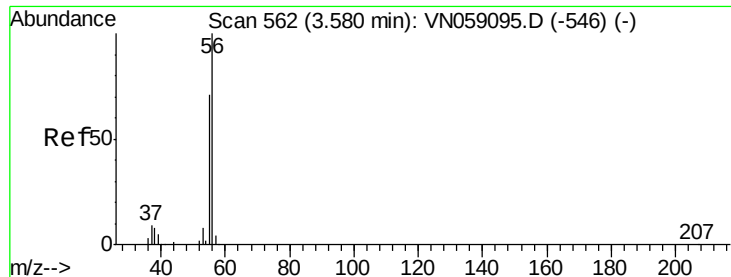


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 203.989 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

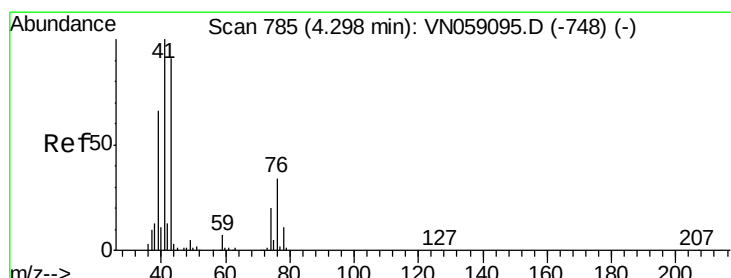
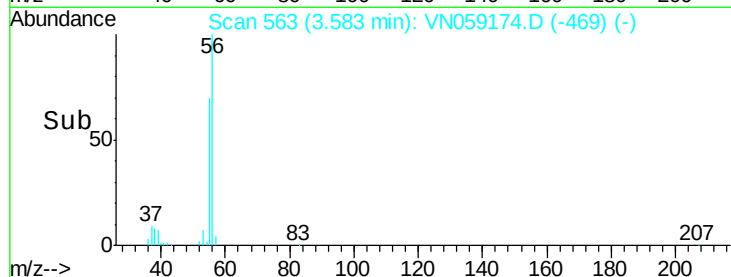
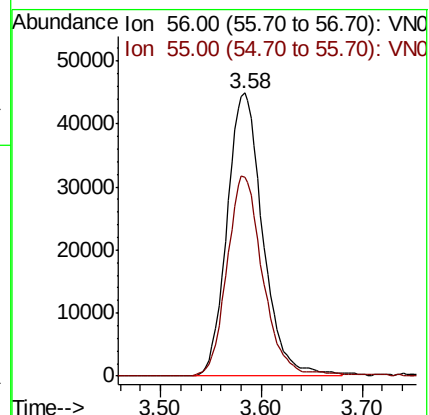
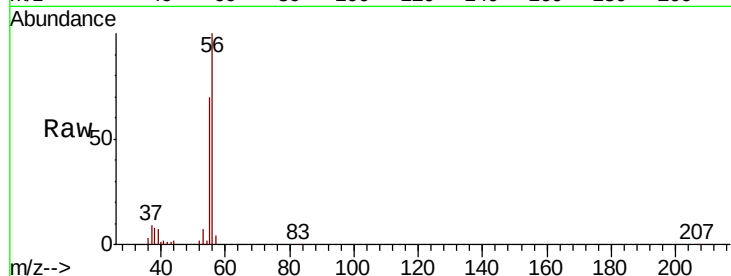
VSTDCCC050EC

Tot Ion: 56 Resp: 110691

Ion Ratio Lower Upper

56 100

55 70.1 56.4 84.6



#14

Allyl chloride

Concen: 45.081 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

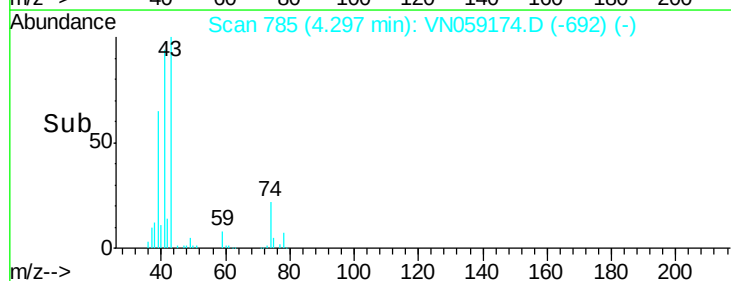
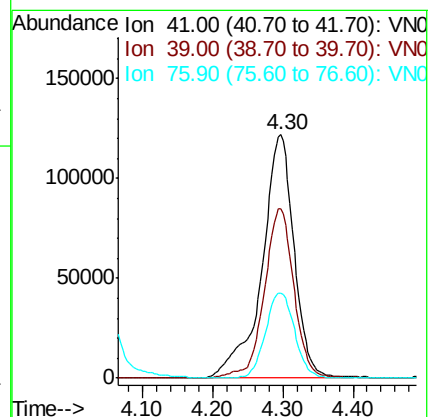
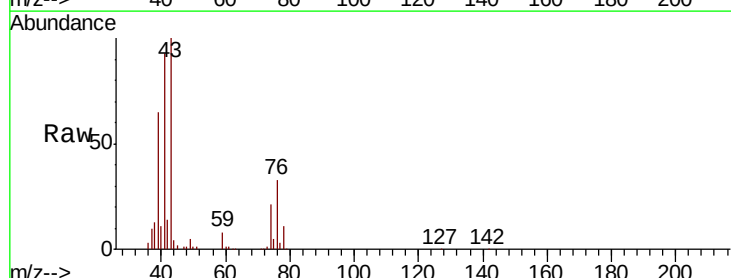
Tgt Ion: 41 Resp: 388082

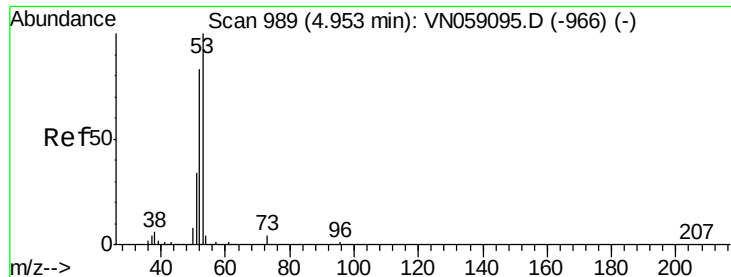
Ion Ratio Lower Upper

41 100

39 64.3 49.1 73.7

76 31.4 24.9 37.3





#15

Acrylonitrile

Concen: 265.362 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

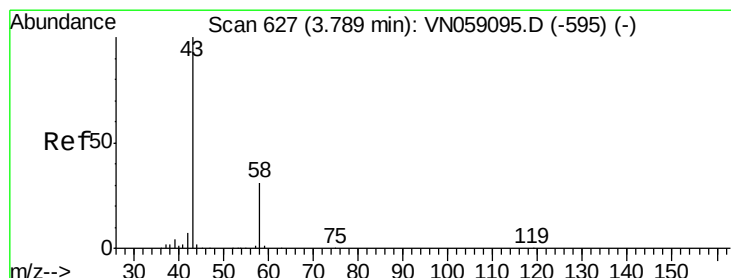
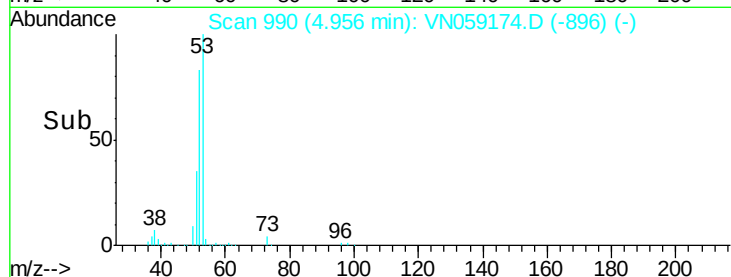
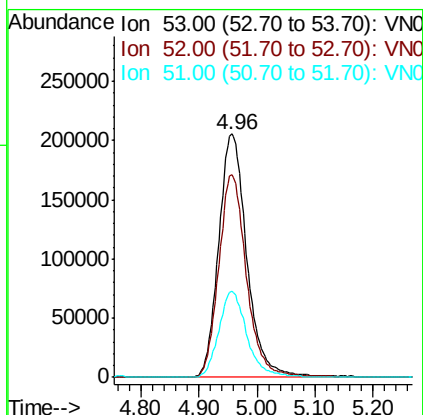
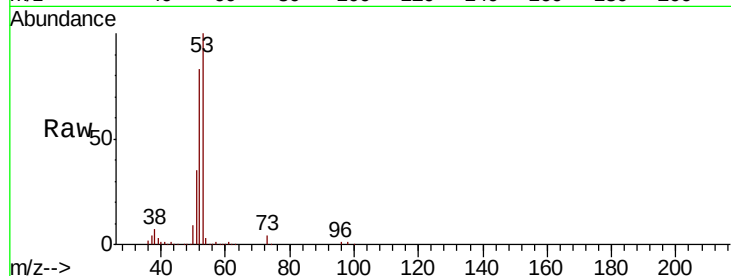
Tot Ion: 53 Resp: 695045

Ion Ratio Lower Upper

53 100

52 82.3 65.0 97.6

51 35.5 28.0 42.0



#16

Acetone

Concen: 221.168 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059174.D

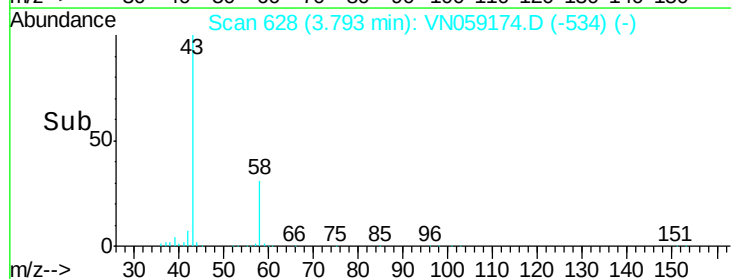
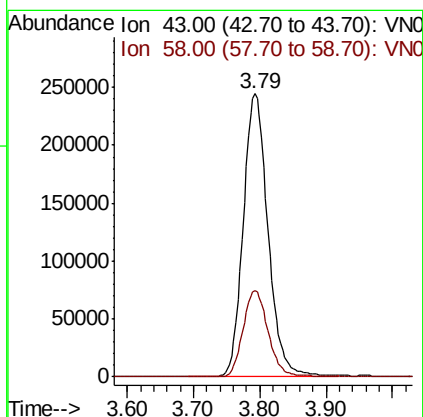
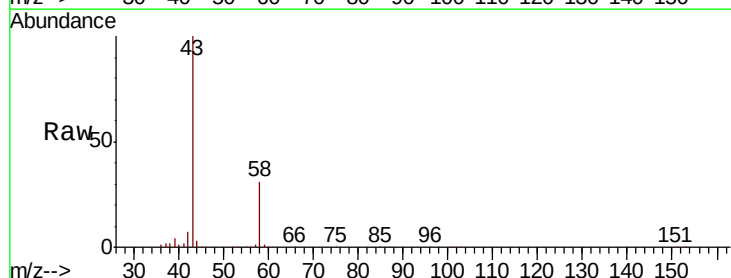
Acq: 11 Nov 2019 20:04

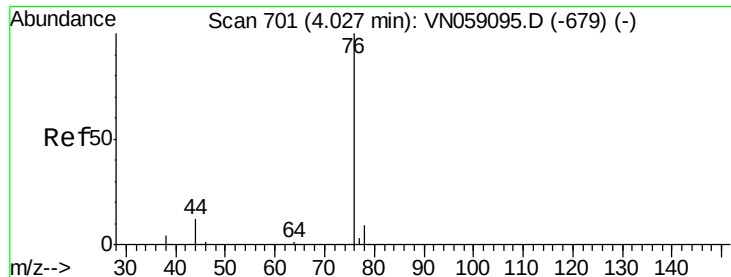
Tgt Ion: 43 Resp: 635151

Ion Ratio Lower Upper

43 100

58 30.5 24.9 37.3





#17

Carbon Disulfide

Concen: 41.175 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

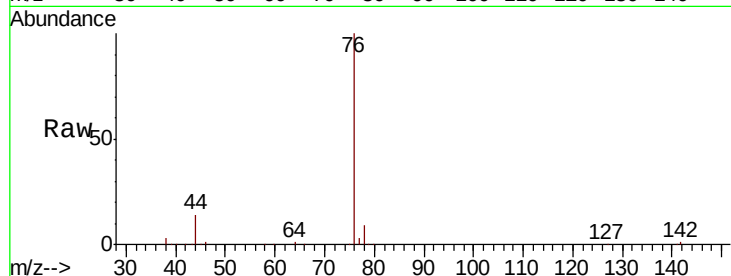
VSTDCCC050EC

Tot Ion: 76 Resp: 535657

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

200000

150000

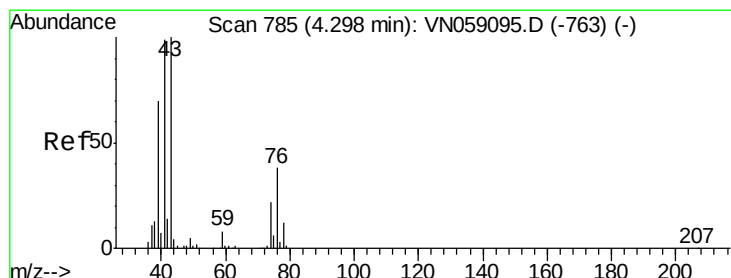
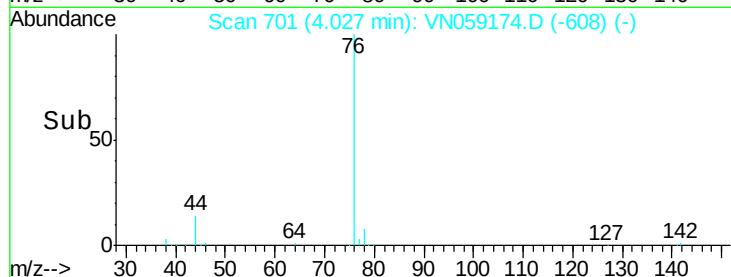
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 53.780 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059174.D

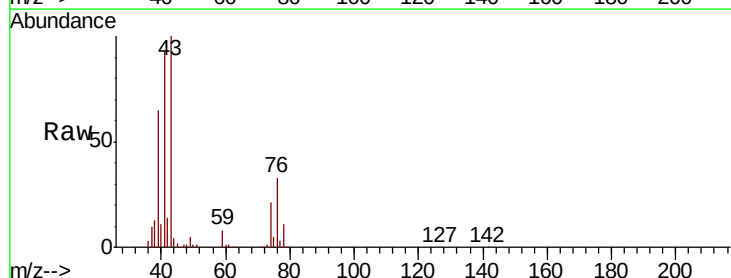
Acq: 11 Nov 2019 20:04

Tgt Ion: 43 Resp: 366592

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

150000

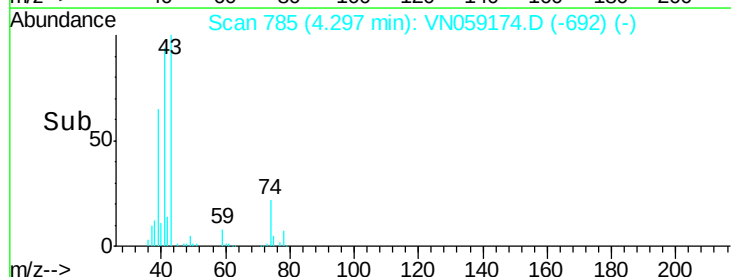
100000

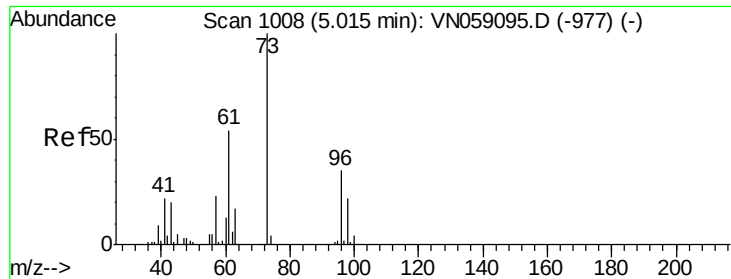
50000

0

Time-->

4.20 4.30 4.40

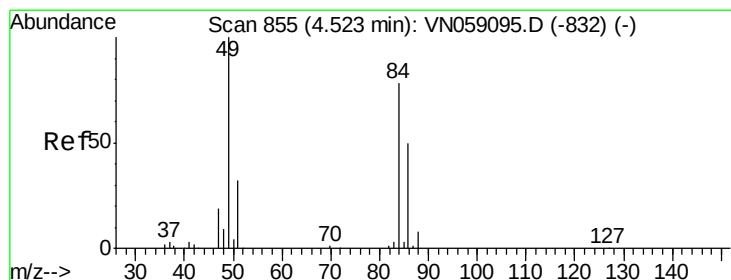
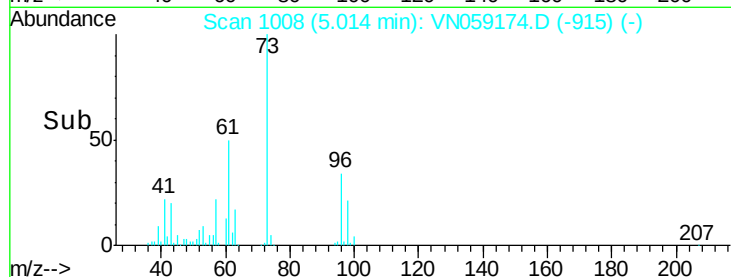
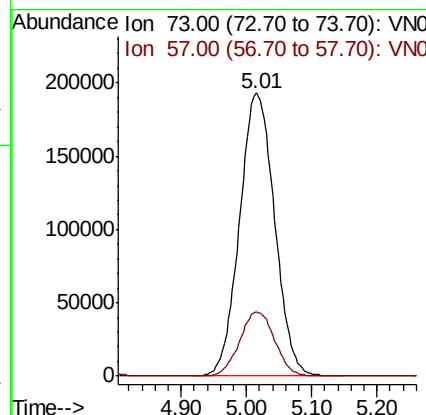
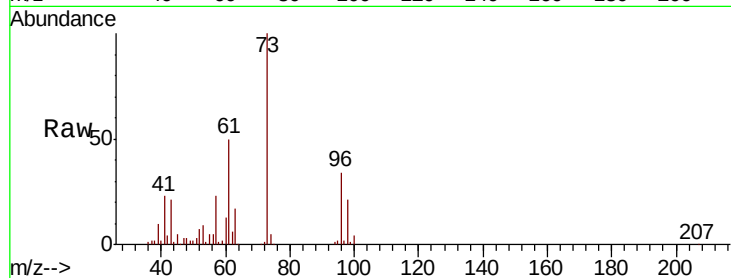




#19
Methyl tert-butyl Ether
Concen: 49.903 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

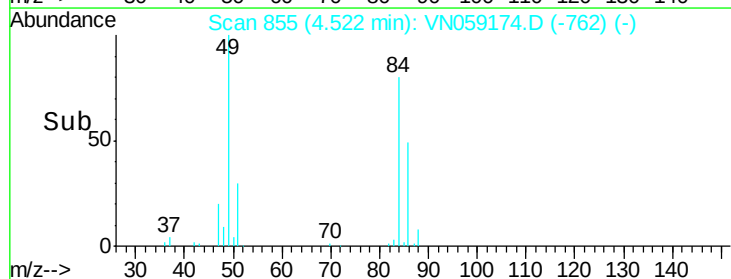
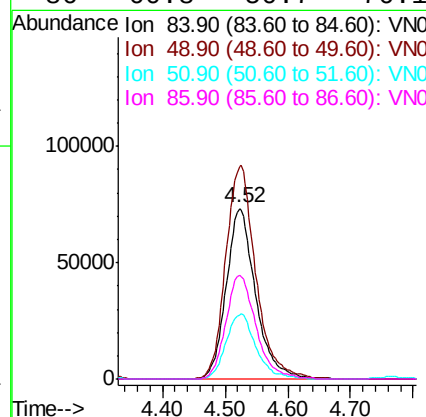
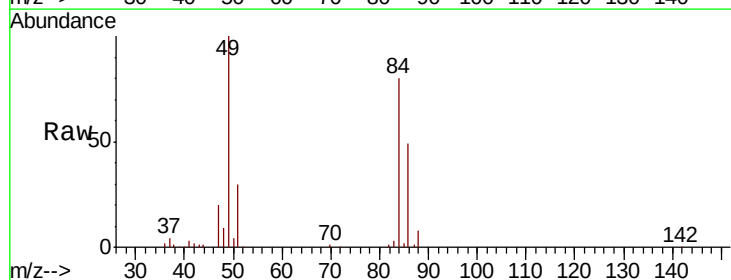
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

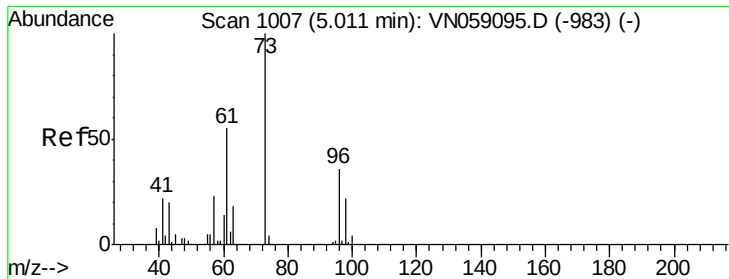
Tot Ion: 73 Resp: 720029
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6



#20
Methylene Chloride
Concen: 47.688 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion: 84 Resp: 238592
Ion Ratio Lower Upper
84 100
49 124.5 102.0 153.0
51 37.7 32.2 48.2
86 60.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 46.265 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

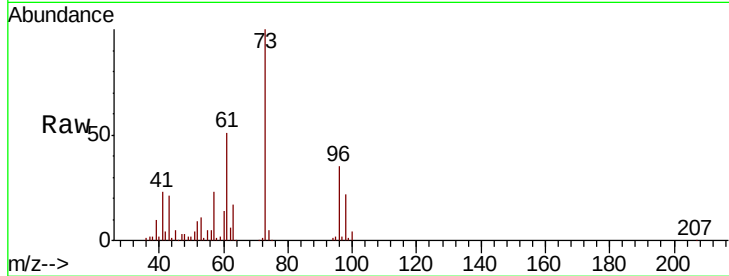
Tot Ion: 96 Resp: 208119

Ion Ratio Lower Upper

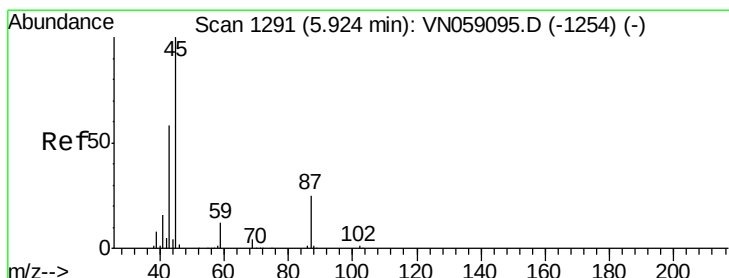
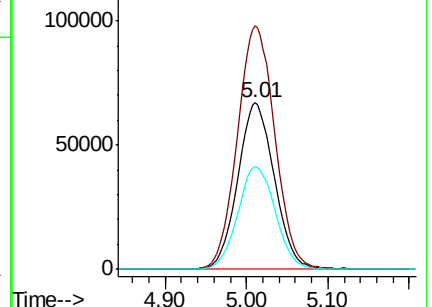
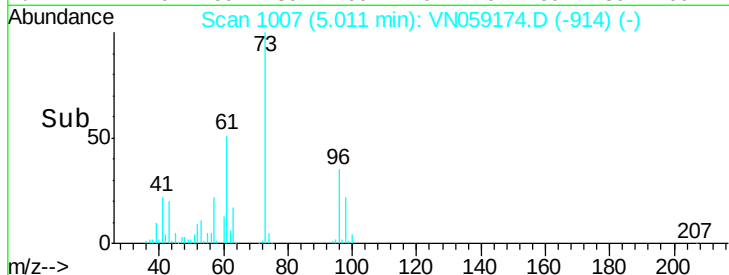
96 100

61 146.0 122.6 183.8

98 61.6 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059174.D (-914) (-)



#22

Diisopropyl ether

Concen: 49.597 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion: 45 Resp: 806468

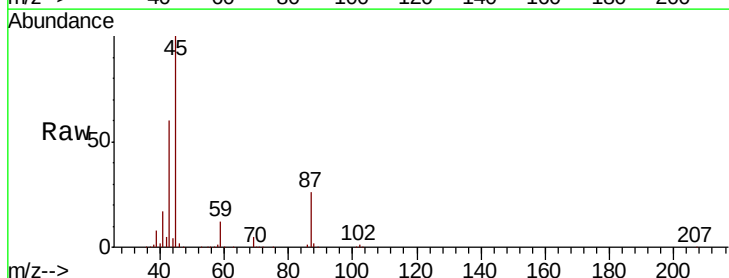
Ion Ratio Lower Upper

45 100

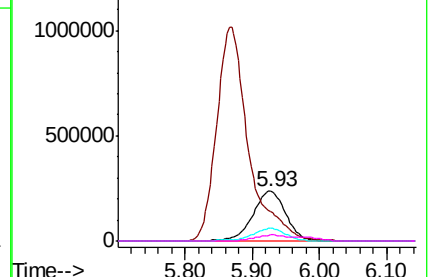
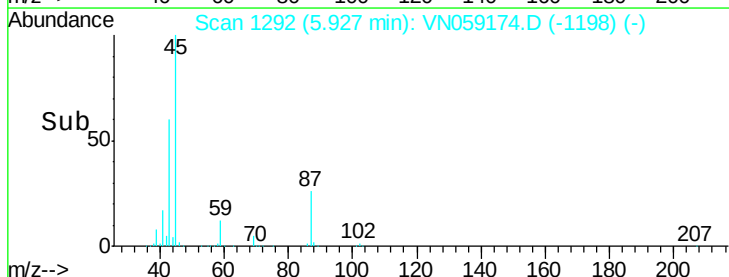
43 58.7 46.7 70.1

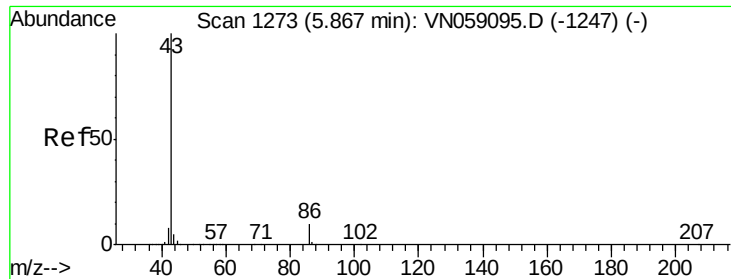
87 25.9 20.5 30.7

59 11.4 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN059174.D (-1198) (-)

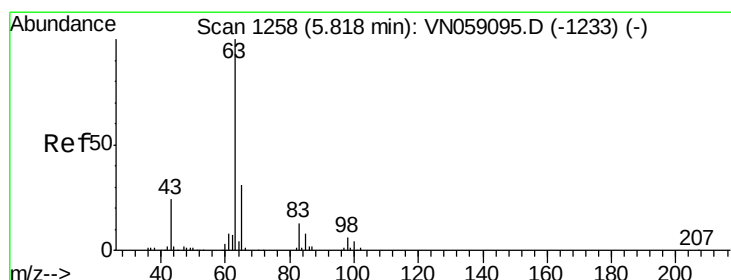
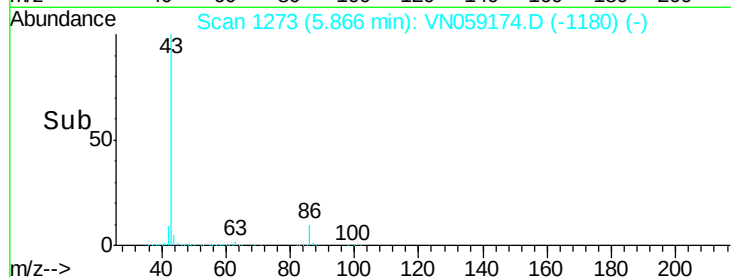
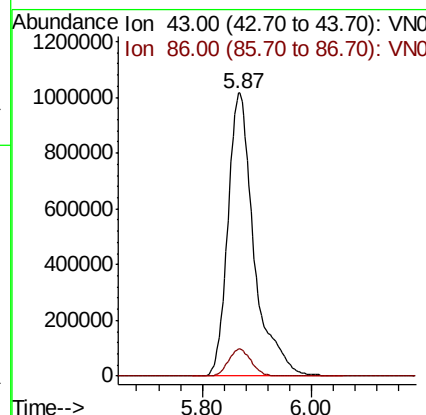
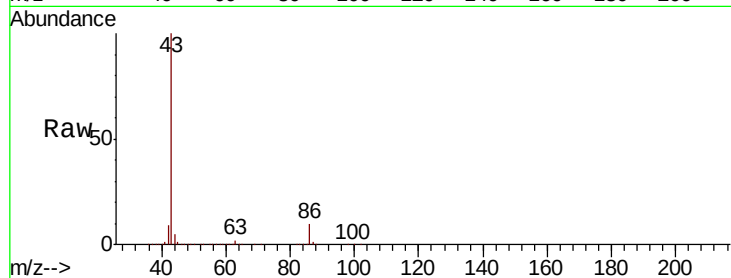




#23
 Vinyl Acetate
 Concen: 267.038 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

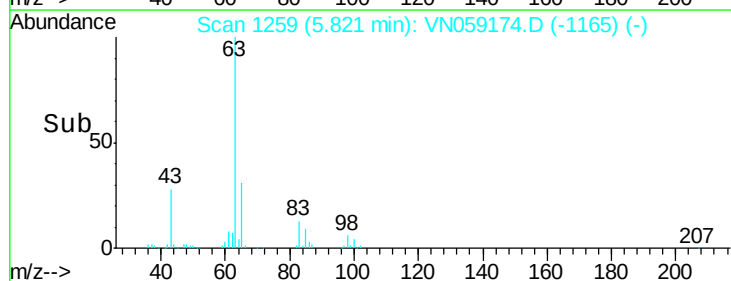
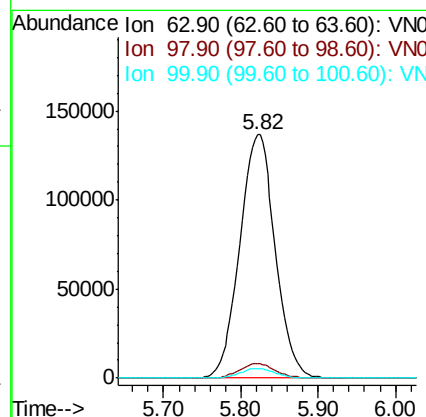
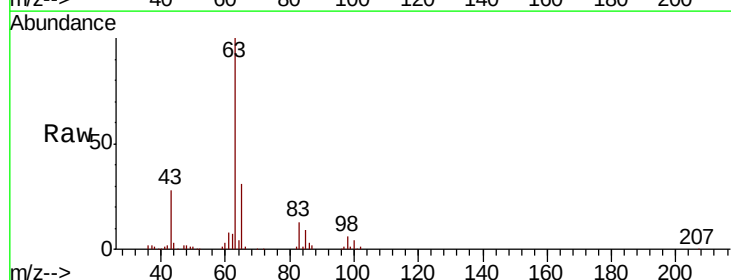
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

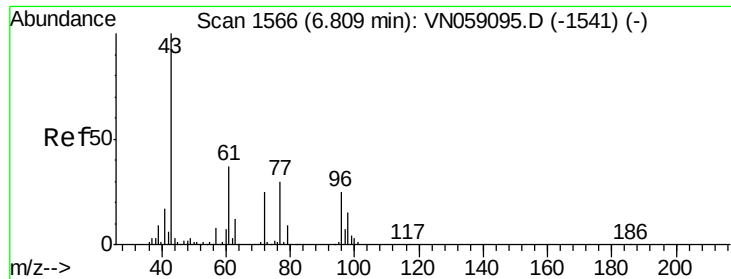
Tot Ion: 43 Resp: 3365218
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 47.901 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion: 63 Resp: 435025
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 3.9 1.9 5.7





#25

2-Butanone

Concen: 257.709 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

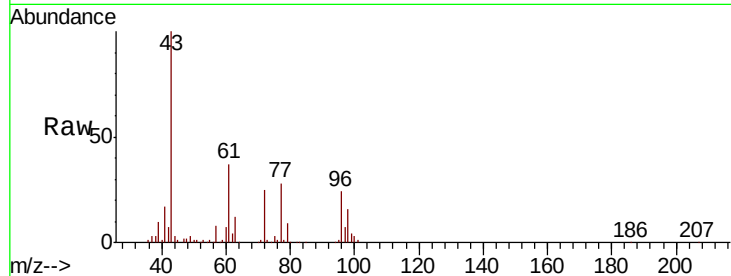
VSTDCCC050EC

Tot Ion: 43 Resp: 975397

Ion Ratio Lower Upper

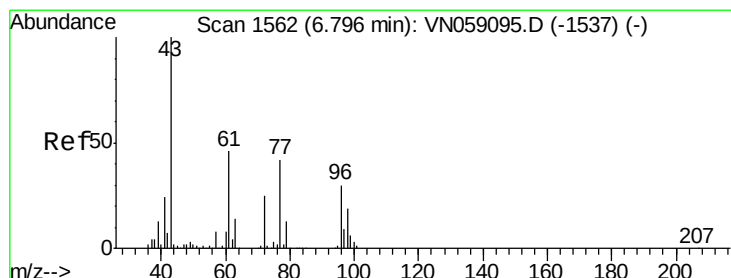
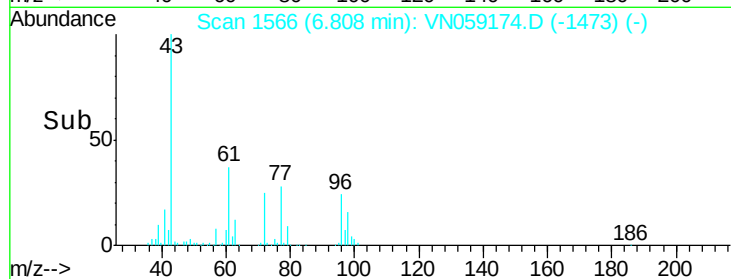
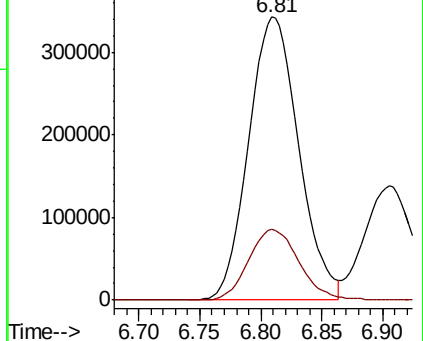
43 100

72 25.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 43.726 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059174.D

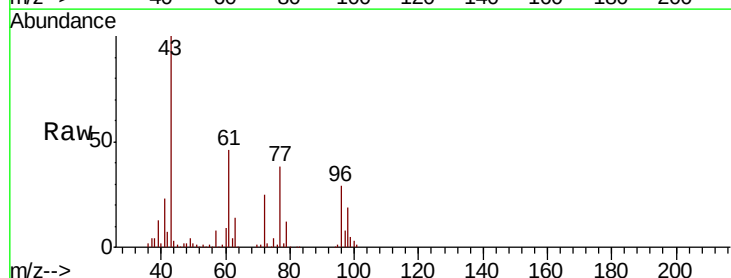
Acq: 11 Nov 2019 20:04

Tgt Ion: 77 Resp: 347235

Ion Ratio Lower Upper

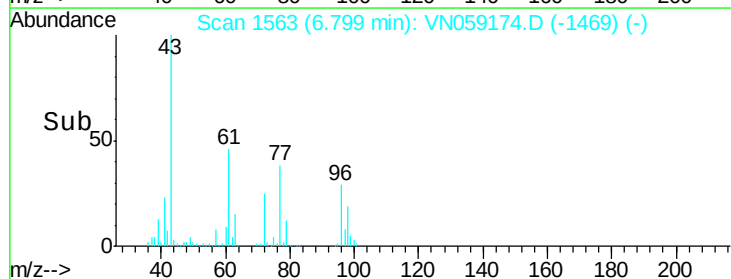
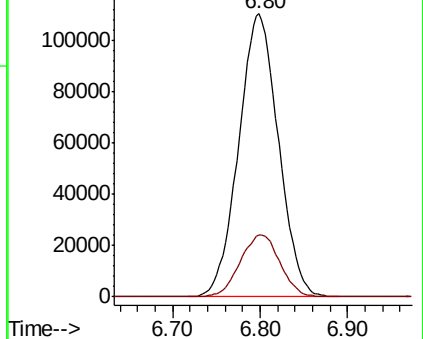
77 100

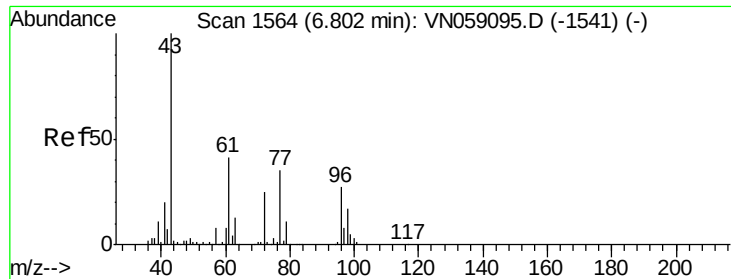
97 21.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.551 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

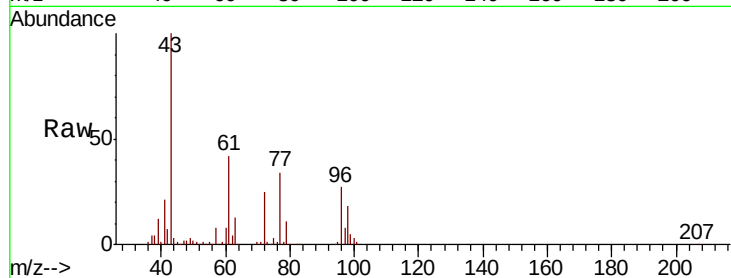
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 248168

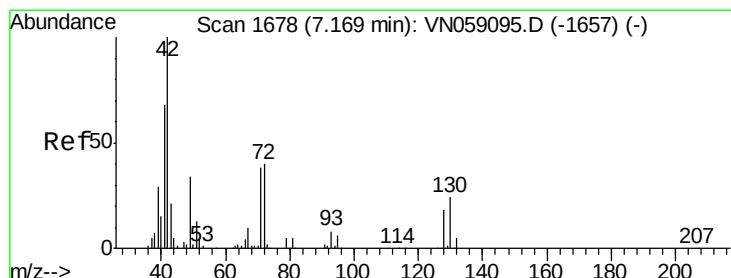
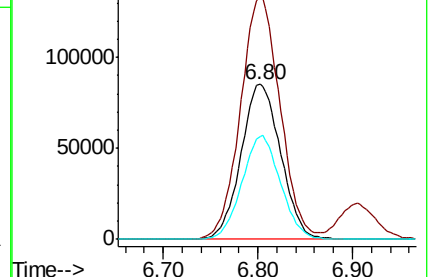
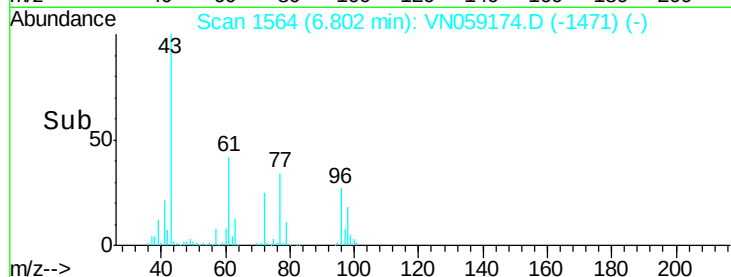
Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	311.6
98	65.0	0.0	129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.151 ug/l

RT: 7.17 min Scan# 1678

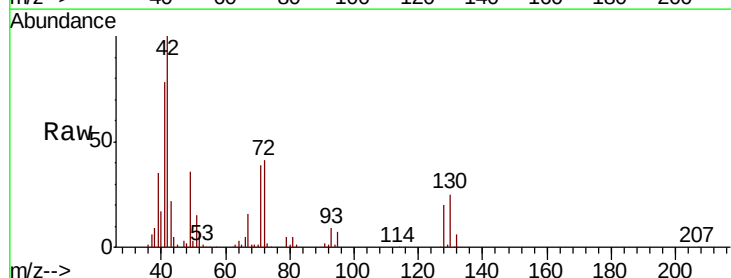
Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion: 49 Resp: 131563

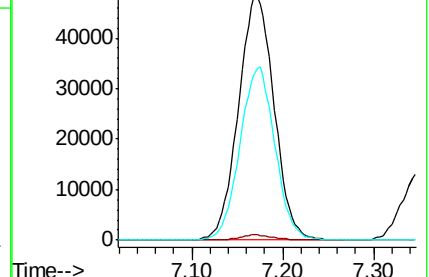
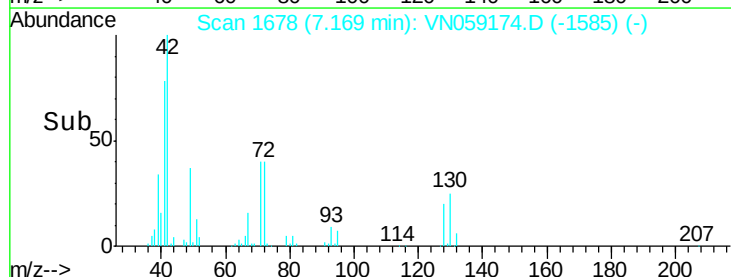
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	69.5	55.6	83.4

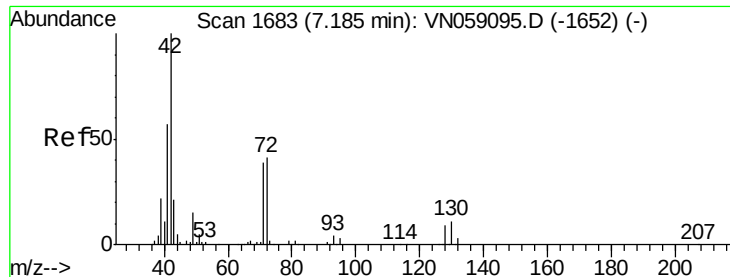


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

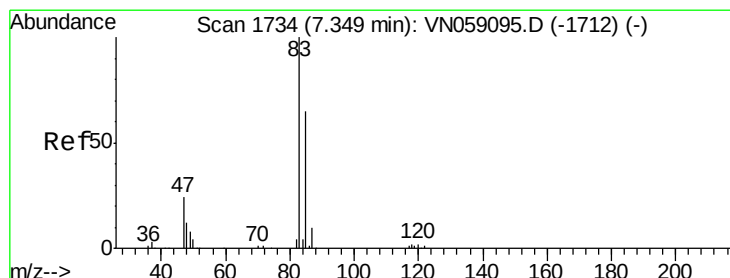
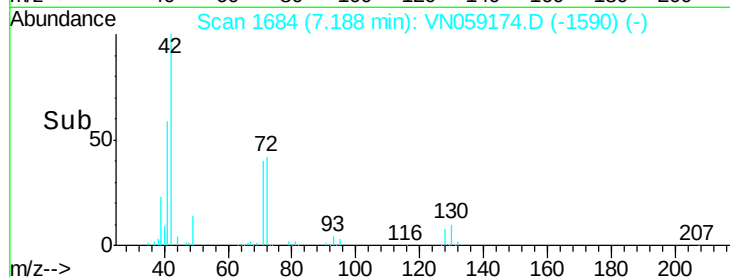
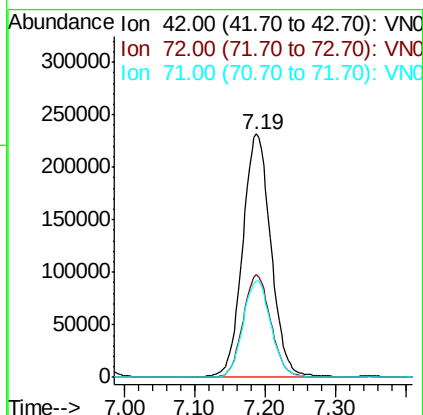
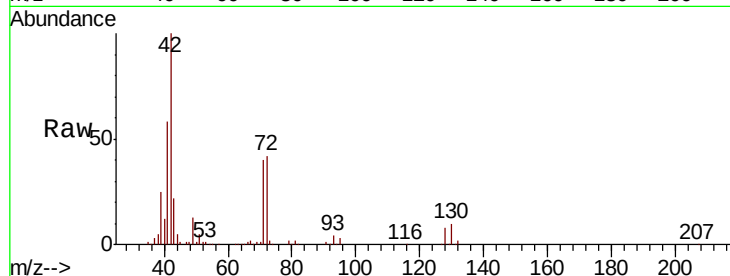




#29
Tetrahydrofuran
Concen: 268.651 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

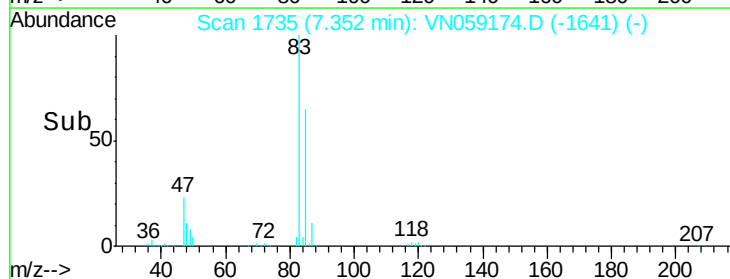
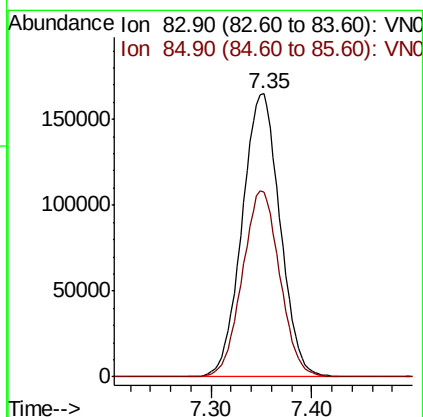
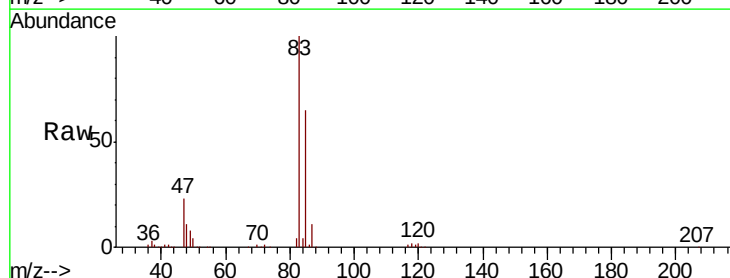
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

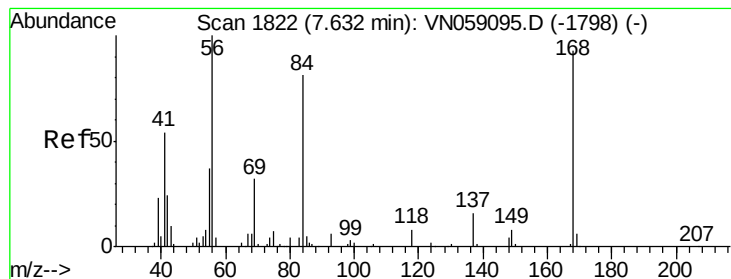
Tot Ion: 42 Resp: 646081
Ion Ratio Lower Upper
42 100
72 41.2 33.1 49.7
71 39.2 30.9 46.3



#30
Chloroform
Concen: 49.254 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion: 83 Resp: 429099
Ion Ratio Lower Upper
83 100
85 65.2 51.8 77.8





#31

Cyclohexane

Concen: 43.132 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

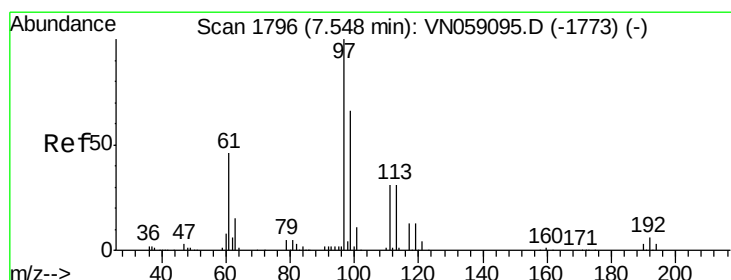
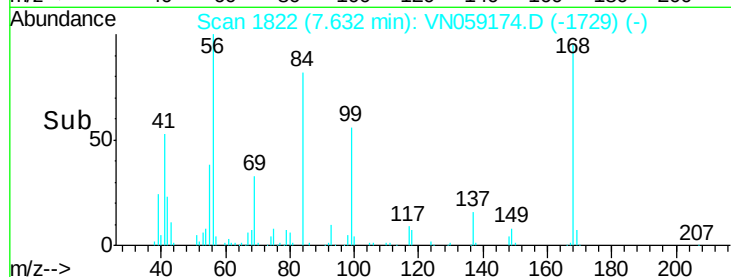
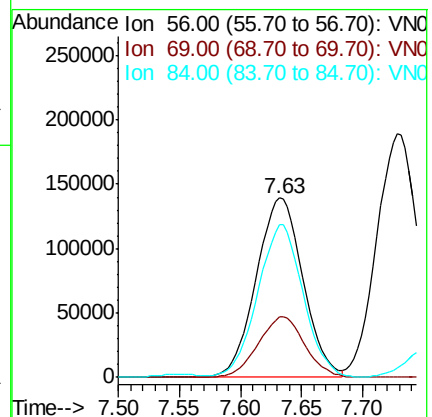
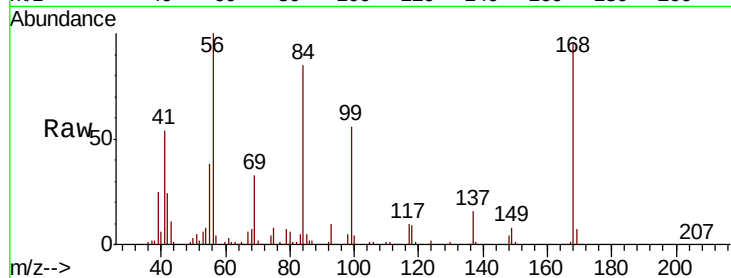
Tot Ion: 56 Resp: 370831

Ion Ratio Lower Upper

56 100

69 33.1 25.8 38.8

84 83.4 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 49.742 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

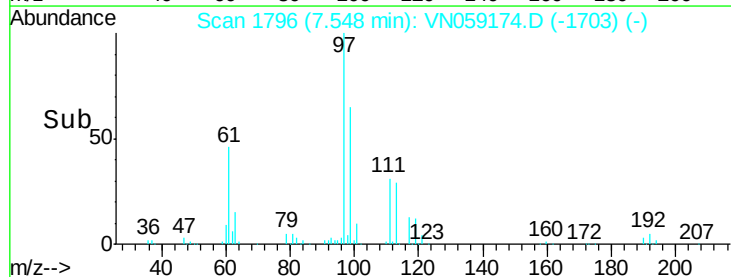
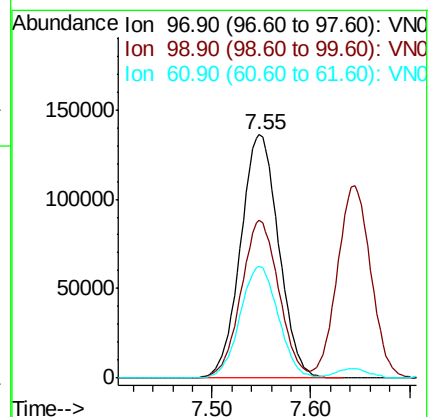
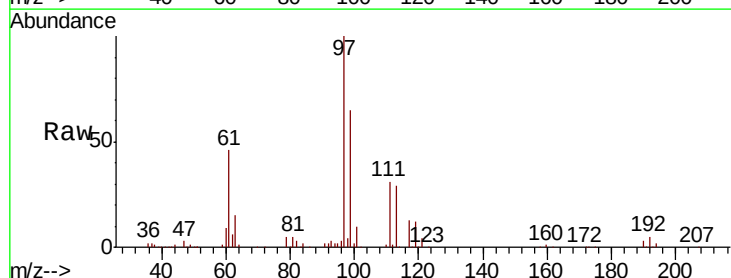
Tgt Ion: 97 Resp: 364335

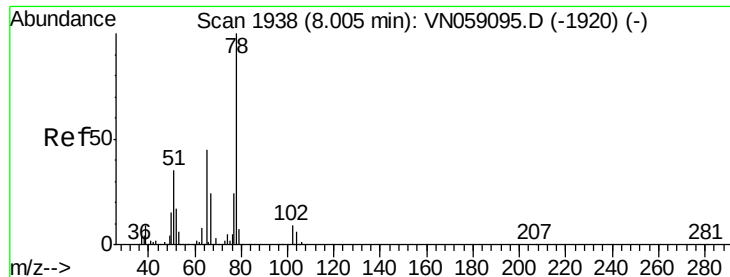
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 45.9 35.8 53.8

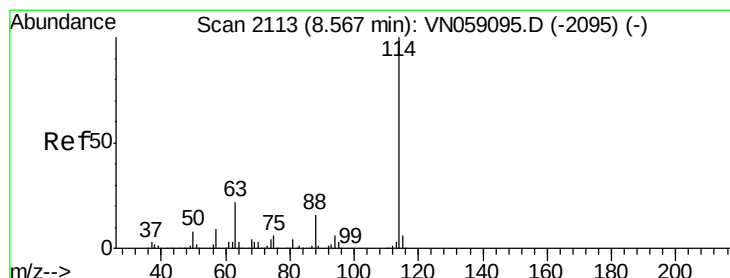
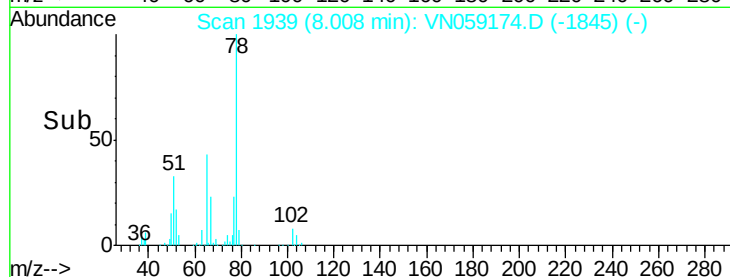
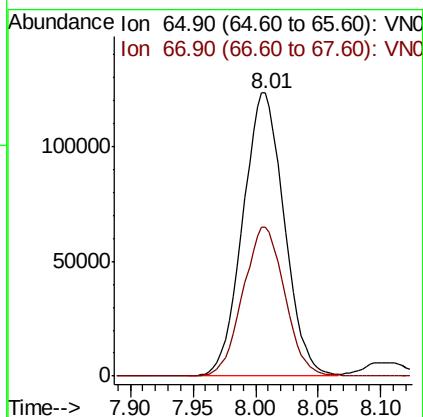
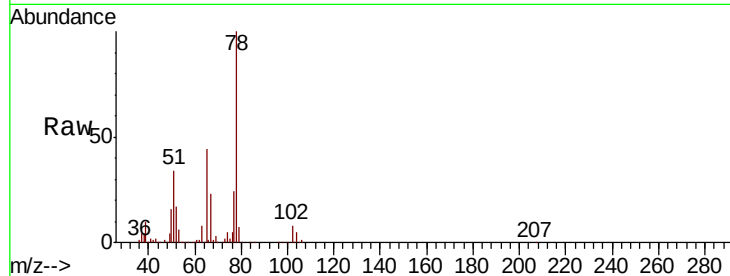




#33
 1,2-Dichloroethane-d4
 Concen: 51.361 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

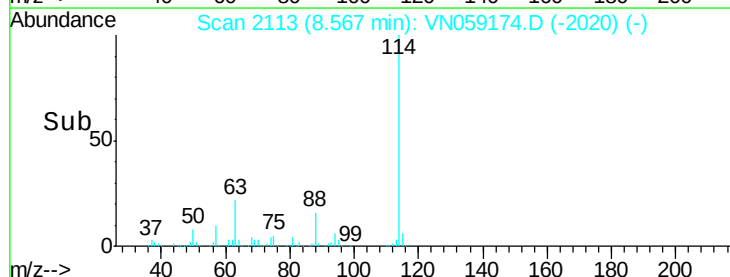
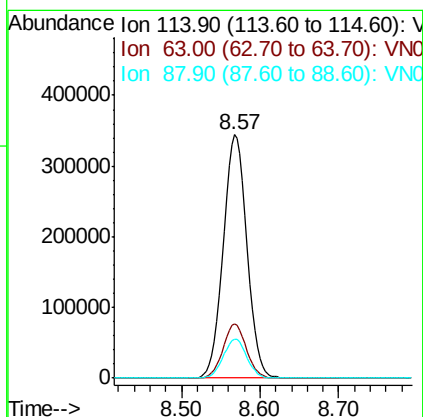
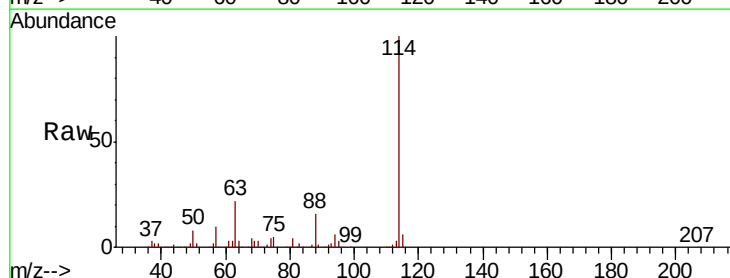
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

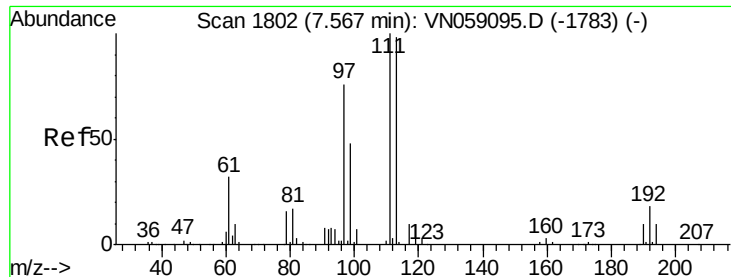
Tot Ion: 65 Resp: 283643
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion: 114 Resp: 712353
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.4
 88 16.1 0.0 32.2

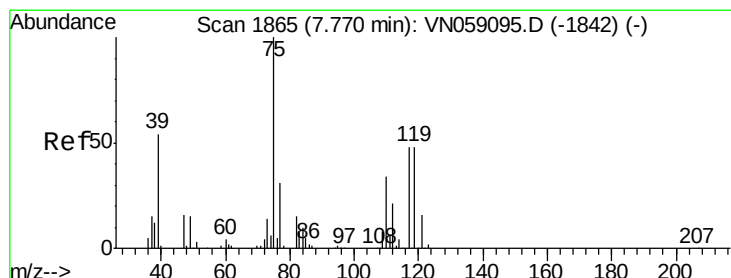
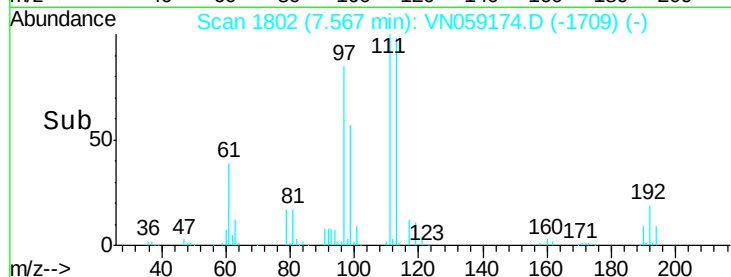
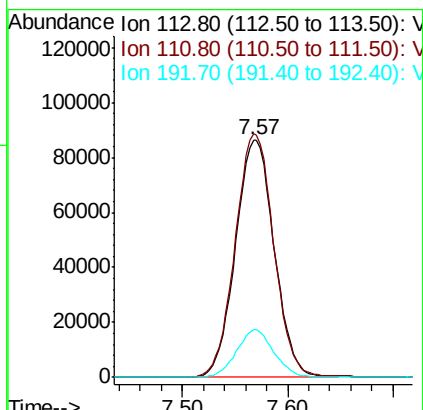
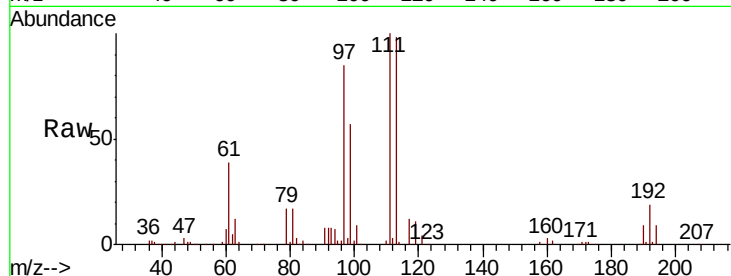




#35
Dibromofluoromethane
Concen: 51.778 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

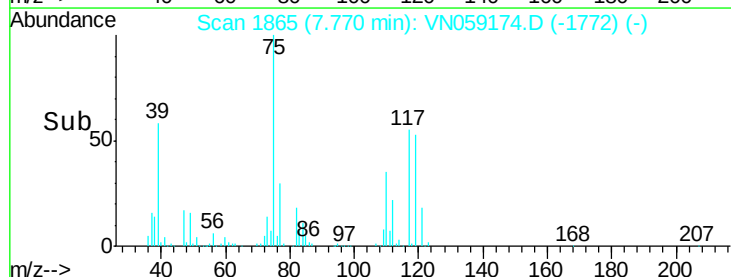
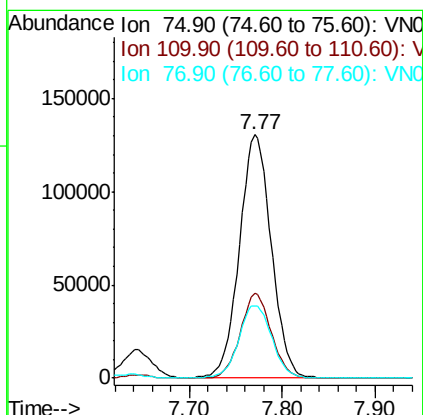
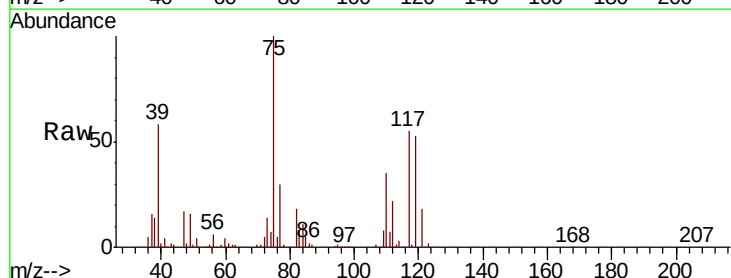
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

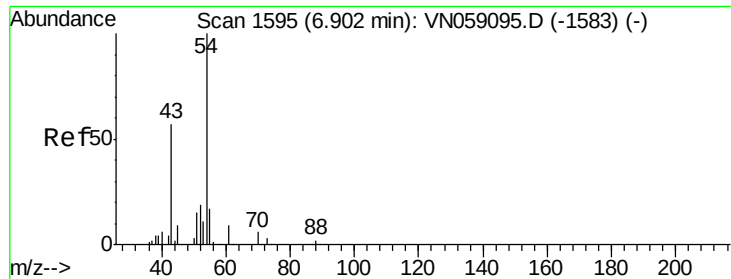
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	19.3	16.1	24.1



#36
1,1-Dichloropropene
Concen: 46.699 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.1	51.2
77	30.9	24.8	37.2





#37

Ethyl Acetate

Concen: 51.889 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

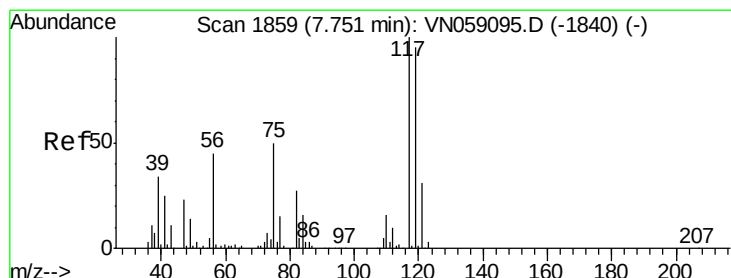
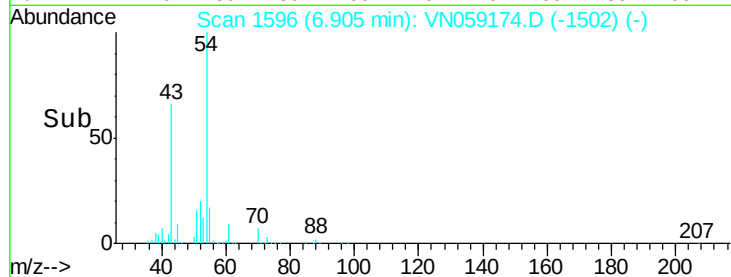
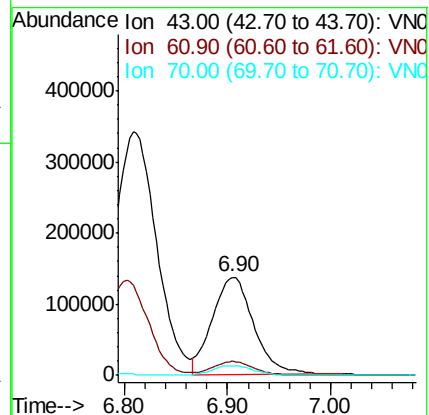
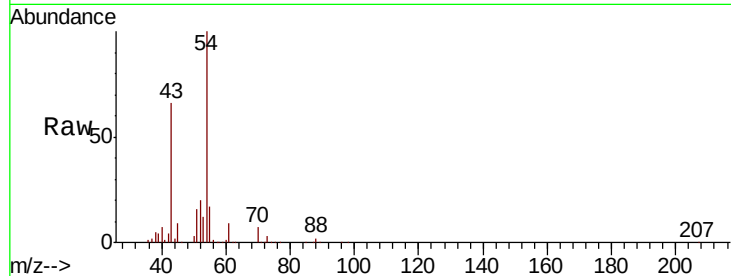
Tot Ion: 43 Resp: 384356

Ion Ratio Lower Upper

43 100

61 14.2 11.2 16.8

70 9.8 7.8 11.8



#38

Carbon Tetrachloride

Concen: 47.653 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

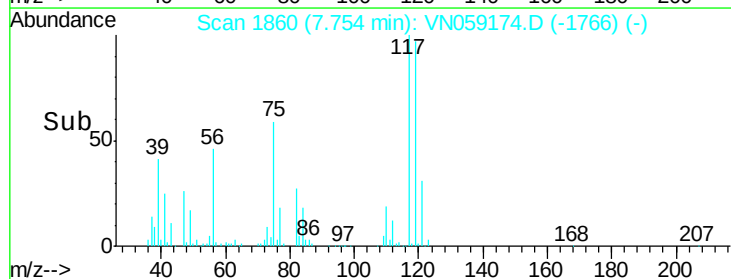
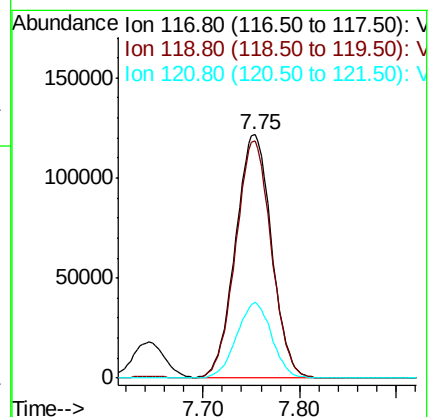
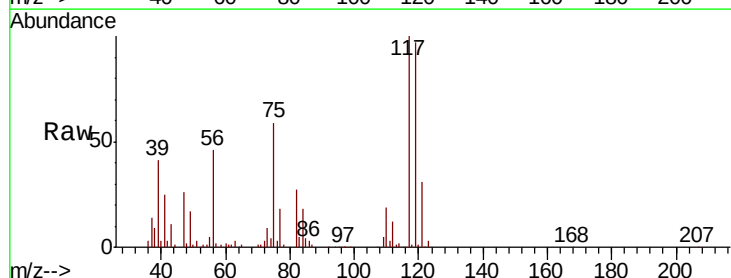
Tgt Ion: 117 Resp: 315805

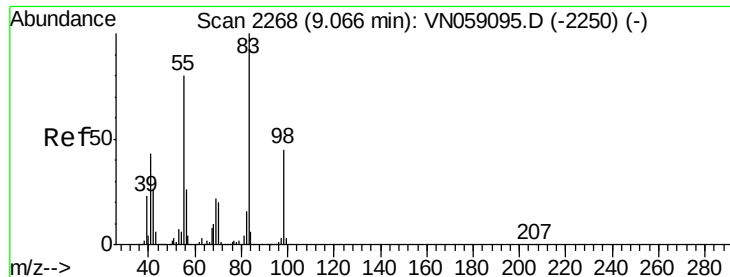
Ion Ratio Lower Upper

117 100

119 97.1 75.6 113.4

121 31.0 24.6 36.8

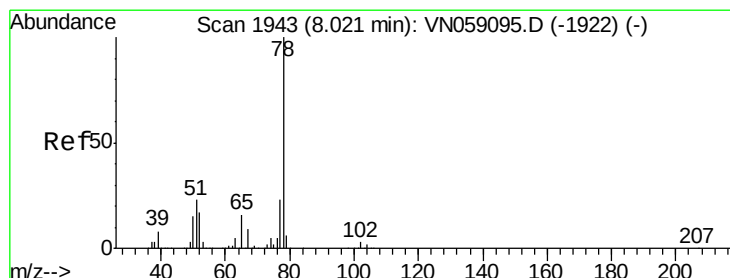
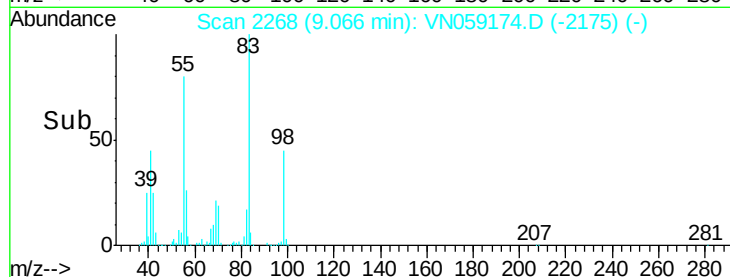
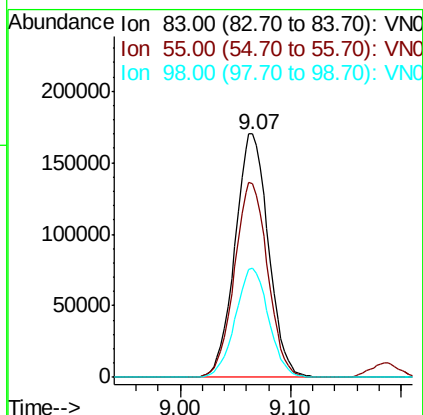
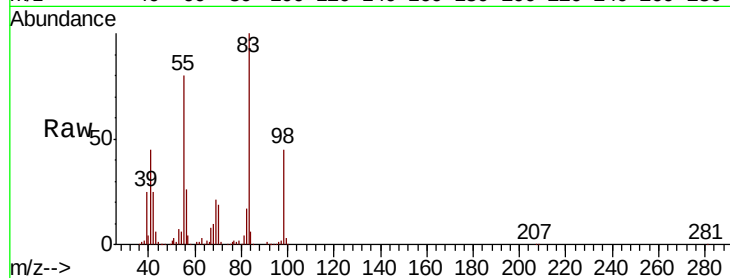




#39
Methylvlcyclohexane
Concen: 46.128 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

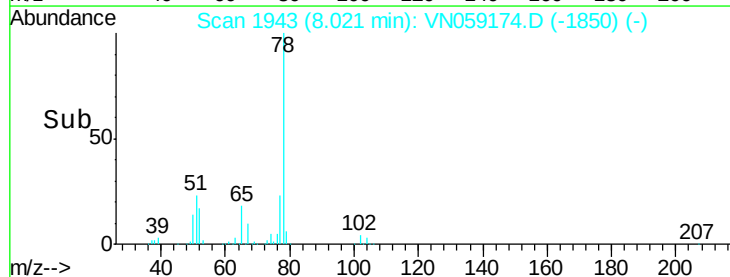
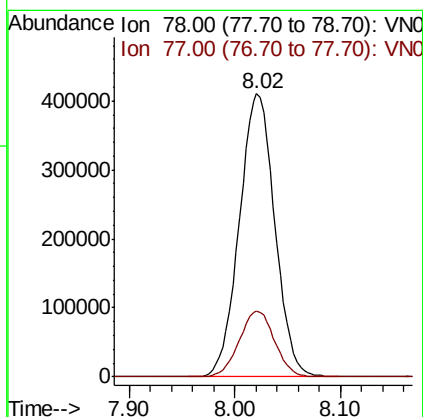
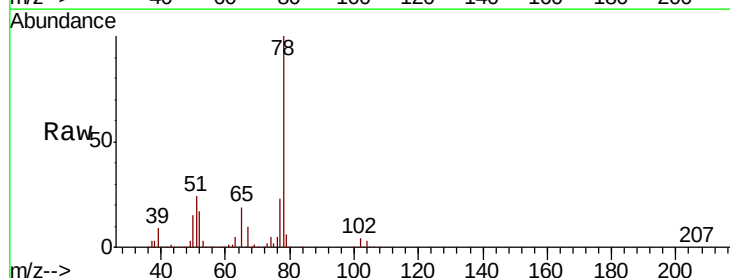
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

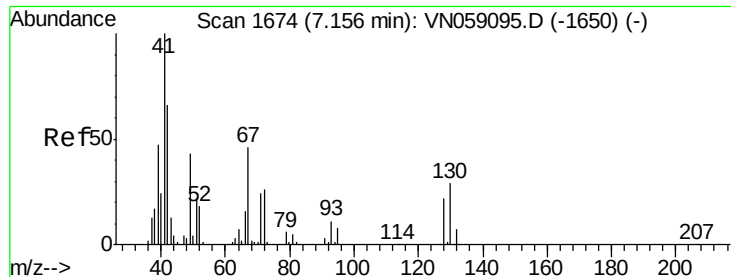
Tot Ion: 83 Resp: 356462
Ion Ratio Lower Upper
83 100
55 79.6 63.9 95.9
98 44.9 35.6 53.4



#40
Benzene
Concen: 47.842 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion: 78 Resp: 959266
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

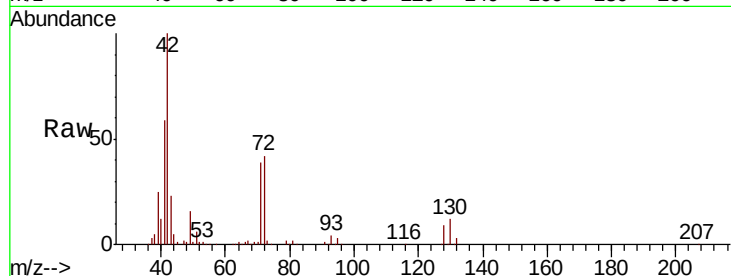




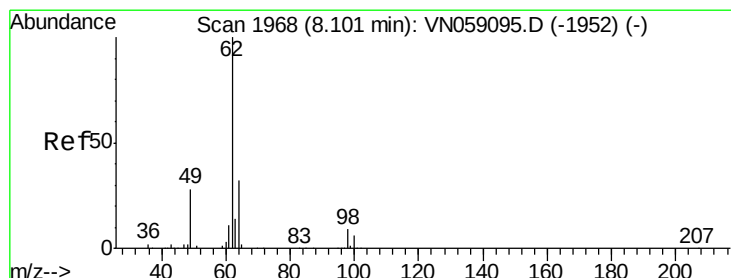
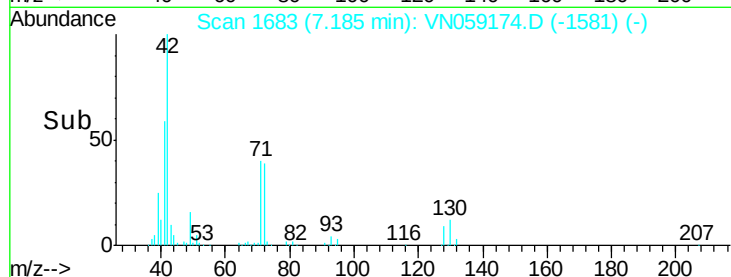
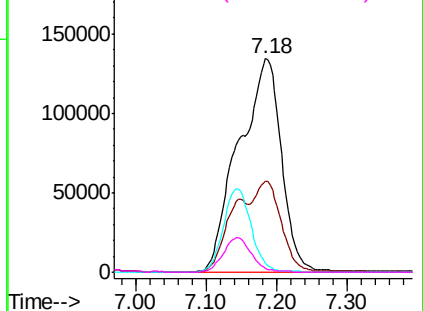
#41
Methacrylonitrile
Concen: 176.011 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	566933
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

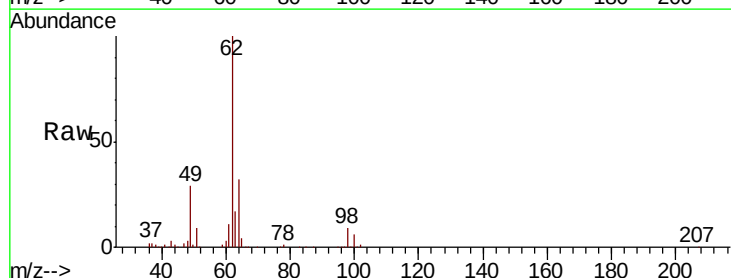


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

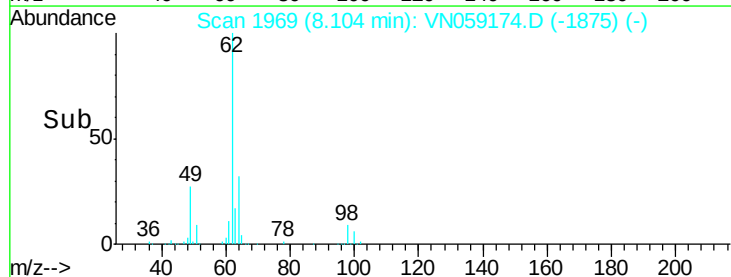
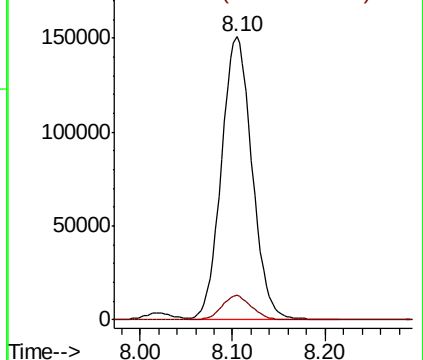


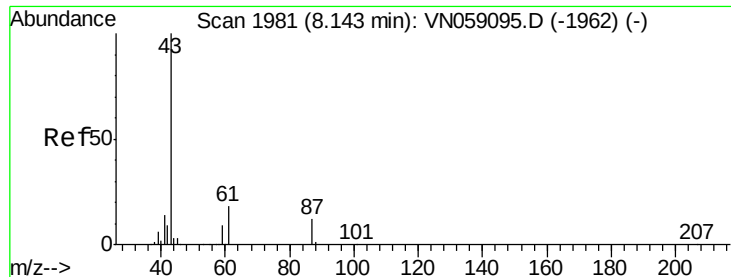
#42
1,2-Dichloroethane
Concen: 50.376 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion:	62	Resp:	346430
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 51.415 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

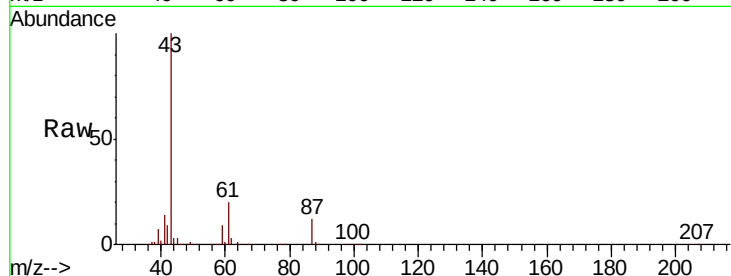
Tot Ion: 43 Resp: 607161

Ion Ratio Lower Upper

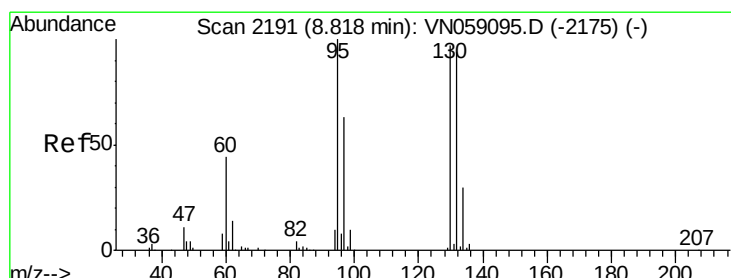
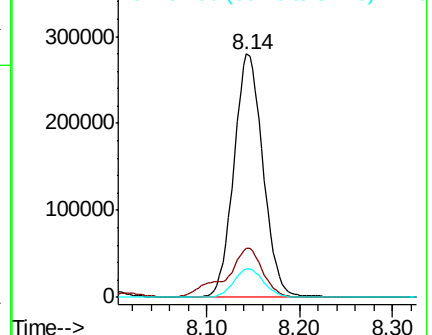
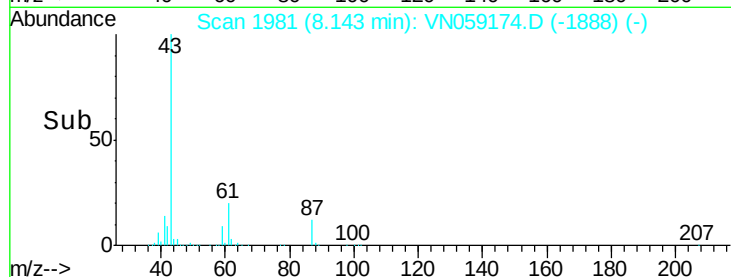
43 100

61 25.8 21.0 31.6

87 12.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059174.D (-1888) (-)



#44

Trichloroethene

Concen: 46.464 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059174.D

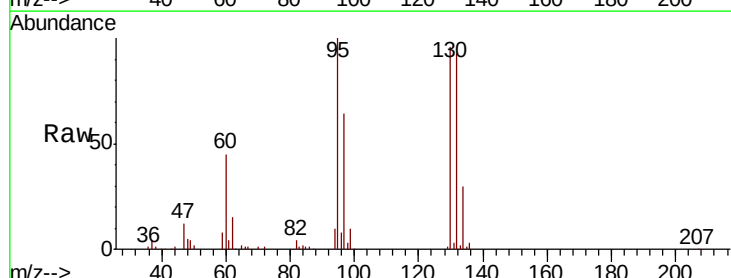
Acq: 11 Nov 2019 20:04

Tgt Ion: 130 Resp: 229015

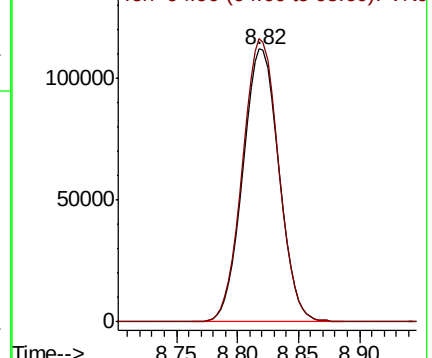
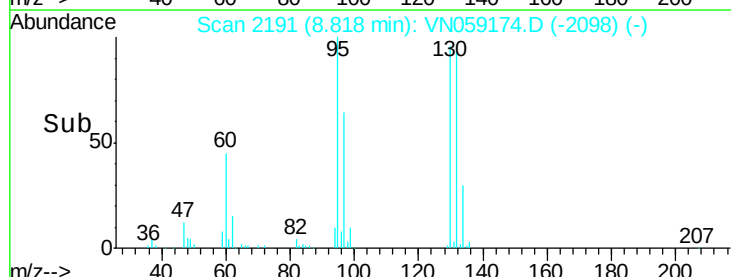
Ion Ratio Lower Upper

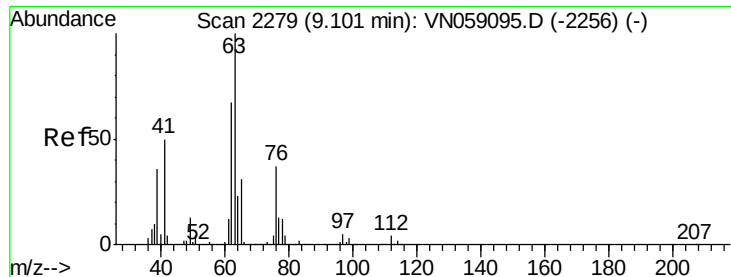
130 100

95 103.8 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059174.D (-2098) (-)

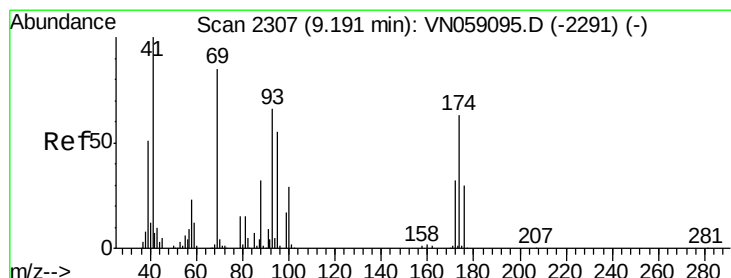
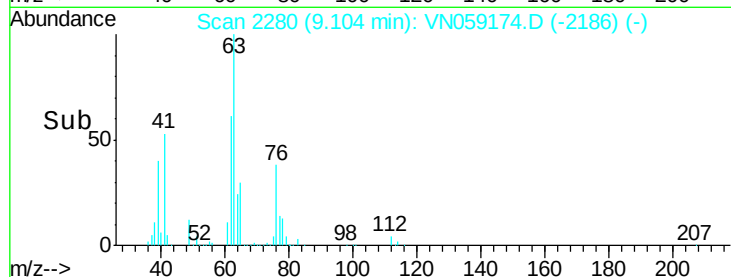
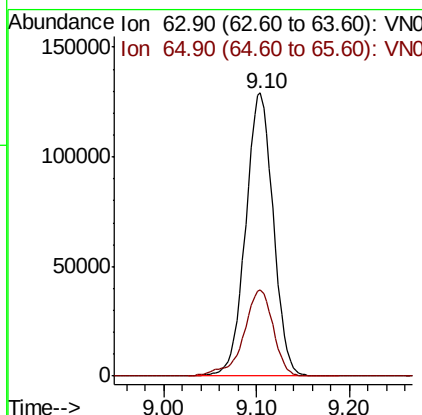
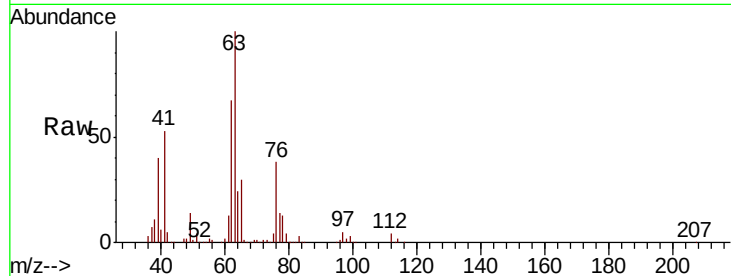




#45
 1,2-Dichloropropane
 Concen: 48.972 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

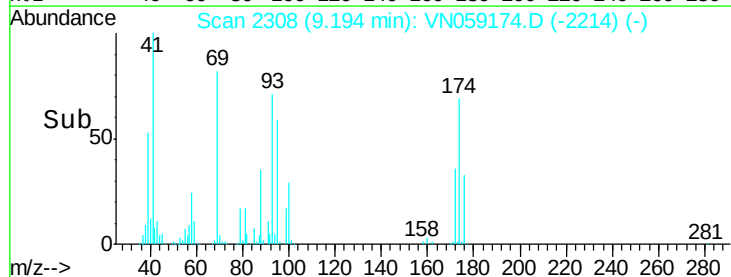
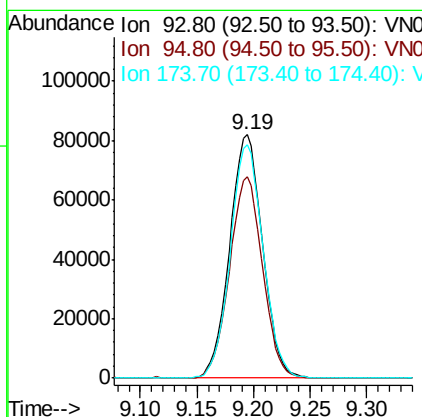
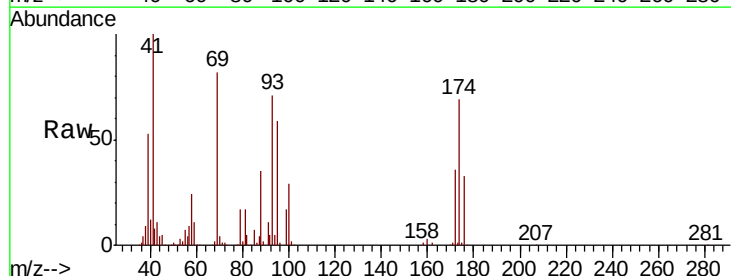
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

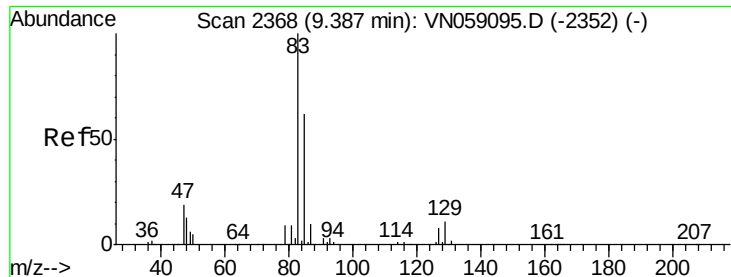
Tot Ion: 63 Resp: 266709
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0



#46
 Dibromomethane
 Concen: 48.930 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion: 93 Resp: 166056
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 95.9 78.2 117.2





#47

Bromodichloromethane

Concen: 50.504 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

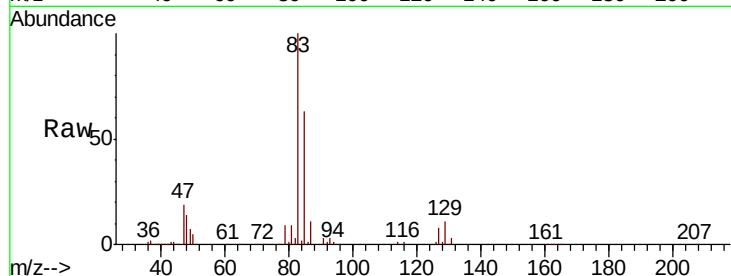
Tot Ion: 83 Resp: 342258

Ion Ratio Lower Upper

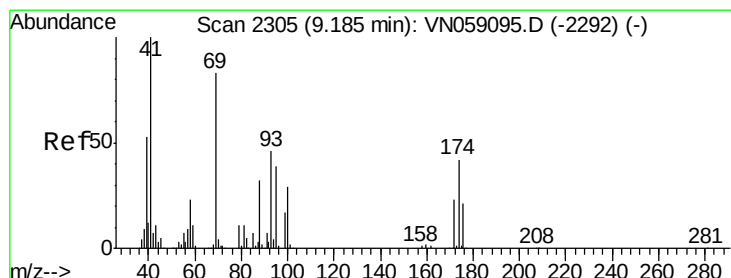
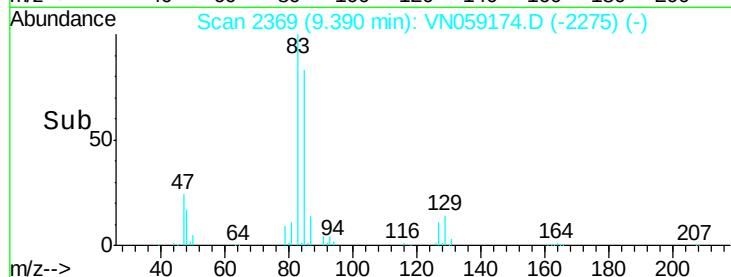
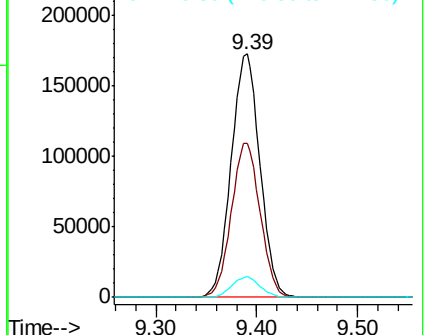
83 100

85 63.4 49.7 74.5

127 8.5 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 52.761 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

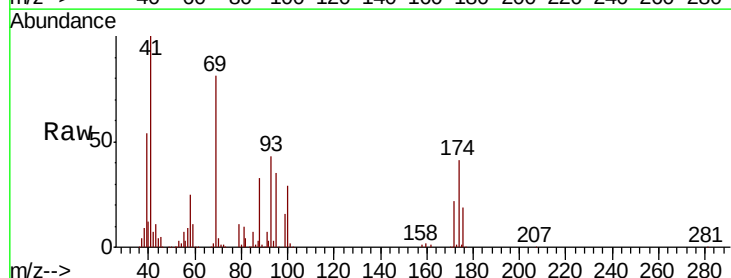
Tgt Ion: 41 Resp: 278690

Ion Ratio Lower Upper

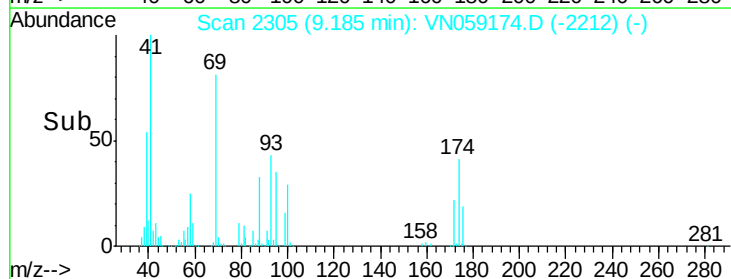
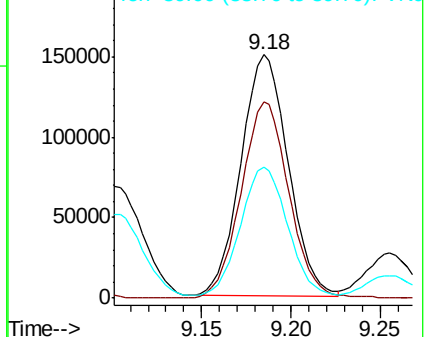
41 100

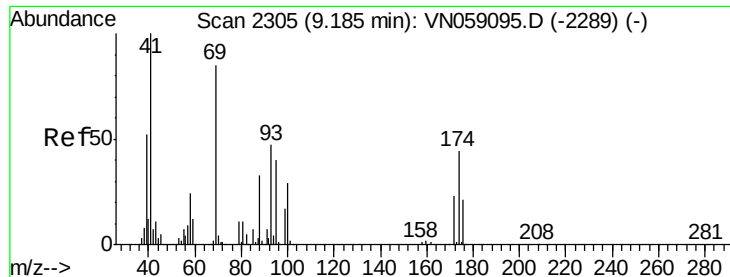
69 82.3 67.3 100.9

39 54.7 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 1101.020 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

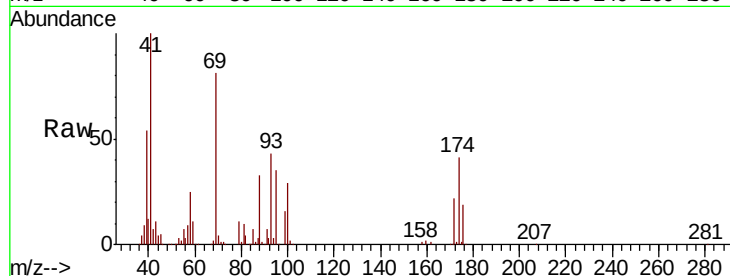
Tot Ion: 88 Resp: 103355

Ion Ratio Lower Upper

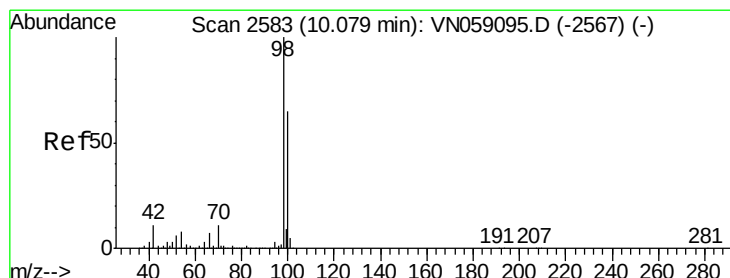
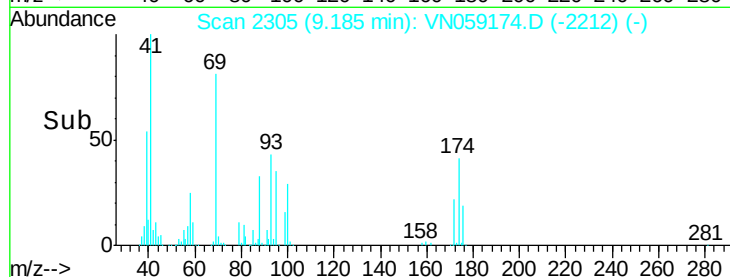
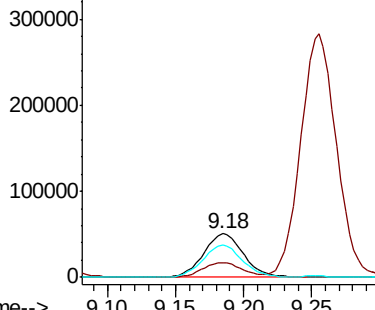
88 100

43 32.3 26.3 39.5

58 73.8 60.6 90.8



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



#50

Toluene-d8

Concen: 50.123 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059174.D

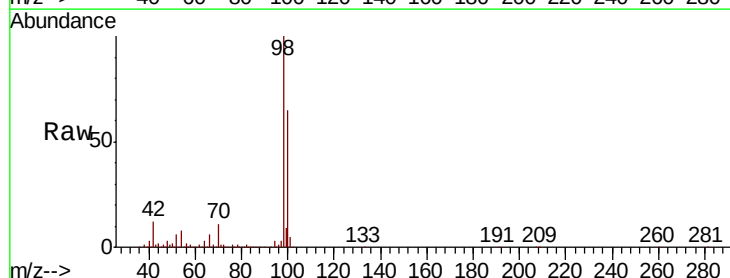
Acq: 11 Nov 2019 20:04

Tgt Ion: 98 Resp: 839755

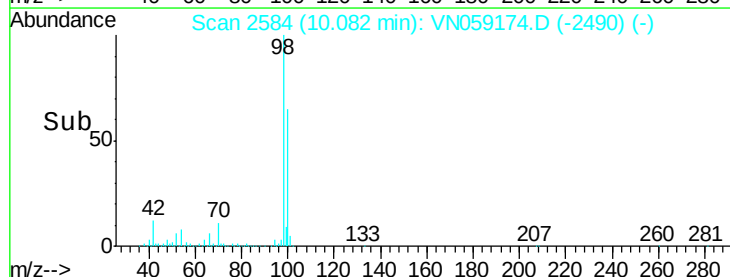
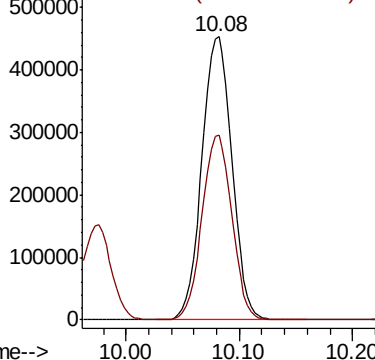
Ion Ratio Lower Upper

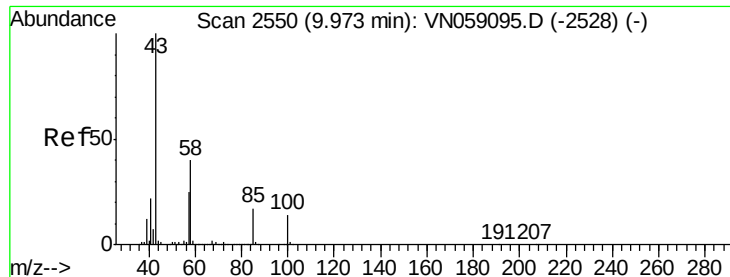
98 100

100 64.6 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 294.933 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

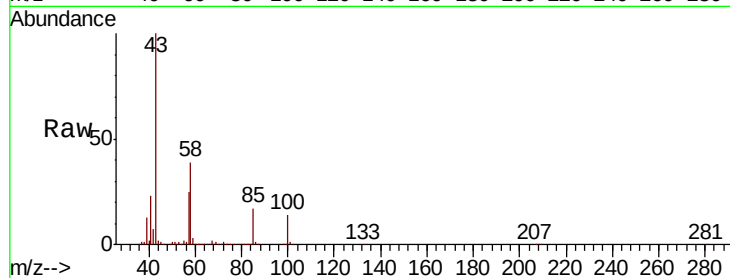
VSTDCCC050EC

Tot Ion: 43 Resp: 1970708

Ion Ratio Lower Upper

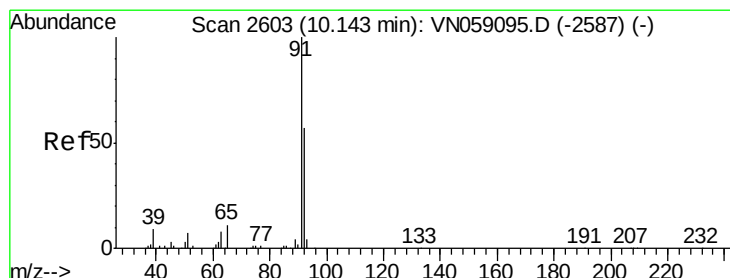
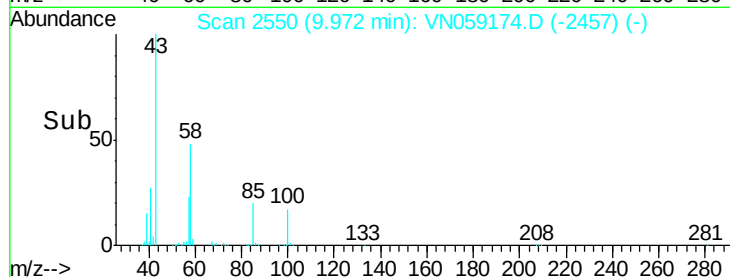
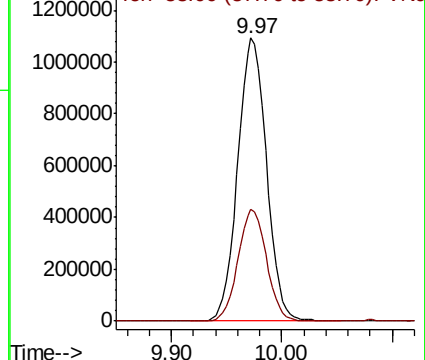
43 100

58 39.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D

Ion 58.00 (57.70 to 58.70): VN059095.D



#52

Toluene

Concen: 48.904 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059174.D

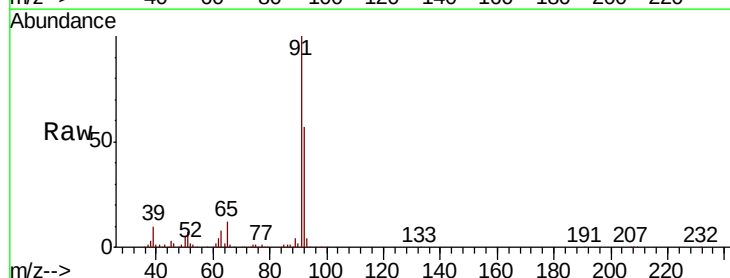
Acq: 11 Nov 2019 20:04

Tgt Ion: 92 Resp: 587721

Ion Ratio Lower Upper

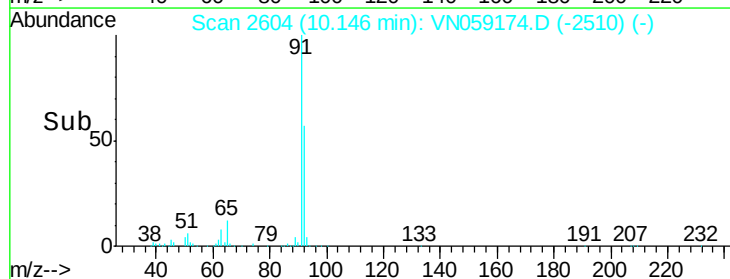
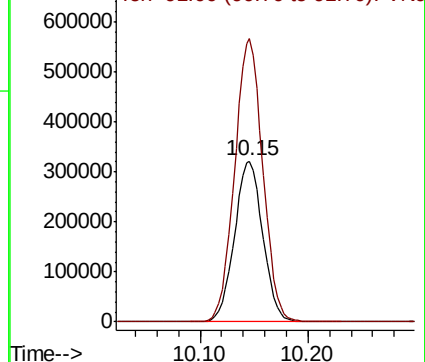
92 100

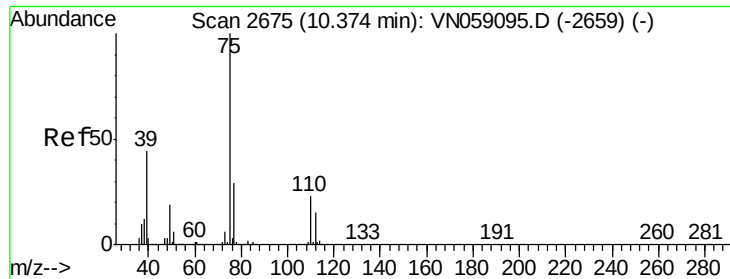
91 174.7 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D

Ion 91.00 (90.70 to 91.70): VN059095.D





#53

t-1,3-Dichloropropene

Concen: 49.313 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

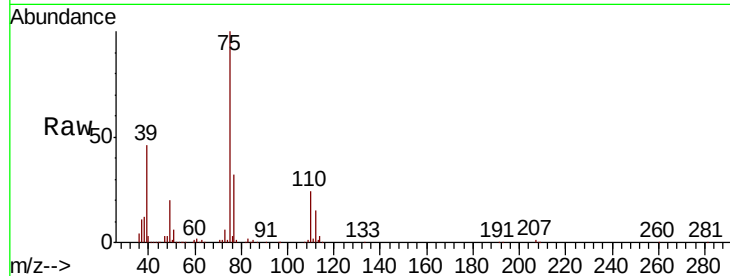
VSTDCCC050EC

Tot Ion: 75 Resp: 386092

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

250000

200000

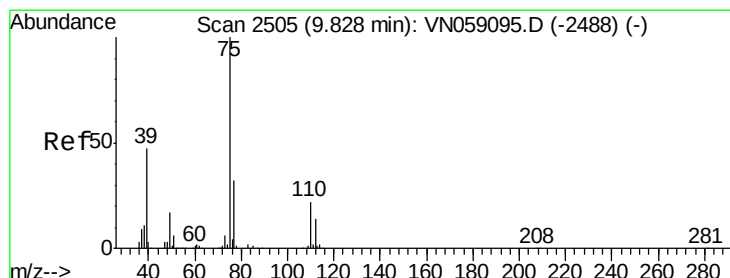
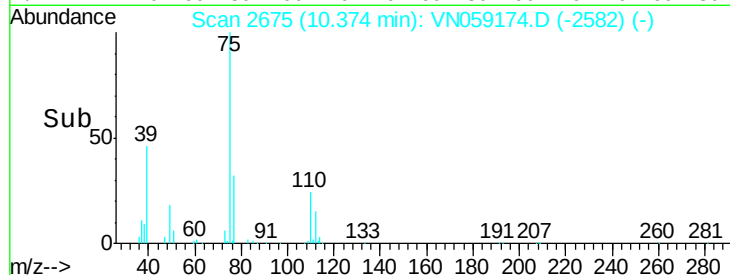
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.577 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

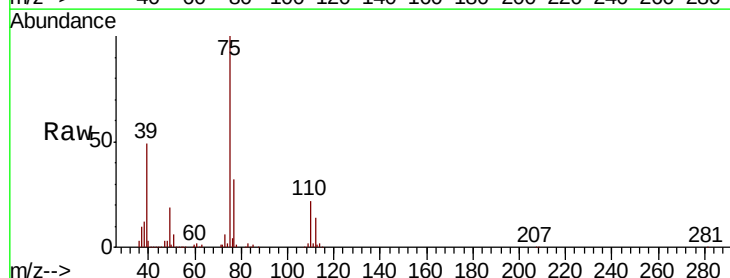
Tgt Ion: 75 Resp: 409110

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 48.9 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

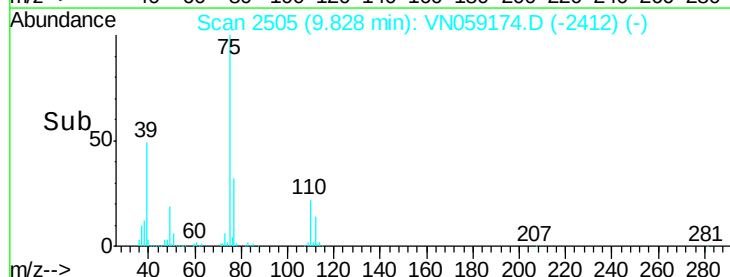
150000

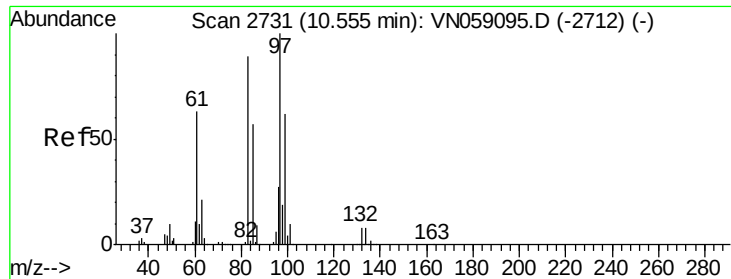
100000

50000

0

Time-->

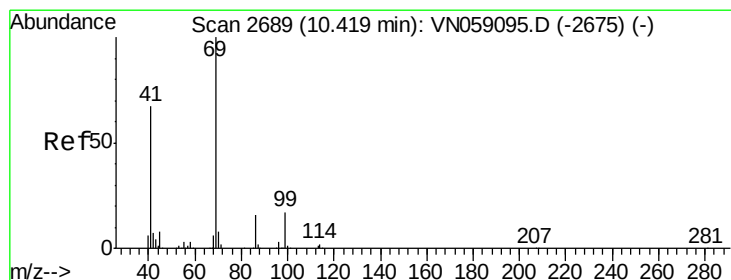
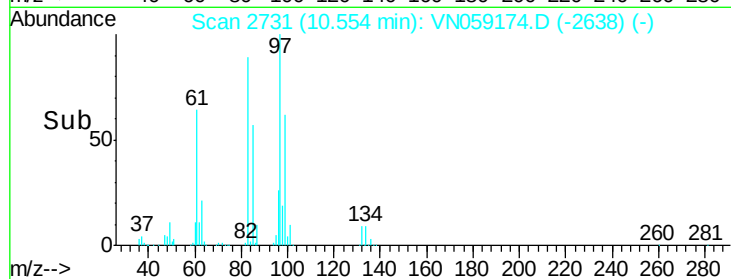
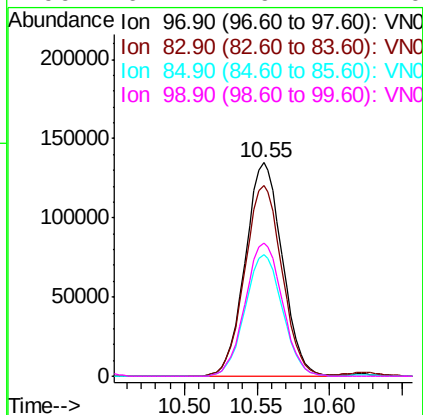
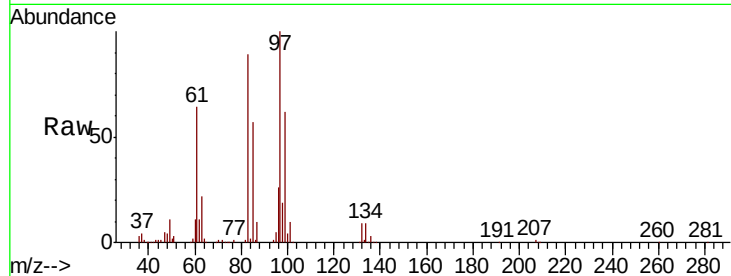




#55
 1,1,2-Trichloroethane
 Concen: 49.385 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

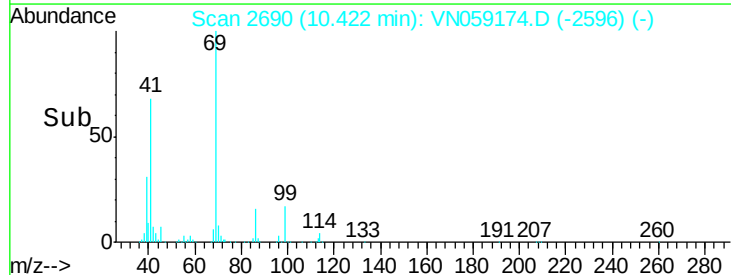
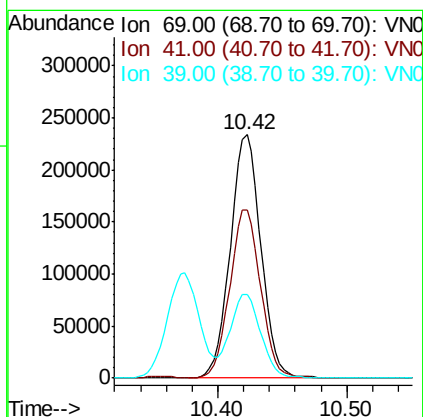
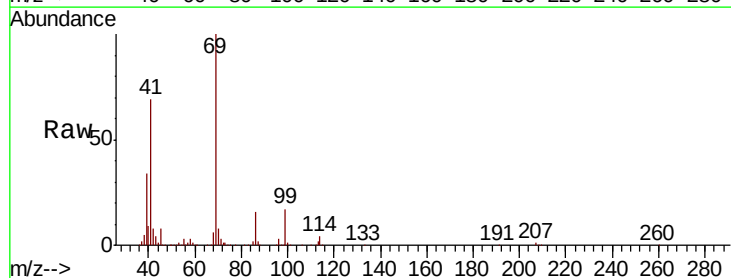
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

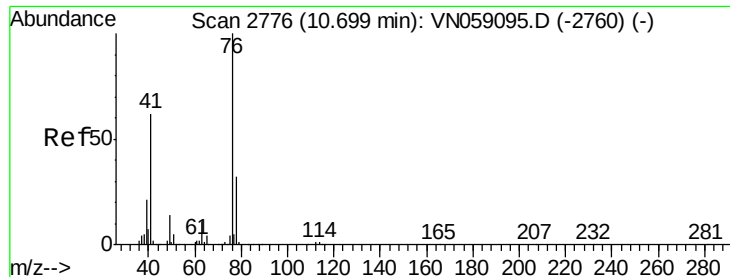
Tot Ion:	97	Resp:	240194
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.0	106.4
85	57.1	45.8	68.8
99	62.4	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 47.495 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion:	69	Resp:	384500
Ion	Ratio	Lower	Upper
69	100		
41	69.4	53.6	80.4
39	33.9	26.2	39.4





#57

1,3-Dichloropropane

Concen: 50.161 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

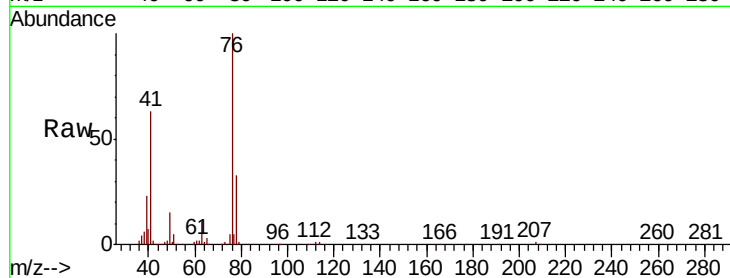
VSTDCCC050EC

Tot Ion: 76 Resp: 419903

Ion Ratio Lower Upper

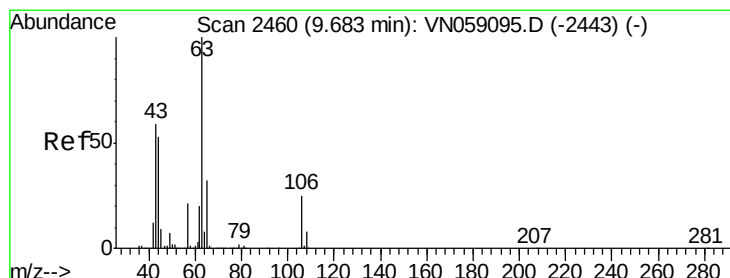
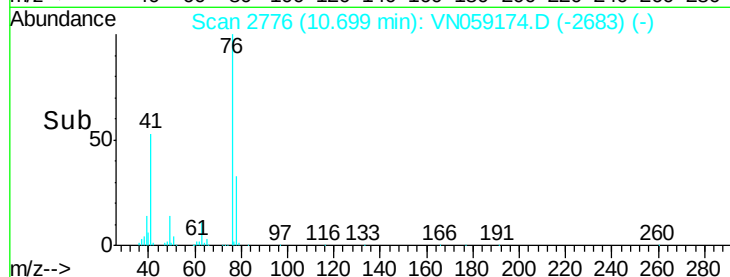
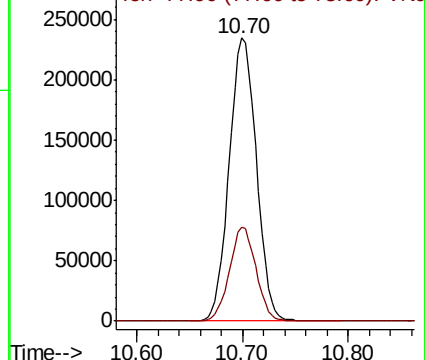
76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 284.783 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059174.D

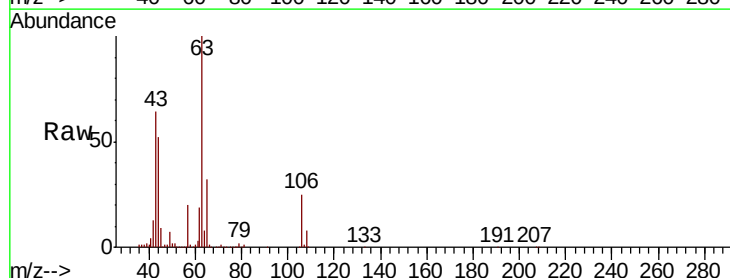
Acq: 11 Nov 2019 20:04

Tgt Ion: 63 Resp: 770851

Ion Ratio Lower Upper

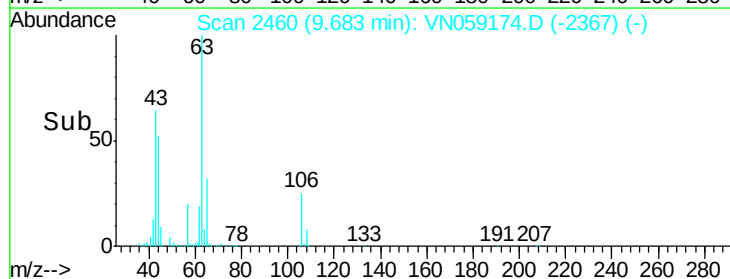
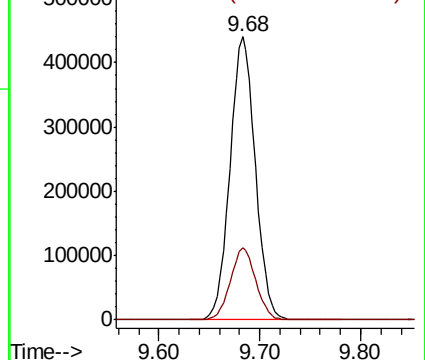
63 100

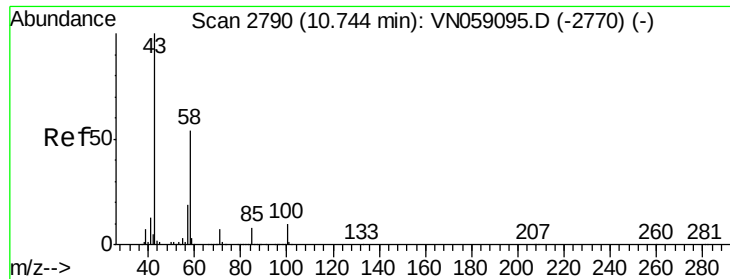
106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

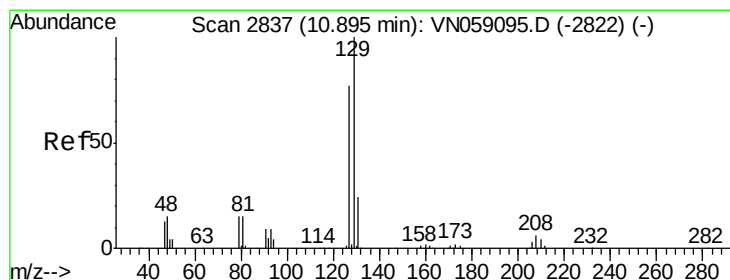
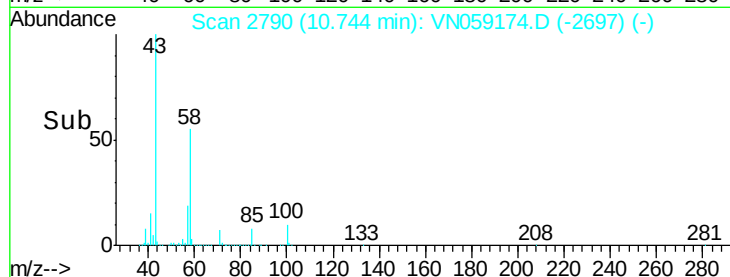
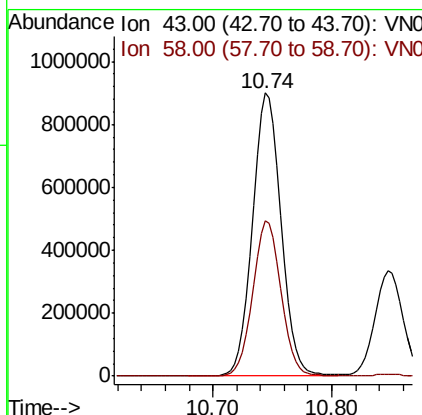
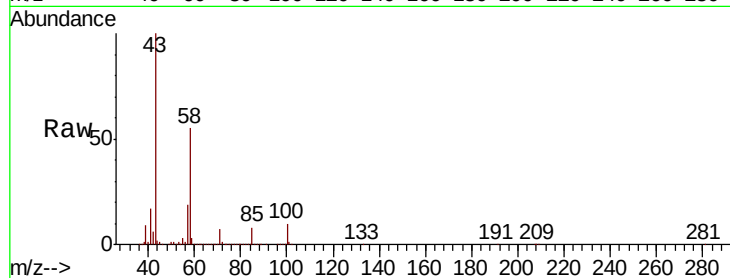




#59
2-Hexanone
Concen: 291.371 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

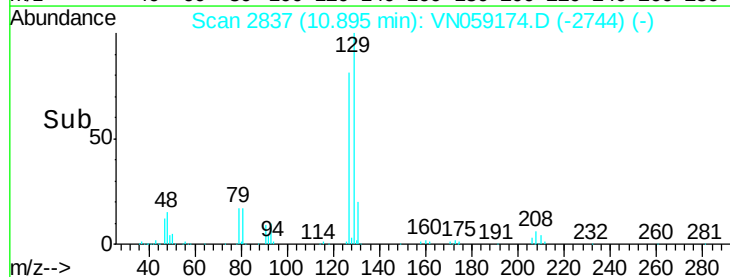
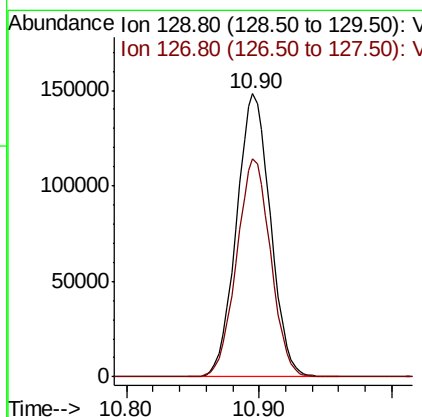
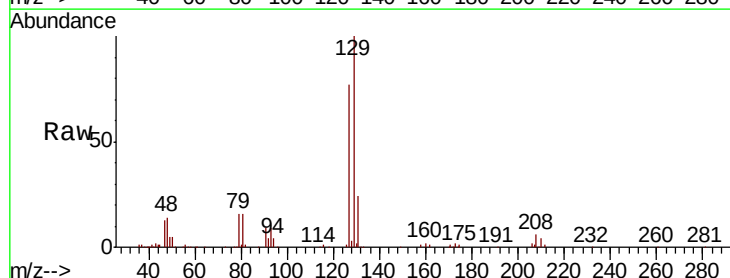
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

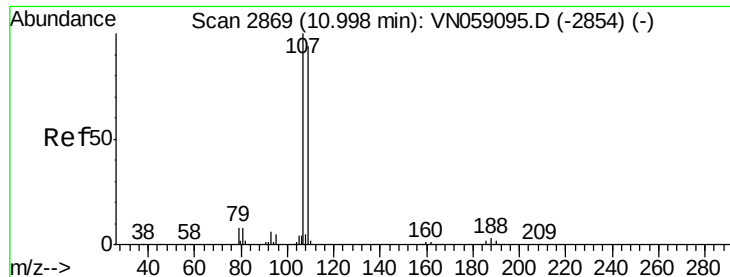
Tot Ion: 43 Resp: 1494341
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8



#60
Dibromochloromethane
Concen: 51.159 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion: 129 Resp: 263077
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.724 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

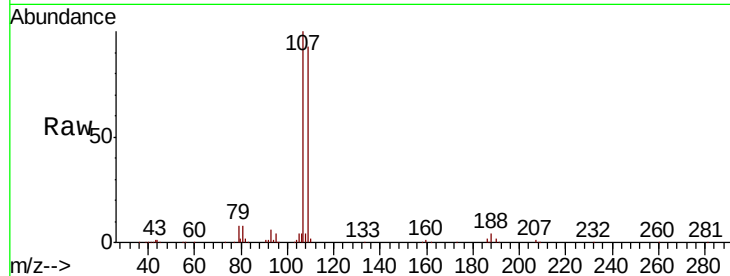
VSTDCCC050EC

Tot Ion: 107 Resp: 249749

Ion Ratio Lower Upper

107 100

109 95.0 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

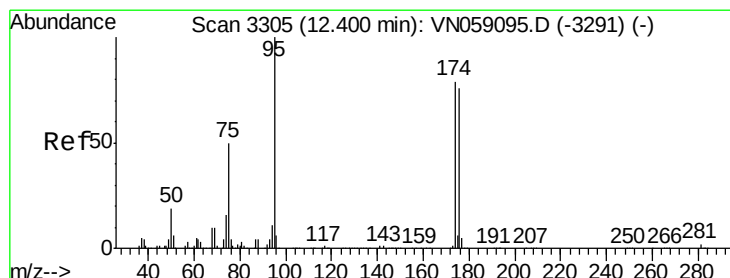
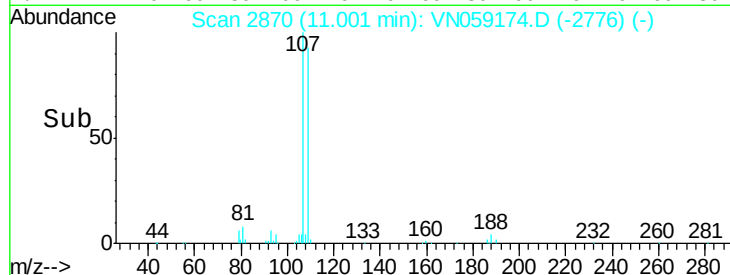
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.028 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

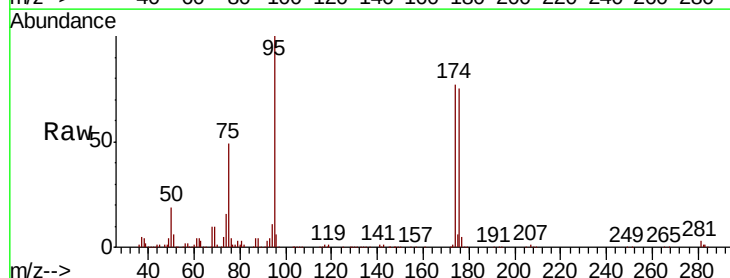
Tgt Ion: 95 Resp: 308251

Ion Ratio Lower Upper

95 100

174 78.5 0.0 158.2

176 76.6 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

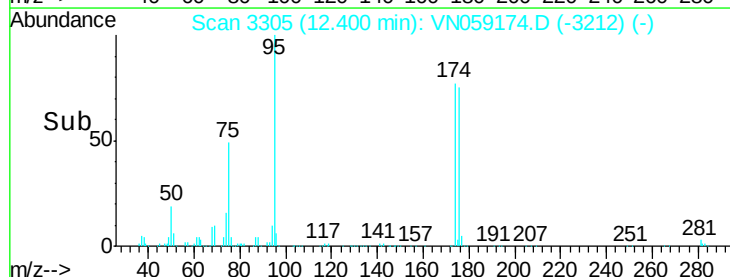
150000

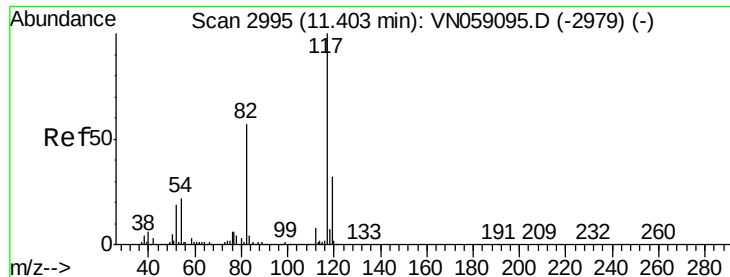
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

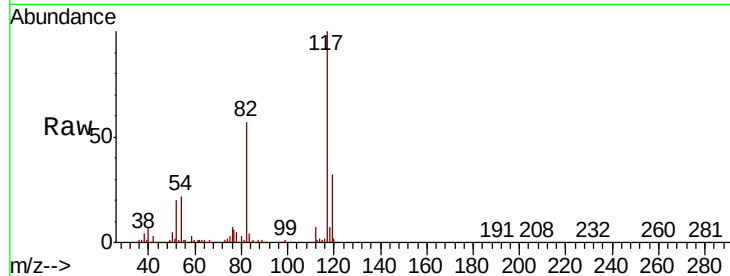
Tot Ion:117 Resp: 657154

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.8

119 32.1 25.8 38.6



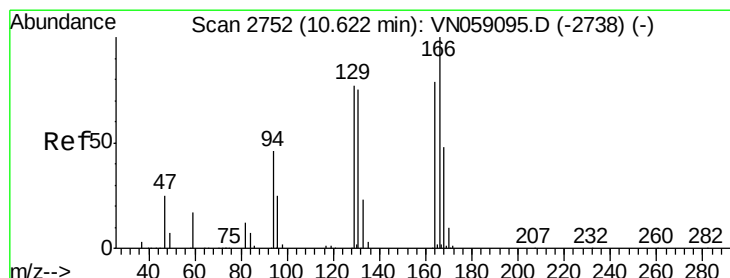
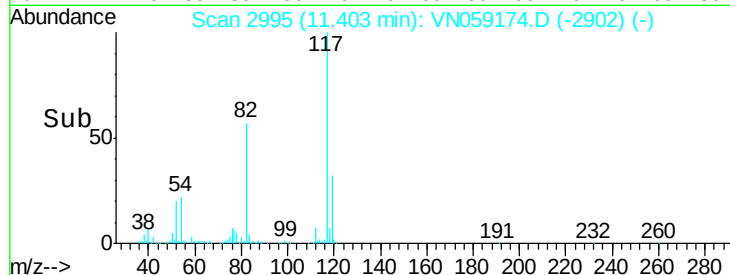
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V

11.40

Time--> 11.30 11.35 11.40 11.45



#64

Tetrachloroethene

Concen: 45.570 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:164 Resp: 203630

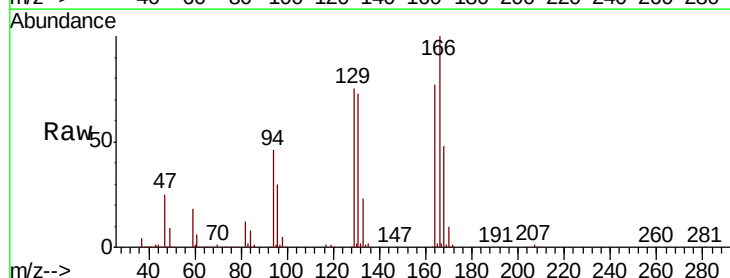
Ion Ratio Lower Upper

164 100

166 129.5 101.5 152.3

129 97.0 78.3 117.5

131 94.5 75.9 113.9



Abundance Ion 163.80 (163.50 to 164.50): V

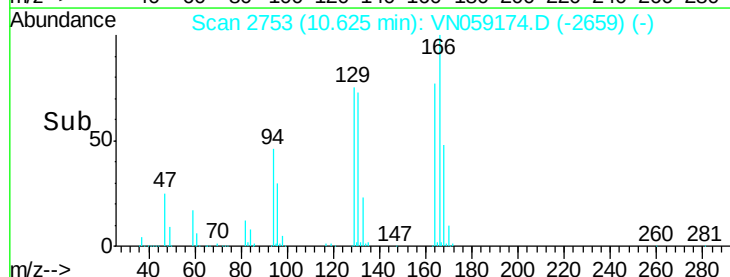
Ion 165.80 (165.50 to 166.50): V

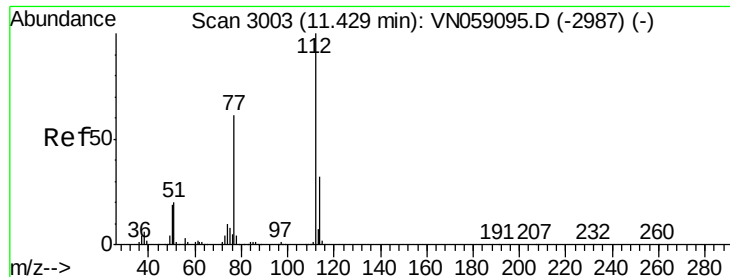
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

10.63

Time--> 10.60 10.63 10.67





#65

Chlorobenzene

Concen: 48.762 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

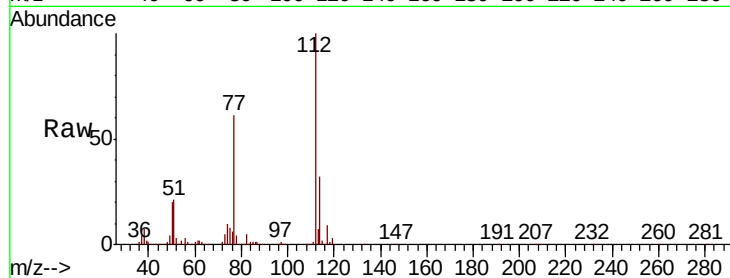
VSTDCCC050EC

Tot Ion:112 Resp: 624671

Ion Ratio Lower Upper

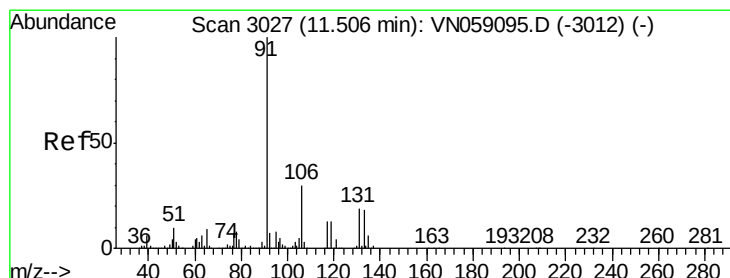
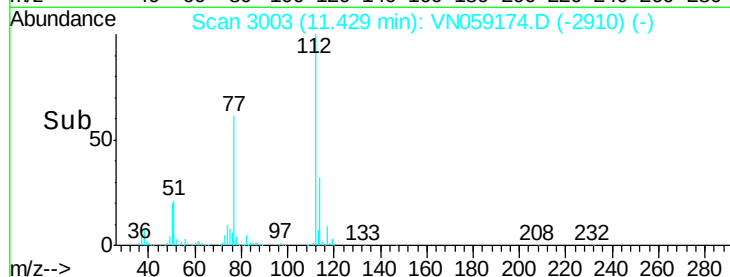
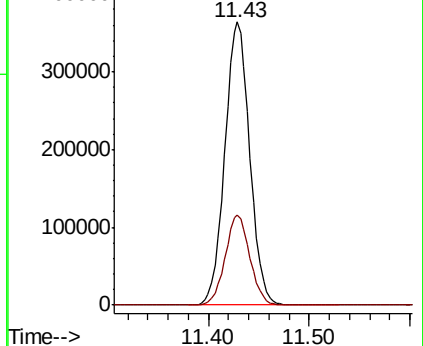
112 100

114 32.1 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.348 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

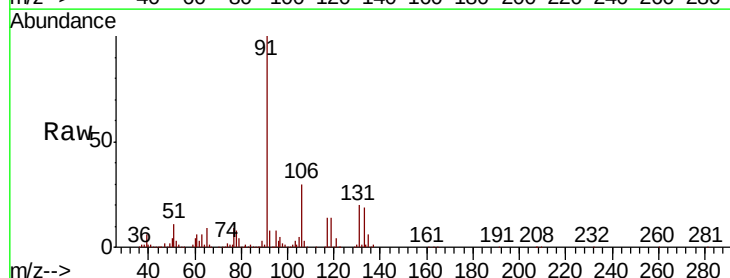
Tgt Ion:131 Resp: 237141

Ion Ratio Lower Upper

131 100

133 97.3 47.4 142.3

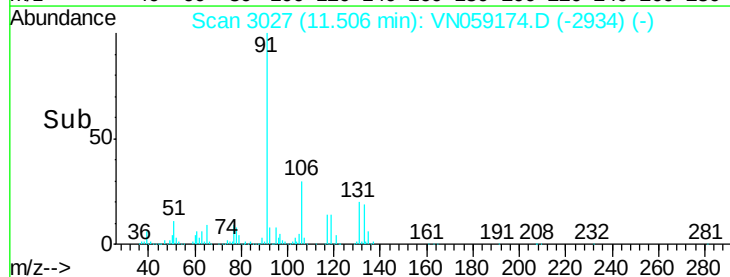
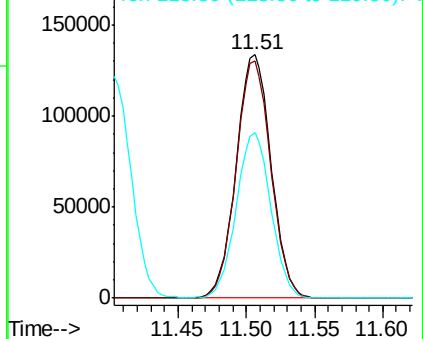
119 67.5 33.2 99.6

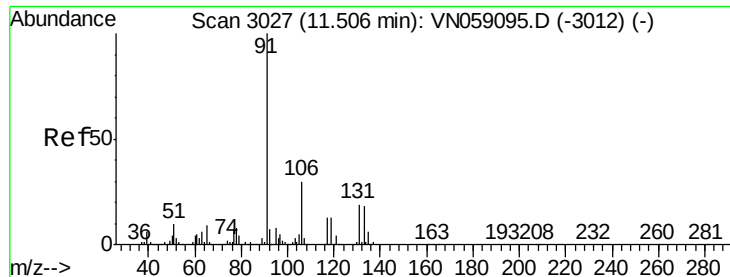


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.141 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

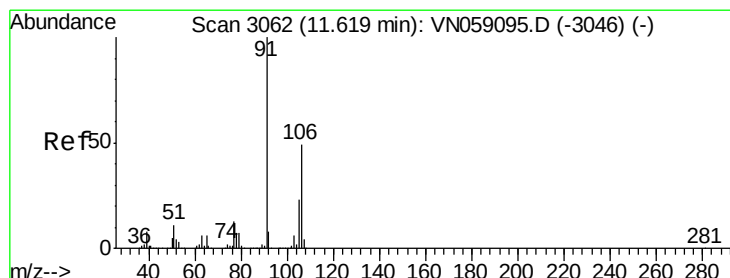
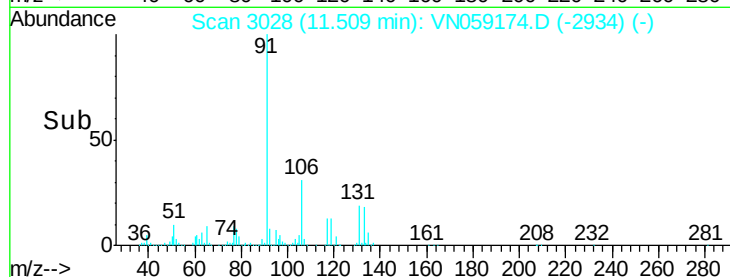
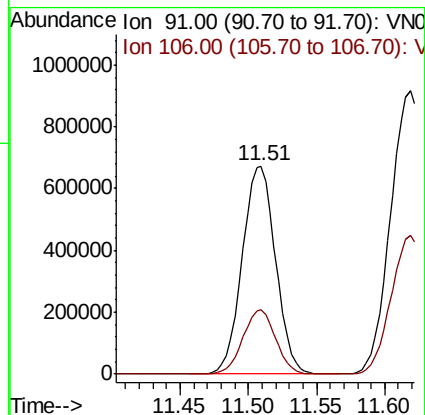
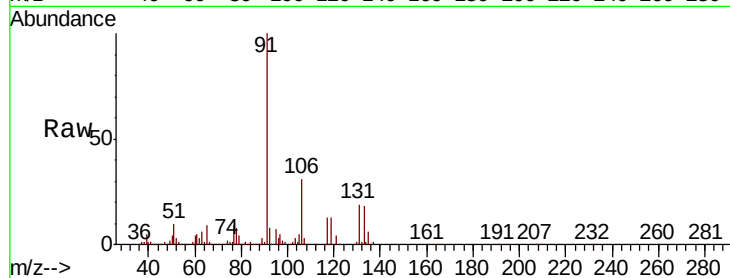
VSTDCCC050EC

Tot Ion: 91 Resp: 1139631

Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1



#68

m/p-Xylenes

Concen: 99.635 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059174.D

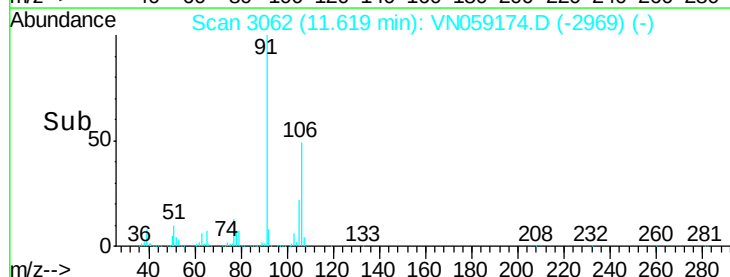
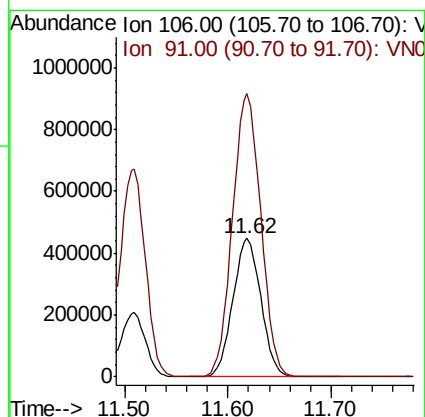
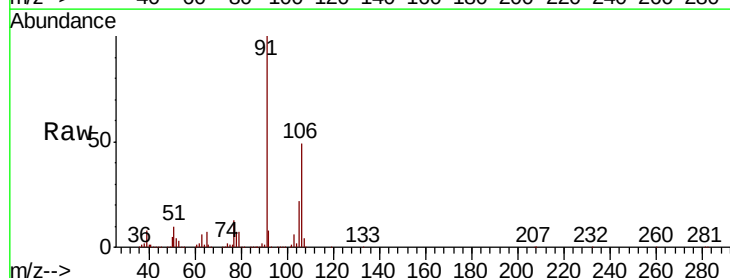
Acq: 11 Nov 2019 20:04

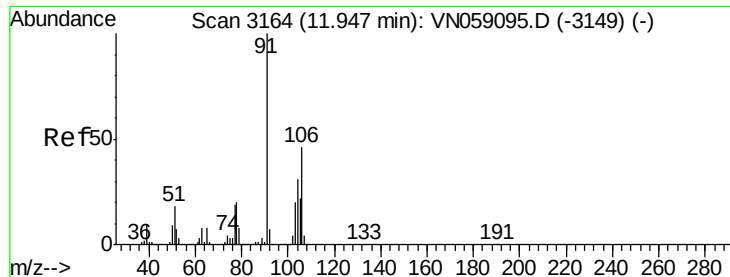
Tgt Ion: 106 Resp: 848282

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1

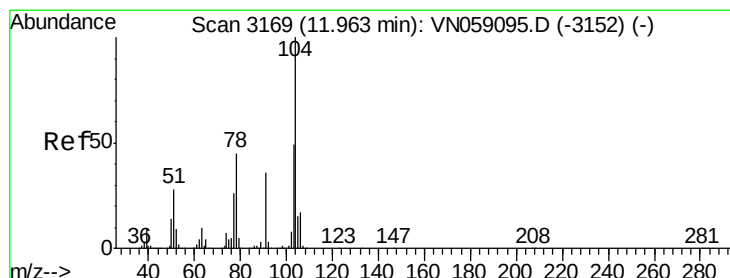
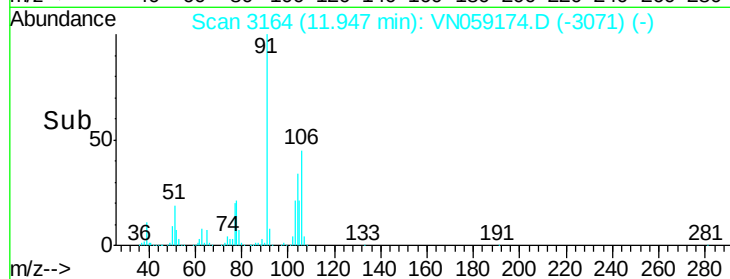
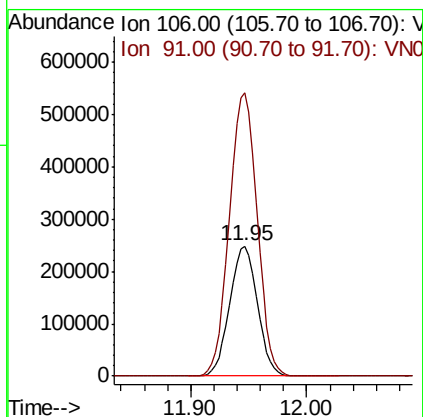
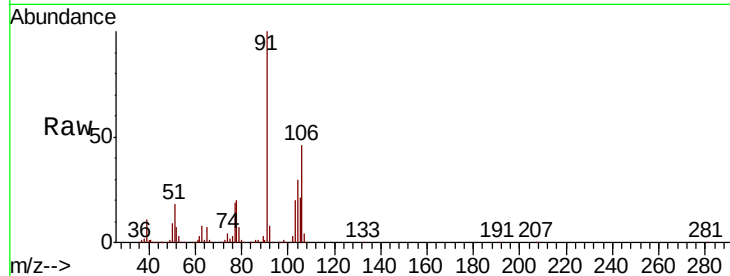




#69
o-Xylene
Concen: 49.681 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

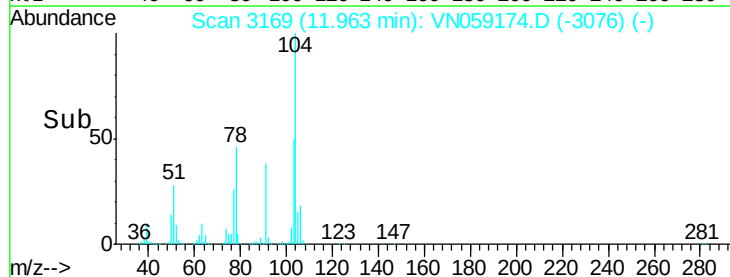
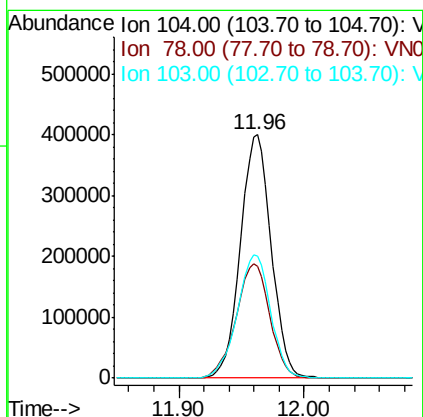
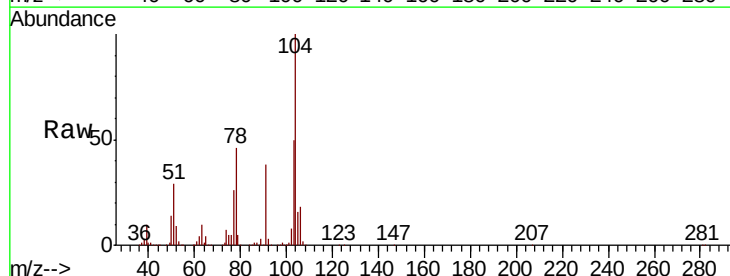
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

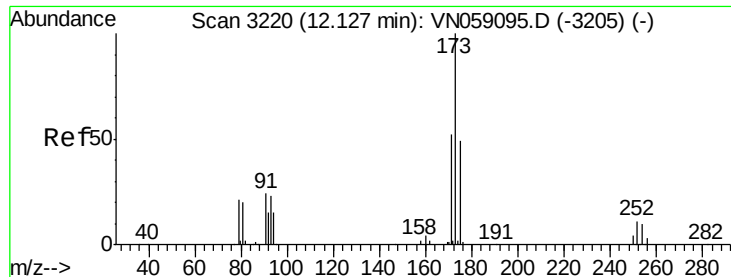
Tot Ion:106 Resp: 408770
Ion Ratio Lower Upper
106 100
91 218.6 110.1 330.3



#70
Styrene
Concen: 52.872 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion:104 Resp: 684176
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 55.0 43.8 65.6

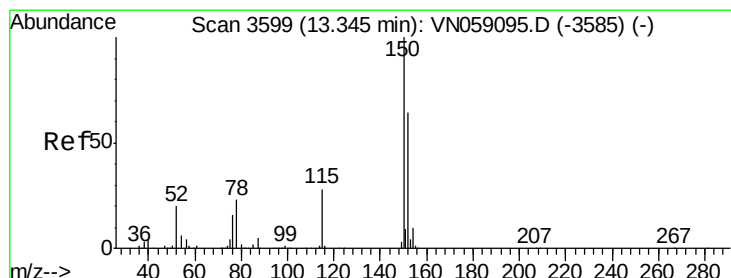
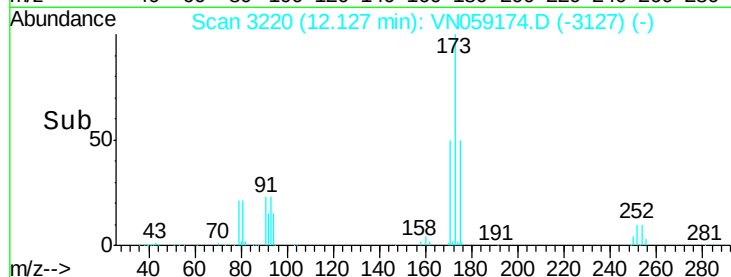
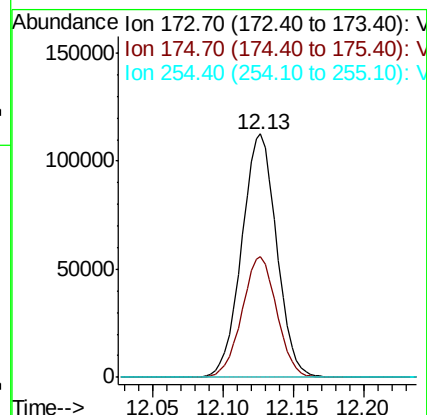
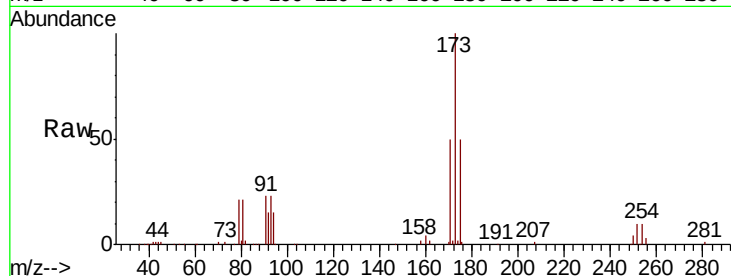




#71
Bromoform
Concen: 52.197 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

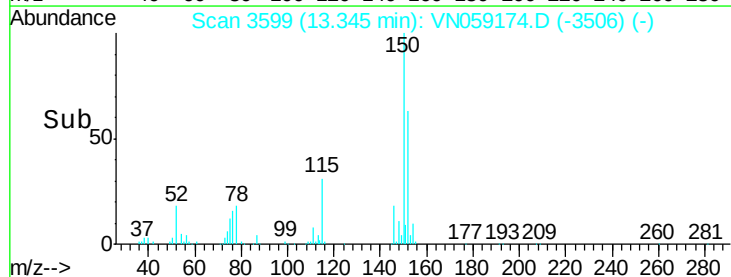
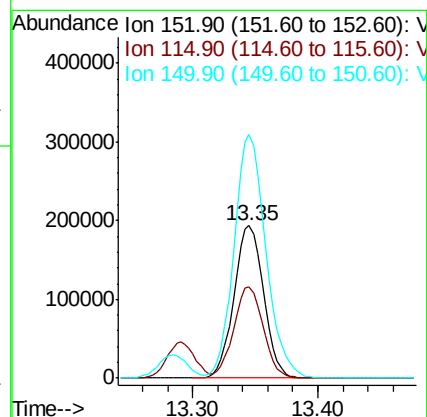
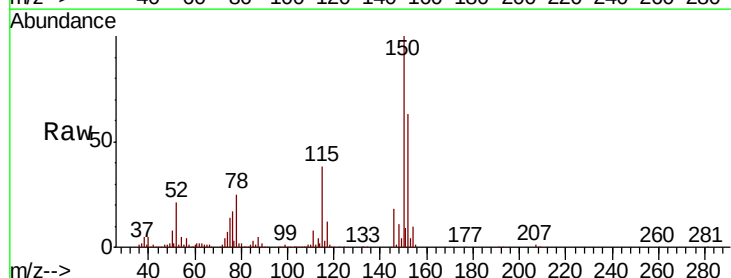
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

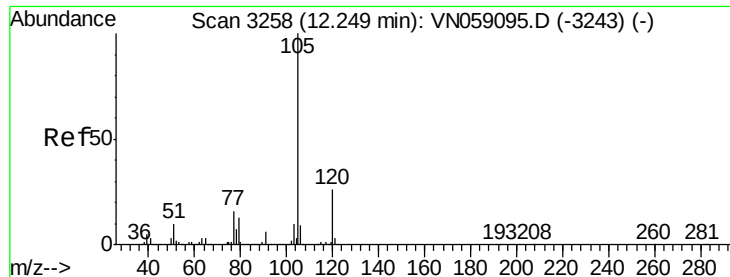
Tot Ion:173 Resp: 195107
Ion Ratio Lower Upper
173 100
175 49.4 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion:152 Resp: 317125
Ion Ratio Lower Upper
152 100
115 59.4 29.4 88.2
150 171.4 0.0 345.8





#73

Isopropylbenzene

Concen: 47.855 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

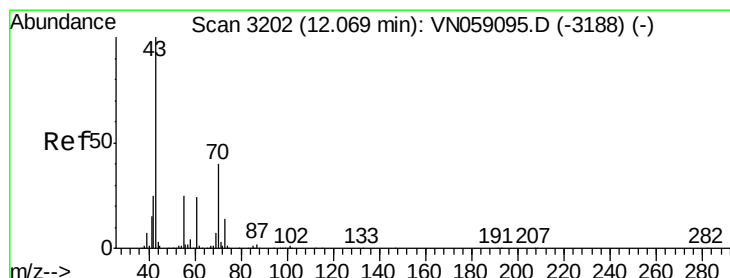
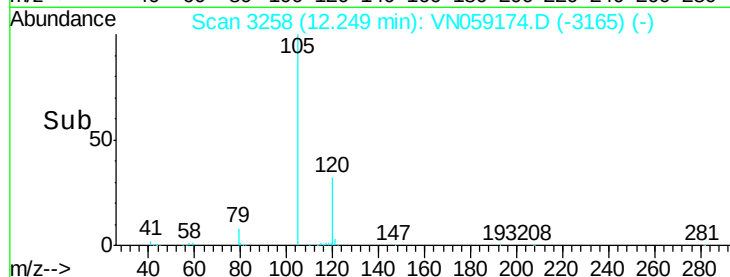
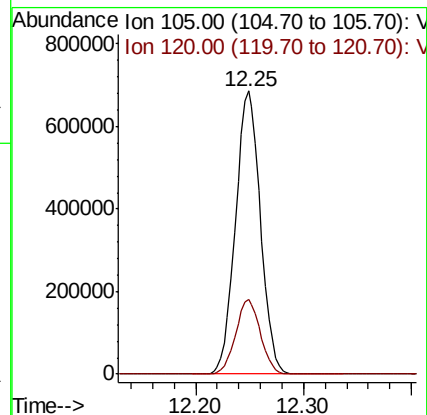
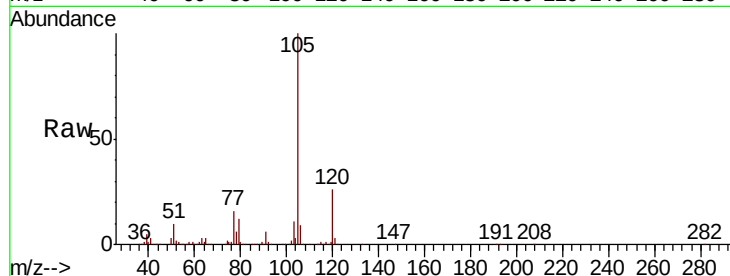
VSTDCCC050EC

Tot Ion:105 Resp: 1103904

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#74

N-ethyl acetate

Concen: 52.735 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion: 43 Resp: 515473

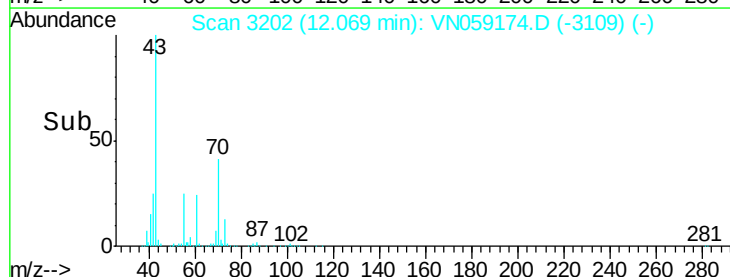
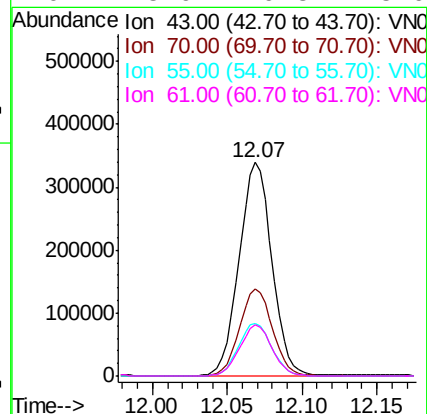
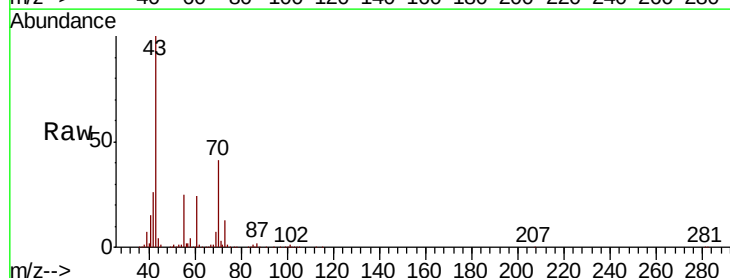
Ion Ratio Lower Upper

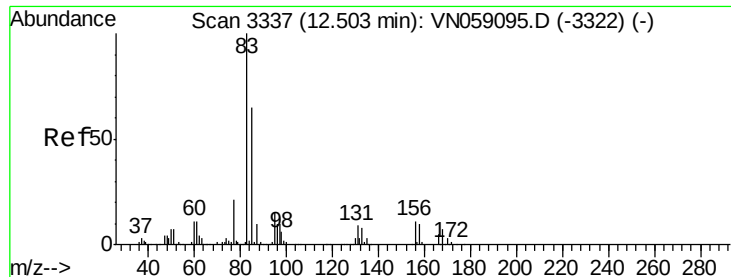
43 100

70 41.3 32.2 48.4

55 25.3 20.4 30.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.221 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

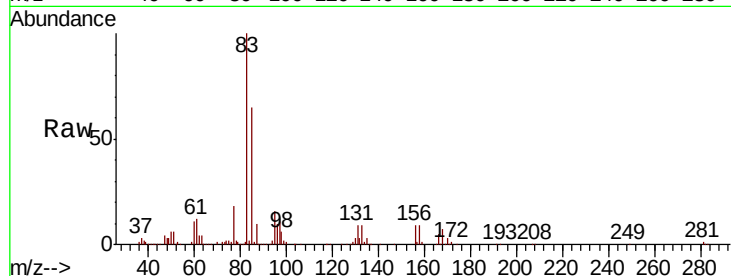
Tot Ion: 83 Resp: 386663

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

85 64.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059174.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059174.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059174.D (-3244) (-)

12.50

250000

200000

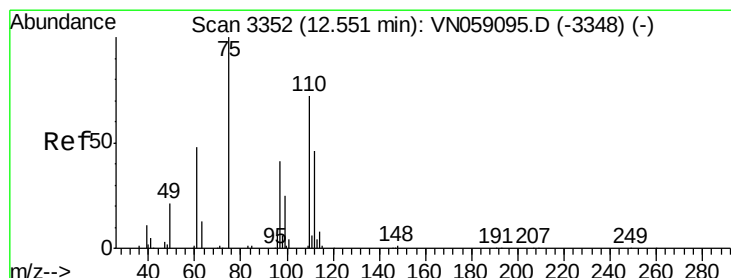
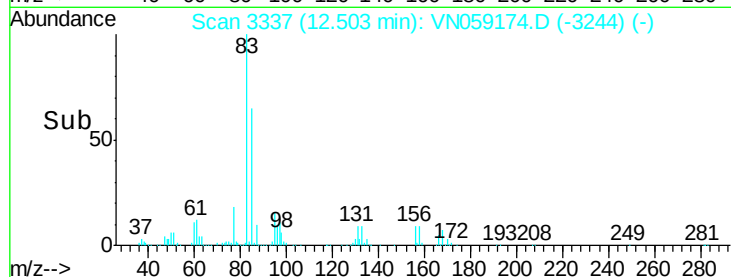
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 71.954 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059174.D

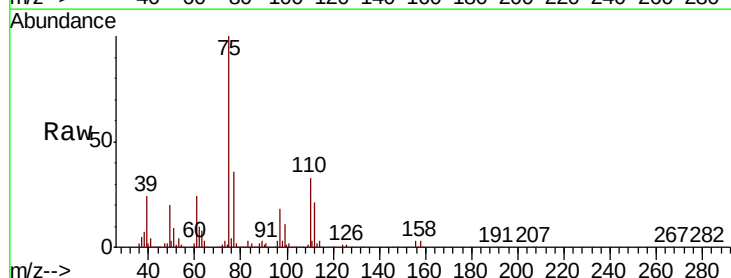
Acq: 11 Nov 2019 20:04

Tgt Ion: 75 Resp: 519496

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059174.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059174.D (-3259) (-)

12.55

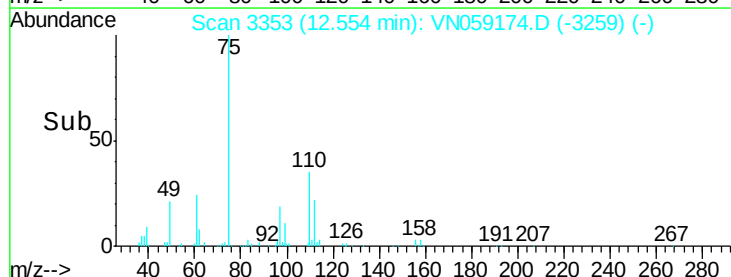
300000

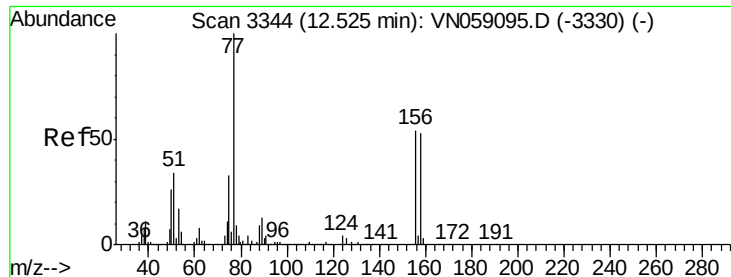
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 46.617 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

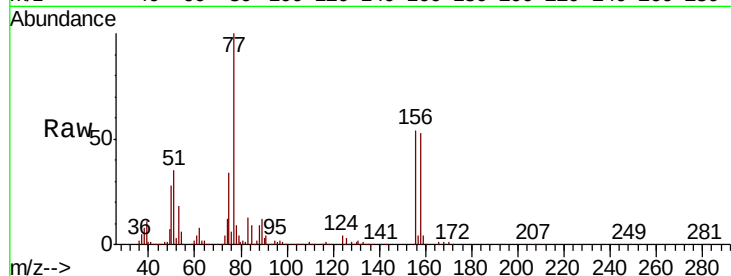
Tot Ion:156 Resp: 270173

Ion Ratio Lower Upper

156 100

77 227.3 112.8 338.3

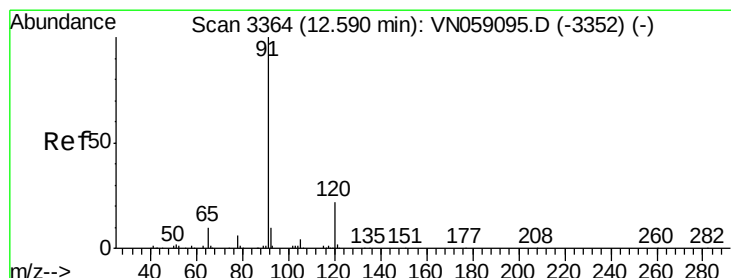
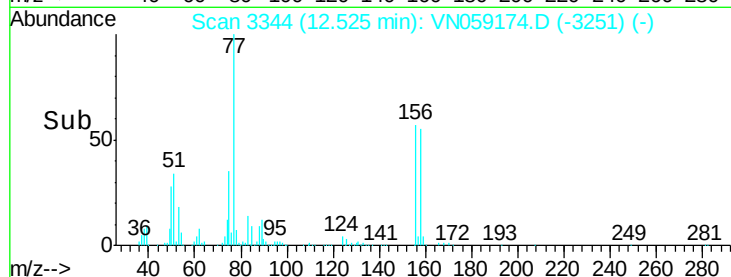
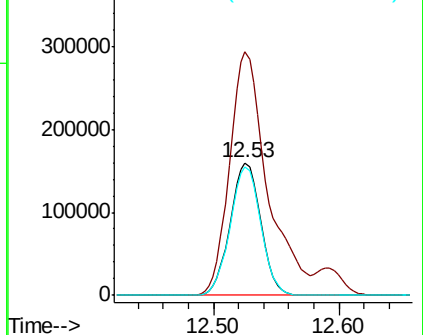
158 97.0 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.379 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059174.D

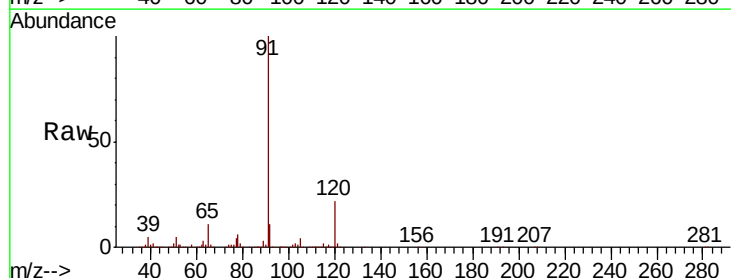
Acq: 11 Nov 2019 20:04

Tgt Ion: 91 Resp: 1304229

Ion Ratio Lower Upper

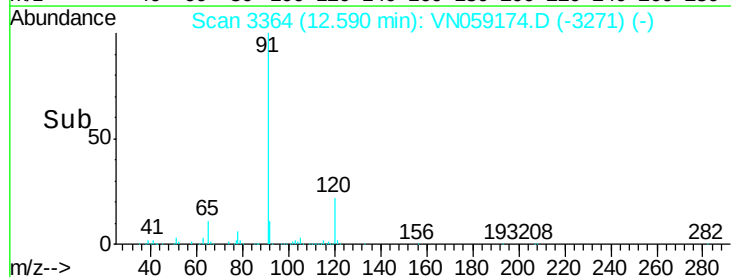
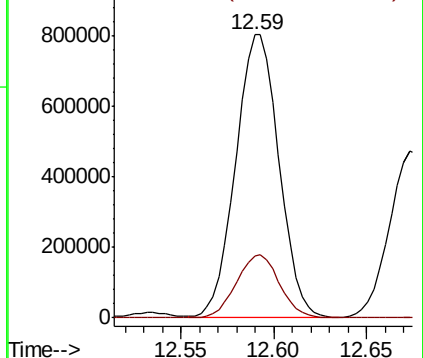
91 100

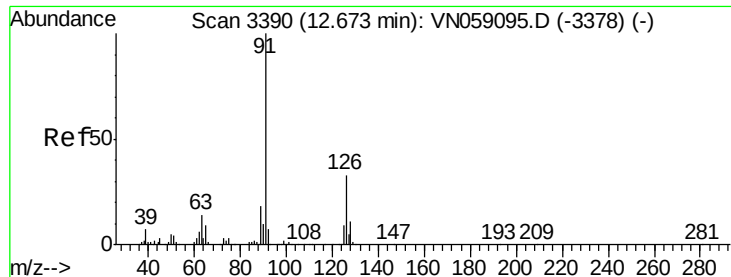
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.343 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

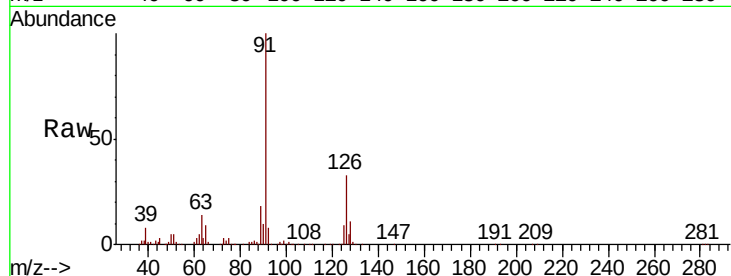
VSTDCCC050EC

Tot Ion: 91 Resp: 775722

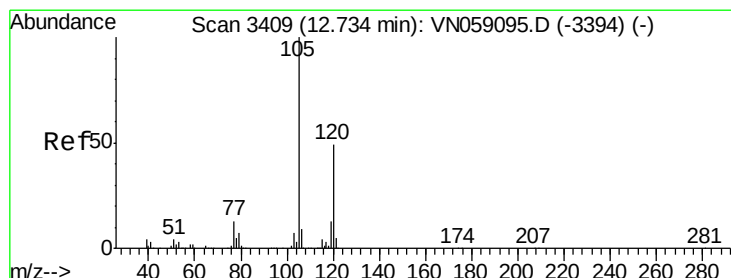
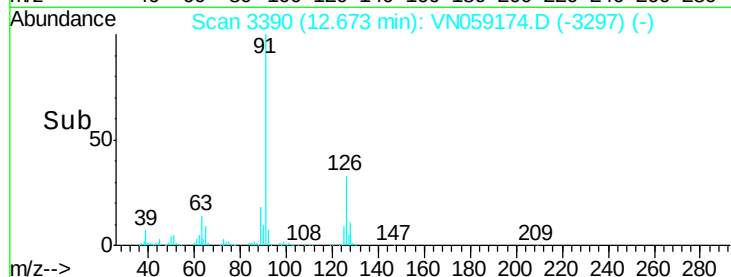
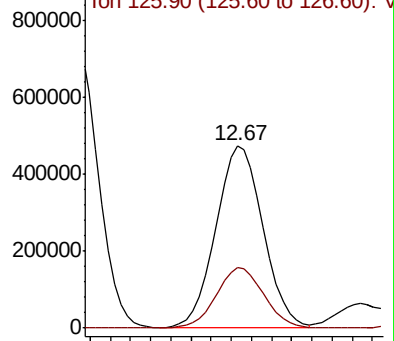
Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059174.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.564 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059174.D

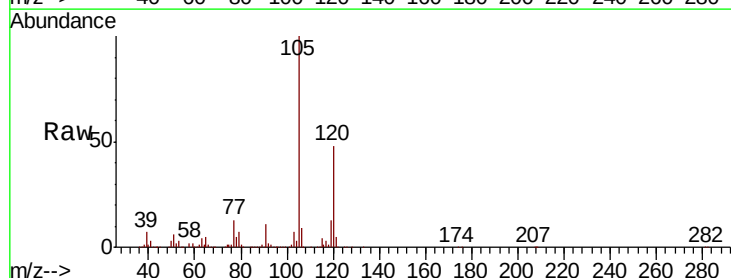
Acq: 11 Nov 2019 20:04

Tgt Ion: 105 Resp: 949268

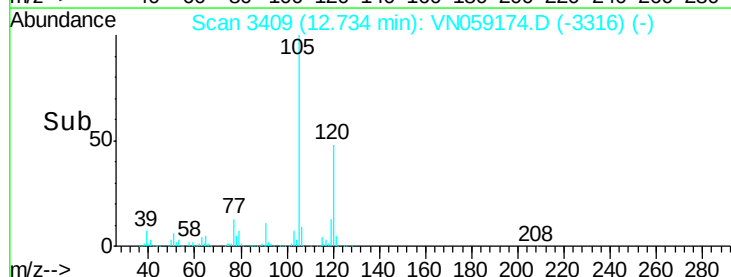
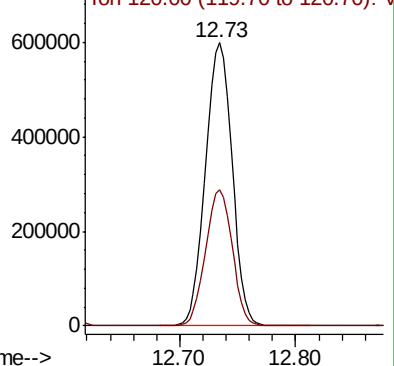
Ion Ratio Lower Upper

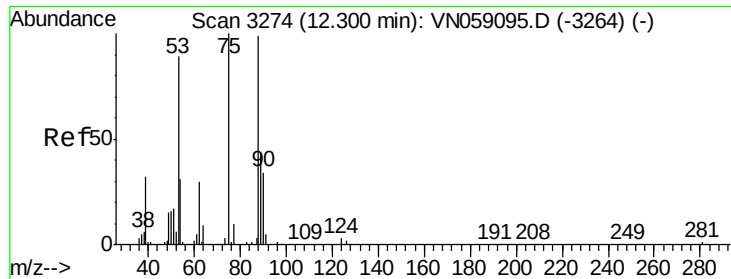
105 100

120 48.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059174.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.957 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

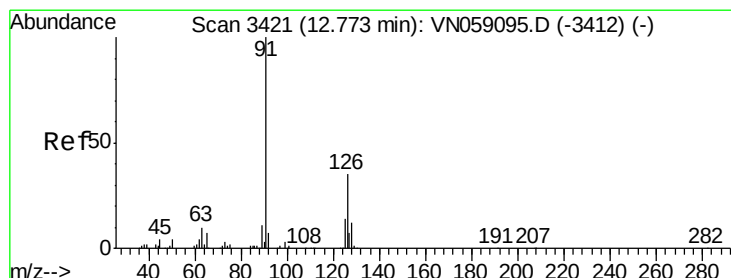
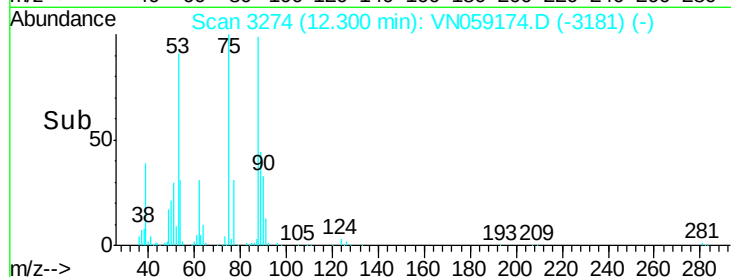
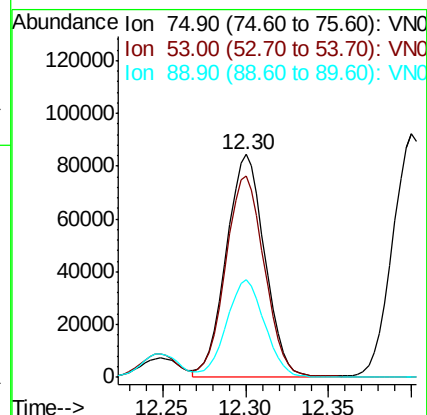
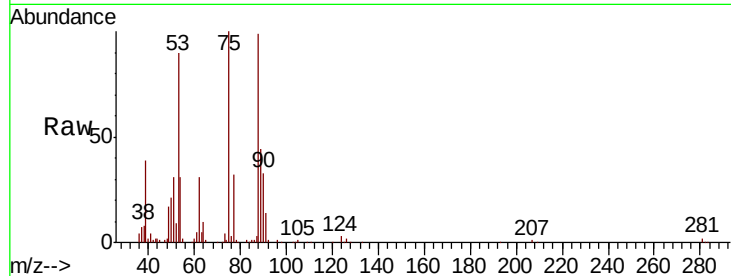
Tot Ion: 75 Resp: 136556

Ion Ratio Lower Upper

75 100

53 91.7 72.2 108.2

89 43.4 35.8 53.8



#82

4-Chlorotoluene

Concen: 48.414 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059174.D

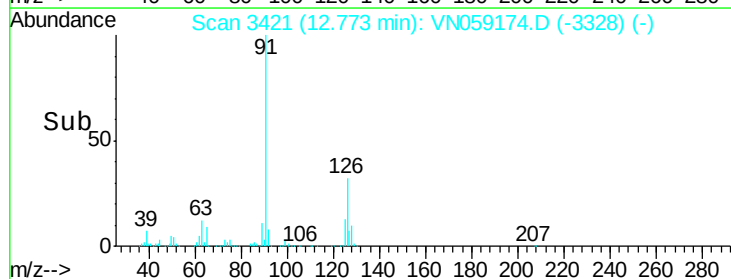
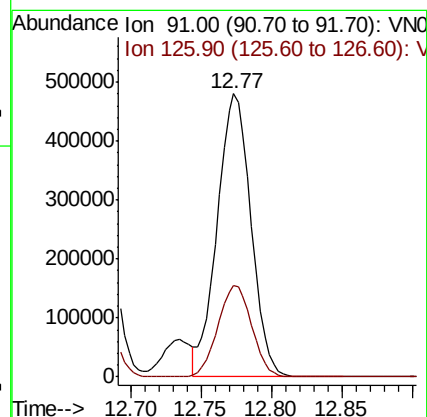
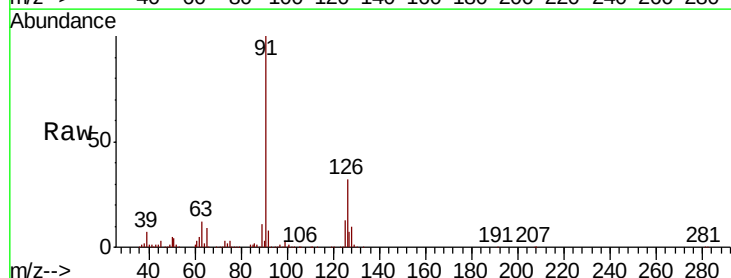
Acq: 11 Nov 2019 20:04

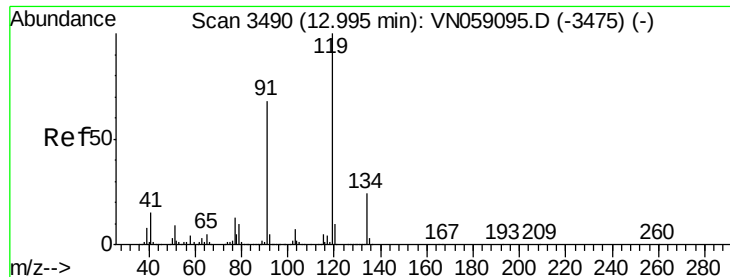
Tgt Ion: 91 Resp: 795632

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2

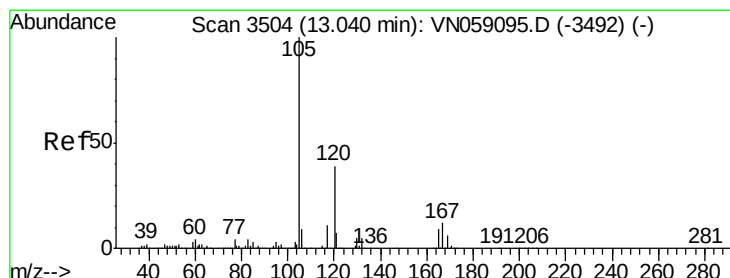
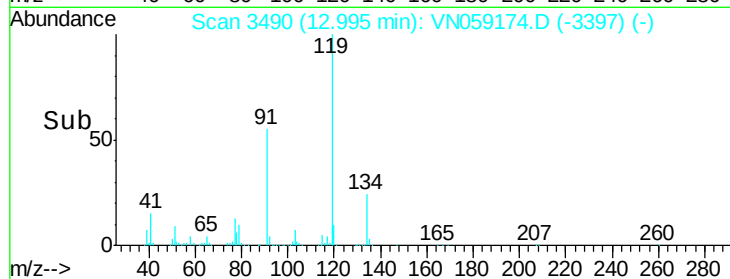
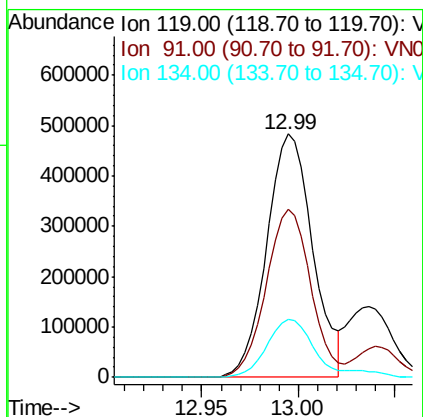
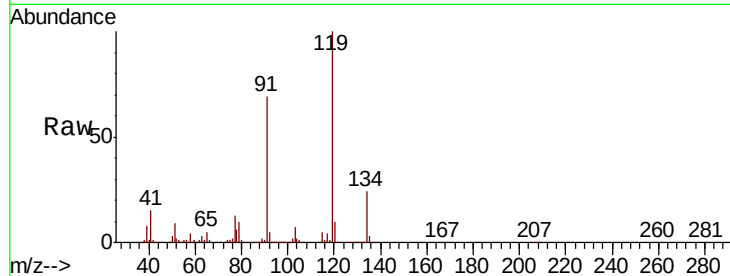




#83
 tert-Butylbenzene
 Concen: 47.419 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

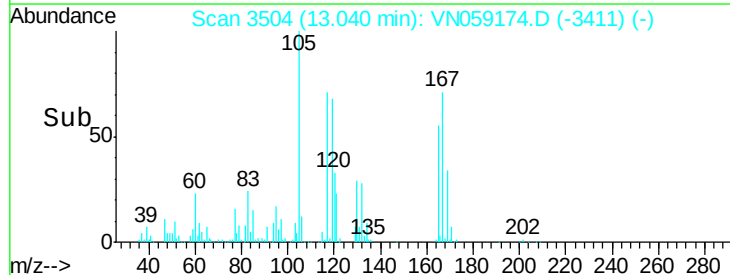
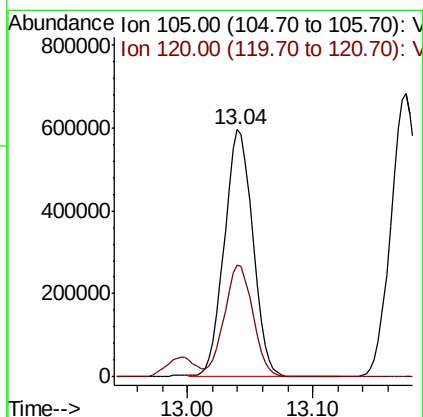
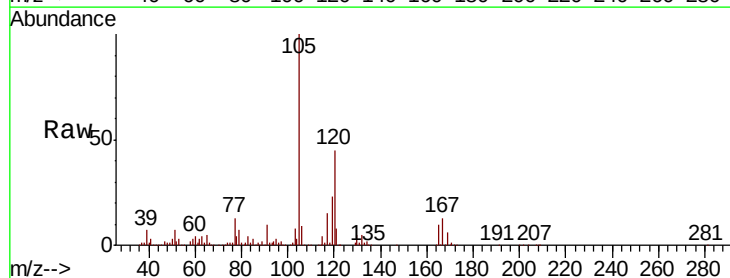
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

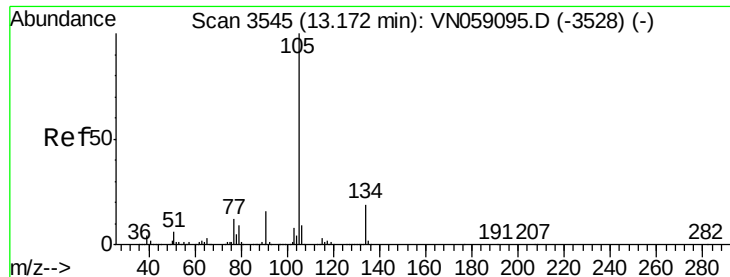
Tot Ion:119 Resp: 800426
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.2 99.6
 134 25.7 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.581 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion:105 Resp: 937627
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.8 68.4





#85

sec-Butylbenzene

Concen: 49.030 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

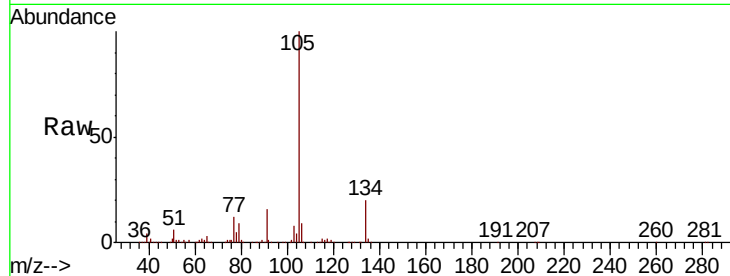
VSTDCCC050EC

Tot Ion:105 Resp: 1076361

Ion Ratio Lower Upper

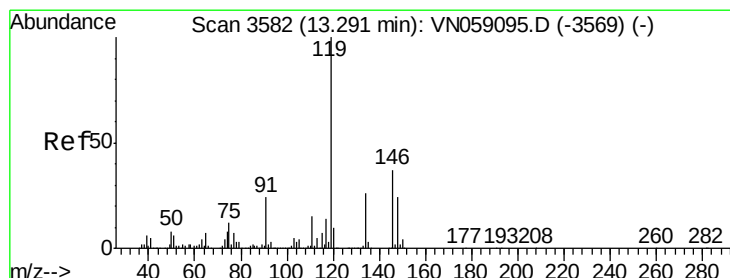
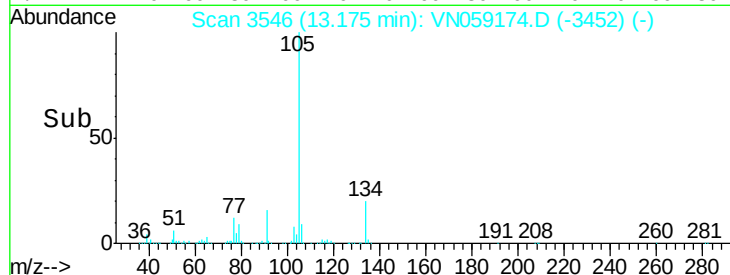
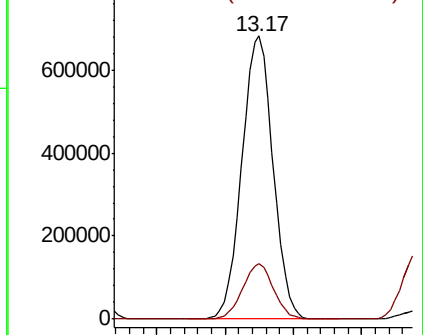
105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.251 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

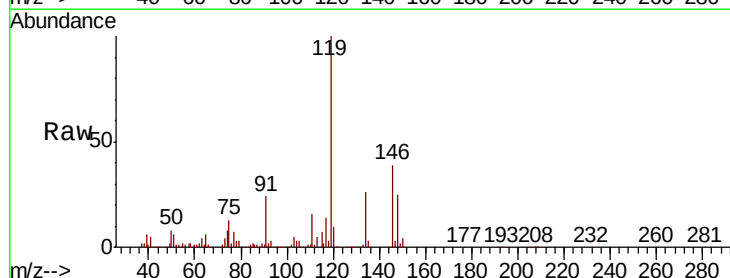
Tgt Ion:119 Resp: 974074

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

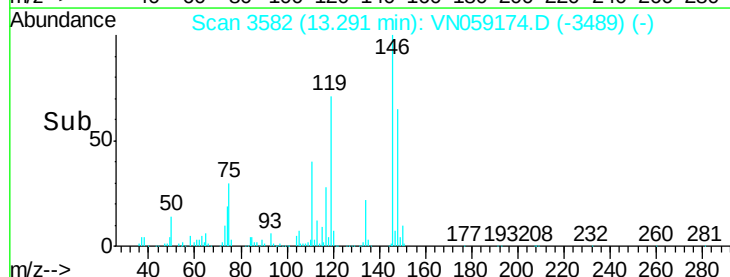
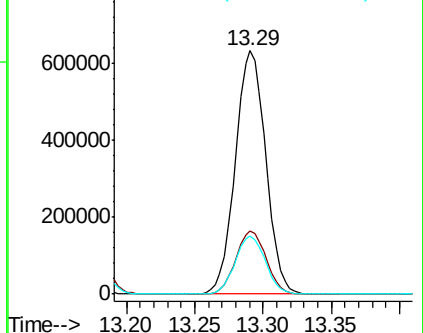
91 23.7 11.7 35.1

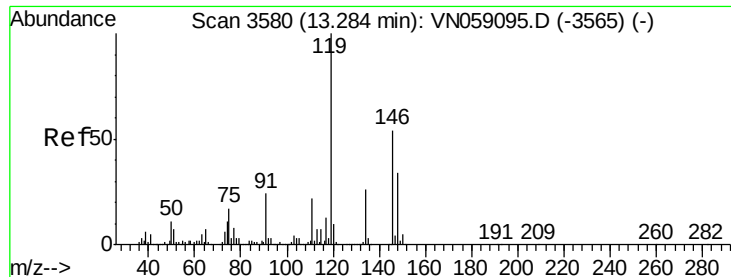


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.978 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

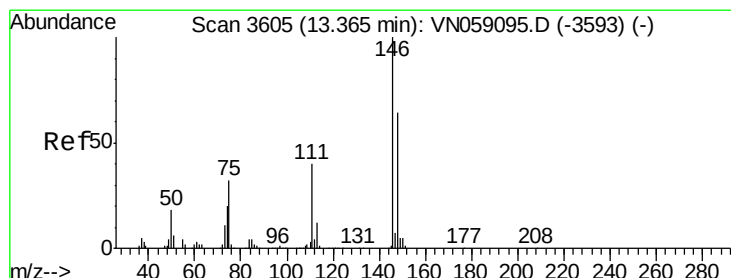
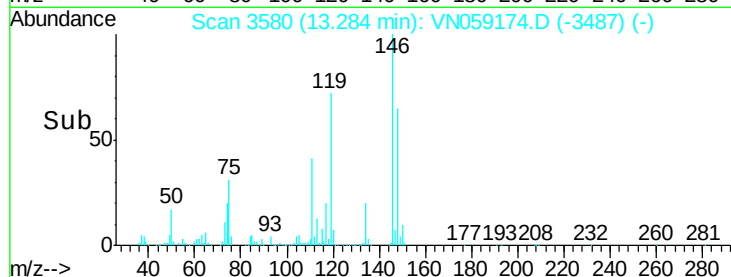
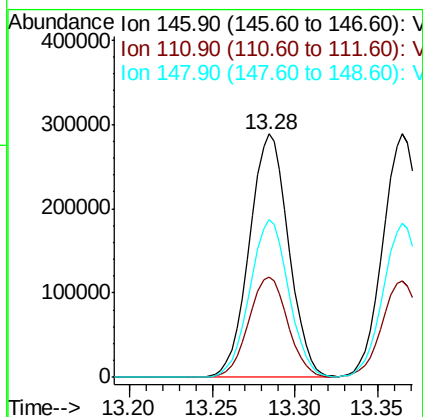
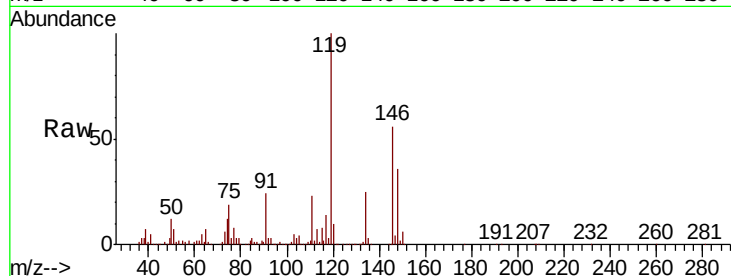
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	476154
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	64.2	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 47.585 ug/l

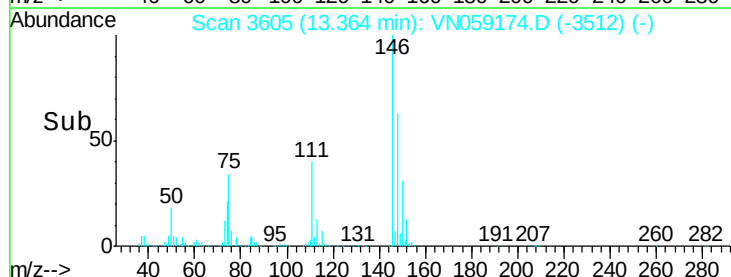
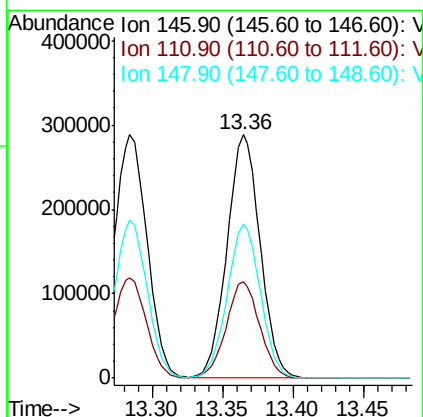
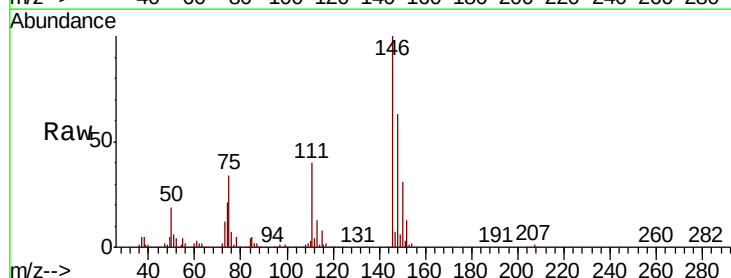
RT: 13.36 min Scan# 3605

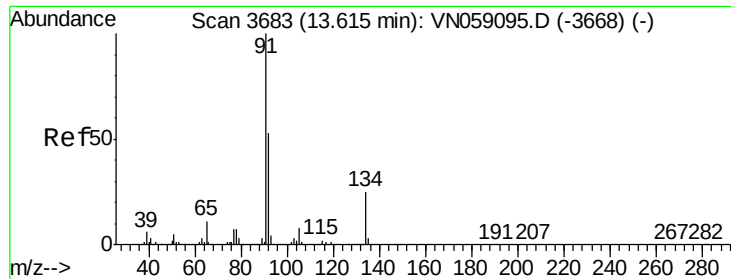
Delta R.T. -0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Tgt Ion:	146	Resp:	472509
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	63.8	31.9	95.7

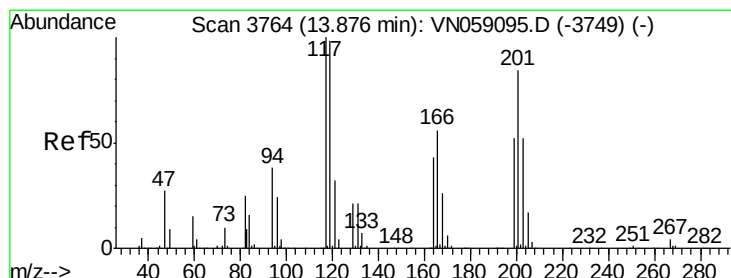
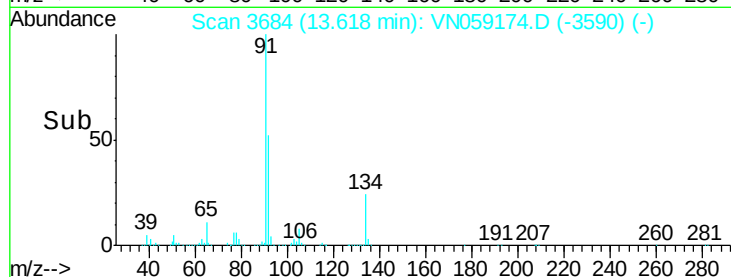
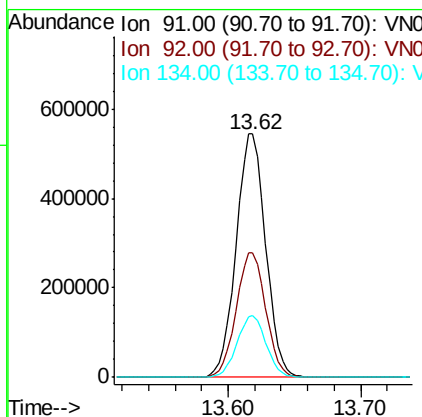
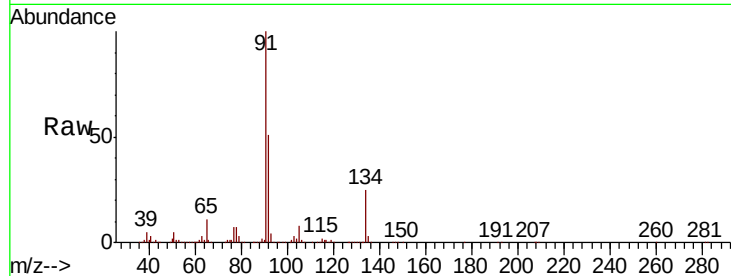




#89
n-Butylbenzene
Concen: 49.514 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

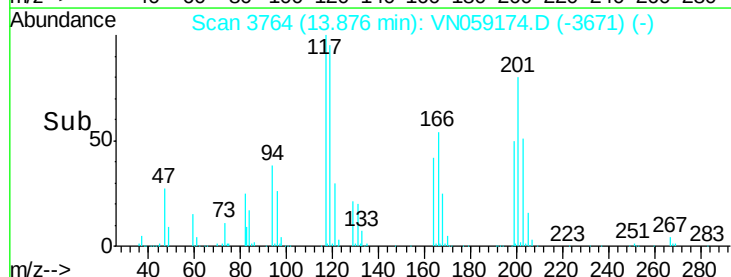
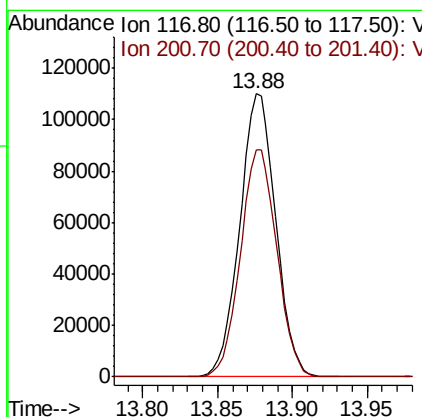
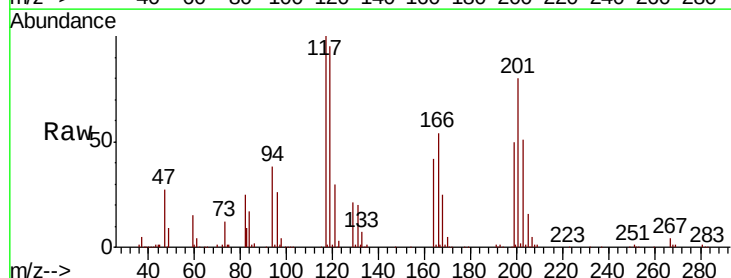
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

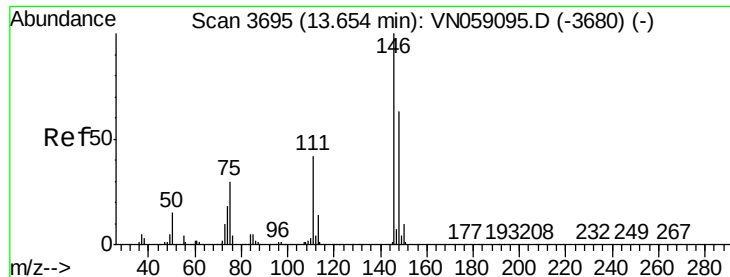
Tot Ion: 91 Resp: 840031
Ion Ratio Lower Upper
91 100
92 51.5 26.1 78.3
134 25.0 12.6 37.8



#90
Hexachloroethane
Concen: 47.358 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion: 117 Resp: 184335
Ion Ratio Lower Upper
117 100
201 81.1 41.8 125.3

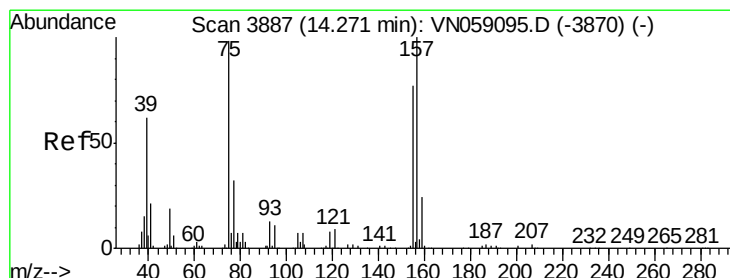
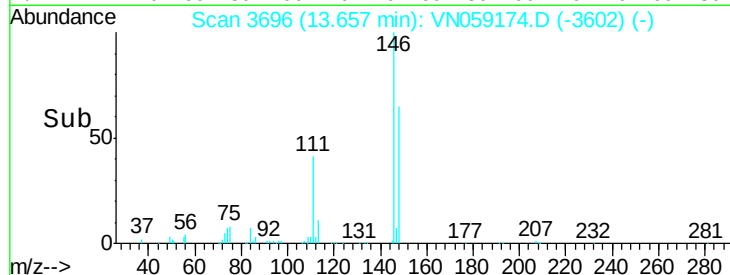
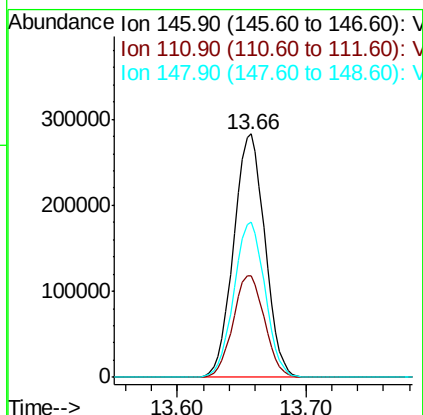
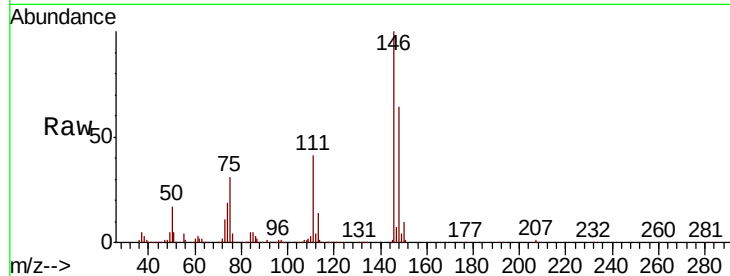




#91
 1,2-Dichlorobenzene
 Concen: 48.903 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

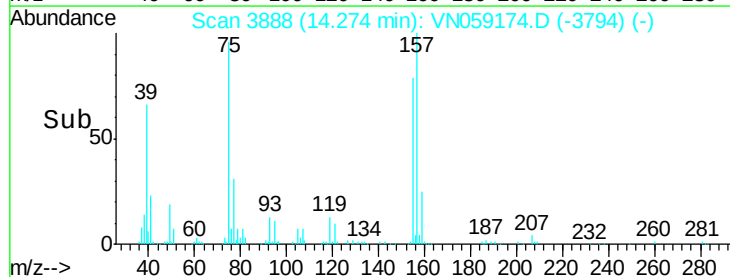
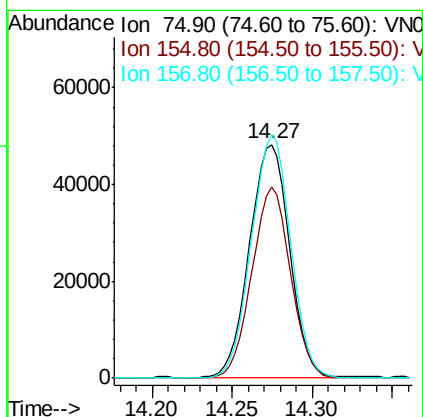
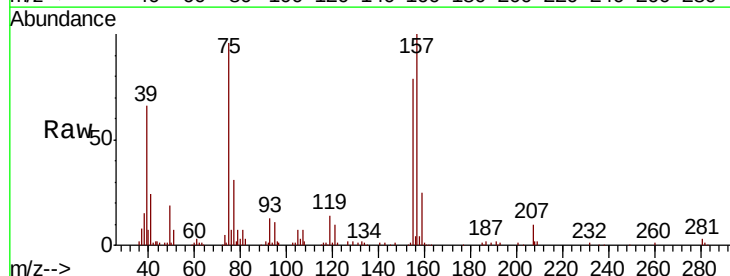
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

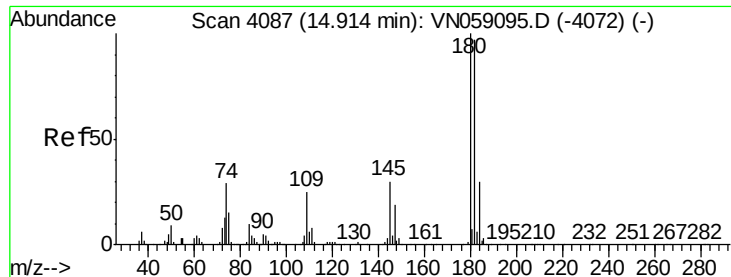
Tot Ion:146 Resp: 477429
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.2 63.6
 148 63.3 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.147 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion: 75 Resp: 83299
 Ion Ratio Lower Upper
 75 100
 155 78.5 40.2 120.6
 157 101.7 51.8 155.5

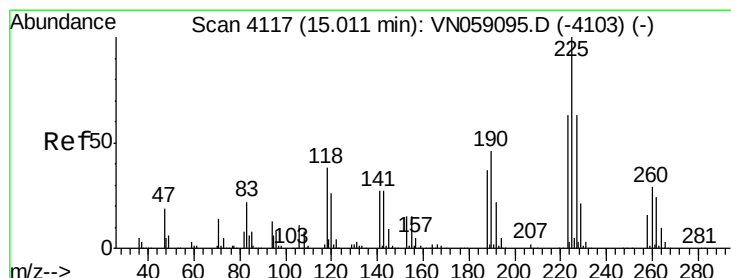
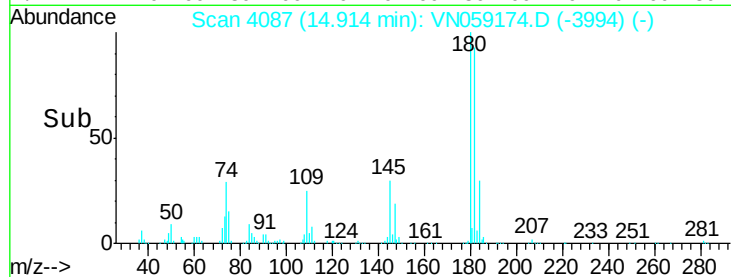
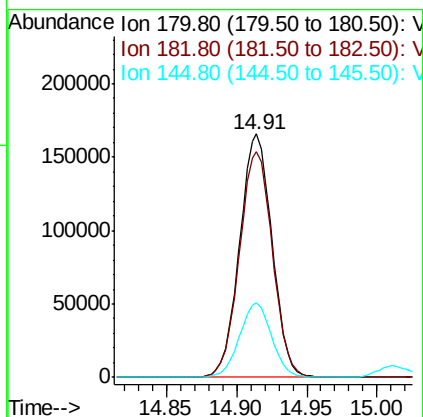
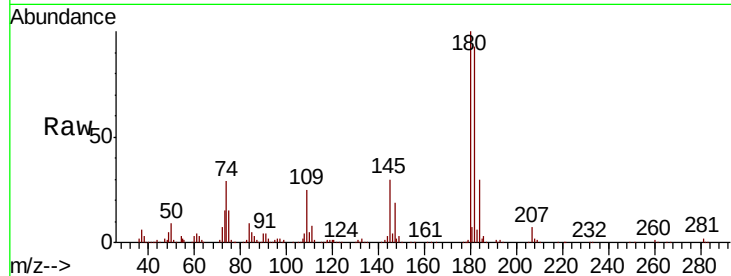




#93
 1,2,4-Trichlorobenzene
 Concen: 45.442 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

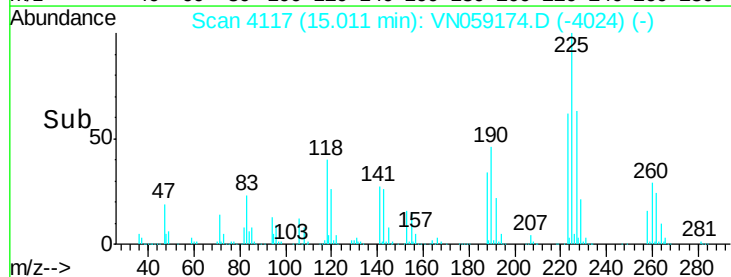
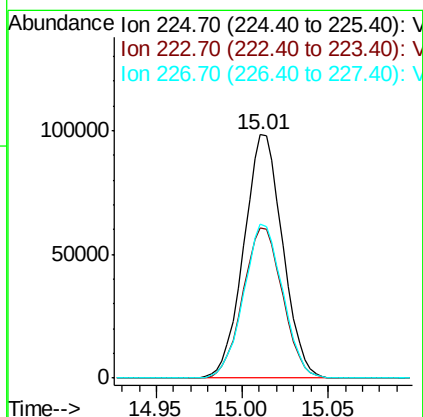
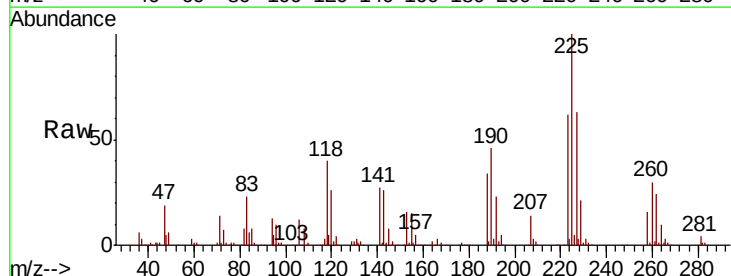
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

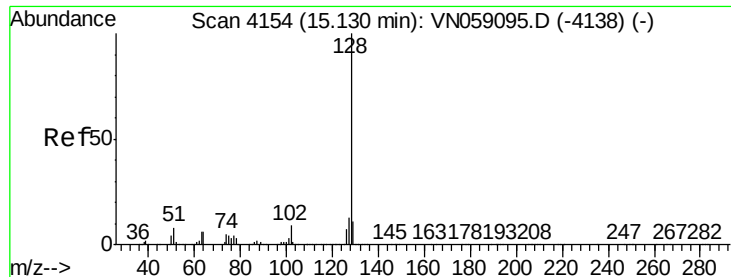
Tot Ion:180 Resp: 267414
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.1 144.3
 145 30.2 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 45.746 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Tgt Ion:225 Resp: 153993
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.9
 227 63.6 31.5 94.5

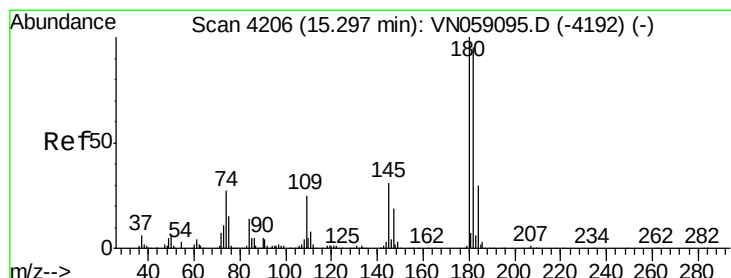
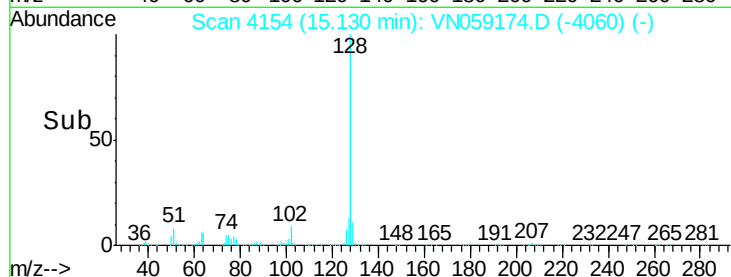
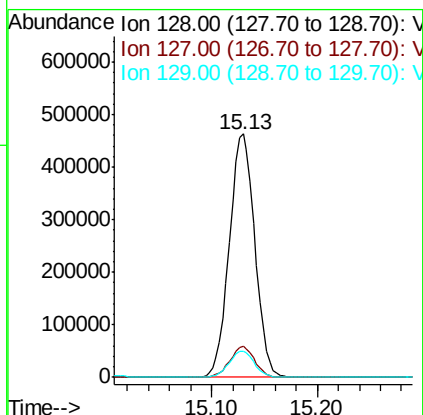
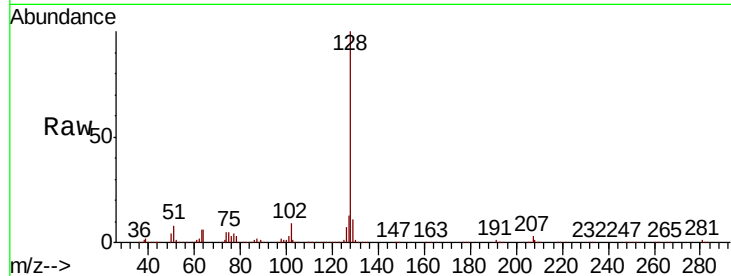




#95
Naphthalene
Concen: 47.170 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 772151
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.112 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion:180 Resp: 268704
Ion Ratio Lower Upper
180 100
182 95.7 47.3 141.8
145 32.1 15.8 47.3

