

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059160.D
 Acq On : 11 Nov 2019 14:53
 Operator : JC/SP
 Sample : VN1111WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:42:28 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	455179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	732080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	665112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291847	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	289919	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	7.57	113	218481	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.08	98	836576	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.40	95	297774	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	84831	18.497	ug/l	100
3) Chloromethane	2.04	50	113373	18.186	ug/l	100
4) Vinyl Chloride	2.17	62	118266	19.567	ug/l	98
5) Bromomethane	2.54	94	66959	19.251	ug/l	97
6) Chloroethane	2.68	64	70347	19.676	ug/l	98
7) Trichlorofluoromethane	3.00	101	143735	19.882	ug/l	99
8) Diethyl Ether	3.39	74	56147	19.114	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84199	19.317	ug/l	99
10) Methyl Iodide	3.93	142	99237	18.393	ug/l	99
11) Tert butyl alcohol	4.76	59	112809	105.790	ug/l	99
12) 1,1-Dichloroethene	3.71	96	79767	18.786	ug/l	97
13) Acrolein	3.58	56	44405	80.768	ug/l	98
14) Allyl chloride	4.30	41	160445	18.395	ug/l	96
15) Acrylonitrile	4.96	53	263527	99.303	ug/l	98
16) Acetone	3.79	43	257818	88.607	ug/l	98
17) Carbon Disulfide	4.03	76	227458	17.257	ug/l	99
18) Methyl Acetate	4.30	43	143732	20.811	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	294028	20.113	ug/l	99
20) Methylene Chloride	4.53	84	98632	19.457	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	87147	19.121	ug/l	97
22) Diisopropyl ether	5.93	45	326959	19.846	ug/l	96
23) Vinyl Acetate	5.87	43	1344089	105.269	ug/l	98
24) 1,1-Dichloroethane	5.82	63	179988	19.561	ug/l	99
25) 2-Butanone	6.81	43	377702	98.494	ug/l	99
26) 2,2-Dichloropropane	6.80	77	148552	18.463	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	103598	19.592	ug/l	100
28) Bromochloromethane	7.17	49	57866	20.903	ug/l	99
29) Tetrahydrofuran	7.19	42	251178	103.085	ug/l	98
30) Chloroform	7.35	83	179336	20.317	ug/l	99
31) Cyclohexane	7.63	56	161183	18.504	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	152662	20.571	ug/l	99
36) 1,1-Dichloropropene	7.77	75	129989	18.996	ug/l	99
37) Ethyl Acetate	6.91	43	155616	20.442	ug/l	99
38) Carbon Tetrachloride	7.75	117	132459	19.448	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	148500	18.699	ug/l	98
40) Benzene	8.02	78	395400	19.188	ug/l	99
41) Methacrylonitrile	7.19	41	225470	68.113	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	144103	20.390	ug/l	98
43) Isopropyl Acetate	8.15	43	238489	19.651	ug/l #	92
44) Trichloroethene	8.82	130	96305	19.013	ug/l	98
45) 1,2-Dichloropropane	9.10	63	107742	19.250	ug/l	98
46) Dibromomethane	9.19	93	67682	19.406	ug/l	99
47) Bromodichloromethane	9.39	83	138196	19.843	ug/l	97
48) Methyl methacrylate	9.18	41	105253	19.389	ug/l	97
49) 1,4-Dioxane	9.18	88	39116	405.466	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	769947	112.124	ug/l	98
52) Toluene	10.15	92	241008	19.514	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	152720	18.980	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	165569	19.130	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	96753	19.357	ug/l	97
56) Ethyl methacrylate	10.42	69	147272	18.877	ug/l	98
57) 1,3-Dichloropropane	10.70	76	170320	19.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	265707	95.518	ug/l	99
59) 2-Hexanone	10.74	43	560632	106.368	ug/l	98
60) Dibromochloromethane	10.90	129	103757	19.633	ug/l	99
61) 1,2-Dibromoethane	11.00	107	100227	19.808	ug/l	99
64) Tetrachloroethene	10.63	164	83955	18.563	ug/l	98
65) Chlorobenzene	11.43	112	255201	19.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	95672	19.671	ug/l	97
67) Ethyl Benzene	11.51	91	454272	19.748	ug/l	99
68) m/p-Xylenes	11.62	106	331694	38.493	ug/l	98
69) o-Xylene	11.95	106	161781	19.427	ug/l	98
70) Styrene	11.96	104	256084	19.553	ug/l	100
71) Bromoform	12.13	173	73705	19.482	ug/l #	99
73) Isopropylbenzene	12.25	105	436282	20.551	ug/l	100
74) N-amyl acetate	12.07	43	183616	20.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	151269	20.924	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	199345	30.002	ug/l #	100
77) Bromobenzene	12.53	156	105117	19.708	ug/l	99
78) n-propylbenzene	12.59	91	496633	20.432	ug/l	100
79) 2-Chlorotoluene	12.67	91	302509	20.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	360149	20.021	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48994	19.476	ug/l	97
82) 4-Chlorotoluene	12.77	91	302787	20.020	ug/l	100
83) tert-Butylbenzene	12.99	119	310807	20.008	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	355682	20.437	ug/l	97
85) sec-Butylbenzene	13.17	105	403198	19.957	ug/l	99
86) p-Isopropyltoluene	13.29	119	354578	19.877	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	178326	19.525	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	174211	19.064	ug/l	99
89) n-Butylbenzene	13.62	91	280991	17.997	ug/l	99
90) Hexachloroethane	13.88	117	70544	19.694	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	181588	20.211	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31255	21.684	ug/l	95

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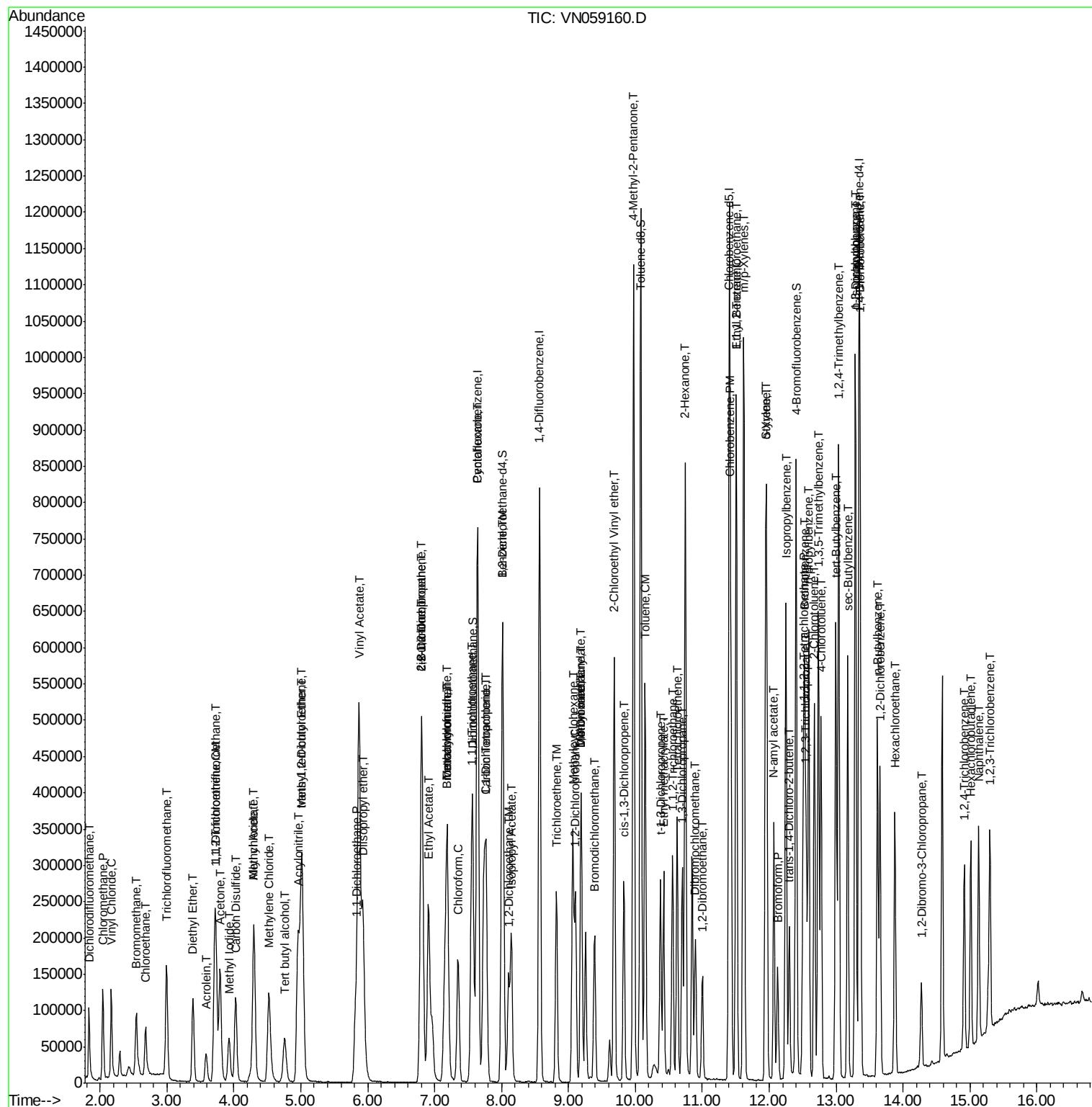
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81765	17.132	ug/l	99
94) Hexachlorobutadiene	15.01	225	53058	17.127	ug/l	98
95) Naphthalene	15.13	128	236751	17.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	85362	16.953	ug/l	99

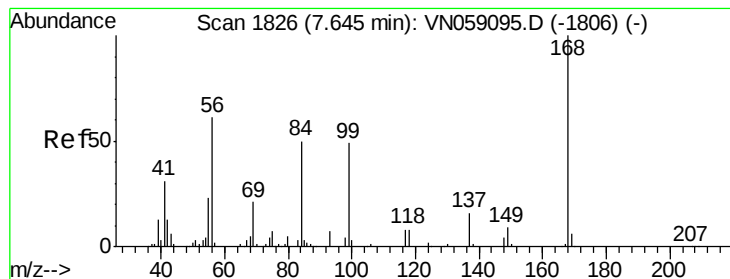
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

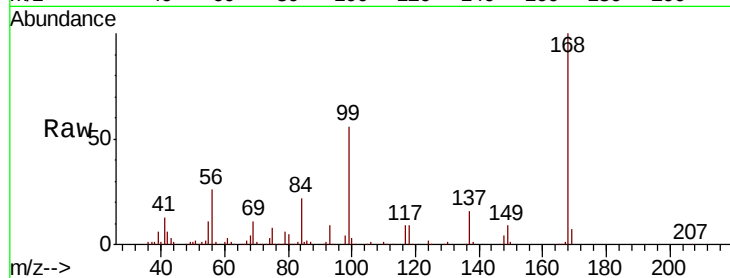
ClientSampleId :

Tot Ion:168 Resp: 455179

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

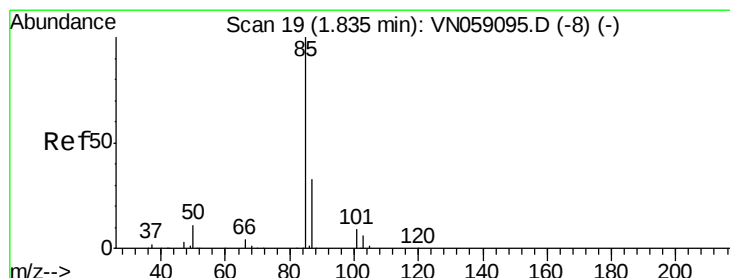
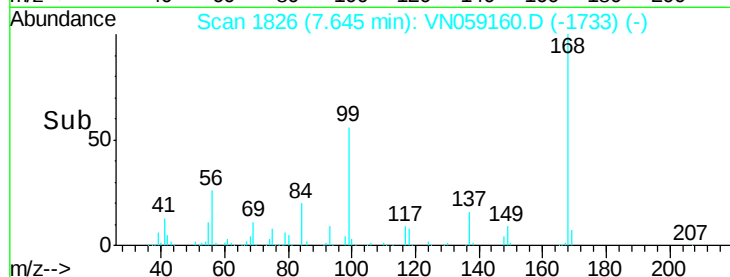
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.497 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059160.D

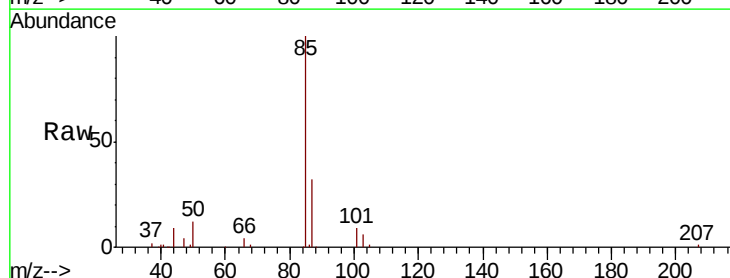
Acq: 11 Nov 2019 14:53

Tgt Ion: 85 Resp: 84831

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

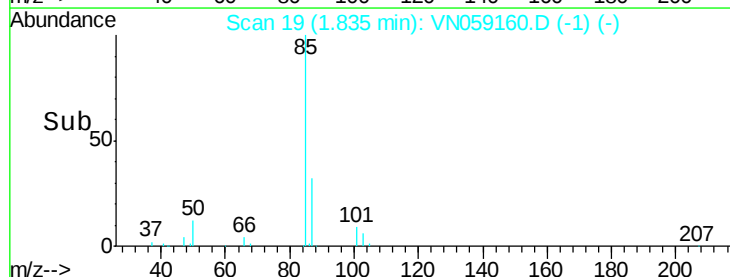
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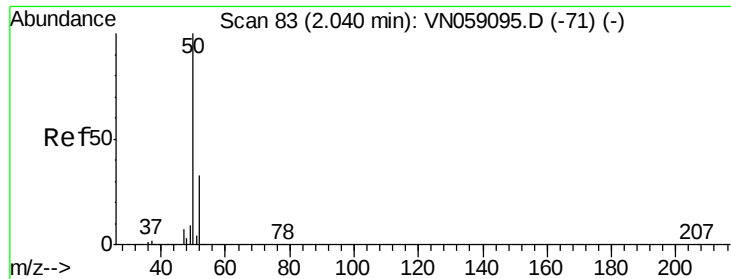
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.186 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

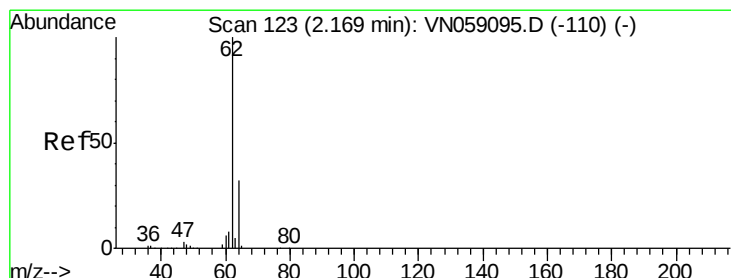
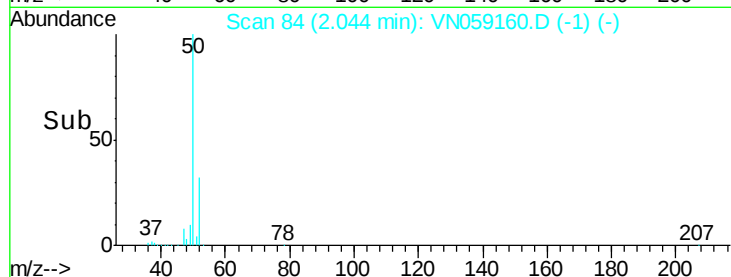
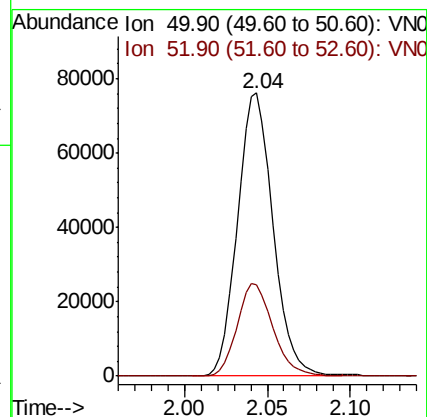
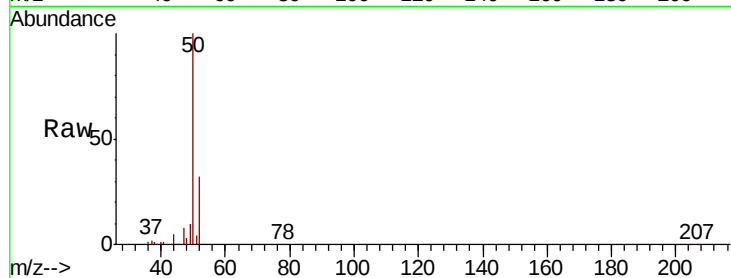
ClientSampleId :

Tot Ion: 50 Resp: 113373

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 19.567 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059160.D

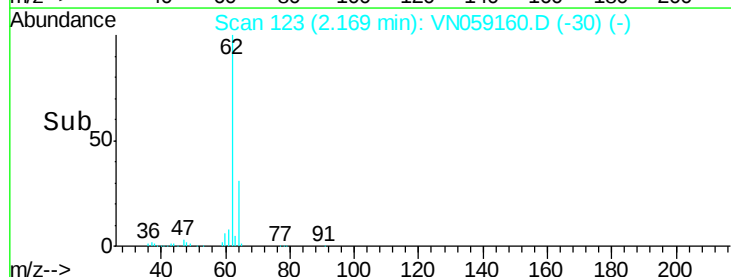
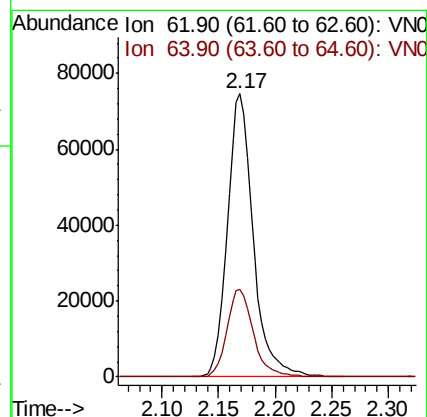
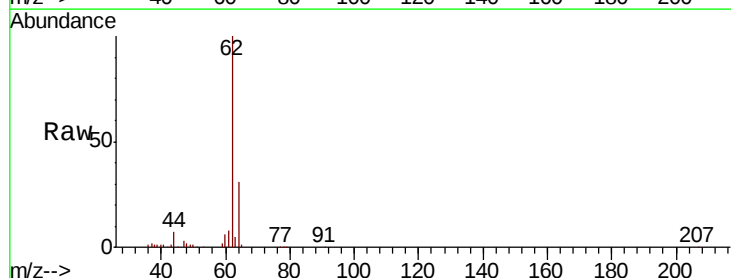
Acq: 11 Nov 2019 14:53

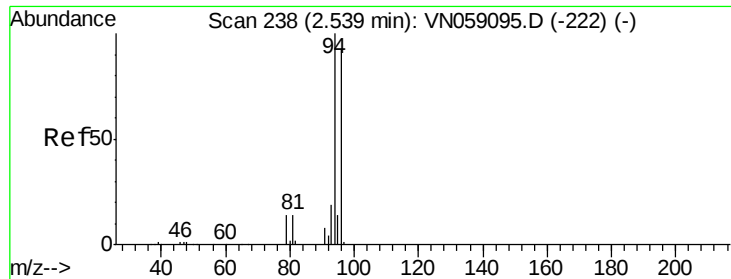
Tgt Ion: 62 Resp: 118266

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.2

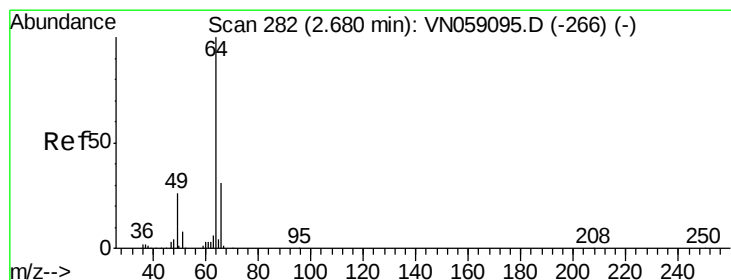
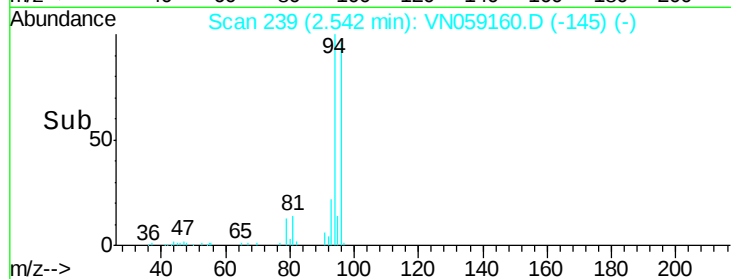
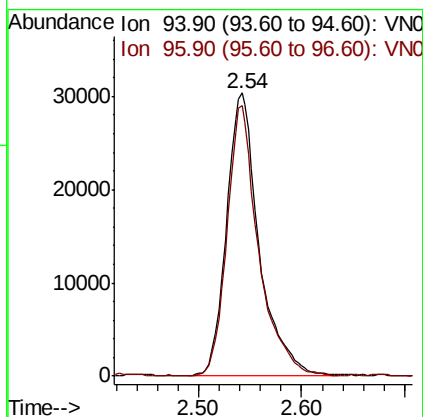
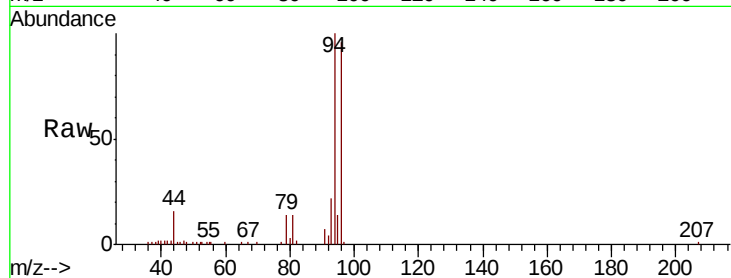




#5
Bromomethane
Concen: 19.251 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN059160.D
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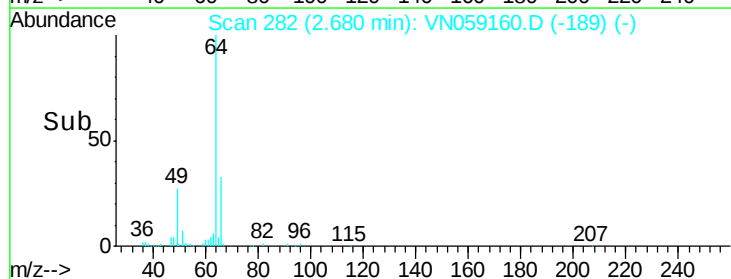
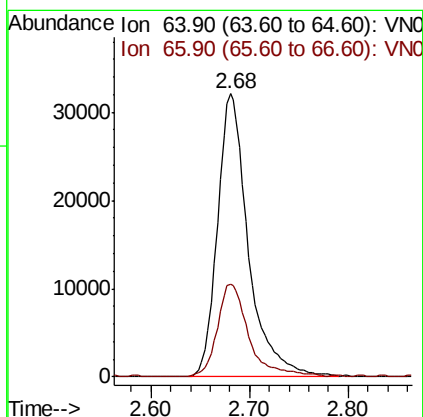
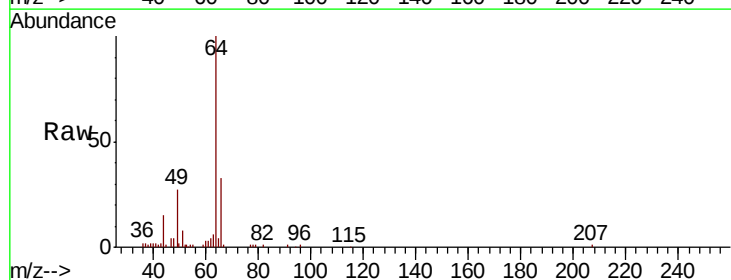
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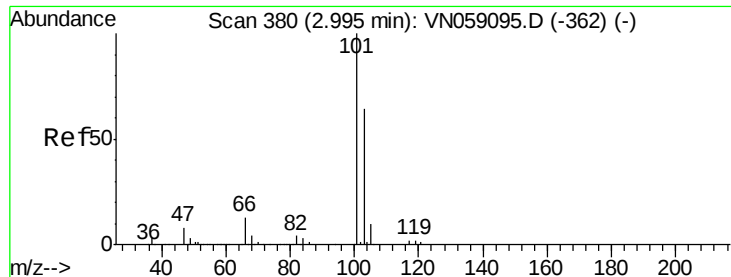
Tot Ion: 94 Resp: 66959
Ion Ratio Lower Upper
94 100
96 95.7 74.2 111.2



#6
Chloroethane
Concen: 19.676 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 64 Resp: 70347
Ion Ratio Lower Upper
64 100
66 32.9 25.2 37.8



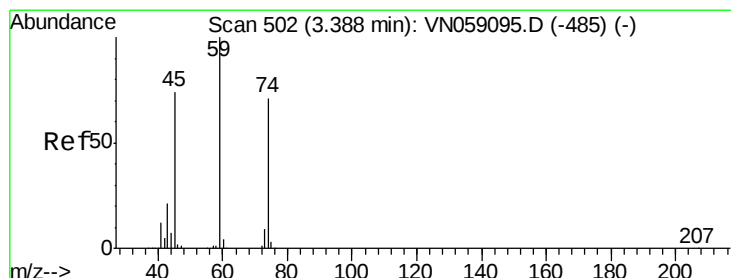
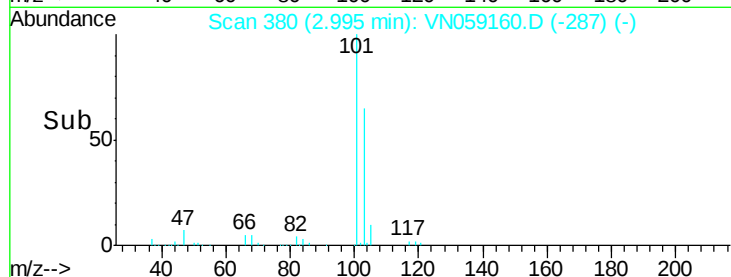
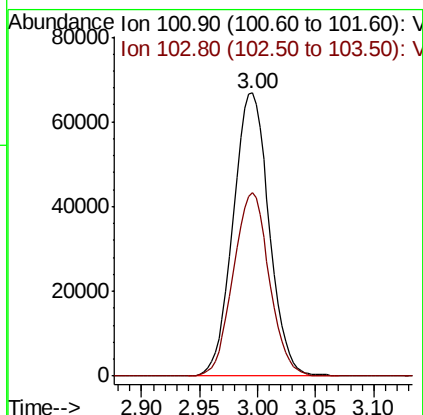
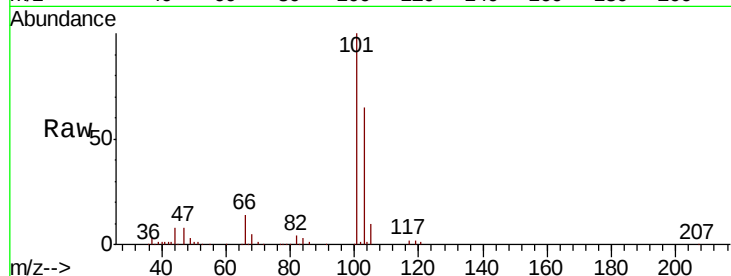


#7

Trichlorofluoromethane
 Concen: 19.882 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Instrument :
 MSVOA_N
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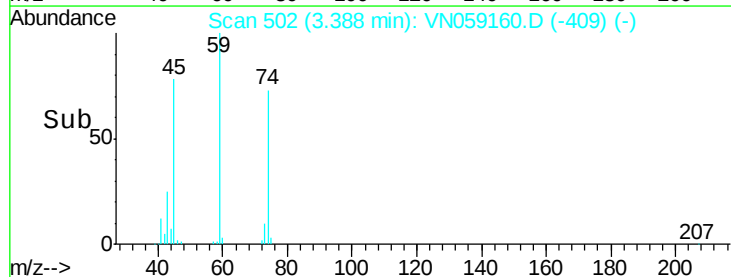
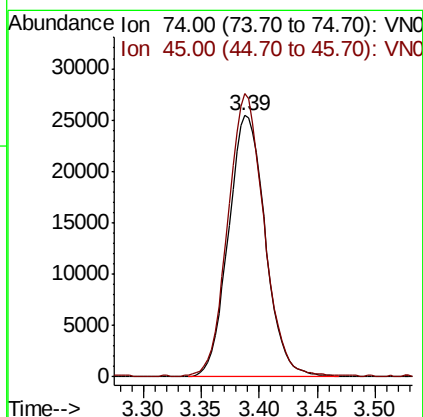
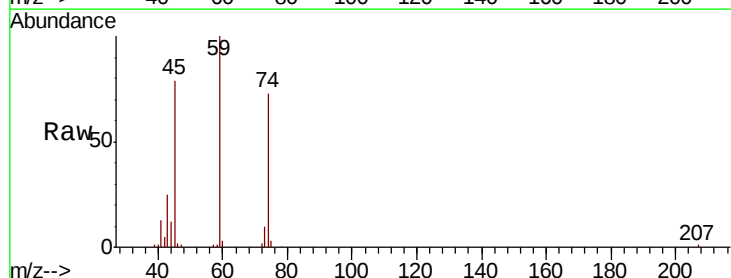
Tot Ion:101 Resp: 143735
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8

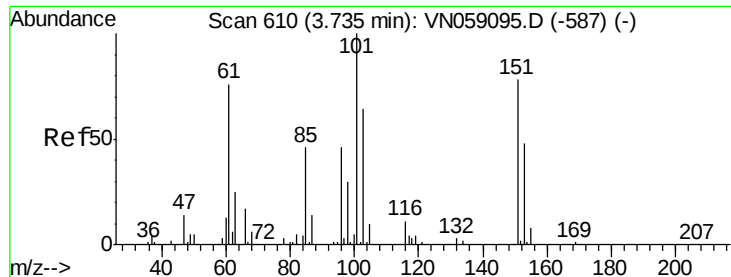


#8

Diethyl Ether
 Concen: 19.114 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 74 Resp: 56147
 Ion Ratio Lower Upper
 74 100
 45 106.2 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.317 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

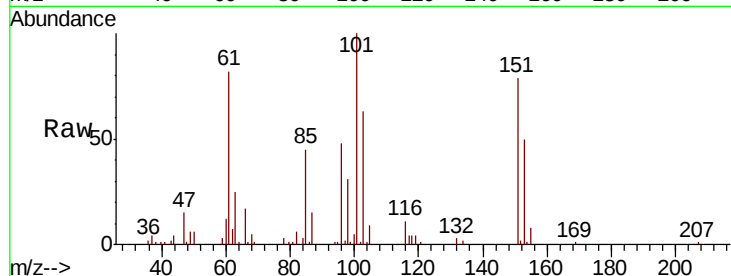
Tot Ion:101 Resp: 84199

Ion Ratio Lower Upper

101 100

85 44.5 35.5 53.3

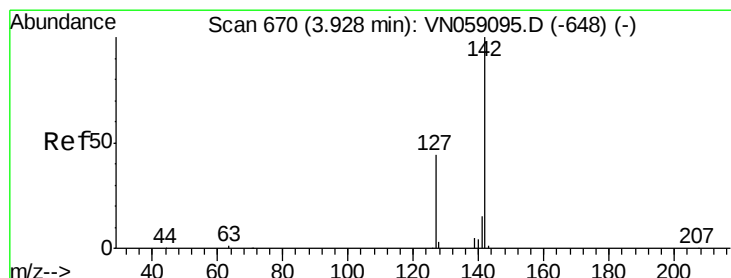
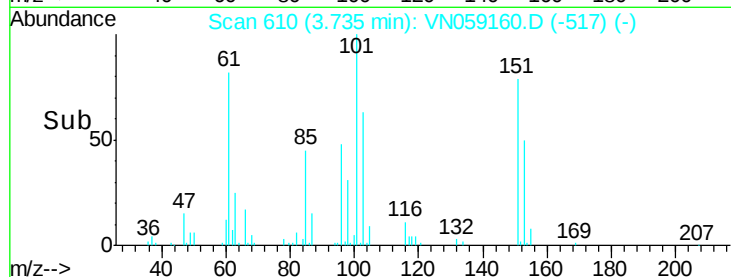
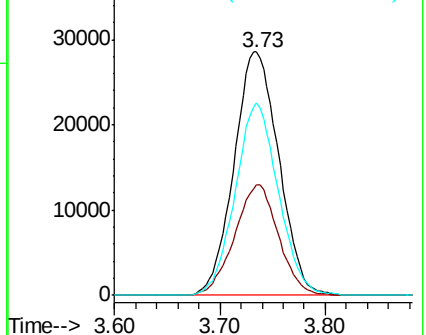
151 76.1 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.393 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

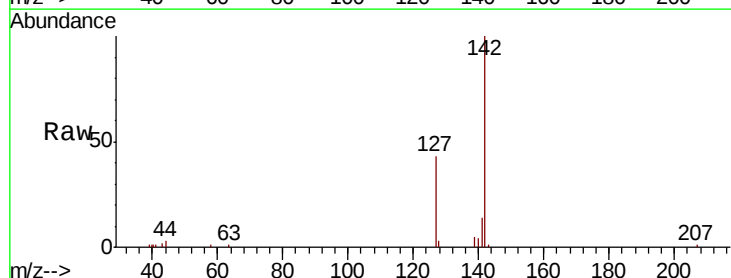
Tgt Ion:142 Resp: 99237

Ion Ratio Lower Upper

142 100

127 43.7 34.2 51.2

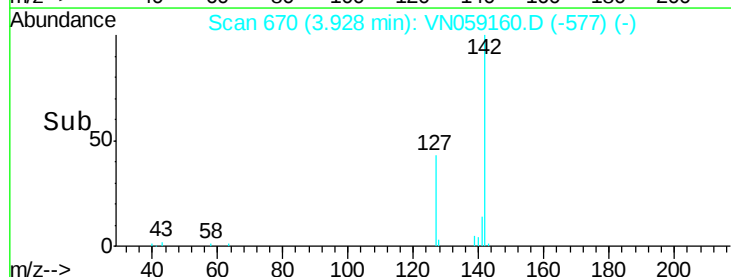
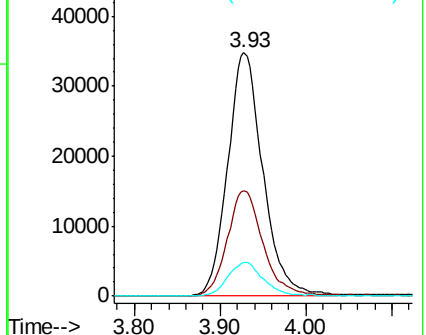
141 13.9 11.4 17.0

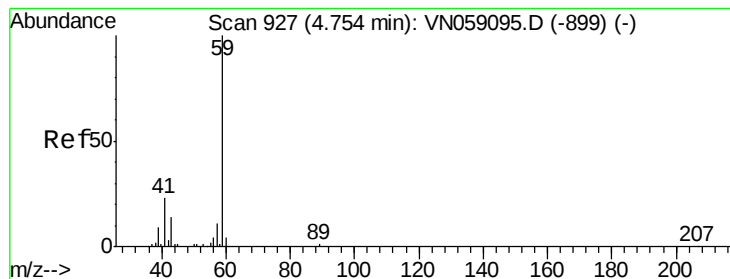


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



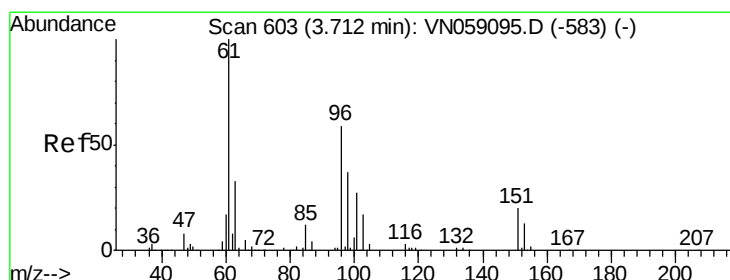
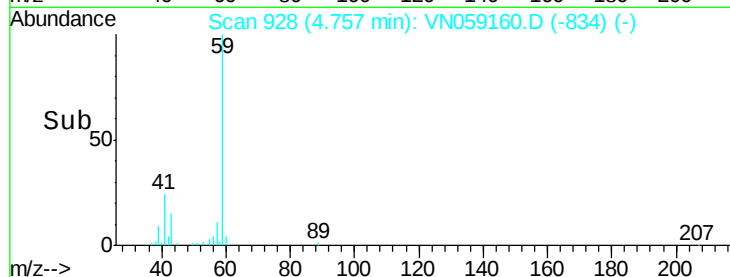
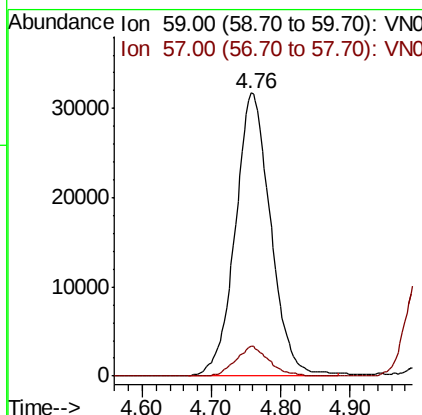
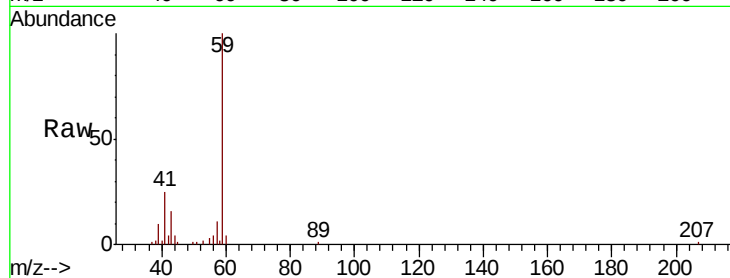


#11

Tert butyl alcohol
 Concen: 105.790 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :

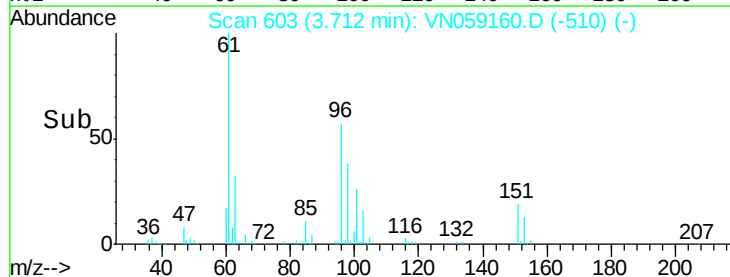
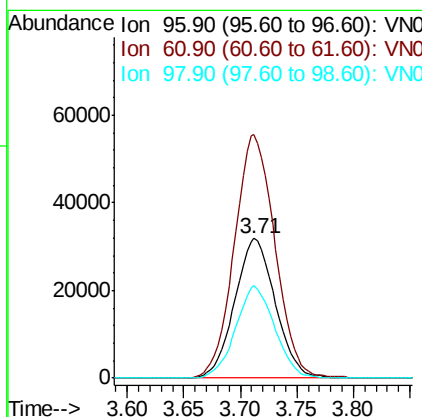
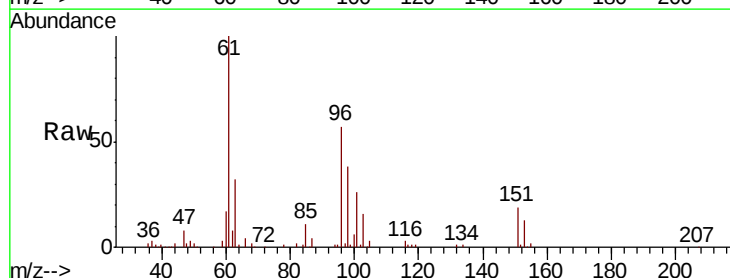
Tot Ion: 59 Resp: 112809
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5

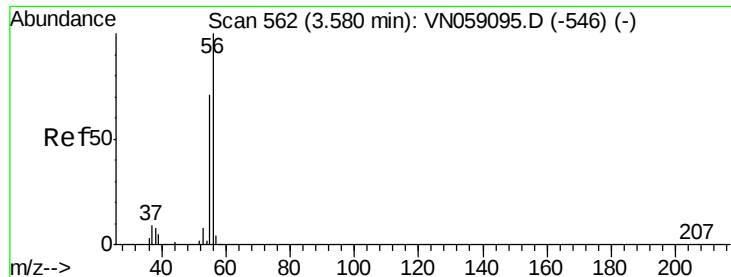


#12

1,1-Dichloroethene
 Concen: 18.786 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 96 Resp: 79767
 Ion Ratio Lower Upper
 96 100
 61 174.2 136.5 204.7
 98 65.8 50.2 75.4





#13

Acrolein

Concen: 80.768 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

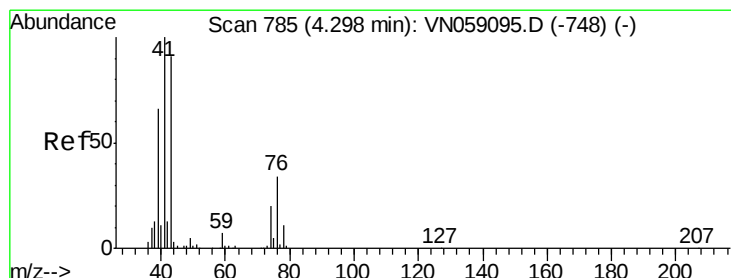
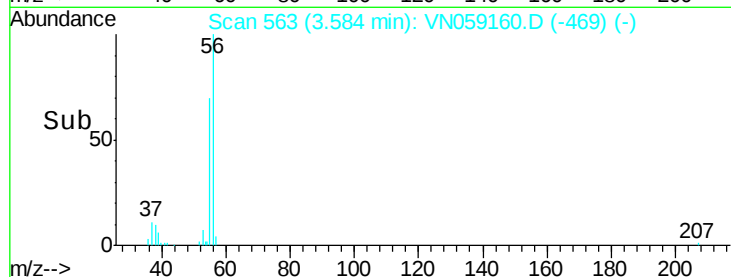
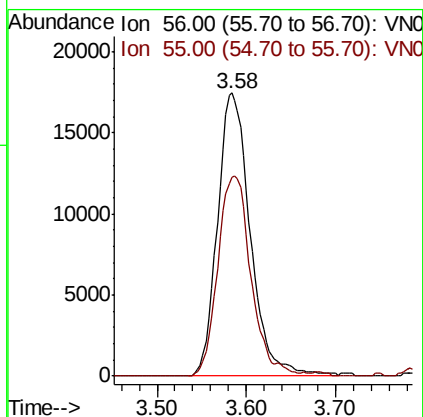
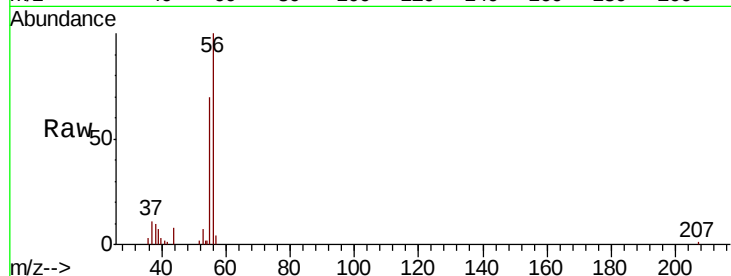
ClientSampleId :

Tot Ion: 56 Resp: 44405

Ion Ratio Lower Upper

56 100

55 71.8 56.4 84.6



#14

Allyl chloride

Concen: 18.395 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

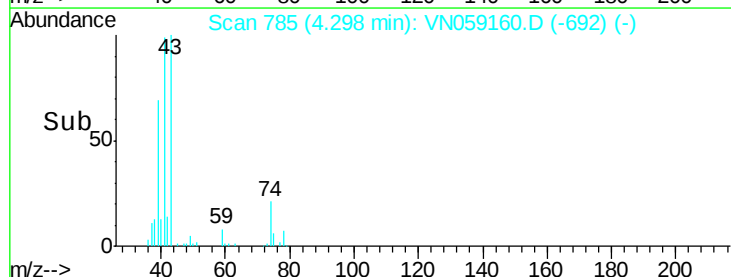
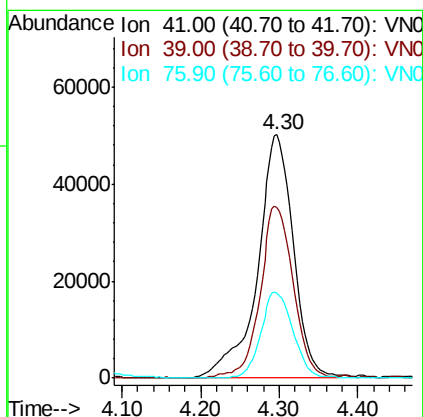
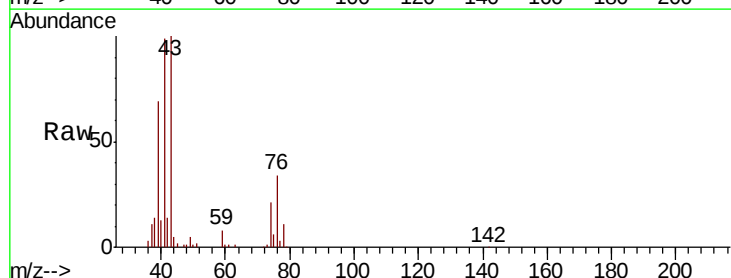
Tgt Ion: 41 Resp: 160445

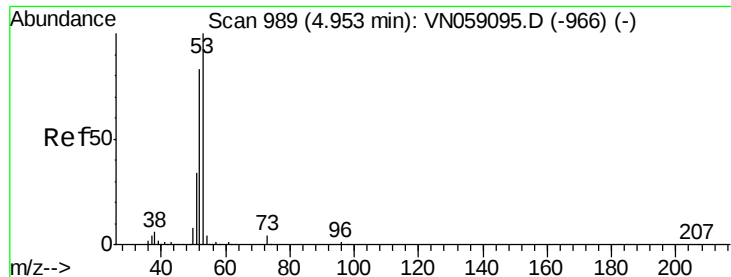
Ion Ratio Lower Upper

41 100

39 65.4 49.1 73.7

76 31.8 24.9 37.3





#15

Acrylonitrile

Concen: 99.303 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

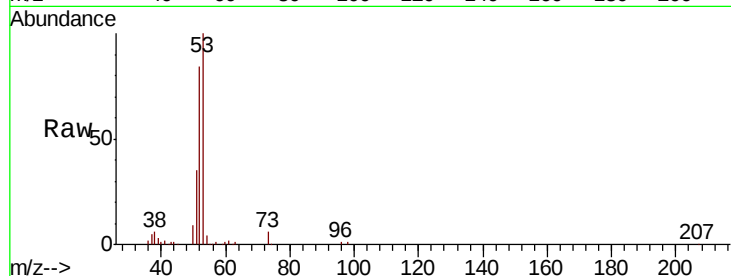
Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 263527

Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.0	97.6
51	36.5	28.0	42.0

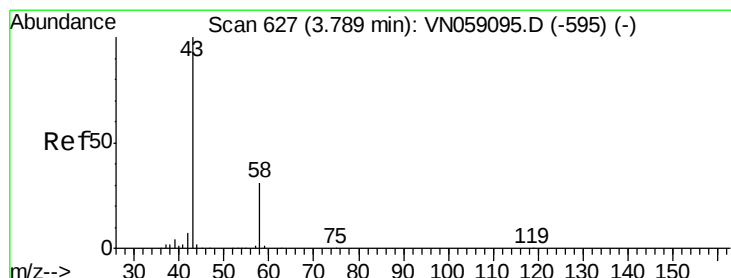
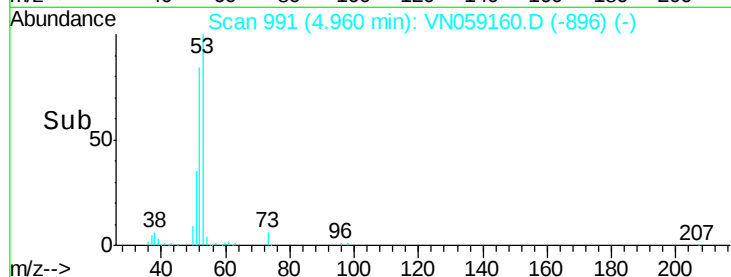
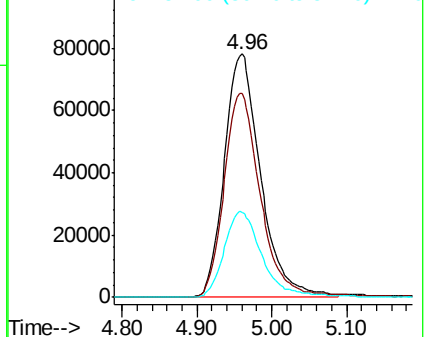


Abundance

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: 88.607 ug/l

RT: 3.79 min Scan# 628

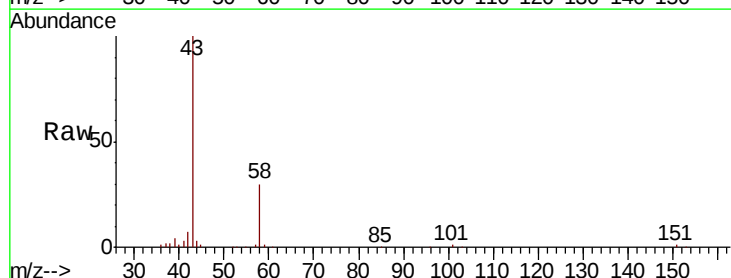
Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Tgt Ion: 43 Resp: 257818

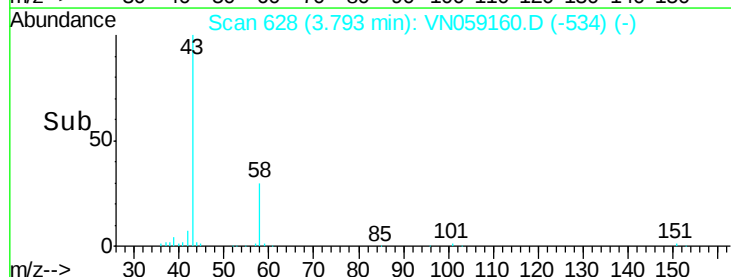
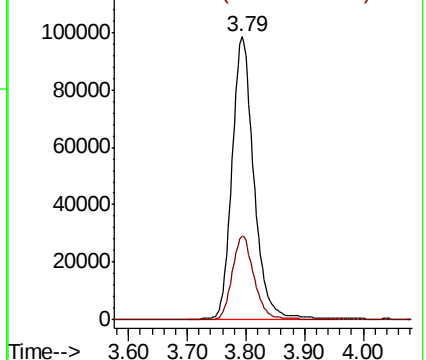
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.9	37.3

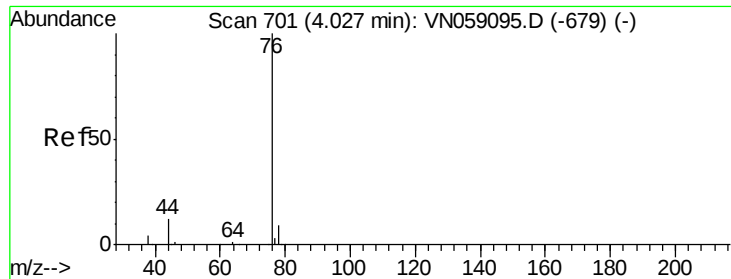


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

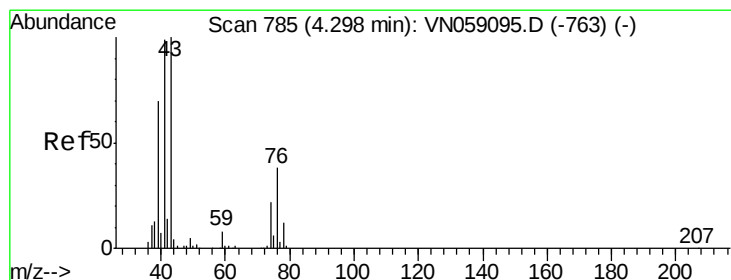
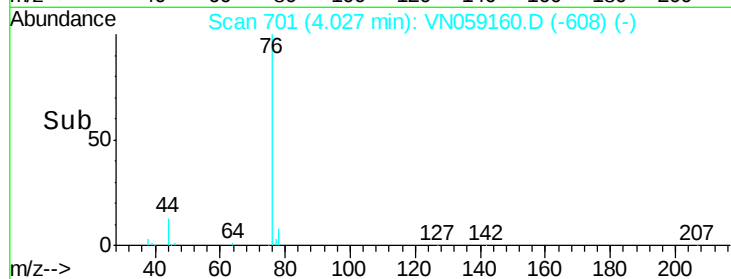
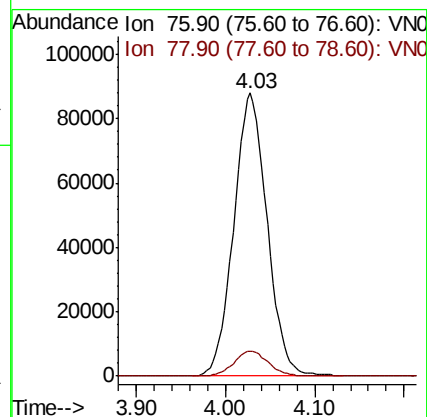
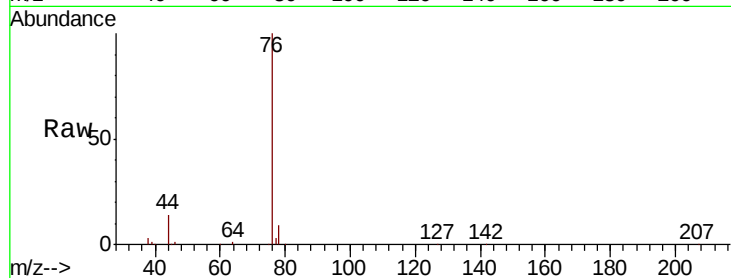




#17
Carbon Disulfide
Concen: 17.257 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

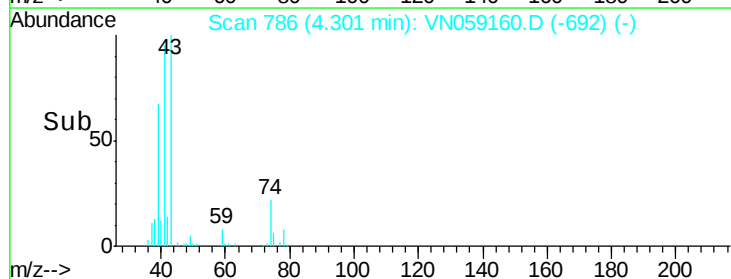
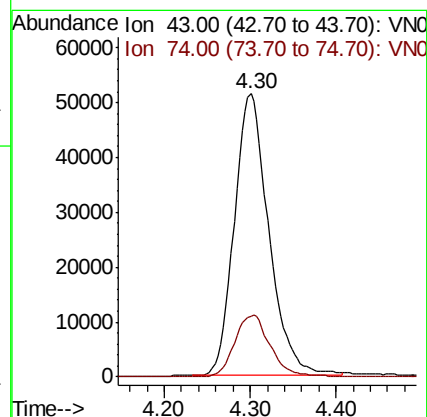
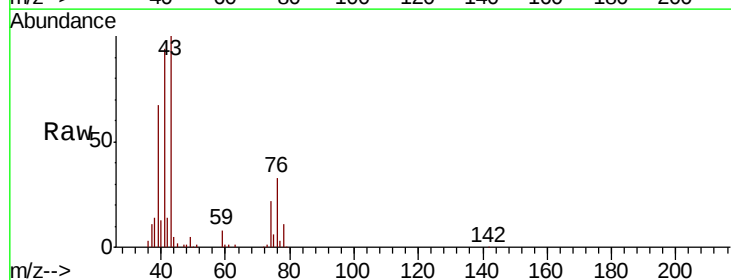
Instrument :
MSVOA_N
ClientSampled :

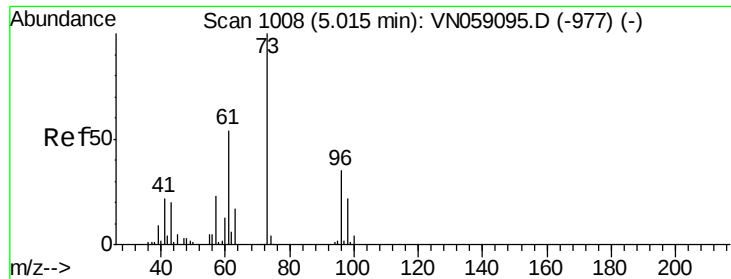
Tot Ion: 76 Resp: 227458
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 20.811 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 43 Resp: 143732
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8

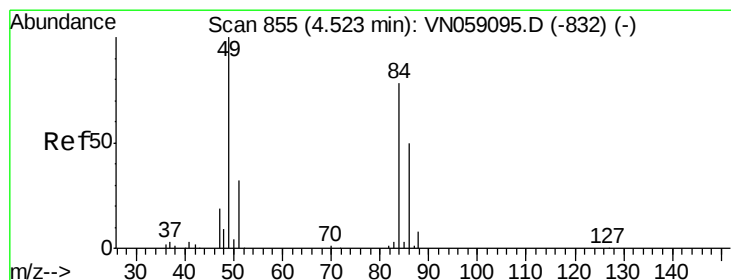
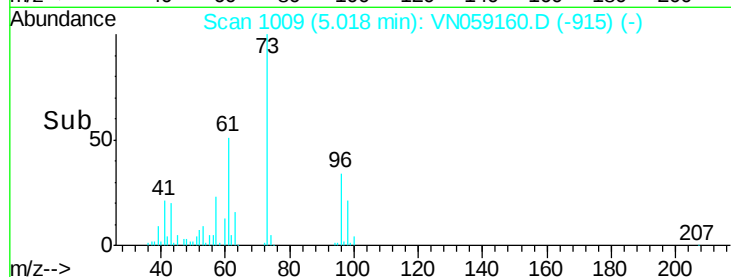
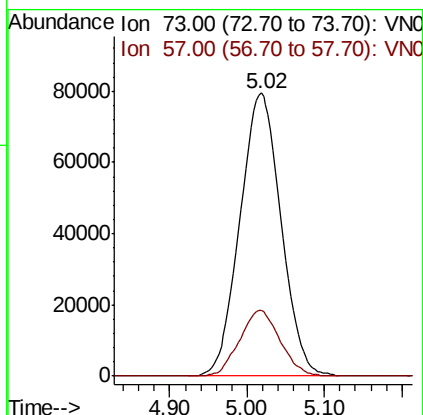
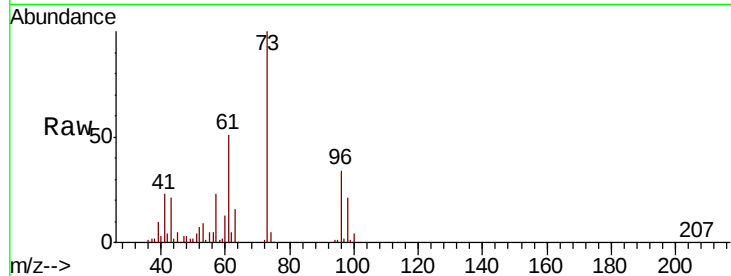




#19
Methvl tert-butvl Ether
Concen: 20.113 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

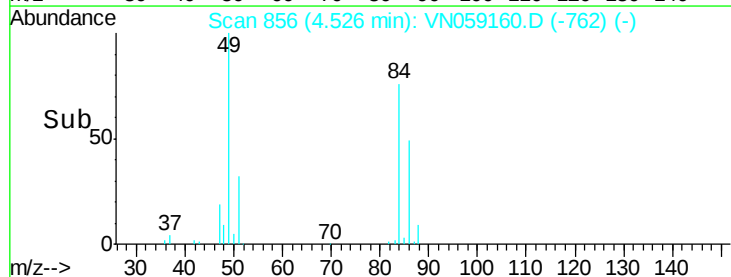
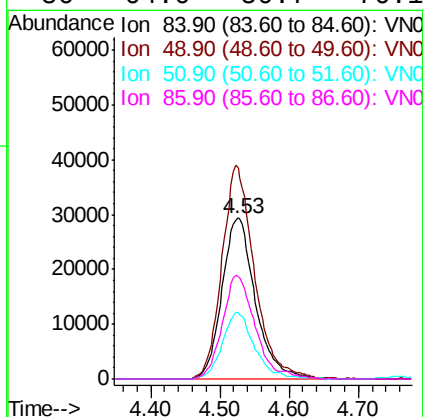
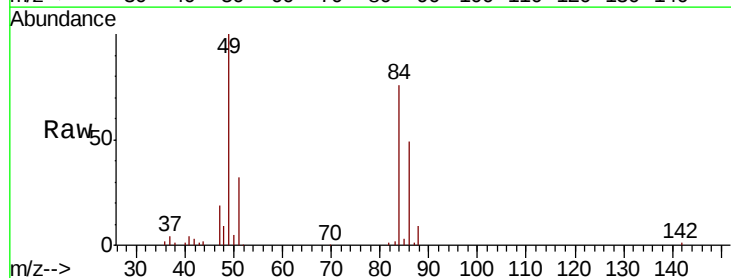
Instrument :
MSVOA_N
ClientSampled :

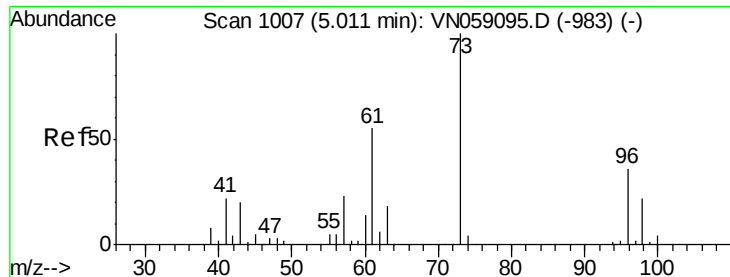
Tot Ion: 73 Resp: 294028
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6



#20
Methylene Chloride
Concen: 19.457 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 84 Resp: 98632
Ion Ratio Lower Upper
84 100
49 131.1 102.0 153.0
51 41.5 32.2 48.2
86 64.0 50.7 76.1



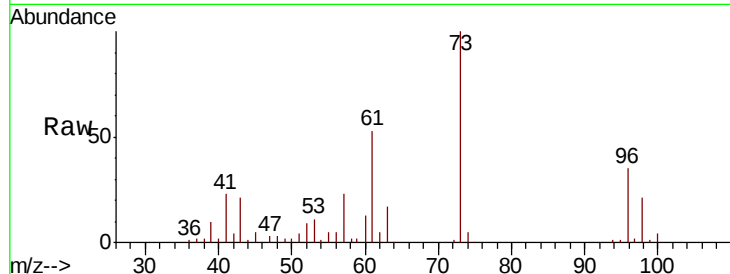


#21

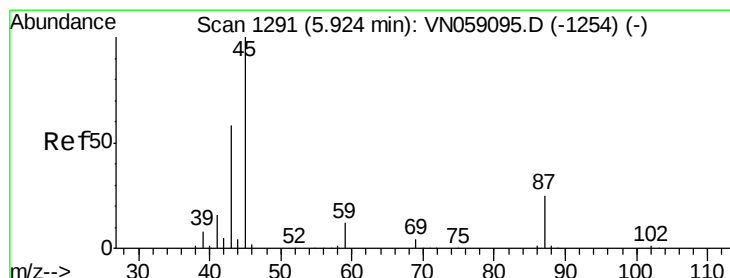
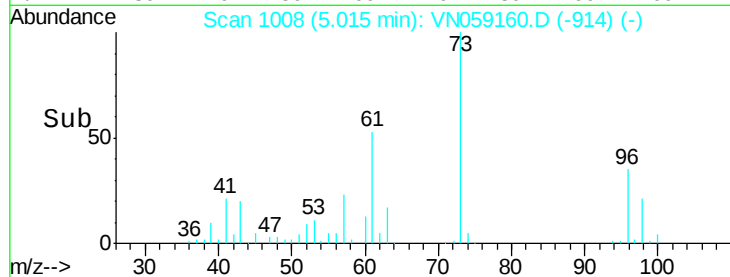
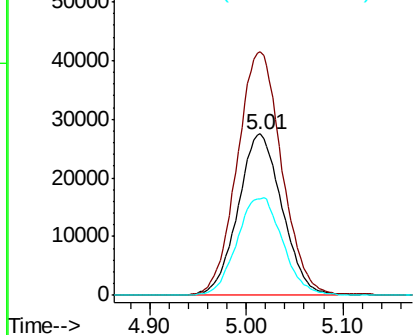
trans-1,2-Dichloroethene
Concen: 19.121 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 87147
Ion Ratio Lower Upper
96 100
61 150.4 122.6 183.8
98 60.2 50.3 75.5



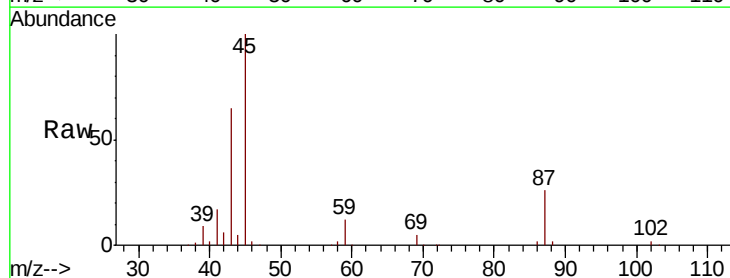
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



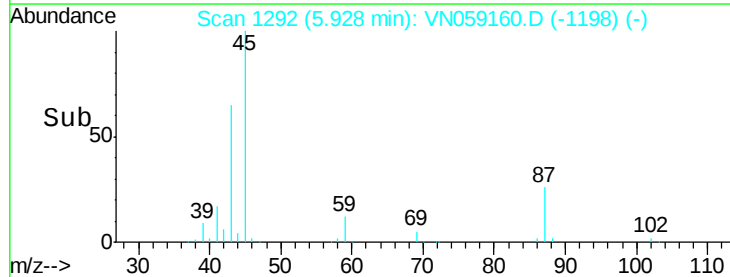
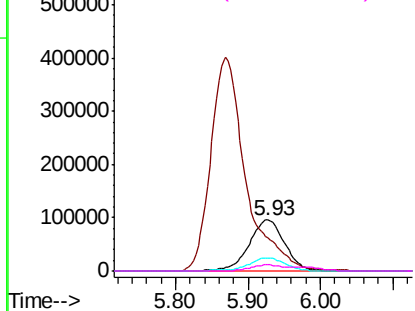
#22

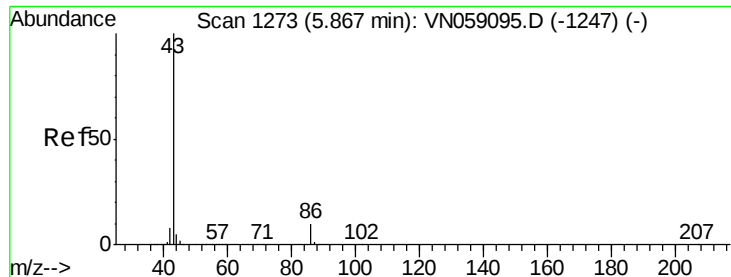
Diisopropyl ether
Concen: 19.846 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 45 Resp: 326959
Ion Ratio Lower Upper
45 100
43 63.6 46.7 70.1
87 25.9 20.5 30.7
59 11.7 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 105.269 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

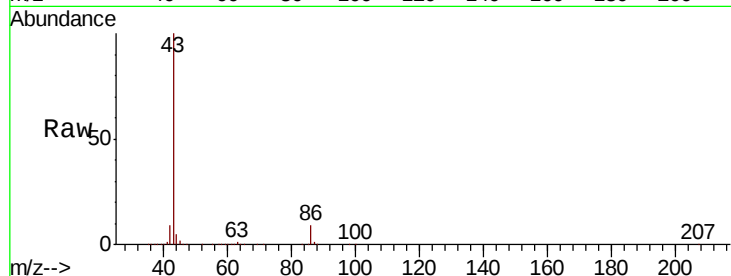
ClientSampled :

Tot Ion: 43 Resp: 1344089

Ion Ratio Lower Upper

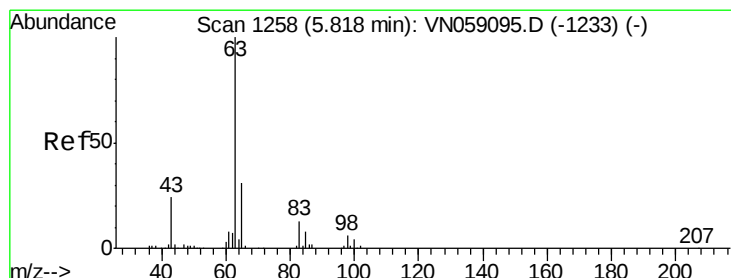
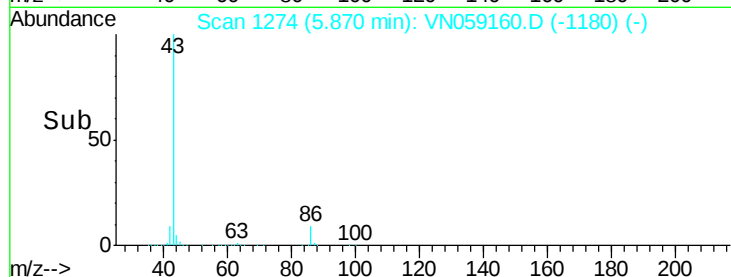
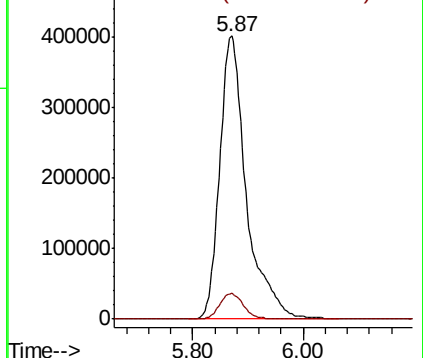
43 100

86 9.0 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.561 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

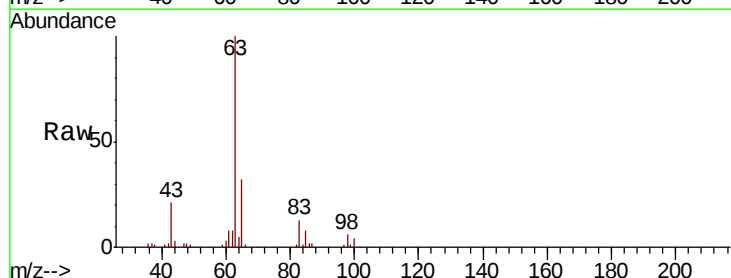
Tgt Ion: 63 Resp: 179988

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

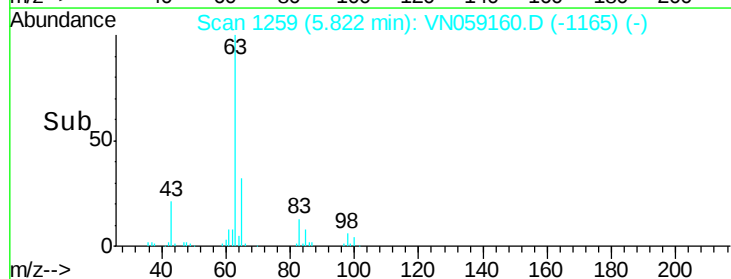
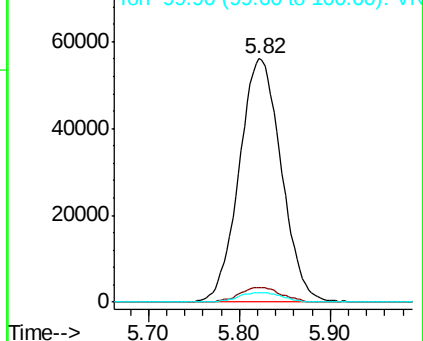
100 3.9 1.9 5.7

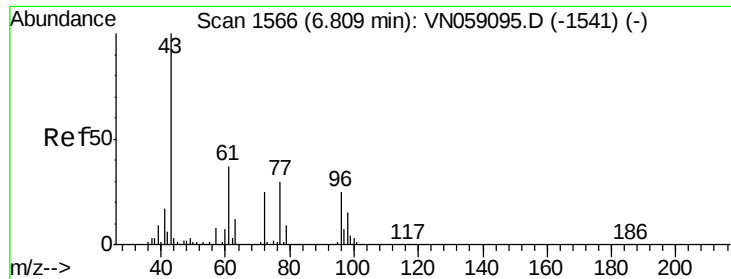


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 98.494 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

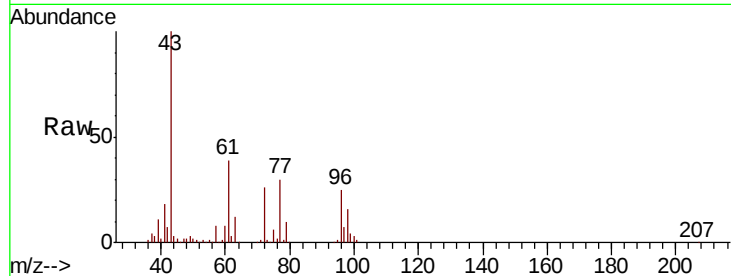
ClientSampled :

Tot Ion: 43 Resp: 377702

Ion Ratio Lower Upper

43 100

72 25.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059160.D (-1473) (-)

Ion 72.00 (71.70 to 72.70): VN059160.D (-1473) (-)

6.81

150000

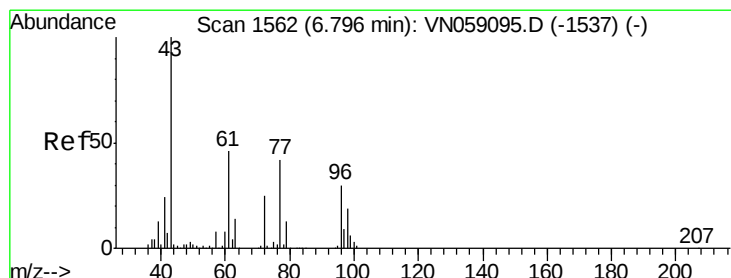
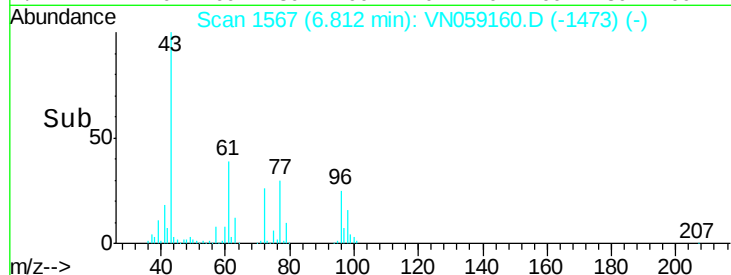
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.463 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059160.D

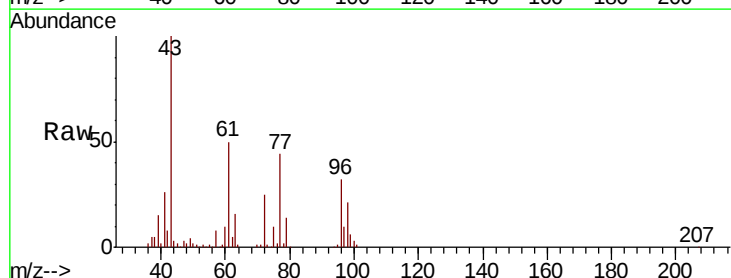
Acq: 11 Nov 2019 14:53

Tgt Ion: 77 Resp: 148552

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN059160.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059160.D (-1469) (-)

6.80

50000

40000

30000

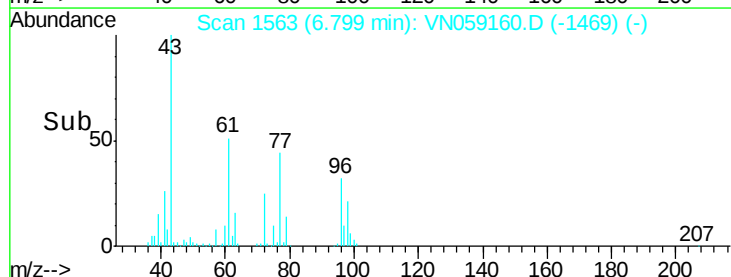
20000

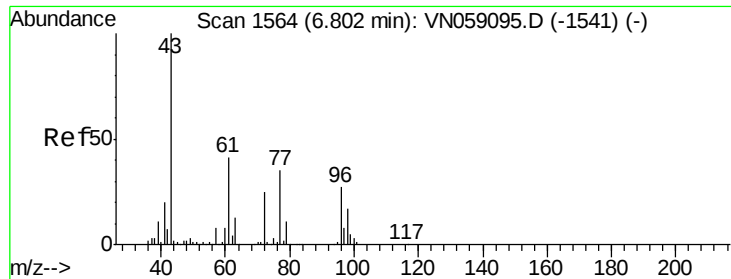
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.592 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

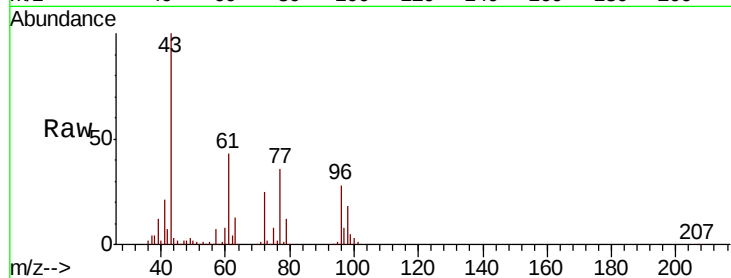
Tot Ion: 96 Resp: 103598

Ion Ratio Lower Upper

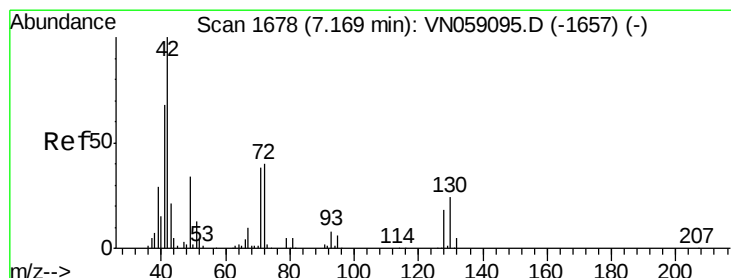
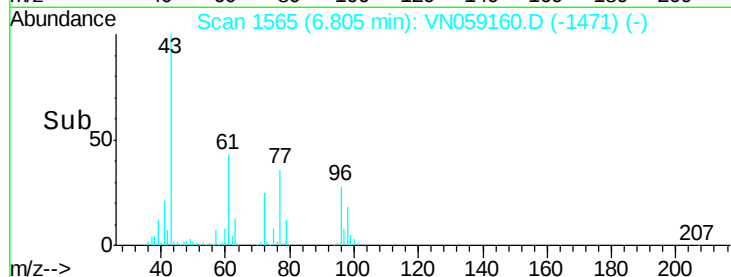
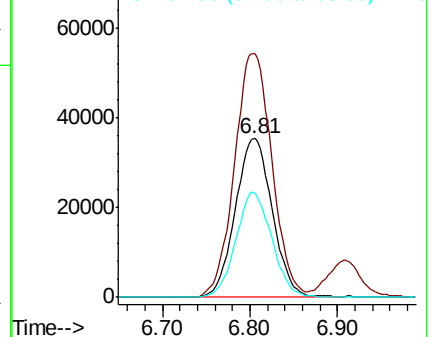
96 100

61 155.8 0.0 311.6

98 64.4 0.0 129.8



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



#28

Bromochloromethane

Concen: 20.903 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

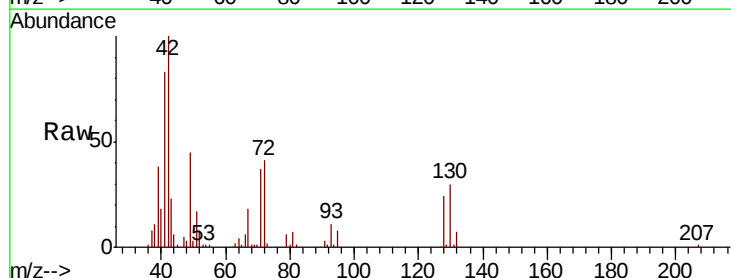
Tgt Ion: 49 Resp: 57866

Ion Ratio Lower Upper

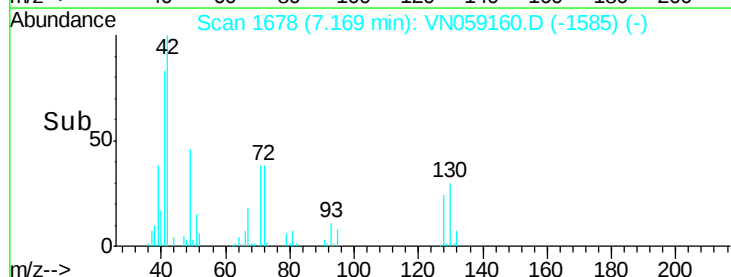
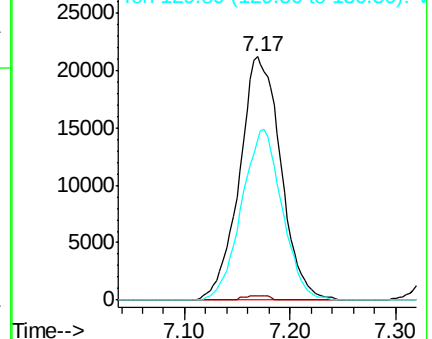
49 100

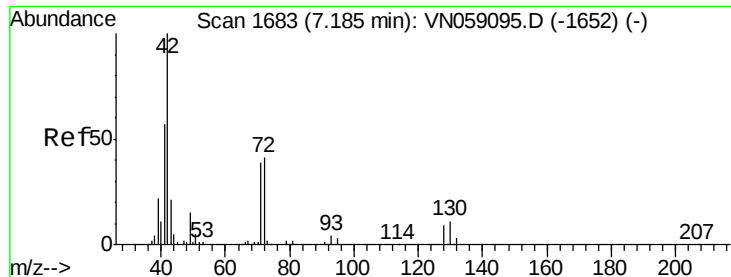
129 1.0 0.0 3.8

130 68.4 55.6 83.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

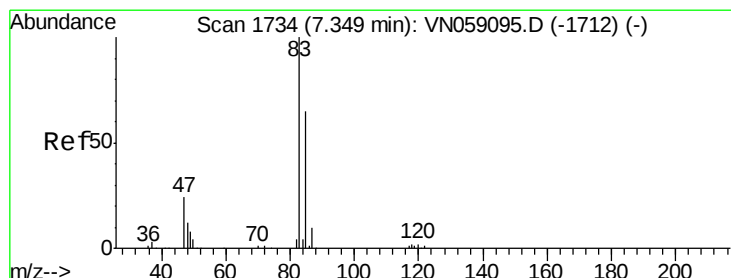
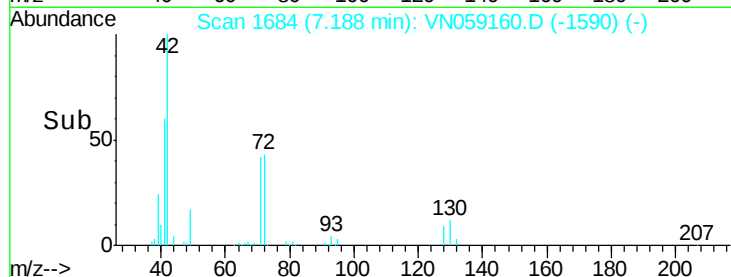
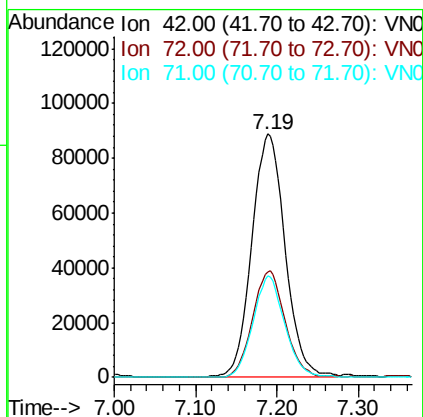
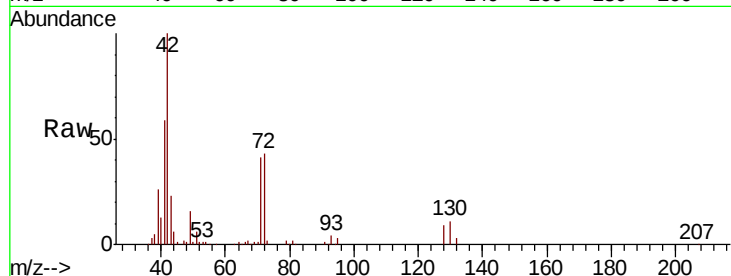




#29
Tetrahydrofuran
Concen: 103.085 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

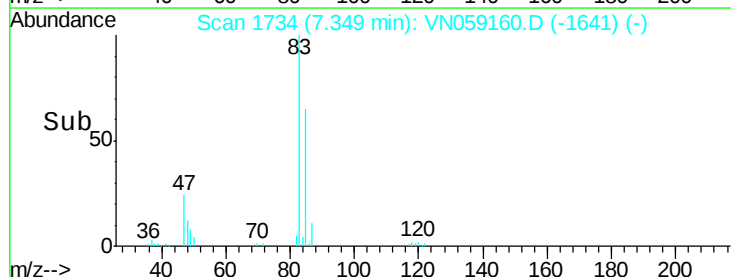
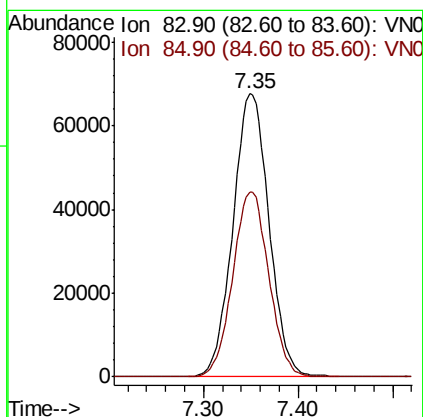
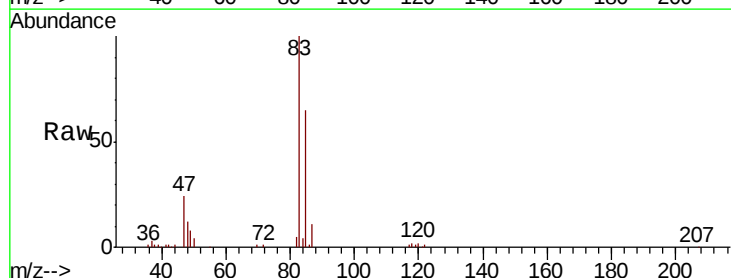
Instrument :
MSVOA_N
ClientSampleId :

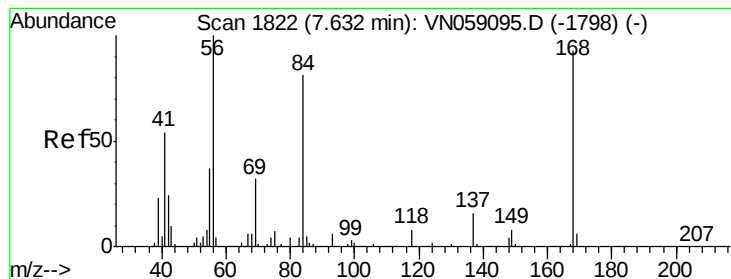
Tot Ion: 42 Resp: 251178
Ion Ratio Lower Upper
42 100
72 42.8 33.1 49.7
71 39.7 30.9 46.3



#30
Chloroform
Concen: 20.317 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 83 Resp: 179336
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.8





#31

Cyclohexane

Concen: 18.504 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :

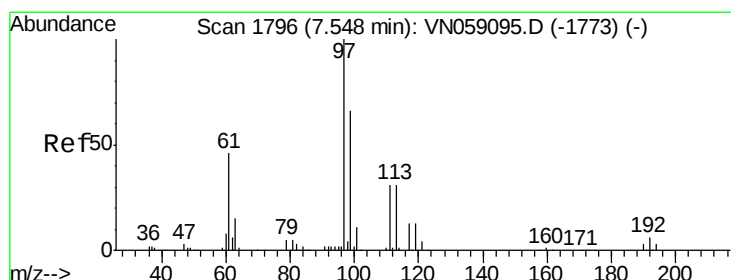
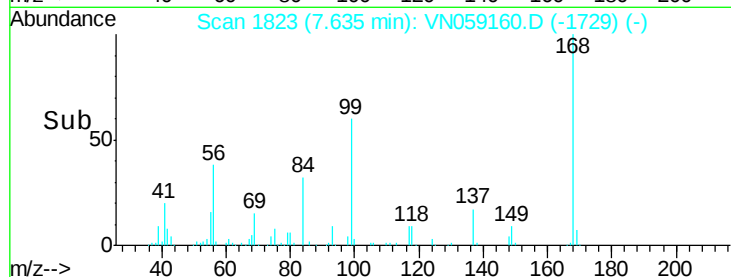
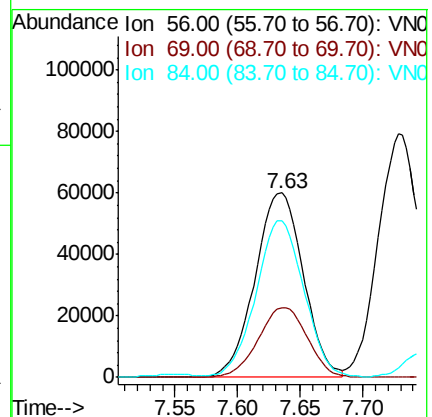
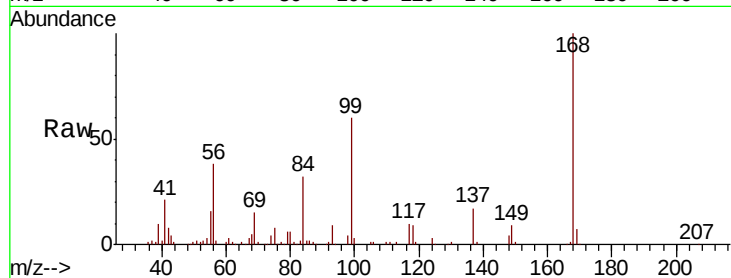
Tot Ion: 56 Resp: 161183

Ion Ratio Lower Upper

56 100

69 38.1 25.8 38.8

84 83.8 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 20.571 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

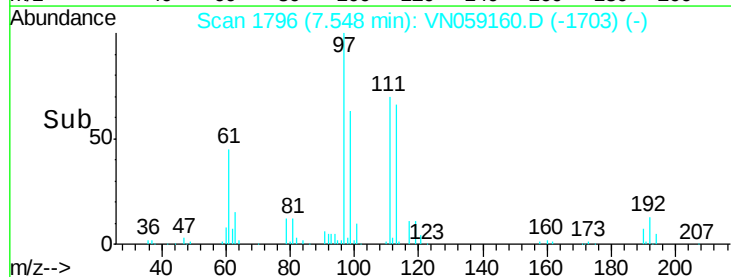
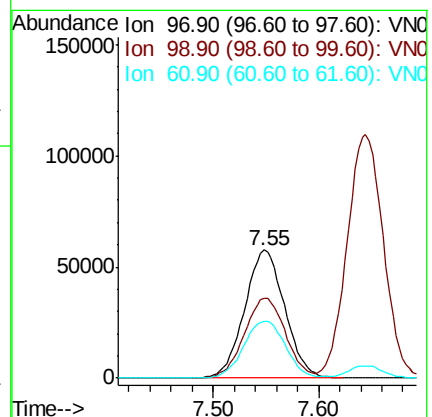
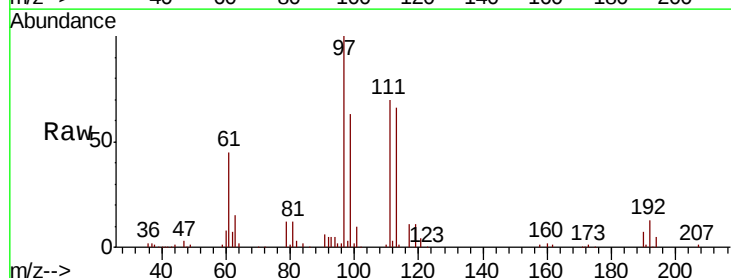
Tgt Ion: 97 Resp: 152662

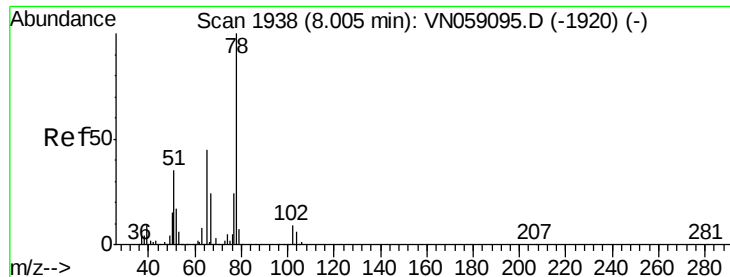
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 46.3 35.8 53.8

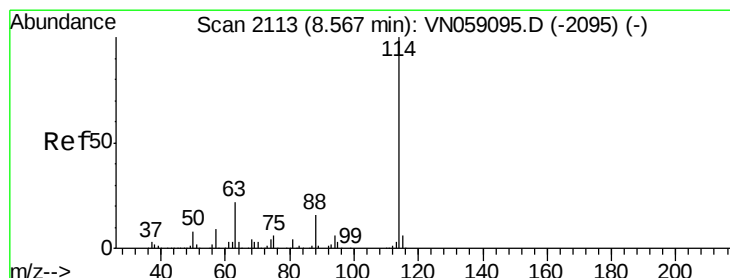
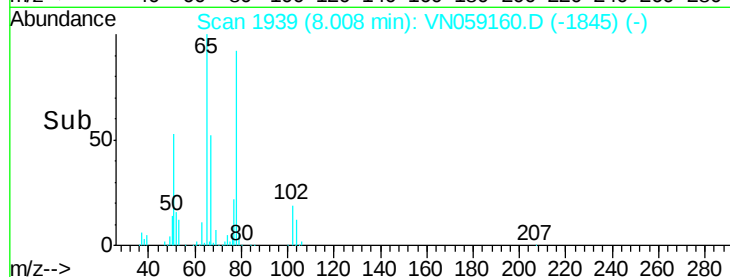
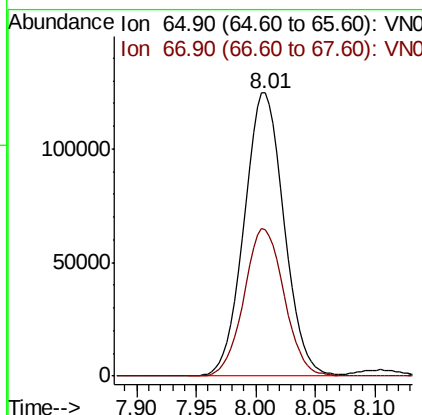
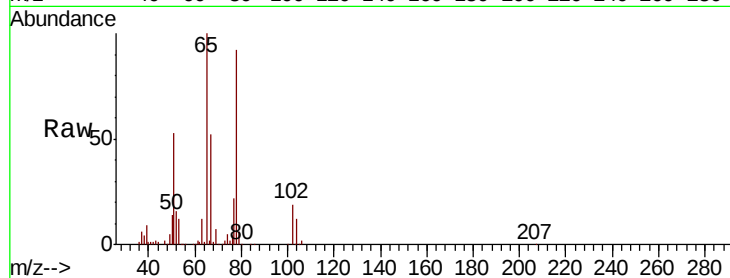




#33
 1,2-Dichloroethane-d4
 Concen: 51.814 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

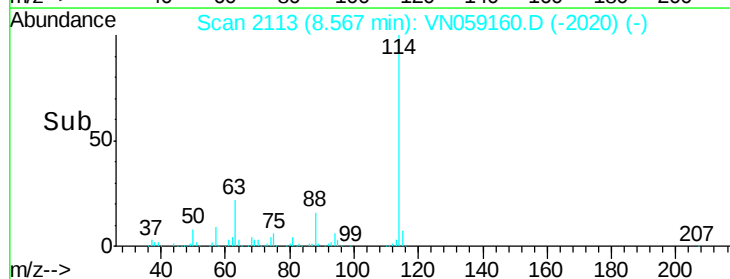
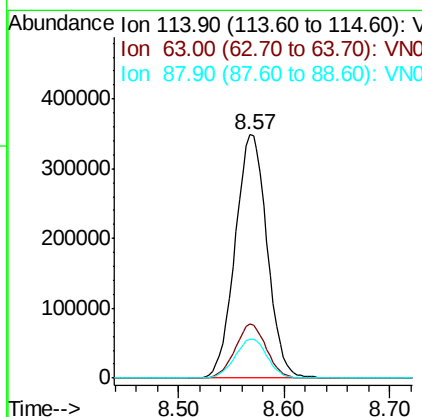
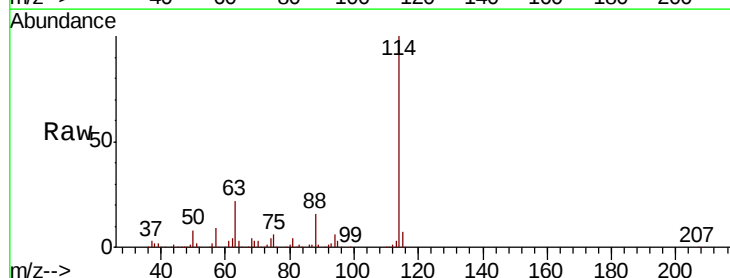
Instrument :
 MSVOA_N
 ClientSampled :

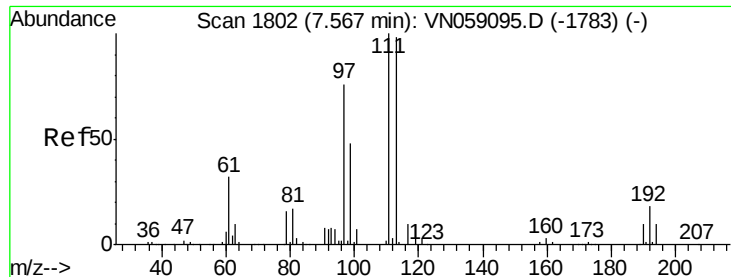
Tot Ion: 65 Resp: 289919
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 114 Resp: 732080
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.4
 88 15.9 0.0 32.2

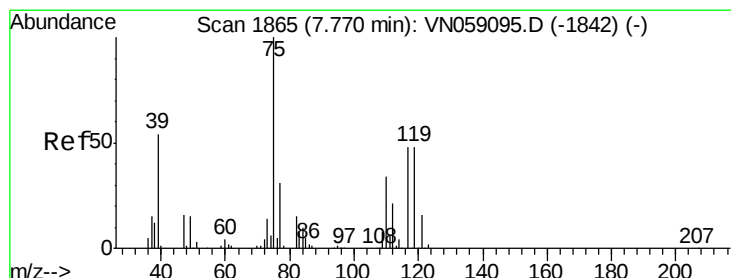
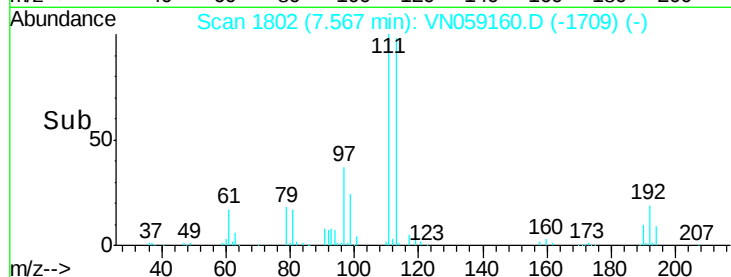
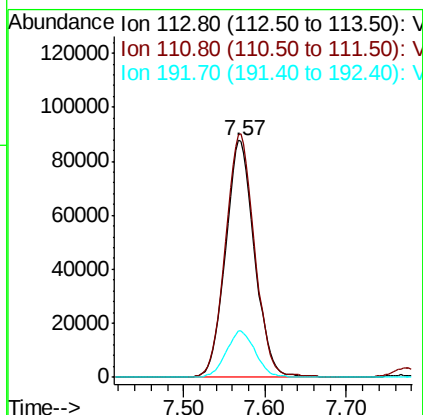
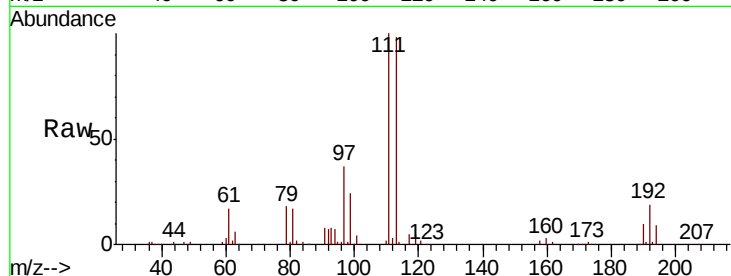




#35
 Dibromofluoromethane
 Concen: 49.982 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

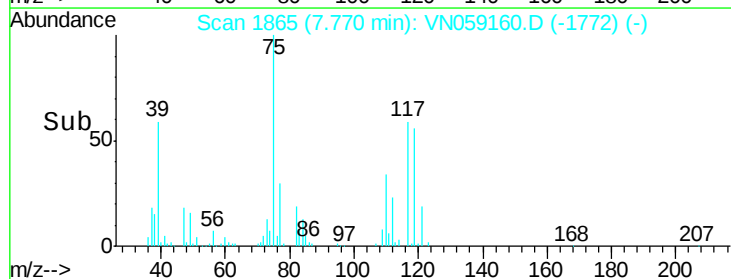
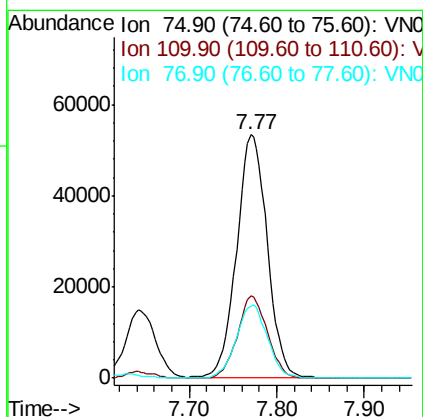
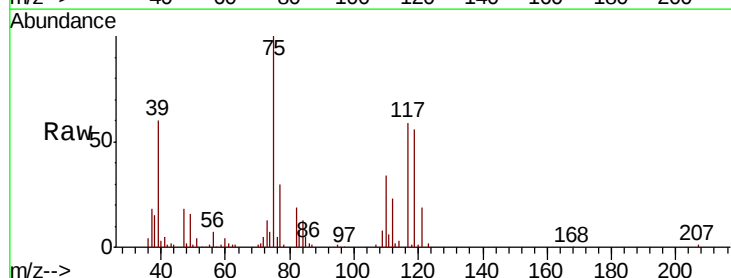
Instrument :
 MSVOA_N
 ClientSampleId :

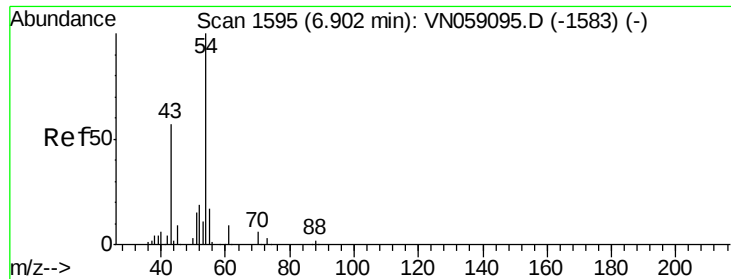
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.8	124.2
192	19.7	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 18.996 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.1	51.2
77	30.7	24.8	37.2

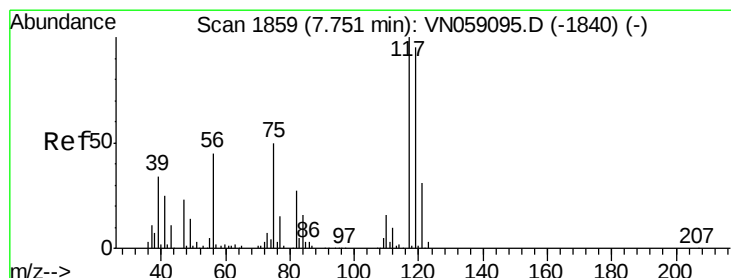
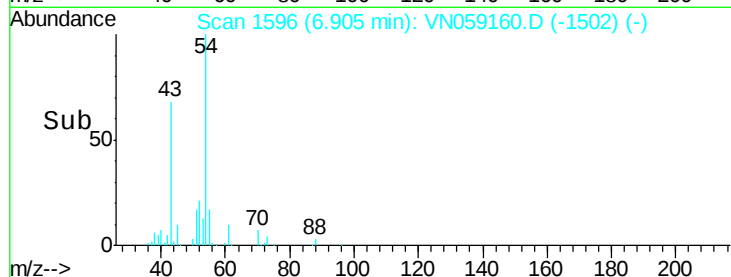
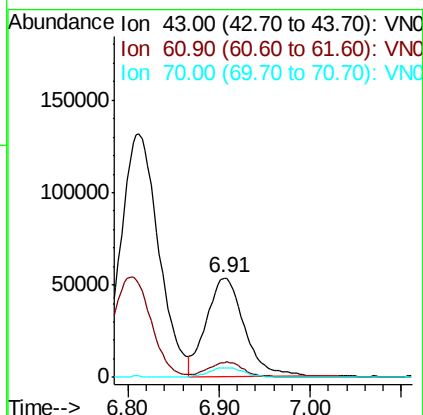
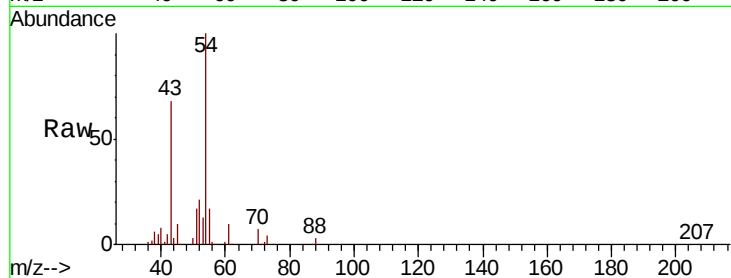




#37
Ethyl Acetate
Concen: 20.442 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

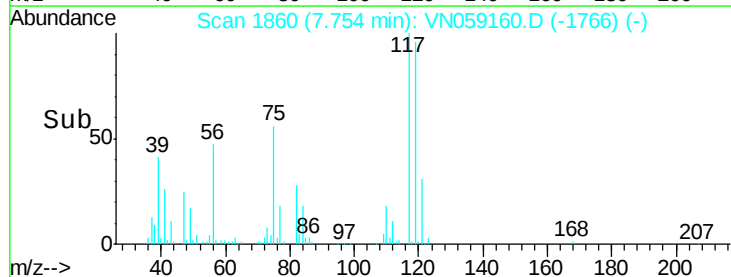
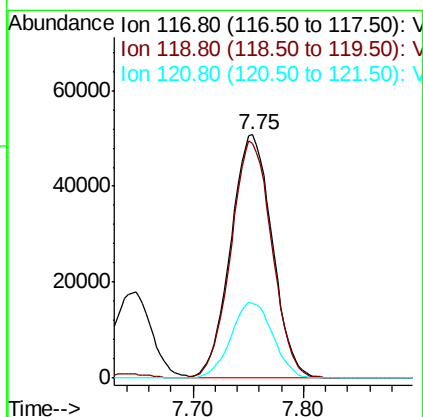
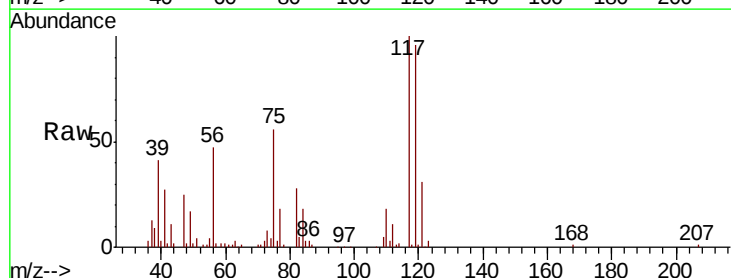
Instrument :
MSVOA_N
ClientSampleId :

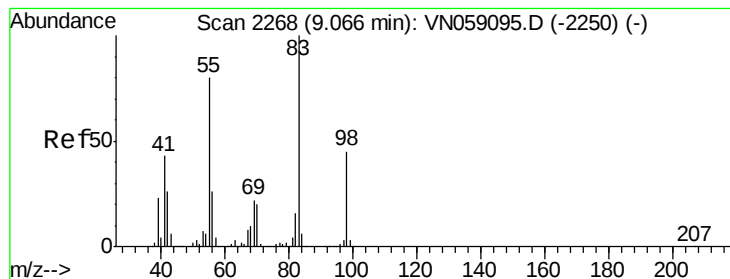
Tot Ion: 43 Resp: 155616
Ion Ratio Lower Upper
43 100
61 14.4 11.2 16.8
70 9.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.448 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 117 Resp: 132459
Ion Ratio Lower Upper
117 100
119 96.2 75.6 113.4
121 30.8 24.6 36.8





#39

Methvlcvclohexane

Concen: 18.699 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

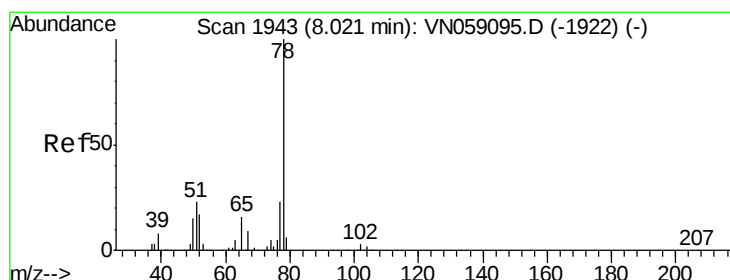
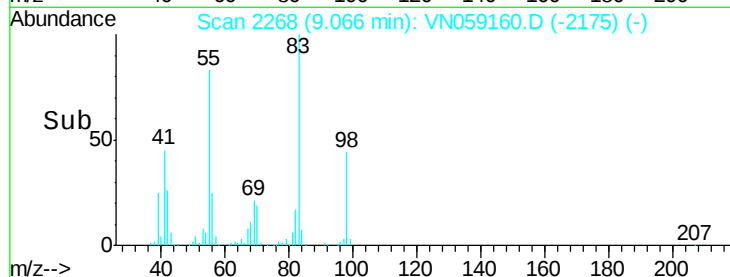
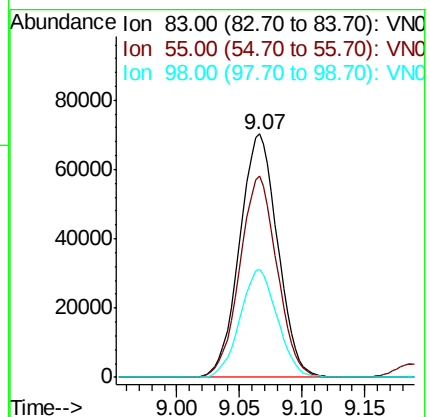
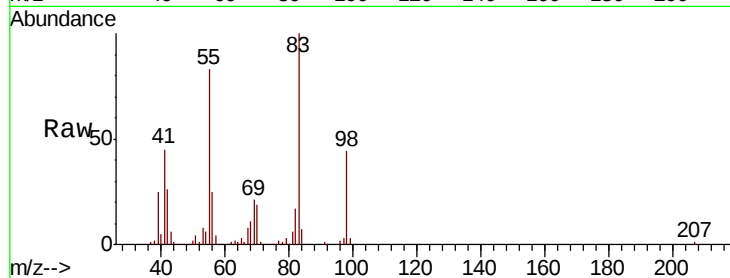
Tot Ion: 83 Resp: 148500

Ion Ratio Lower Upper

83 100

55 82.7 63.9 95.9

98 44.5 35.6 53.4



#40

Benzene

Concen: 19.188 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN059160.D

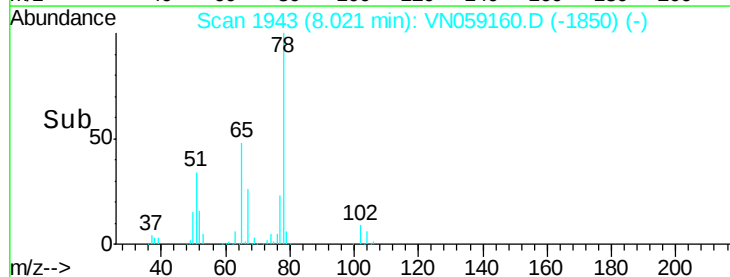
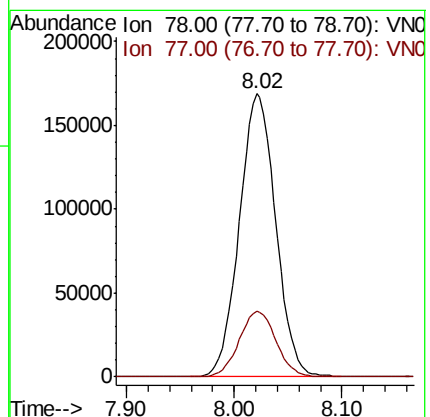
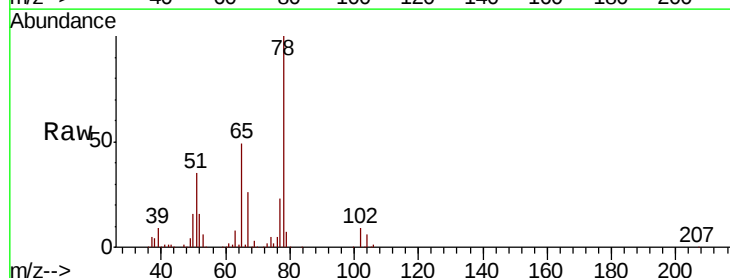
Acq: 11 Nov 2019 14:53

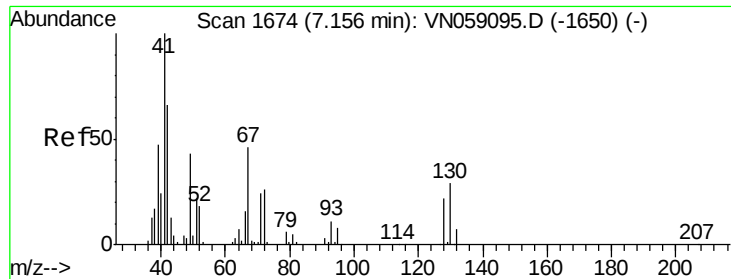
Tgt Ion: 78 Resp: 395400

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2

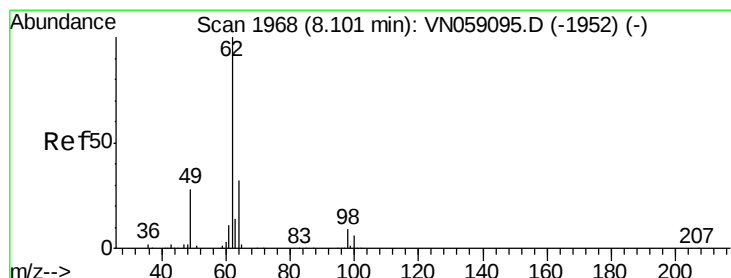
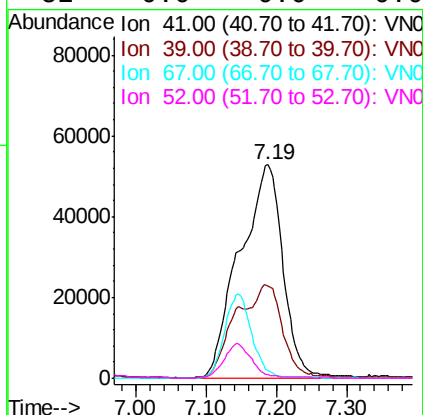
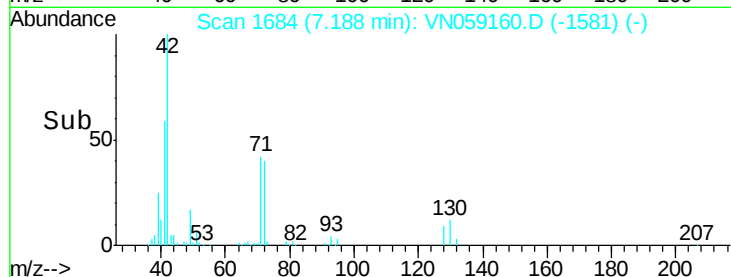
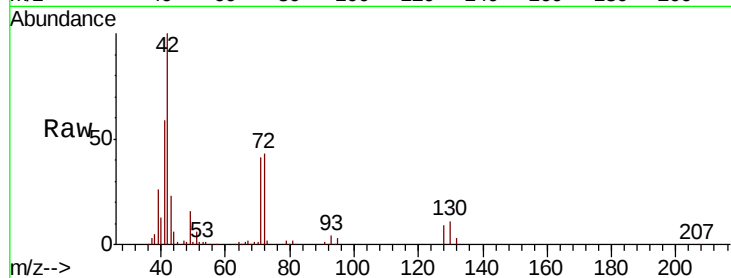




#41
Methacrylonitrile
Concen: 68.113 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

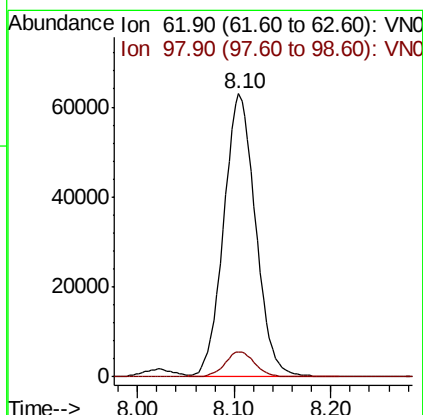
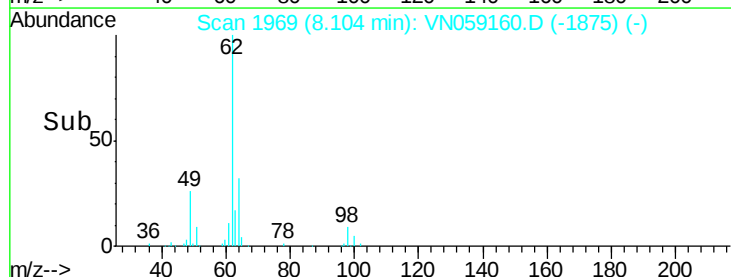
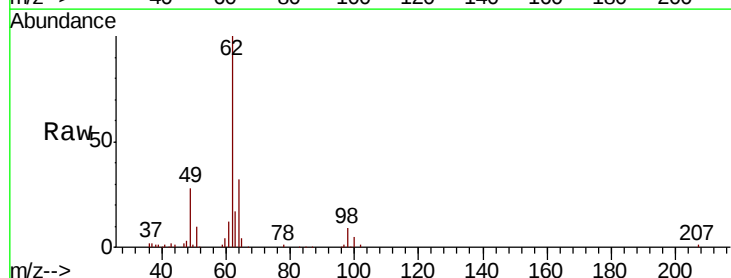
Instrument :
MSVOA_N
ClientSampled :

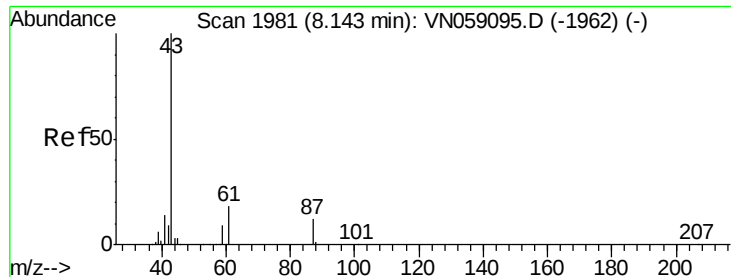
Tot Ion:	41	Resp:	225470
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.390 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion:	62	Resp:	144103
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.651 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

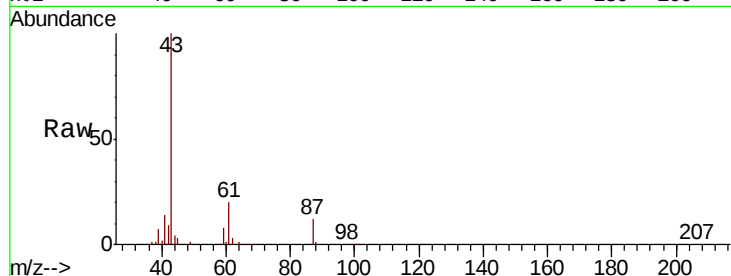
Tot Ion: 43 Resp: 238489

Ion Ratio Lower Upper

43 100

61 20.6 21.0 31.6#

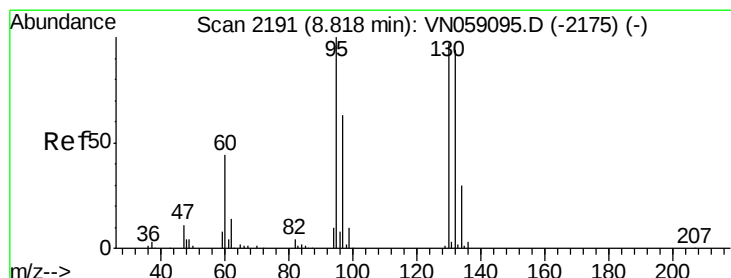
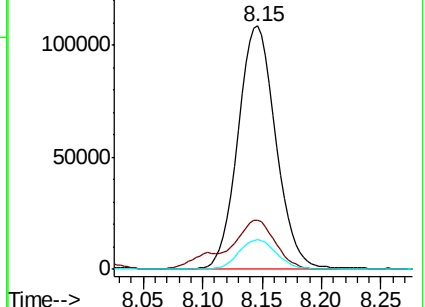
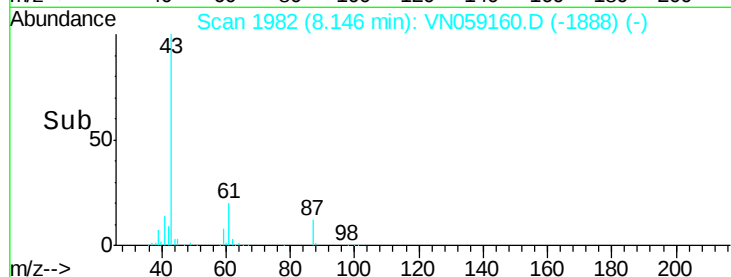
87 12.3 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059160.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059160.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059160.D (-1888) (-)



#44

Trichloroethene

Concen: 19.013 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059160.D

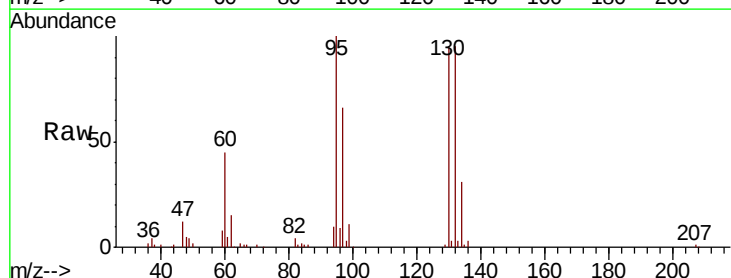
Acq: 11 Nov 2019 14:53

Tgt Ion: 130 Resp: 96305

Ion Ratio Lower Upper

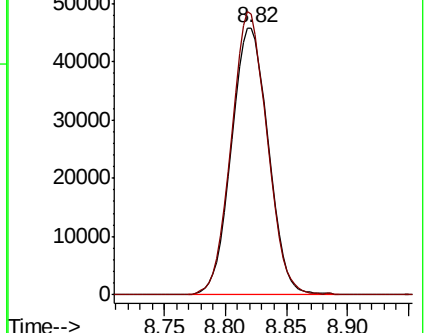
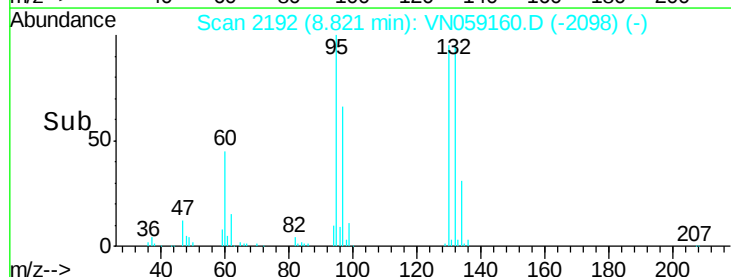
130 100

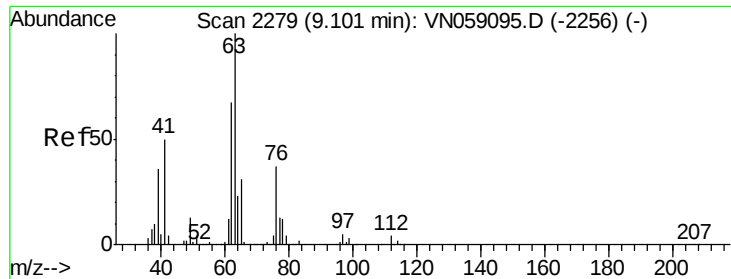
95 104.8 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059160.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059160.D (-2098) (-)

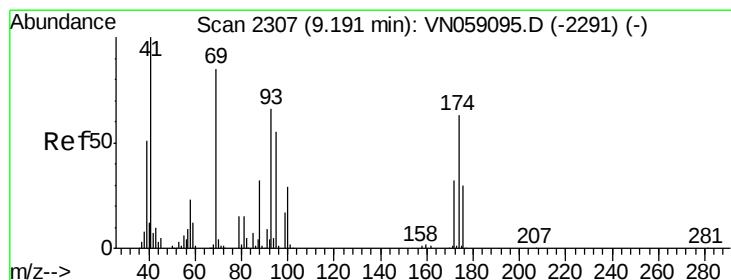
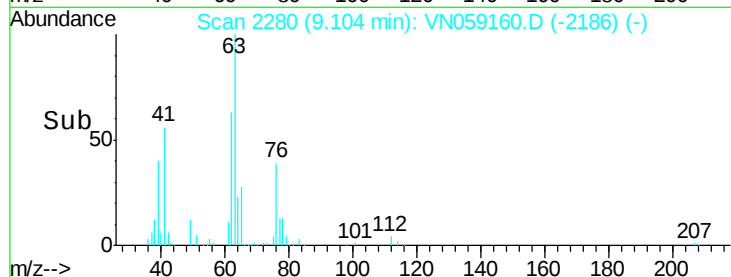
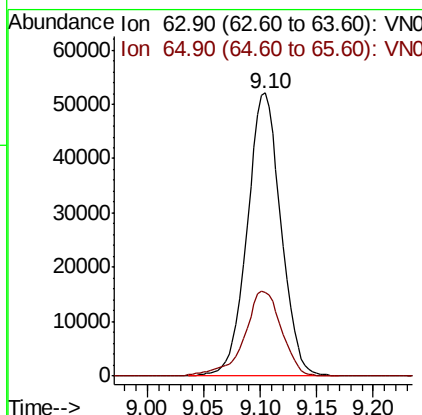
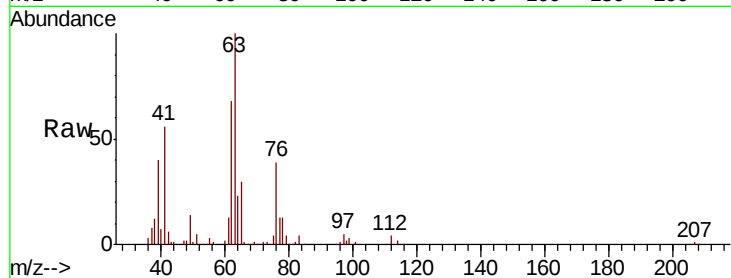




#45
 1,2-Dichloropropane
 Concen: 19.250 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

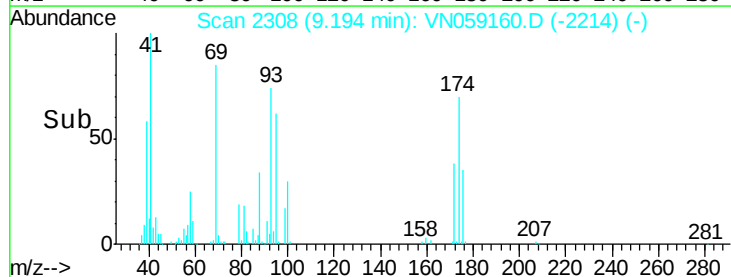
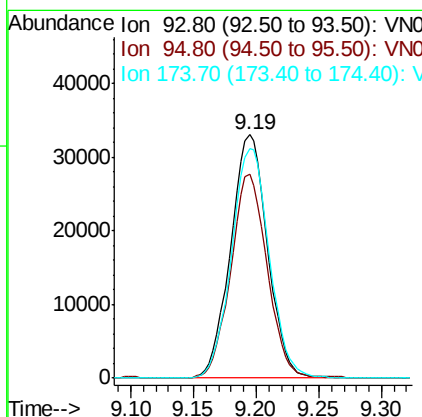
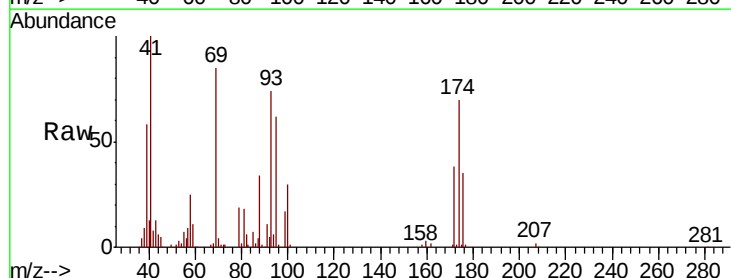
Instrument :
 MSVOA_N
 ClientSampleId :

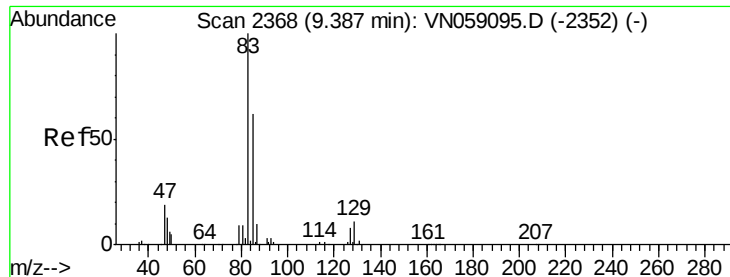
Tot Ion: 63 Resp: 107742
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.6 37.0



#46
 Dibromomethane
 Concen: 19.406 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 93 Resp: 67682
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 100.0
 174 96.4 78.2 117.2





#47

Bromodichloromethane

Concen: 19.843 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

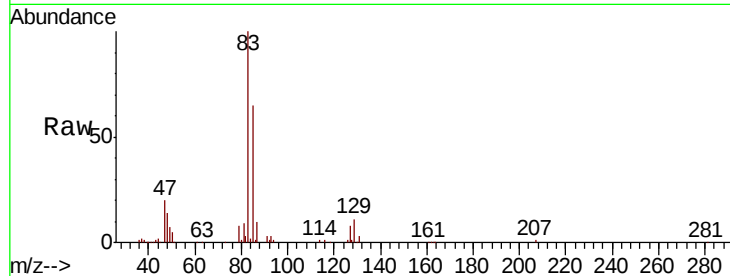
Tot Ion: 83 Resp: 138196

Ion Ratio Lower Upper

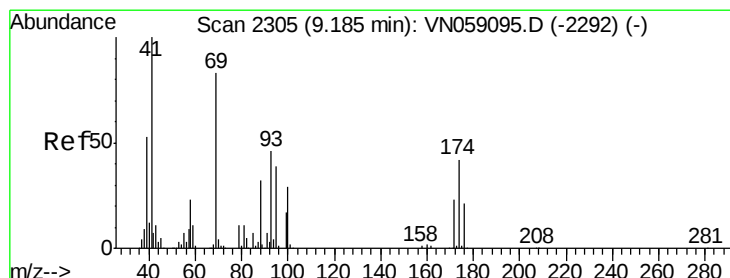
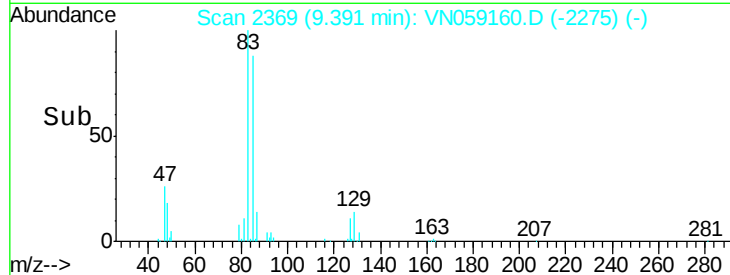
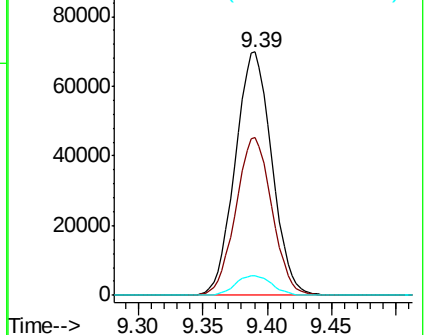
83 100

85 64.7 49.7 74.5

127 7.9 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): V



#48

Methyl methacrylate

Concen: 19.389 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

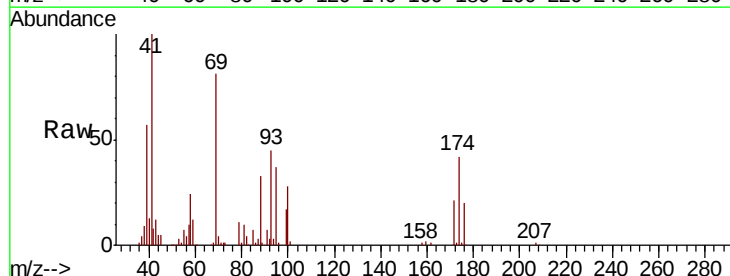
Tgt Ion: 41 Resp: 105253

Ion Ratio Lower Upper

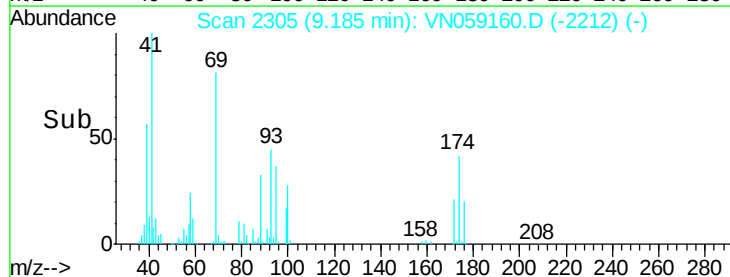
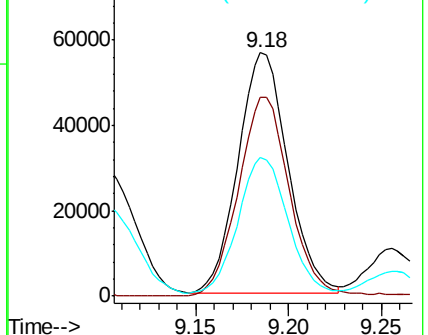
41 100

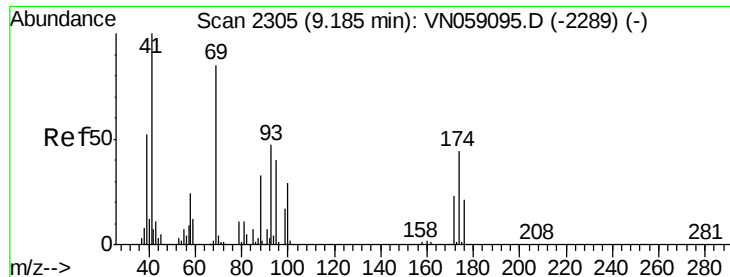
69 84.8 67.3 100.9

39 58.4 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: 405.466 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :

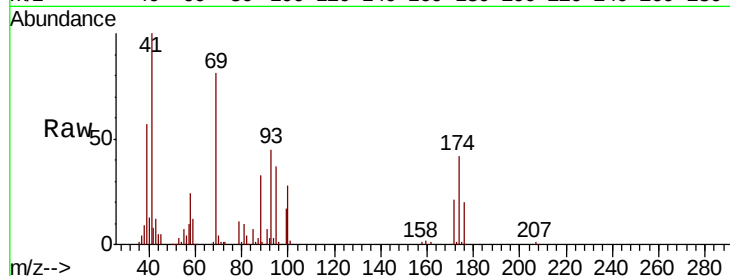
Tot Ion: 88 Resp: 39116

Ion Ratio Lower Upper

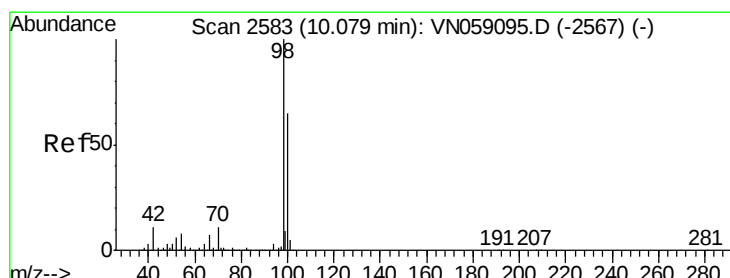
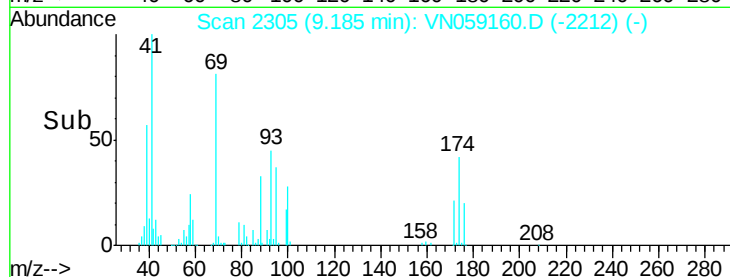
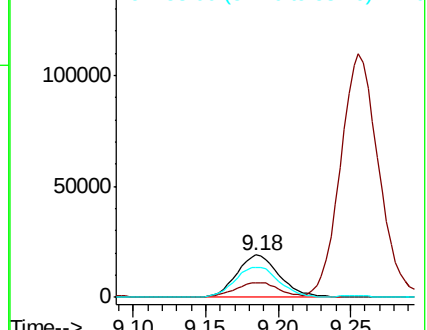
88 100

43 36.6 26.3 39.5

58 74.0 60.6 90.8



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



#50

Toluene-d8

Concen: 48.588 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059160.D

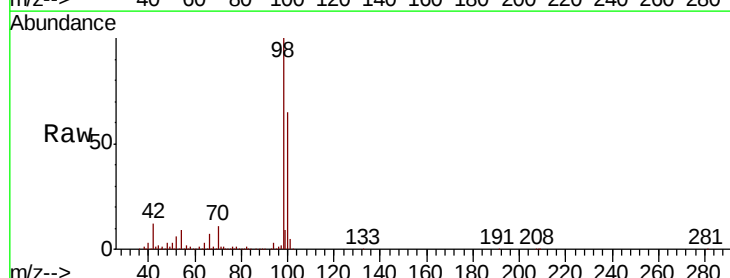
Acq: 11 Nov 2019 14:53

Tgt Ion: 98 Resp: 836576

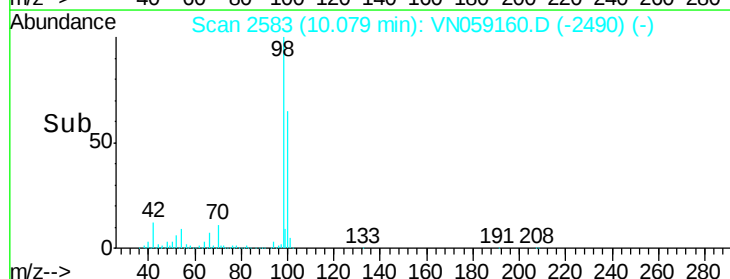
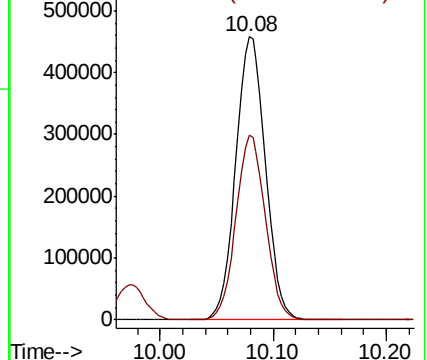
Ion Ratio Lower Upper

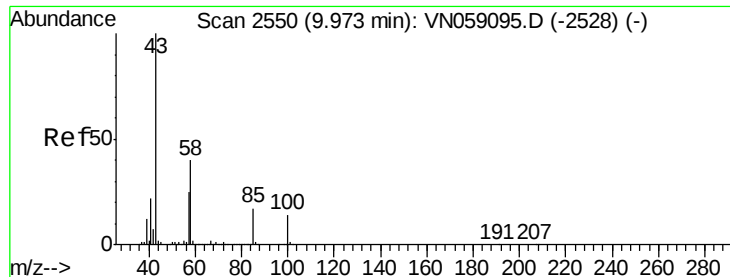
98 100

100 64.5 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 112.124 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

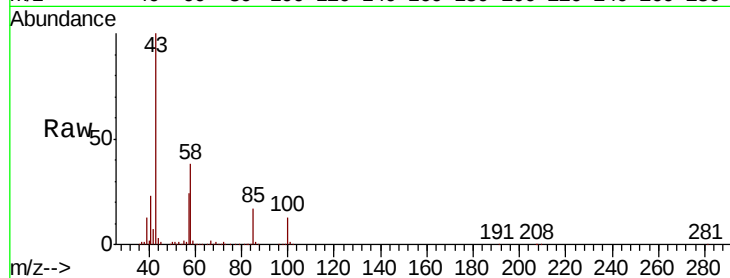
ClientSampleId :

Tot Ion: 43 Resp: 769947

Ion Ratio Lower Upper

43 100

58 38.2 31.5 47.3



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

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

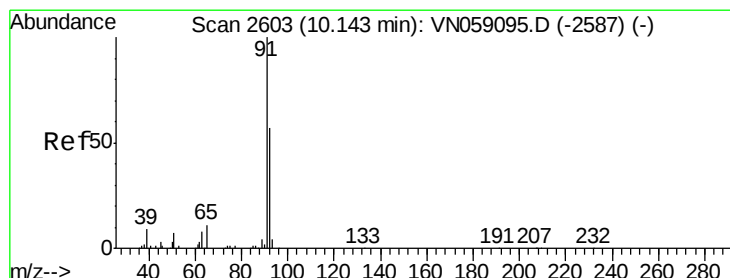
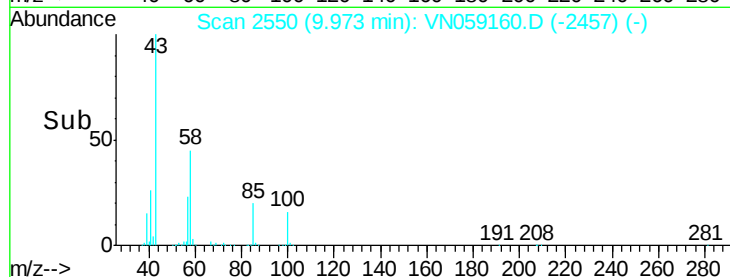
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.514 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059160.D

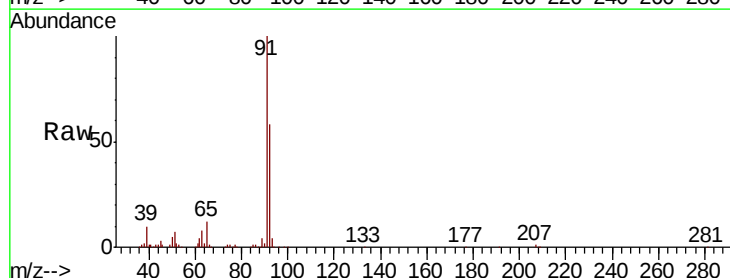
Acq: 11 Nov 2019 14:53

Tgt Ion: 92 Resp: 241008

Ion Ratio Lower Upper

92 100

91 174.0 139.5 209.3



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

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.15

250000

200000

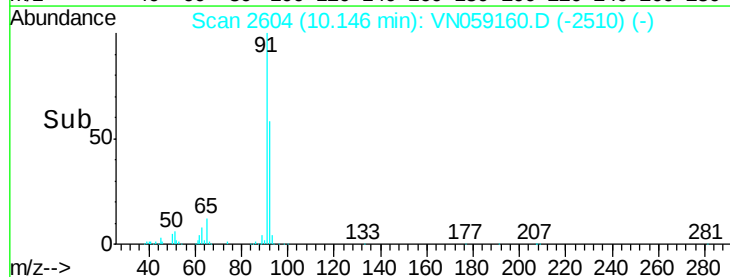
150000

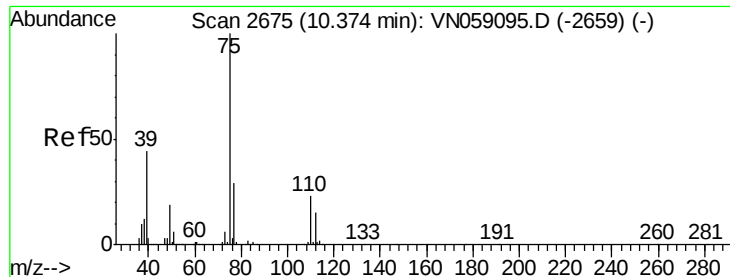
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.980 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

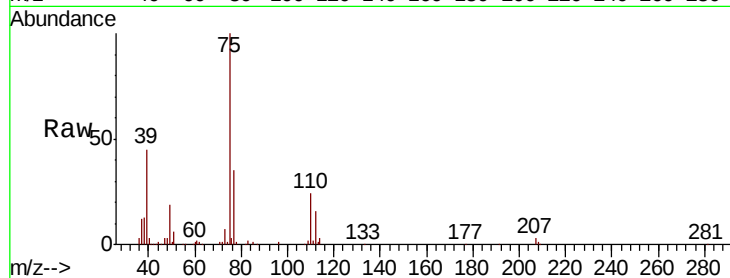
ClientSampleId :

Tot Ion: 75 Resp: 152720

Ion Ratio Lower Upper

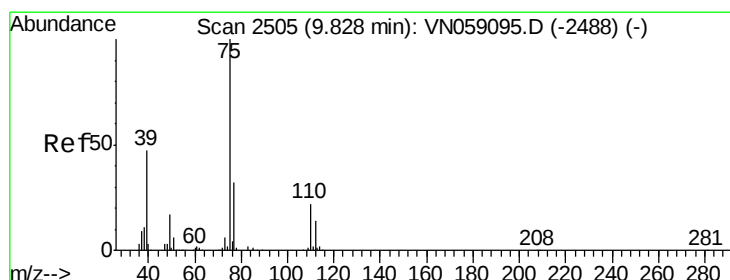
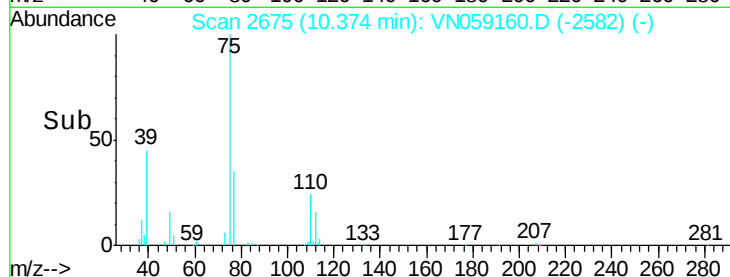
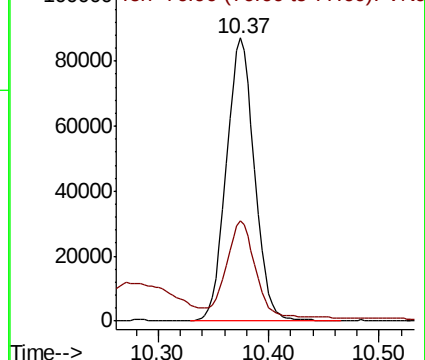
75 100

77 34.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.130 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

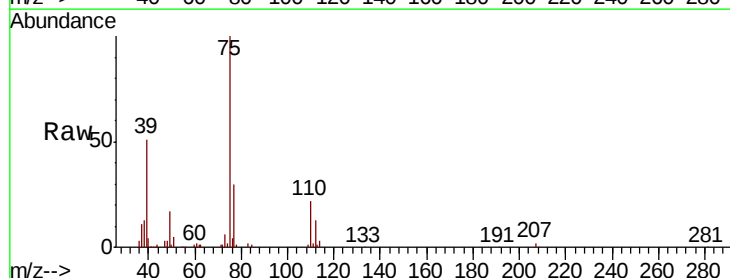
Tgt Ion: 75 Resp: 165569

Ion Ratio Lower Upper

75 100

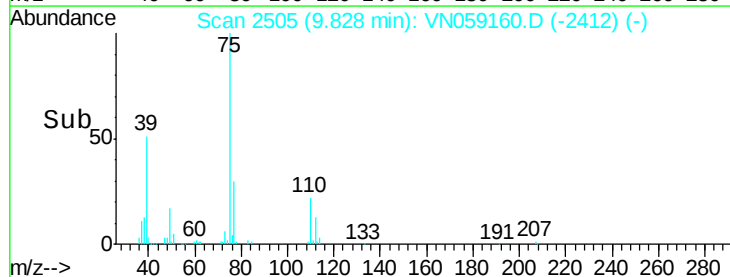
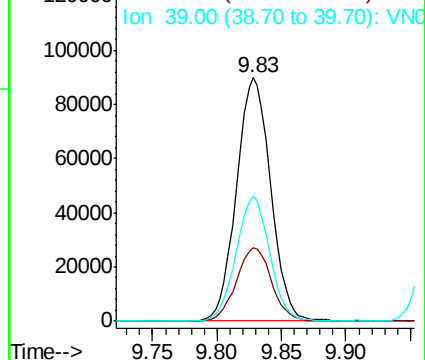
77 30.2 25.5 38.3

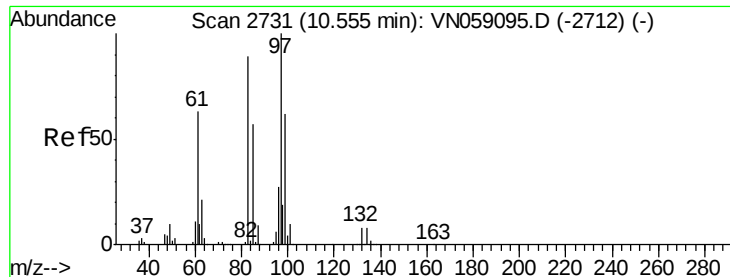
39 51.2 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

1,1,2-Trichloroethane

Concen: 19.357 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

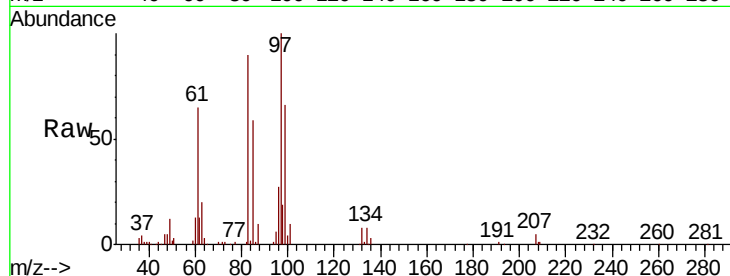
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 96753

Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.0	106.4
85	58.8	45.8	68.8
99	65.8	49.4	74.0



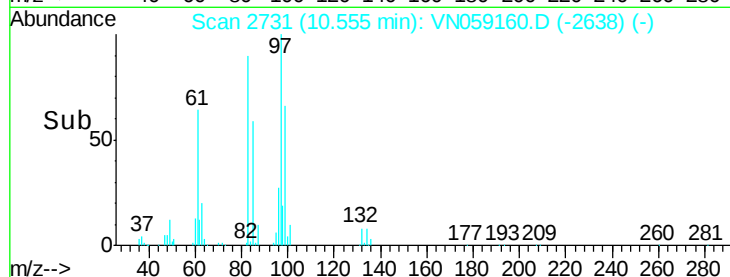
Abundance

Ion 96.90 (96.60 to 97.60): VN0

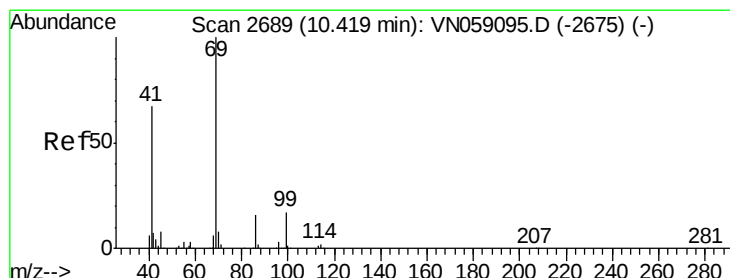
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#56

Ethyl methacrylate

Concen: 18.877 ug/l

RT: 10.42 min Scan# 2690

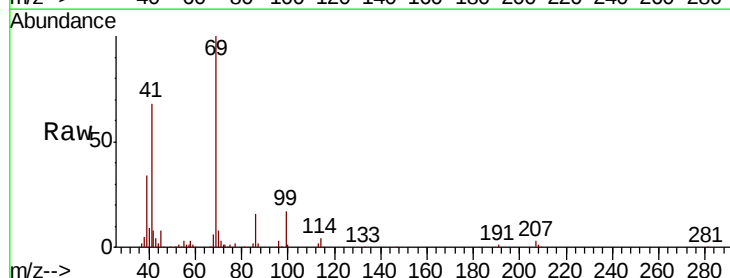
Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Tgt Ion: 69 Resp: 147272

Ion	Ratio	Lower	Upper
69	100		
41	67.9	53.6	80.4
39	34.5	26.2	39.4

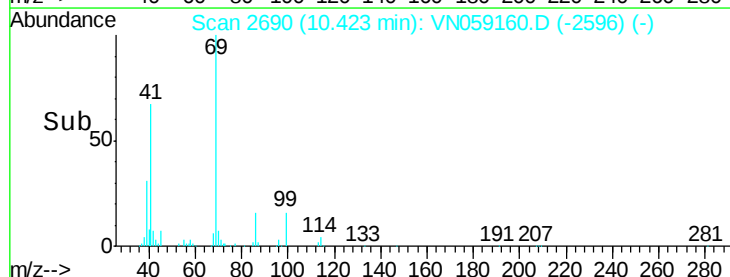


Abundance

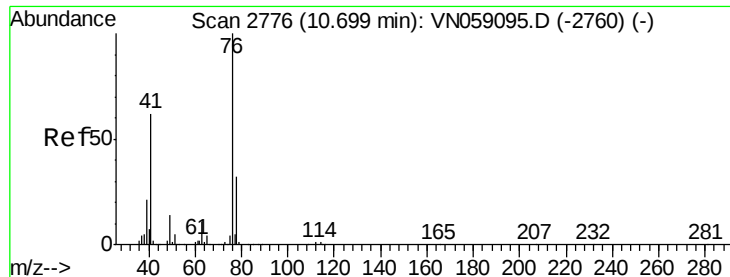
Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#57

1,3-Dichloropropane

Concen: 19.798 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

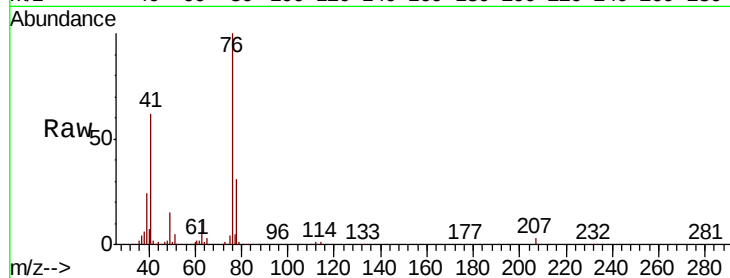
ClientSampled :

Tot Ion: 76 Resp: 170320

Ion Ratio Lower Upper

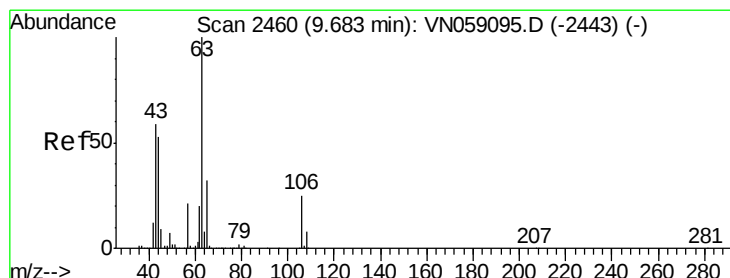
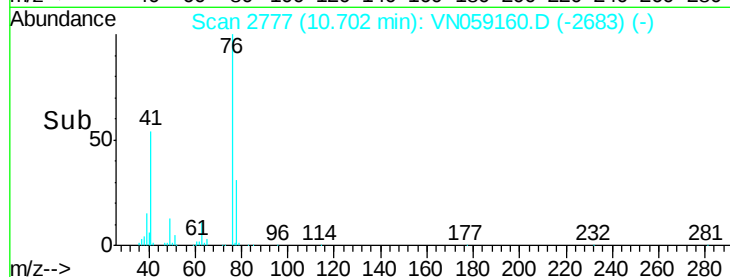
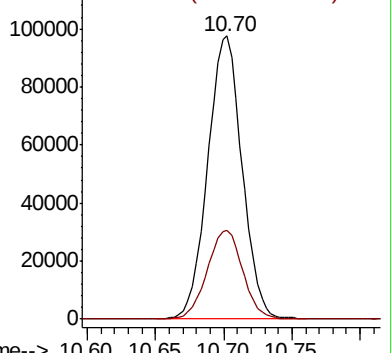
76 100

78 32.4 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: 95.518 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059160.D

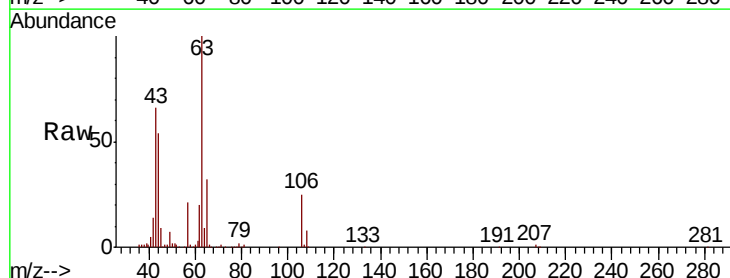
Acq: 11 Nov 2019 14:53

Tgt Ion: 63 Resp: 265707

Ion Ratio Lower Upper

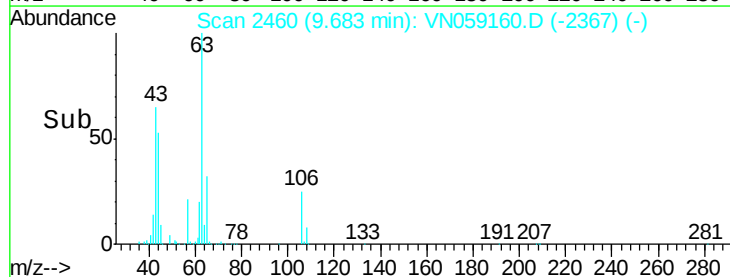
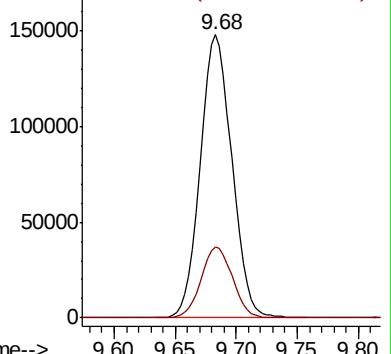
63 100

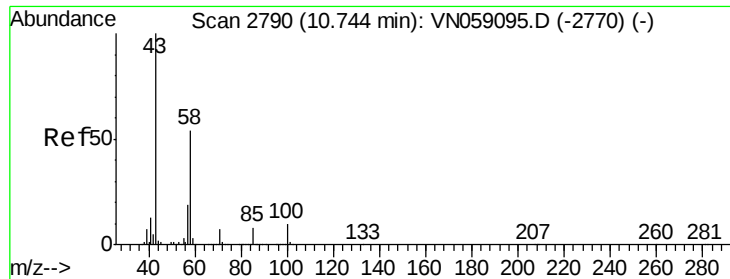
106 24.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

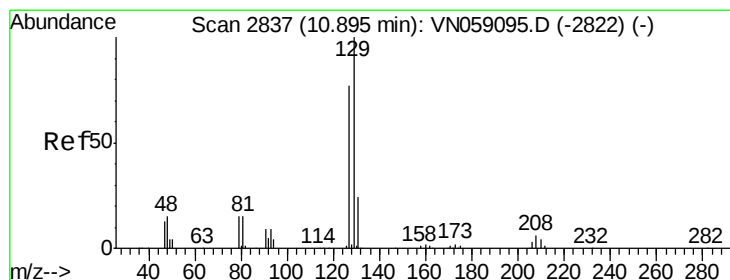
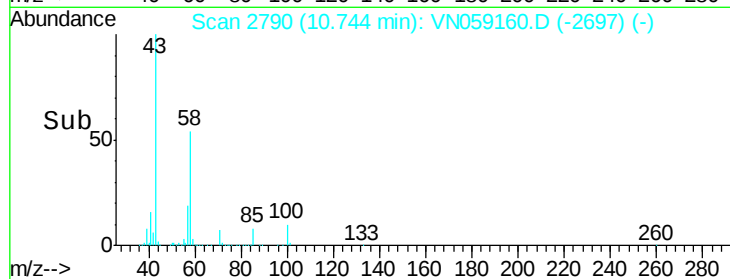
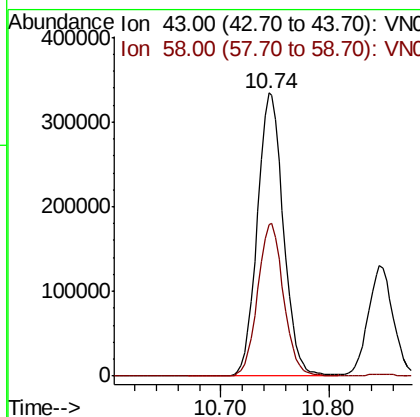
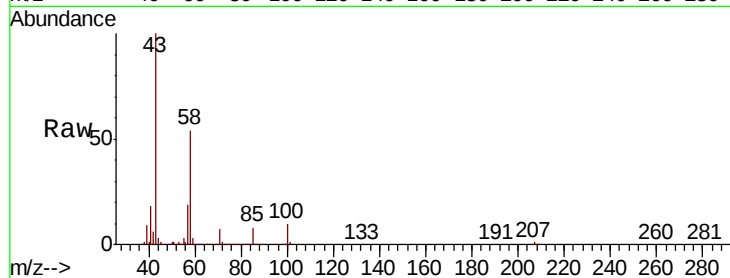




#59
2-Hexanone
Concen: 106.368 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

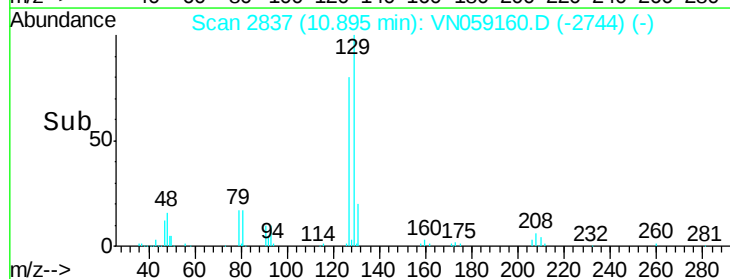
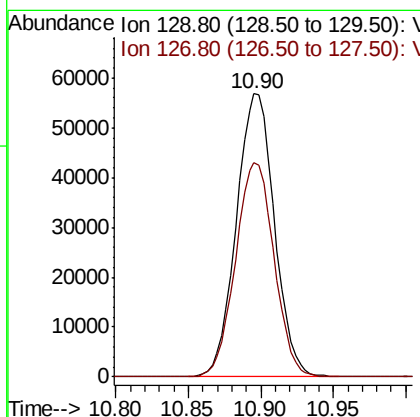
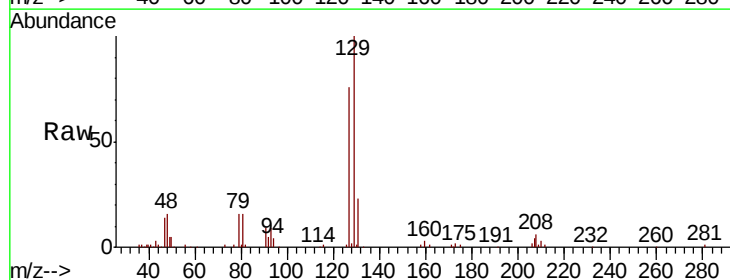
Instrument :
MSVOA_N
ClientSampleId :

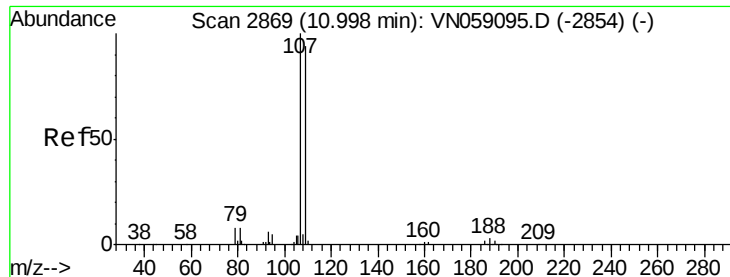
Tot Ion: 43 Resp: 560632
Ion Ratio Lower Upper
43 100
58 53.4 27.3 81.8



#60
Dibromochloromethane
Concen: 19.633 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 129 Resp: 103757
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.808 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

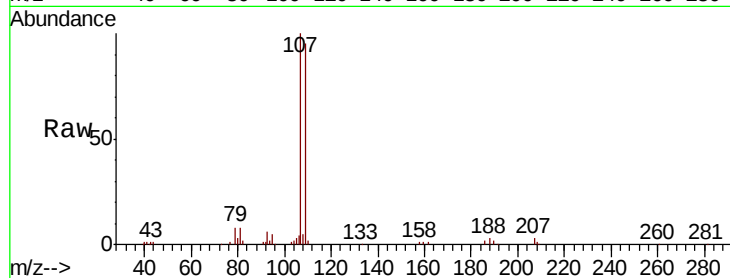
ClientSampleId :

Tot Ion:107 Resp: 100227

Ion Ratio Lower Upper

107 100

109 95.2 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

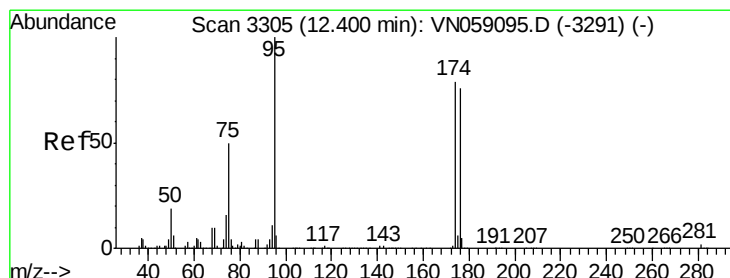
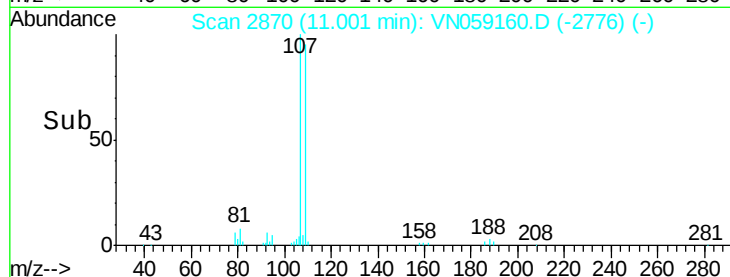
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.965 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

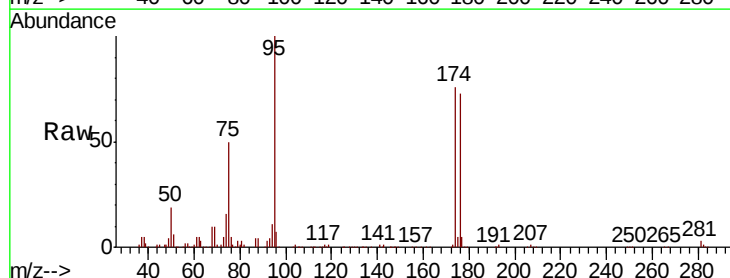
Tgt Ion: 95 Resp: 297774

Ion Ratio Lower Upper

95 100

174 77.0 0.0 158.2

176 75.1 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

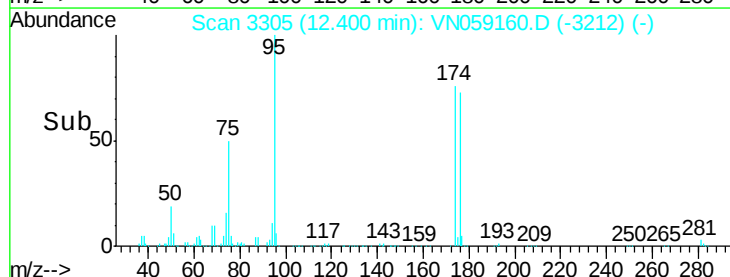
150000

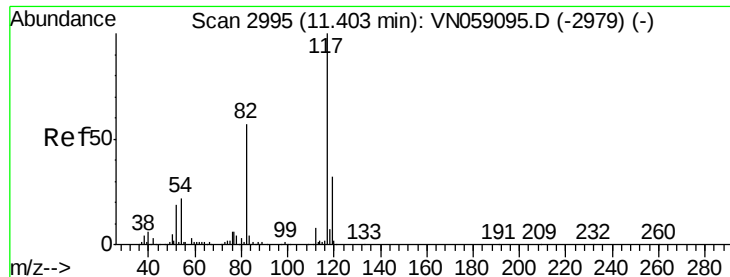
100000

50000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

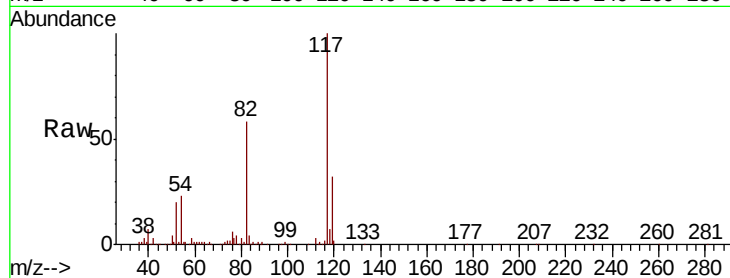
Tot Ion:117 Resp: 665112

Ion Ratio Lower Upper

117 100

82 58.2 45.8 68.8

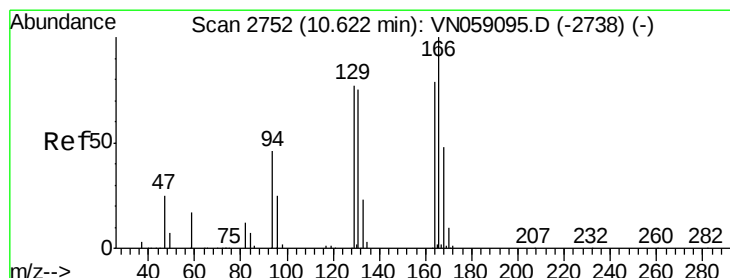
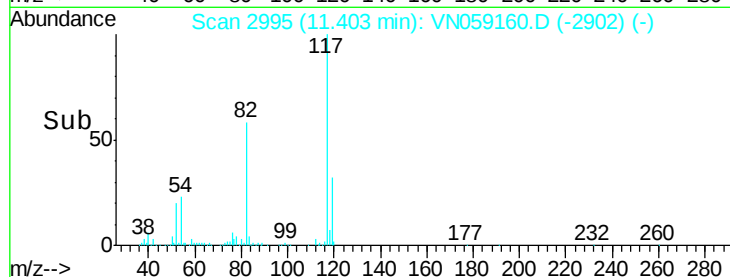
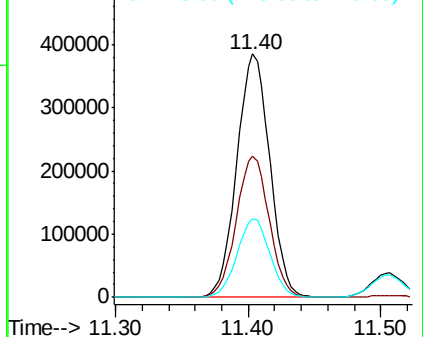
119 32.5 25.8 38.6



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



#64

Tetrachloroethene

Concen: 18.563 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Tgt Ion:164 Resp: 83955

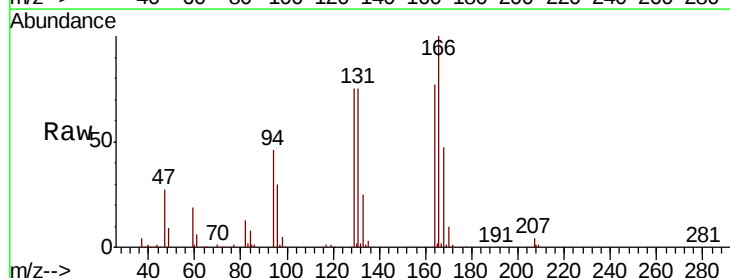
Ion Ratio Lower Upper

164 100

166 129.3 101.5 152.3

129 96.5 78.3 117.5

131 96.9 75.9 113.9

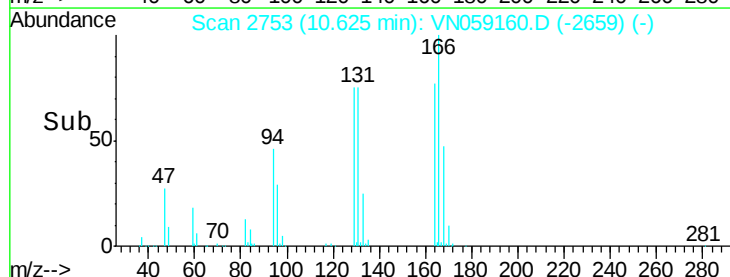
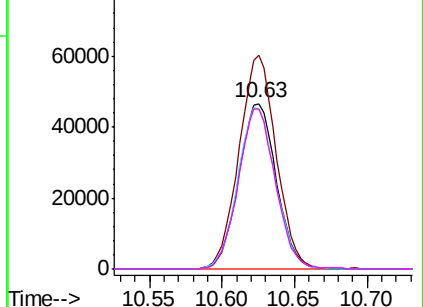


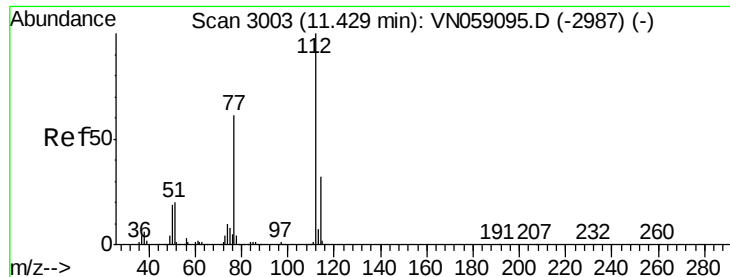
Abundance Ion 163.80 (163.50 to 164.50): V

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

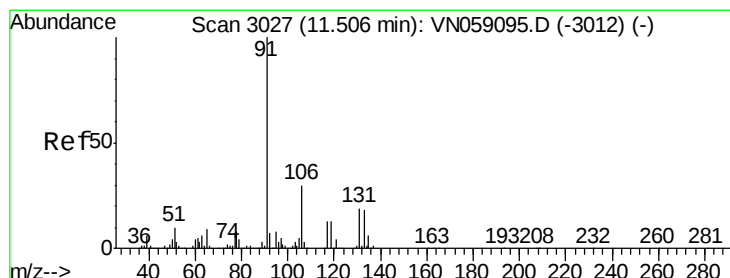
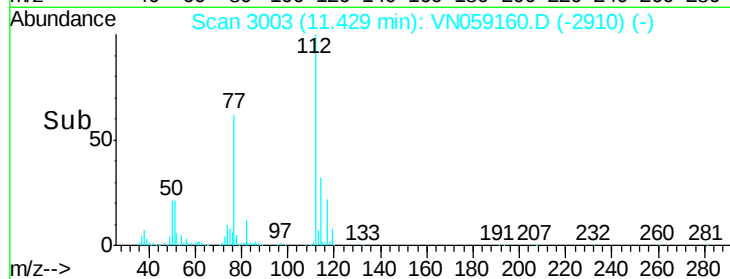
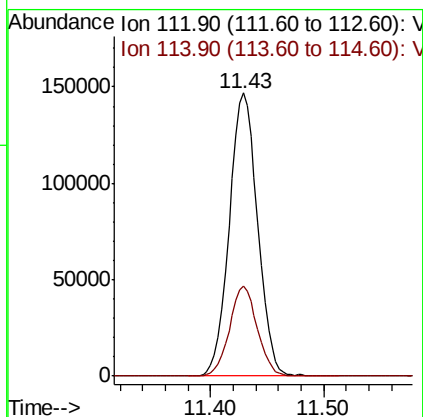
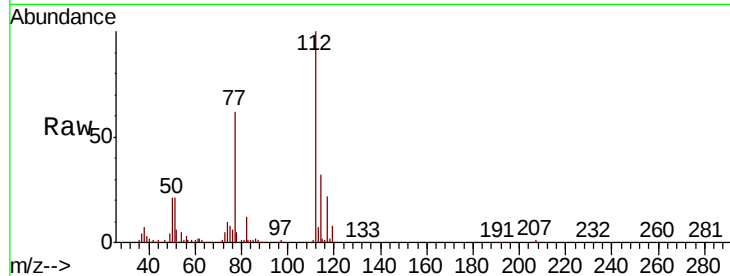




#65
Chlorobenzene
Concen: 19.683 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

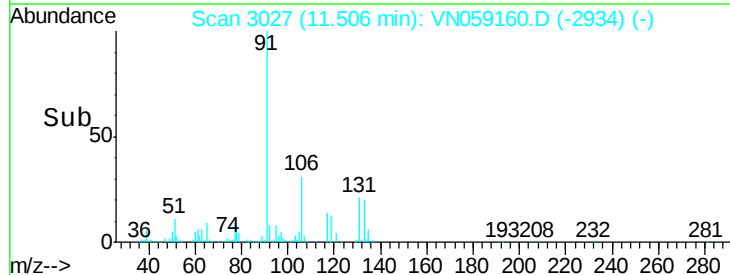
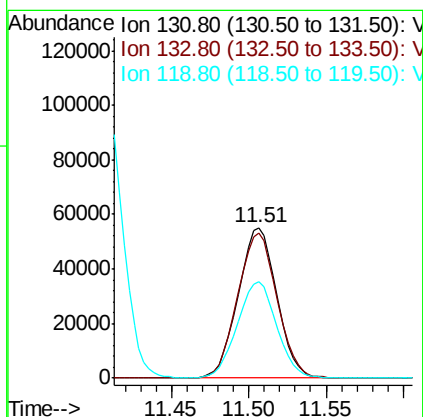
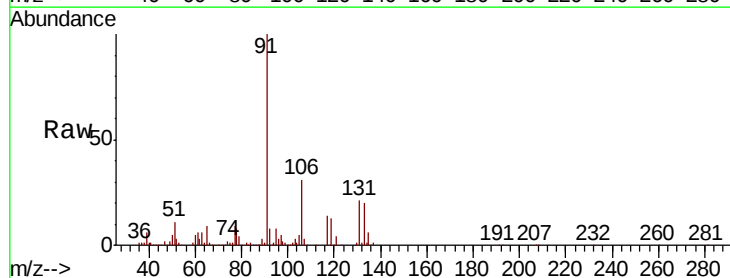
Instrument :
MSVOA_N
ClientSampleId :

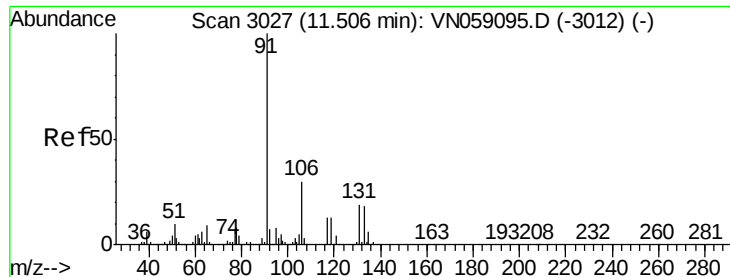
Tot Ion:112 Resp: 255201
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.671 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion:131 Resp: 95672
Ion Ratio Lower Upper
131 100
133 99.0 47.4 142.3
119 65.4 33.2 99.6





#67

Ethyl Benzene

Concen: 19.748 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

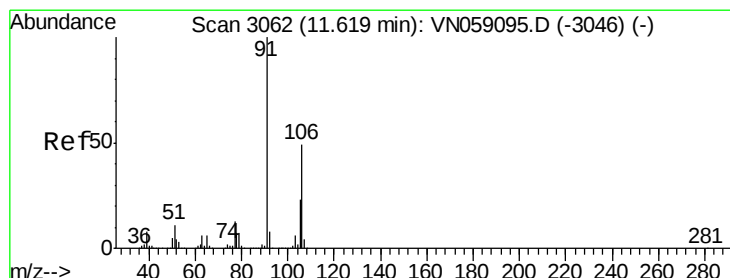
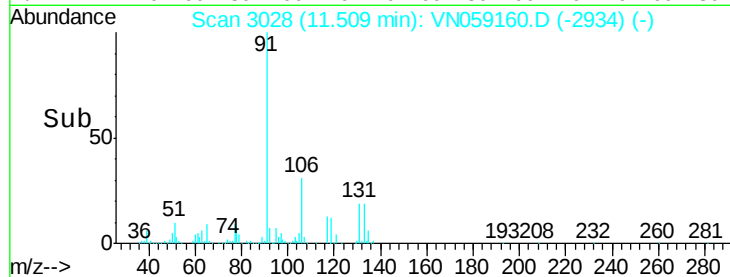
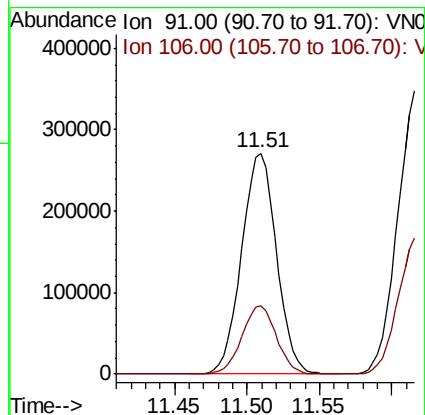
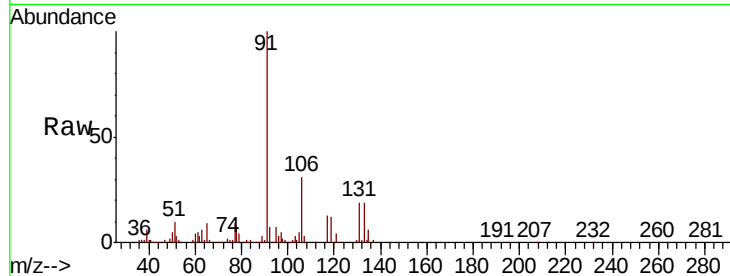
ClientSampled :

Tot Ion: 91 Resp: 454272

Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1



#68

m/p-Xylenes

Concen: 38.493 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059160.D

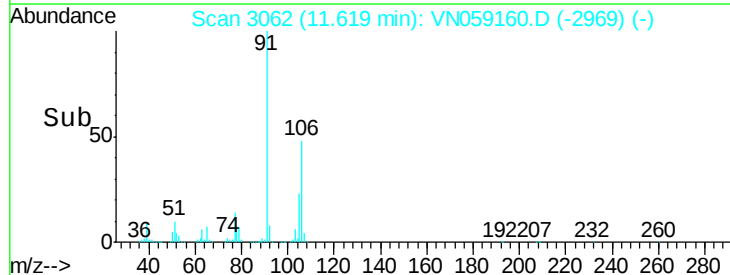
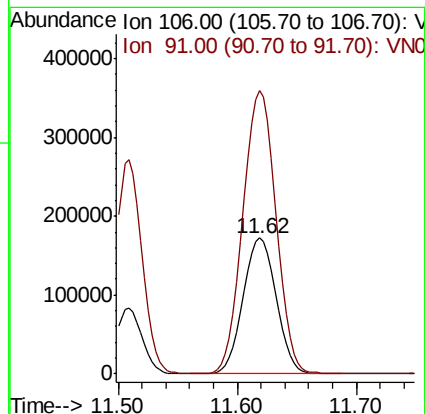
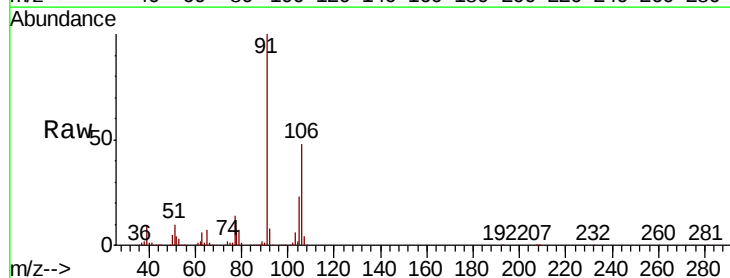
Acq: 11 Nov 2019 14:53

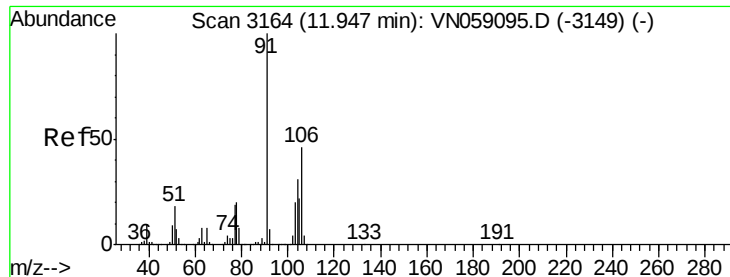
Tgt Ion: 106 Resp: 331694

Ion Ratio Lower Upper

106 100

91 208.5 164.7 247.1

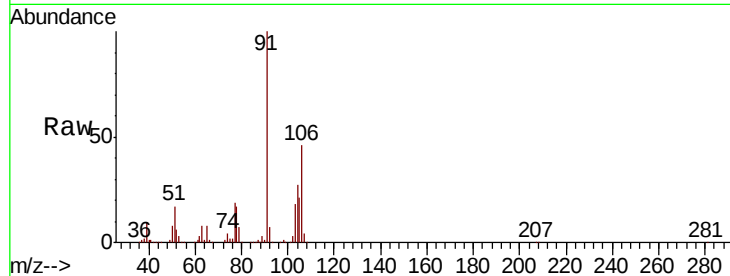




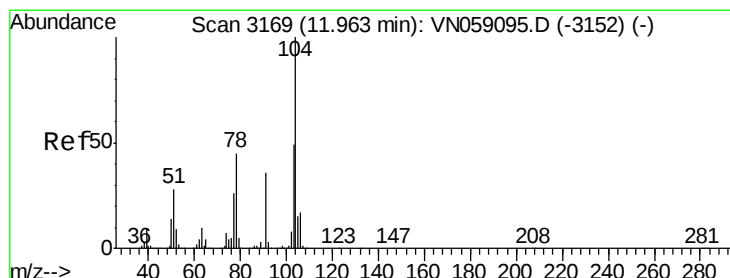
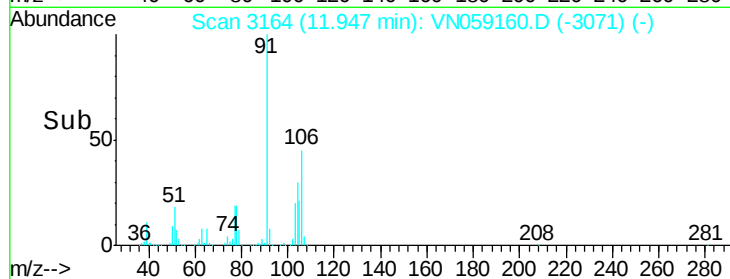
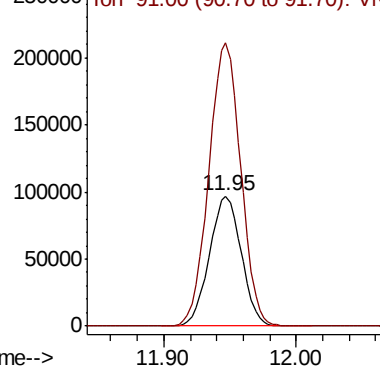
#69
o-Xylene
Concen: 19.427 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 161781
Ion Ratio Lower Upper
106 100
91 217.6 110.1 330.3

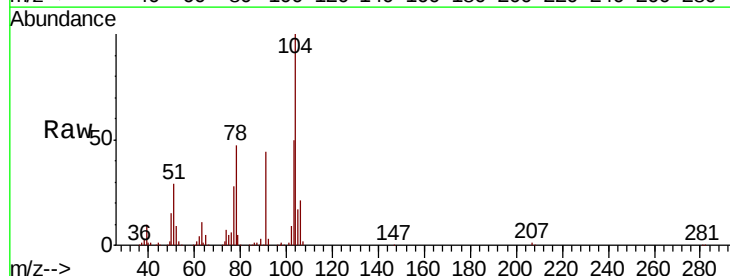


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

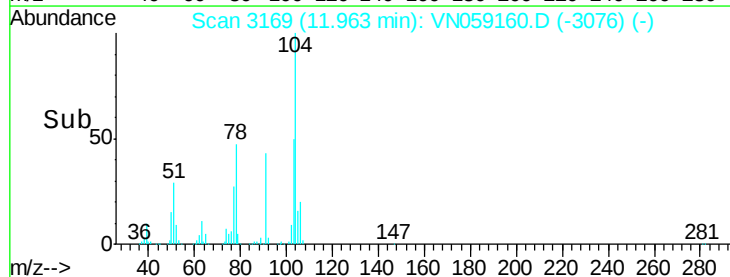
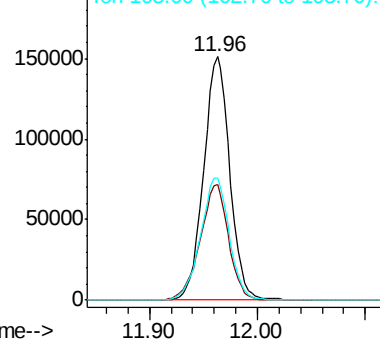


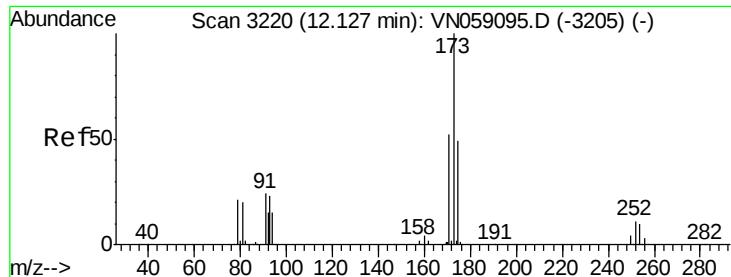
#70
Styrene
Concen: 19.553 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion:104 Resp: 256084
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 54.8 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.482 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

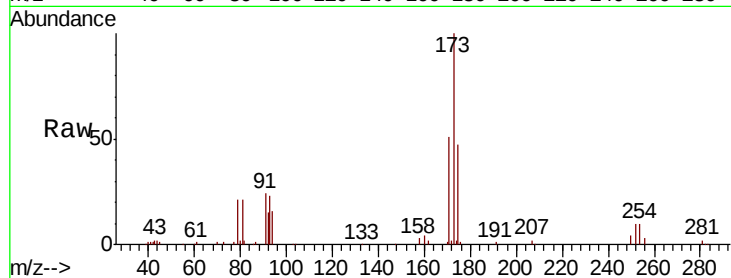
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:173 Resp: 73705

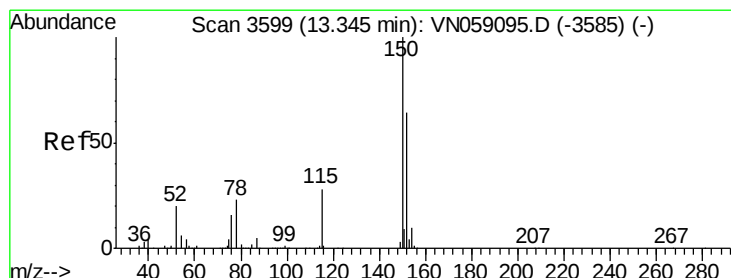
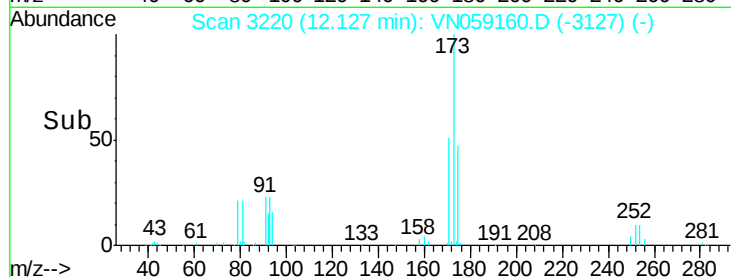
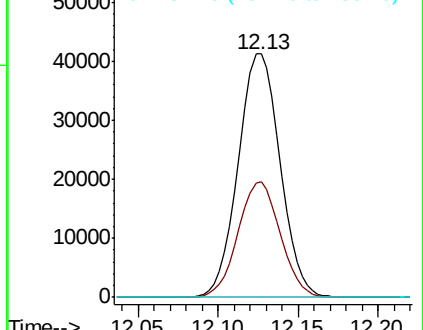
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.2	72.6
254	0.0	0.1	0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

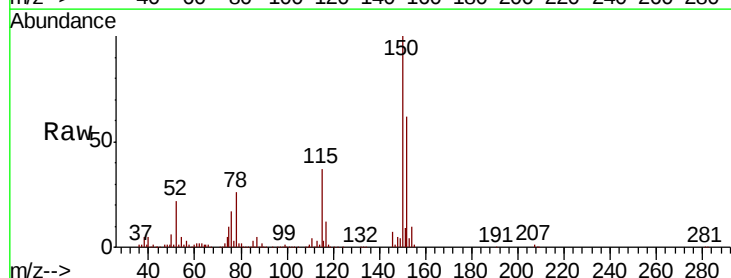
Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Tgt Ion:152 Resp: 291847

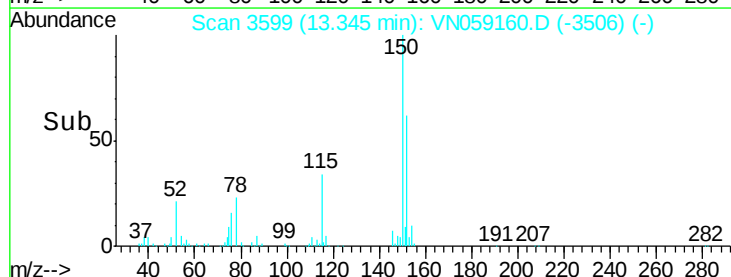
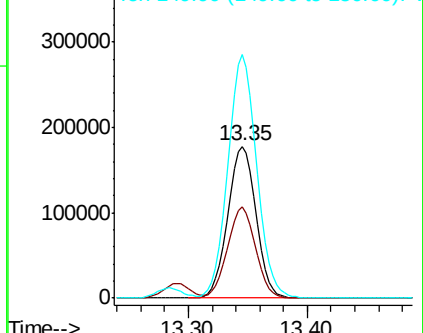
Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.4	88.2
150	163.5	0.0	345.8

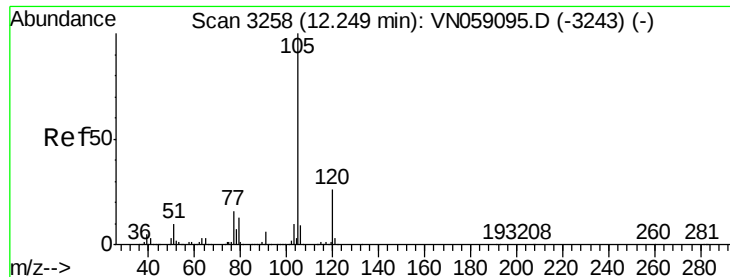


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.551 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

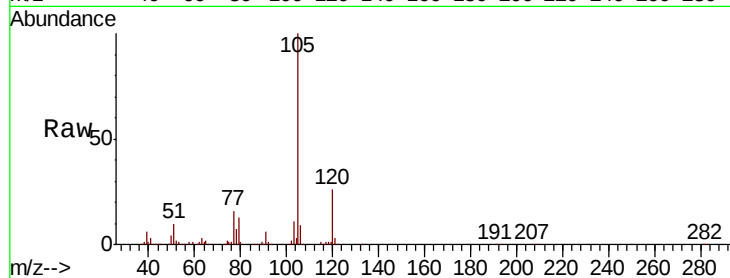
ClientSampleId :

Tot Ion:105 Resp: 436282

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

250000

200000

150000

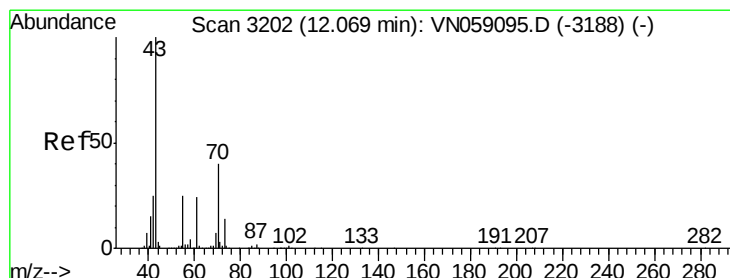
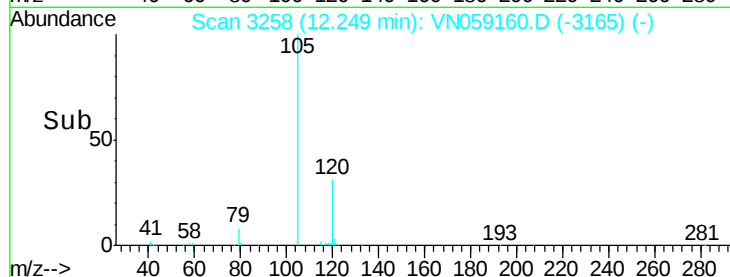
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 20.412 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Tgt Ion: 43 Resp: 183616

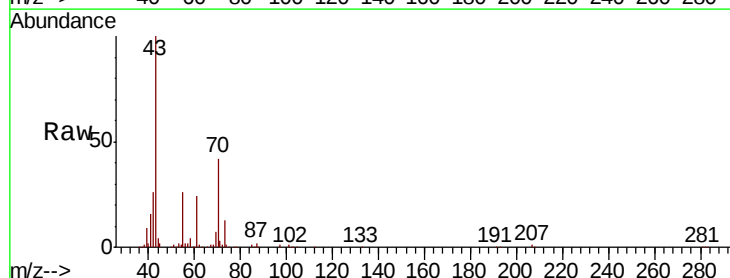
Ion Ratio Lower Upper

43 100

70 41.6 32.2 48.4

55 27.0 20.4 30.6

61 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

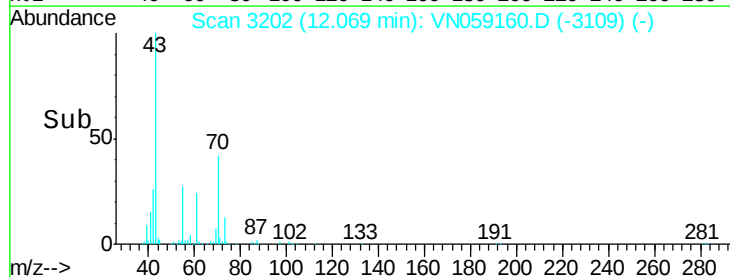
100000

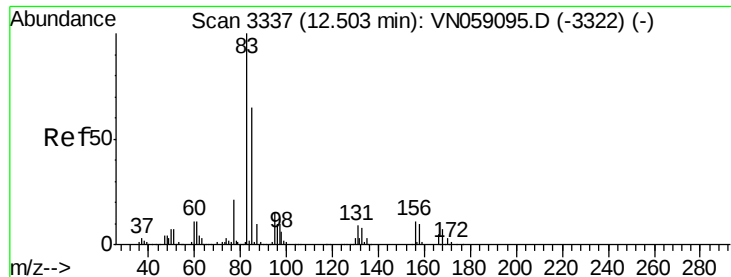
50000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 20.924 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

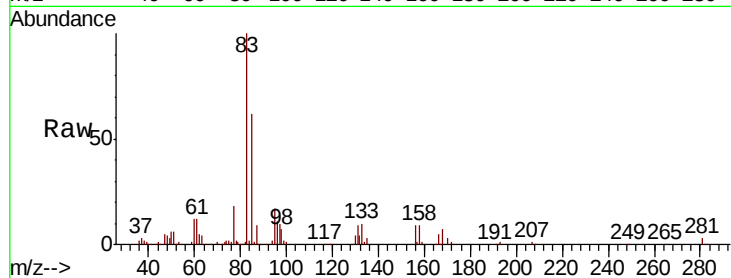
Tot Ion: 83 Resp: 151269

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

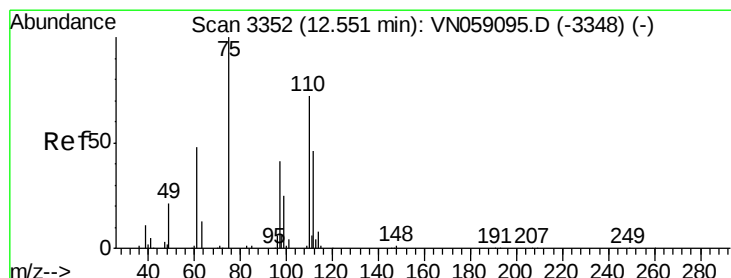
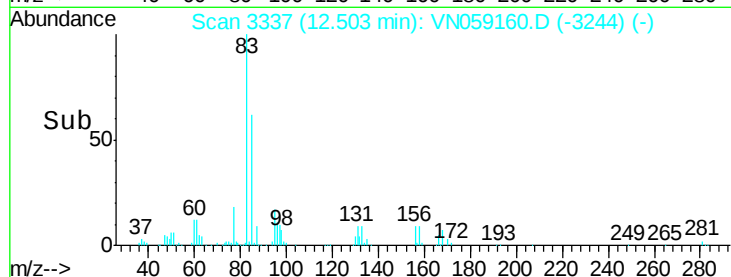
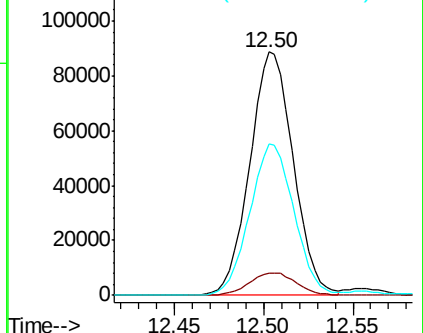
85 63.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059160.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059160.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059160.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 30.002 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059160.D

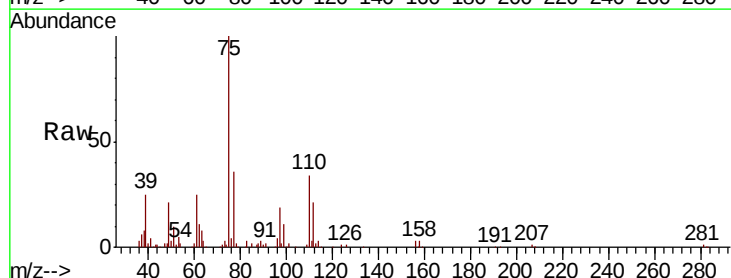
Acq: 11 Nov 2019 14:53

Tgt Ion: 75 Resp: 199345

Ion Ratio Lower Upper

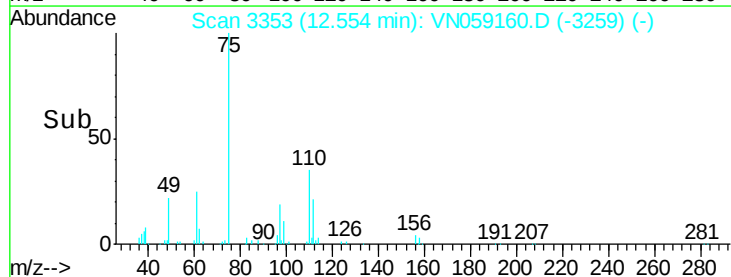
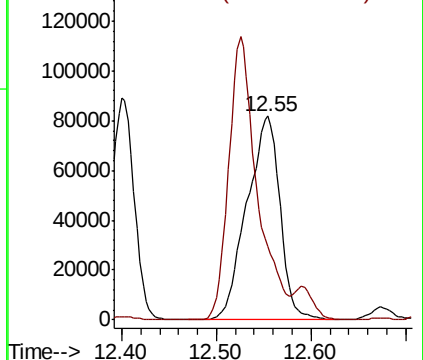
75 100

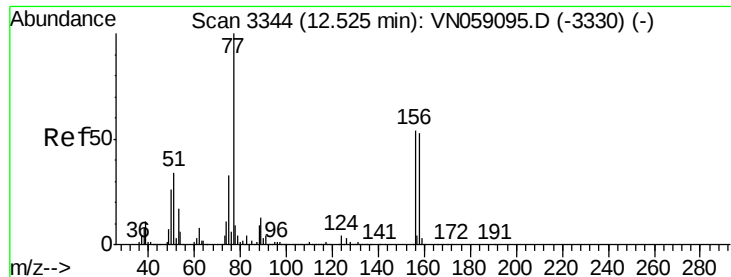
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059160.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059160.D (-3259) (-)





#77

Bromobenzene

Concen: 19.708 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

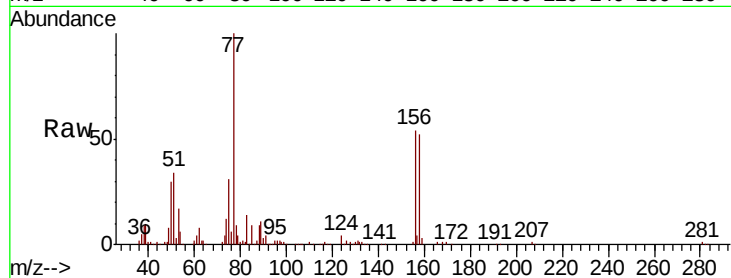
Tot Ion:156 Resp: 105117

Ion Ratio Lower Upper

156 100

77 226.6 112.8 338.3

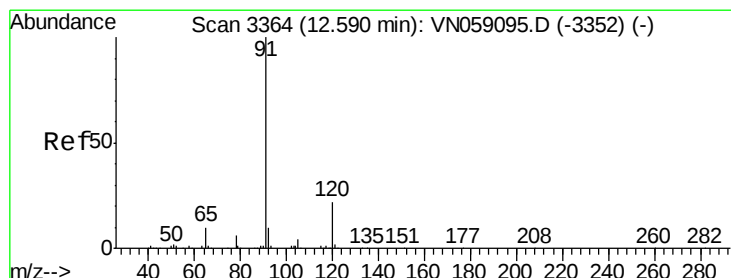
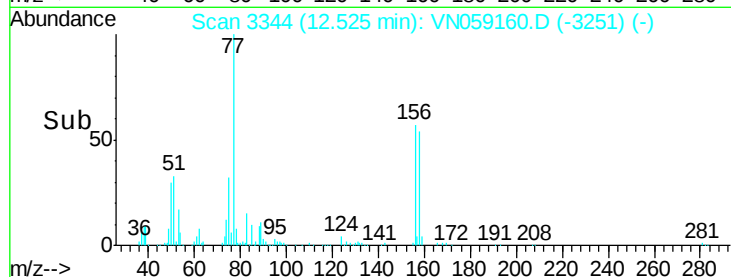
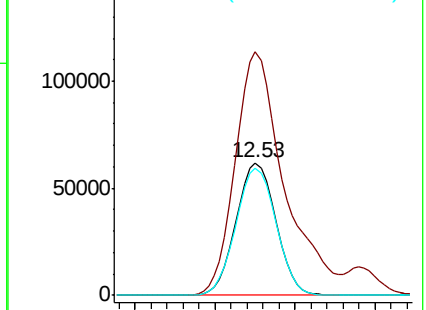
158 96.7 48.4 145.3



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: 20.432 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059160.D

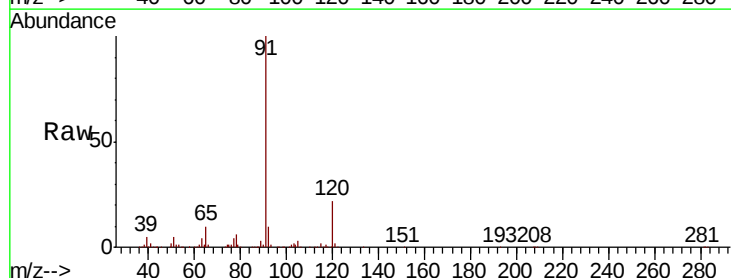
Acq: 11 Nov 2019 14:53

Tgt Ion: 91 Resp: 496633

Ion Ratio Lower Upper

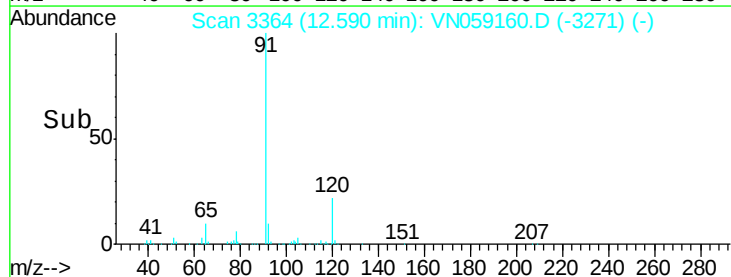
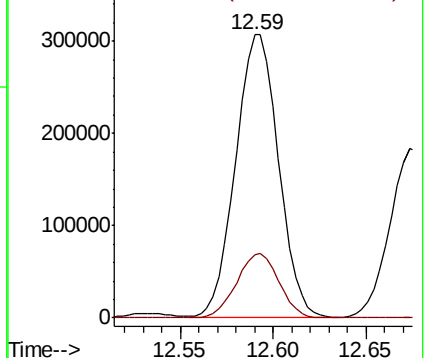
91 100

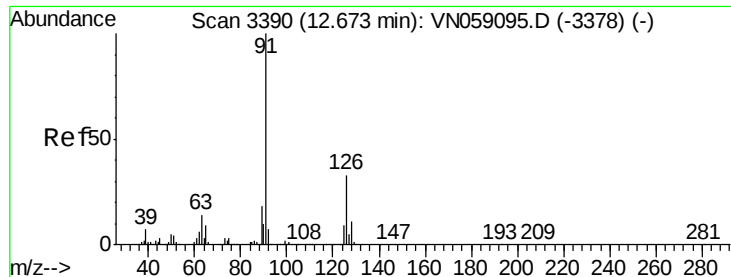
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.062 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

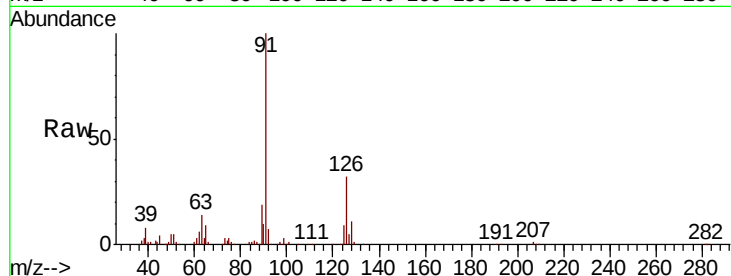
ClientSampled :

Tot Ion: 91 Resp: 302509

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059160.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059160.D (-3297) (-)

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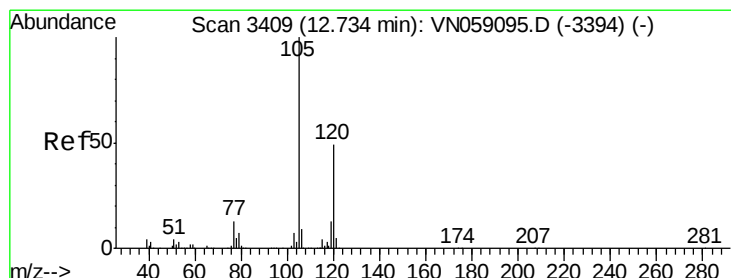
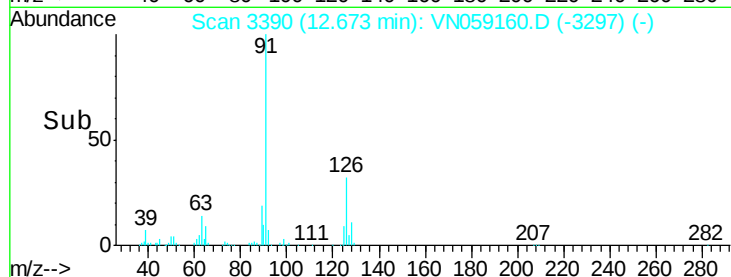
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#80

1,3,5-Trimethylbenzene

Concen: 20.021 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059160.D

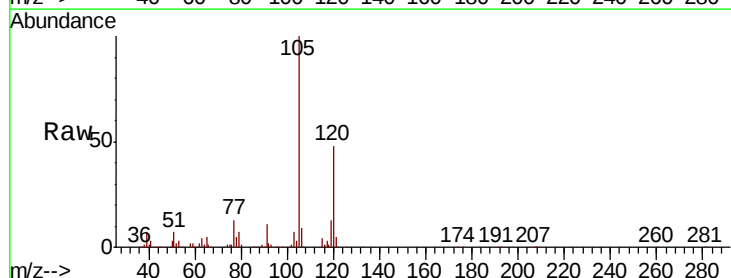
Acq: 11 Nov 2019 14:53

Tgt Ion:105 Resp: 360149

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059160.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059160.D (-3316) (-)

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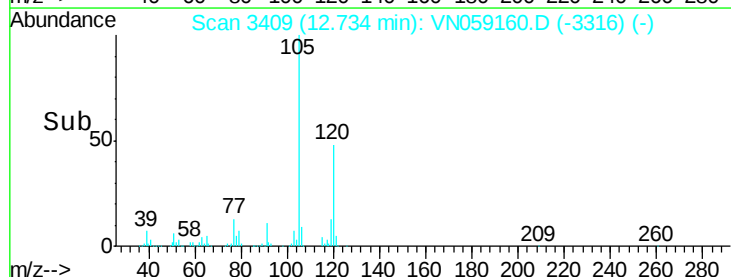
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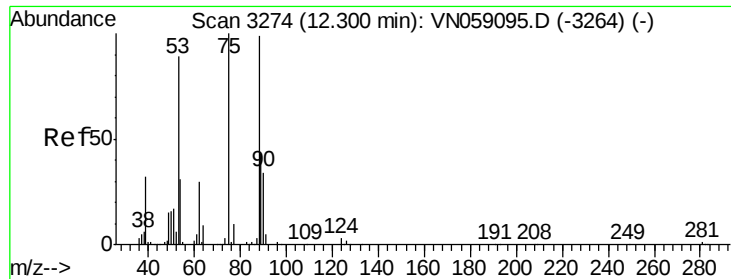
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#81

trans-1,4-Dichloro-2-butene

Concen: 19.476 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

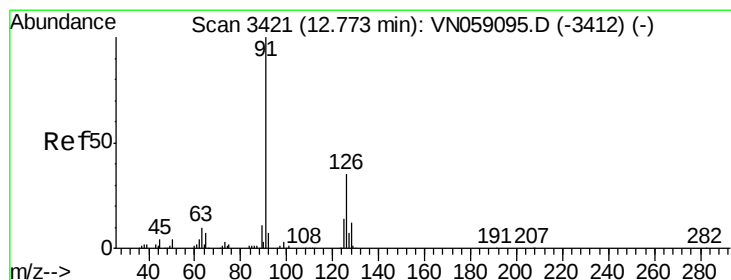
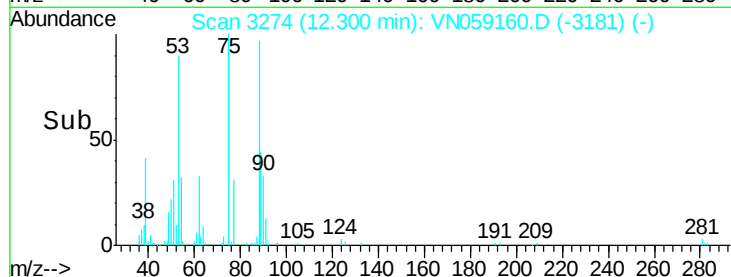
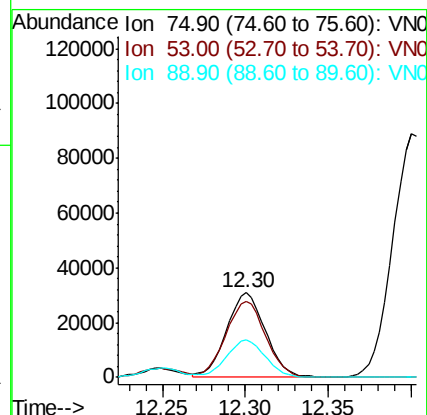
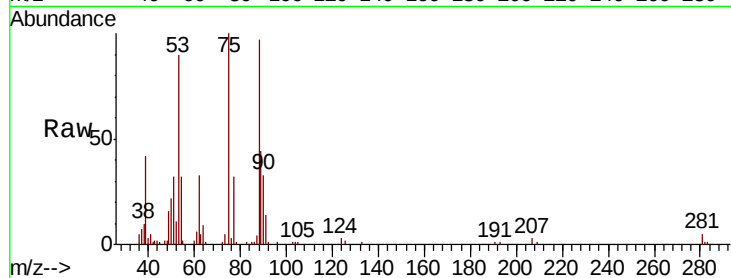
Tot Ion: 75 Resp: 48994

Ion Ratio Lower Upper

75 100

53 93.8 72.2 108.2

89 46.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.020 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059160.D

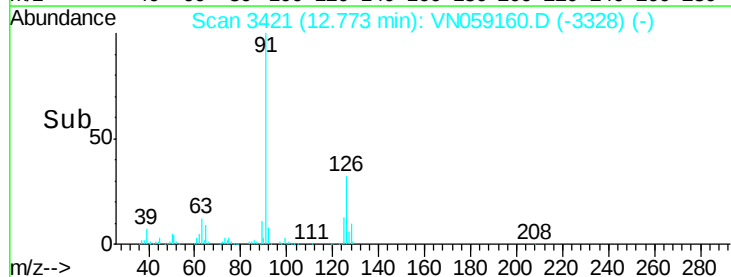
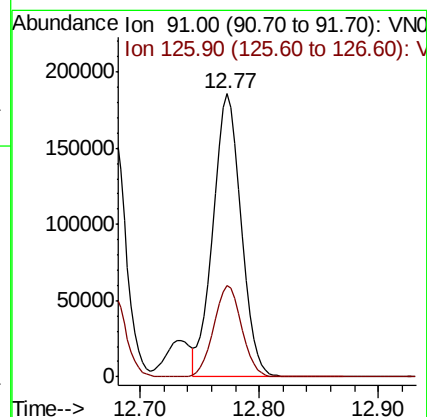
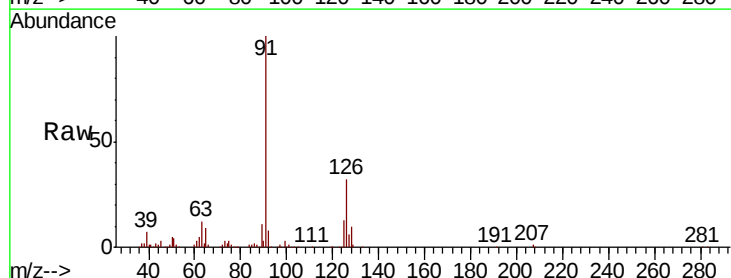
Acq: 11 Nov 2019 14:53

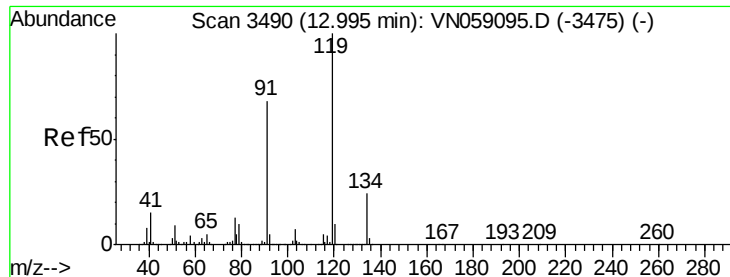
Tgt Ion: 91 Resp: 302787

Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.2





#83

tert-Butylbenzene

Concen: 20.008 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

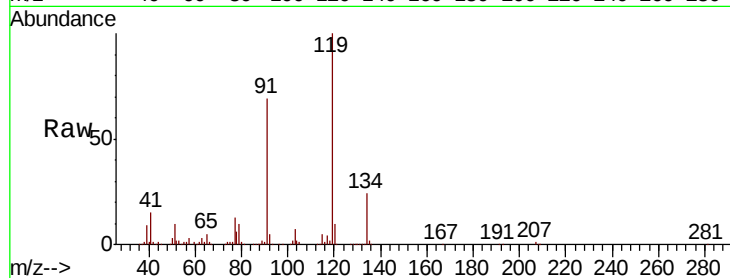
Tot Ion:119 Resp: 310807

Ion Ratio Lower Upper

119 100

91 66.9 33.2 99.6

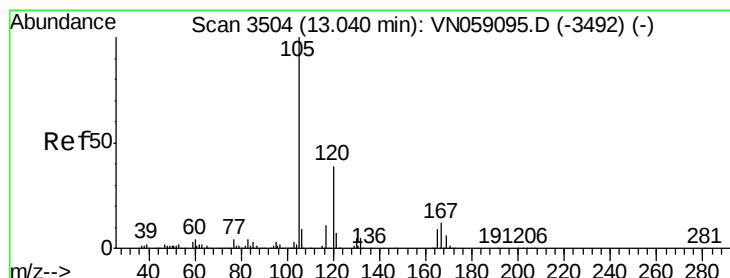
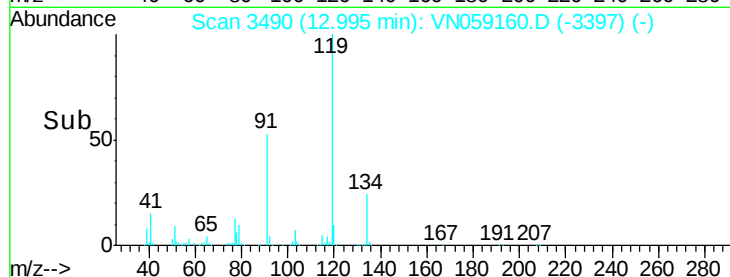
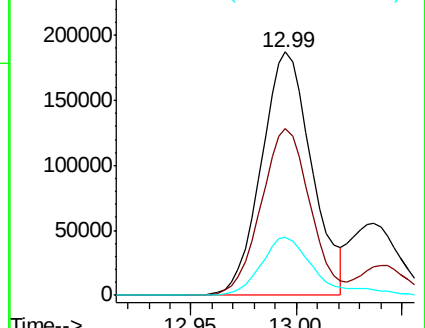
134 25.6 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.437 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059160.D

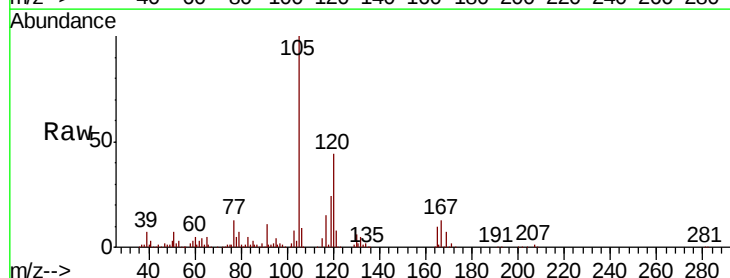
Acq: 11 Nov 2019 14:53

Tgt Ion:105 Resp: 355682

Ion Ratio Lower Upper

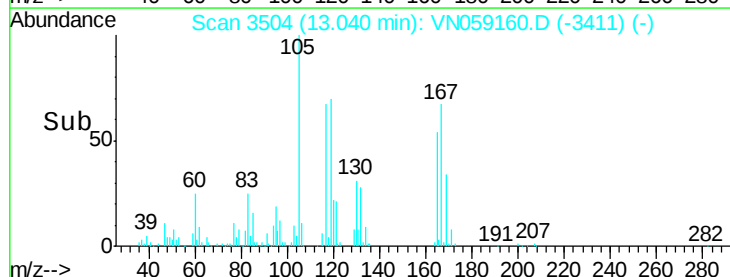
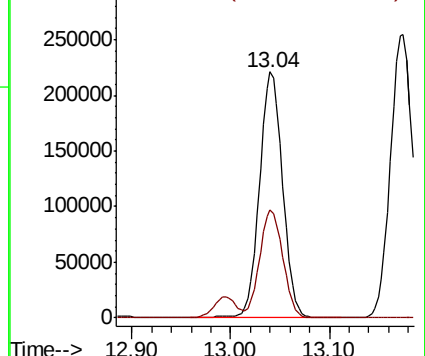
105 100

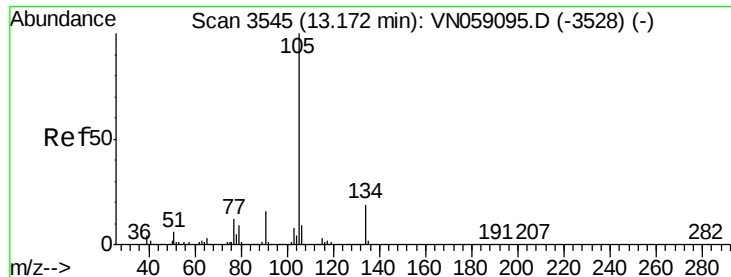
120 43.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.957 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

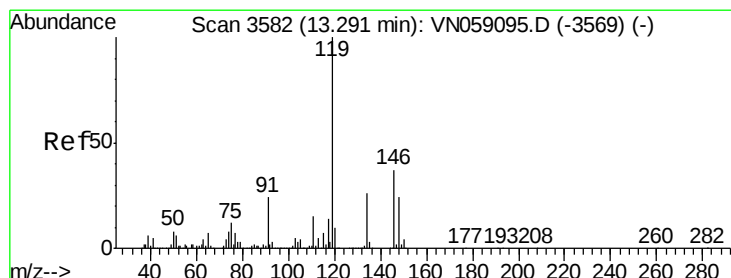
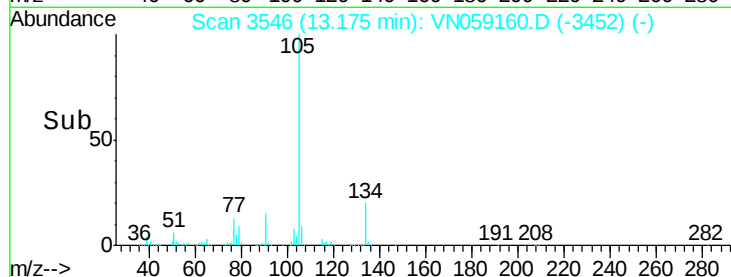
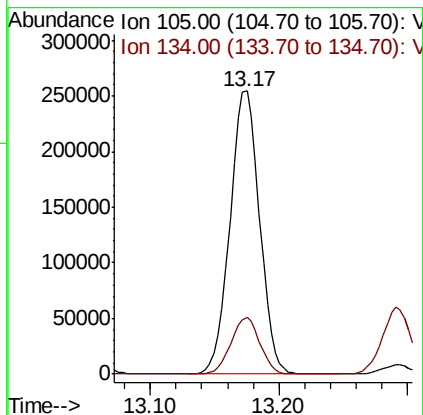
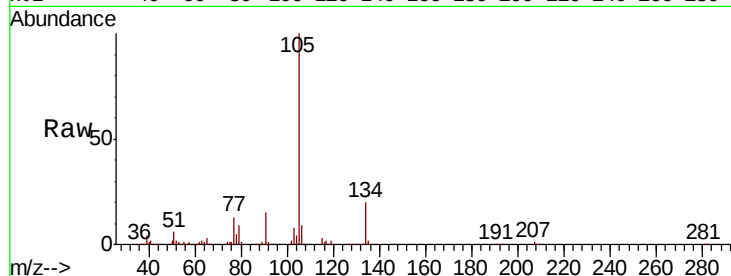
ClientSampled :

Tot Ion:105 Resp: 403198

Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1



#86

p-Isopropyltoluene

Concen: 19.877 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

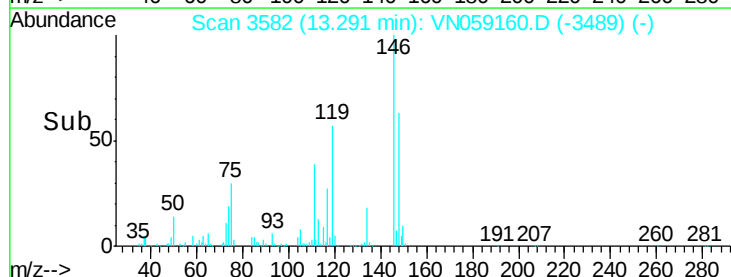
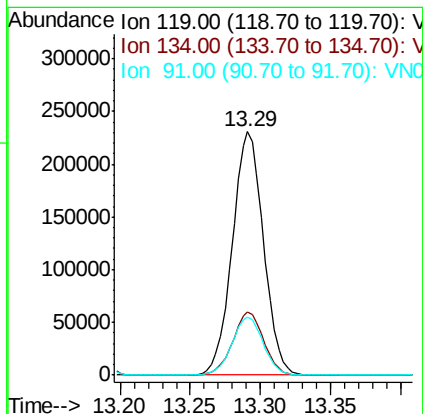
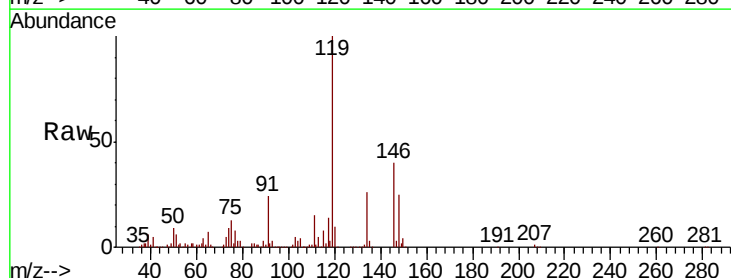
Tgt Ion:119 Resp: 354578

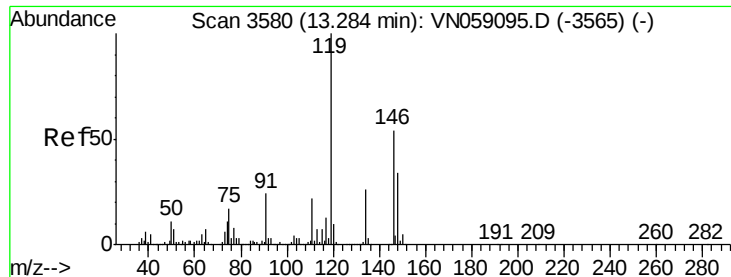
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 23.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.525 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

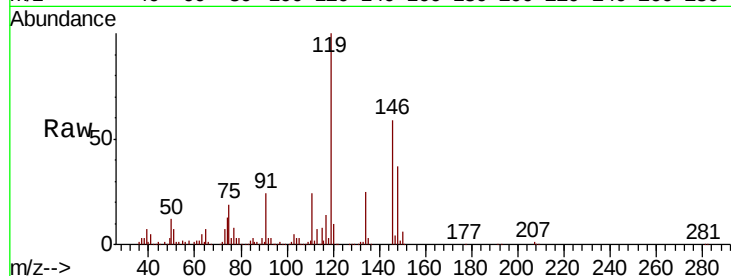
Tot Ion:146 Resp: 178326

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.3	32.2	96.6

146 100

111 40.4 20.4 61.3

148 63.3 32.2 96.6

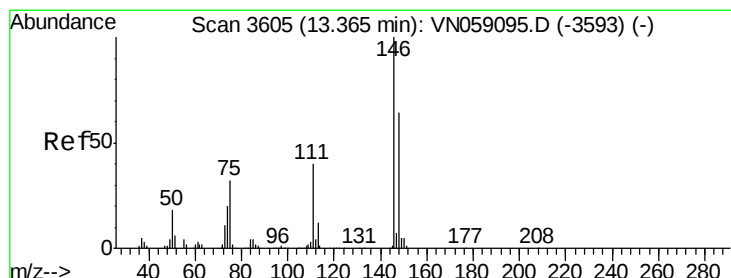
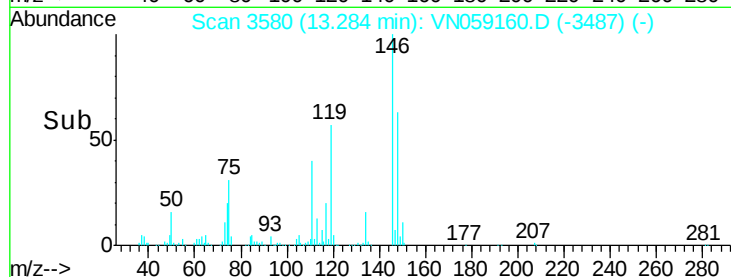
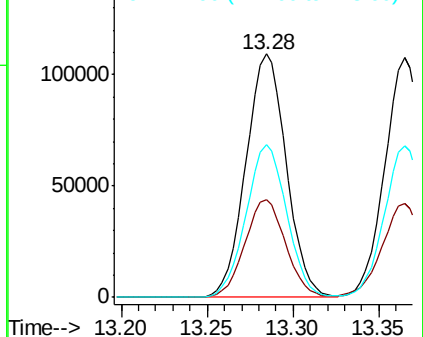


Abundance

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: 19.064 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

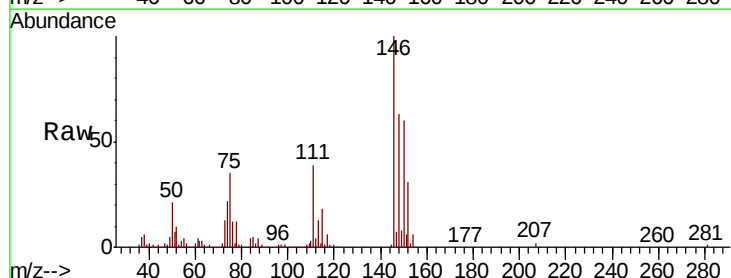
Tgt Ion:146 Resp: 174211

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	60.9
148	64.5	31.9	95.7

146 100

111 41.6 20.3 60.9

148 64.5 31.9 95.7

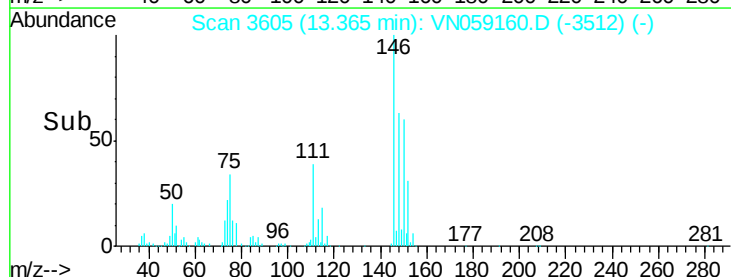
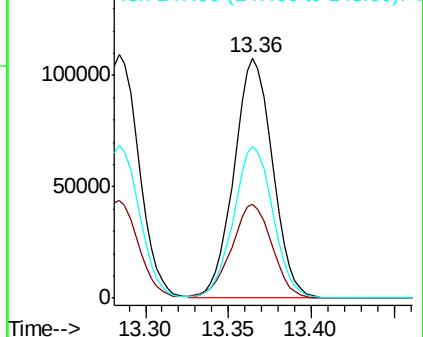


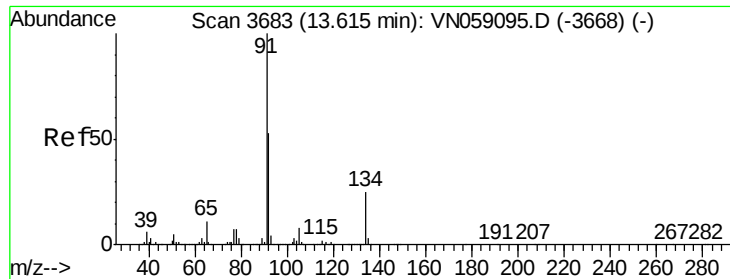
Abundance

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: 17.997 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

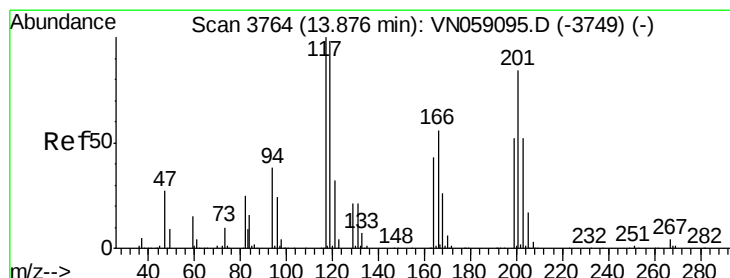
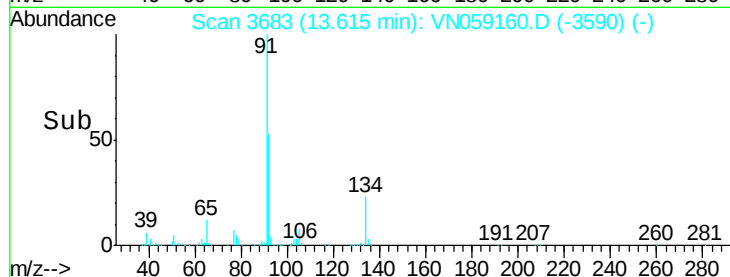
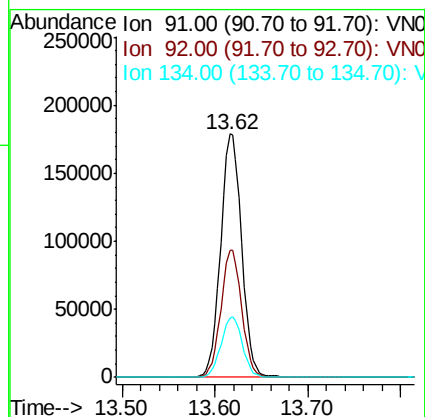
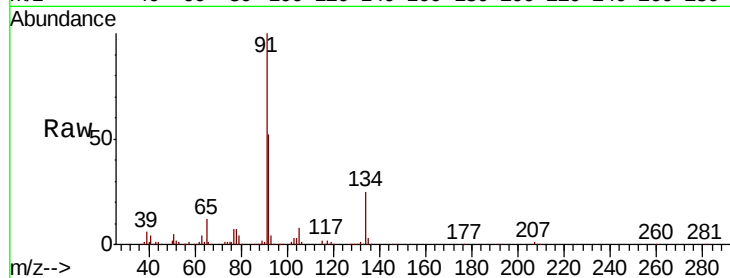
Tot Ion: 91 Resp: 280991

Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.3

134 25.1 12.6 37.8



#90

Hexachloroethane

Concen: 19.694 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059160.D

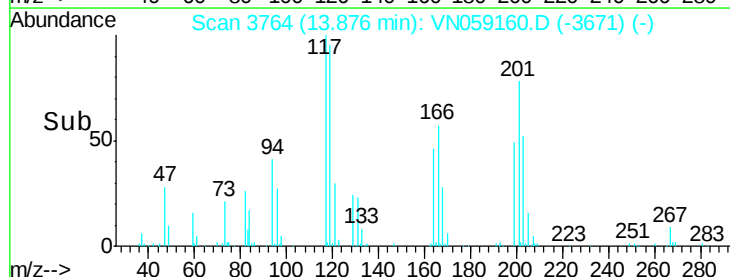
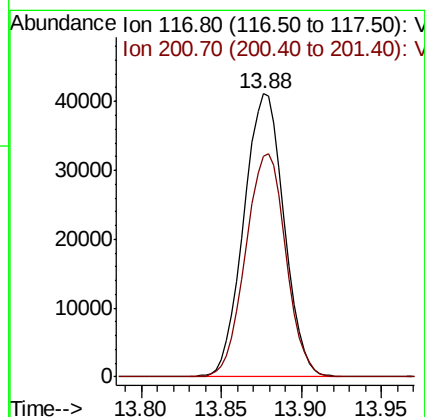
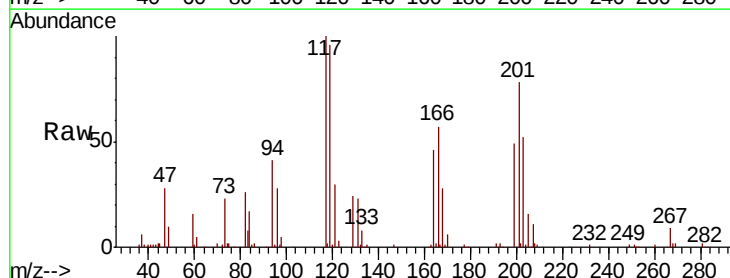
Acq: 11 Nov 2019 14:53

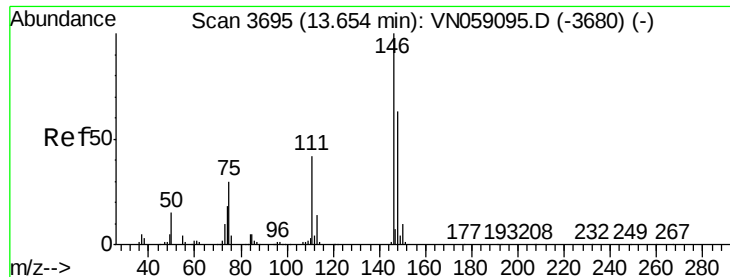
Tgt Ion: 117 Resp: 70544

Ion Ratio Lower Upper

117 100

201 78.8 41.8 125.3

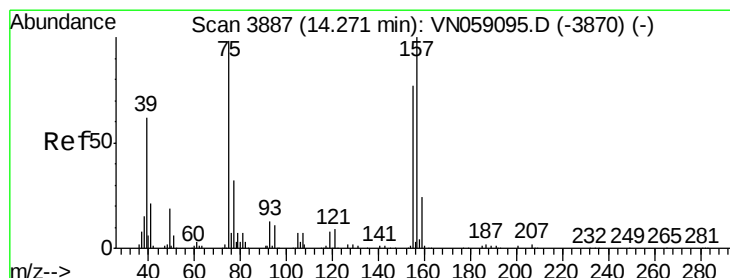
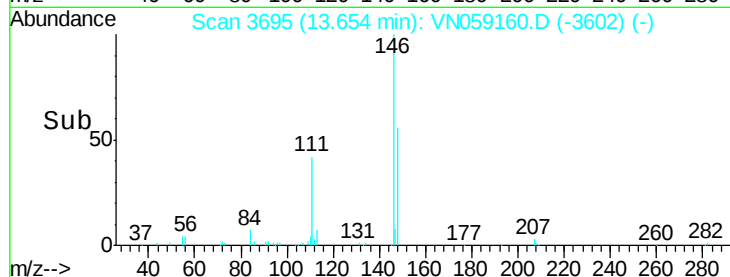
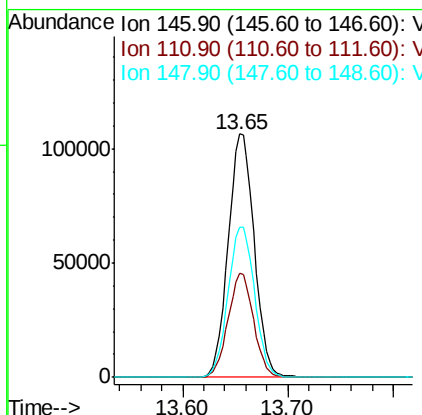
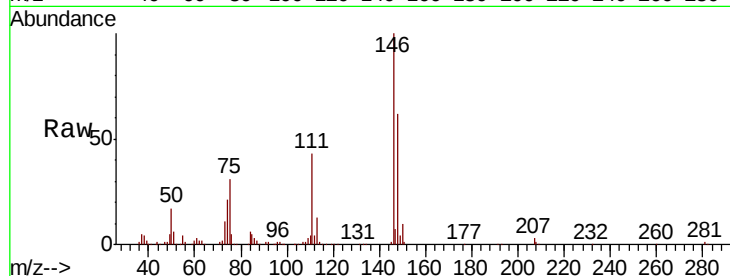




#91
 1,2-Dichlorobenzene
 Concen: 20.211 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

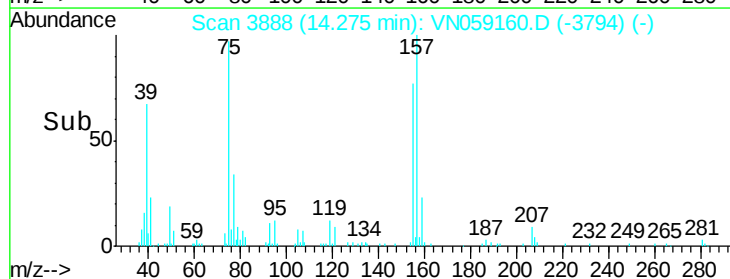
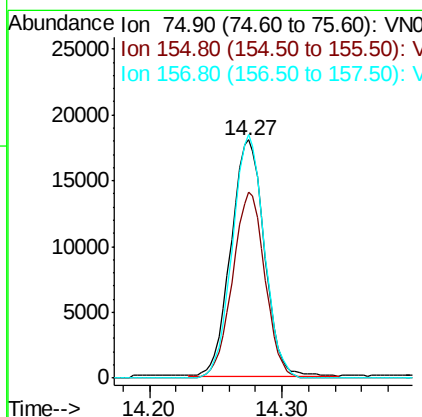
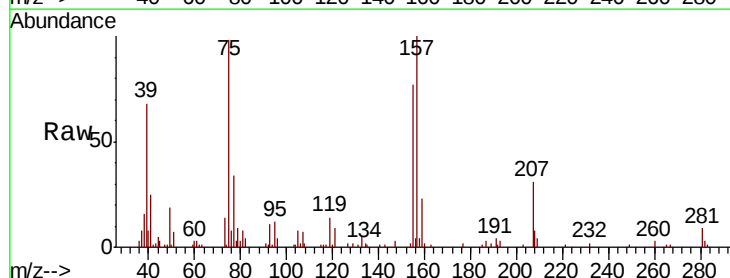
Instrument :
 MSVOA_N
 ClientSampled :

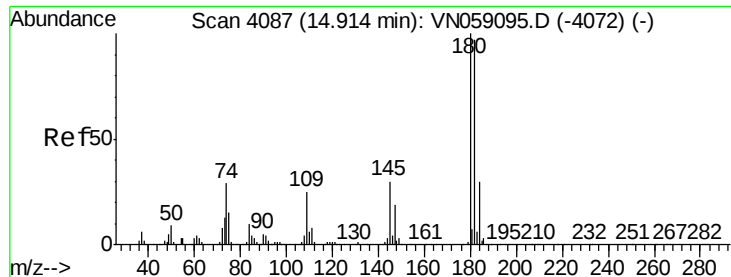
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	62.9	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.684 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	40.2	120.6
157	98.5	51.8	155.5

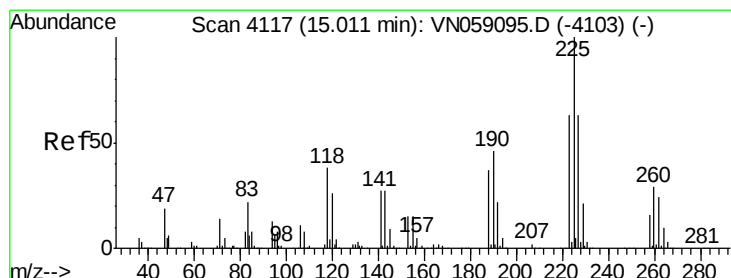
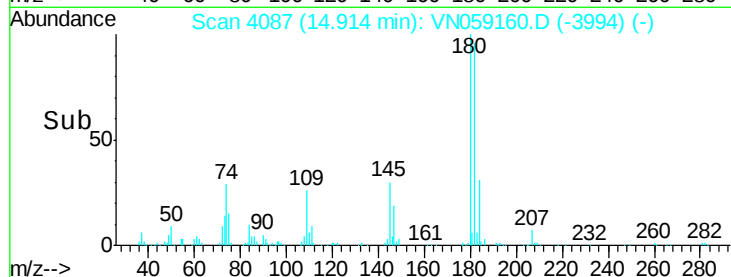
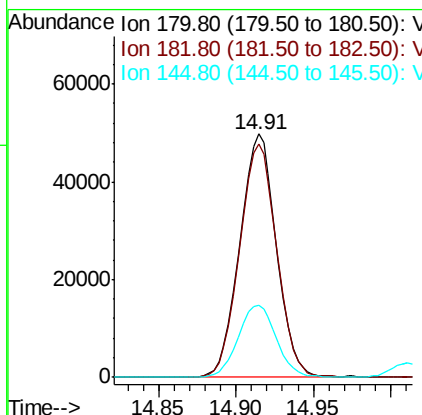
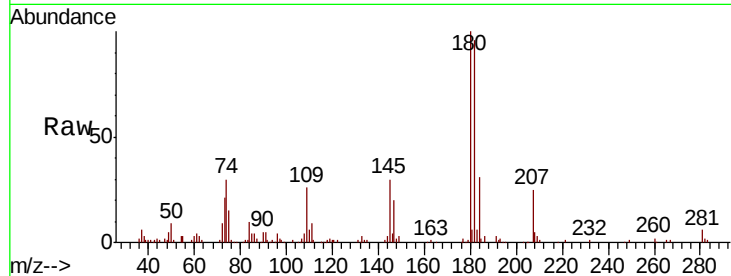




#93
 1,2,4-Trichlorobenzene
 Concen: 17.132 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

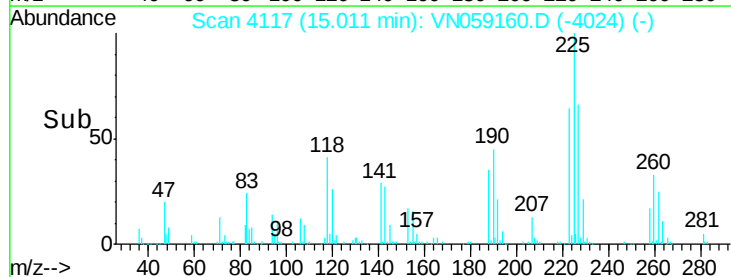
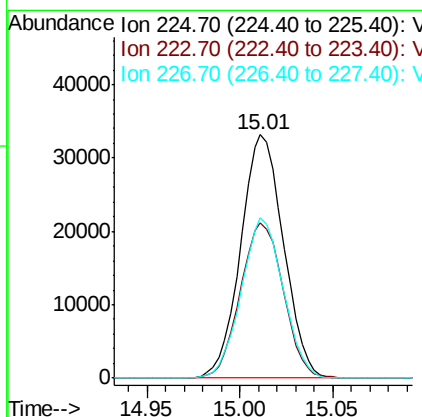
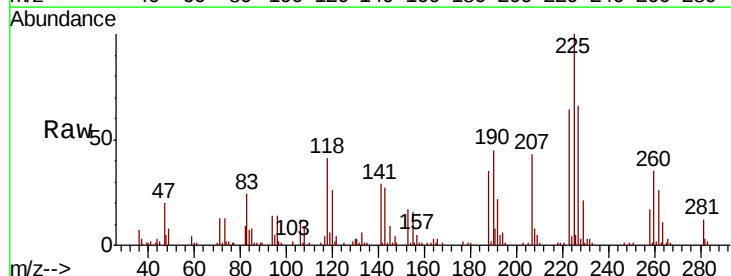
Instrument :
 MSVOA_N
 ClientSampleId :

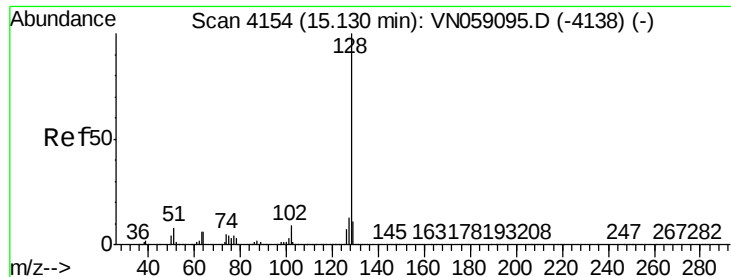
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.1	144.3
145	30.9	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 17.127 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.3	93.9
227	64.3	31.5	94.5





#95

Naphthalene

Concen: 17.746 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

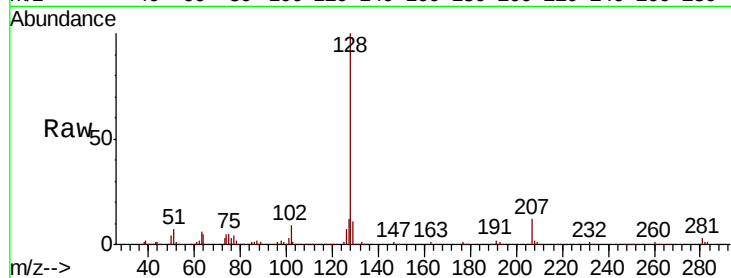
Tot Ion:128 Resp: 236751

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

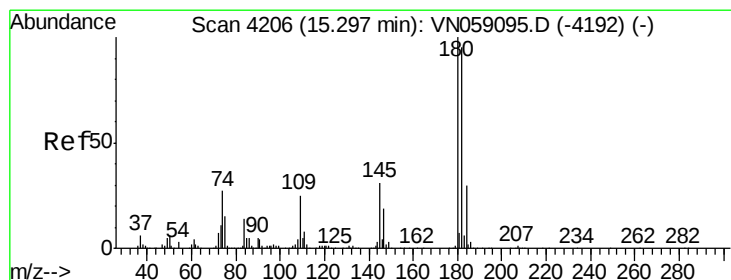
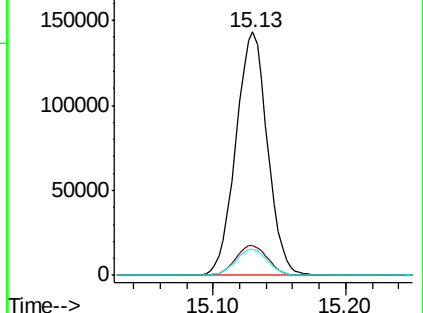
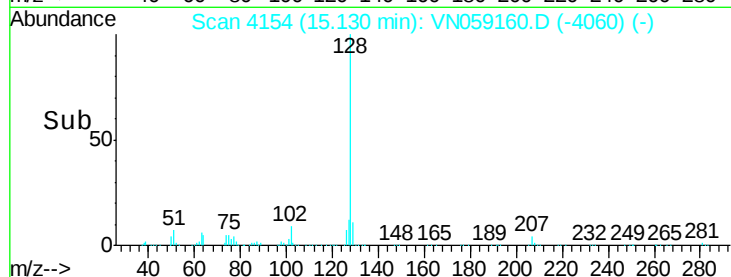
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.953 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

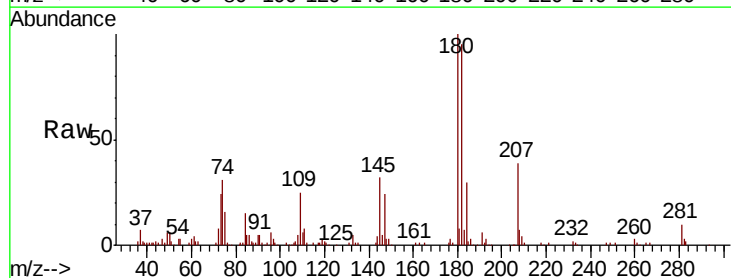
Tgt Ion:180 Resp: 85362

Ion Ratio Lower Upper

180 100

182 95.7 47.3 141.8

145 31.2 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

