

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 :

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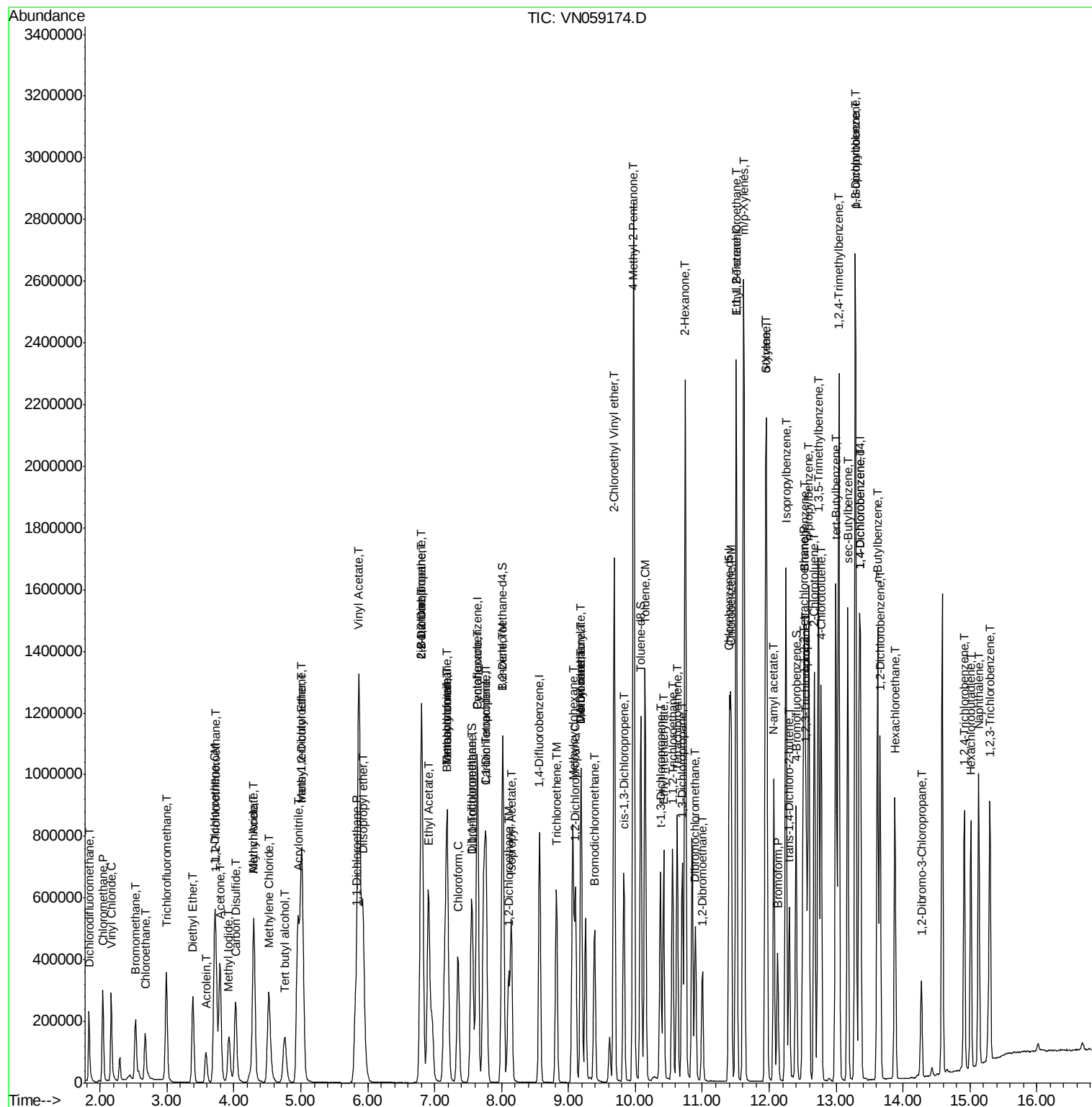
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	267414	45.442	ug/l	99
94) Hexachlorobutadiene	15.01	225	153993	45.746	ug/l	99
95) Naphthalene	15.13	128	772151	47.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	268704	49.112	ug/l	99

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

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#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

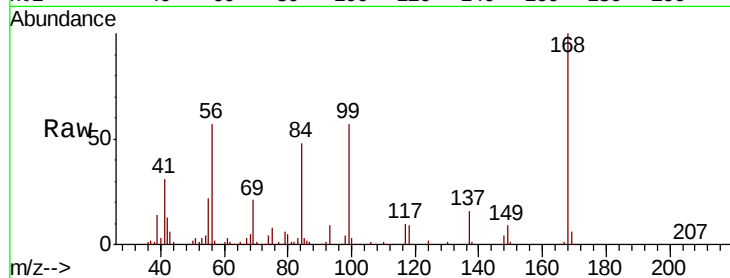
Instrument :
MSVOA_N
ClientSampled :

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

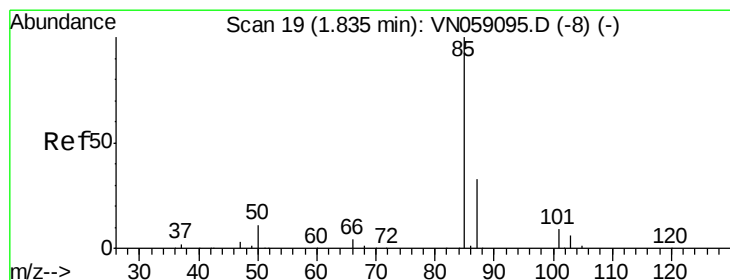
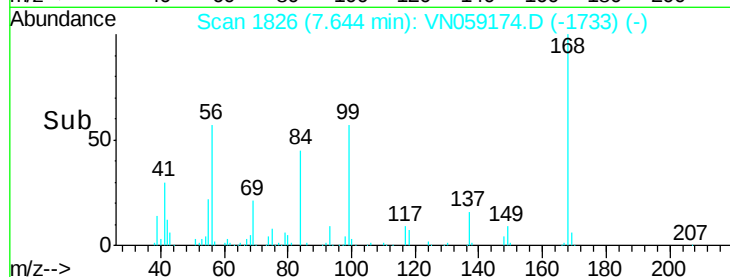
100000

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

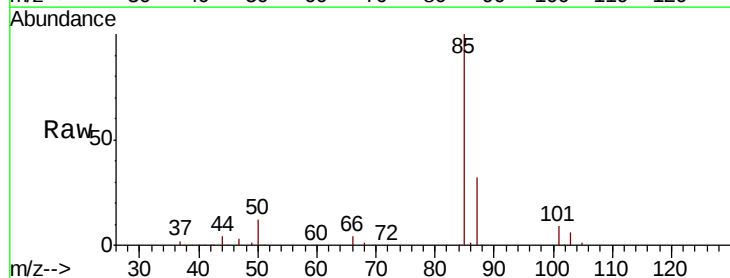
Acq: 11 Nov 2019 20:04

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

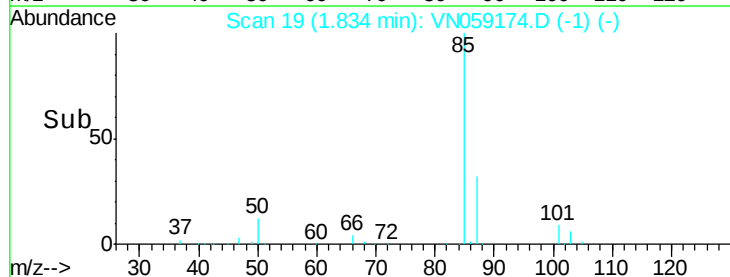
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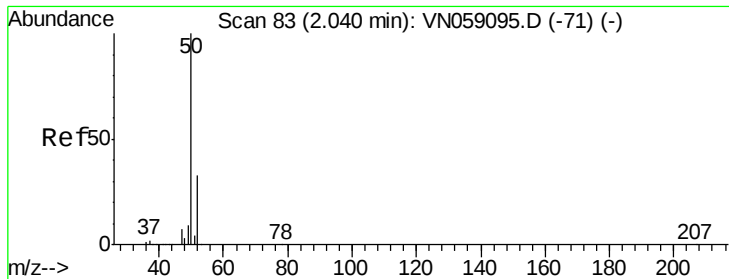
50000

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

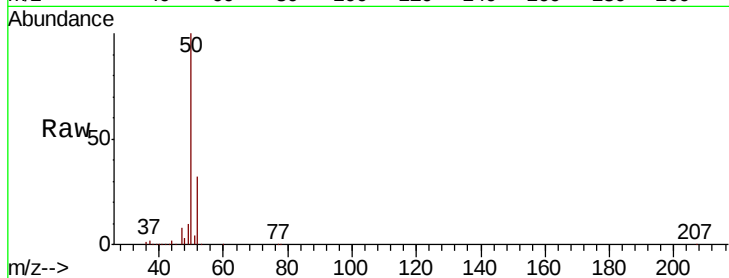
ClientSampled :

Tot Ion: 50 Resp: 271221

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN059174.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN059174.D (-1) (-)

2.04

200000

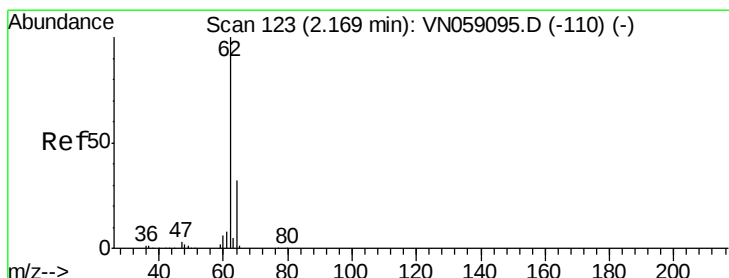
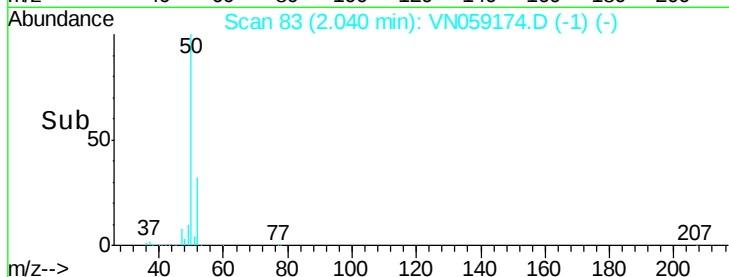
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.413 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059174.D

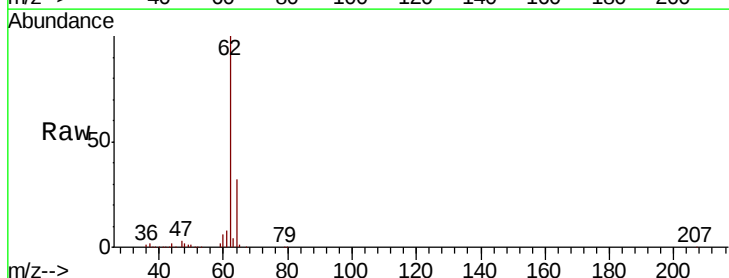
Acq: 11 Nov 2019 20:04

Tgt Ion: 62 Resp: 276874

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN059174.D (-30) (-)

Ion 63.90 (63.60 to 64.60): VN059174.D (-30) (-)

2.17

200000

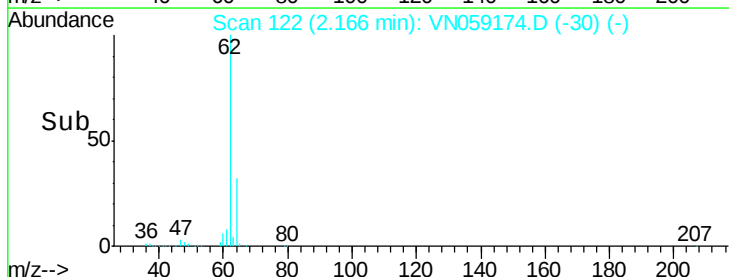
150000

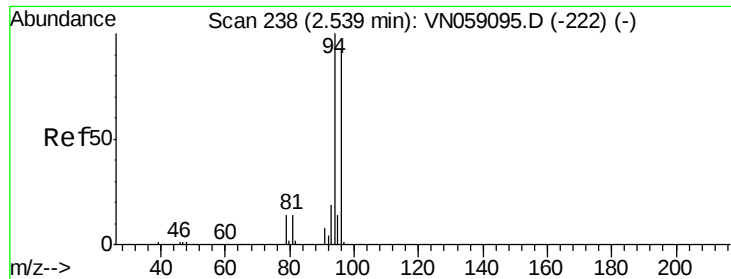
100000

50000

0

Time-->





#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

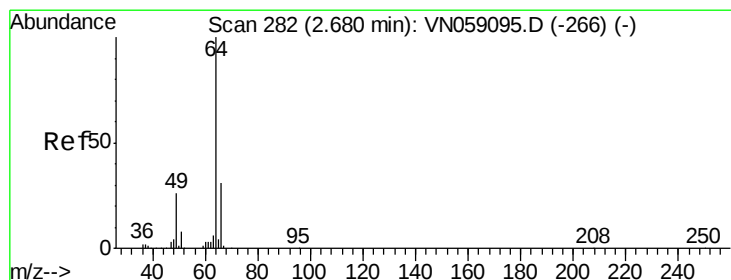
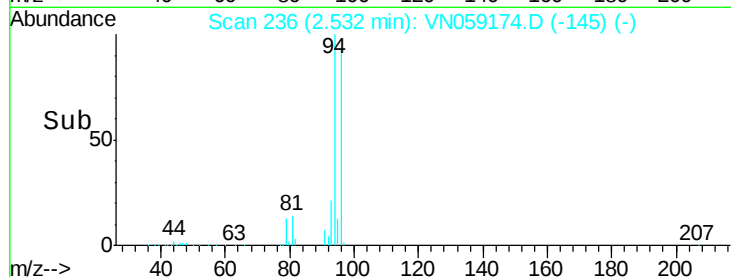
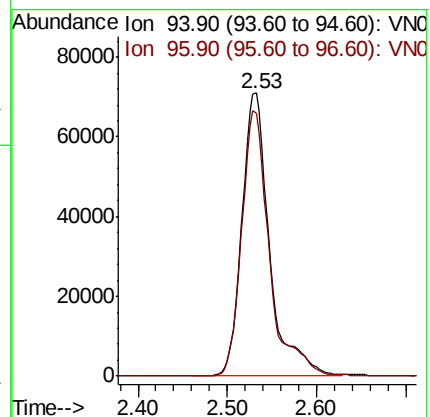
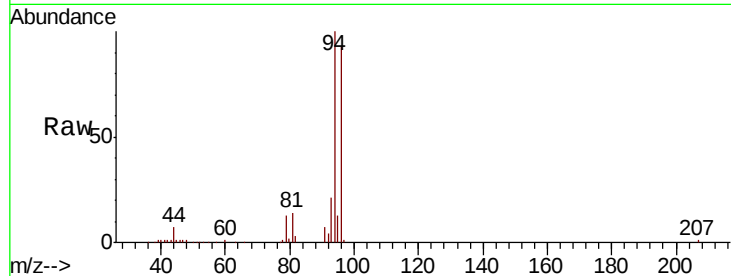
ClientSampled :

Tot Ion: 94 Resp: 153705

Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.2



#6

Chloroethane

Concen: 47.179 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059174.D

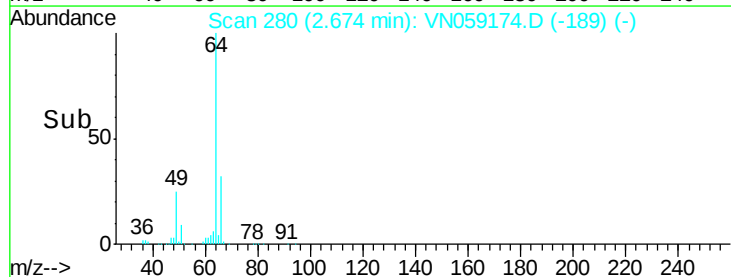
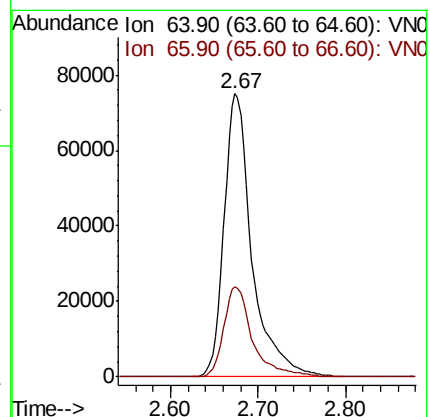
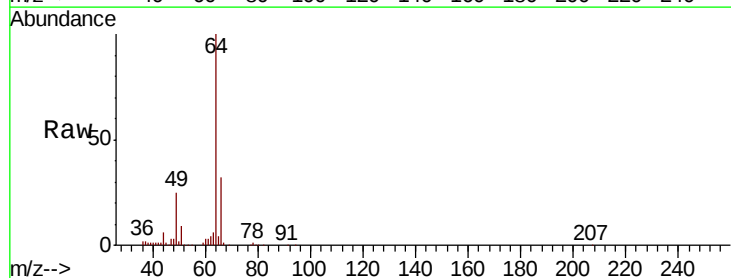
Acq: 11 Nov 2019 20:04

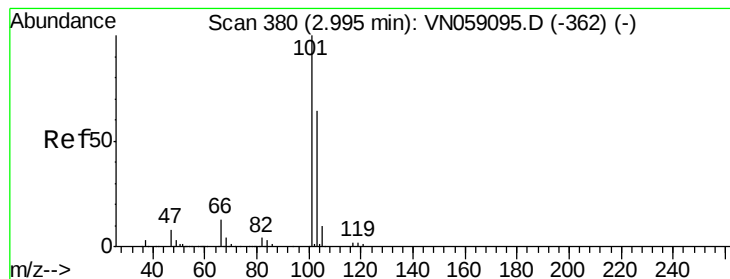
Tgt Ion: 64 Resp: 166487

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8



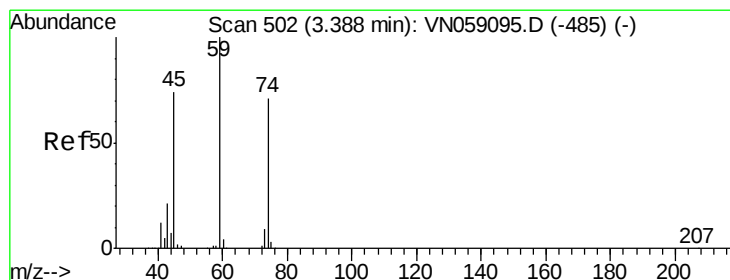
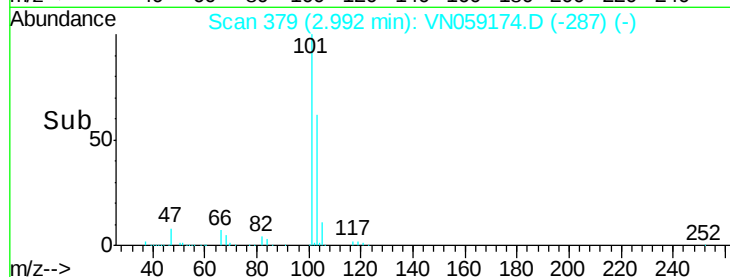
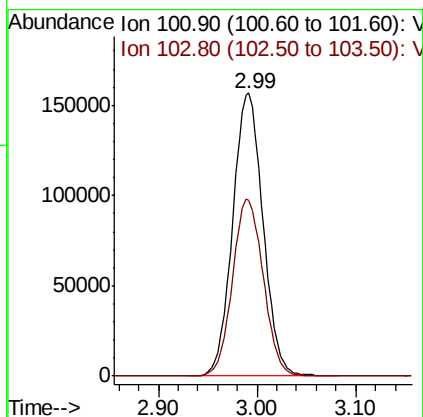
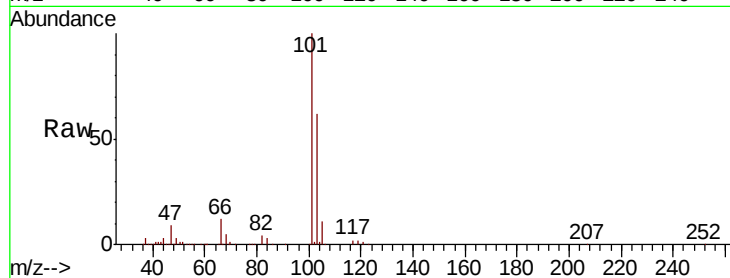


#7

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 :
 MSVOA_N
 ClientSampled :

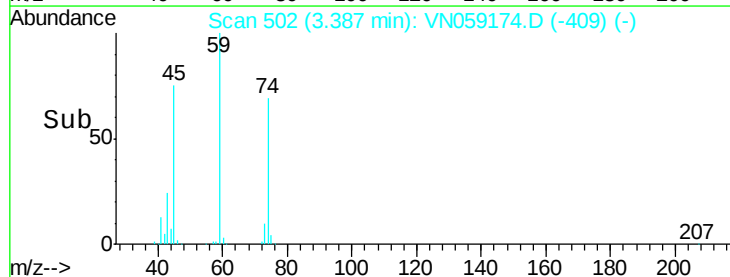
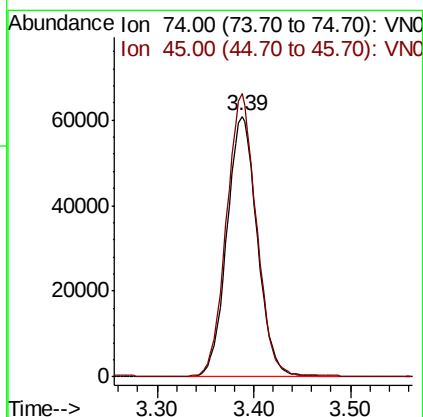
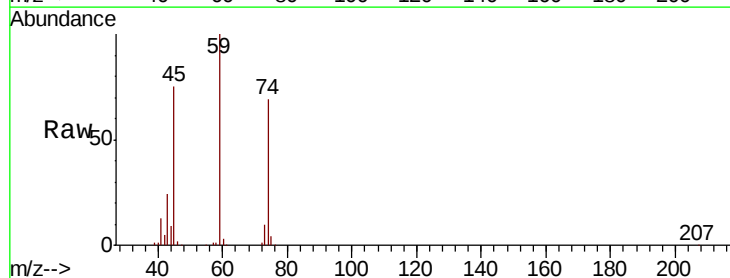
Tot Ion:101 Resp: 335377
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.2 76.8

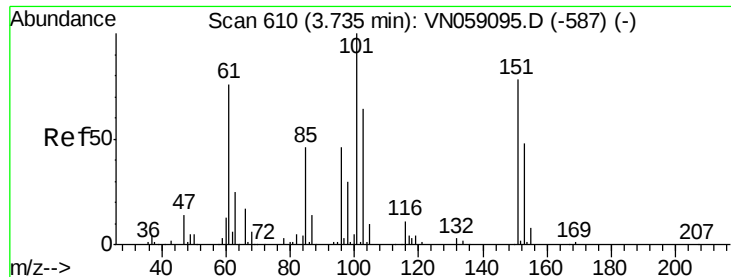


#8

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 :

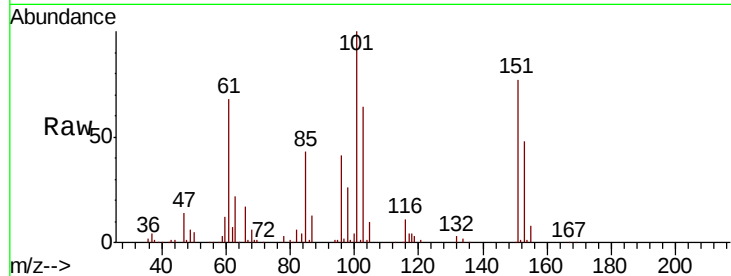
Tot Ion:101 Resp: 194902

Ion Ratio Lower Upper

101 100

85 43.2 35.5 53.3

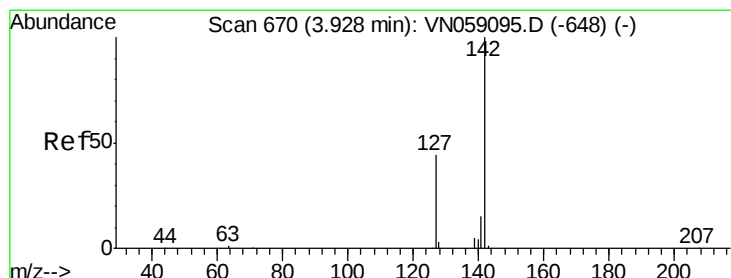
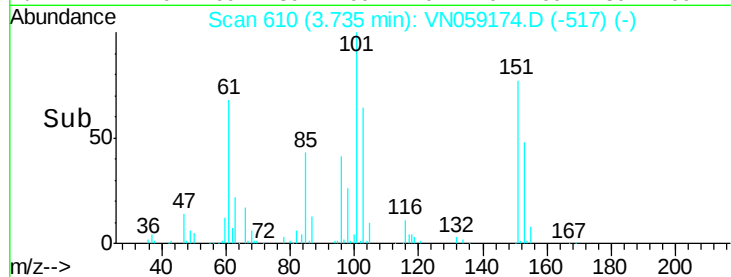
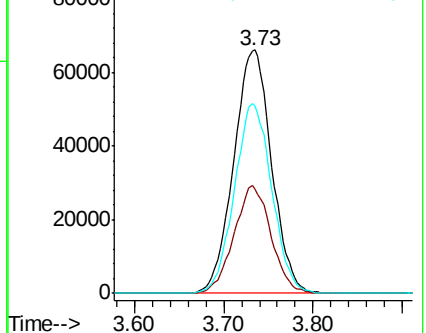
151 76.9 62.2 93.2



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

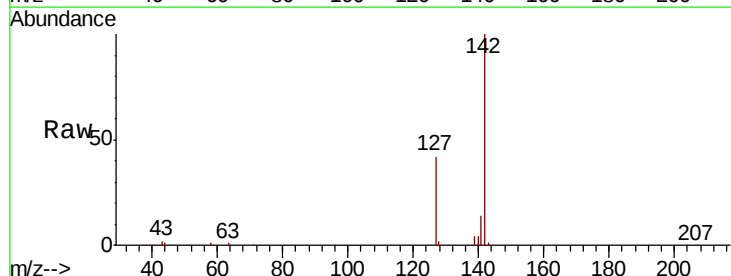
Tgt Ion:142 Resp: 253849

Ion Ratio Lower Upper

142 100

127 43.5 34.2 51.2

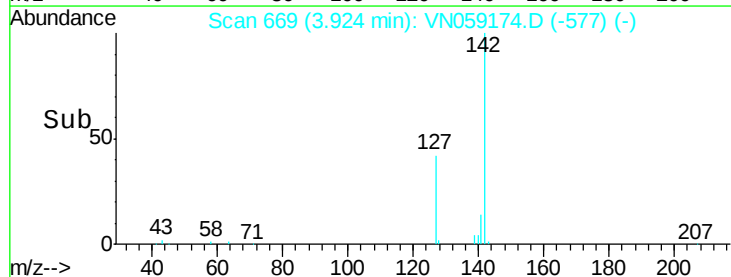
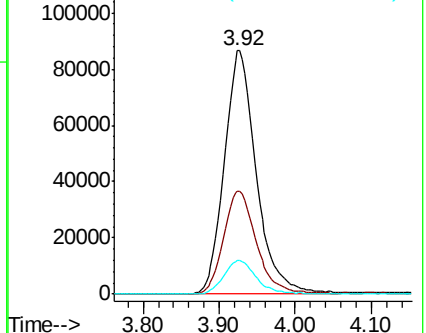
141 13.8 11.4 17.0

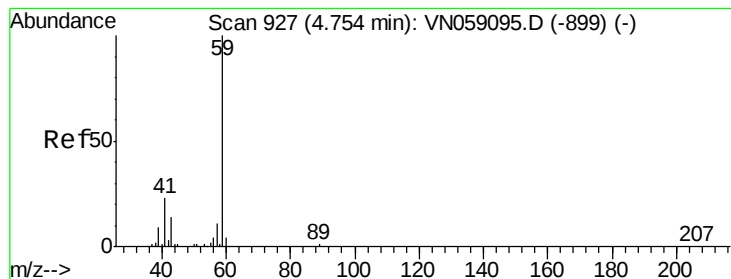


Abundance Ion 141.80 (141.50 to 142.50): V

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

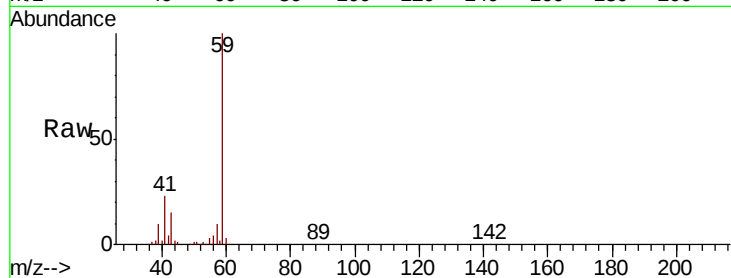
ClientSampled :

Tot Ion: 59 Resp: 286822

Ion Ratio Lower Upper

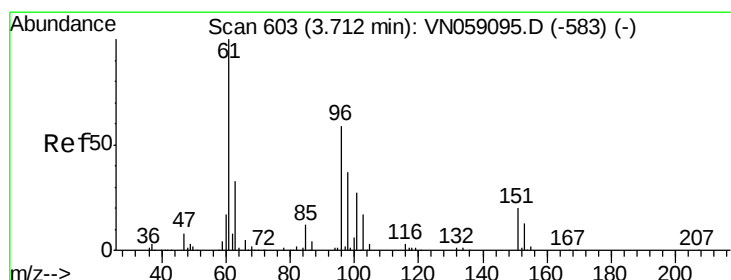
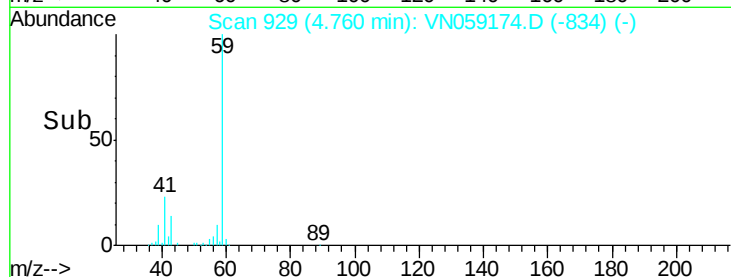
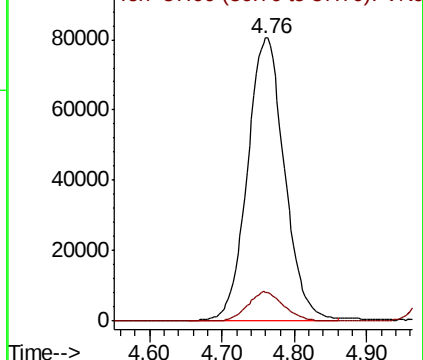
59 100

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

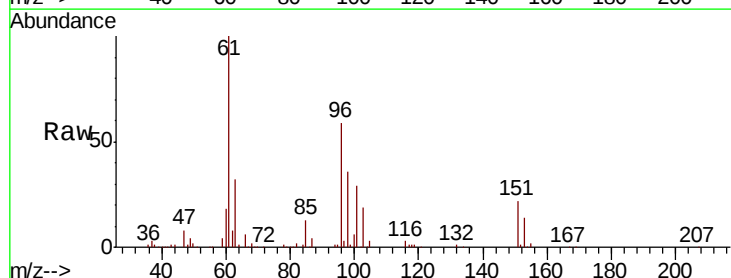
Tgt Ion: 96 Resp: 190872

Ion Ratio Lower Upper

96 100

61 170.2 136.5 204.7

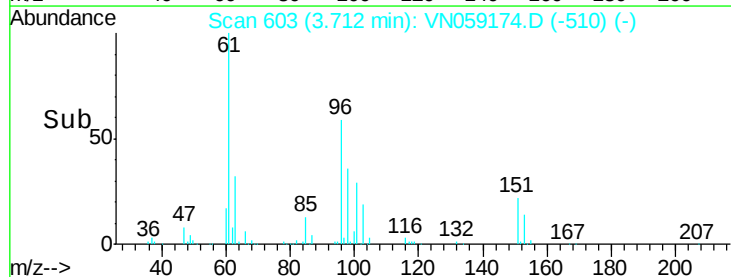
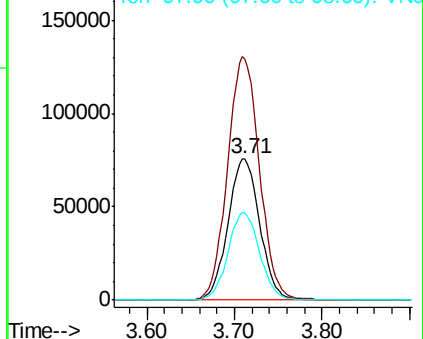
98 61.6 50.2 75.4

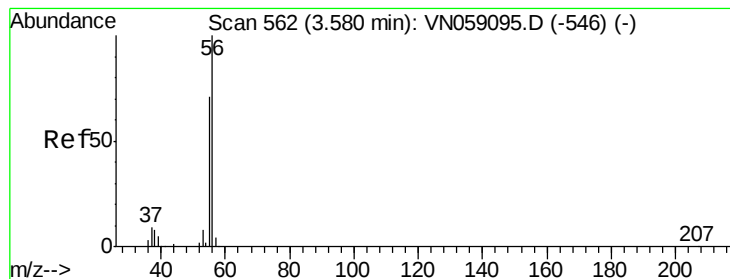


Abundance Ion 95.90 (95.60 to 96.60): VN0

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

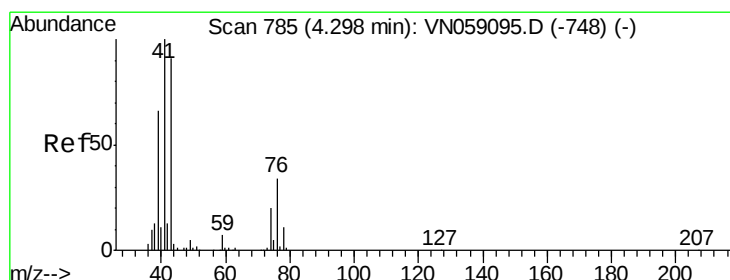
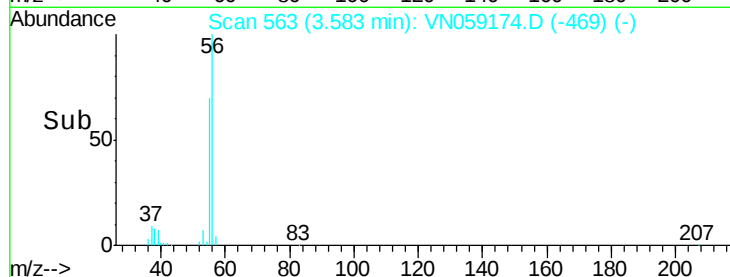
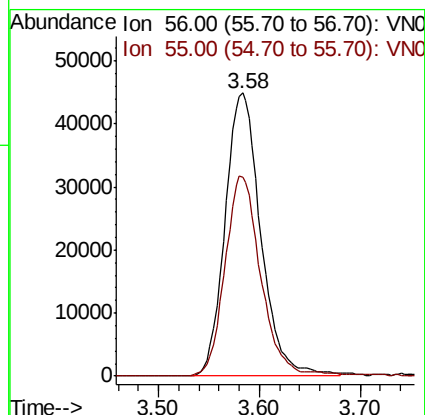
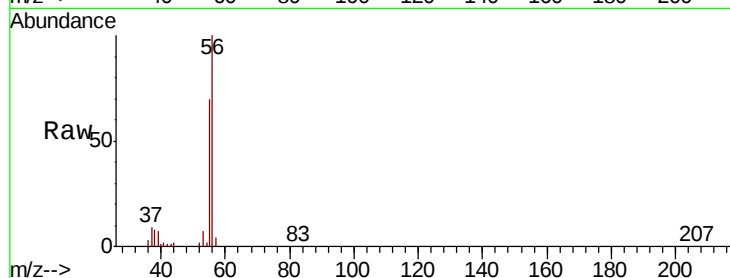
ClientSampled :

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

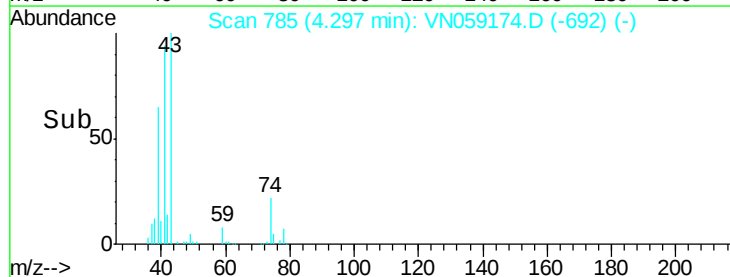
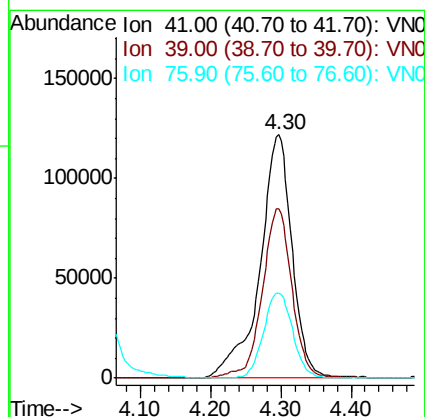
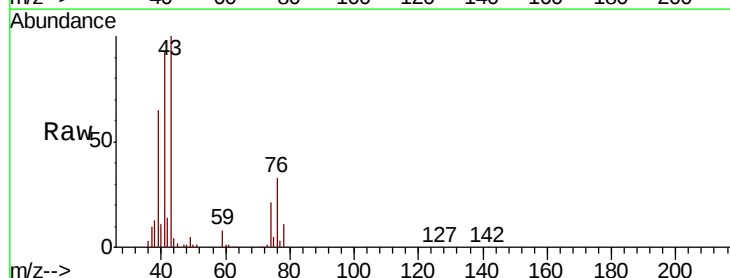
Tgt Ion: 41 Resp: 388082

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

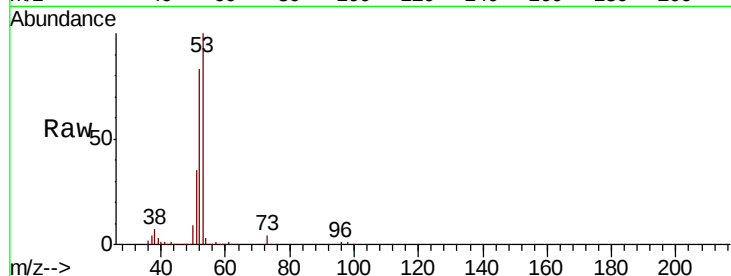
Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 695045

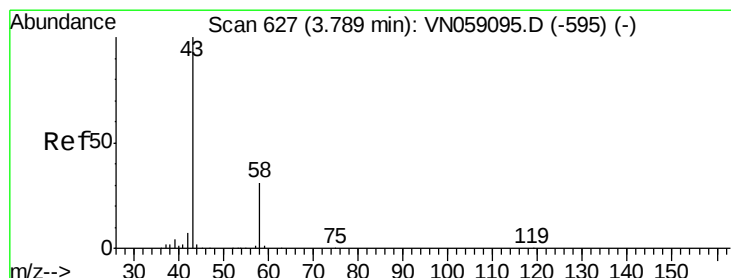
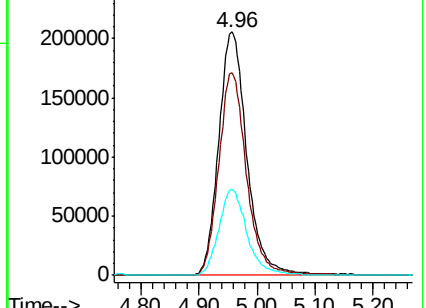
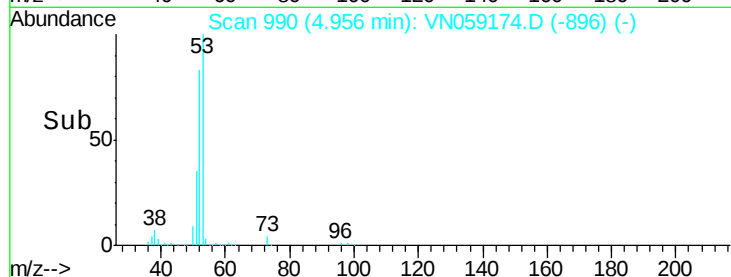
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.5	28.0	42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 221.168 ug/l

RT: 3.79 min Scan# 628

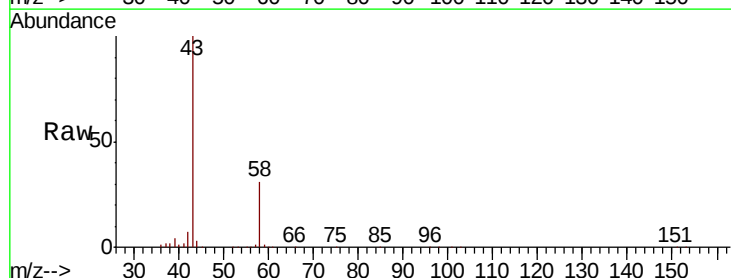
Delta R.T. 0.00 min

Lab File: VN059174.D

Acq: 11 Nov 2019 20:04

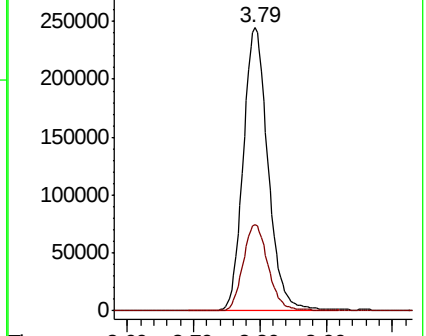
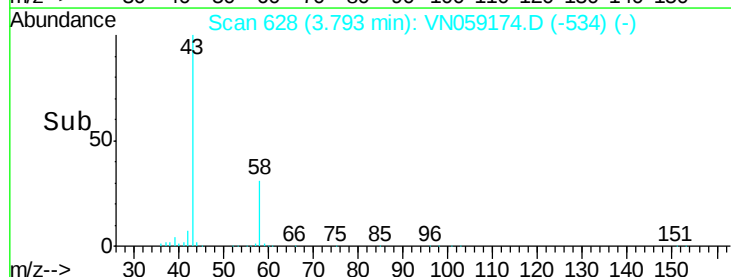
Tgt Ion: 43 Resp: 635151

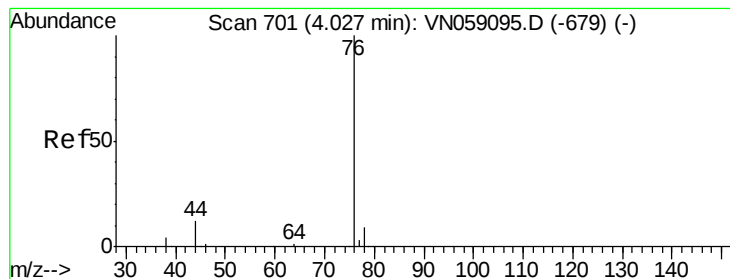
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.9	37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#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

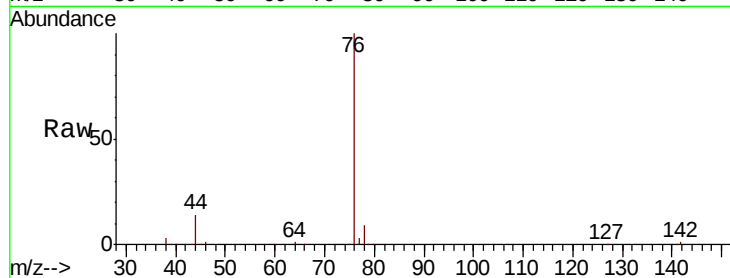
ClientSampled :

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): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

200000

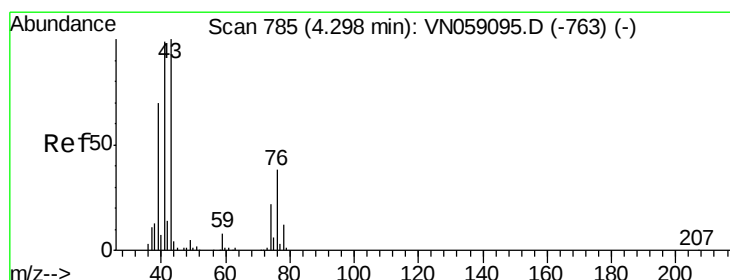
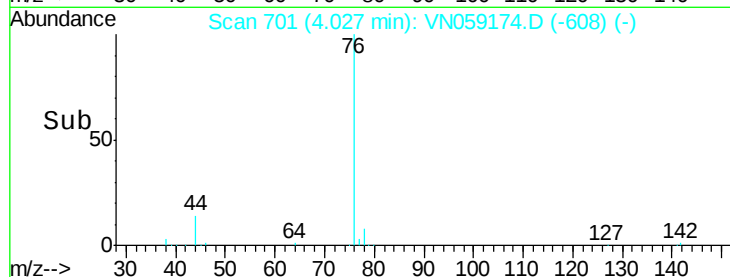
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.780 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059174.D

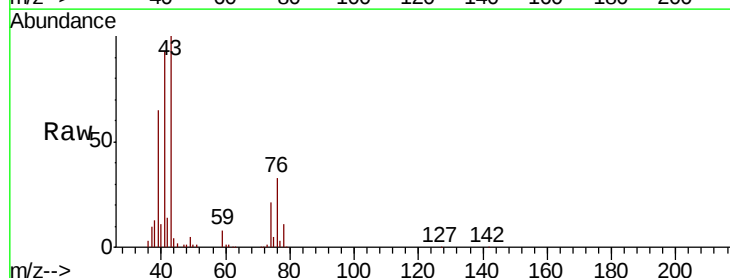
Acq: 11 Nov 2019 20:04

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): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.30

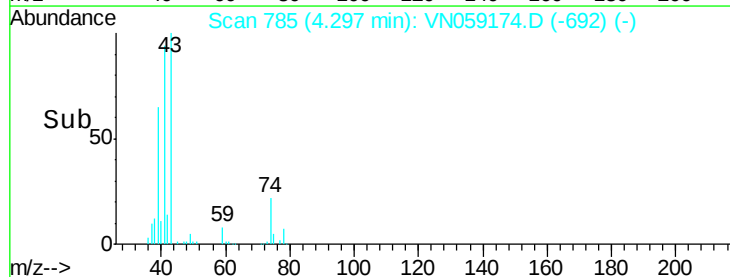
150000

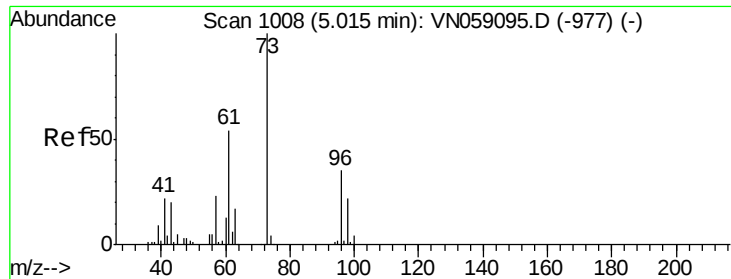
100000

50000

0

Time-->

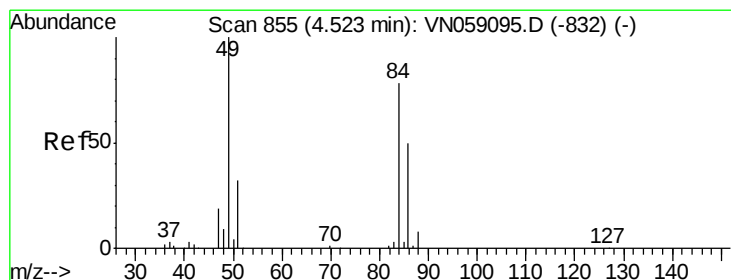
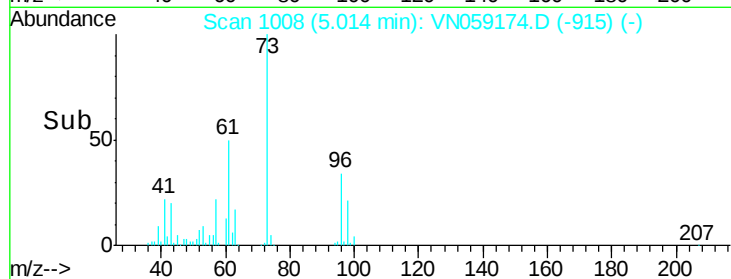
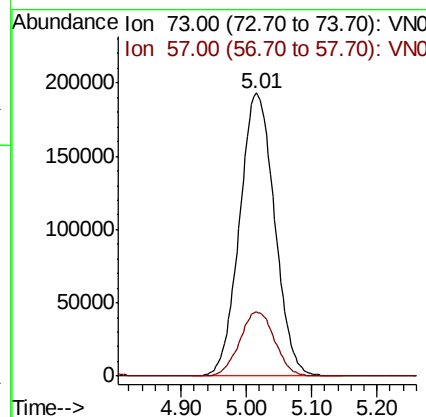
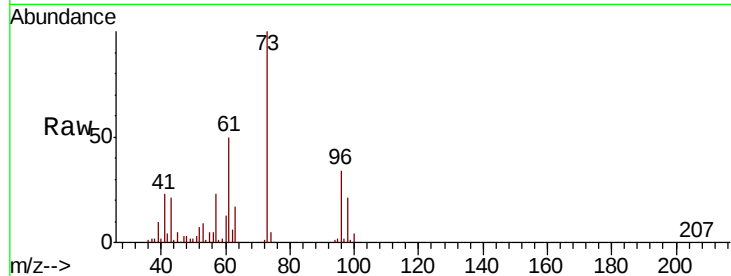




#19
Methvl tert-butvl Ether
Concen: 49.903 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

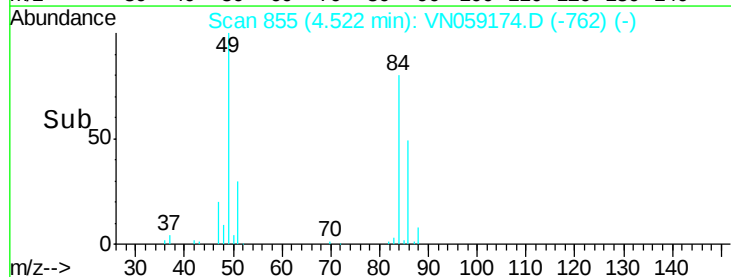
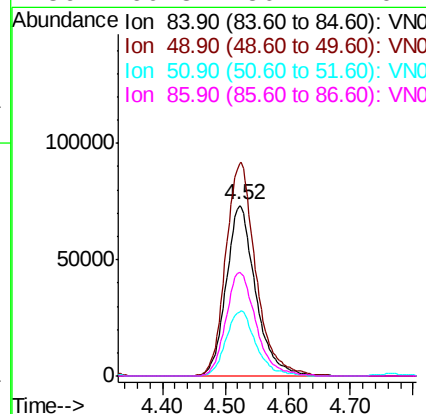
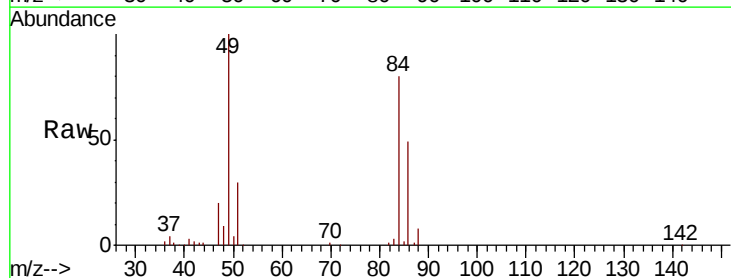
Instrument :
MSVOA_N
ClientSampleId :

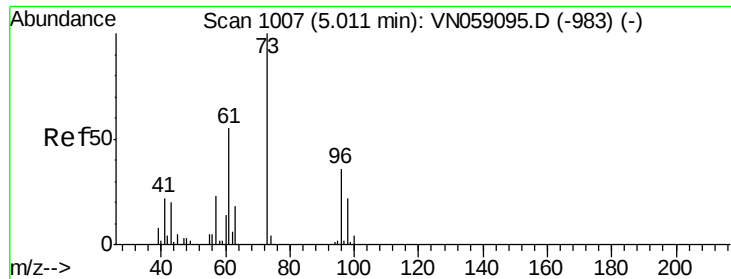
Tot Ion: 73 Resp: 720029
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6



#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

ClientSampled :

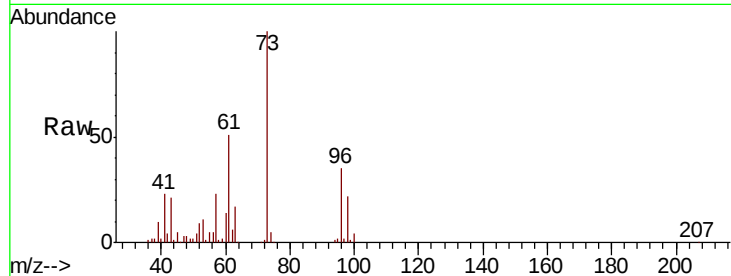
Tot Ion: 96 Resp: 208119

Ion Ratio Lower Upper

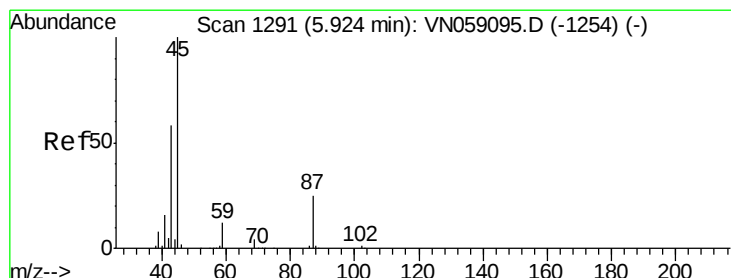
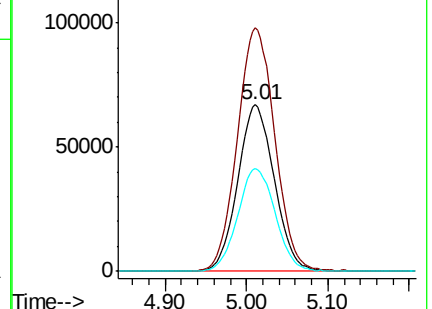
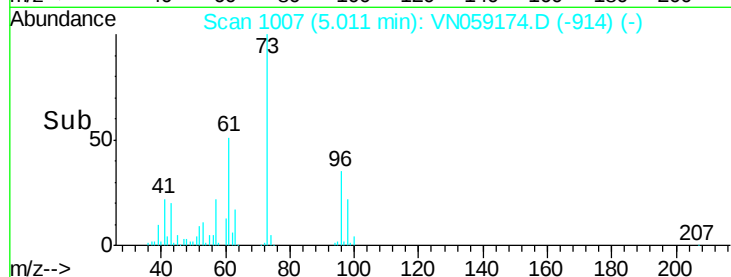
96 100

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

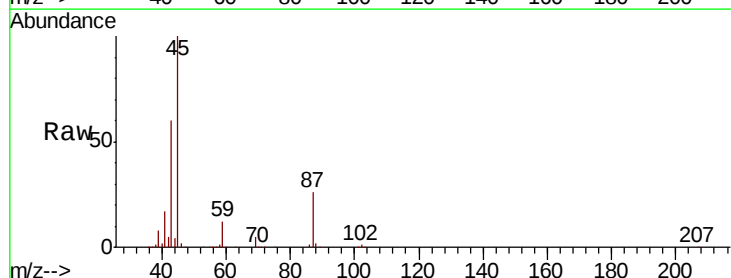
Ion Ratio Lower Upper

45 100

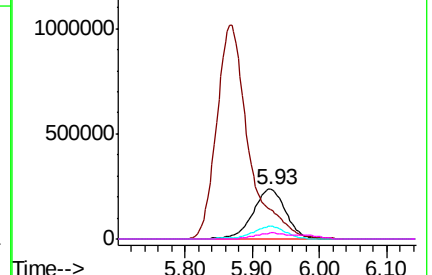
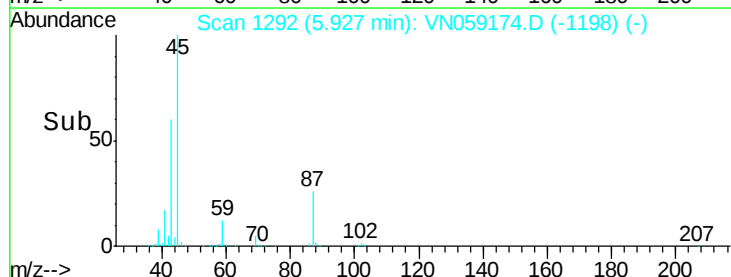
43 58.7 46.7 70.1

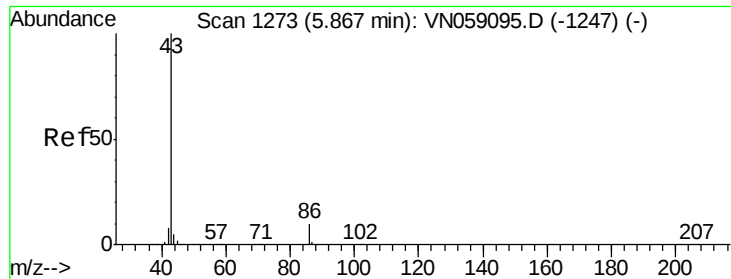
87 25.9 20.5 30.7

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

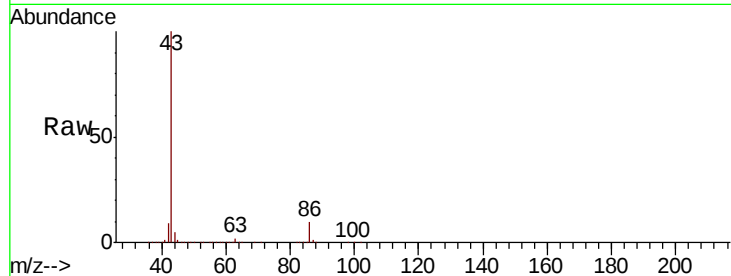
ClientSampled :

Tot Ion: 43 Resp: 3365218

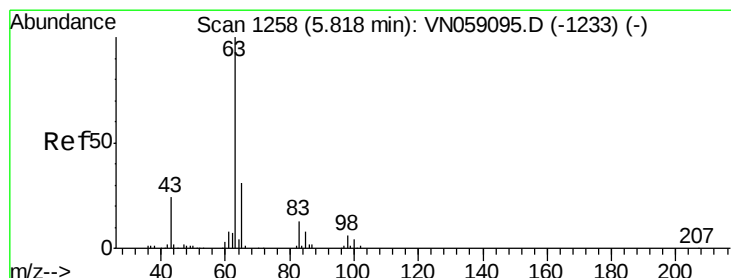
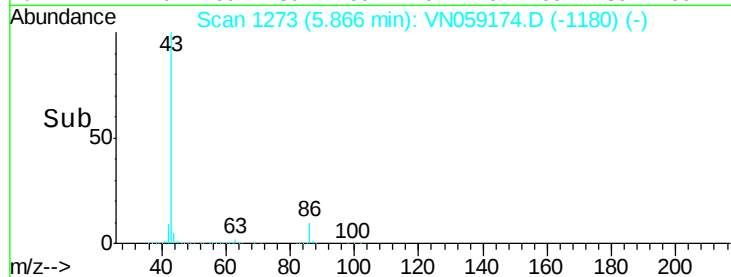
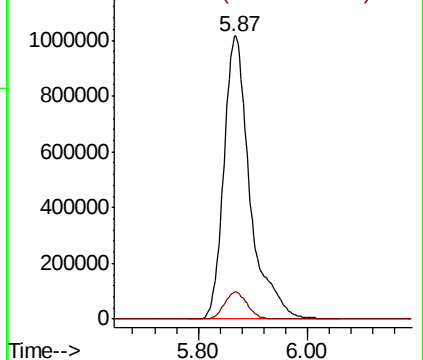
Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059174.D (-1180) (-)



#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

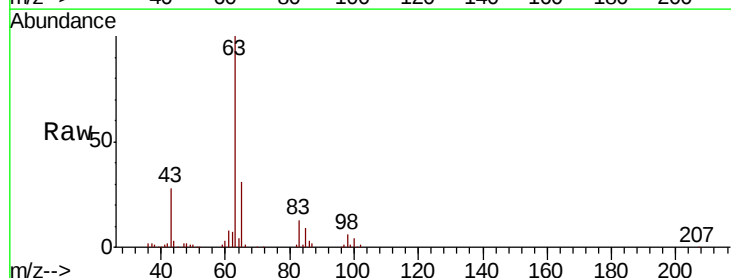
Tgt Ion: 63 Resp: 435025

Ion Ratio Lower Upper

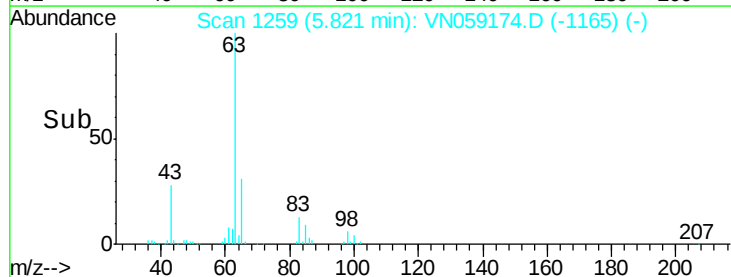
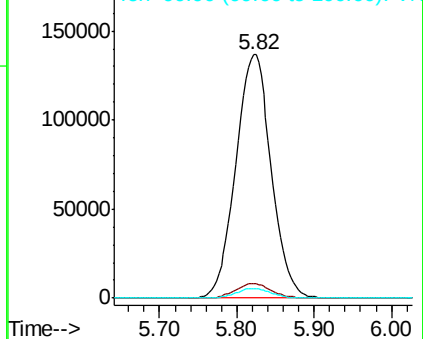
63 100

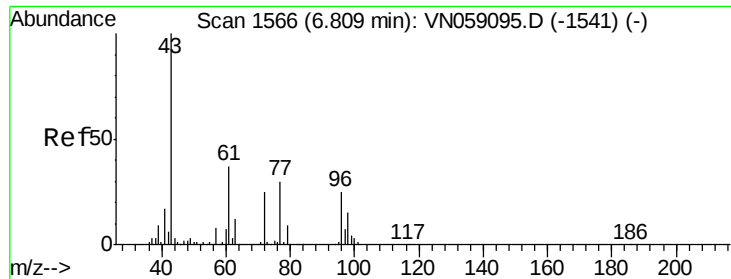
98 6.1 2.8 8.4

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059174.D (-1165) (-)





#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

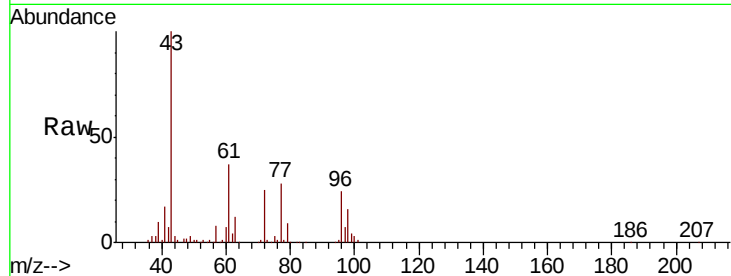
ClientSampleId :

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): VN059174.D (-1473) (-)

Ion 72.00 (71.70 to 72.70): VN059174.D (-1473) (-)

6.81

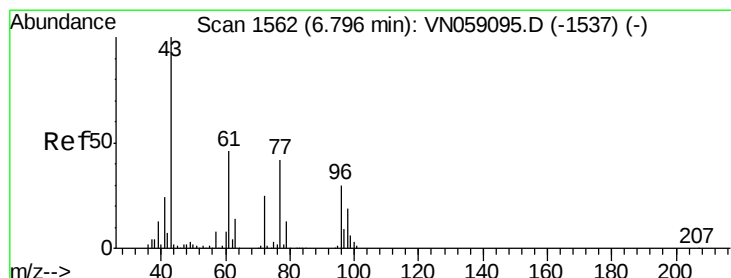
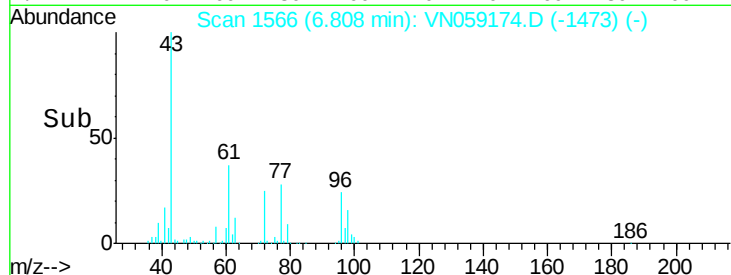
300000

200000

100000

0

Time-->



#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

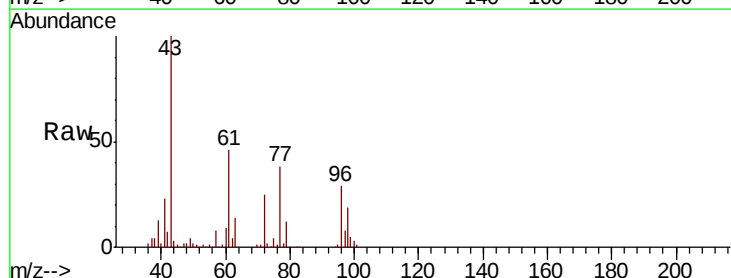
Acq: 11 Nov 2019 20:04

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): VN059174.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059174.D (-1469) (-)

6.80

120000

100000

80000

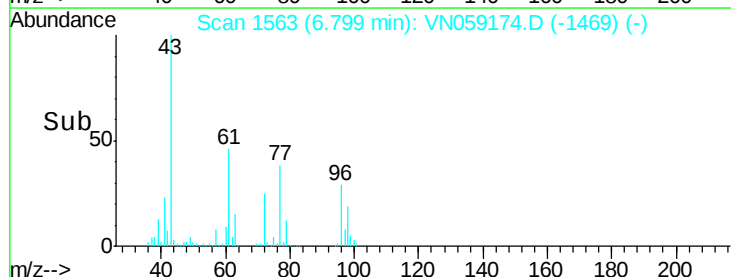
60000

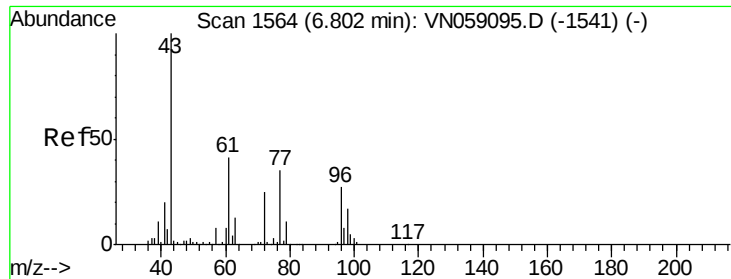
40000

20000

0

Time-->





#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 :

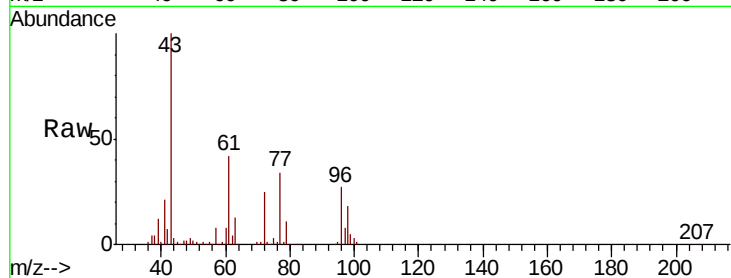
Tot Ion: 96 Resp: 248168

Ion Ratio Lower Upper

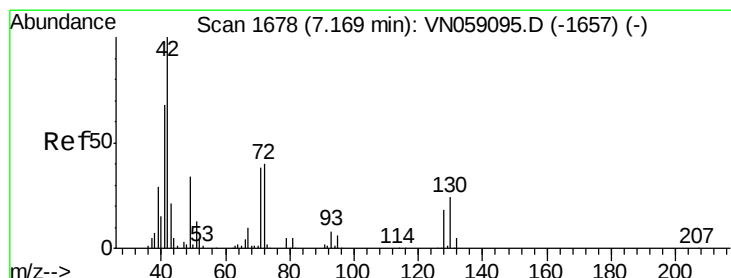
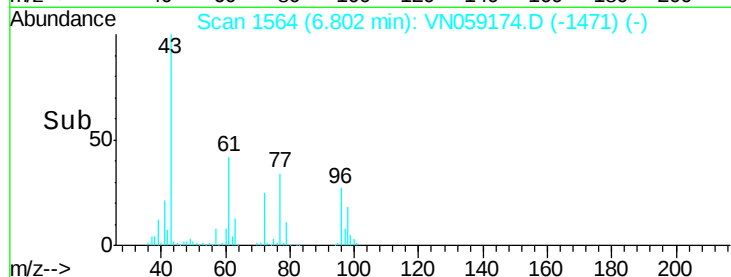
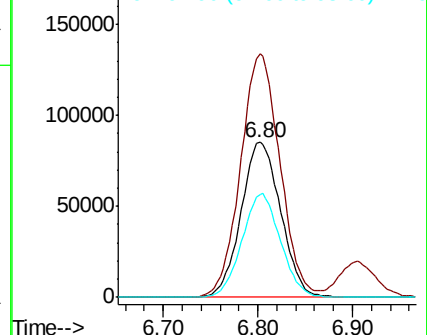
96 100

61 155.4 0.0 311.6

98 65.0 0.0 129.8



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



#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

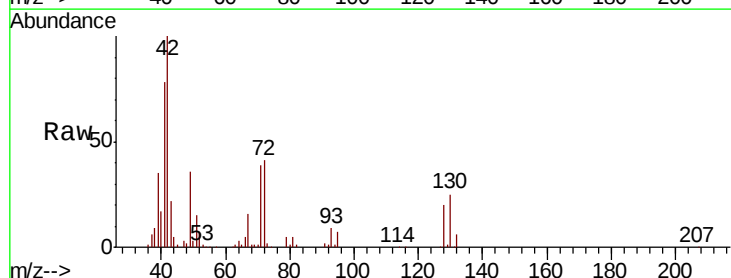
Tgt Ion: 49 Resp: 131563

Ion Ratio Lower Upper

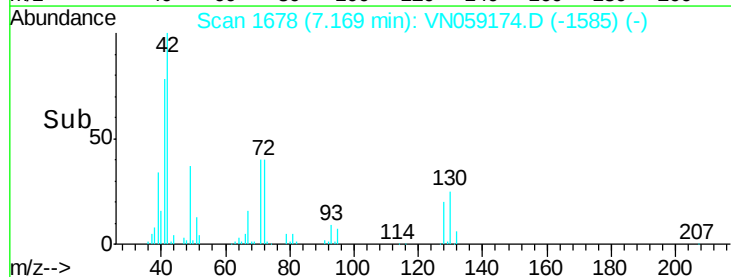
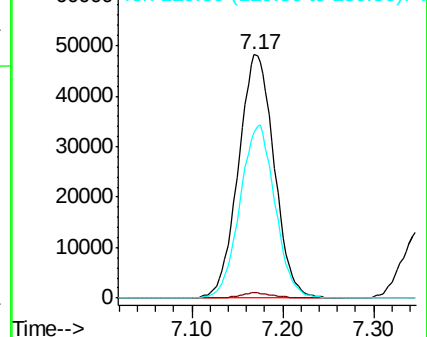
49 100

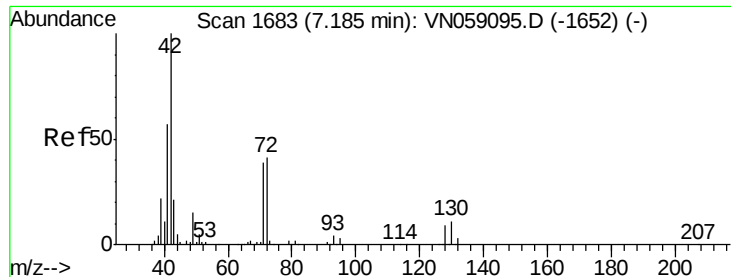
129 1.9 0.0 3.8

130 69.5 55.6 83.4



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

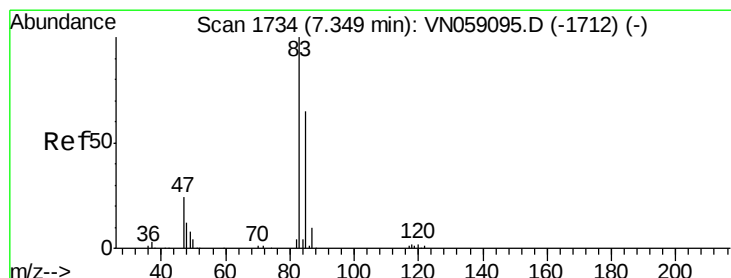
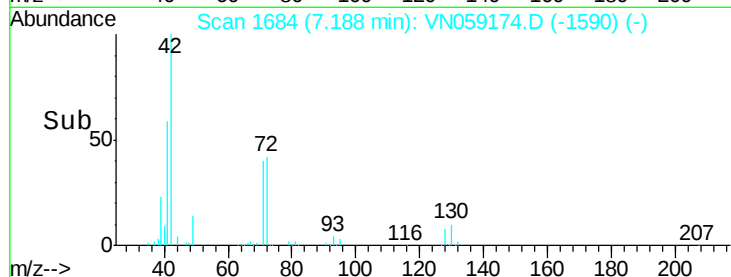
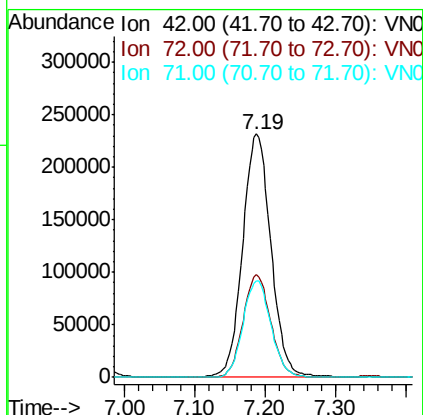
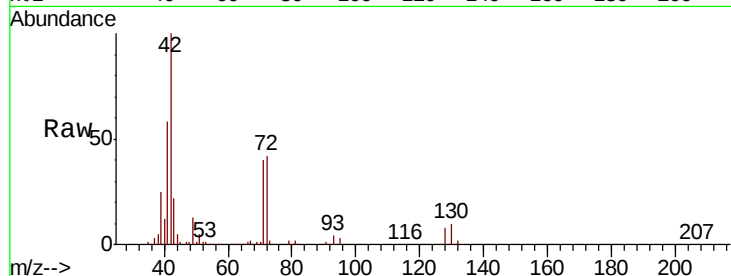




#29
Tetrahydrofuran
Concen: 268.651 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

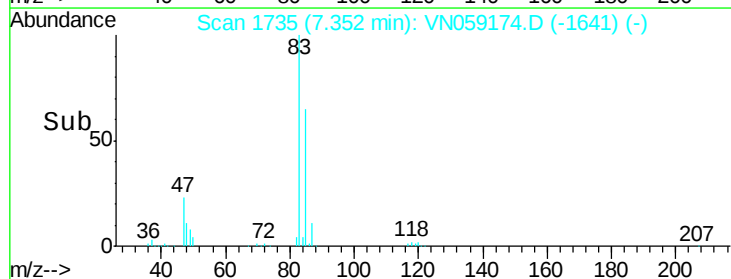
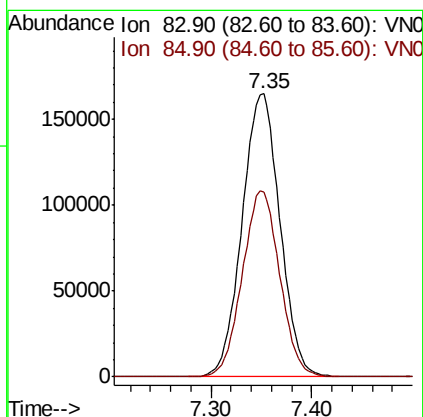
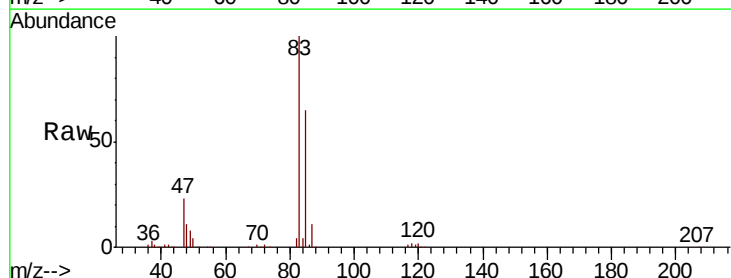
Instrument :
MSVOA_N
ClientSampled :

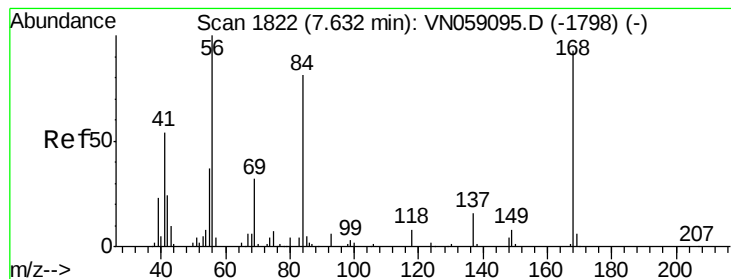
Tot Ion: 42 Resp: 646081
Ion Ratio Lower Upper
42 100
72 41.2 33.1 49.7
71 39.2 30.9 46.3



#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
ClientSampled :

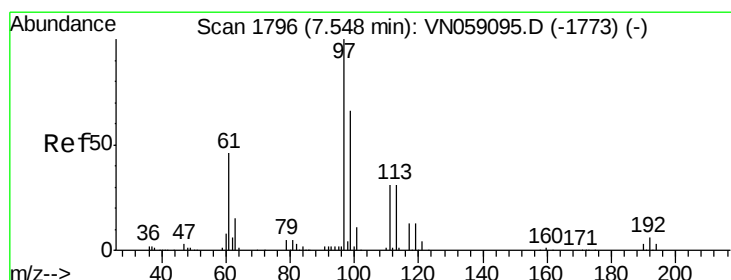
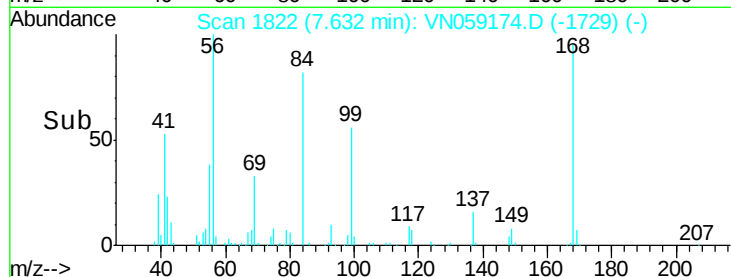
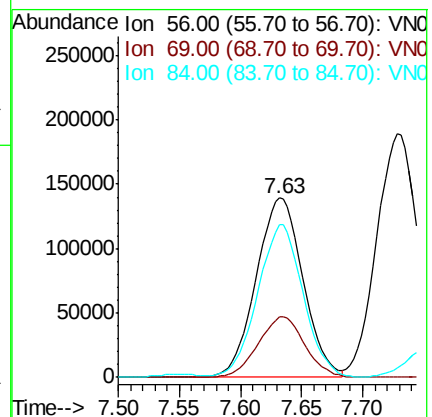
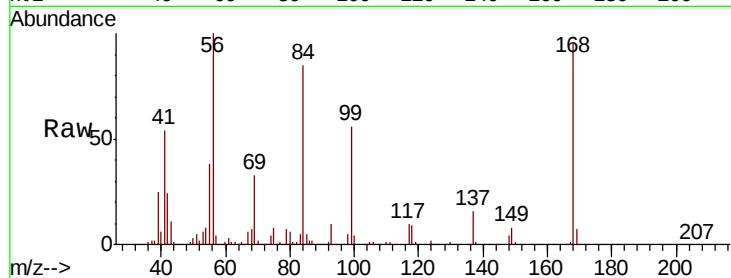
Tot Ion: 56 Resp: 370831

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

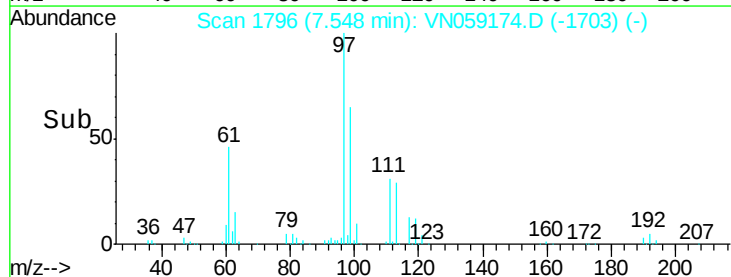
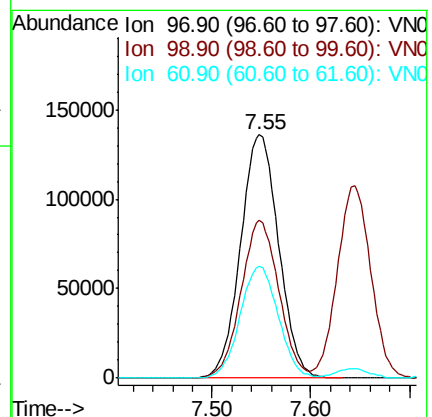
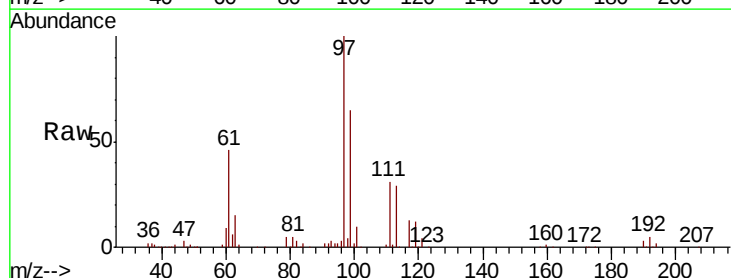
Tgt Ion: 97 Resp: 364335

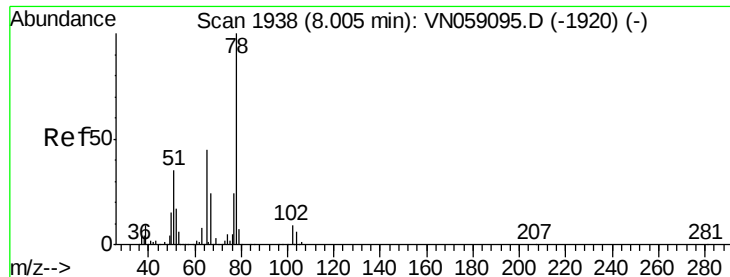
Ion Ratio Lower Upper

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

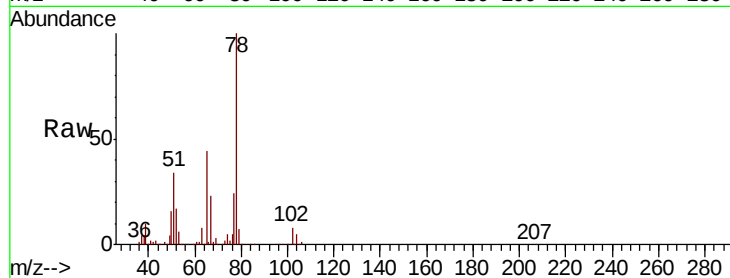
ClientSampleId :

Tot Ion: 65 Resp: 283643

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059174.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059174.D (-1845) (-)

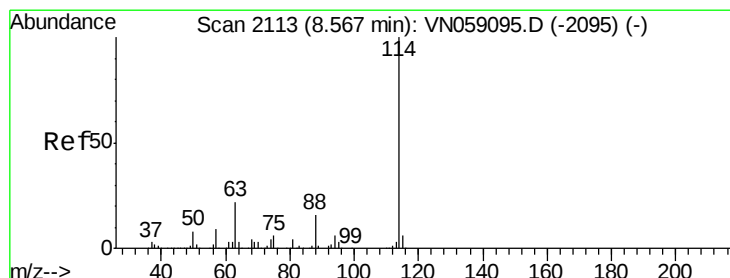
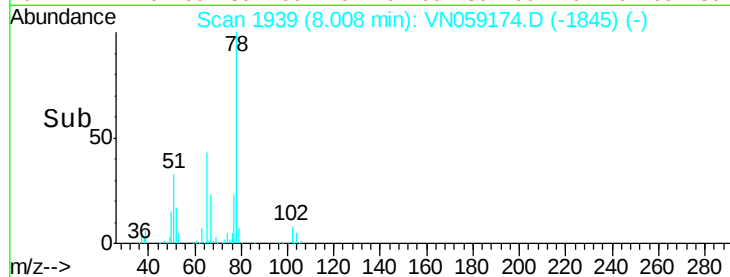
8.01

100000

50000

0

Time-->



#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

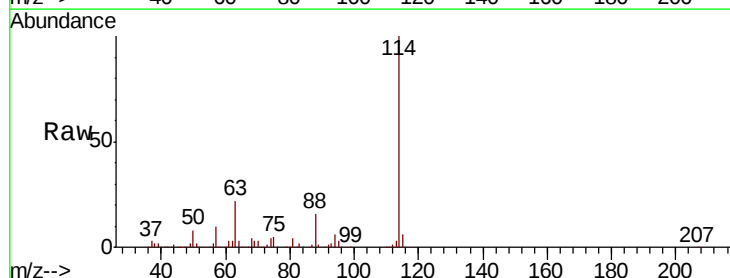
Tgt Ion: 114 Resp: 712353

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059174.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059174.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059174.D (-2020) (-)

8.57

400000

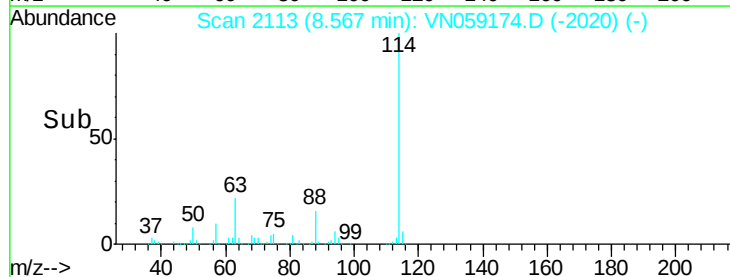
300000

200000

100000

0

Time-->

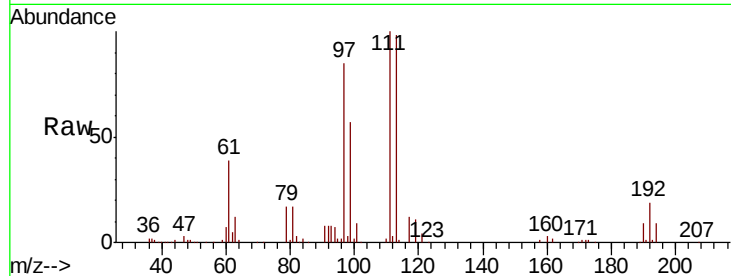




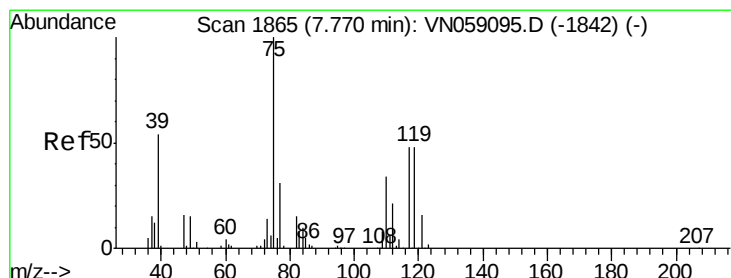
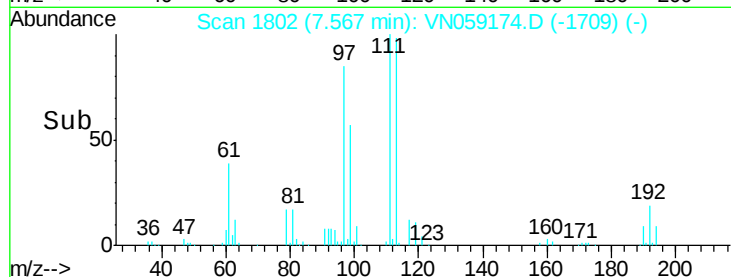
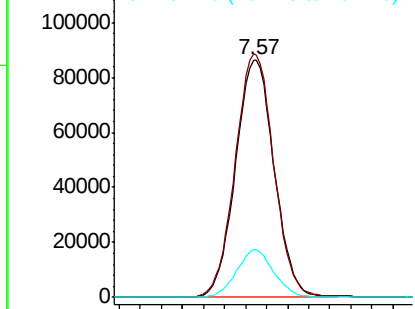
#35
Dibromofluoromethane
Concen: 51.778 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 220233
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 19.3 16.1 24.1

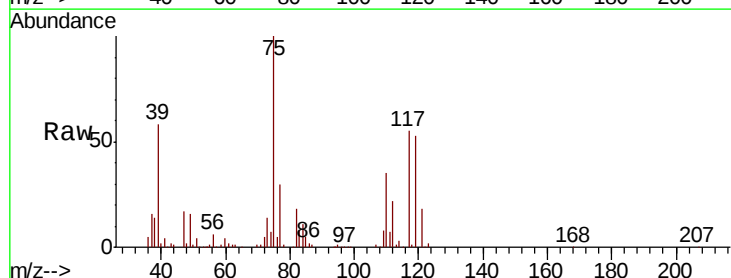


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

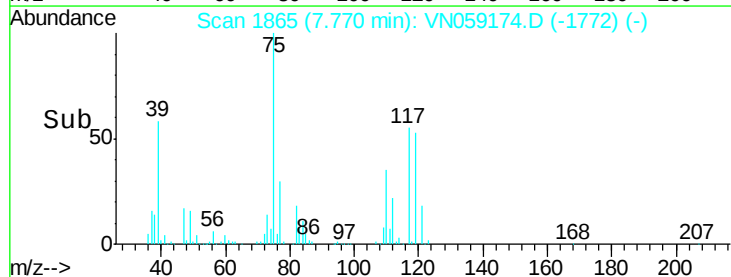
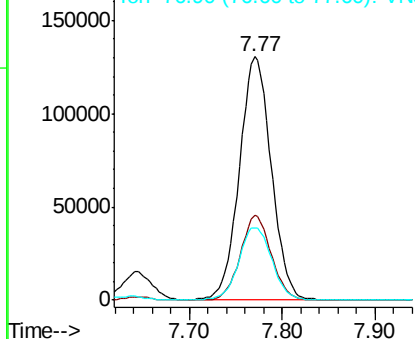


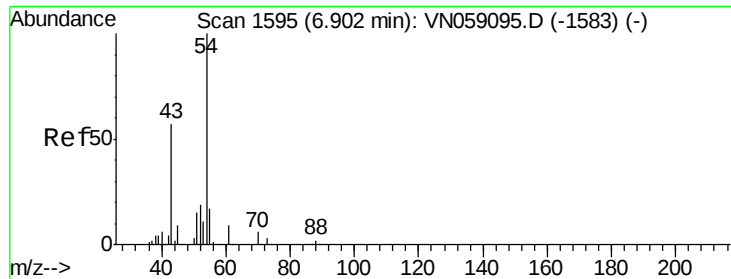
#36
1,1-Dichloropropene
Concen: 46.699 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion: 75 Resp: 310941
Ion Ratio Lower Upper
75 100
110 33.8 17.1 51.2
77 30.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 51.889 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 :

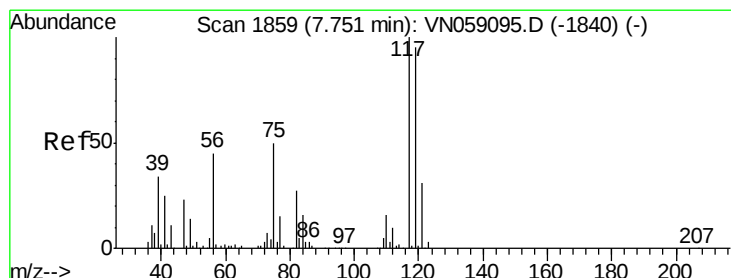
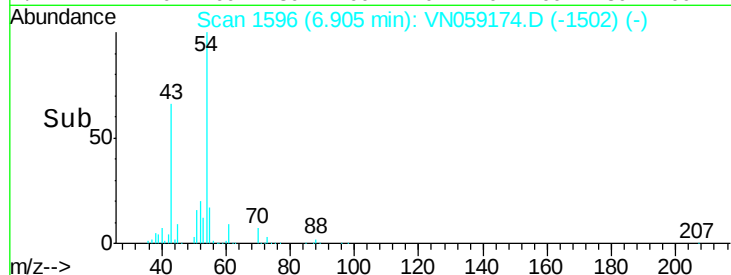
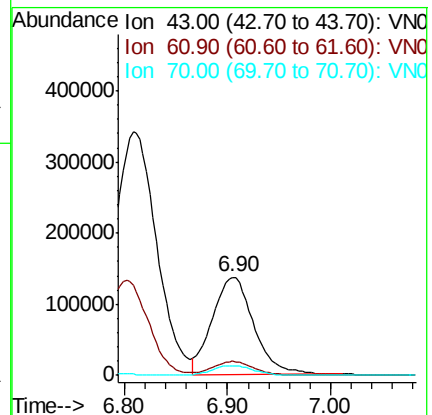
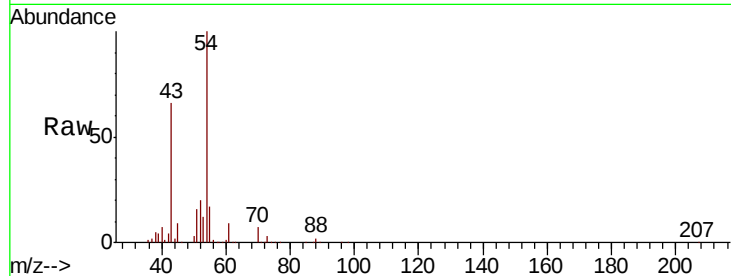
Tot Ion: 43 Resp: 384356

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

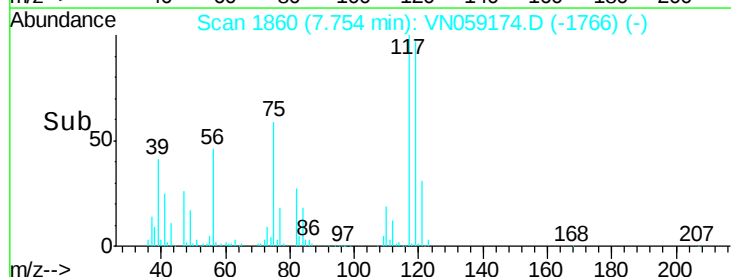
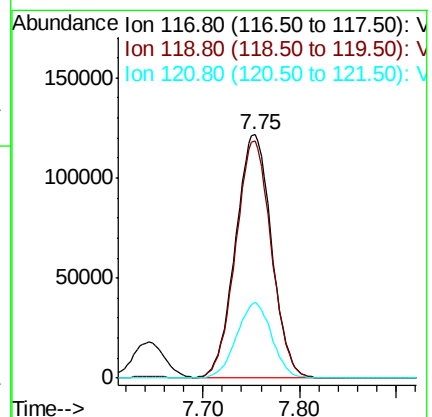
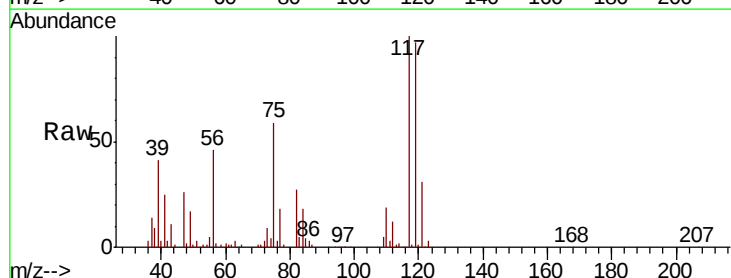
Tgt Ion: 117 Resp: 315805

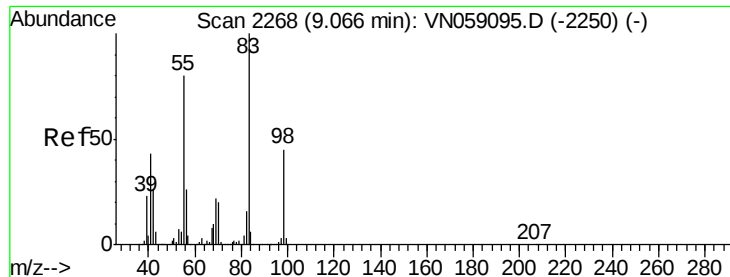
Ion Ratio Lower Upper

117 100

119 97.1 75.6 113.4

121 31.0 24.6 36.8

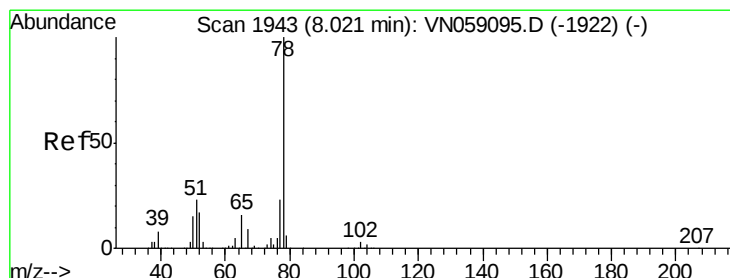
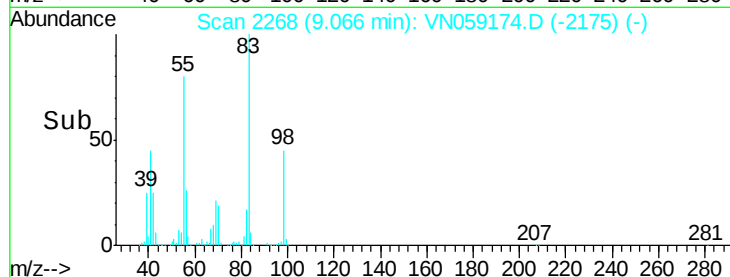
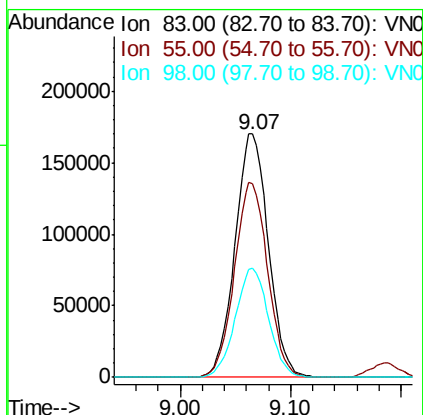
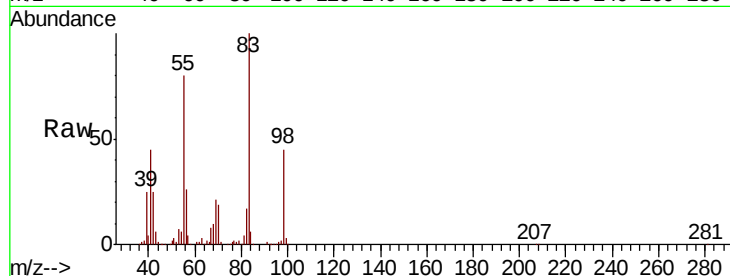




#39
Methvlcvclohexane
Concen: 46.128 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

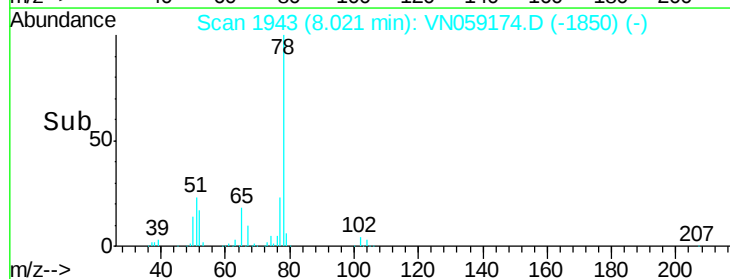
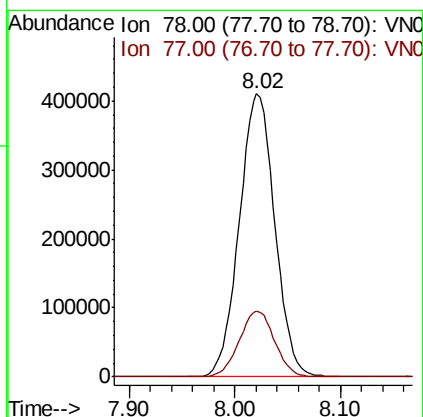
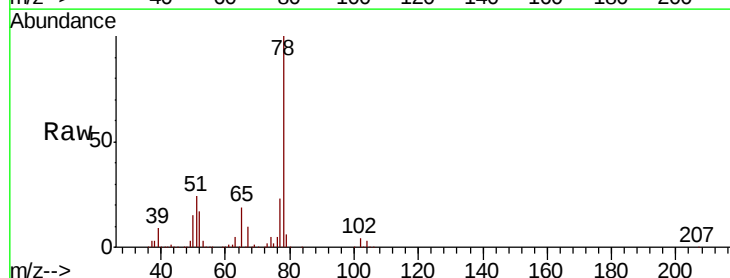
Instrument :
MSVOA_N
ClientSampled :

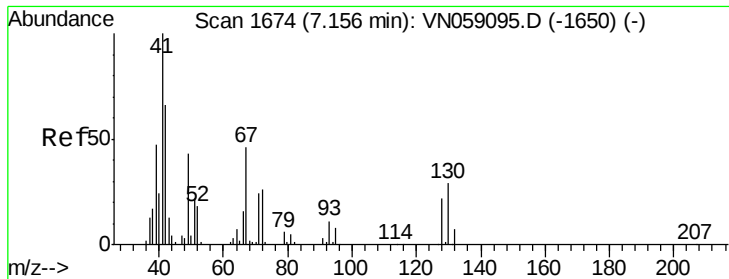
Tot Ion: 83 Resp: 356462
Ion Ratio Lower Upper
83 100
55 79.6 63.9 95.9
98 44.9 35.6 53.4



#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

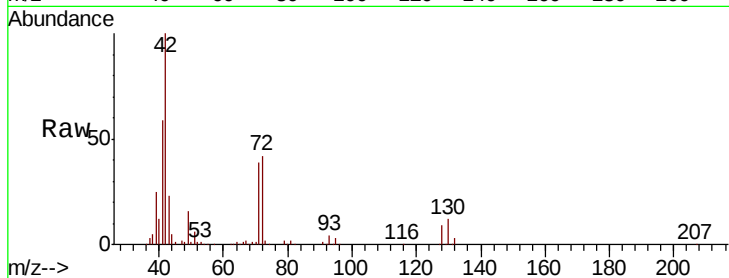




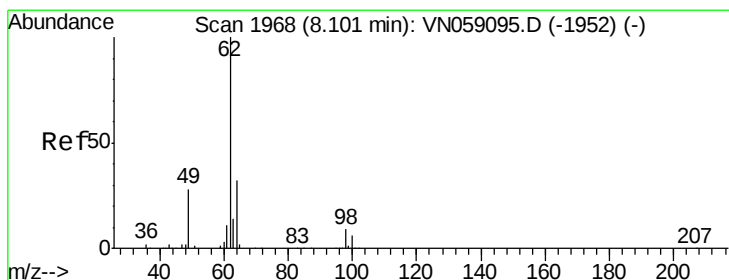
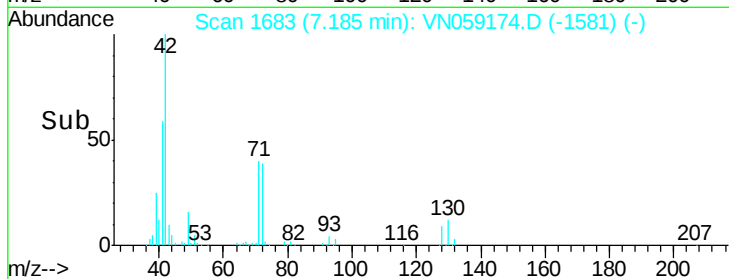
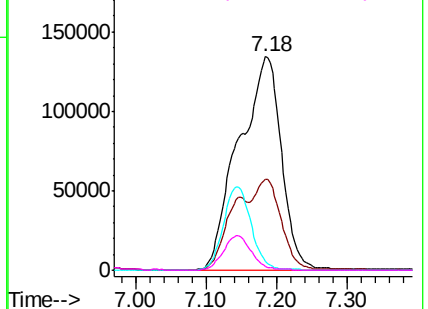
#41
Methacrylonitrile
Concen: 176.011 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampled :

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

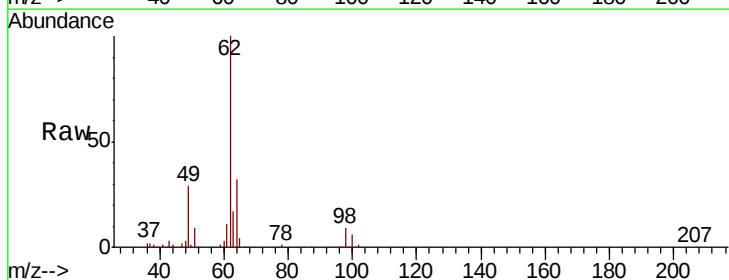


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

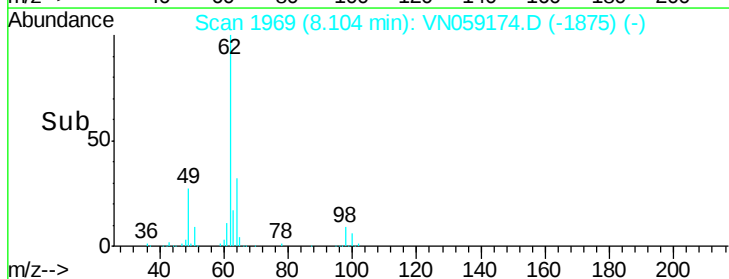
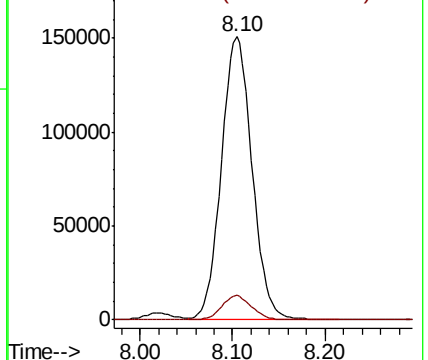


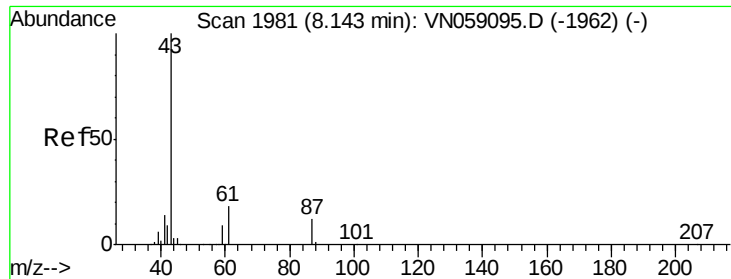
#42
1,2-Dichloroethane
Concen: 50.376 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

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): VNC
Ion 97.90 (97.60 to 98.60): VNC

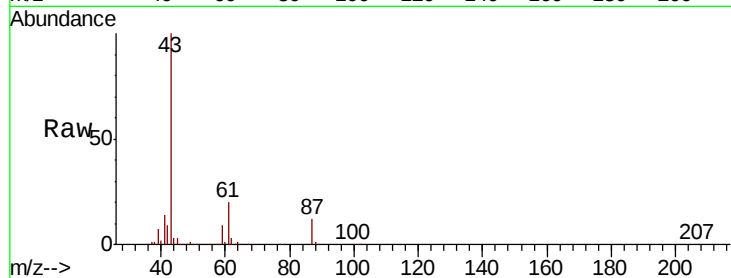




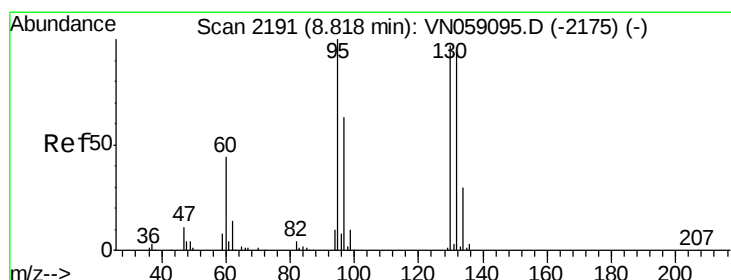
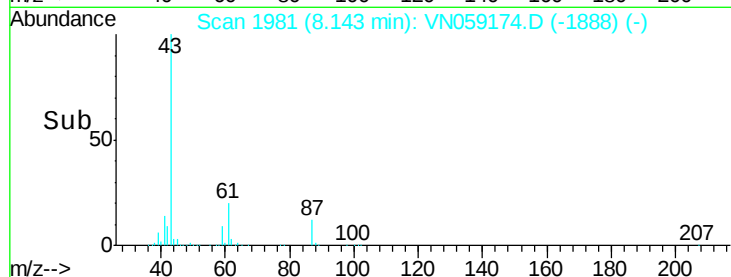
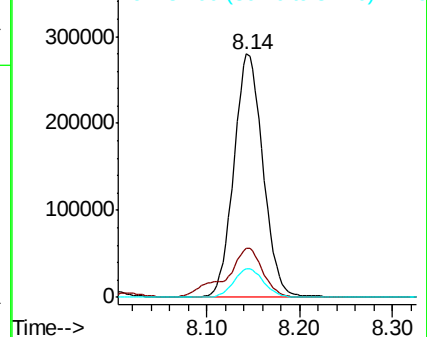
#43
Isopropyl Acetate
Concen: 51.415 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.0	31.6
87	12.2	9.8	14.6

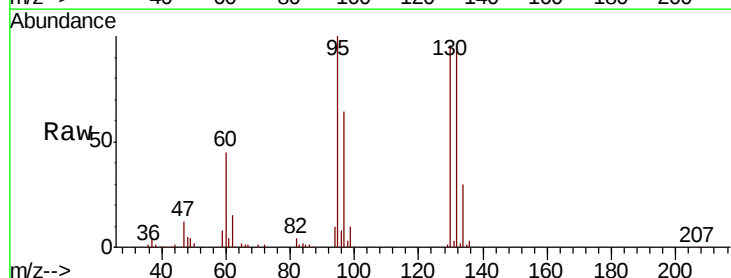


Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)
Ion 61.00 (60.70 to 61.70): VN059095.D (-1962) (-)
Ion 87.00 (86.70 to 87.70): VN059095.D (-1962) (-)

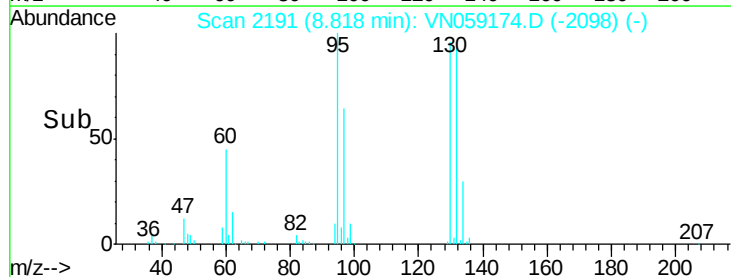
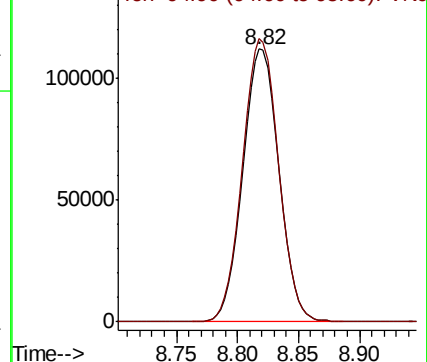


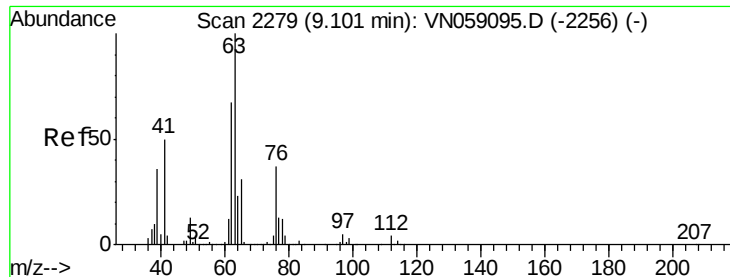
#44
Trichloroethene
Concen: 46.464 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)
Ion 94.90 (94.60 to 95.60): VN059095.D (-2175) (-)





#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

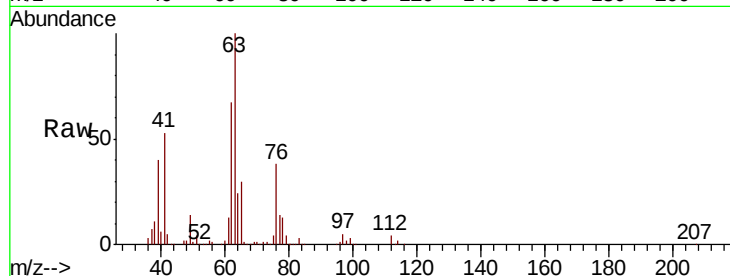
ClientSampleId :

Tot Ion: 63 Resp: 266709

Ion Ratio Lower Upper

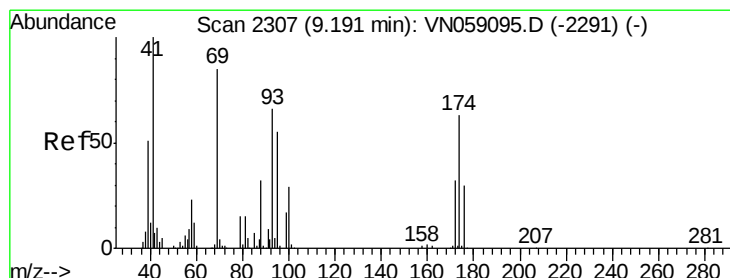
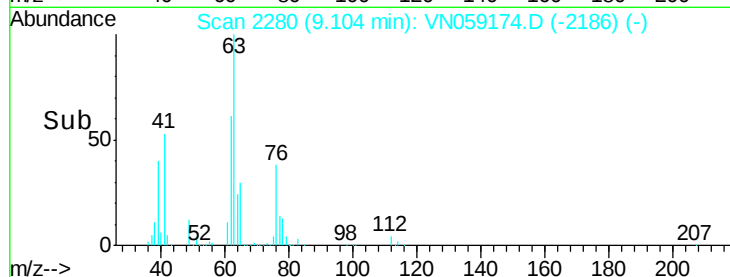
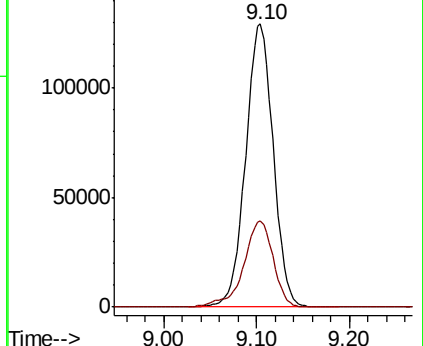
63 100

65 30.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN059174.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059174.D (-2186) (-)



#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

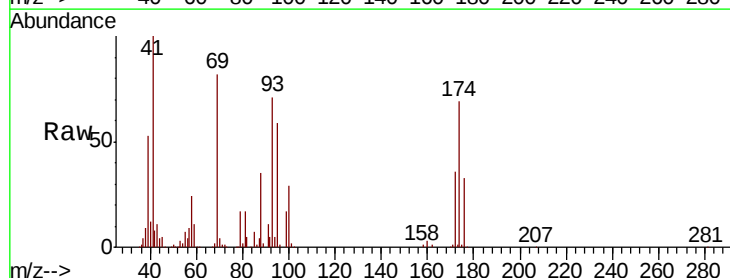
Tgt Ion: 93 Resp: 166056

Ion Ratio Lower Upper

93 100

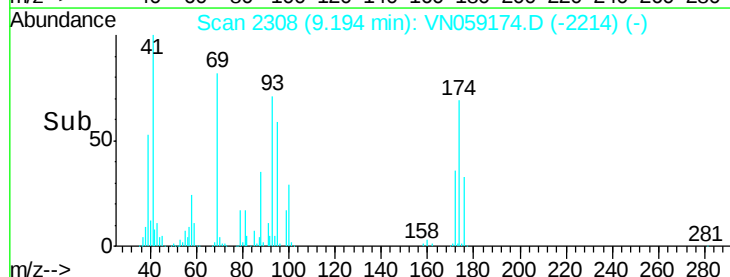
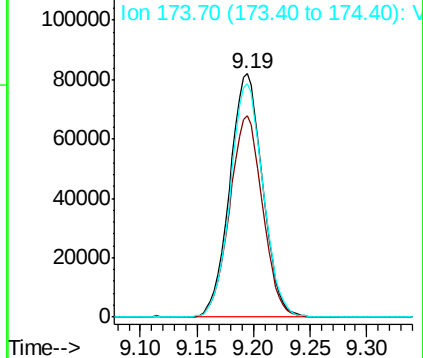
95 82.9 66.6 100.0

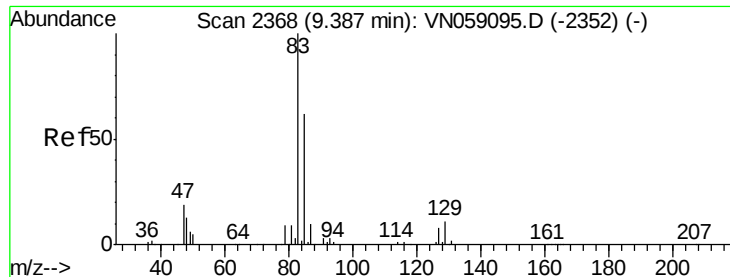
174 95.9 78.2 117.2



Abundance Ion 92.80 (92.50 to 93.50): VN059174.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN059174.D (-2214) (-)





#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

ClientSampled :

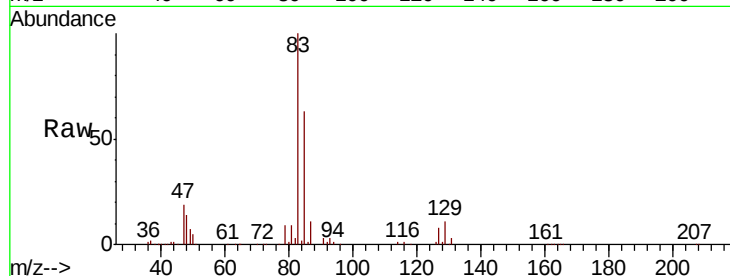
Tot Ion: 83 Resp: 342258

Ion Ratio Lower Upper

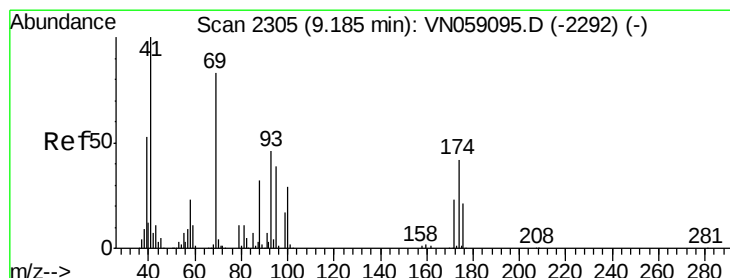
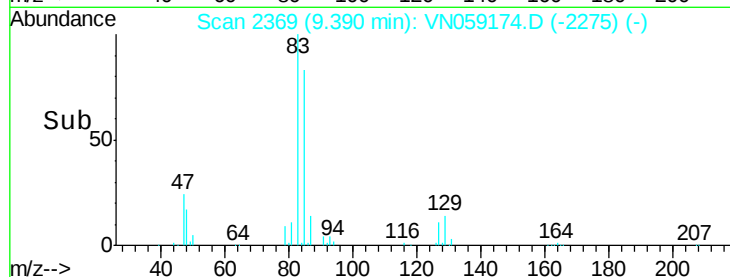
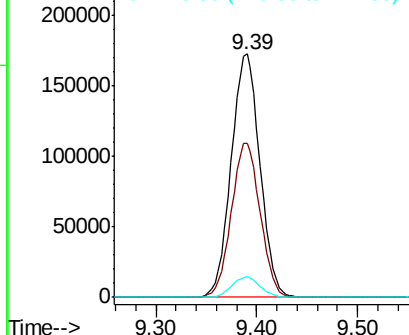
83 100

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

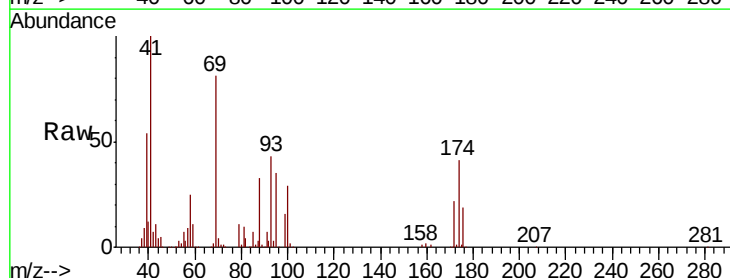
Tgt Ion: 41 Resp: 278690

Ion Ratio Lower Upper

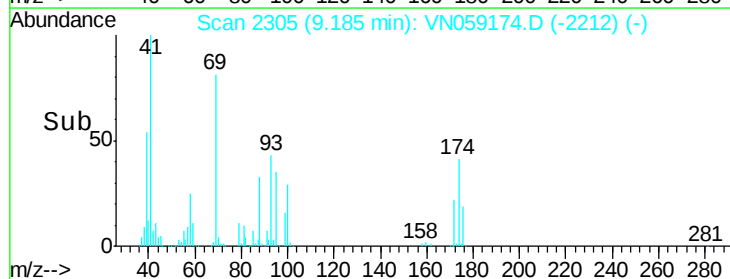
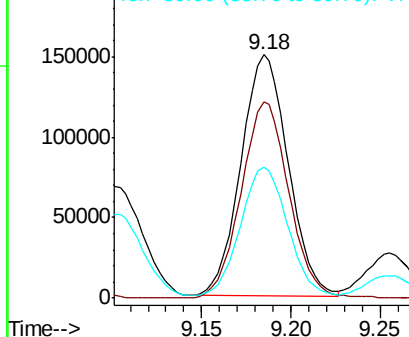
41 100

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

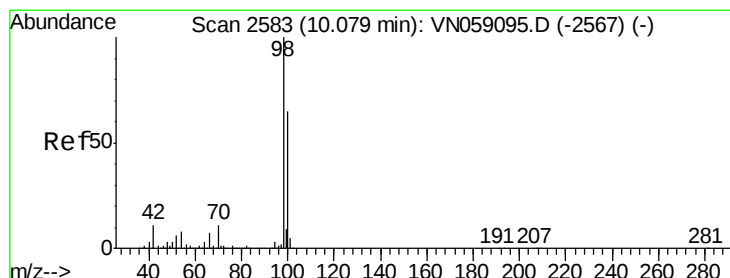
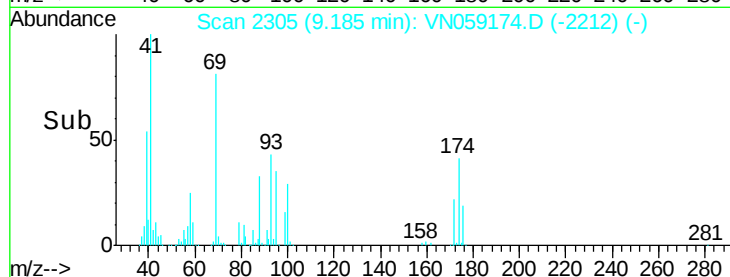
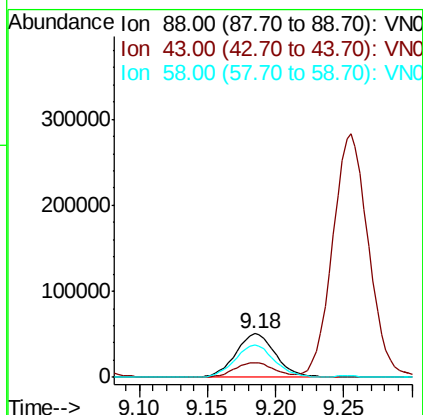
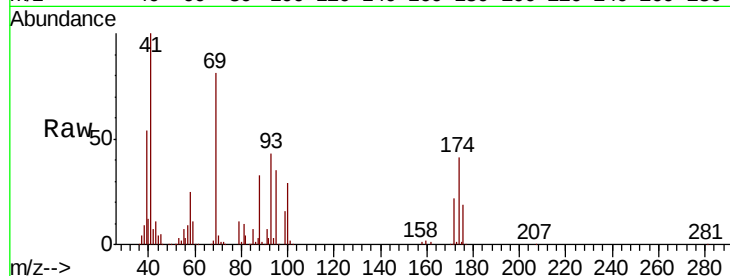




#49
1,4-Dioxane
Concen: 1101.020 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

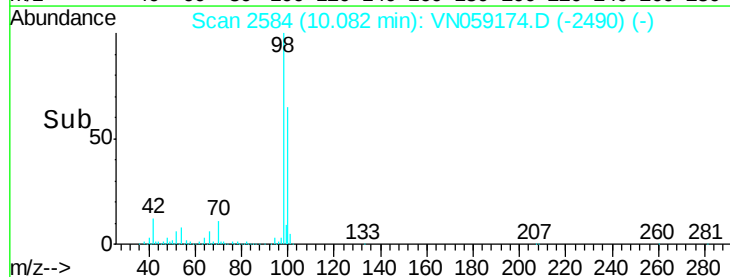
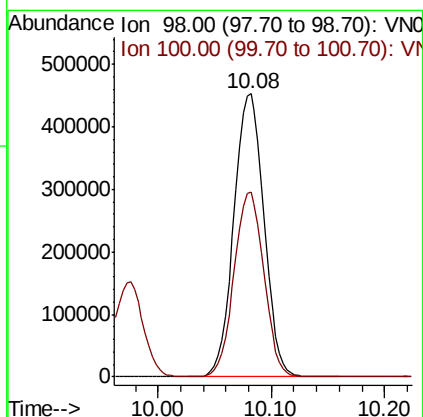
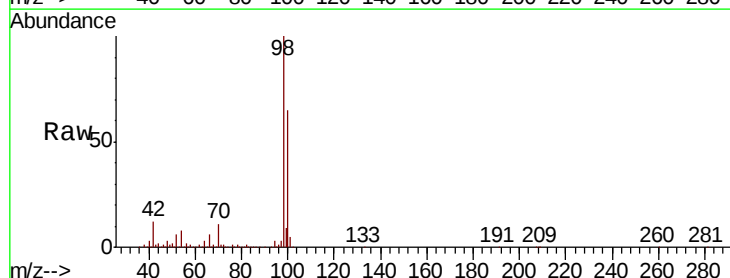
Instrument :
MSVOA_N
ClientSampleId :

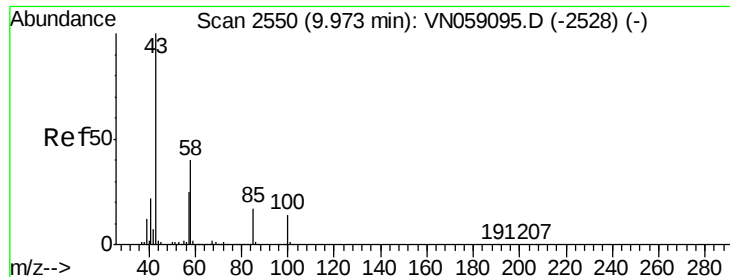
Tot Ion	88	Resp	103355
Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.3	39.5
58	73.8	60.6	90.8



#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





#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

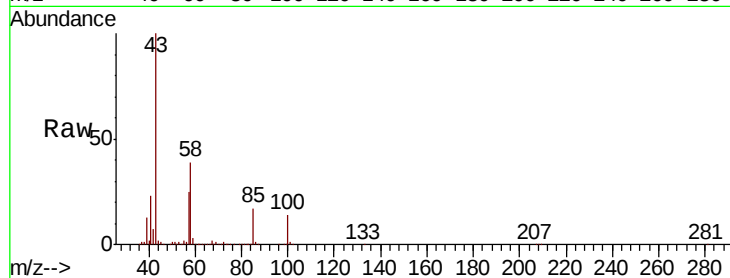
ClientSampled :

Tot Ion: 43 Resp: 1970708

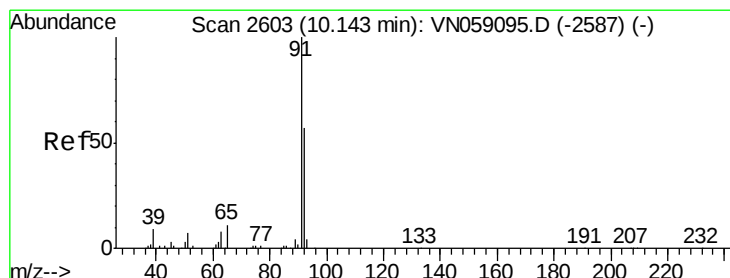
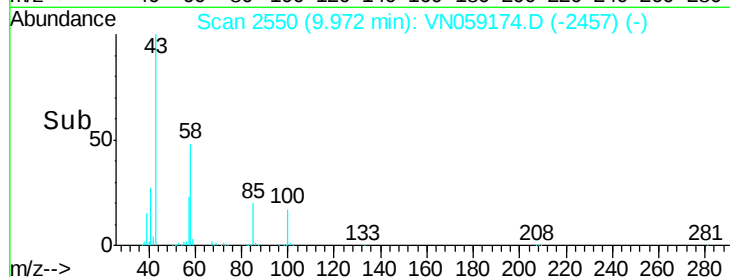
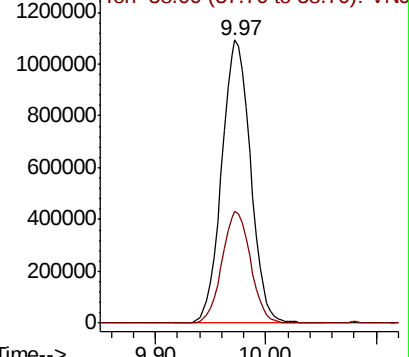
Ion Ratio Lower Upper

43 100

58 39.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)



#52

Toluene

Concen: 48.904 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059174.D

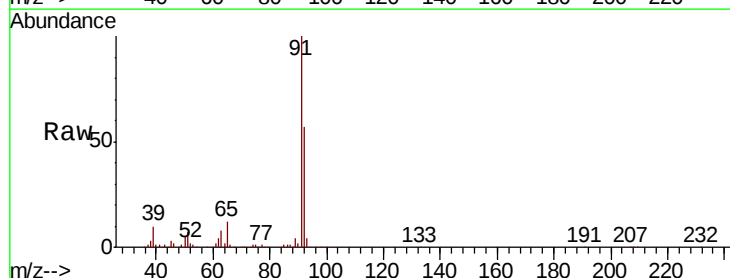
Acq: 11 Nov 2019 20:04

Tgt Ion: 92 Resp: 587721

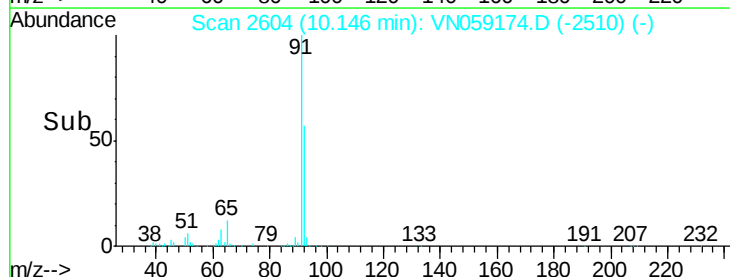
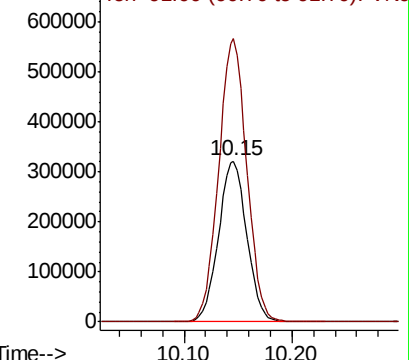
Ion Ratio Lower Upper

92 100

91 174.7 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)





#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

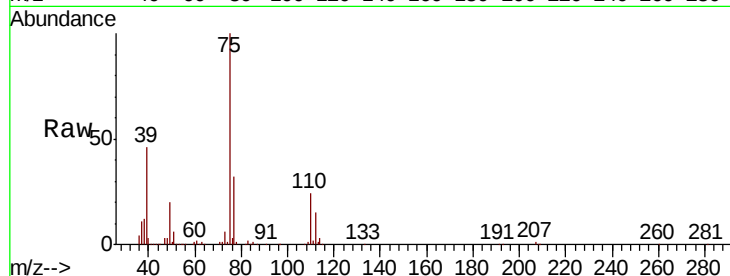
ClientSampleId :

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

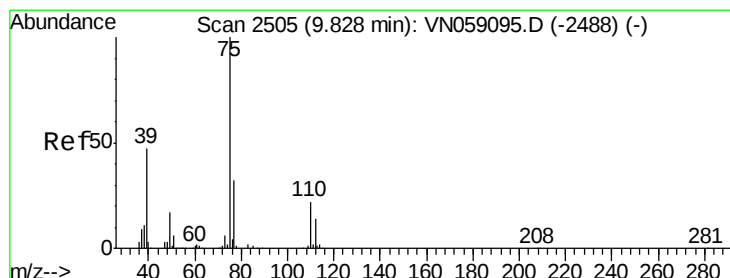
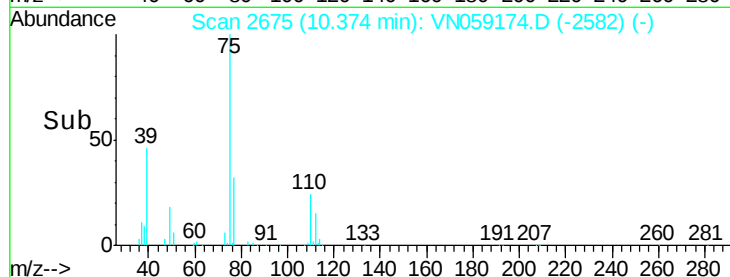
150000

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

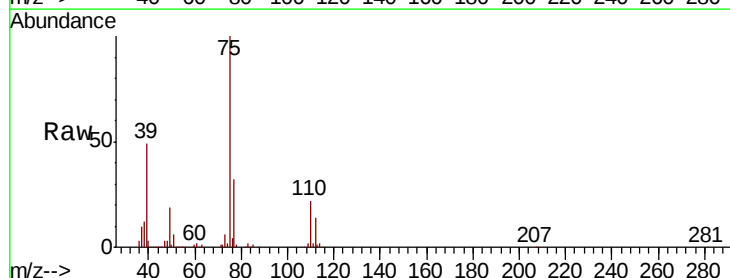
Tgt Ion: 75 Resp: 409110

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

300000

250000

200000

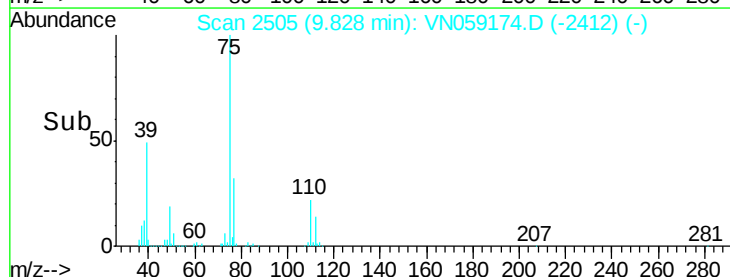
150000

100000

50000

0

Time-->

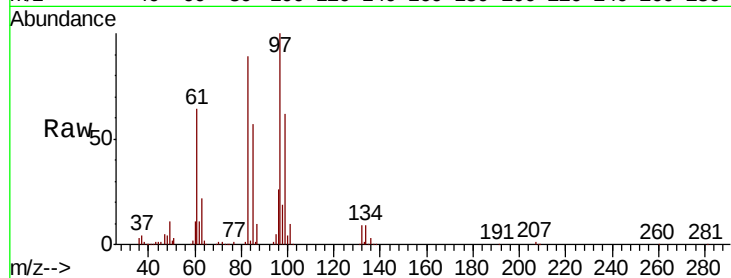




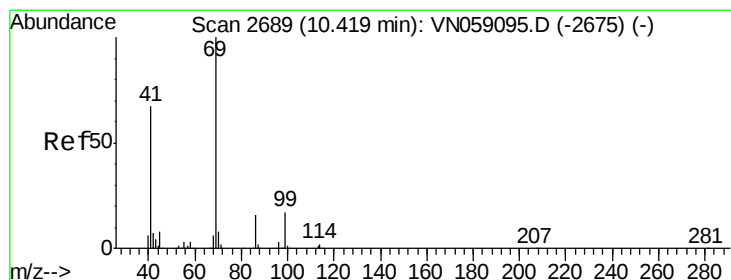
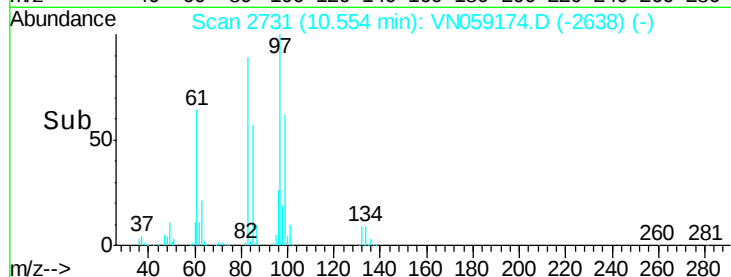
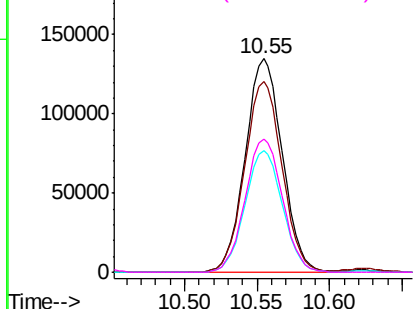
#55
 1,1,2-Trichloroethane
 Concen: 49.385 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :

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

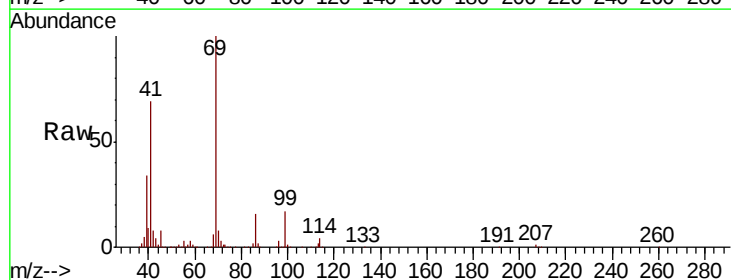


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

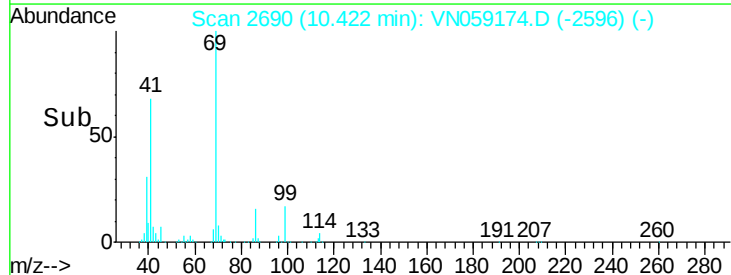
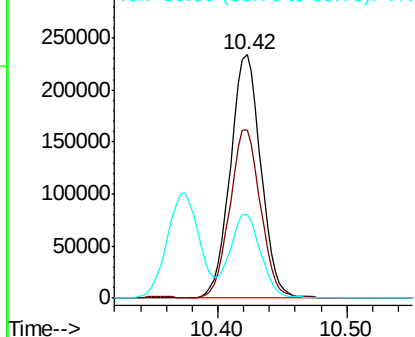


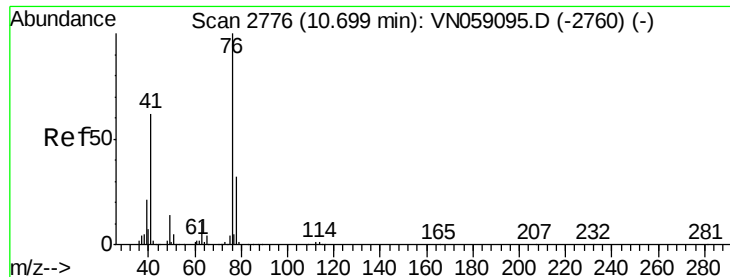
#56
 Ethyl methacrylate
 Concen: 47.495 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

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



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 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

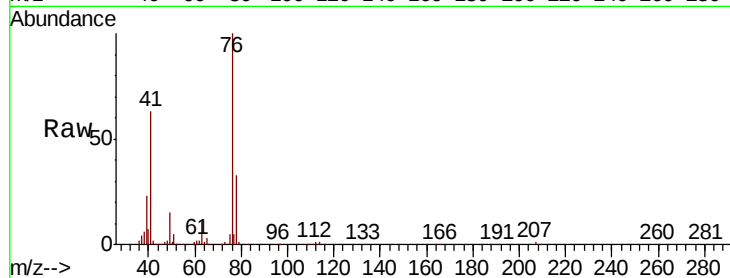
ClientSampleId :

Tot Ion: 76 Resp: 419903

Ion Ratio Lower Upper

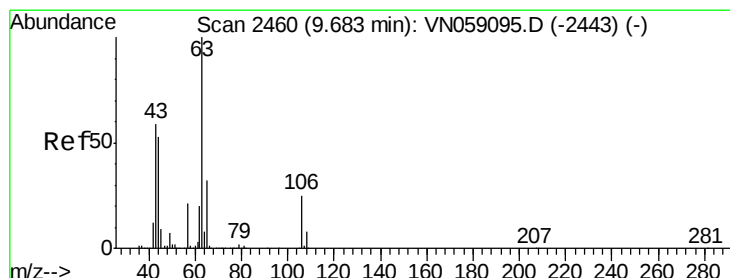
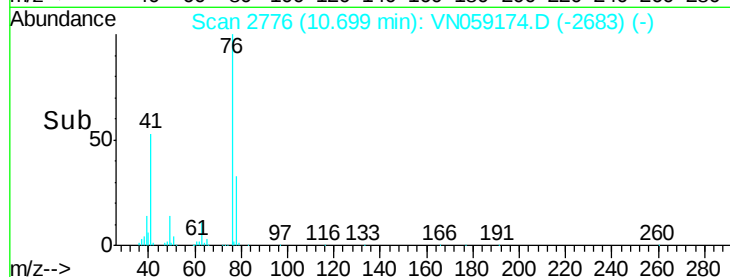
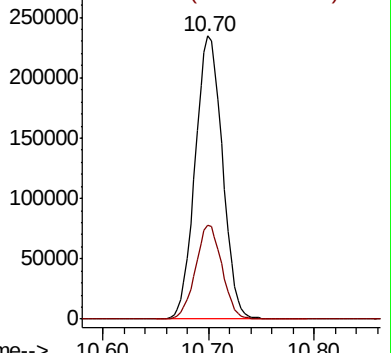
76 100

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

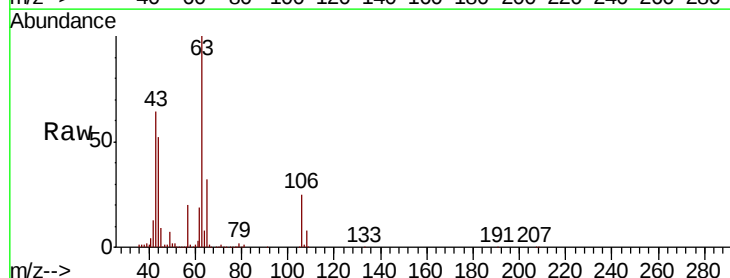
Acq: 11 Nov 2019 20:04

Tgt Ion: 63 Resp: 770851

Ion Ratio Lower Upper

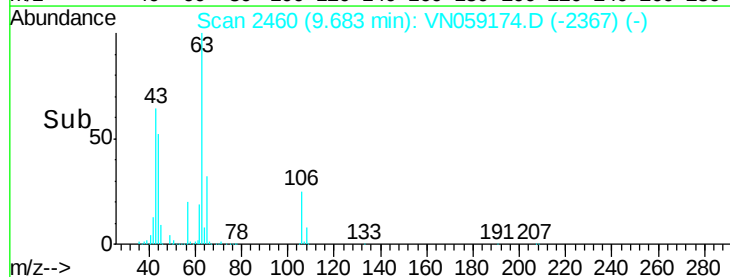
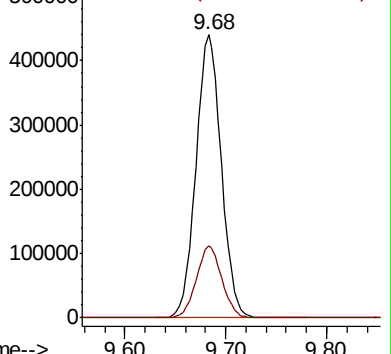
63 100

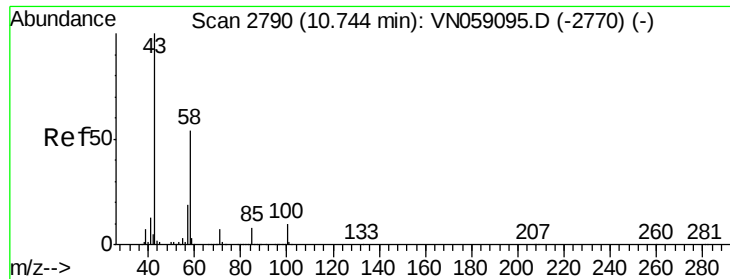
106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

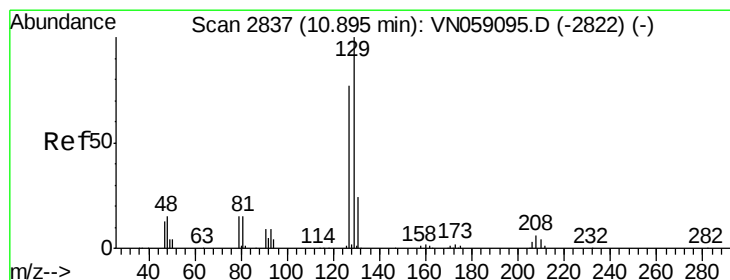
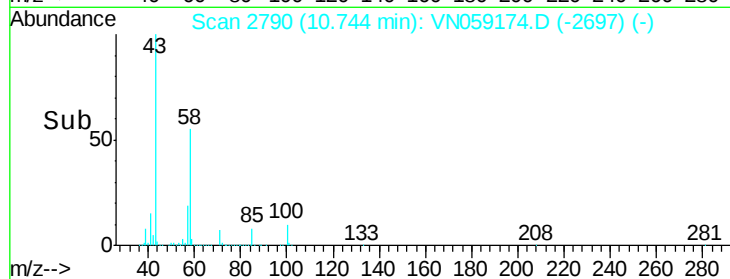
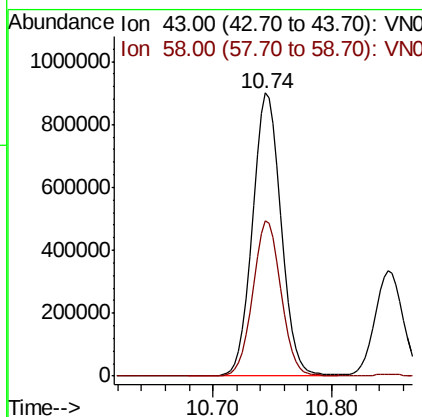
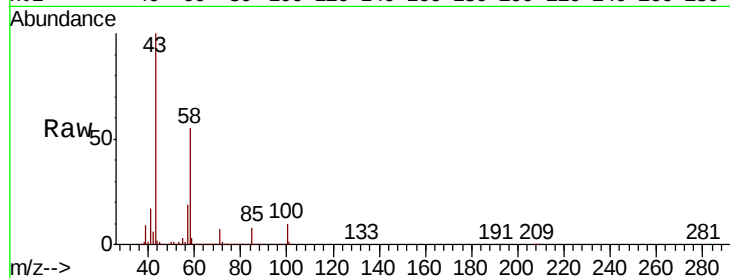




#59
2-Hexanone
Concen: 291.371 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

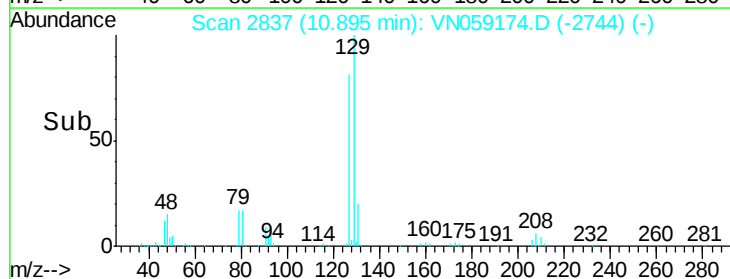
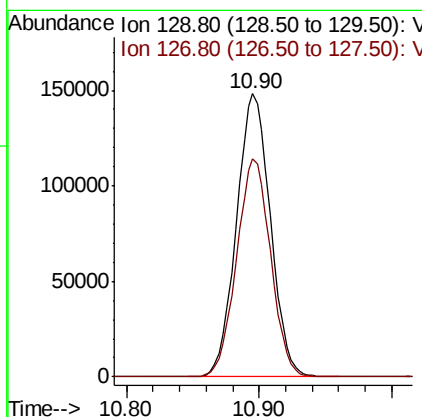
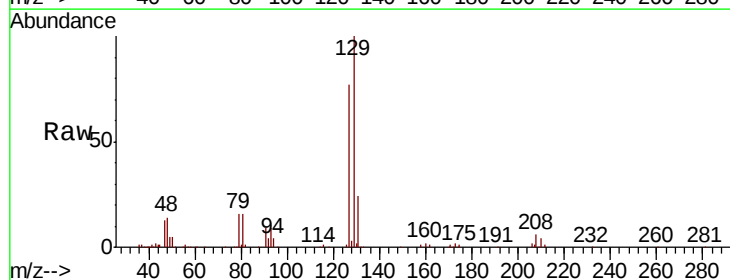
Instrument :
MSVOA_N
ClientSampled :

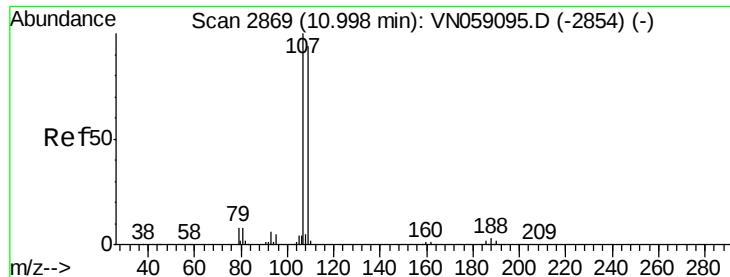
Tot Ion: 43 Resp: 1494341
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8



#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

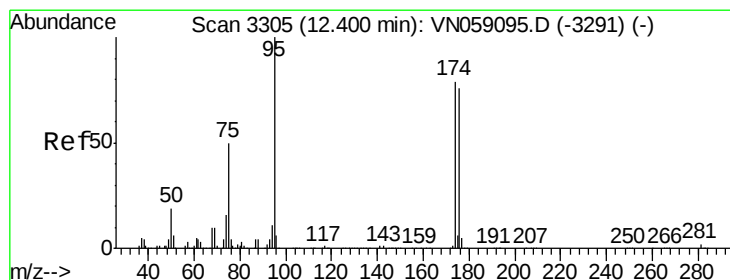
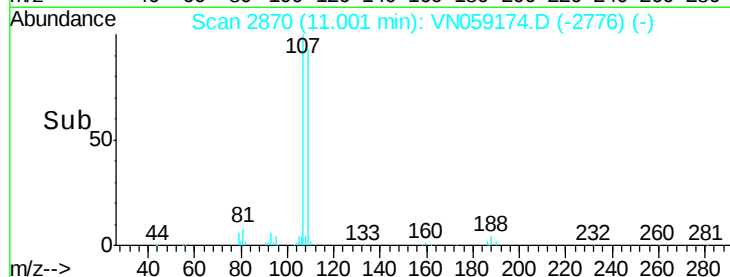
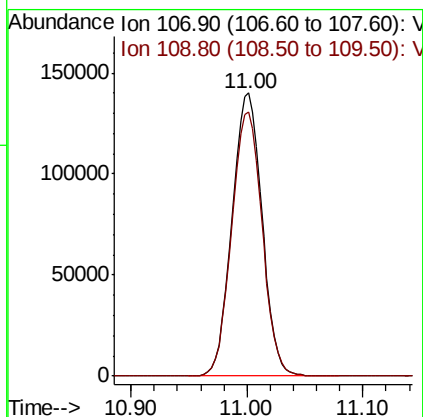
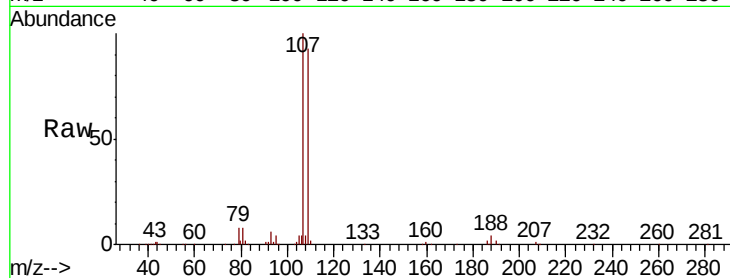




#61
 1,2-Dibromoethane
 Concen: 50.724 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

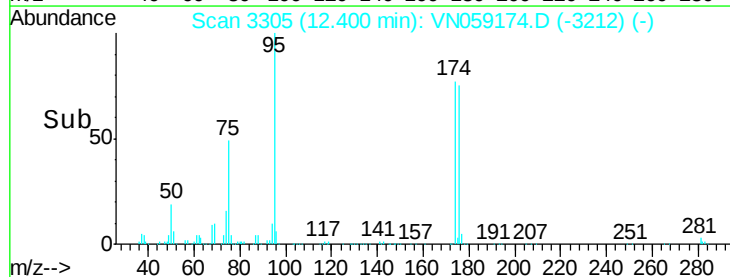
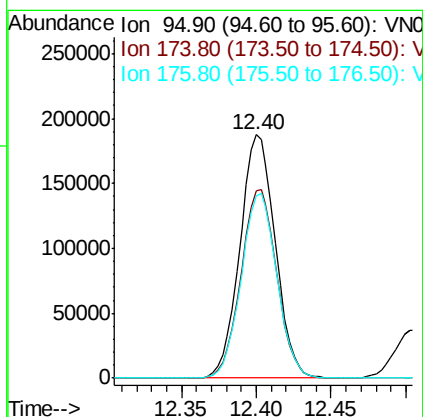
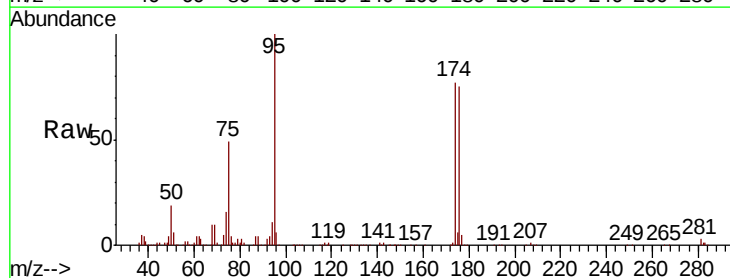
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 107 Resp: 249749
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.5 113.3



#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





#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 :

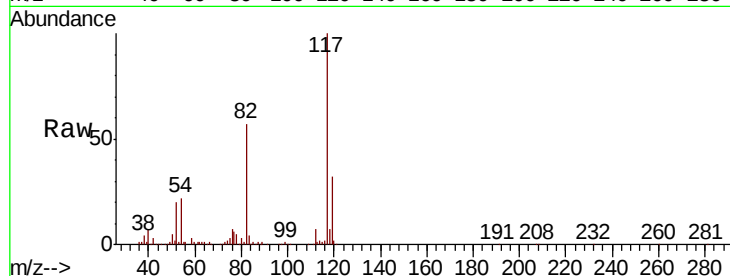
Tot Ion:117 Resp: 657154

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.8

119 32.1 25.8 38.6

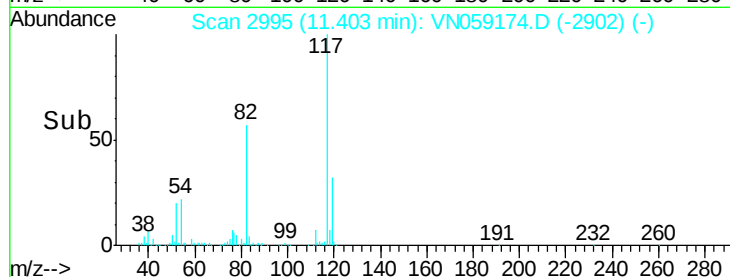


Abundance Ion 116.90 (116.60 to 117.60): V

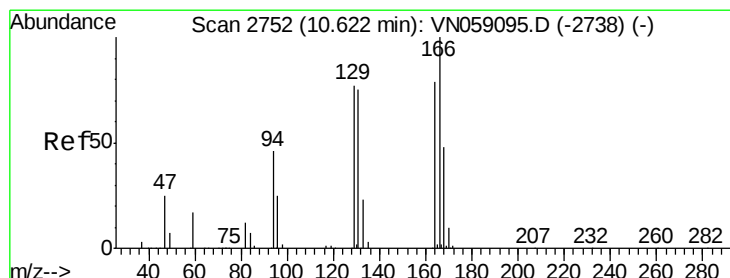
Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V

Time--> 11.30 11.35 11.40 11.45



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

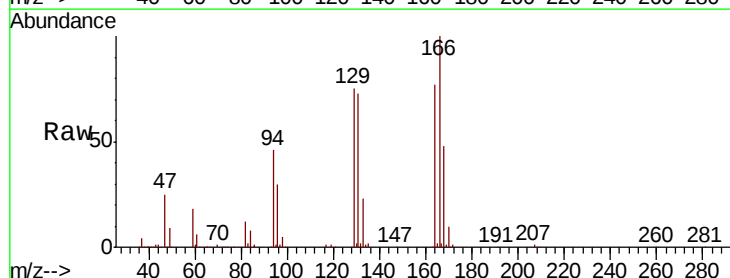
Ion Ratio Lower Upper

164 100

166 129.5 101.5 152.3

129 97.0 78.3 117.5

131 94.5 75.9 113.9



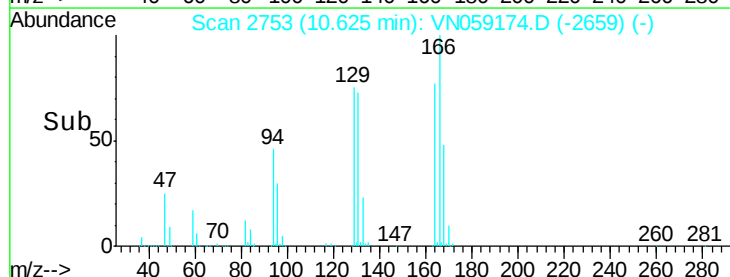
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

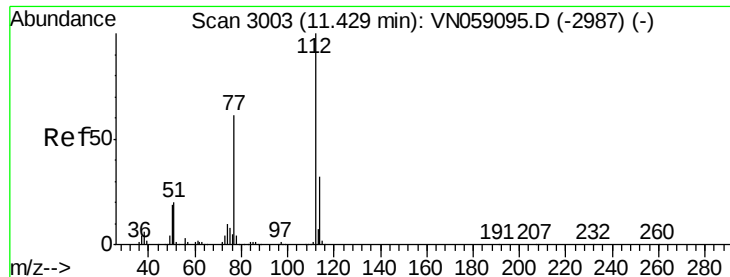
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time--> 10.60 10.63 10.67



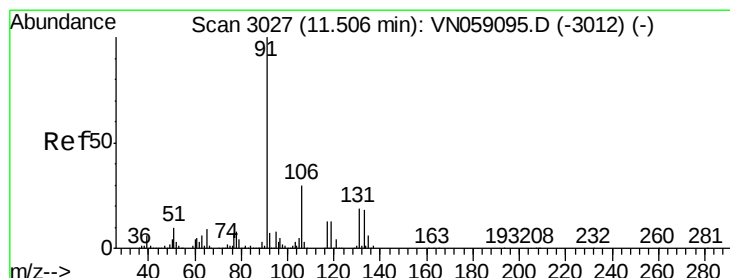
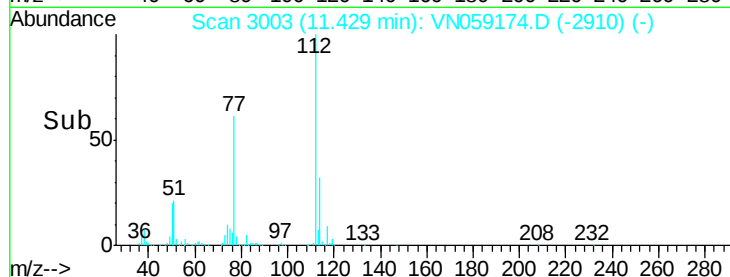
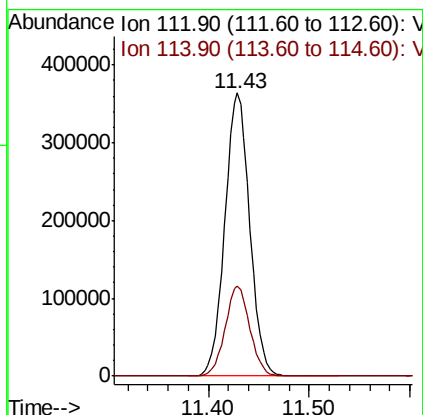
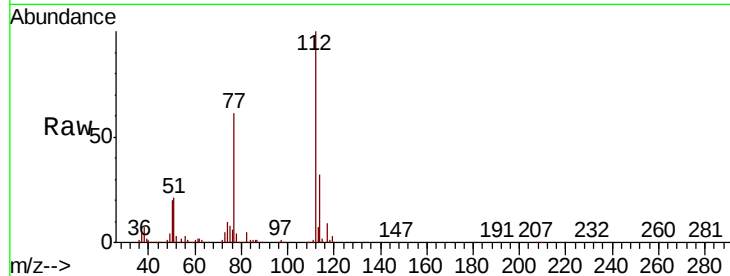
Time--> 10.60 10.63 10.67



#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

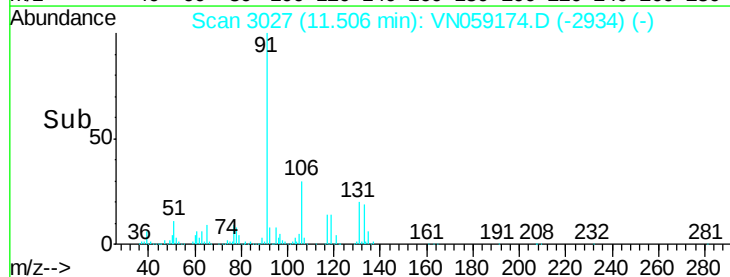
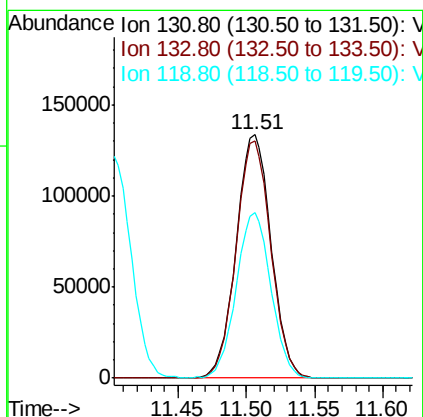
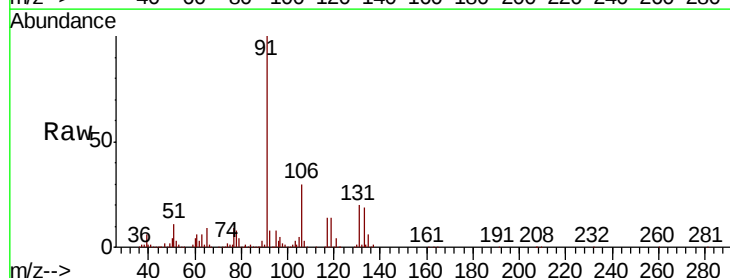
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 624671
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#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





#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

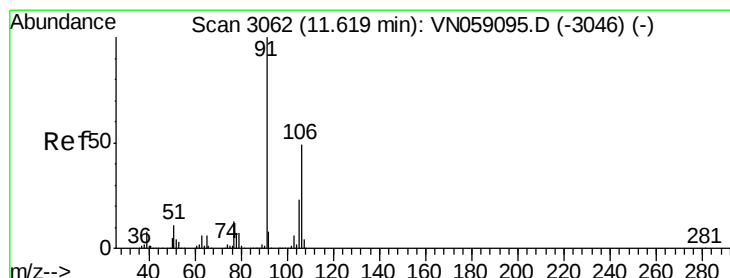
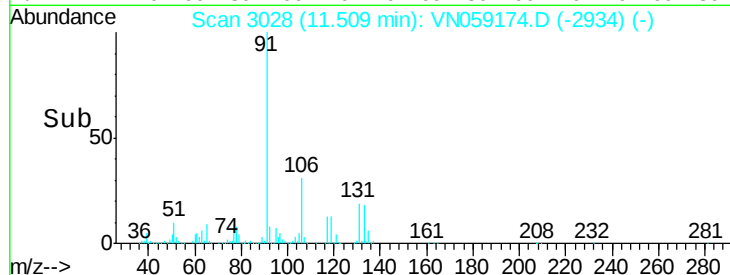
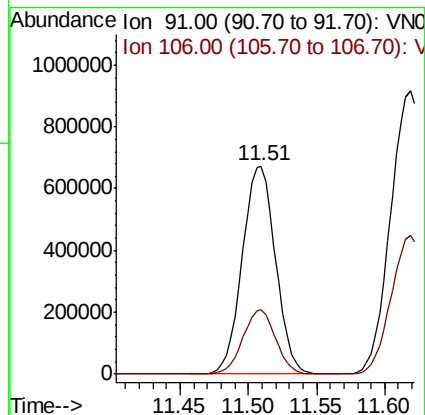
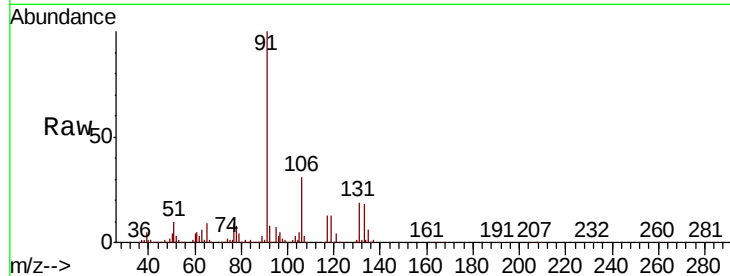
ClientSampled :

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

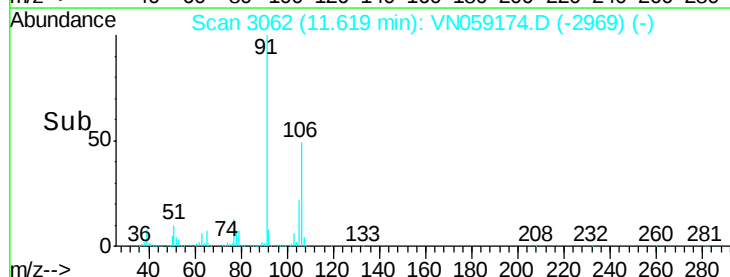
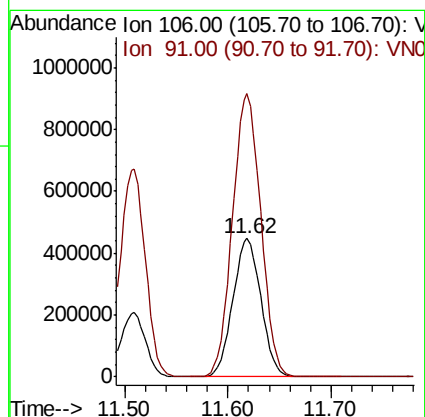
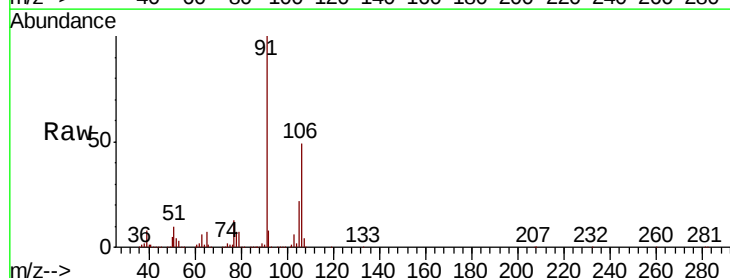
Acq: 11 Nov 2019 20:04

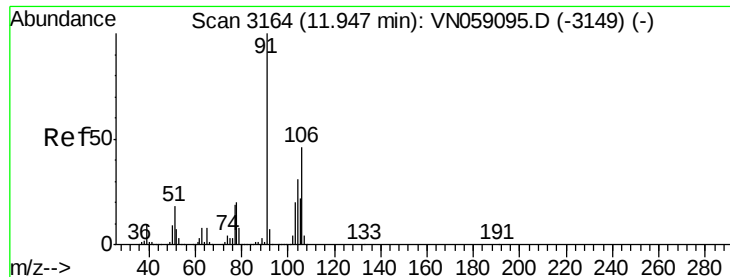
Tgt Ion: 106 Resp: 848282

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1

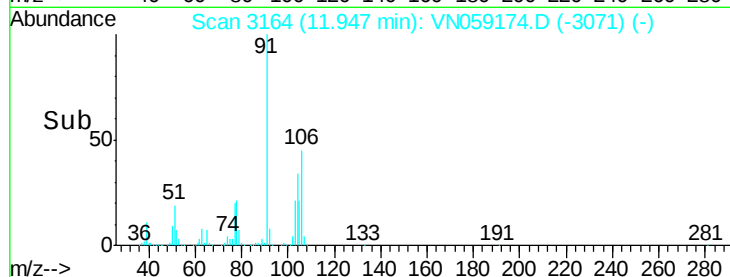
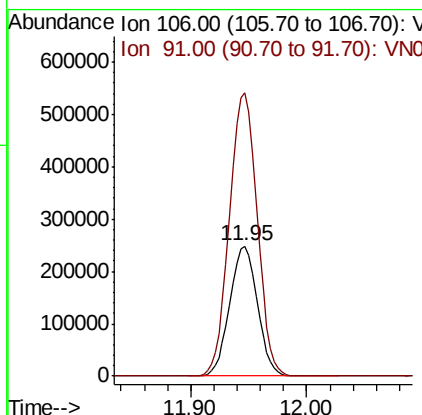
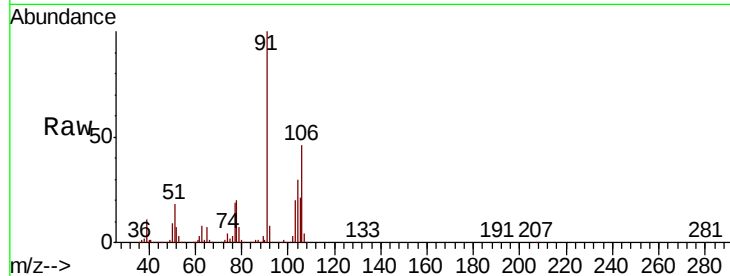




#69
o-Xylene
Concen: 49.681 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

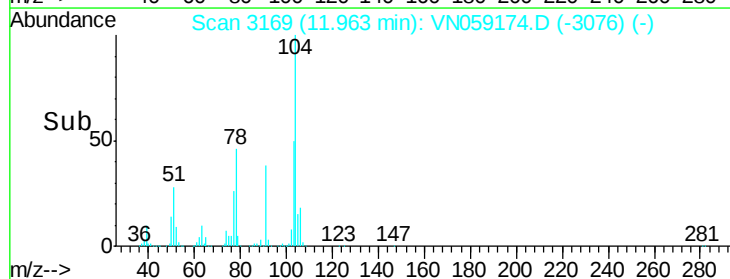
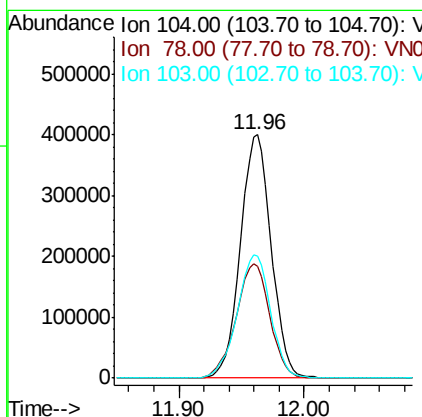
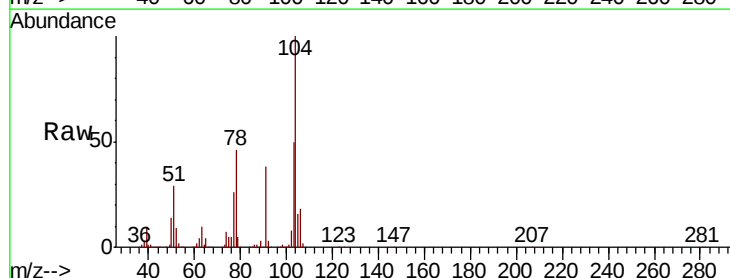
Instrument :
MSVOA_N
ClientSampled :

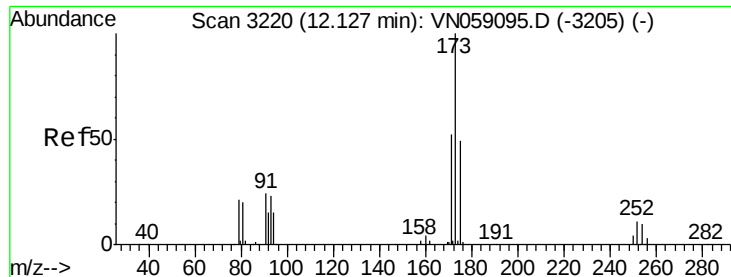
Tot Ion:106 Resp: 408770
Ion Ratio Lower Upper
106 100
91 218.6 110.1 330.3



#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

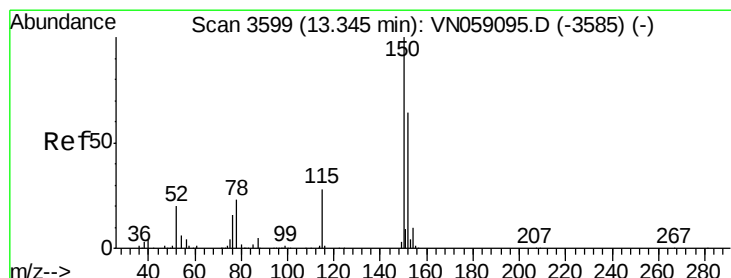
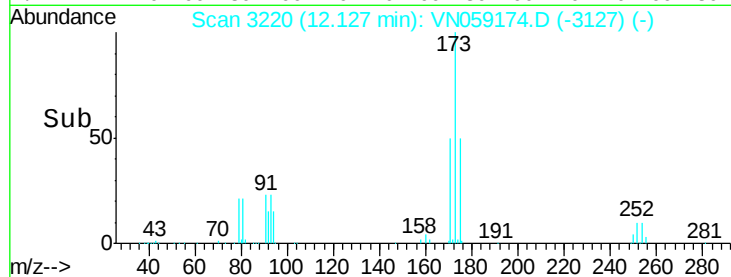
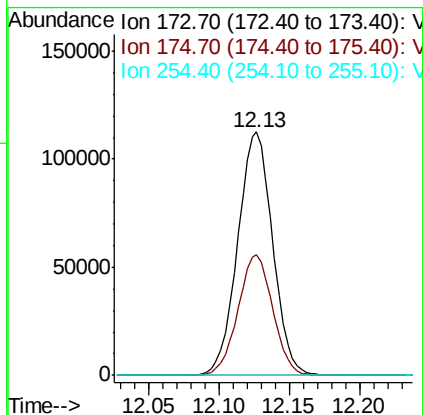
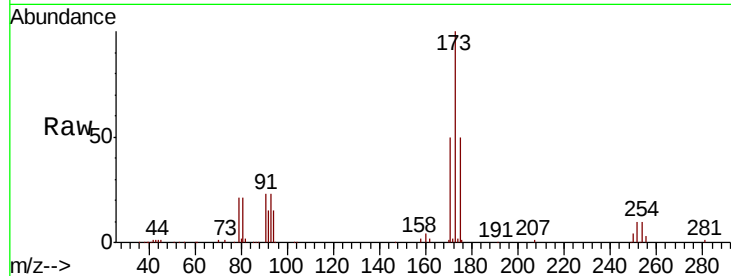




#71
Bromoform
Concen: 52.197 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

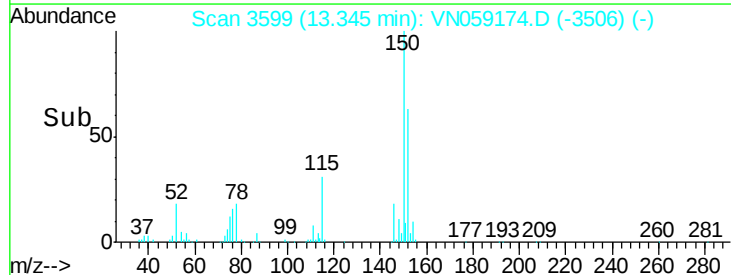
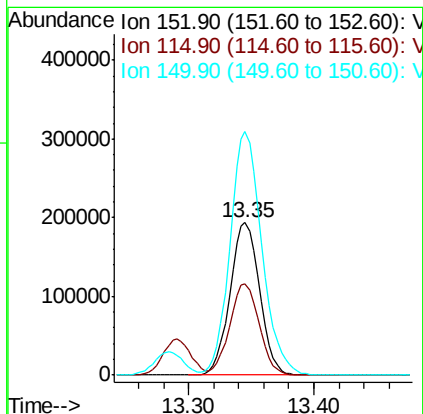
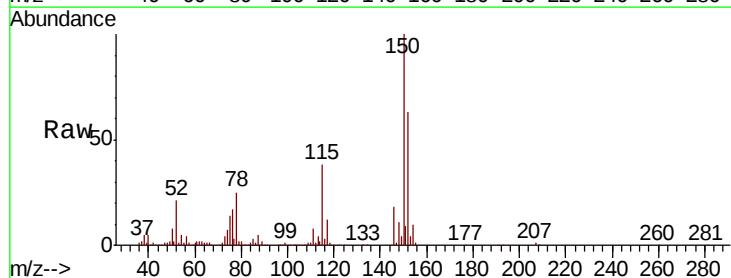
Instrument :
MSVOA_N
ClientSampleId :

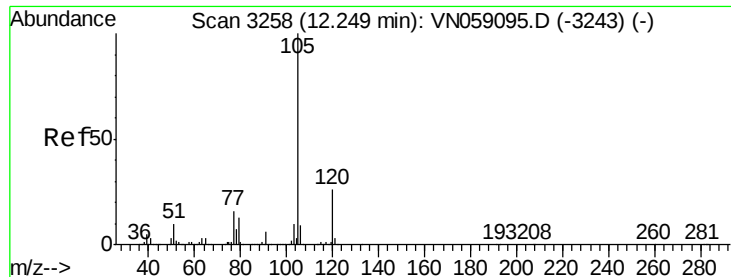
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.0	0.1	0.1#



#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	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

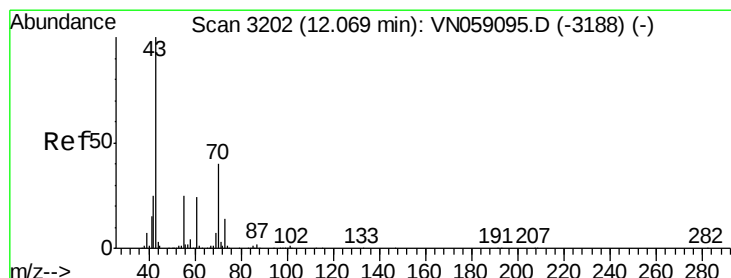
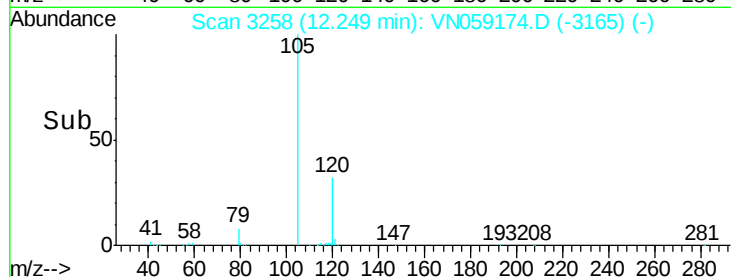
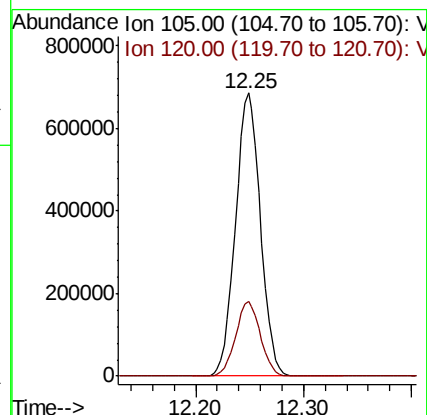
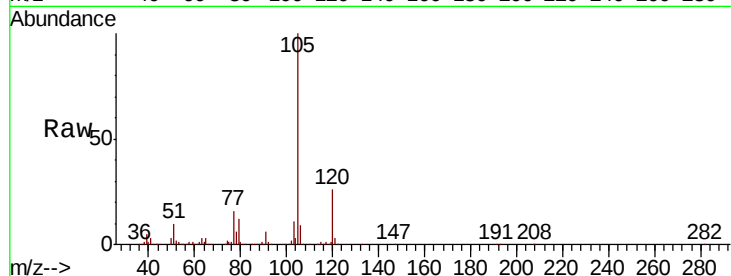
ClientSampleId :

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

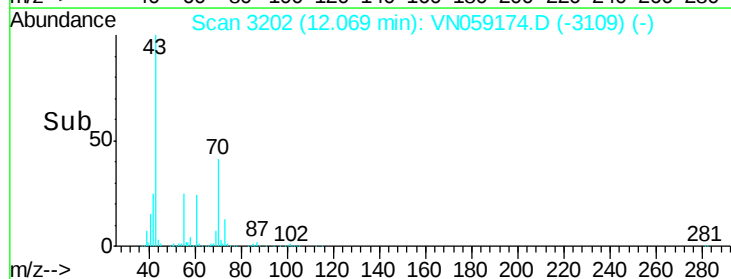
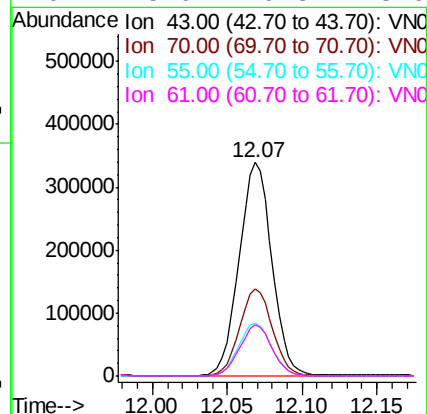
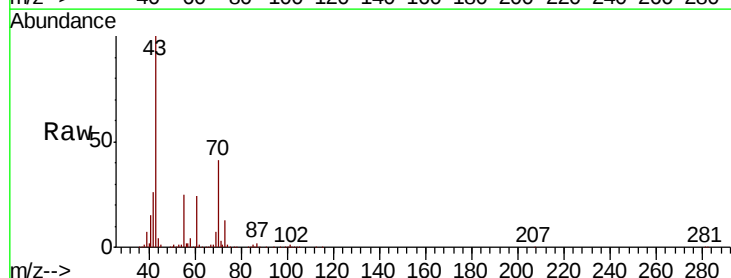
Ion Ratio Lower Upper

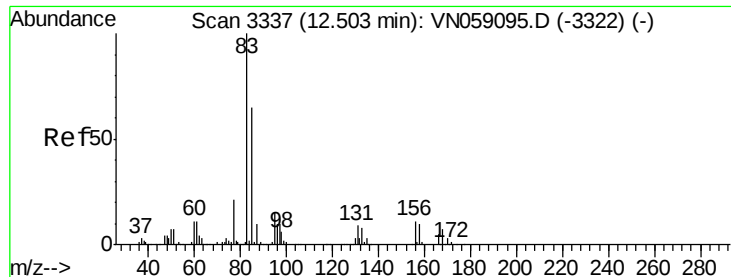
43 100

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 :

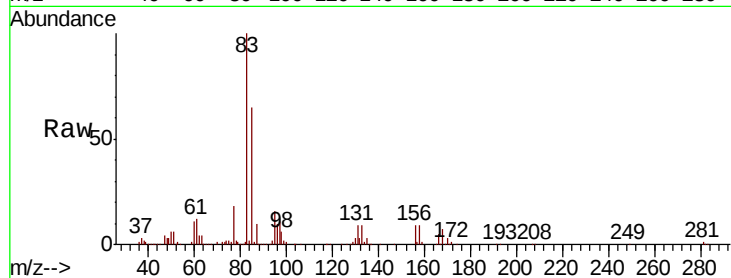
Tot Ion: 83 Resp: 386663

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	64.5	32.4	97.2

83 100

131 9.7 4.9 14.6

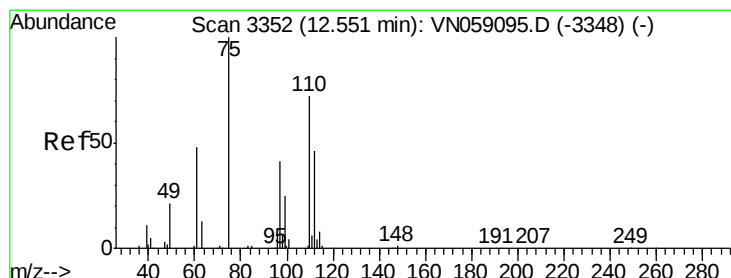
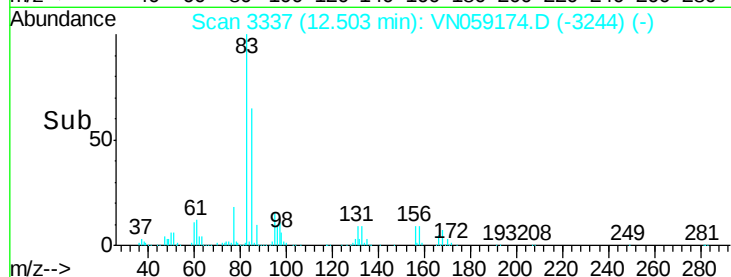
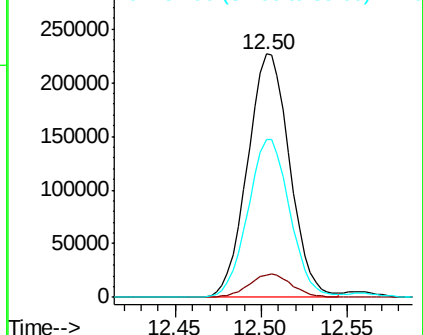
85 64.5 32.4 97.2



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) (-)



#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

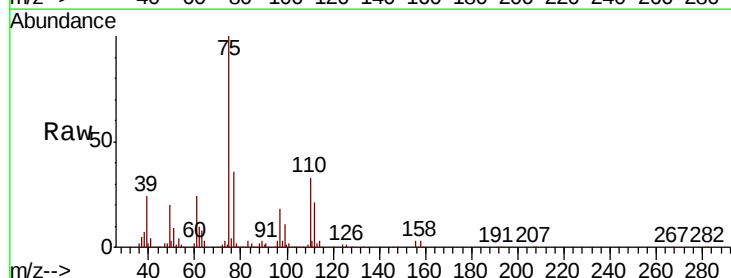
Acq: 11 Nov 2019 20:04

Tgt Ion: 75 Resp: 519496

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

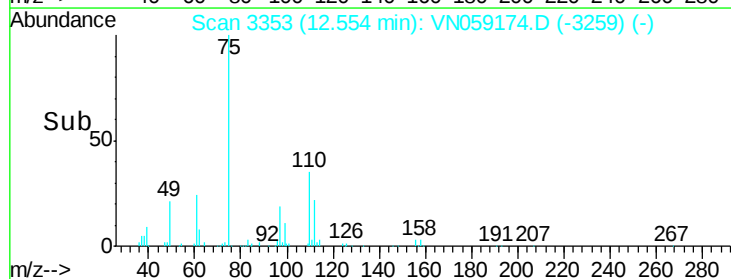
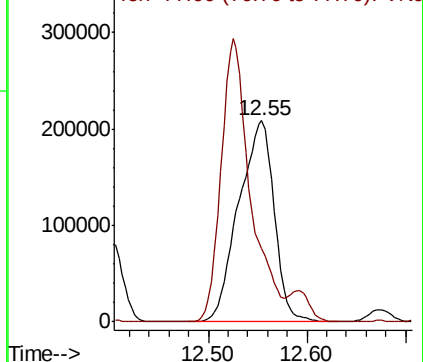
75 100

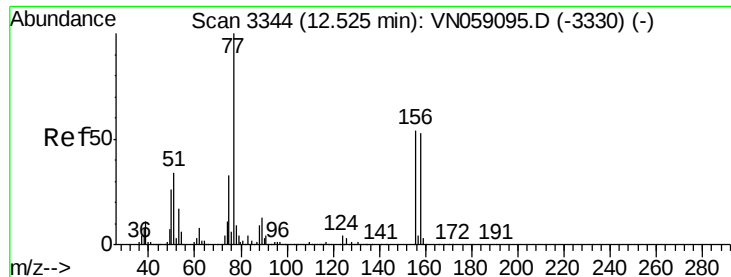
77 0.0 0.0 0.0



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

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





#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

ClientSampled :

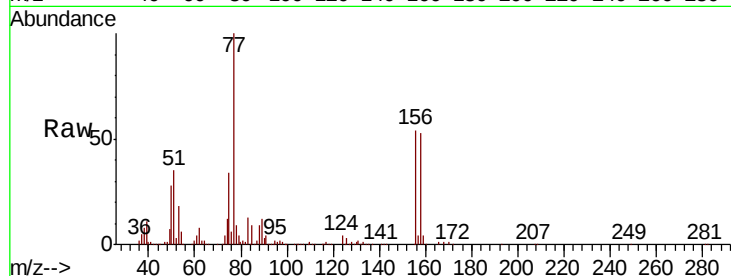
Tot Ion:156 Resp: 270173

Ion Ratio Lower Upper

156 100

77 227.3 112.8 338.3

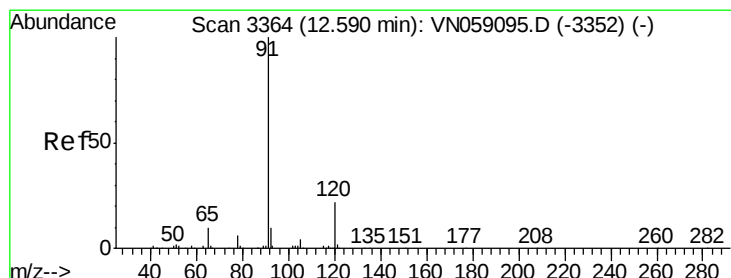
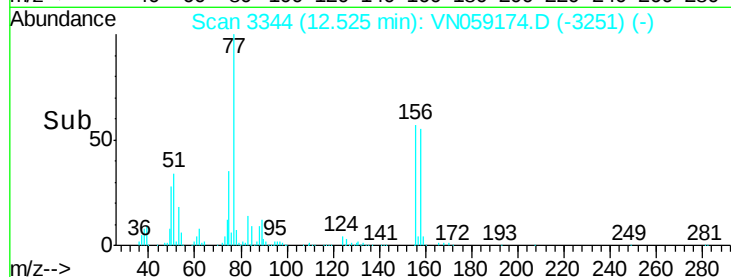
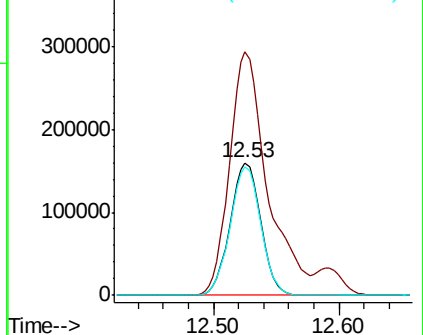
158 97.0 48.4 145.3



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

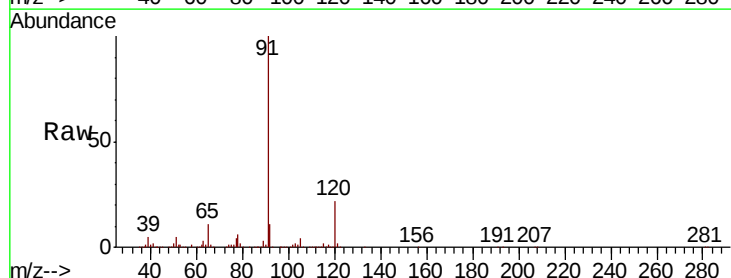
Acq: 11 Nov 2019 20:04

Tgt Ion: 91 Resp: 1304229

Ion Ratio Lower Upper

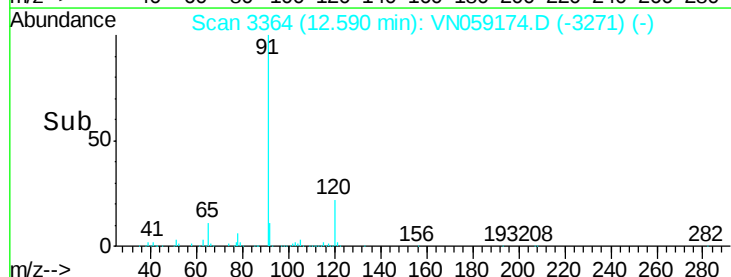
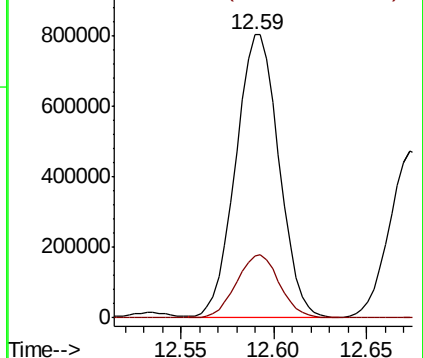
91 100

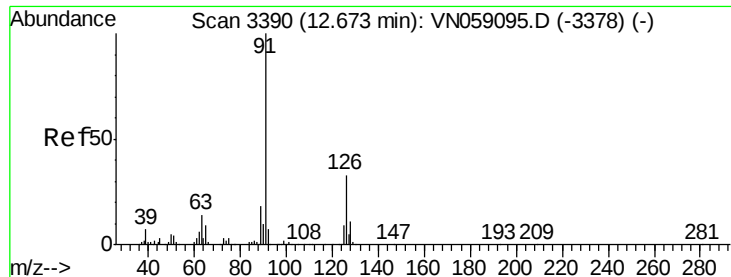
120 22.1 11.2 33.5



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

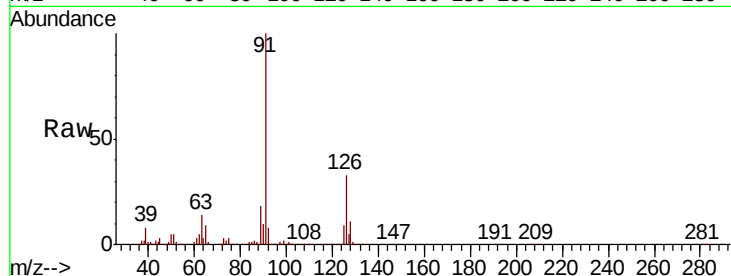
ClientSampled :

Tot Ion: 91 Resp: 775722

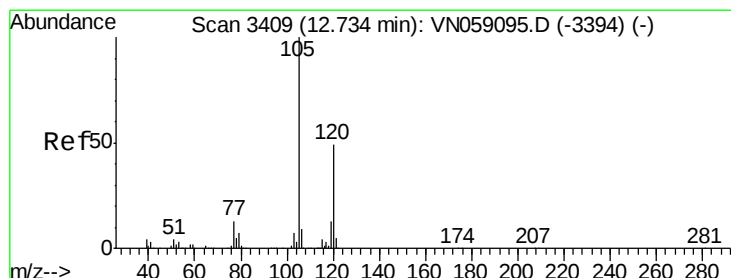
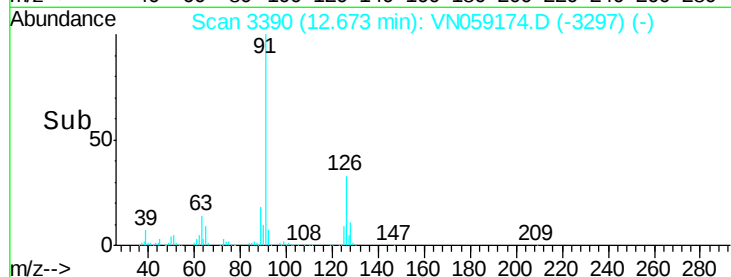
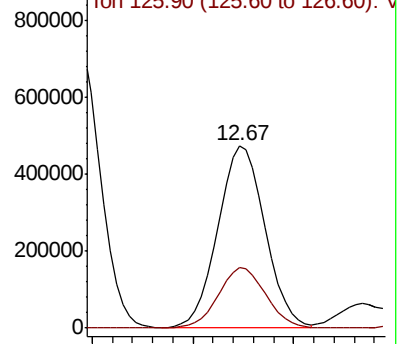
Ion Ratio Lower Upper

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

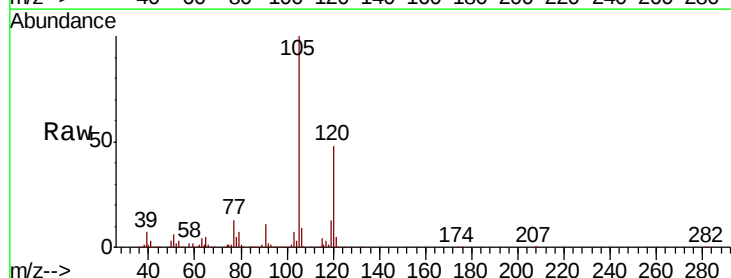
Acq: 11 Nov 2019 20:04

Tgt Ion: 105 Resp: 949268

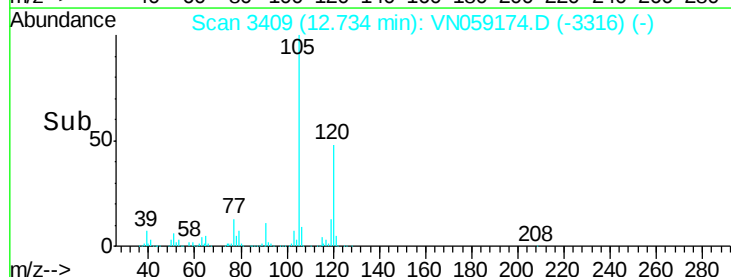
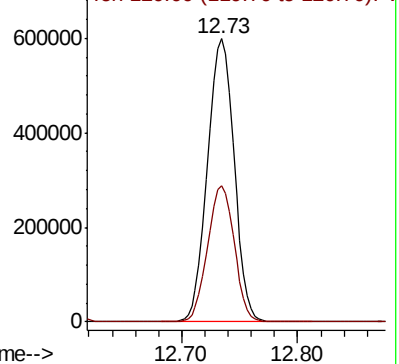
Ion Ratio Lower Upper

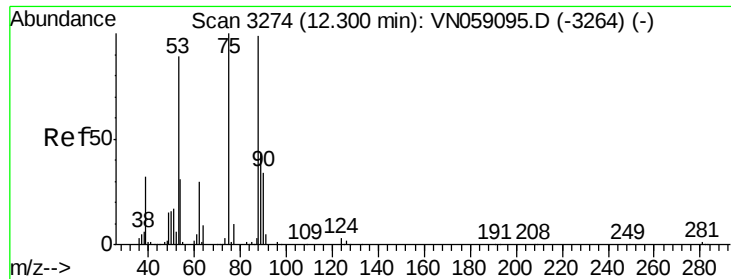
105 100

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 :

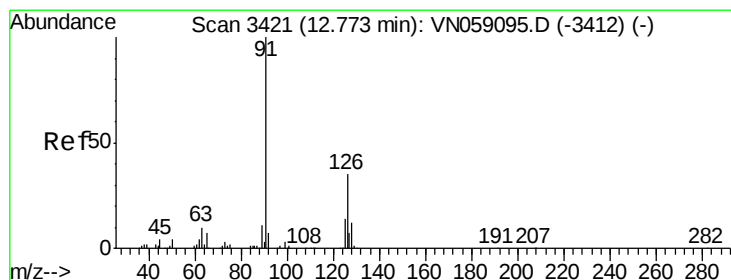
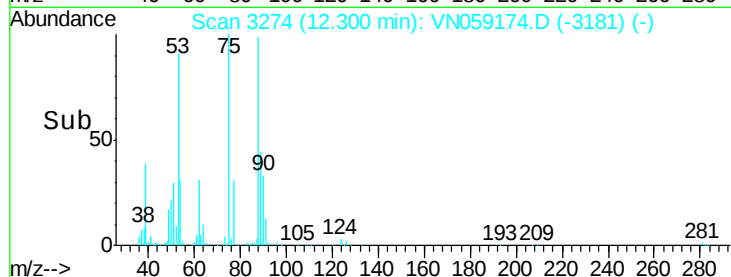
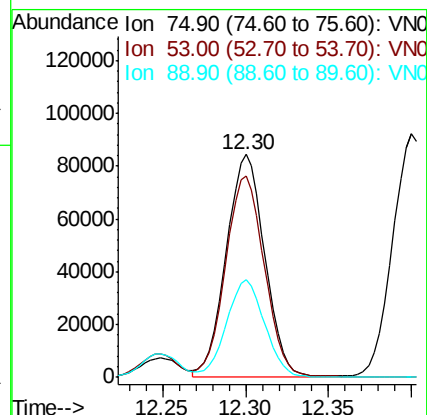
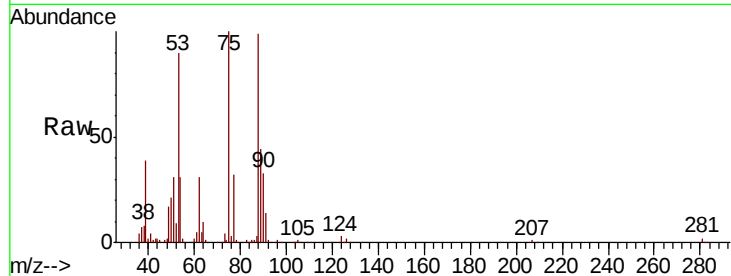
Tot Ion: 75 Resp: 136556

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

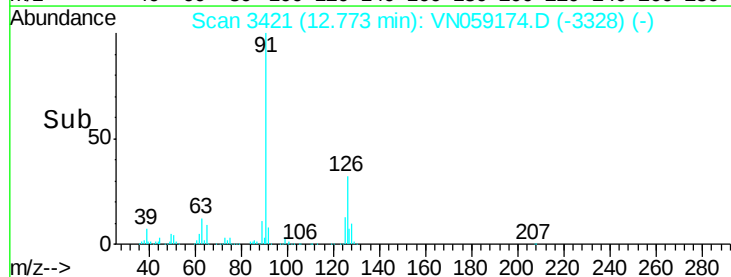
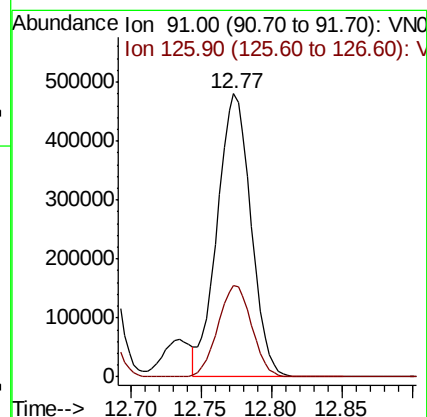
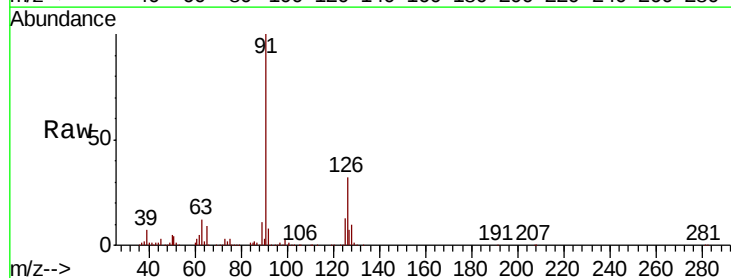
Acq: 11 Nov 2019 20:04

Tgt Ion: 91 Resp: 795632

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2

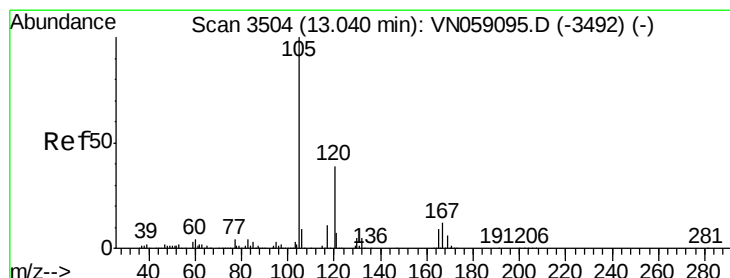
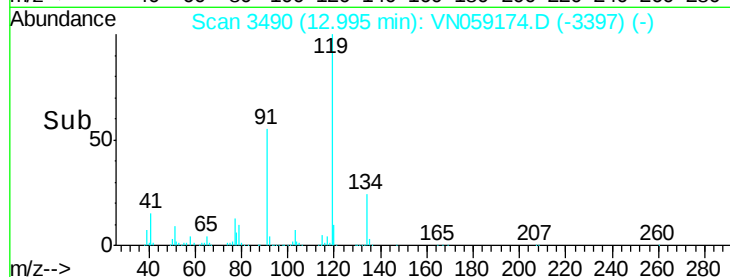
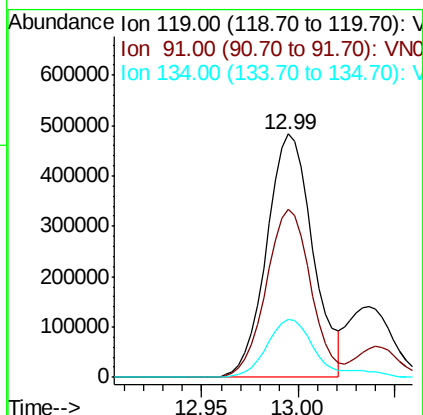
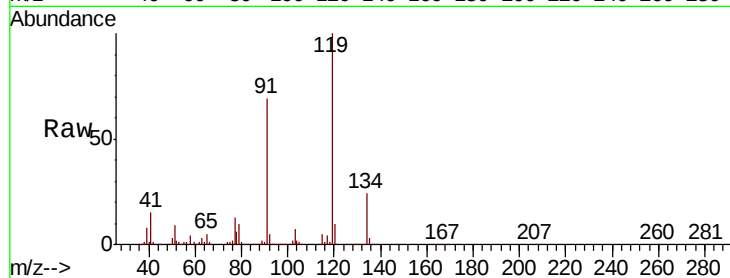




#83
tert-Butylbenzene
Concen: 47.419 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

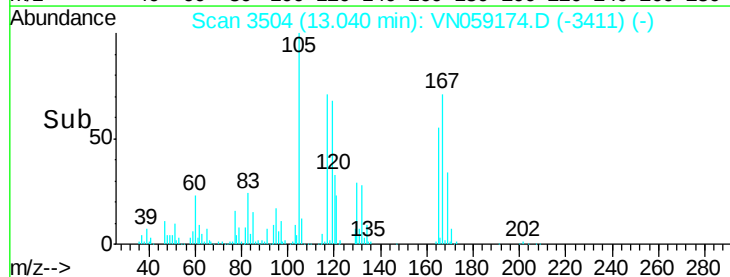
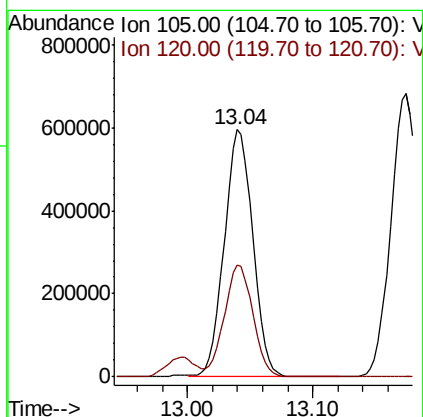
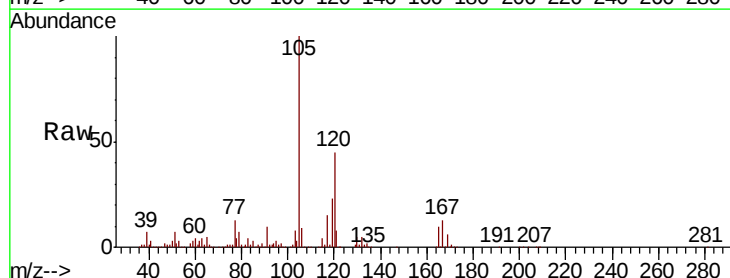
Instrument :
MSVOA_N
ClientSampleId :

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

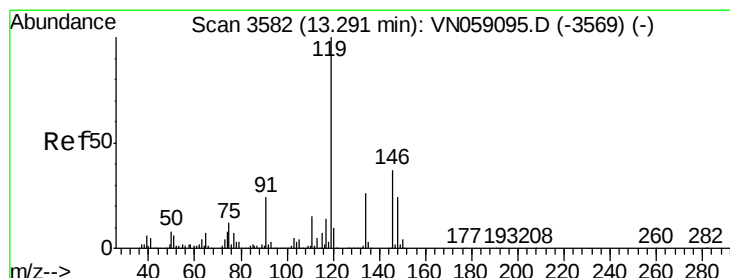
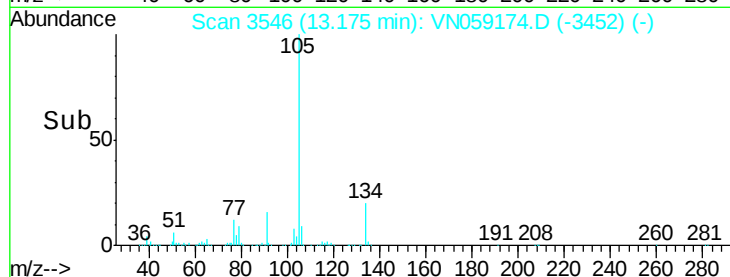
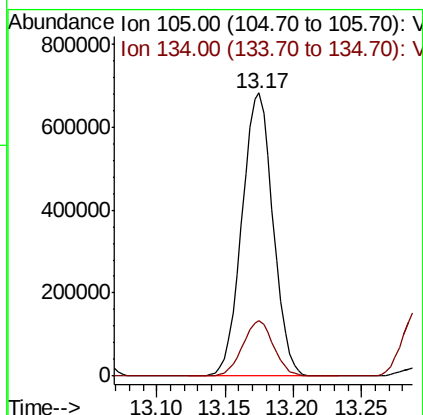
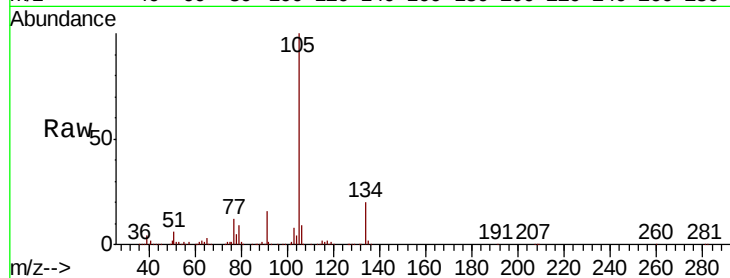




#85
 sec-Butylbenzene
 Concen: 49.030 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

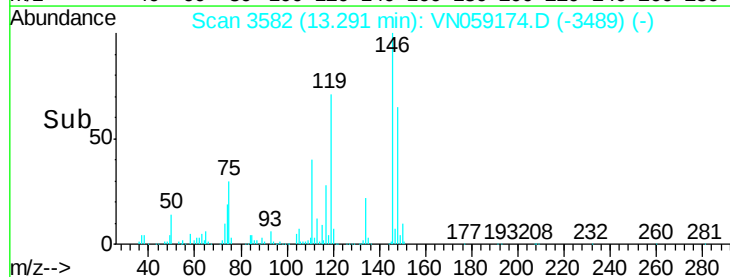
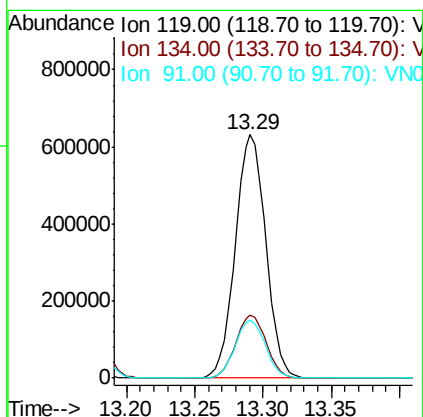
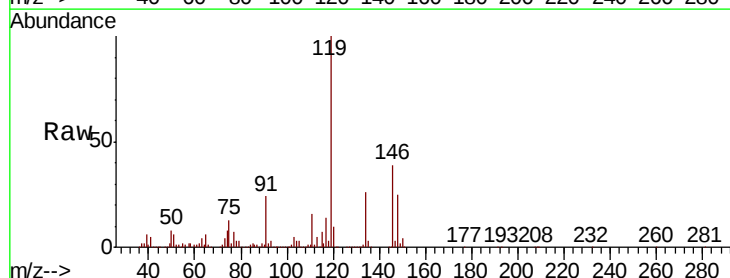
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 1076361
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#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





#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

ClientSampled :

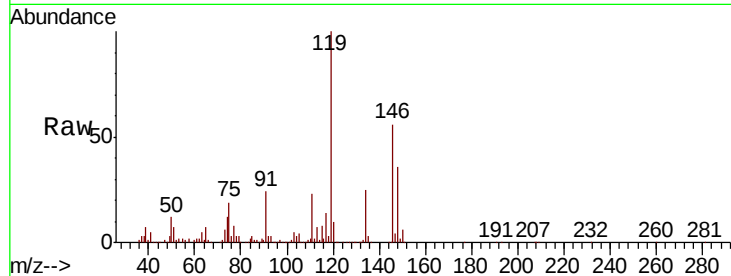
Tot Ion:146 Resp: 476154

Ion Ratio Lower Upper

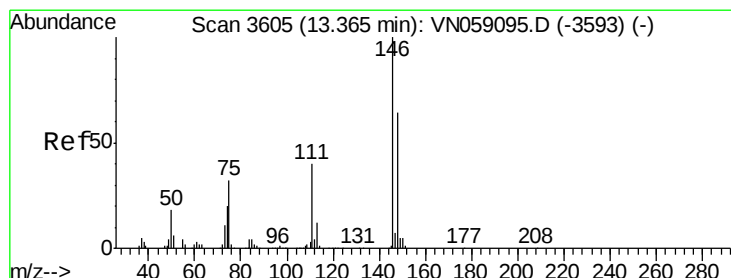
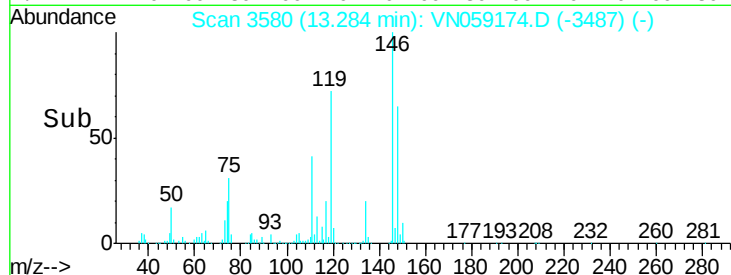
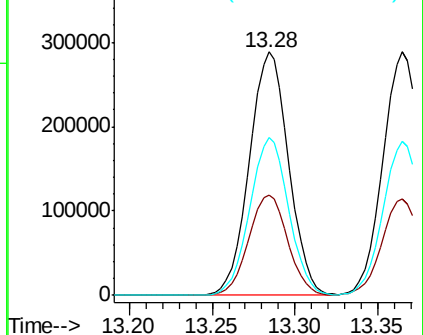
146 100

111 41.1 20.4 61.3

148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 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

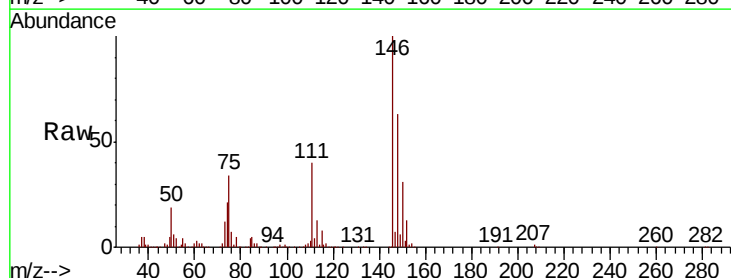
Tgt Ion:146 Resp: 472509

Ion Ratio Lower Upper

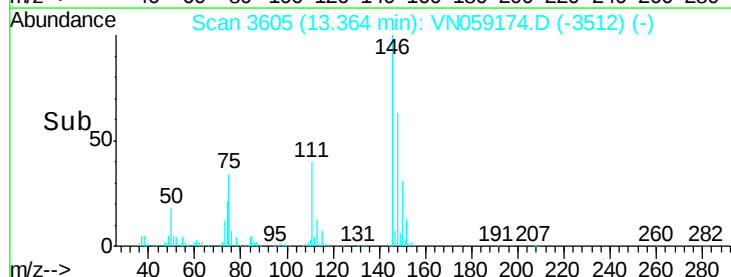
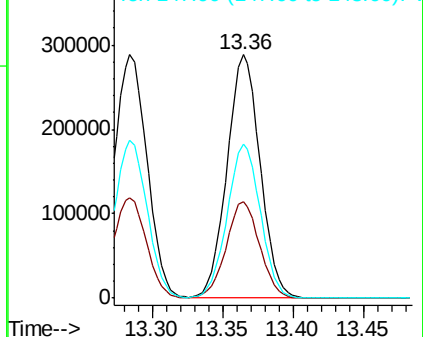
146 100

111 40.0 20.3 60.9

148 63.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

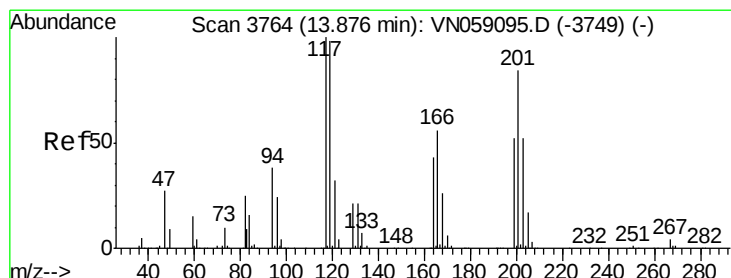
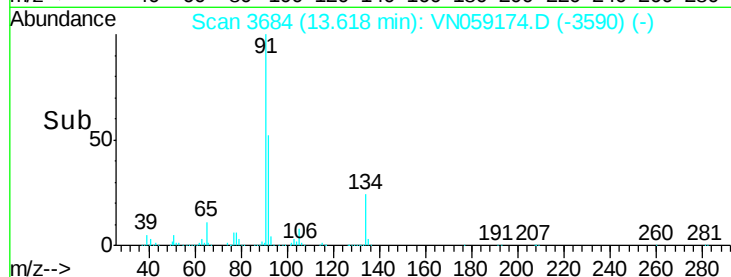
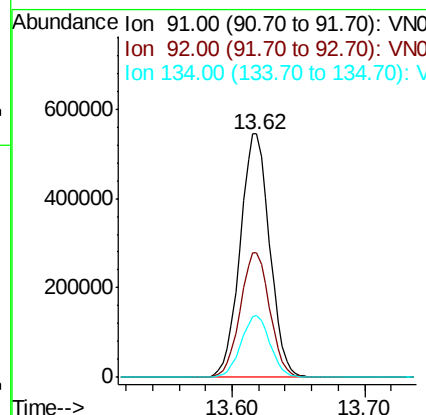
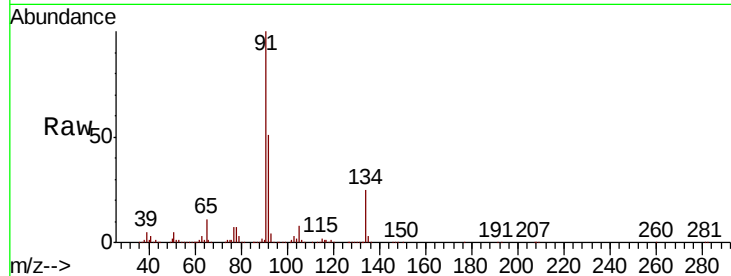




#89
n-Butylbenzene
Concen: 49.514 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

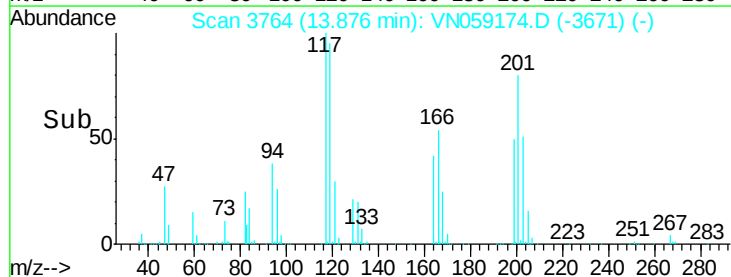
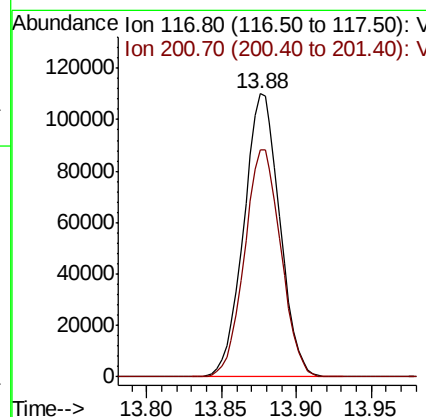
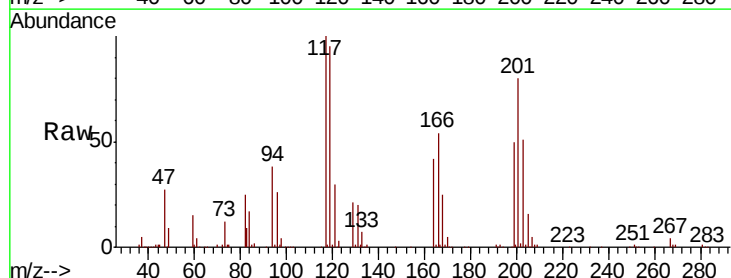
Instrument :
MSVOA_N
ClientSampled :

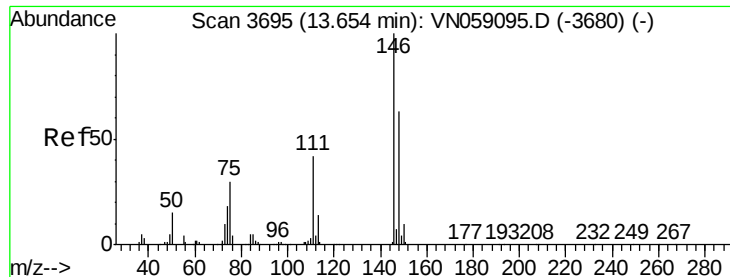
Tot Ion: 91 Resp: 840031
Ion Ratio Lower Upper
91 100
92 51.5 26.1 78.3
134 25.0 12.6 37.8



#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

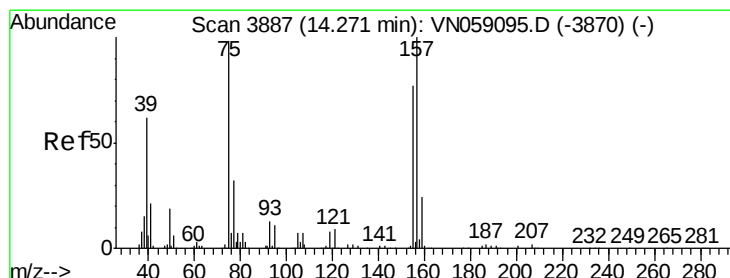
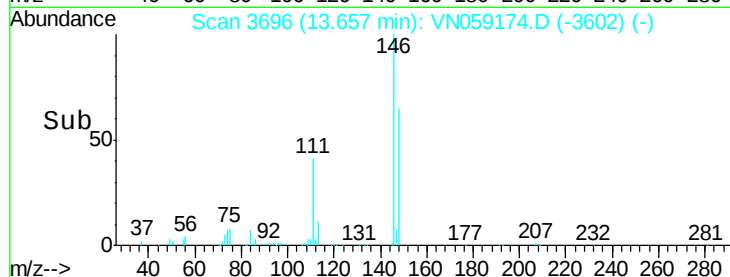
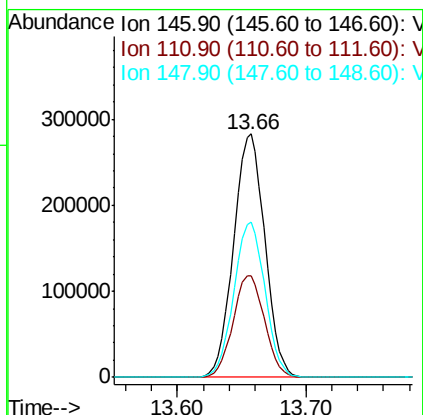
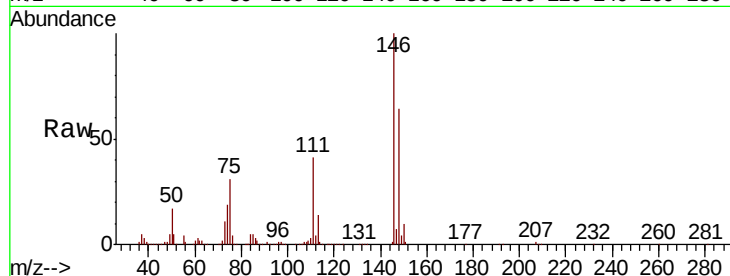




#91
 1,2-Dichlorobenzene
 Concen: 48.903 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

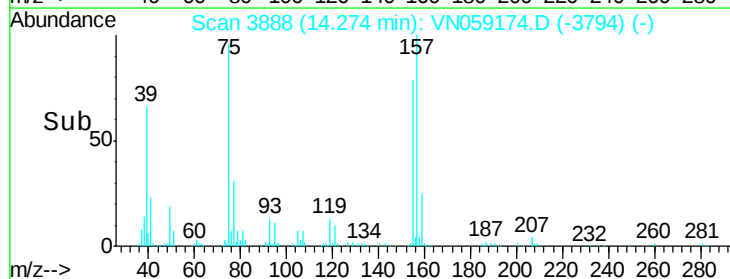
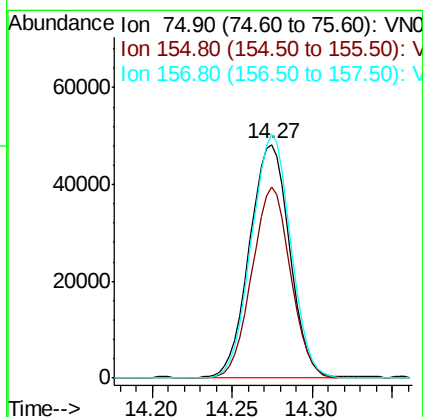
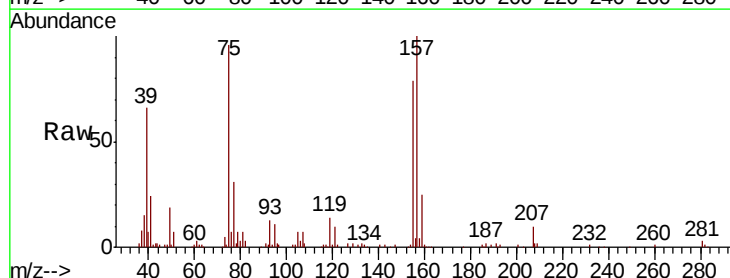
Instrument :
 MSVOA_N
 ClientSampled :

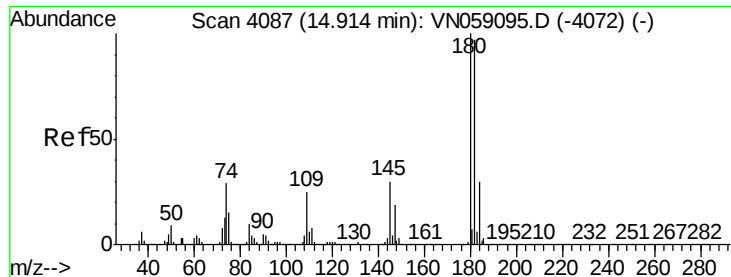
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	63.3	31.6	94.7



#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	Ratio	Lower	Upper
75	100		
155	78.5	40.2	120.6
157	101.7	51.8	155.5

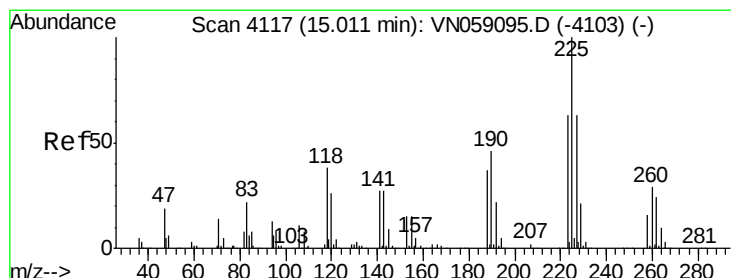
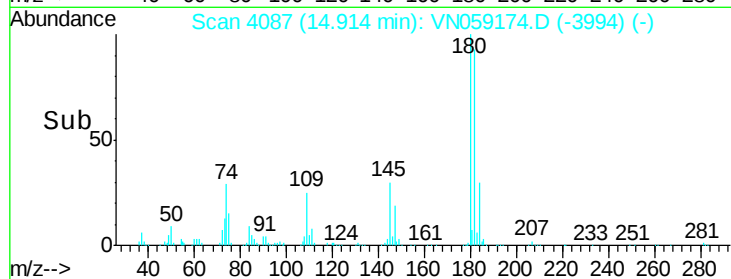
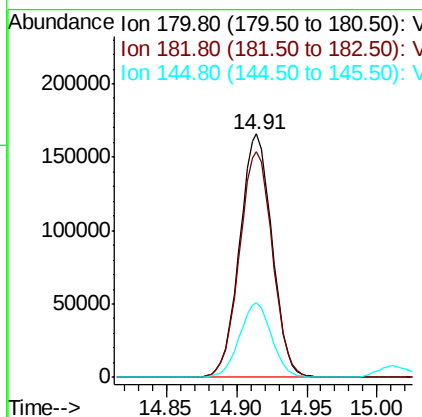
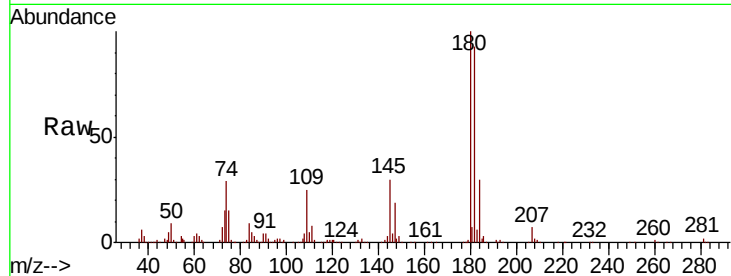




#93
 1,2,4-Trichlorobenzene
 Concen: 45.442 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059174.D
 Acq: 11 Nov 2019 20:04

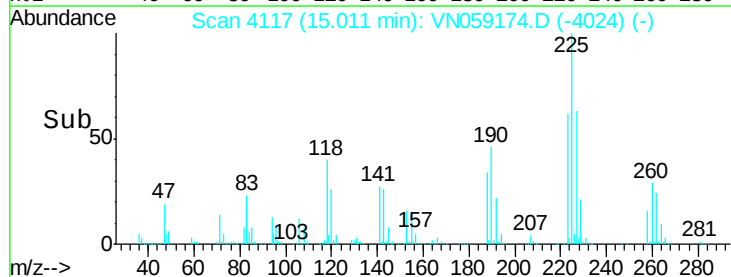
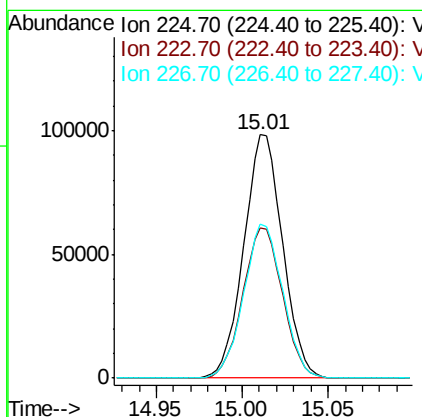
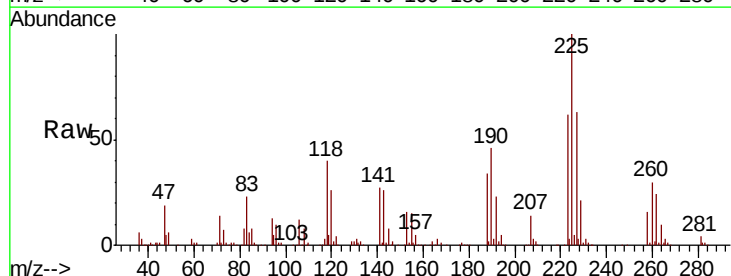
Instrument :
 MSVOA_N
 ClientSampled :

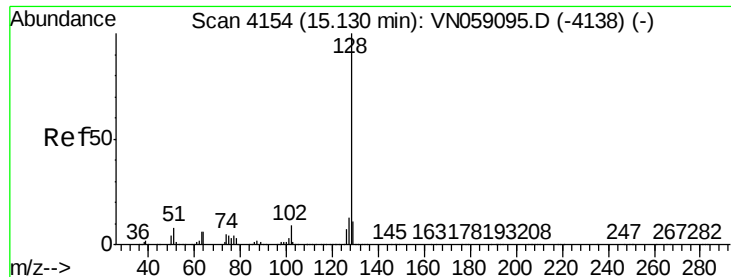
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	30.2	15.1	45.3



#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	Ratio	Lower	Upper
225	100		
223	62.9	31.3	93.9
227	63.6	31.5	94.5

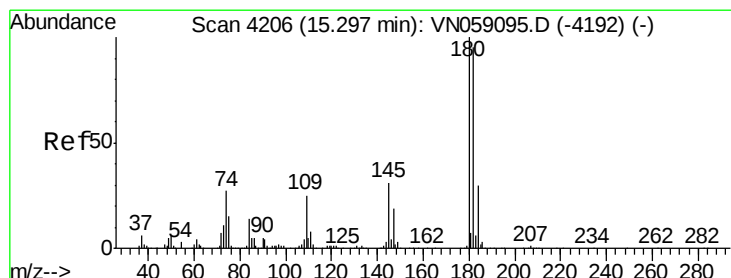
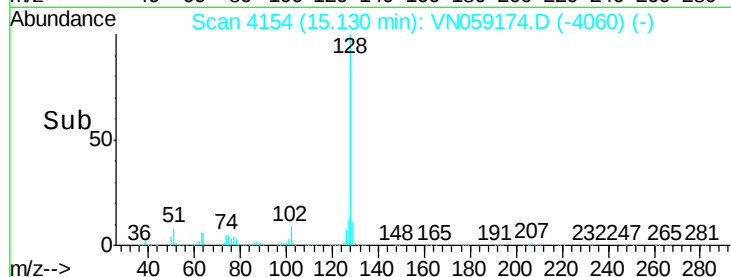
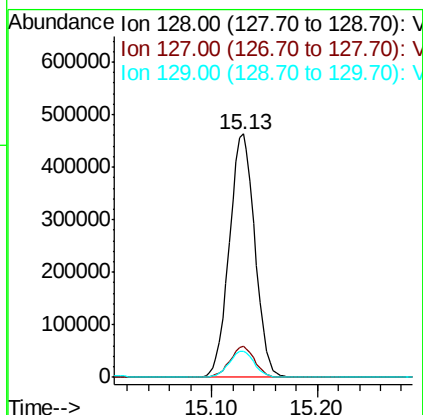
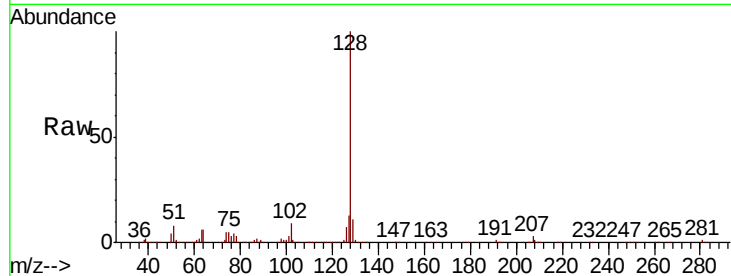




#95
Naphthalene
Concen: 47.170 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059174.D
Acq: 11 Nov 2019 20:04

Instrument :
MSVOA_N
ClientSampled :

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

