

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059053.D
 Acq On : 1 Nov 2019 11:09
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:20:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	616375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	563540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	251298	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	117442	20.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.78%	
35) Dibromofluoromethane	7.57	113	87234	21.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.22%	
50) Toluene-d8	10.08	98	338470	21.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.98%	
62) 4-Bromofluorobenzene	12.40	95	117318	20.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.66%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	91418	19.324	ug/l 98
3) Chloromethane	2.04	50	118848	20.005	ug/l 98
4) Vinyl Chloride	2.17	62	116440	19.821	ug/l 99
5) Bromomethane	2.55	94	68371	18.915	ug/l 99
6) Chloroethane	2.69	64	70837	18.981	ug/l 99
7) Trichlorofluoromethane	3.00	101	142454	19.734	ug/l 100
8) Diethyl Ether	3.39	74	53762	20.943	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82018	20.133	ug/l 100
10) Methyl Iodide	3.93	142	94577	18.000	ug/l 98
11) Tert butyl alcohol	4.75	59	92104	96.933	ug/l 99
12) 1,1-Dichloroethene	3.72	96	80901	21.123	ug/l 94
13) Acrolein	3.58	56	56756	88.550	ug/l 99
14) Allyl chloride	4.30	41	142363	18.409	ug/l 90
15) Acrylonitrile	4.96	53	253310	106.715	ug/l 100
16) Acetone	3.79	43	296888	107.136	ug/l 97
17) Carbon Disulfide	4.03	76	251710	20.495	ug/l 97
18) Methyl Acetate	4.29	43	131412	20.484	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	274994	20.635	ug/l 99
20) Methylene Chloride	4.53	84	92778	19.343	ug/l 97
21) trans-1,2-Dichloroethene	5.02	96	84970	20.185	ug/l 99
22) Diisopropyl ether	5.92	45	313170	20.814	ug/l 95
23) Vinyl Acetate	5.87	43	1309716	108.901	ug/l 99
24) 1,1-Dichloroethane	5.82	63	175043	20.062	ug/l 98
25) 2-Butanone	6.81	43	370173	102.254	ug/l 97
26) 2,2-Dichloropropane	6.80	77	150050	19.956	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	96764	20.161	ug/l 98
28) Bromochloromethane	7.17	49	48463	16.932	ug/l 96
29) Tetrahydrofuran	7.19	42	235921	106.273	ug/l 99
30) Chloroform	7.35	83	165899	19.082	ug/l 98
31) Cyclohexane	7.63	56	161352	19.886	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	142491	19.491	ug/l 98
36) 1,1-Dichloropropene	7.77	75	128172	20.651	ug/l 99
37) Ethyl Acetate	6.91	43	147029	21.700	ug/l 99
38) Carbon Tetrachloride	7.75	117	124849	19.556	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	145657	20.722	ug/l	97
40) Benzene	8.02	78	381418	20.840	ug/l	100
41) Methacrylonitrile	7.18	41	204663	66.663	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	135432	19.505	ug/l	97
43) Isopropyl Acetate	8.15	43	220633	20.264	ug/l	99
44) Trichloroethene	8.82	130	92413	20.681	ug/l	99
45) 1,2-Dichloropropane	9.10	63	103719	20.680	ug/l	100
46) Dibromomethane	9.19	93	65311	20.680	ug/l	96
47) Bromodichloromethane	9.39	83	130413	20.084	ug/l	99
48) Methyl methacrylate	9.19	41	97631	19.891	ug/l	99
49) 1,4-Dioxane	9.18	88	30247	366.418	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	700487	110.678	ug/l	98
52) Toluene	10.15	92	227843	21.035	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	145110	20.130	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	157715	20.426	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	91252	20.420	ug/l	97
56) Ethyl methacrylate	10.42	69	134659	20.410	ug/l	97
57) 1,3-Dichloropropane	10.70	76	157007	20.100	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	268398	96.745	ug/l	99
59) 2-Hexanone	10.75	43	521197	106.758	ug/l	98
60) Dibromochloromethane	10.90	129	97581	20.314	ug/l	99
61) 1,2-Dibromoethane	11.00	107	92528	20.275	ug/l	99
64) Tetrachloroethene	10.63	164	81577	20.902	ug/l	99
65) Chlorobenzene	11.43	112	235740	20.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88698	20.728	ug/l	100
67) Ethyl Benzene	11.51	91	426715	21.468	ug/l	99
68) m/p-Xylenes	11.62	106	317292	43.103	ug/l	99
69) o-Xylene	11.95	106	148884	21.149	ug/l	99
70) Styrene	11.96	104	239922	20.900	ug/l	99
71) Bromoform	12.13	173	69056	20.711	ug/l #	98
73) Isopropylbenzene	12.25	105	404301	22.203	ug/l	100
74) N-amyl acetate	12.07	43	174607	21.286	ug/l	98
75) 1,1,1,2-Tetrachloroethane	12.51	83	138694	21.667	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	184426	31.642	ug/l #	100
77) Bromobenzene	12.53	156	96297	21.423	ug/l	97
78) n-propylbenzene	12.59	91	467679	21.754	ug/l	100
79) 2-Chlorotoluene	12.68	91	282393	21.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	340566	22.336	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47604	21.319	ug/l	97
82) 4-Chlorotoluene	12.78	91	284195	21.166	ug/l	100
83) tert-Butylbenzene	13.00	119	285942	21.898	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	340514	22.656	ug/l	100
85) sec-Butylbenzene	13.17	105	380191	21.887	ug/l	100
86) p-Isopropyltoluene	13.29	119	341131	22.223	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	169443	21.141	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	165135	20.593	ug/l	99
89) n-Butylbenzene	13.62	91	290411	20.720	ug/l	98
90) Hexachloroethane	13.88	117	64599	20.733	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	168665	21.451	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28320	19.787	ug/l	94

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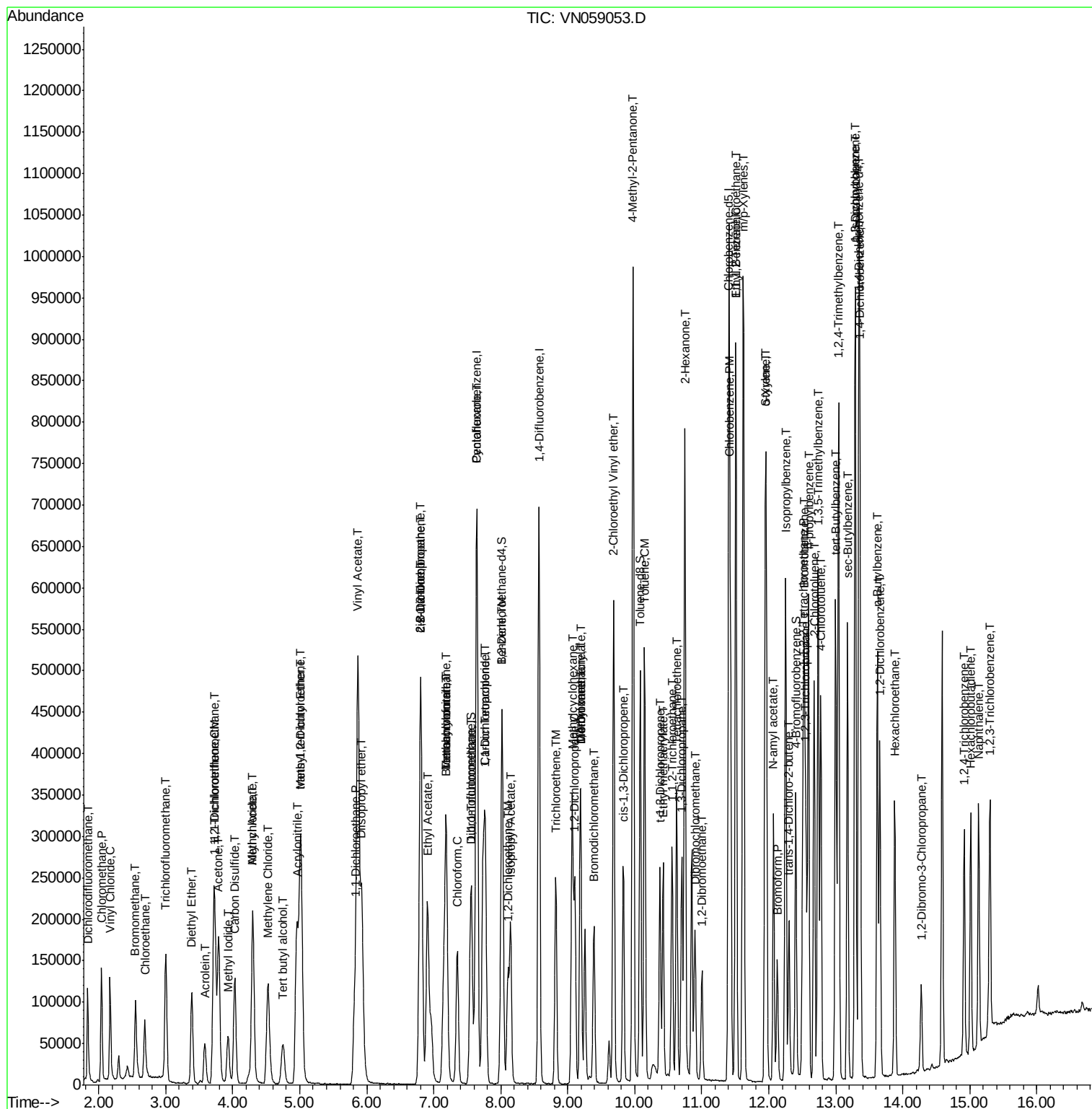
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	86129	19.956	ug/l	100
94) Hexachlorobutadiene	15.01	225	55641	21.722	ug/l	99
95) Naphthalene	15.13	128	235809	19.725	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	88471	20.830	ug/l	99

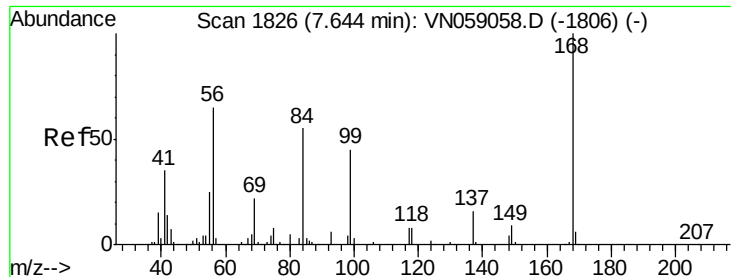
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

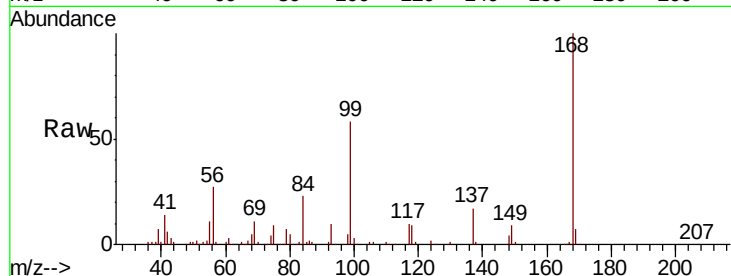
ClientSampled :

Tot Ion:168 Resp: 391096

Ion Ratio Lower Upper

168 100

99 57.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

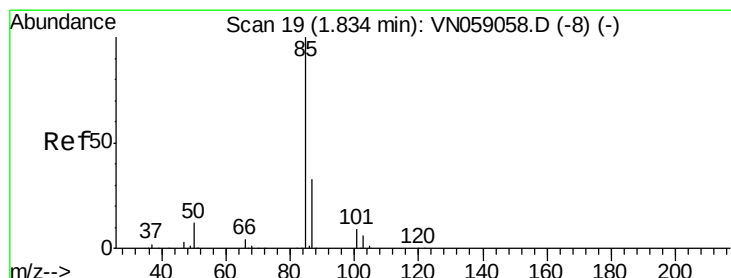
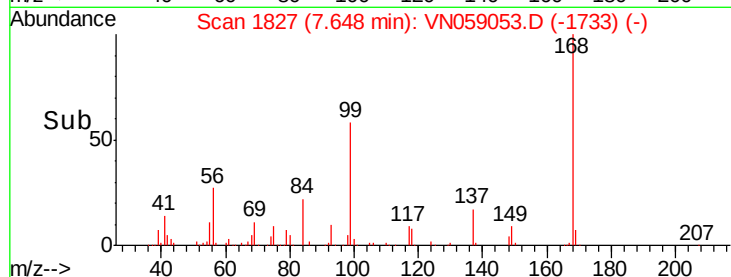
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 19.324 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059053.D

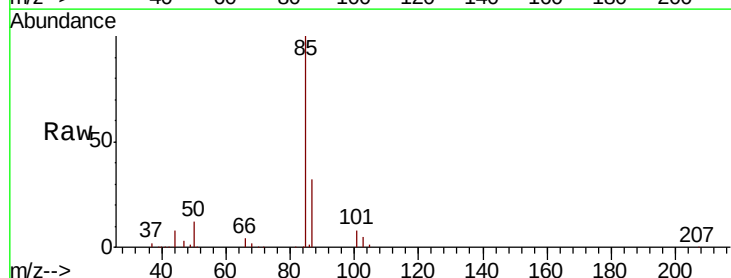
Acq: 1 Nov 2019 11:09

Tgt Ion: 85 Resp: 91418

Ion Ratio Lower Upper

85 100

87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

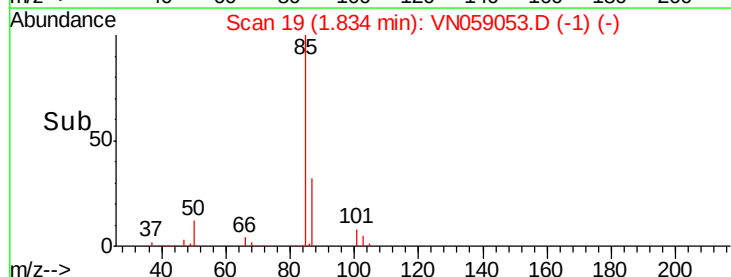
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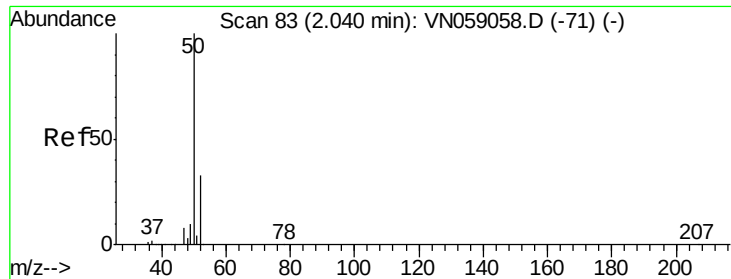
40000

20000

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Time--> 1.75 1.80 1.85 1.90 1.95

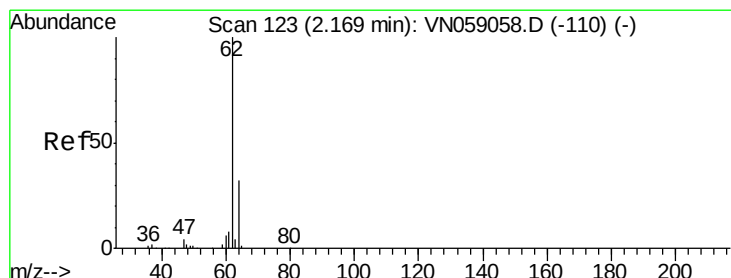
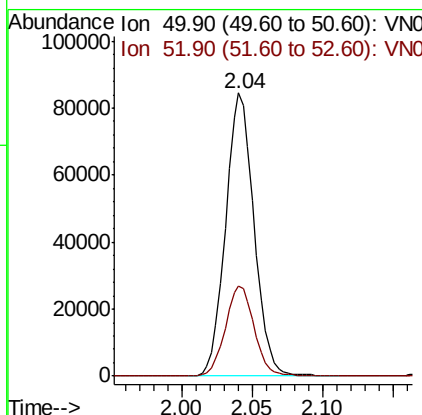
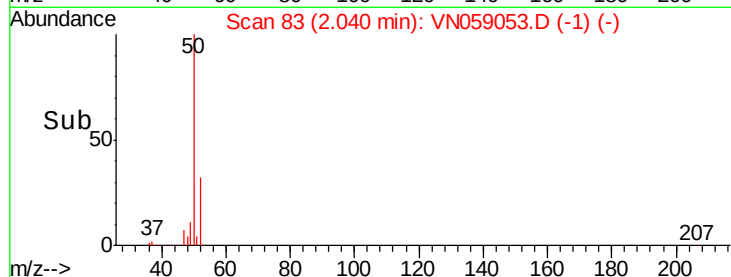
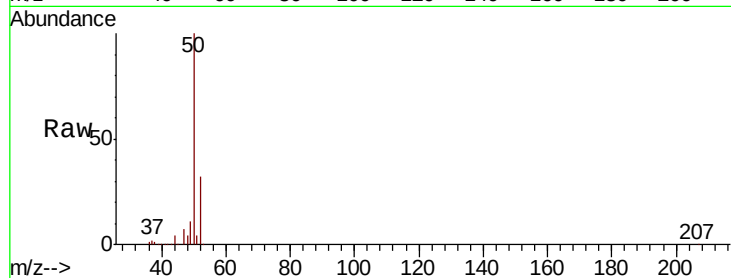




#3
Chloromethane
Concen: 20.005 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

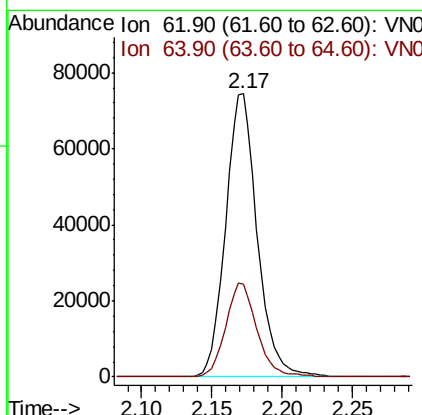
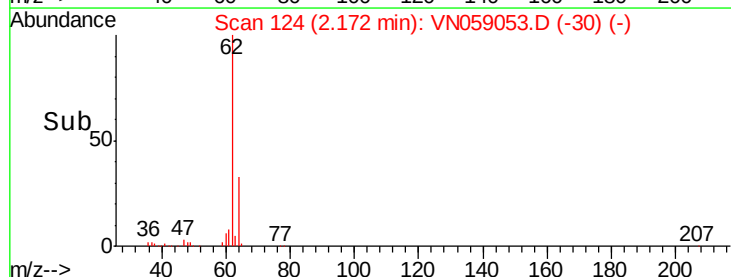
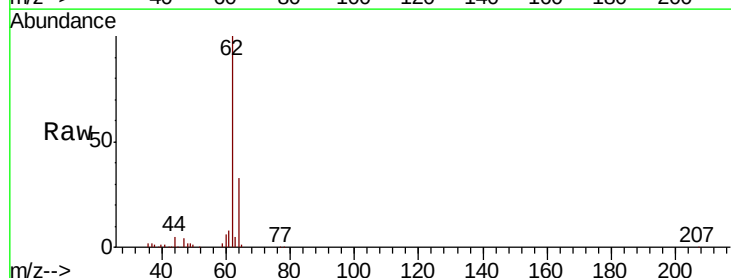
Instrument :
MSVOA_N
ClientSampleId :

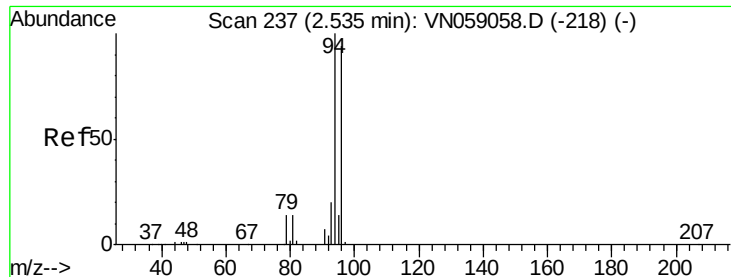
Tot Ion: 50 Resp: 118848
Ion Ratio Lower Upper
50 100
52 32.0 26.3 39.5



#4
Vinyl Chloride
Concen: 19.821 ug/l
RT: 2.17 min Scan# 124
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 62 Resp: 116440
Ion Ratio Lower Upper
62 100
64 32.9 25.8 38.8





#5

Bromomethane

Concen: 18.915 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

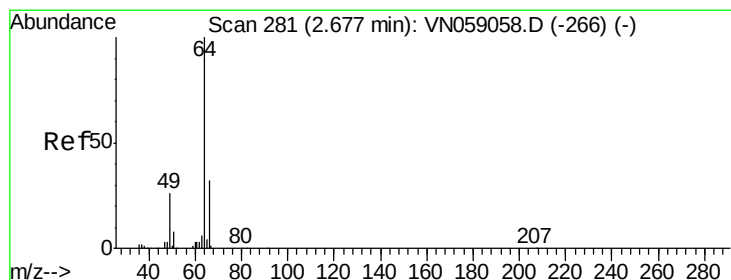
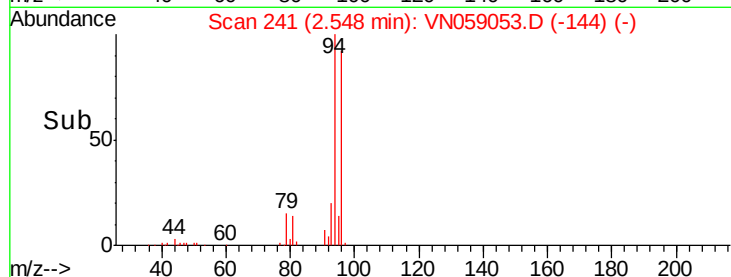
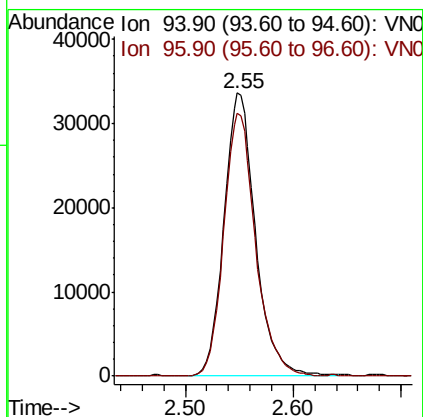
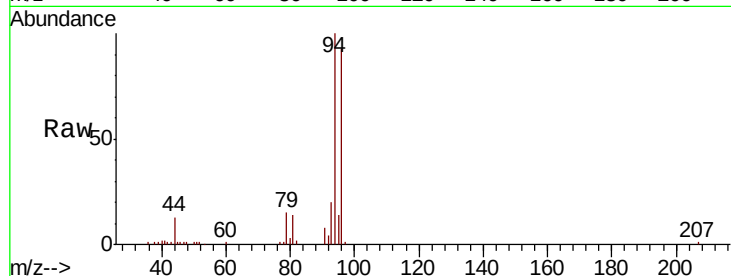
ClientSampleId :

Tot Ion: 94 Resp: 68371

Ion Ratio Lower Upper

94 100

96 92.7 75.1 112.7



#6

Chloroethane

Concen: 18.981 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059053.D

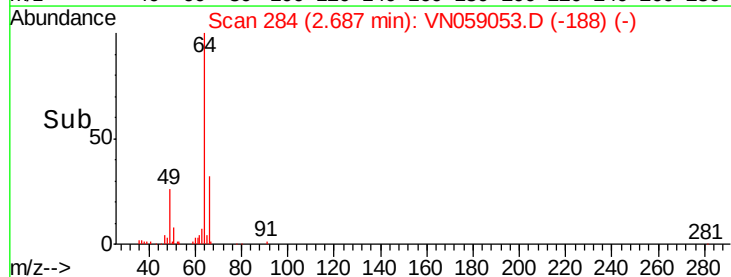
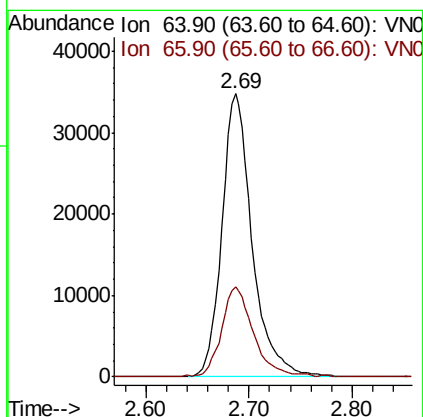
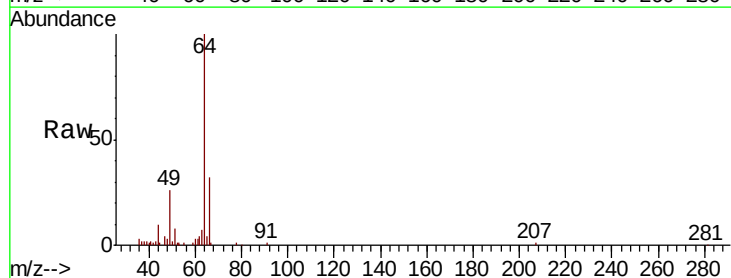
Acq: 1 Nov 2019 11:09

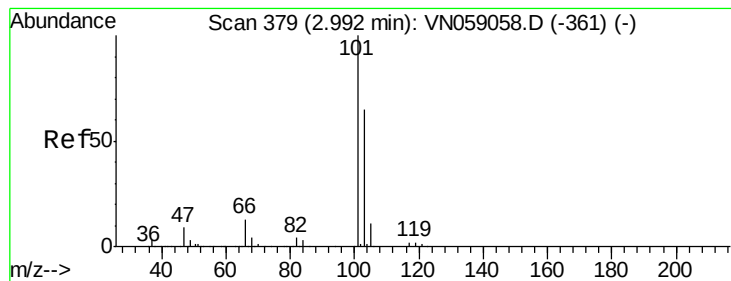
Tgt Ion: 64 Resp: 70837

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



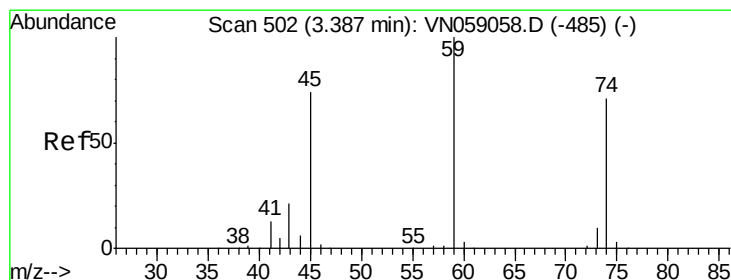
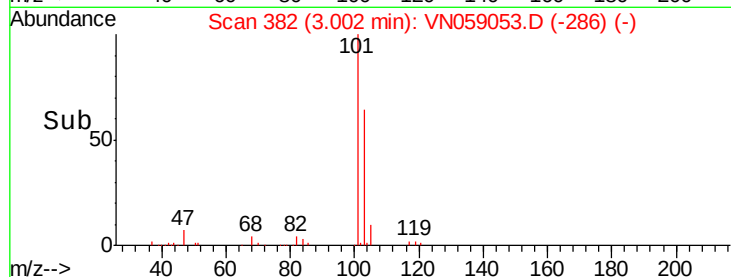
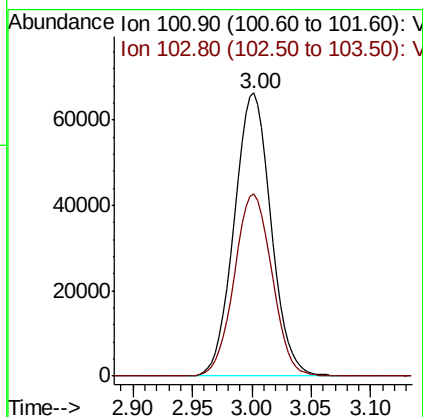
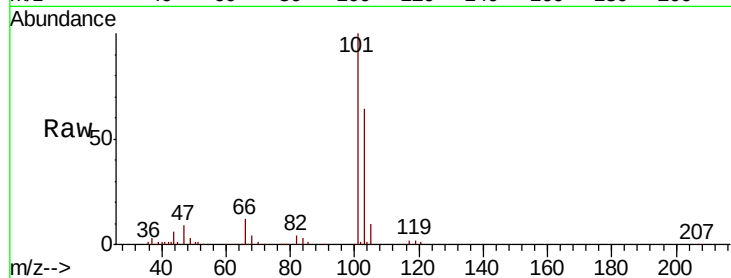


#7

Trichlorofluoromethane
Concen: 19.734 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Instrument :
MSVOA_N
ClientSampled :

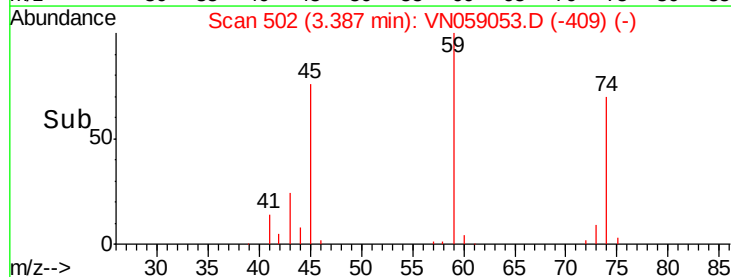
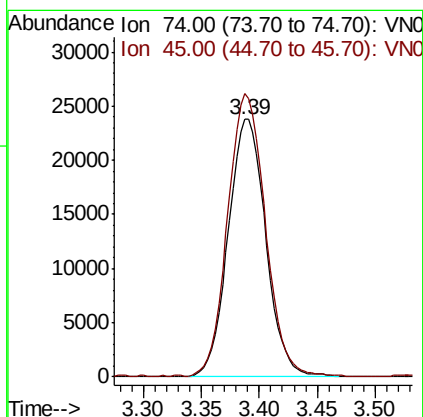
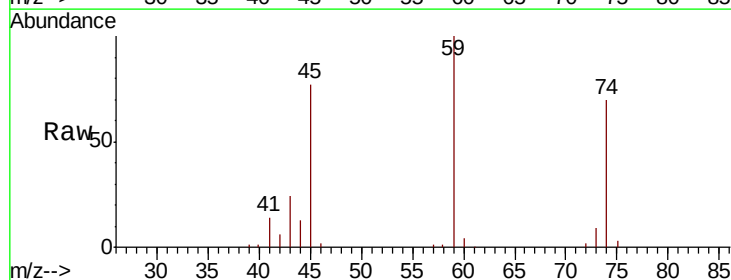
Tot Ion:101 Resp: 142454
Ion Ratio Lower Upper
101 100
103 64.3 51.7 77.5

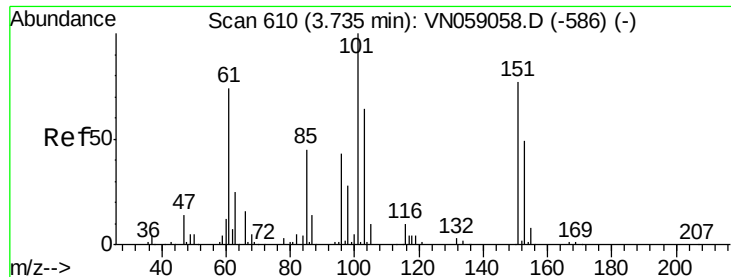


#8

Diethyl Ether
Concen: 20.943 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 74 Resp: 53762
Ion Ratio Lower Upper
74 100
45 110.4 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.133 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

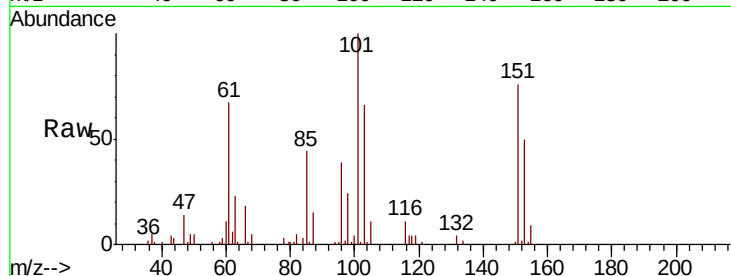
Tot Ion:101 Resp: 82018

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.6

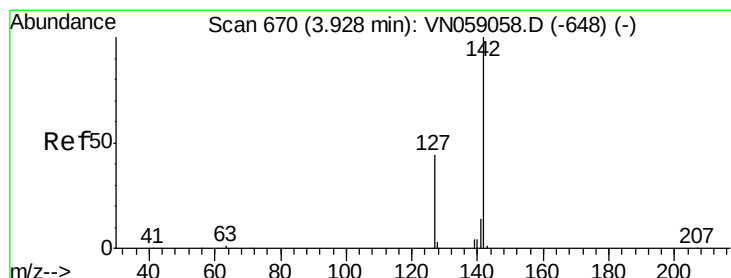
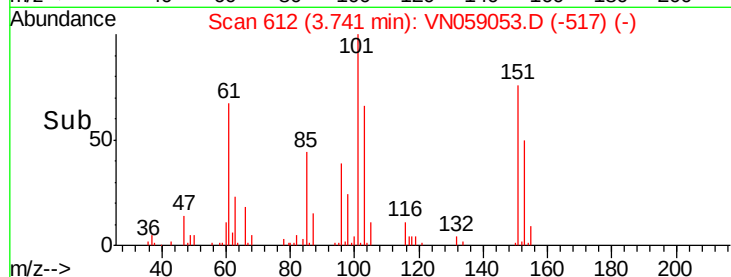
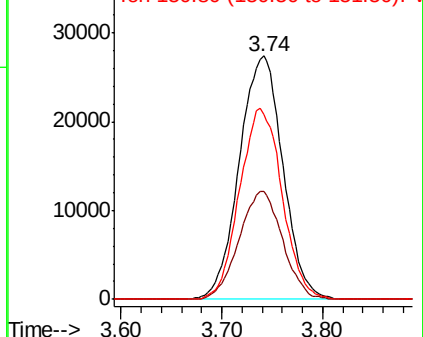
151 76.5 61.3 91.9



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: 18.000 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

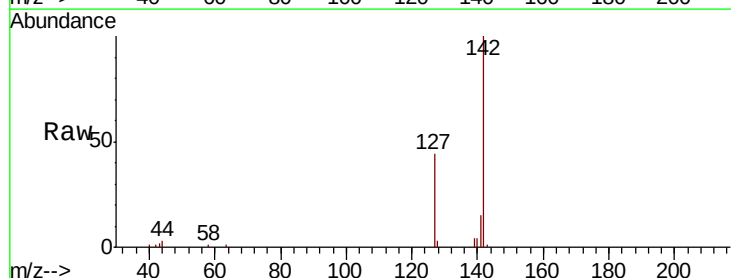
Tgt Ion:142 Resp: 94577

Ion Ratio Lower Upper

142 100

127 44.5 34.2 51.2

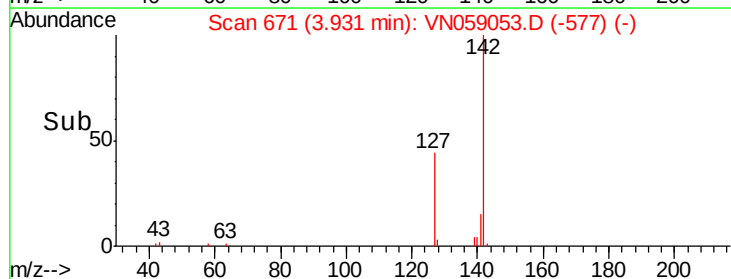
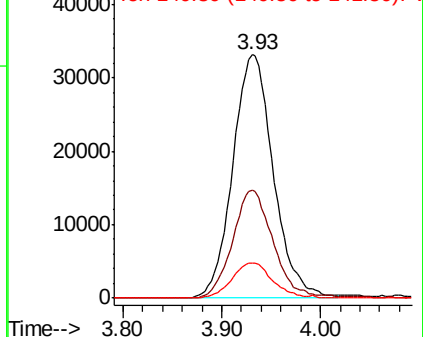
141 14.4 11.1 16.7

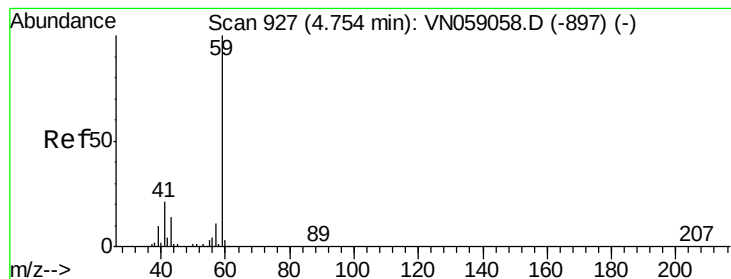


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



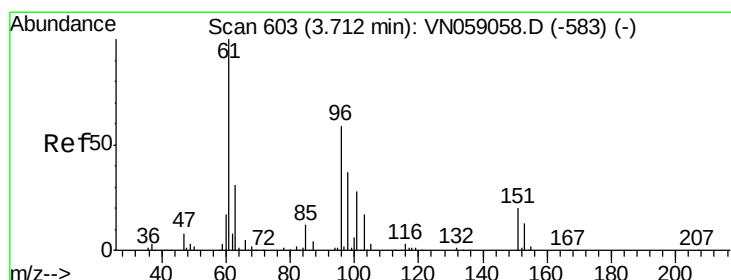
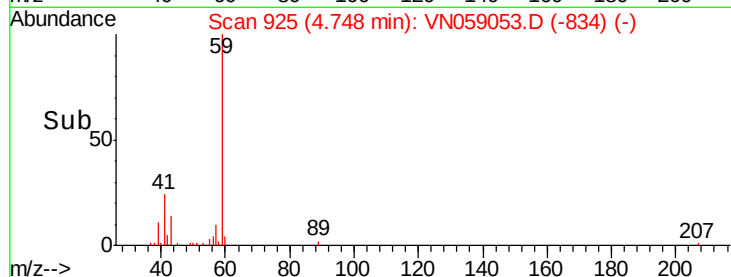
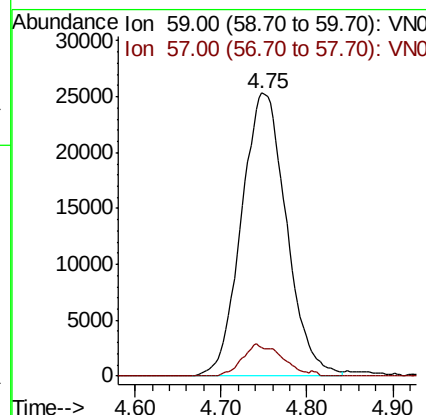
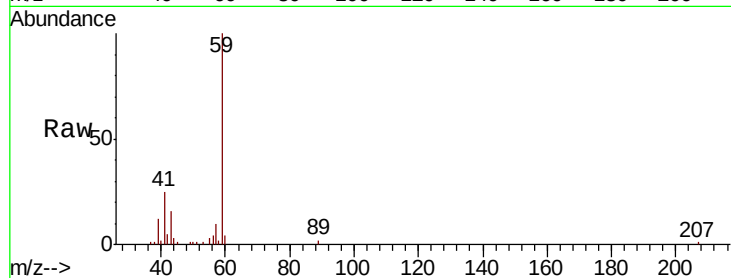


#11

Tert butyl alcohol
 Concen: 96.933 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Instrument :
 MSVOA_N
 ClientSampled :

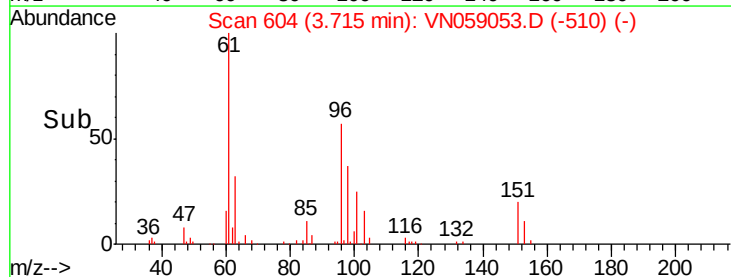
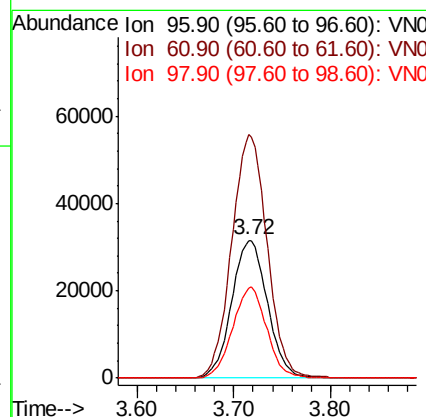
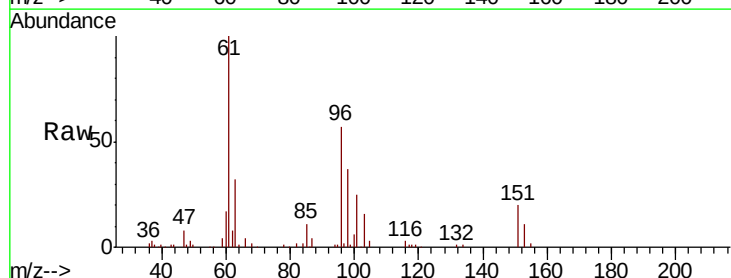
Tot Ion: 59 Resp: 92104
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

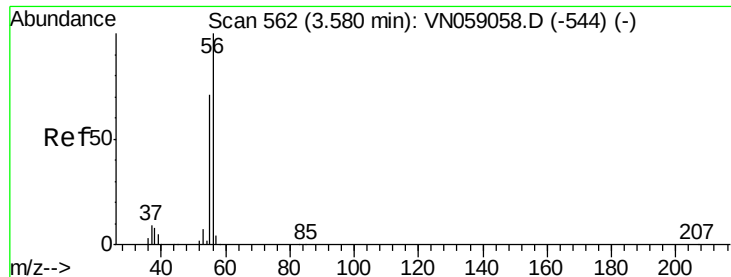


#12

1,1-Dichloroethene
 Concen: 21.123 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Tgt Ion: 96 Resp: 80901
 Ion Ratio Lower Upper
 96 100
 61 177.0 135.3 202.9
 98 65.6 49.4 74.2





#13

Acrolein

Concen: 88.550 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

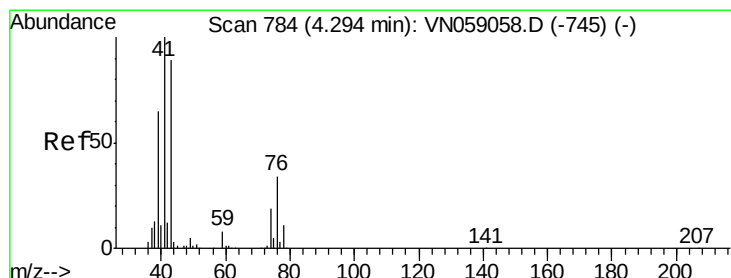
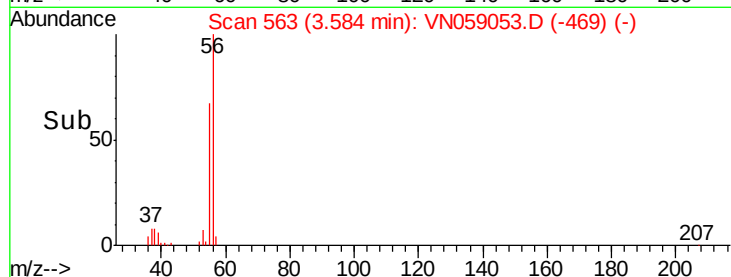
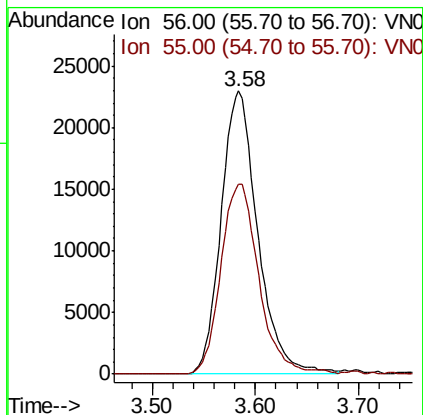
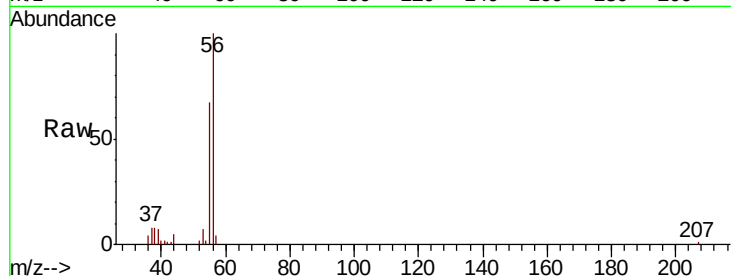
ClientSampled :

Tot Ion: 56 Resp: 56756

Ion Ratio Lower Upper

56 100

55 69.1 56.1 84.1



#14

Allyl chloride

Concen: 18.409 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

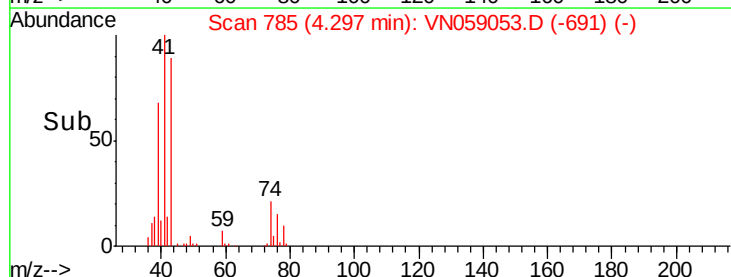
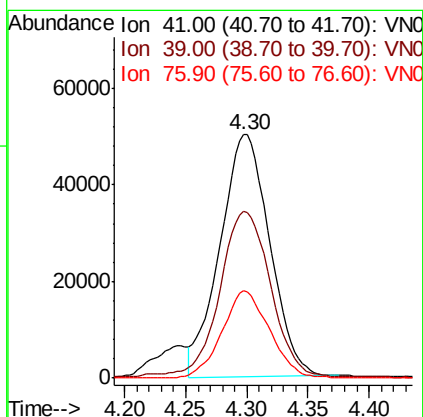
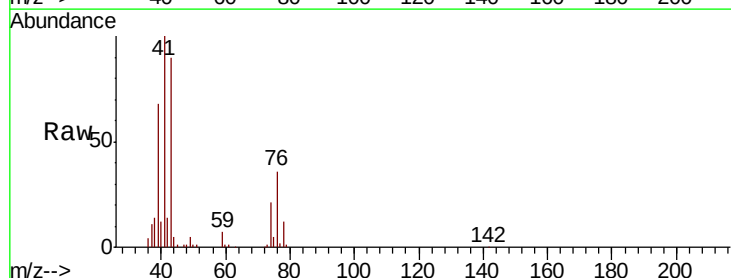
Tgt Ion: 41 Resp: 142363

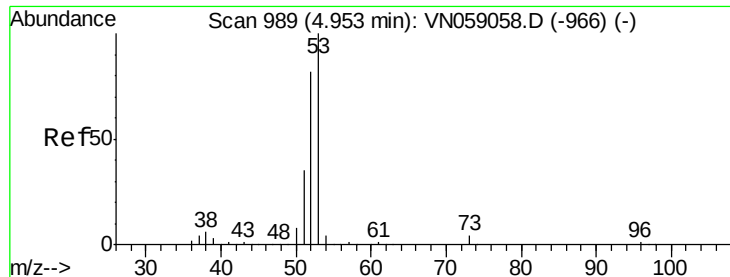
Ion Ratio Lower Upper

41 100

39 70.4 49.4 74.2

76 34.5 24.6 37.0





#15

Acrylonitrile

Concen: 106.715 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

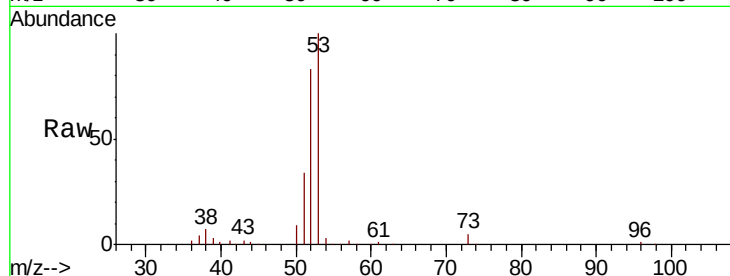
Tot Ion: 53 Resp: 253310

Ion Ratio Lower Upper

53 100

52 82.3 66.0 99.0

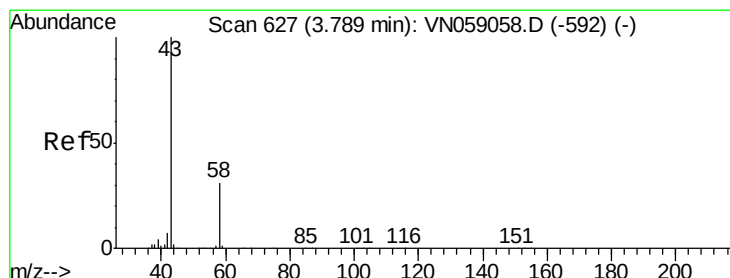
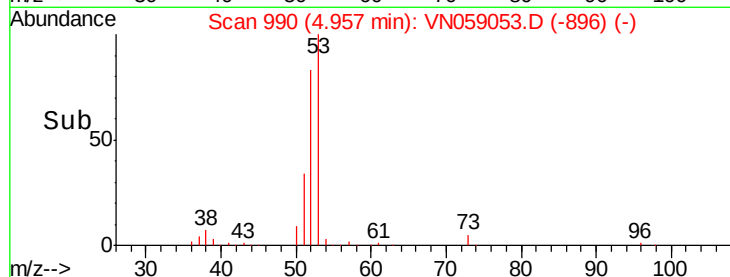
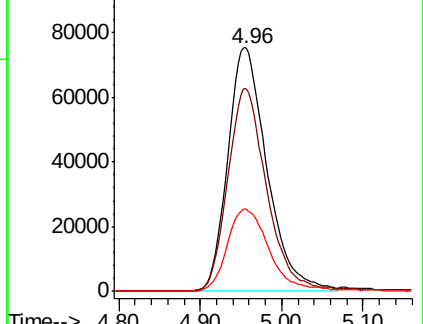
51 36.0 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN059058.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059058.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059058.D (-966) (-)



#16

Acetone

Concen: 107.136 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059053.D

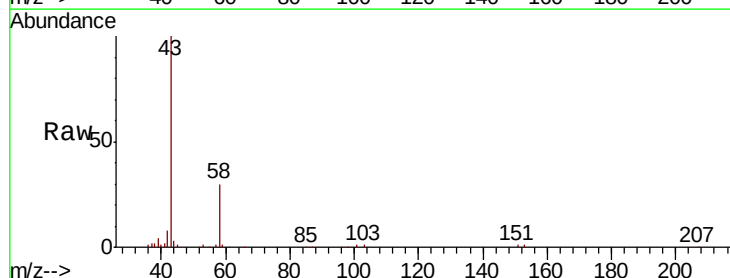
Acq: 1 Nov 2019 11:09

Tgt Ion: 43 Resp: 296888

Ion Ratio Lower Upper

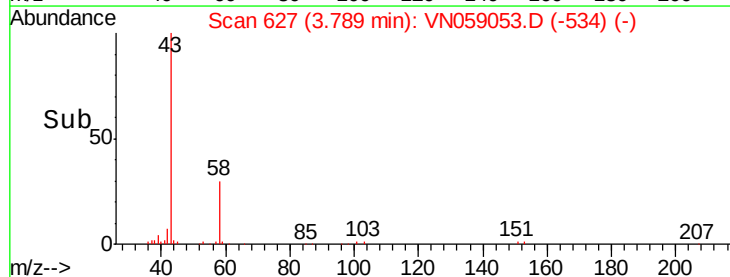
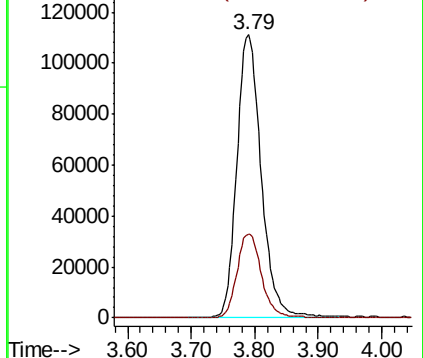
43 100

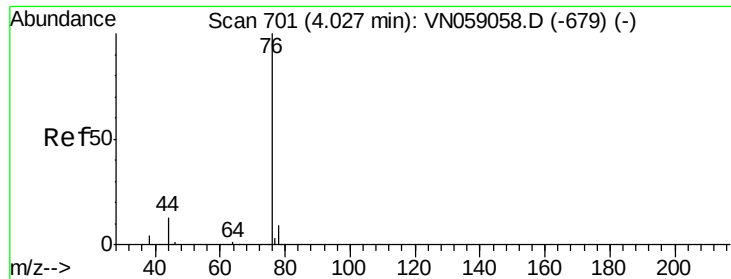
58 29.6 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-592) (-)





#17

Carbon Disulfide

Concen: 20.495 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

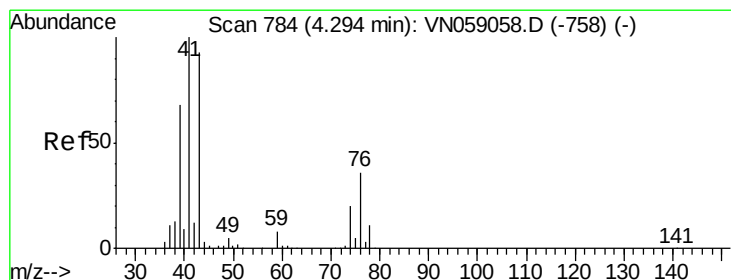
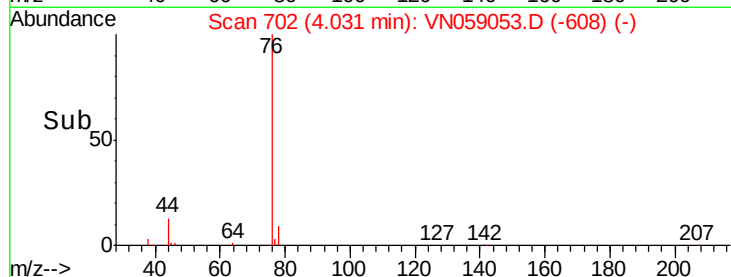
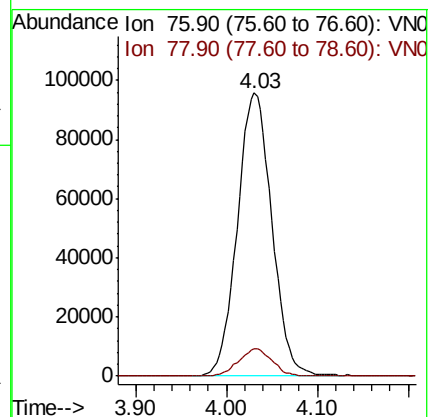
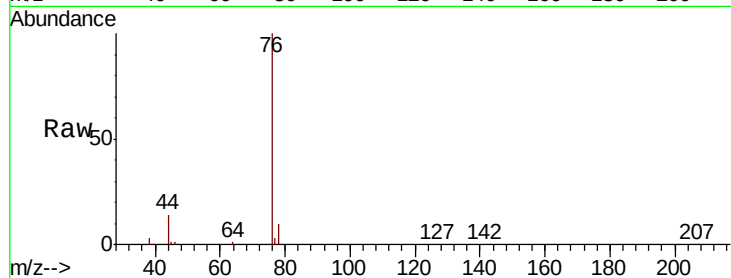
ClientSampled :

Tot Ion: 76 Resp: 251710

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6



#18

Methyl Acetate

Concen: 20.484 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059053.D

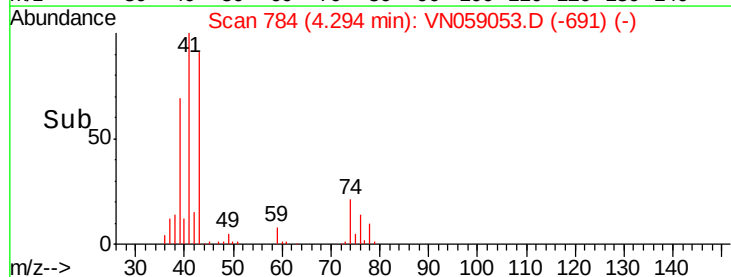
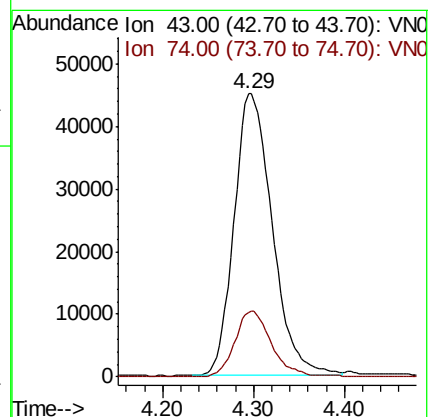
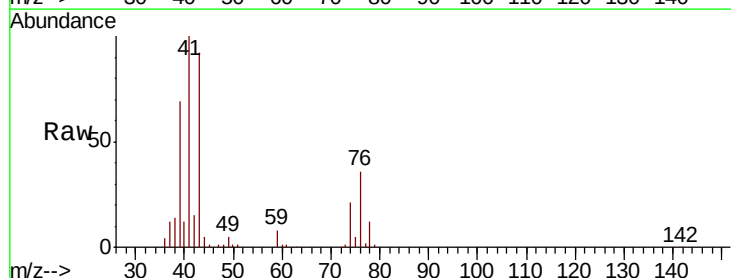
Acq: 1 Nov 2019 11:09

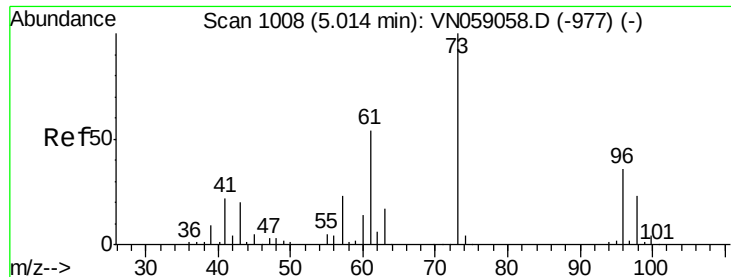
Tgt Ion: 43 Resp: 131412

Ion Ratio Lower Upper

43 100

74 22.6 17.5 26.3

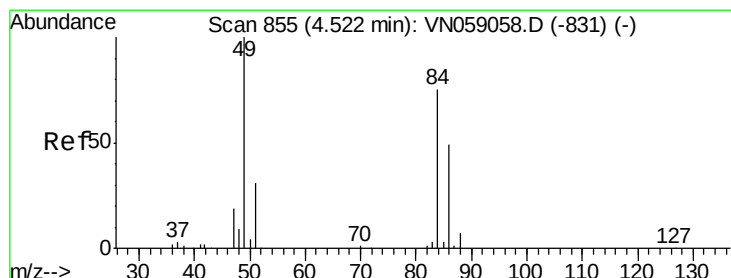
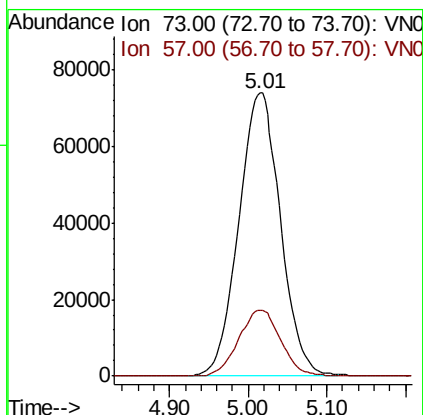
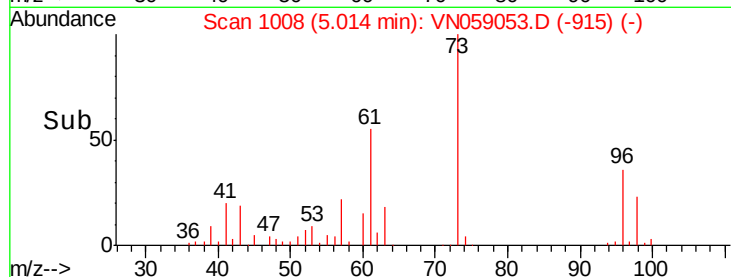
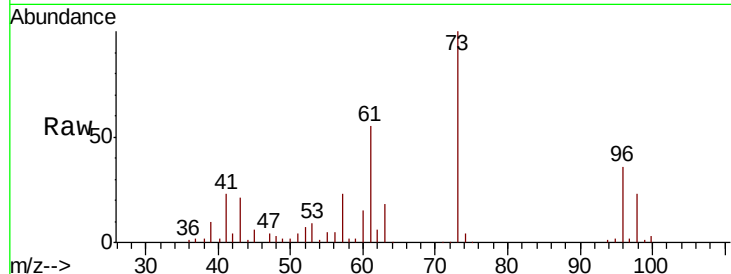




#19
Methyl tert-butyl Ether
Concen: 20.635 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

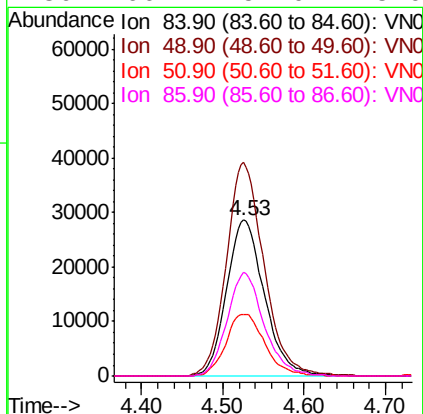
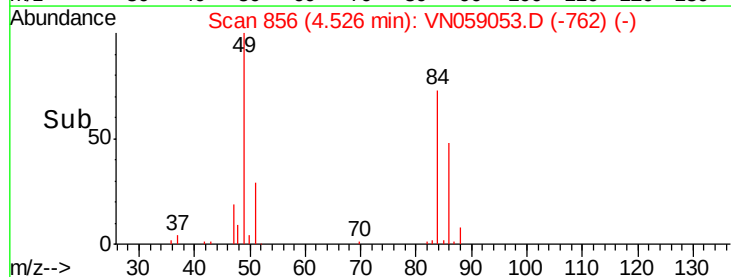
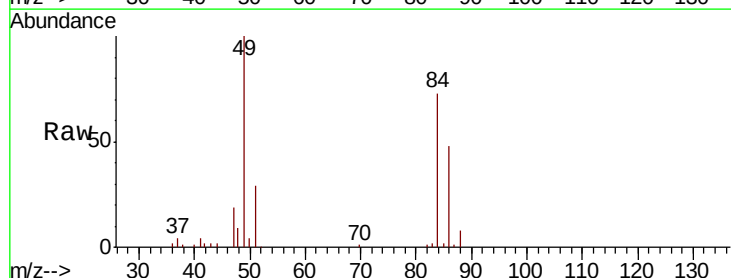
Instrument :
MSVOA_N
ClientSampled :

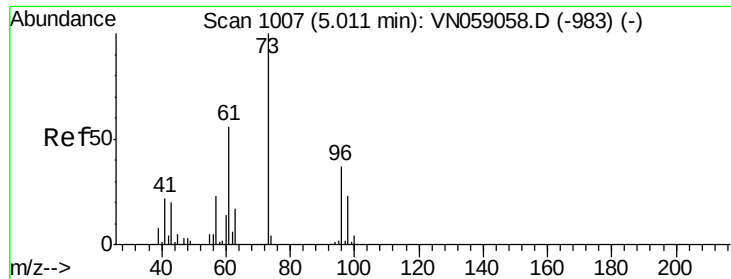
Tot Ion: 73 Resp: 274994
Ion Ratio Lower Upper
73 100
57 23.4 18.4 27.6



#20
Methylene Chloride
Concen: 19.343 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 84 Resp: 92778
Ion Ratio Lower Upper
84 100
49 137.0 106.4 159.6
51 39.7 33.0 49.4
86 66.2 52.0 78.0

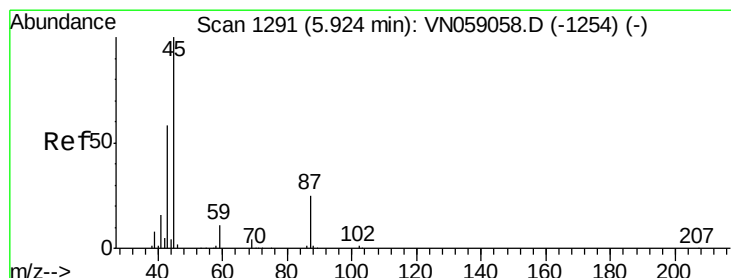
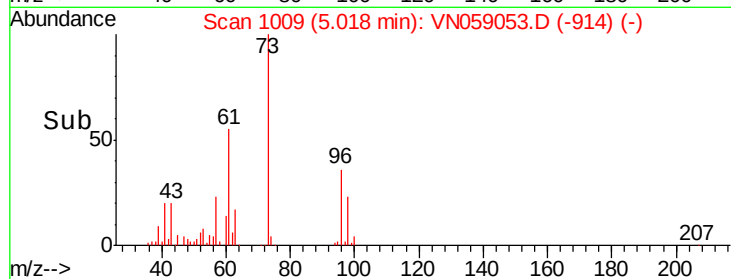
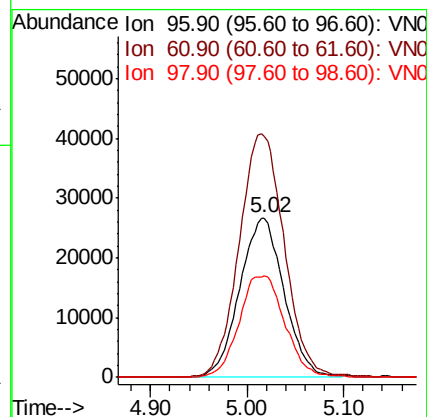
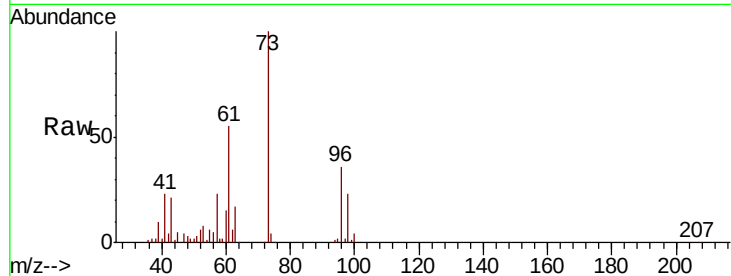




#21
trans-1,2-Dichloroethene
Concen: 20.185 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

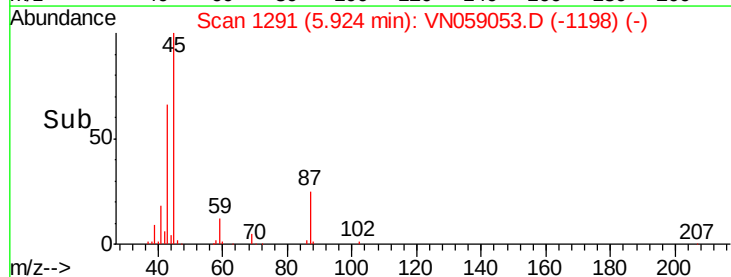
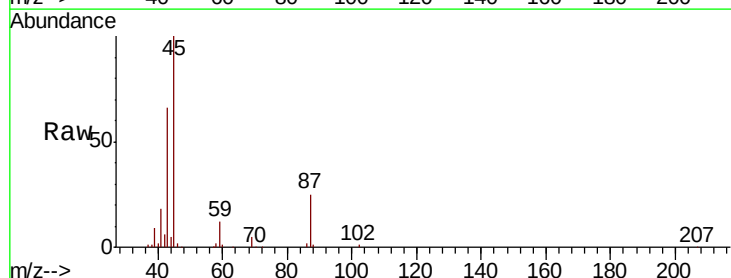
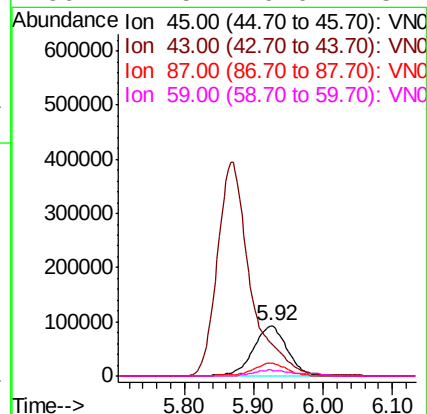
Instrument :
MSVOA_N
ClientSampled :

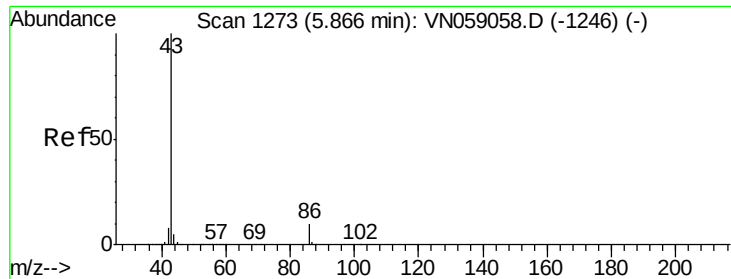
Tot Ion: 96 Resp: 84970
Ion Ratio Lower Upper
96 100
61 150.3 121.7 182.5
98 63.7 50.6 76.0



#22
Diisopropyl ether
Concen: 20.814 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 45 Resp: 313170
Ion Ratio Lower Upper
45 100
43 64.4 46.9 70.3
87 25.3 20.1 30.1
59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 108.901 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

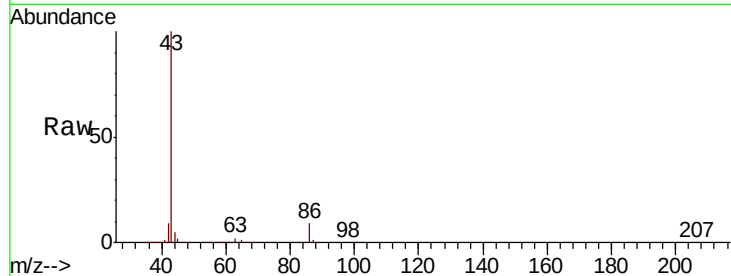
ClientSampled :

Tot Ion: 43 Resp: 1309716

Ion Ratio Lower Upper

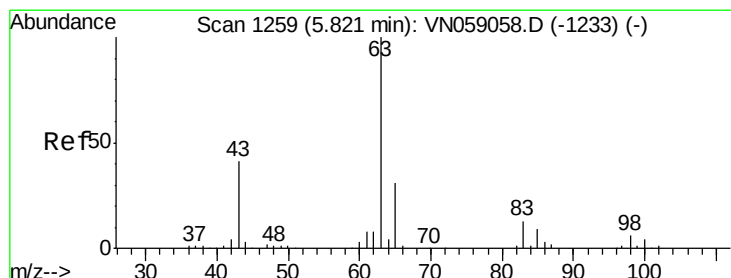
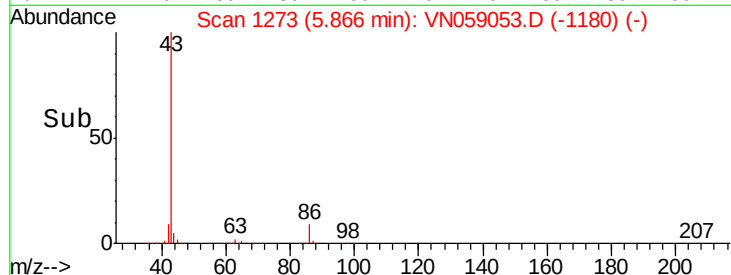
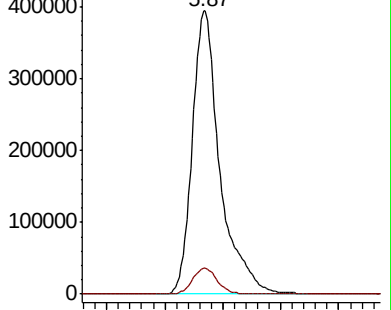
43 100

86 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN059058.D (-1246) (-)



#24

1,1-Dichloroethane

Concen: 20.062 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

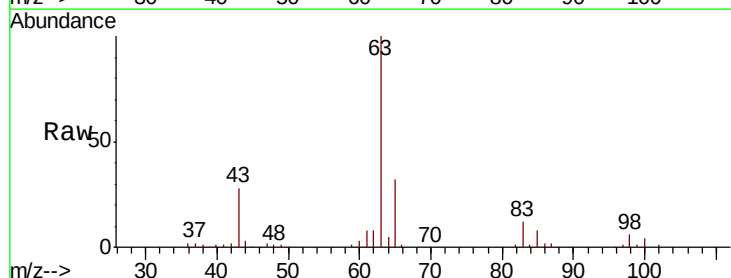
Tgt Ion: 63 Resp: 175043

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

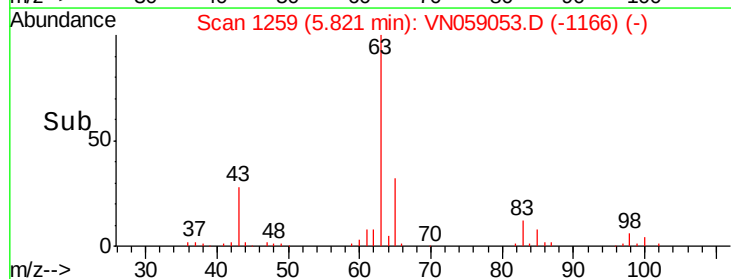
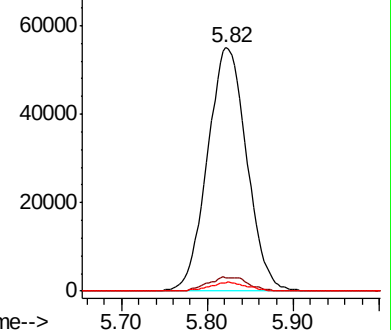
100 3.6 2.0 6.0

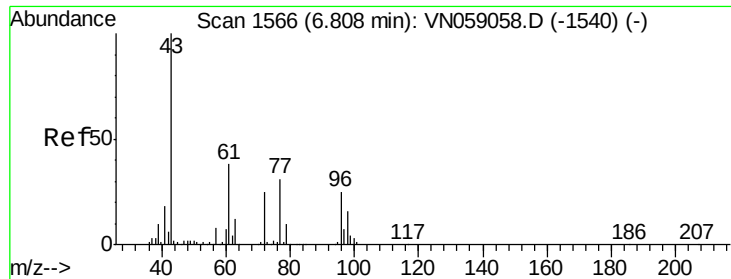


Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059058.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059058.D (-1233) (-)





#25

2-Butanone

Concen: 102.254 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

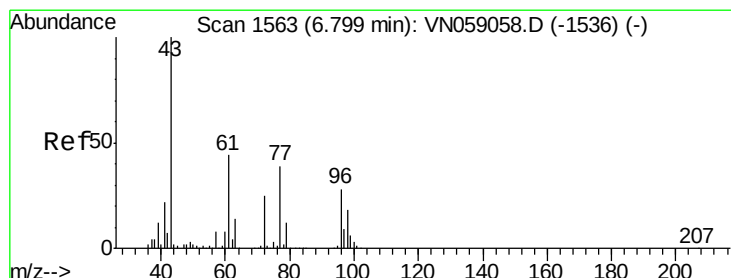
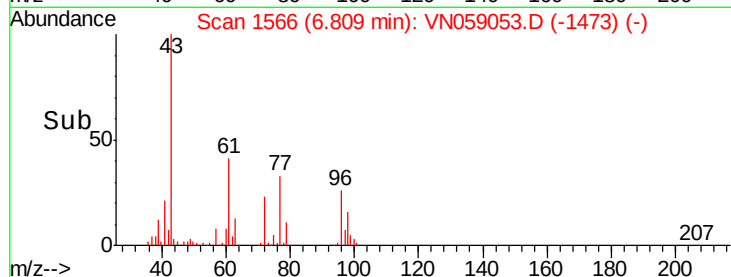
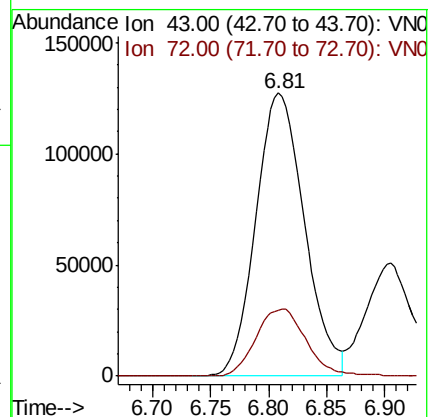
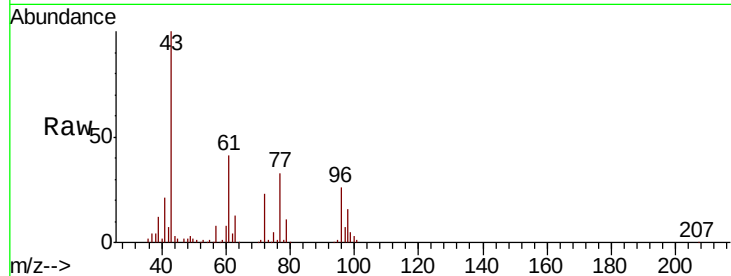
ClientSampleId :

Tot Ion: 43 Resp: 370173

Ion Ratio Lower Upper

43 100

72 23.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 19.956 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059053.D

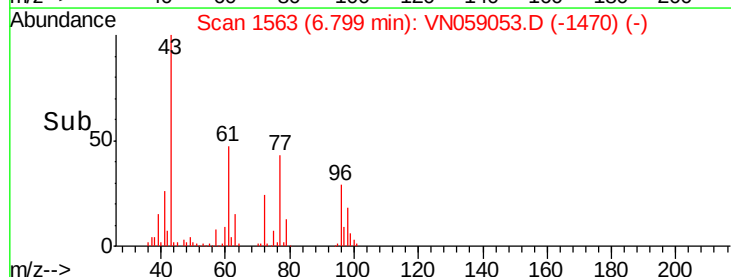
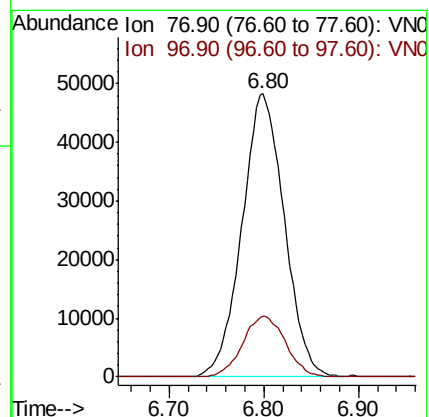
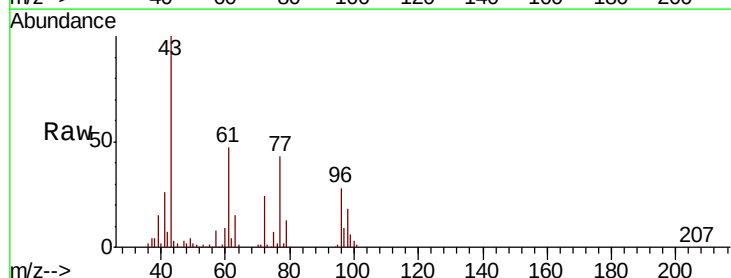
Acq: 1 Nov 2019 11:09

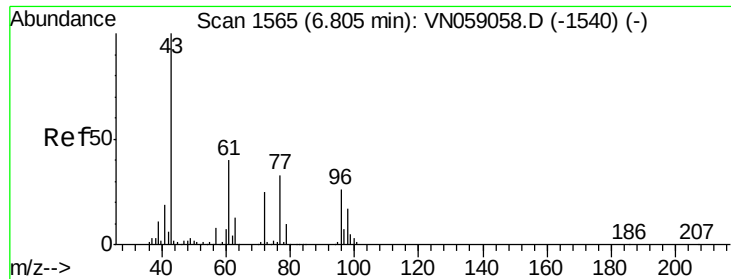
Tgt Ion: 77 Resp: 150050

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.9

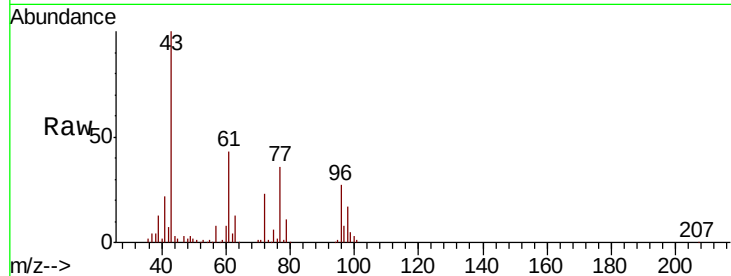




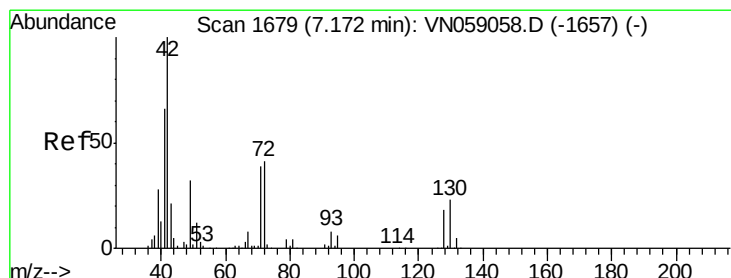
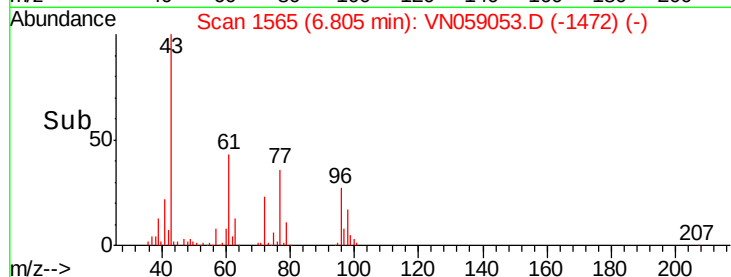
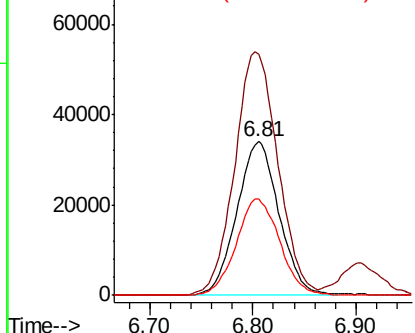
#27
 cis-1,2-Dichloroethene
 Concen: 20.161 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 96764
 Ion Ratio Lower Upper
 96 100
 61 162.1 0.0 316.4
 98 64.6 0.0 128.2

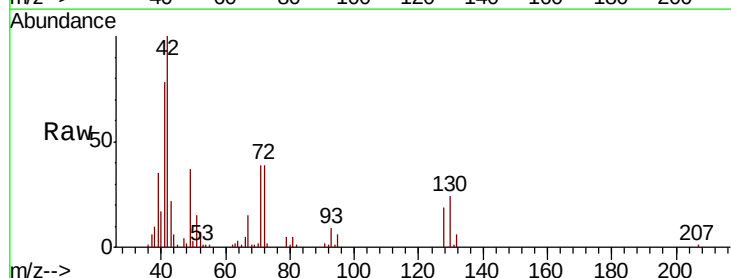


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

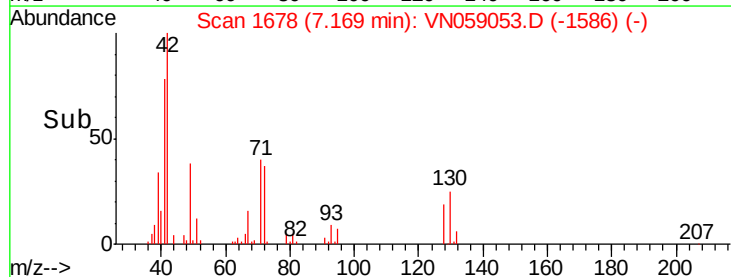
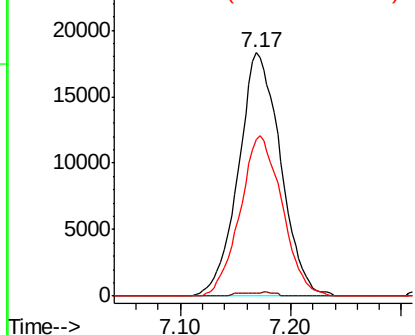


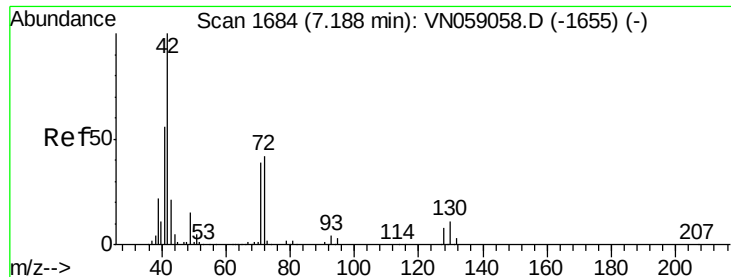
#28
 Bromochloromethane
 Concen: 16.932 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Tgt Ion: 49 Resp: 48463
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.4
 130 65.8 55.0 82.6



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

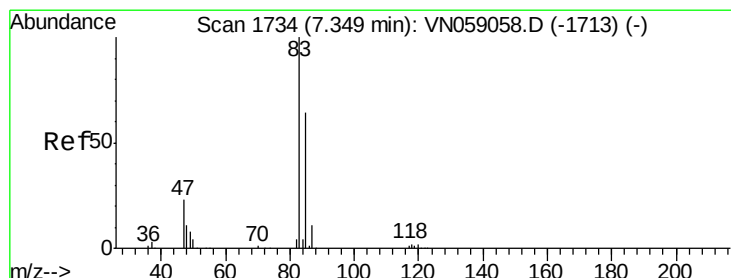
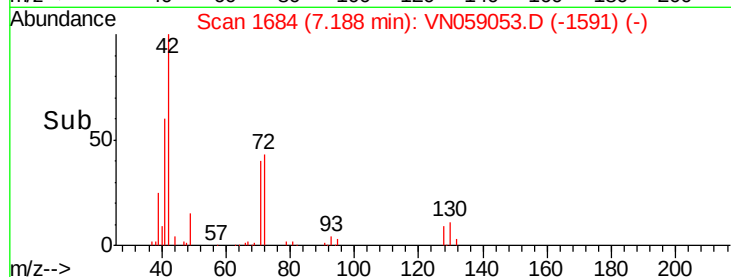
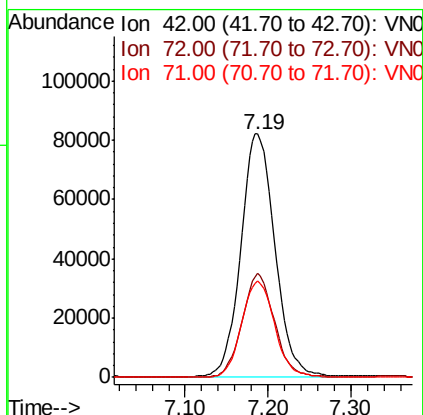
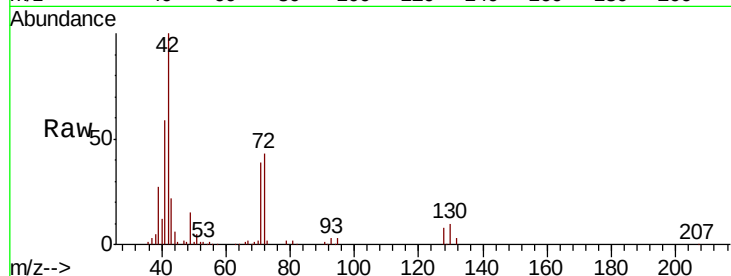




#29
Tetrahydrofuran
Concen: 106.273 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

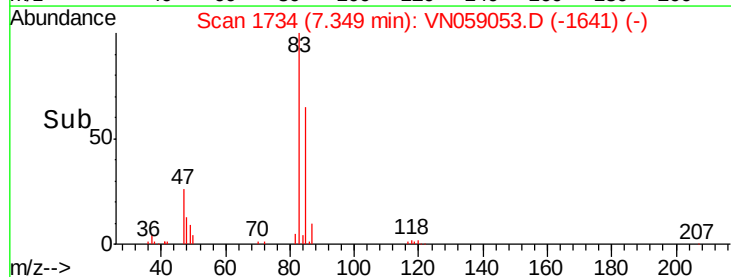
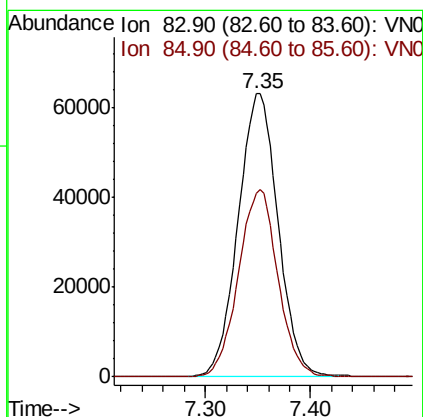
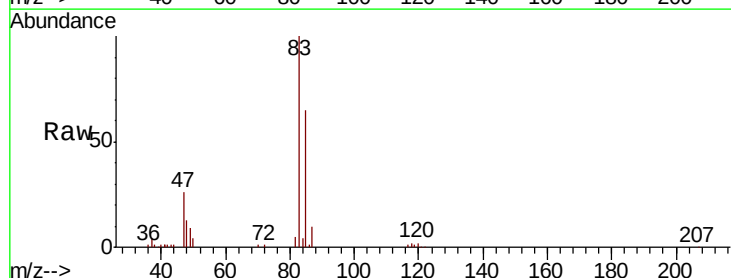
Instrument :
MSVOA_N
ClientSampled :

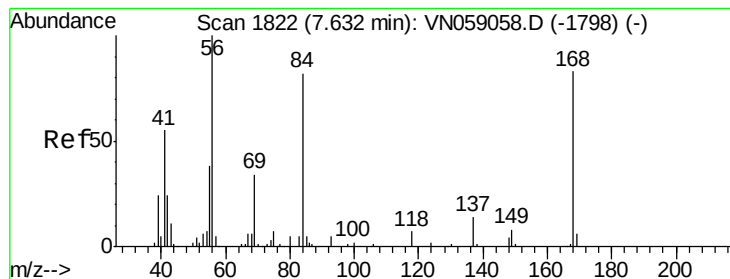
Tot Ion: 42 Resp: 235921
Ion Ratio Lower Upper
42 100
72 40.3 32.7 49.1
71 38.2 31.2 46.8



#30
Chloroform
Concen: 19.082 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 83 Resp: 165899
Ion Ratio Lower Upper
83 100
85 65.0 50.9 76.3





#31

Cyclohexane

Concen: 19.886 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :
MSVOA_N
ClientSampled :

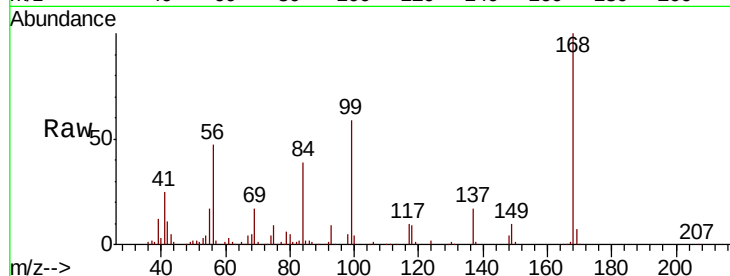
Tot Ion: 56 Resp: 161352

Ion Ratio Lower Upper

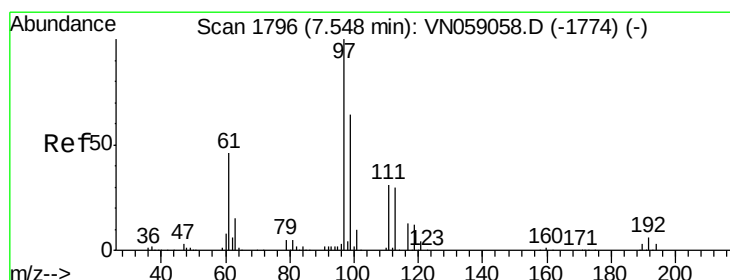
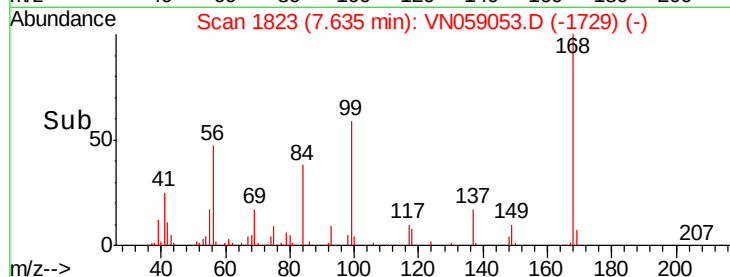
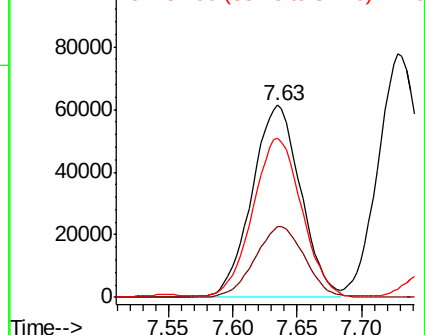
56 100

69 36.7 27.2 40.8

84 81.8 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 19.491 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

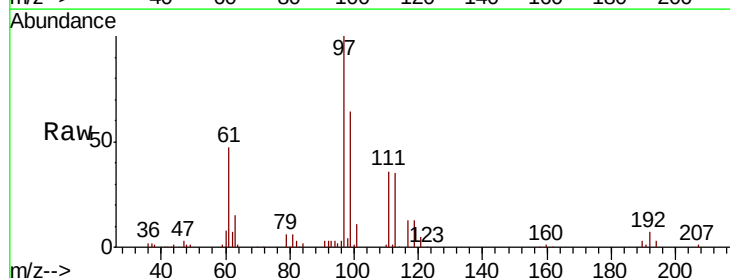
Tgt Ion: 97 Resp: 142491

Ion Ratio Lower Upper

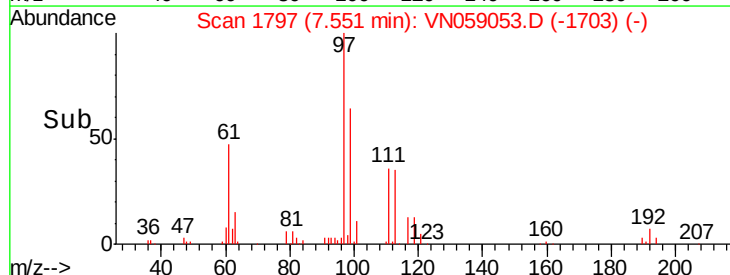
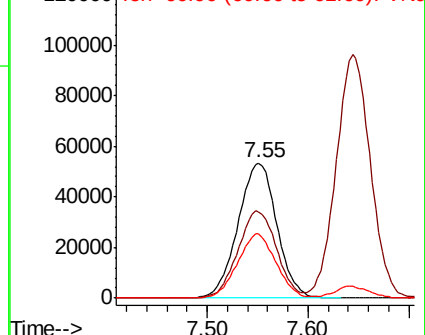
97 100

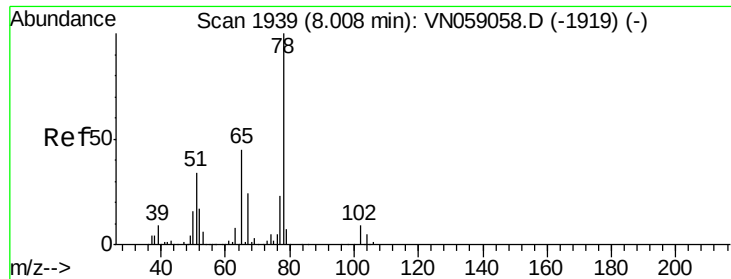
99 64.4 50.7 76.1

61 46.9 36.3 54.5



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

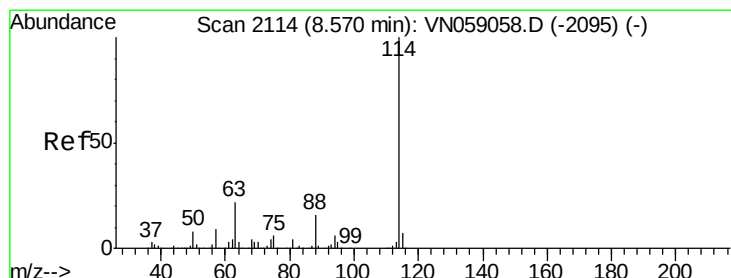
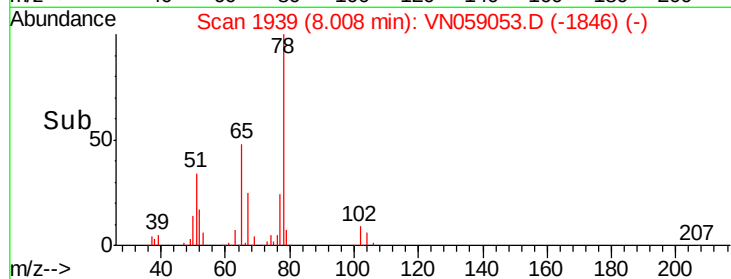
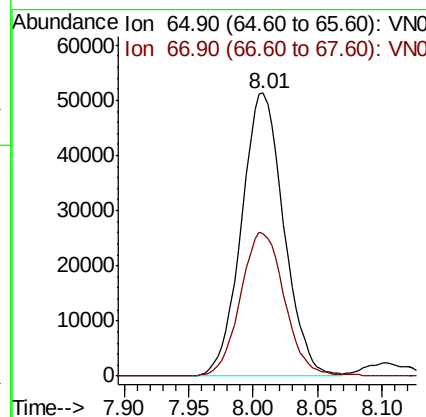
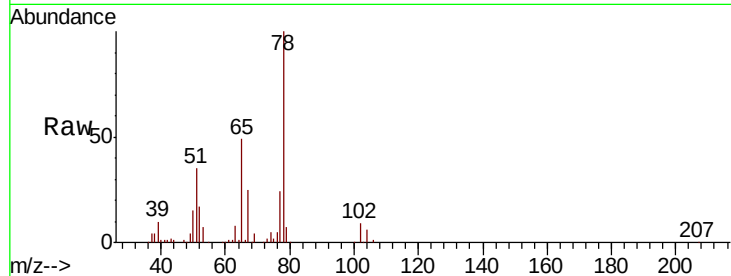




#33
 1,2-Dichloroethane-d4
 Concen: 20.892 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

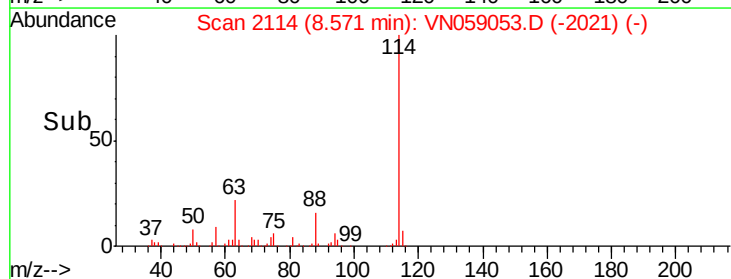
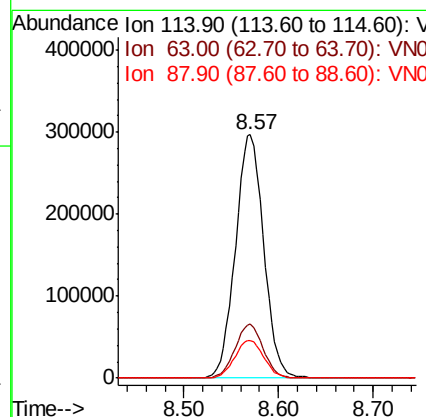
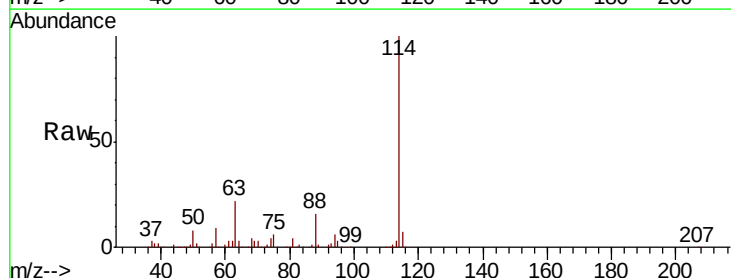
Instrument :
 MSVOA_N
 ClientSampleId :

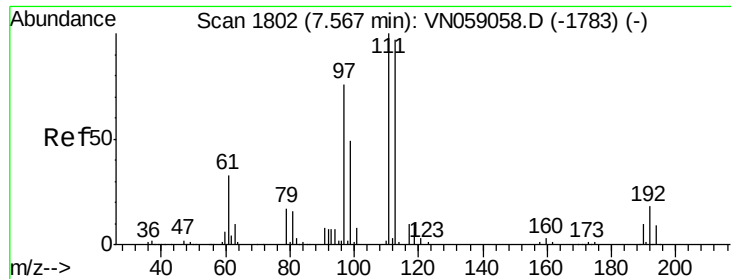
Tot Ion: 65 Resp: 117442
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Tgt Ion: 114 Resp: 616375
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 15.6 0.0 33.0

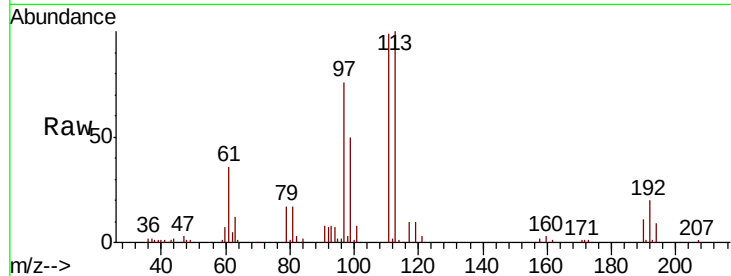




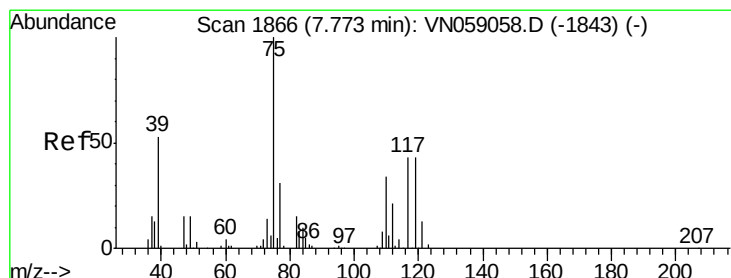
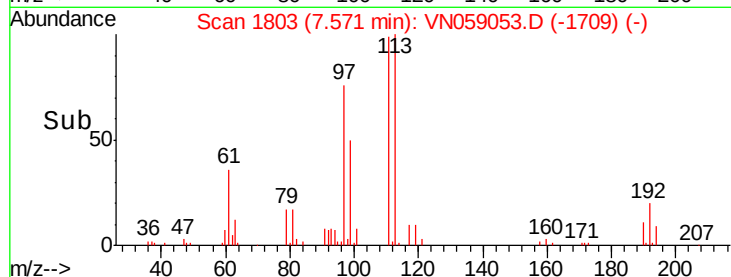
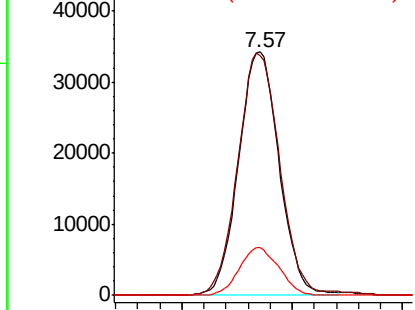
#35
Dibromofluoromethane
Concen: 21.606 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 87234
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 19.1 15.9 23.9

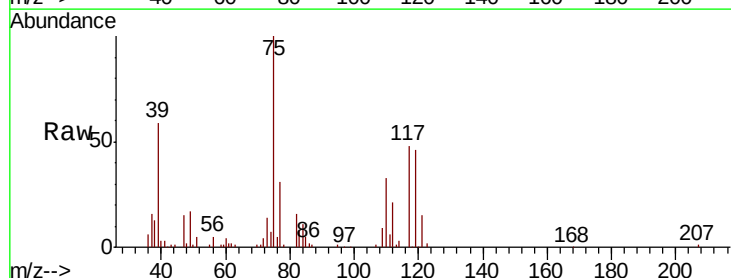


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

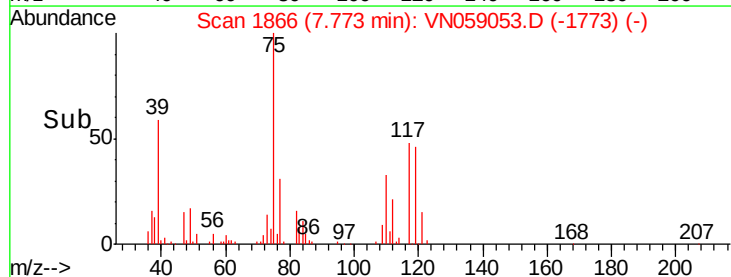
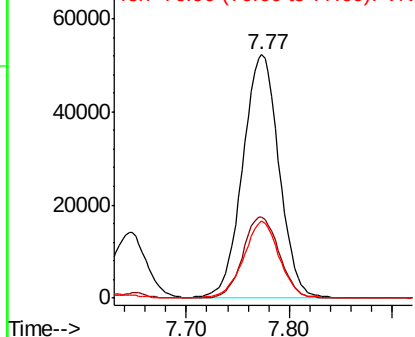


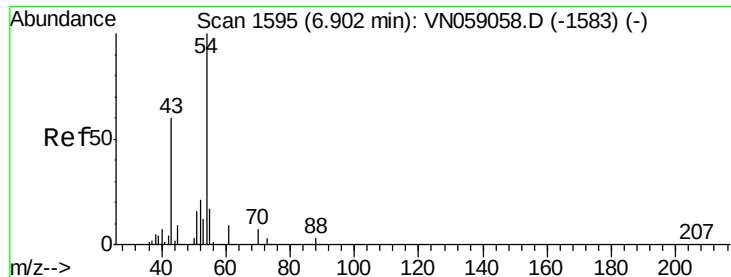
#36
1,1-Dichloropropene
Concen: 20.651 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 75 Resp: 128172
Ion Ratio Lower Upper
75 100
110 33.2 16.9 50.6
77 30.9 25.0 37.4



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

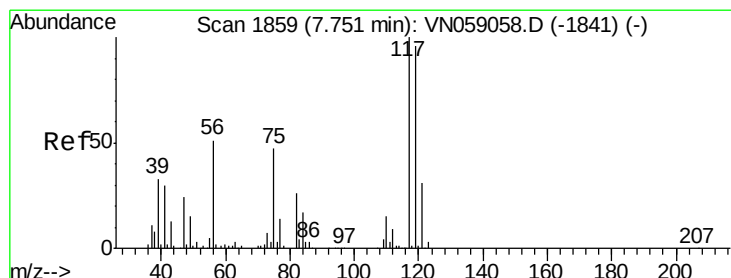
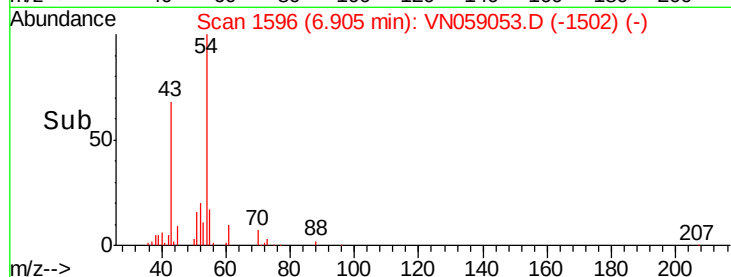
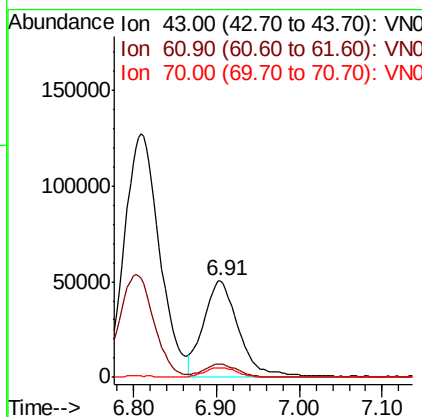
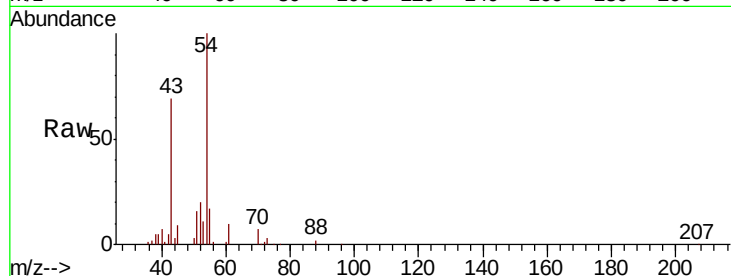




#37
Ethyl Acetate
Concen: 21.700 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

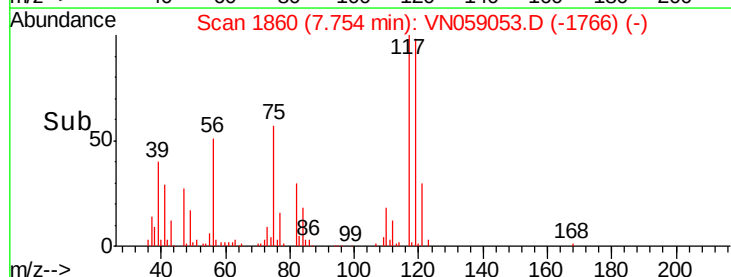
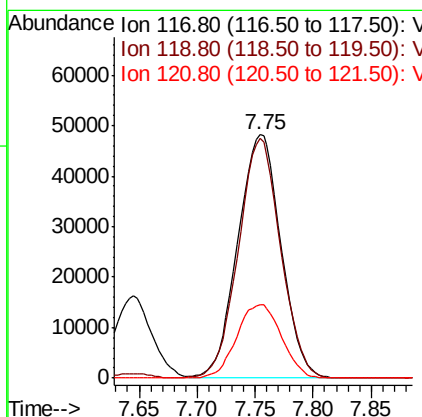
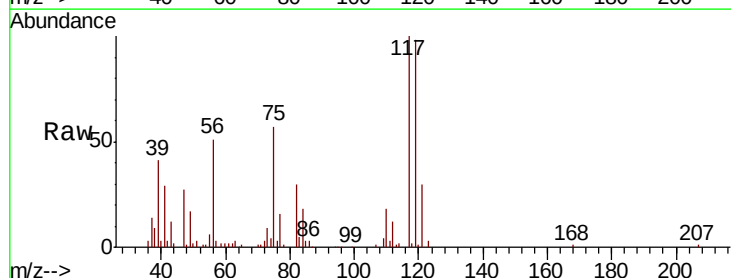
Instrument :
MSVOA_N
ClientSampleId :

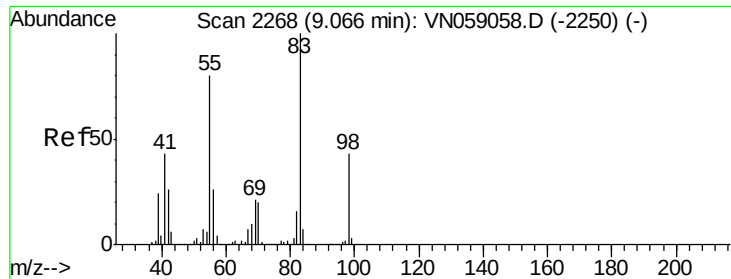
Tot Ion: 43 Resp: 147029
Ion Ratio Lower Upper
43 100
61 13.5 11.2 16.8
70 9.9 8.0 12.0



#38
Carbon Tetrachloride
Concen: 19.556 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 117 Resp: 124849
Ion Ratio Lower Upper
117 100
119 97.9 76.6 114.8
121 30.2 24.6 37.0

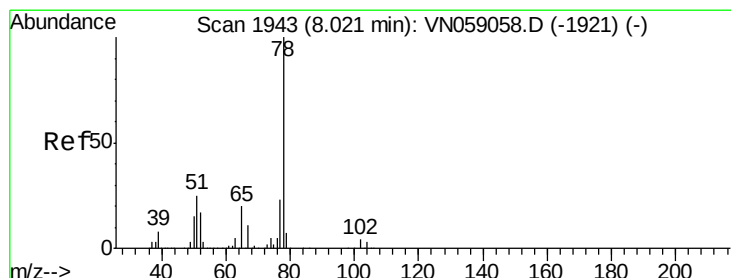
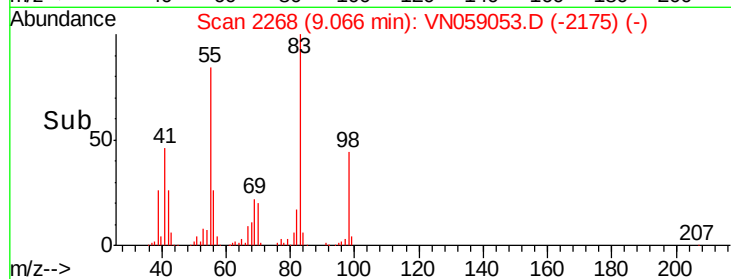
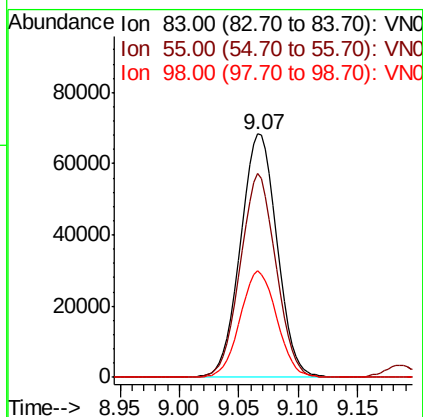
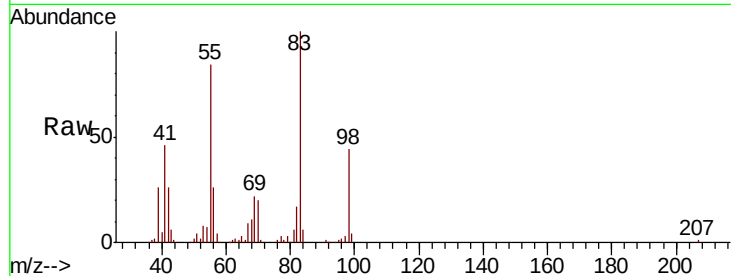




#39
Methylvlcyclohexane
Concen: 20.722 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

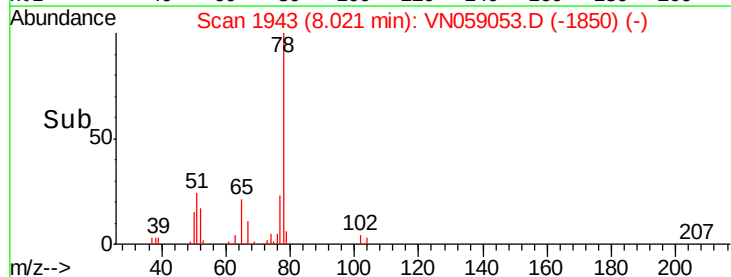
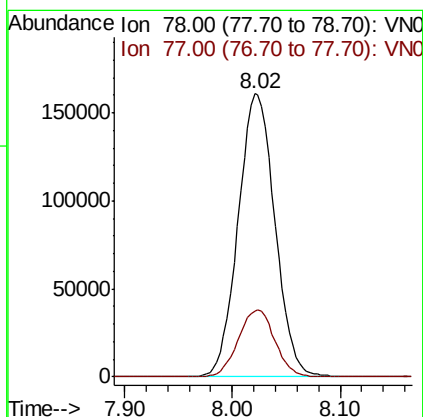
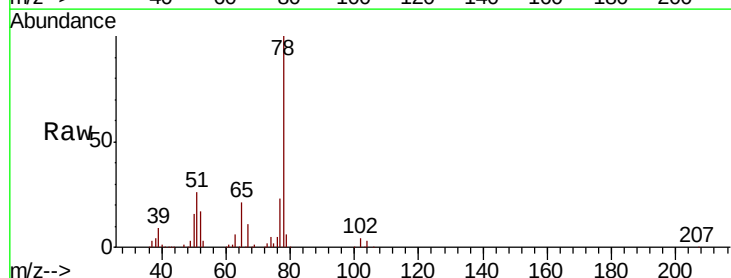
Instrument :
MSVOA_N
ClientSampled :

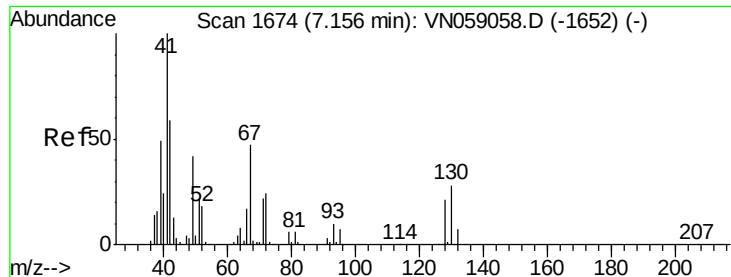
Tot Ion: 83 Resp: 145657
Ion Ratio Lower Upper
83 100
55 84.0 64.1 96.1
98 43.8 34.3 51.5



#40
Benzene
Concen: 20.840 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 78 Resp: 381418
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8

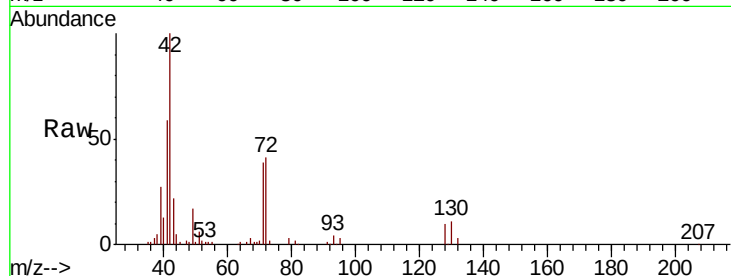




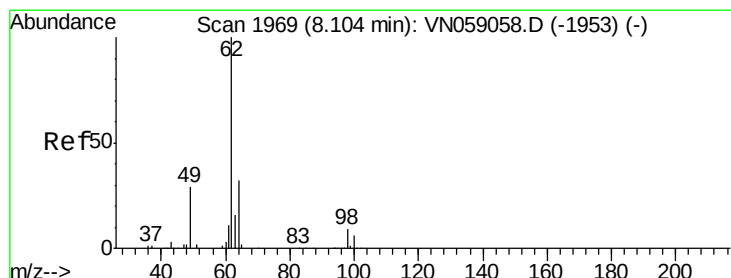
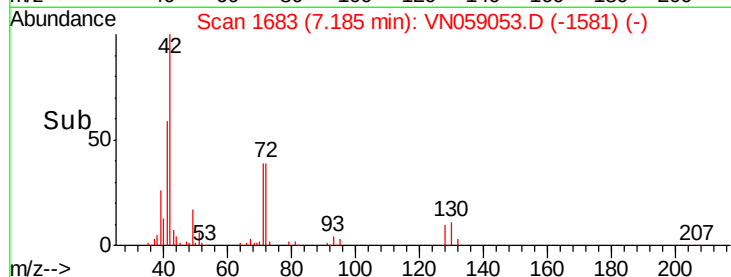
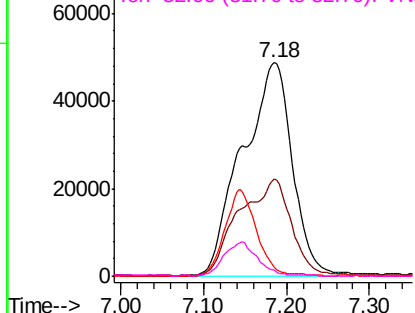
#41
Methacrylonitrile
Concen: 66.663 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	204663
Ion	Ratio	Lower	Upper
41	100		
39	47.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

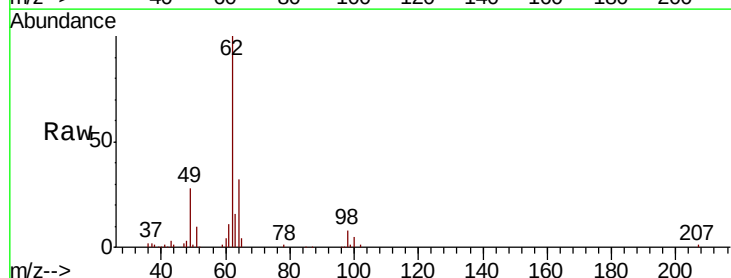


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

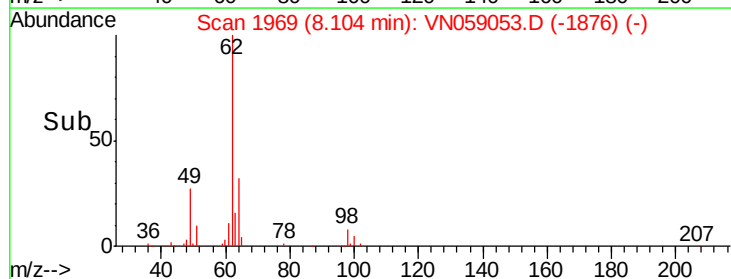
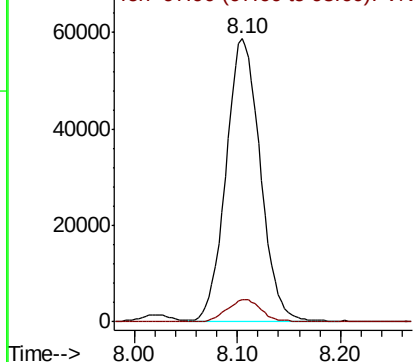


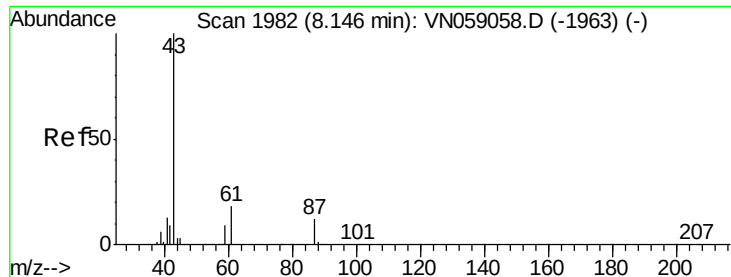
#42
1,2-Dichloroethane
Concen: 19.505 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion:	62	Resp:	135432
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

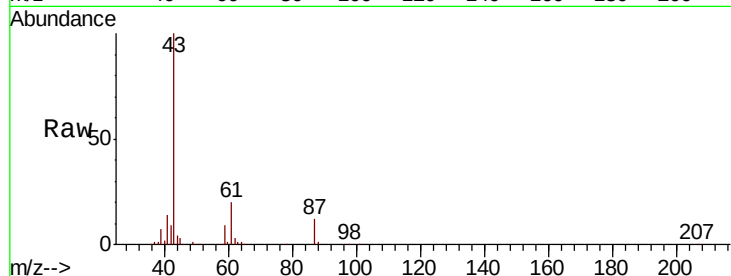




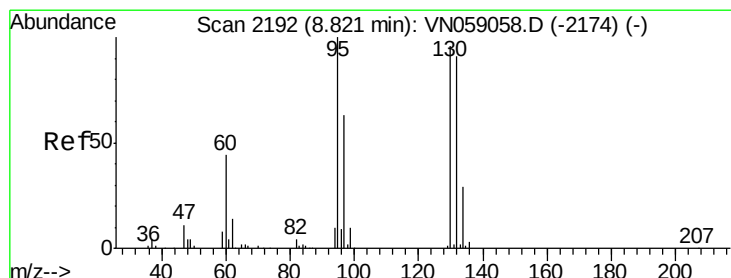
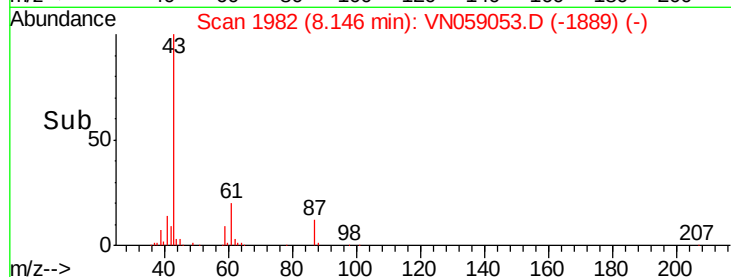
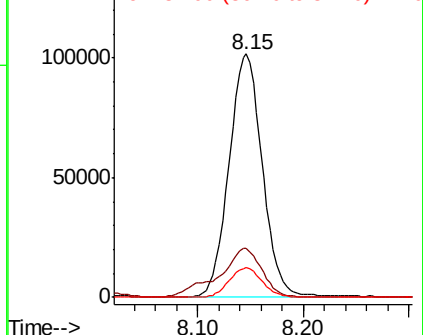
#43
Isopropyl Acetate
Concen: 20.264 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 220633
Ion Ratio Lower Upper
43 100
61 26.5 20.5 30.7
87 12.2 9.8 14.8

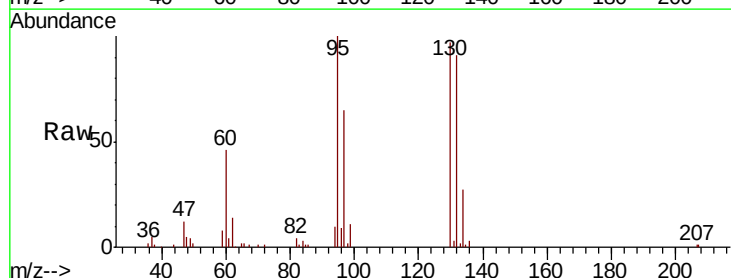


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

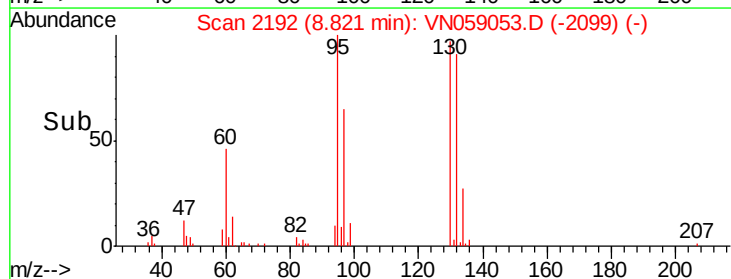
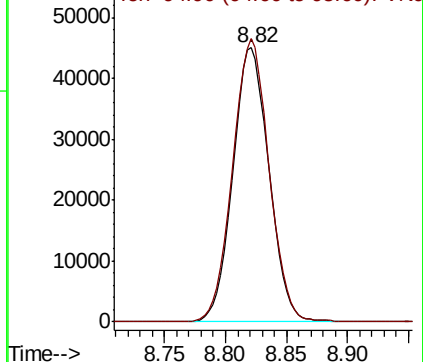


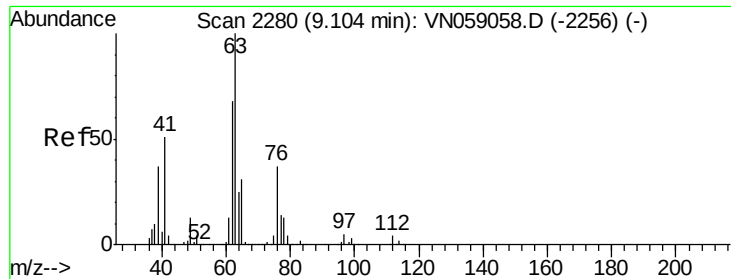
#44
Trichloroethene
Concen: 20.681 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion:130 Resp: 92413
Ion Ratio Lower Upper
130 100
95 103.2 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

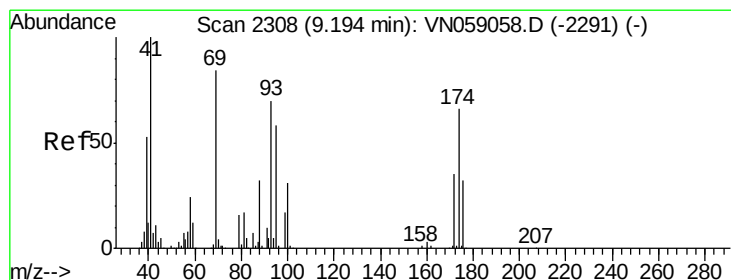
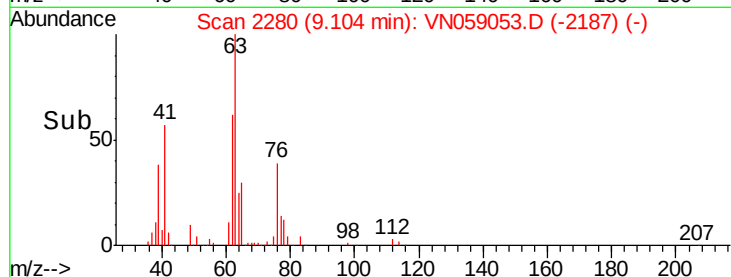
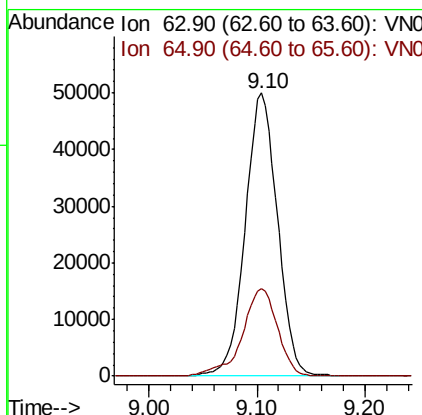
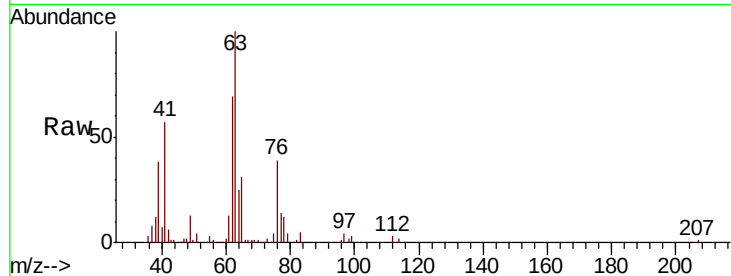




#45
 1,2-Dichloropropane
 Concen: 20.680 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

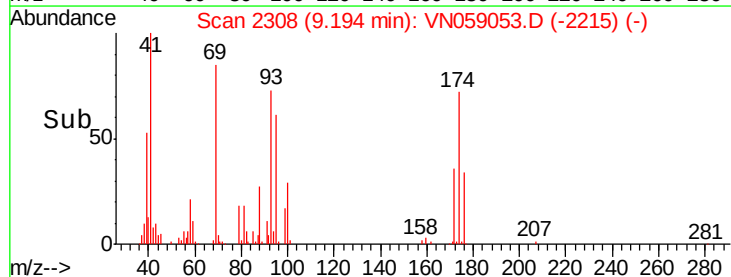
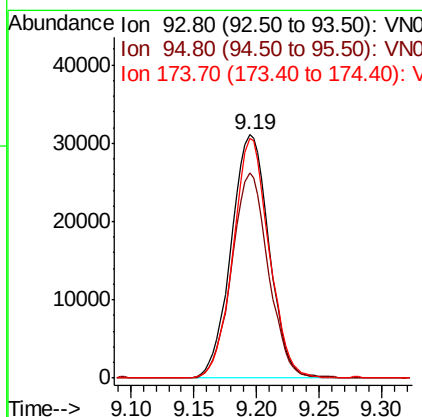
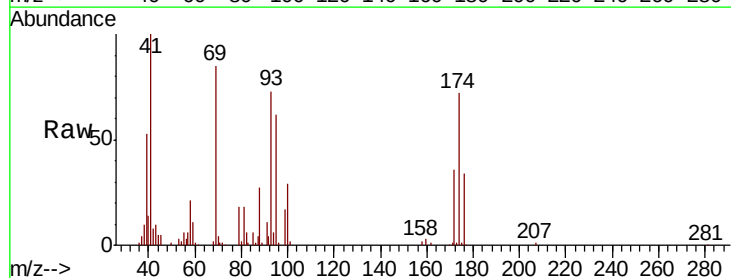
Instrument :
 MSVOA_N
 ClientSampled :

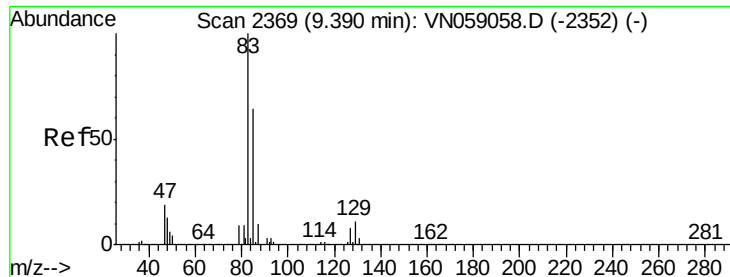
Tot Ion: 63 Resp: 103719
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6



#46
 Dibromomethane
 Concen: 20.680 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Tgt Ion: 93 Resp: 65311
 Ion Ratio Lower Upper
 93 100
 95 81.6 67.2 100.8
 174 93.4 78.3 117.5





#47

Bromodichloromethane

Concen: 20.084 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

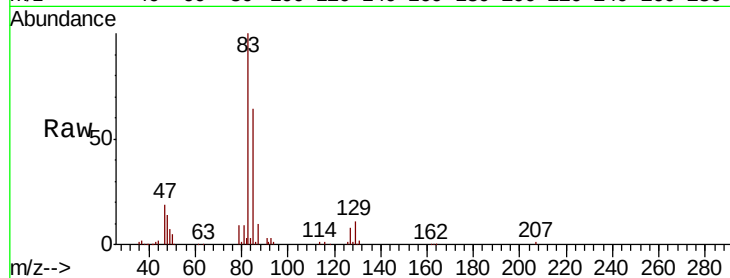
Tot Ion: 83 Resp: 130413

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

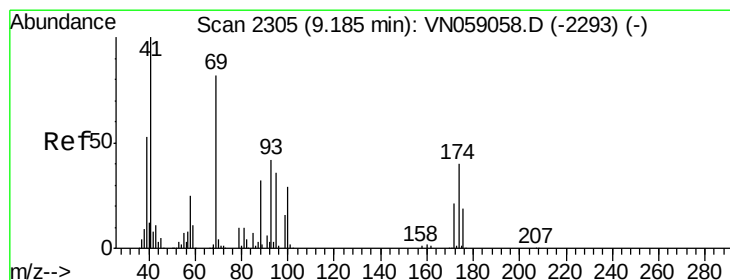
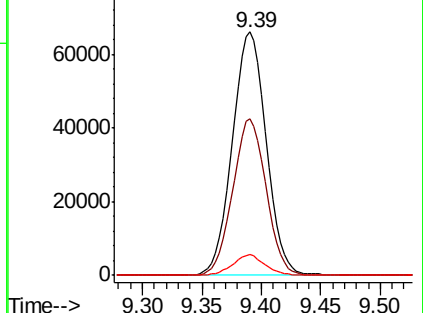
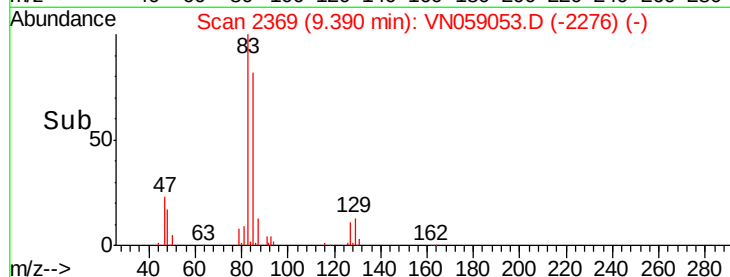
127 8.4 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059053.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059053.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059053.D (-2276) (-)



#48

Methyl methacrylate

Concen: 19.891 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

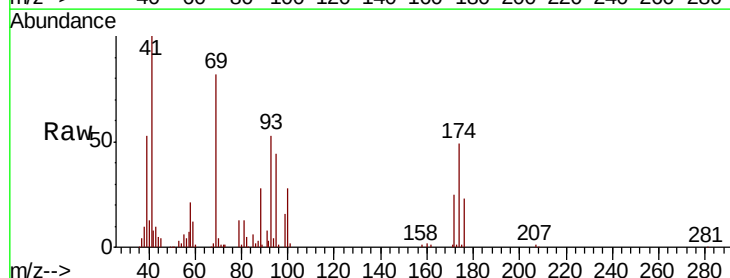
Tgt Ion: 41 Resp: 97631

Ion Ratio Lower Upper

41 100

69 84.6 67.1 100.7

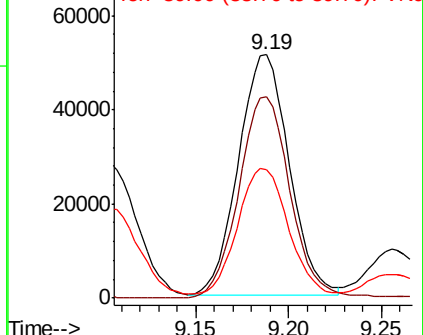
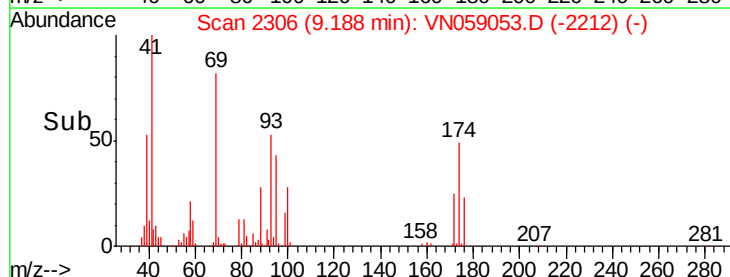
39 54.8 43.3 64.9

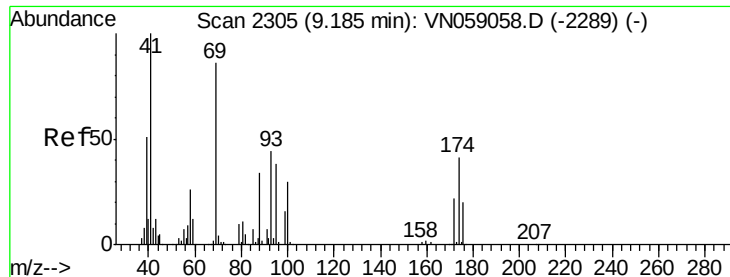


Abundance Ion 41.00 (40.70 to 41.70): VN059053.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059053.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059053.D (-2212) (-)





#49

1,4-Dioxane

Concen: 366.418 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :

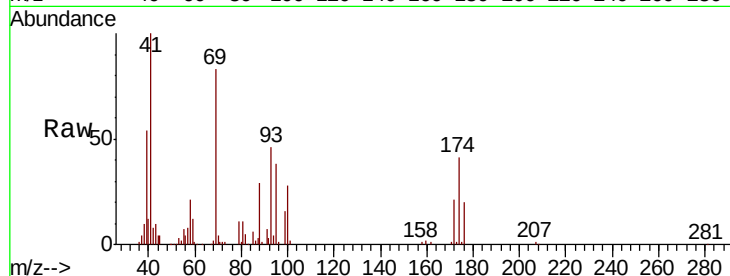
Tot Ion: 88 Resp: 30247

Ion Ratio Lower Upper

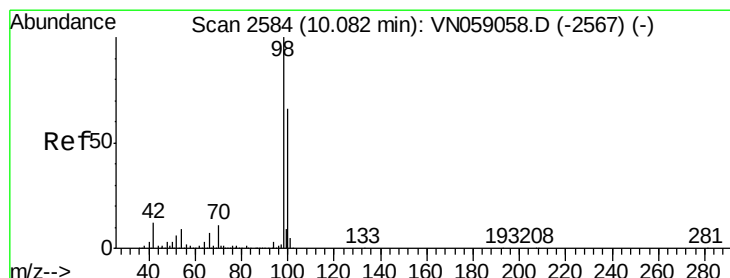
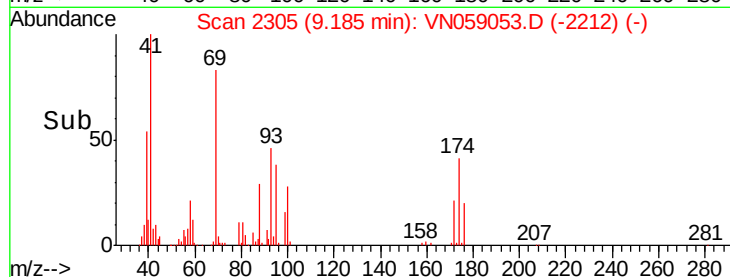
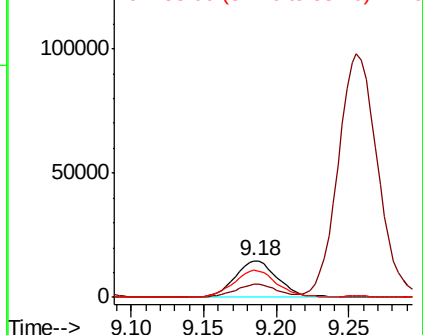
88 100

43 35.1 26.2 39.2

58 74.4 59.1 88.7



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: 21.488 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059053.D

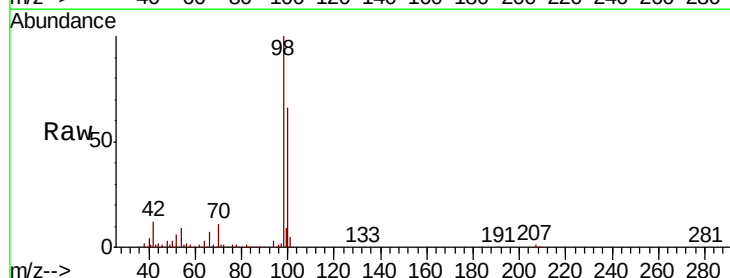
Acq: 1 Nov 2019 11:09

Tgt Ion: 98 Resp: 338470

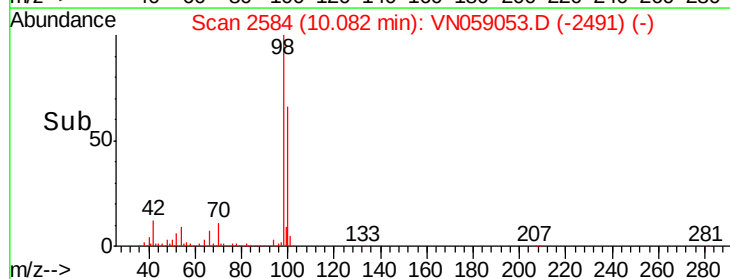
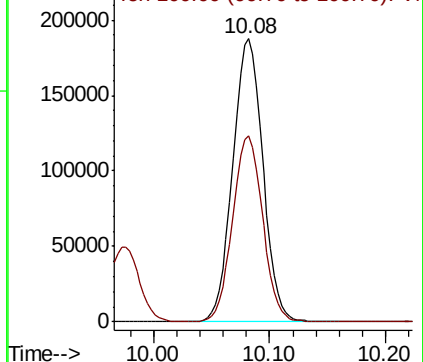
Ion Ratio Lower Upper

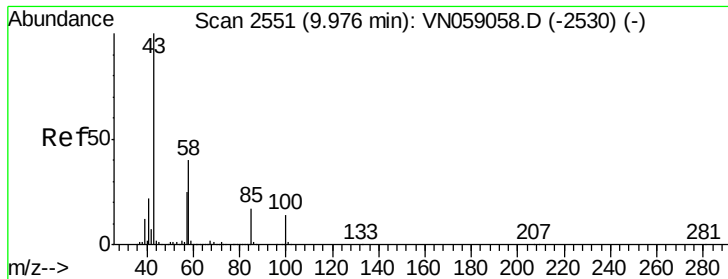
98 100

100 65.2 51.7 77.5



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

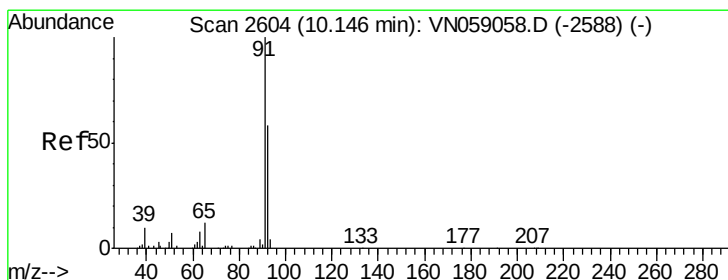
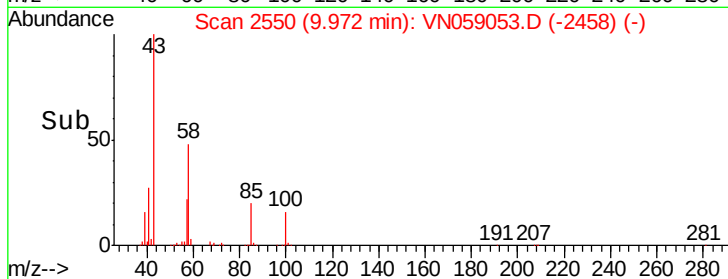
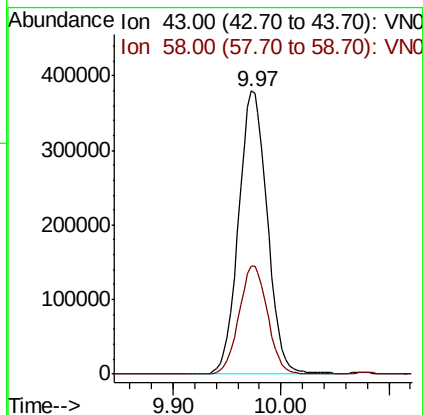
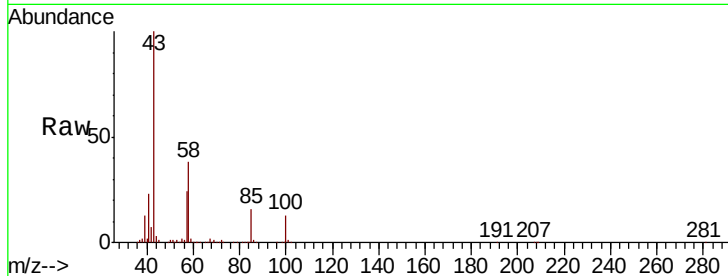




#51
4-Methyl-2-Pentanone
Concen: 110.678 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

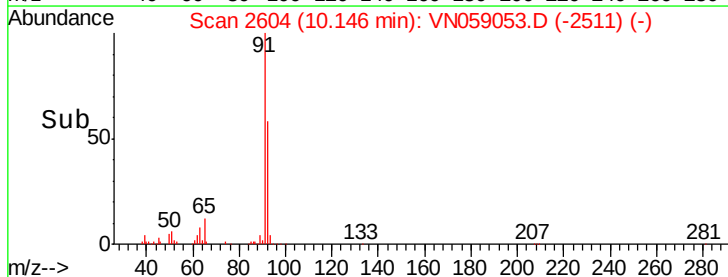
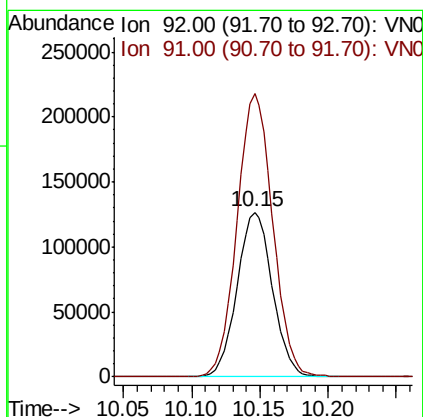
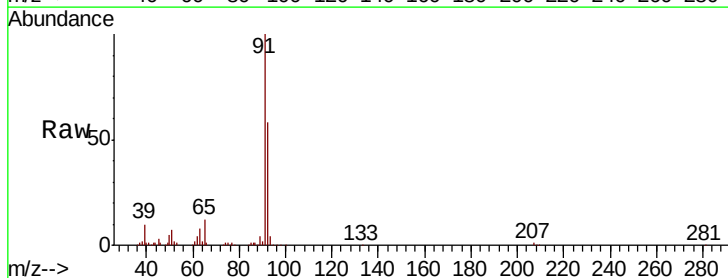
Instrument :
MSVOA_N
ClientSampled :

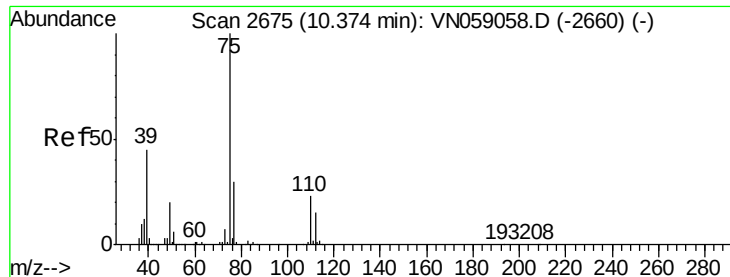
Tot Ion: 43 Resp: 700487
Ion Ratio Lower Upper
43 100
58 38.2 31.8 47.6



#52
Toluene
Concen: 21.035 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 92 Resp: 227843
Ion Ratio Lower Upper
92 100
91 173.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.130 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

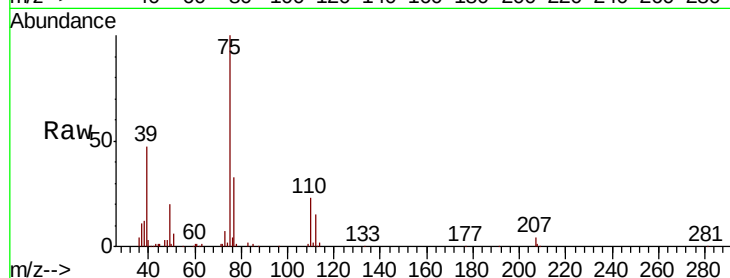
ClientSampleId :

Tot Ion: 75 Resp: 145110

Ion Ratio Lower Upper

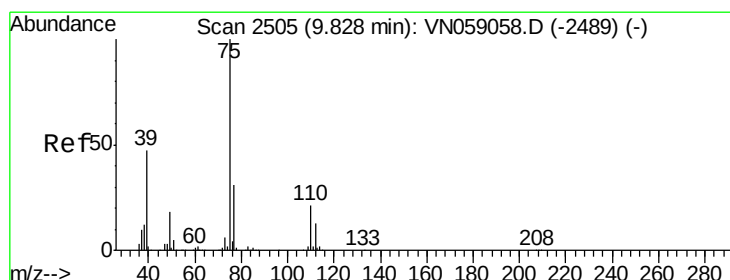
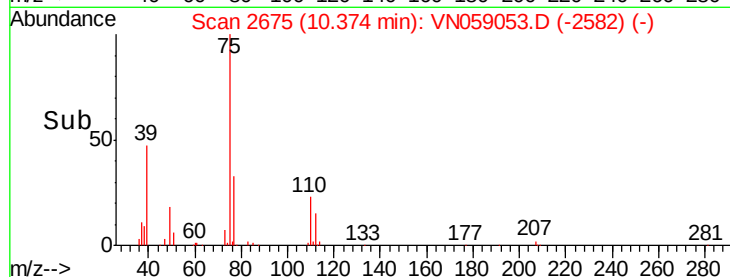
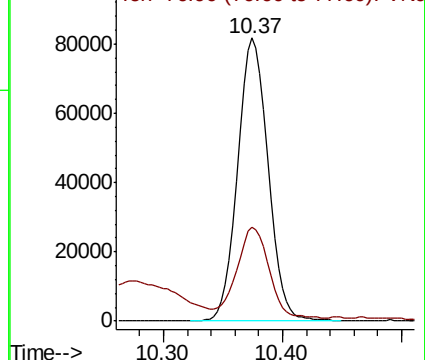
75 100

77 32.1 25.6 38.4



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: 20.426 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

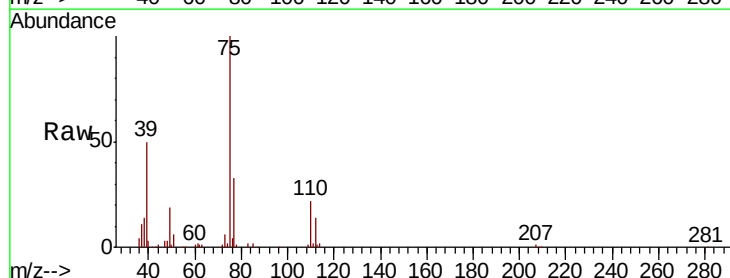
Tgt Ion: 75 Resp: 157715

Ion Ratio Lower Upper

75 100

77 32.9 24.6 37.0

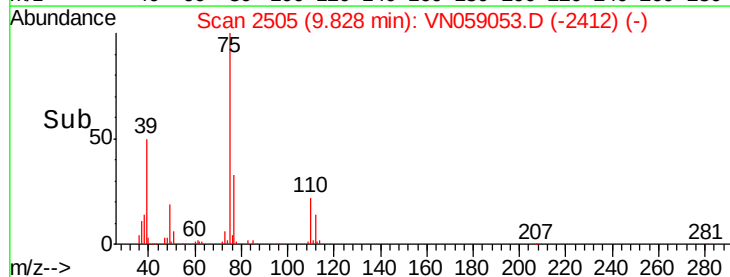
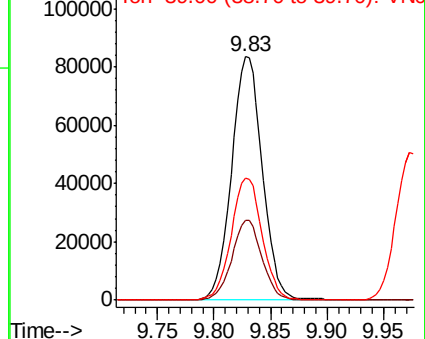
39 49.9 37.4 56.2

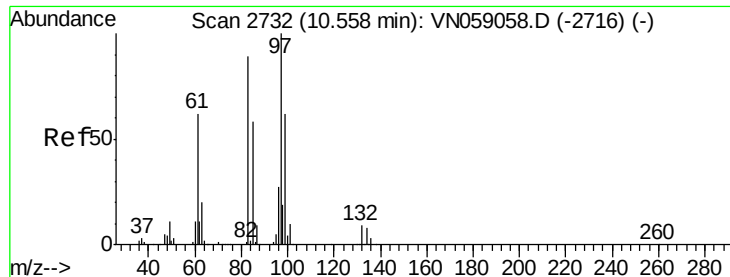


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.420 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 91252

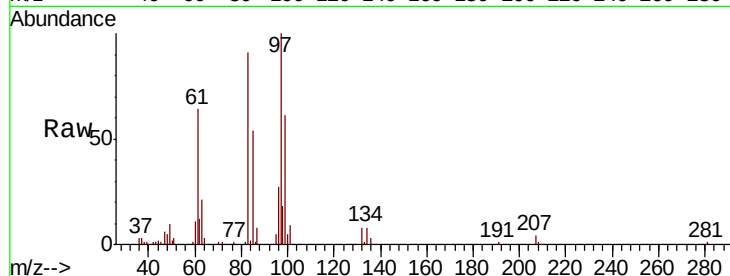
Ion Ratio Lower Upper

97 100

83 90.6 71.4 107.2

85 53.6 46.6 70.0

99 61.2 49.7 74.5



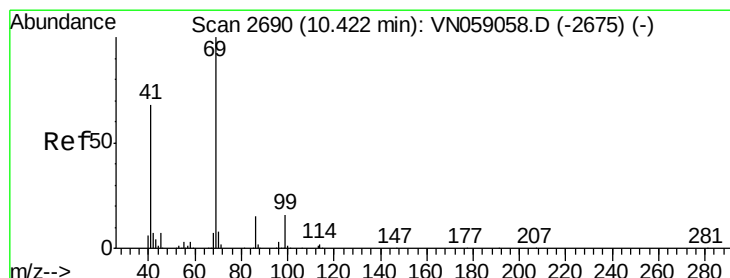
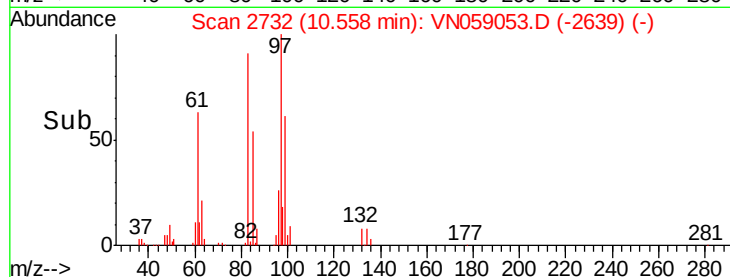
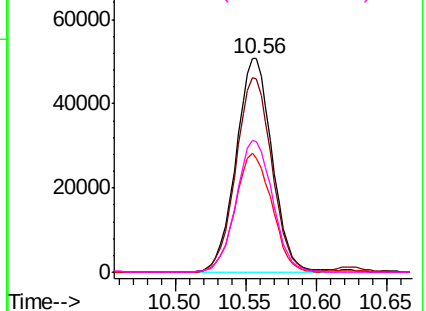
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.410 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

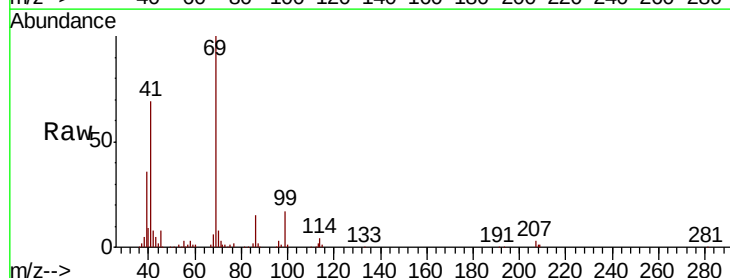
Tgt Ion: 69 Resp: 134659

Ion Ratio Lower Upper

69 100

41 68.7 53.8 80.8

39 35.7 26.2 39.2

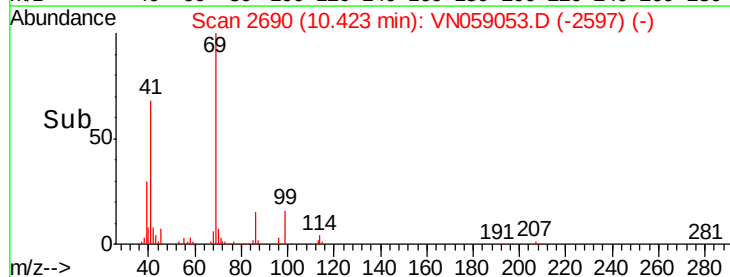
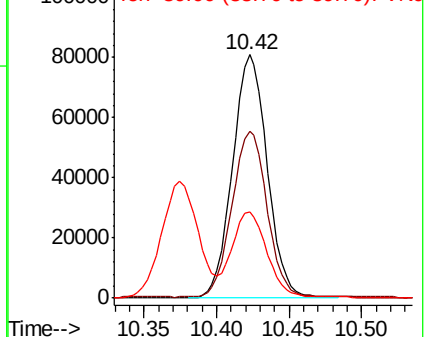


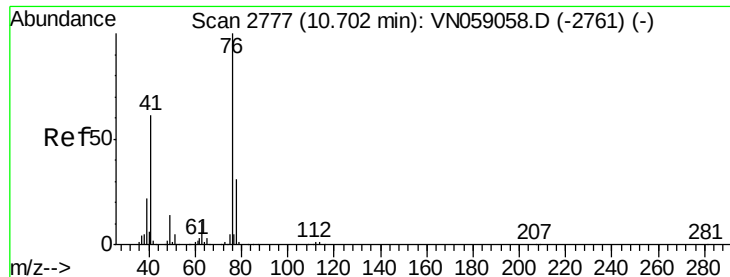
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.100 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

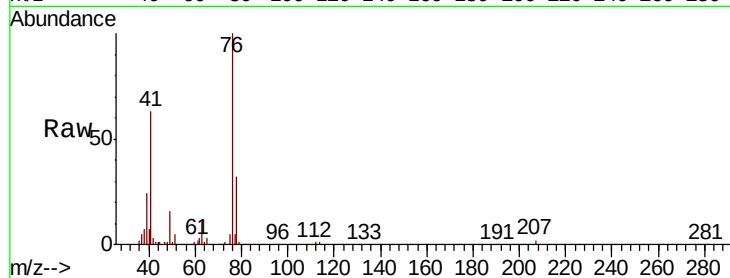
ClientSampleId :

Tot Ion: 76 Resp: 157007

Ion Ratio Lower Upper

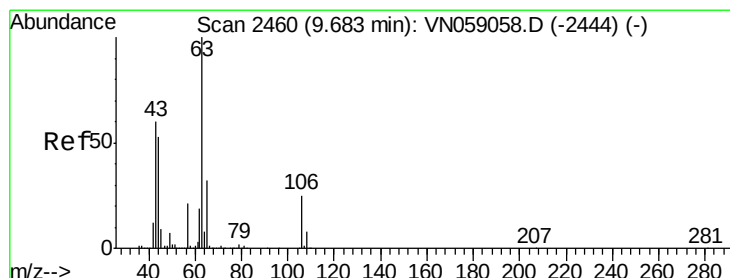
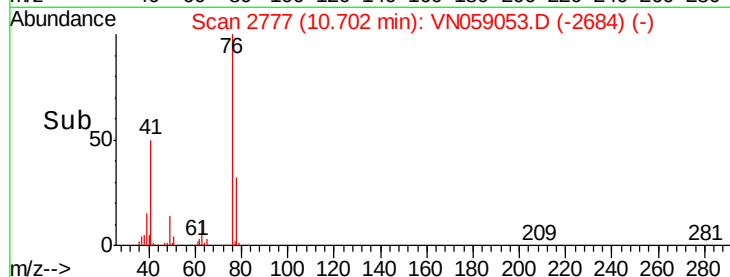
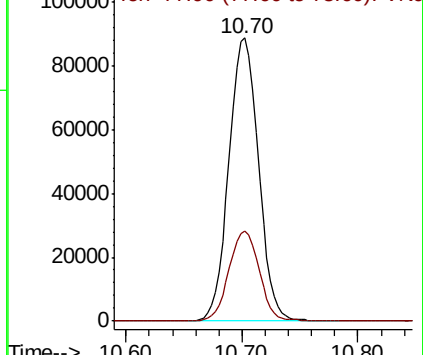
76 100

78 32.7 25.8 38.6



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: 96.745 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059053.D

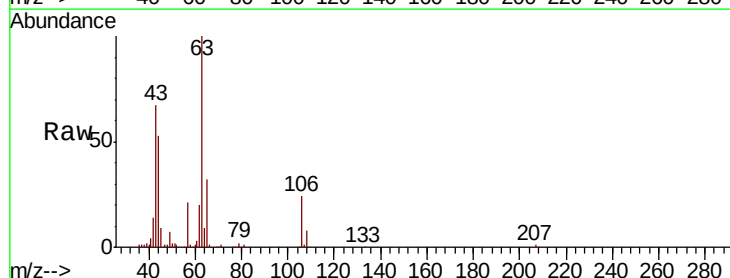
Acq: 1 Nov 2019 11:09

Tgt Ion: 63 Resp: 268398

Ion Ratio Lower Upper

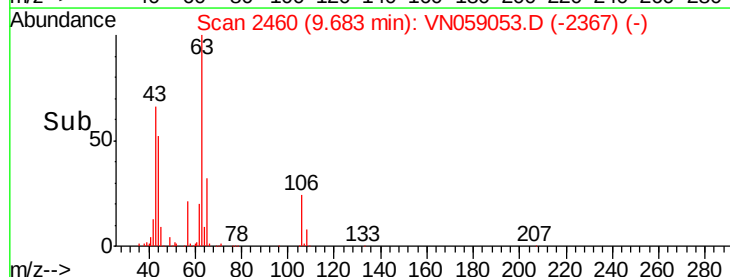
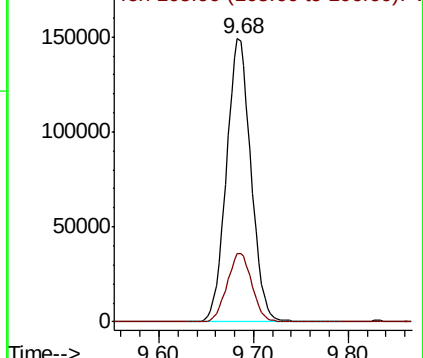
63 100

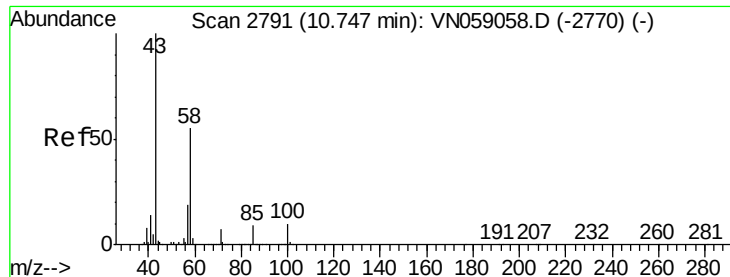
106 24.4 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

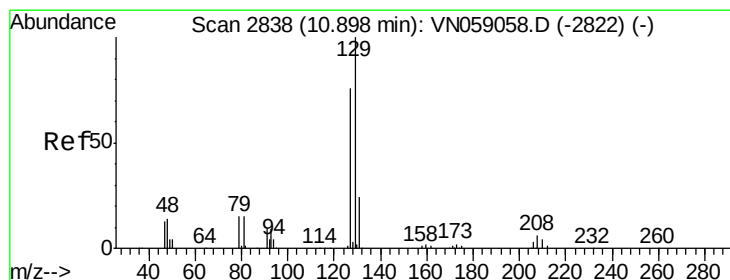
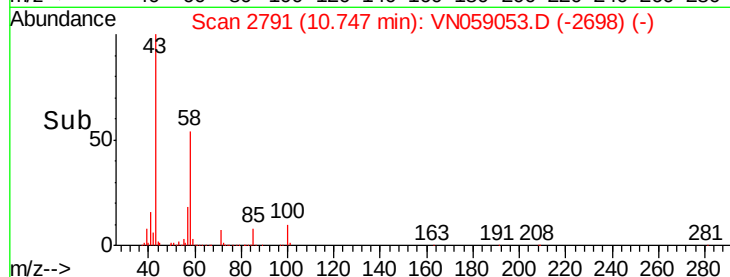
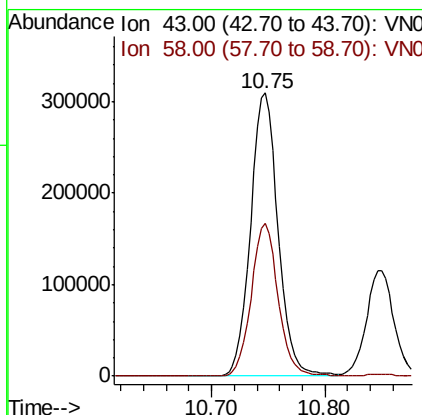
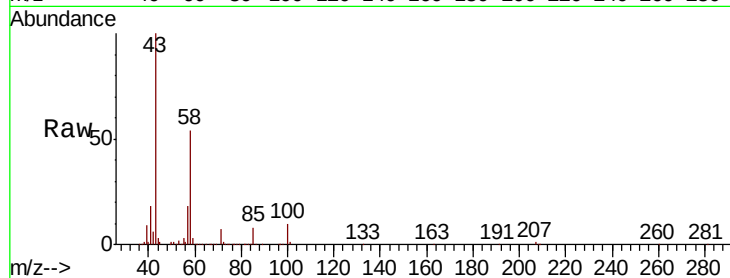




#59
2-Hexanone
Concen: 106.758 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

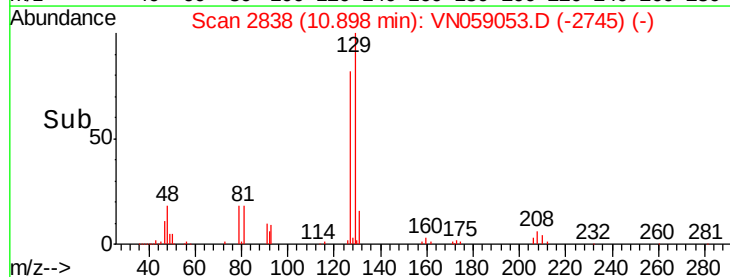
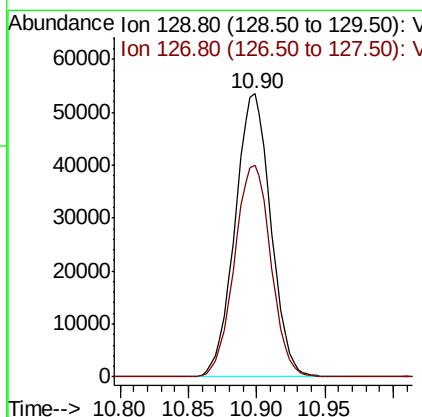
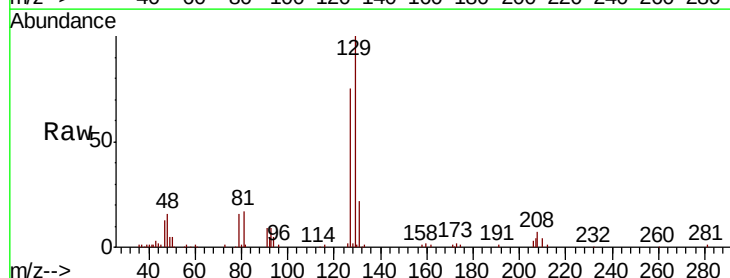
Instrument :
MSVOA_N
ClientSampleId :

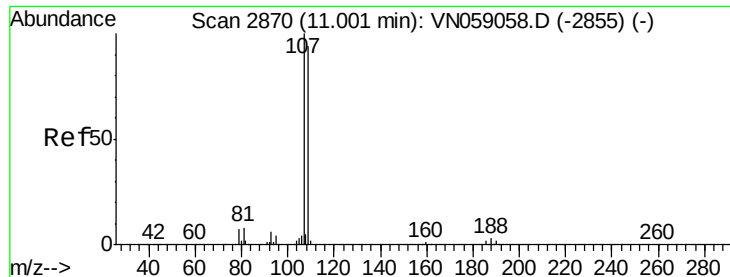
Tot Ion: 43 Resp: 521197
Ion Ratio Lower Upper
43 100
58 53.1 27.4 82.2



#60
Dibromochloromethane
Concen: 20.314 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 129 Resp: 97581
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.8

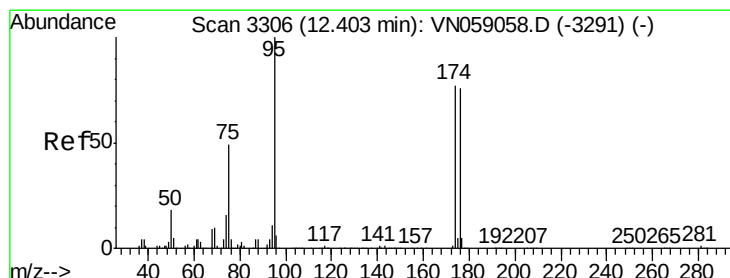
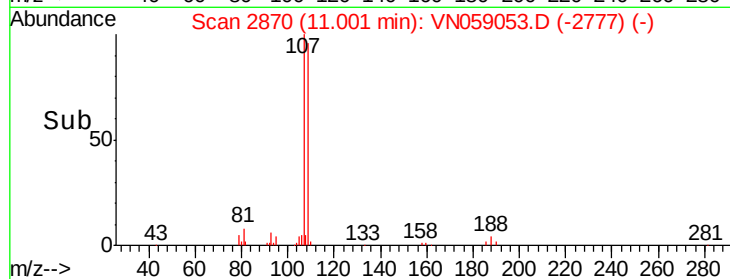
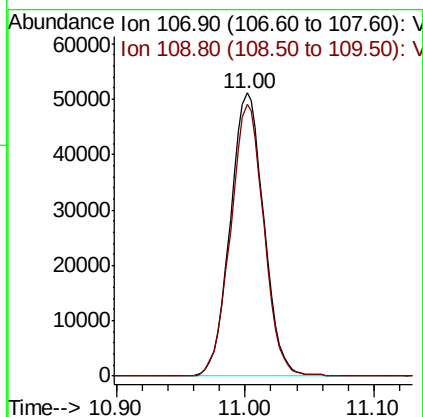
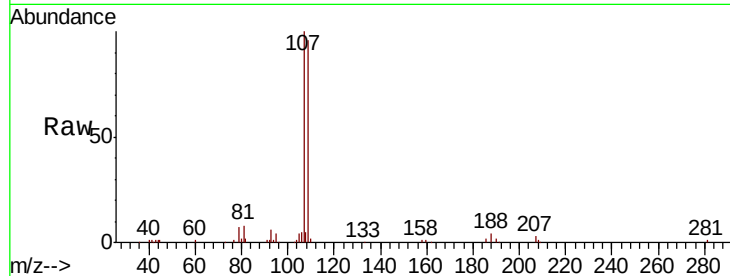




#61
 1,2-Dibromoethane
 Concen: 20.275 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

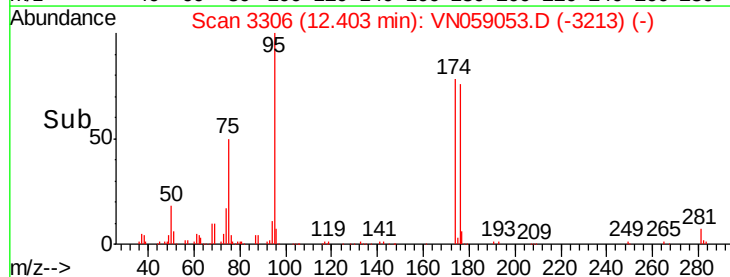
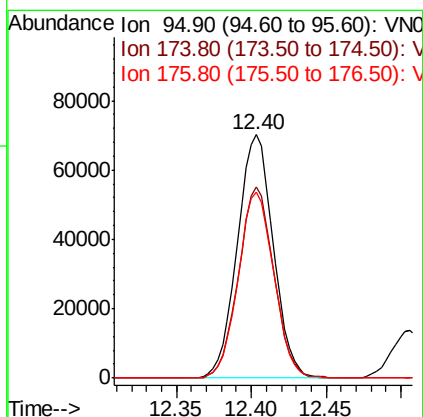
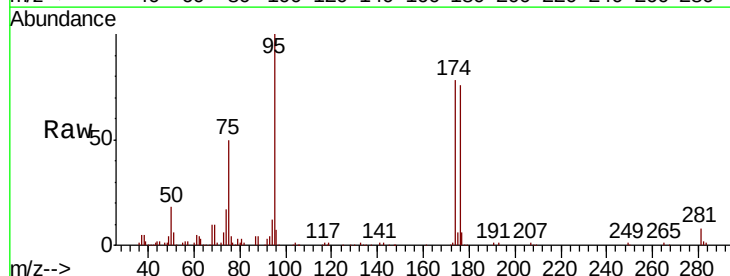
Instrument :
 MSVOA_N
 ClientSampled :

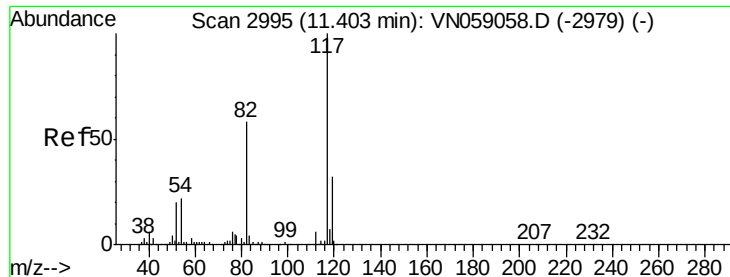
Tot Ion: 107 Resp: 92528
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 20.332 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Tgt Ion: 95 Resp: 117318
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 155.8
 176 75.9 0.0 151.6

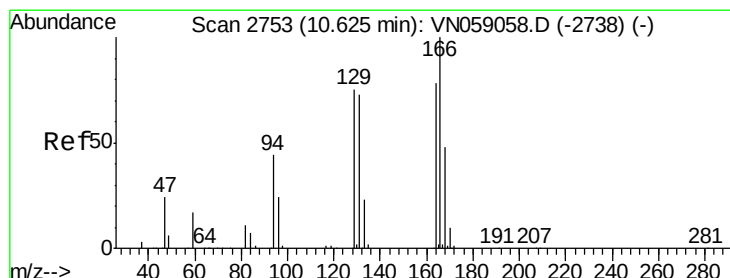
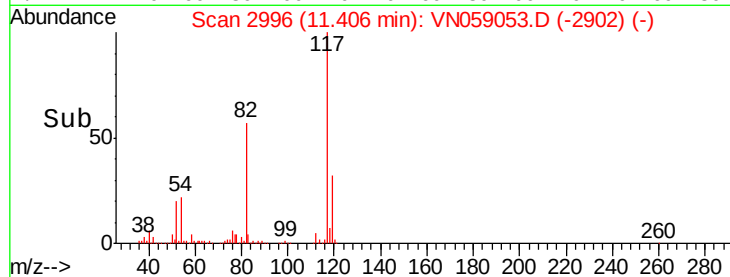
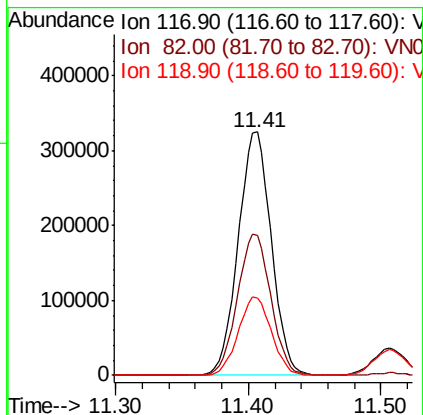
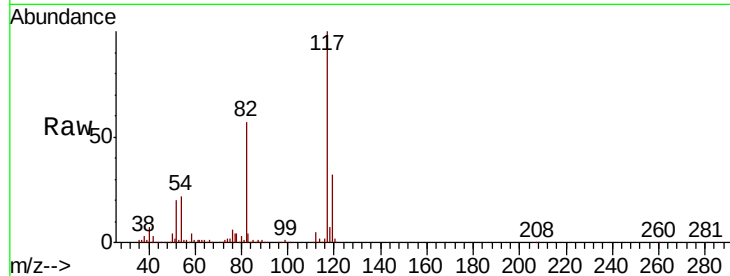




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

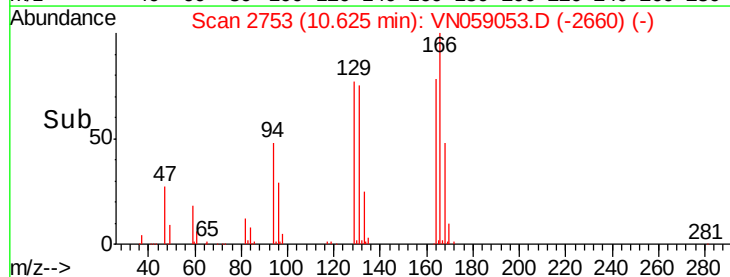
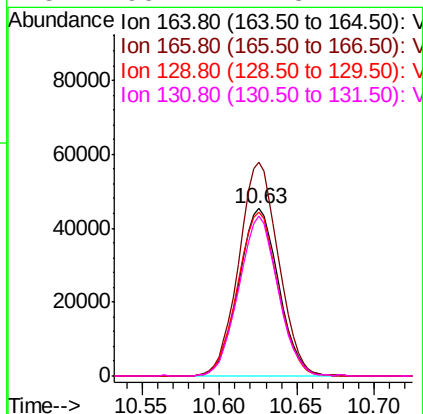
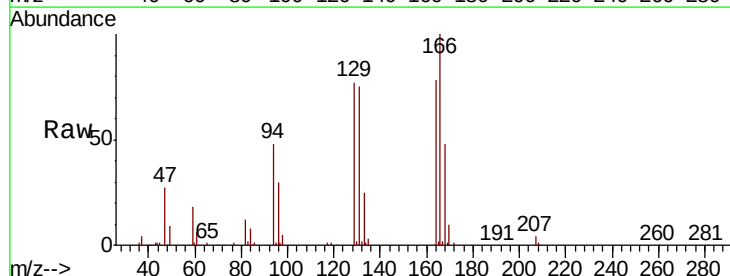
Instrument :
MSVOA_N
ClientSampleId :

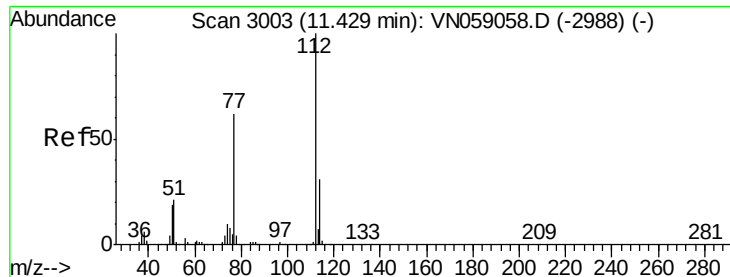
Tot Ion:117 Resp: 563540
Ion Ratio Lower Upper
117 100
82 57.2 46.0 69.0
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 20.902 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion:164 Resp: 81577
Ion Ratio Lower Upper
164 100
166 127.6 102.7 154.1
129 98.1 77.3 115.9
131 95.2 74.8 112.2

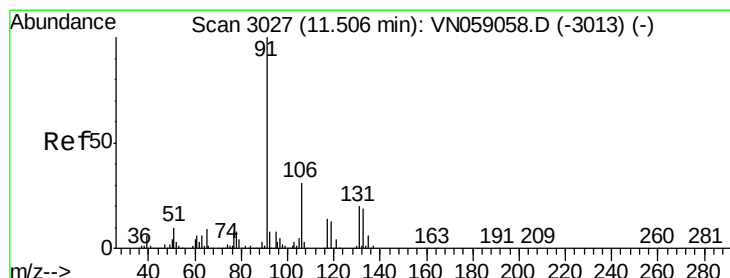
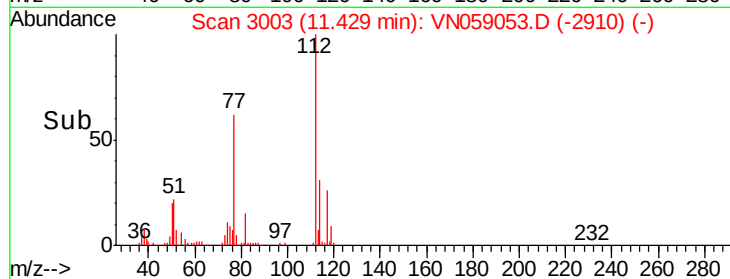
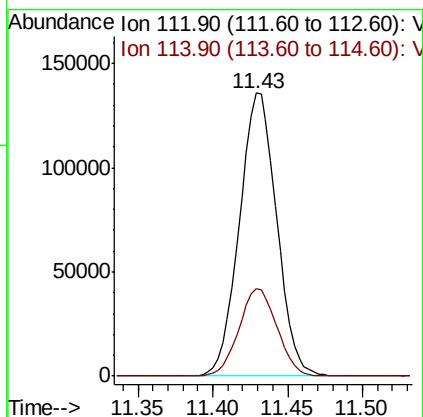
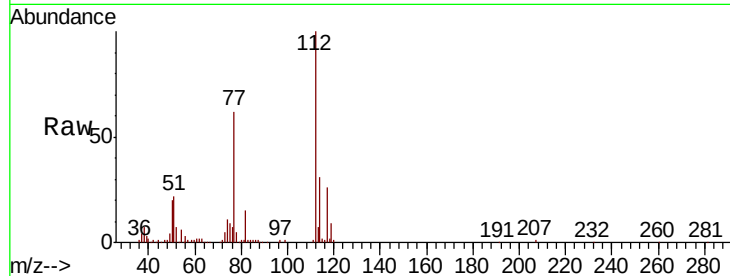




#65
Chlorobenzene
Concen: 20.752 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

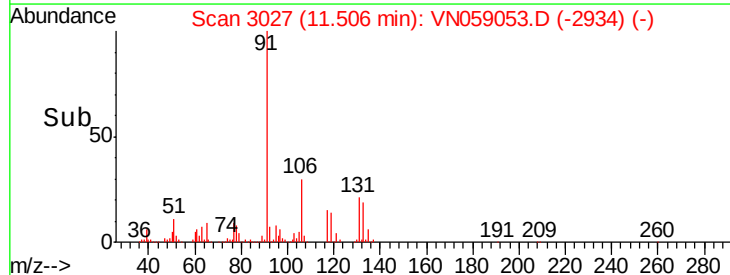
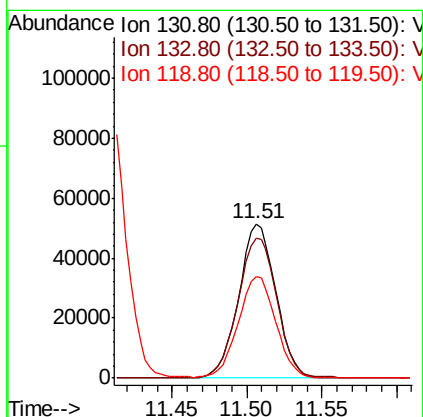
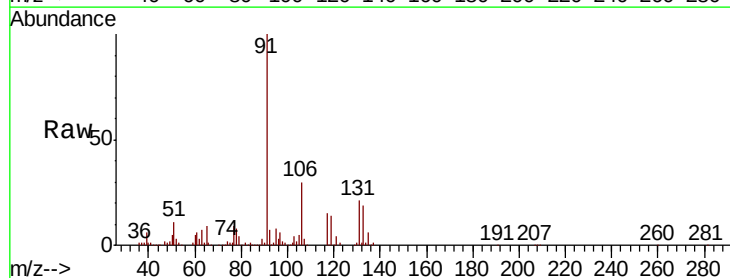
Instrument :
MSVOA_N
ClientSampleId :

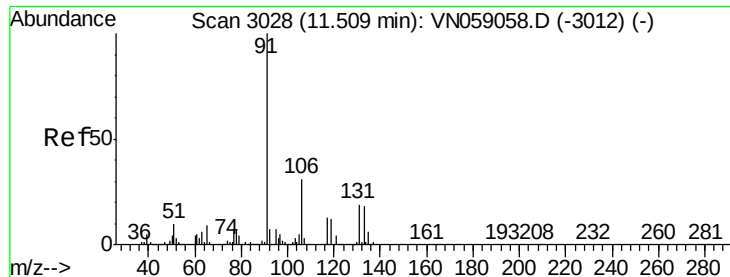
Tot Ion:112 Resp: 235740
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.728 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion:131 Resp: 88698
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.6
119 66.9 33.5 100.5





#67

Ethyl Benzene

Concen: 21.468 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

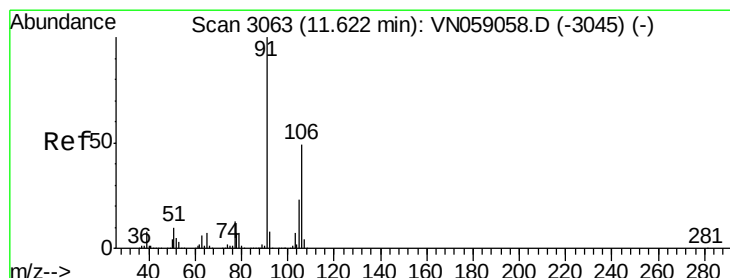
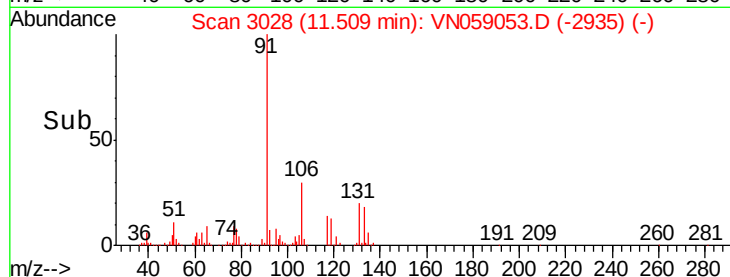
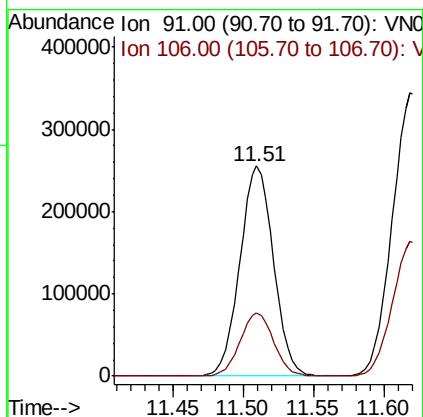
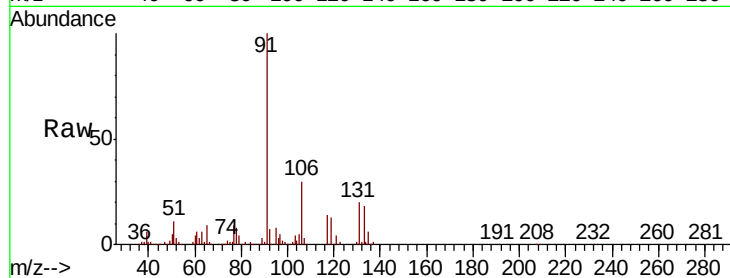
ClientSampleId :

Tot Ion: 91 Resp: 426715

Ion Ratio Lower Upper

91 100

106 30.1 24.6 36.8



#68

m/p-Xylenes

Concen: 43.103 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059053.D

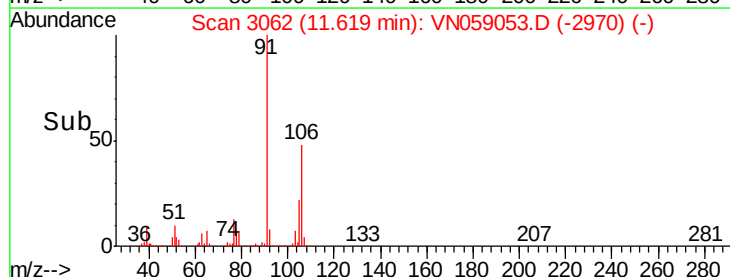
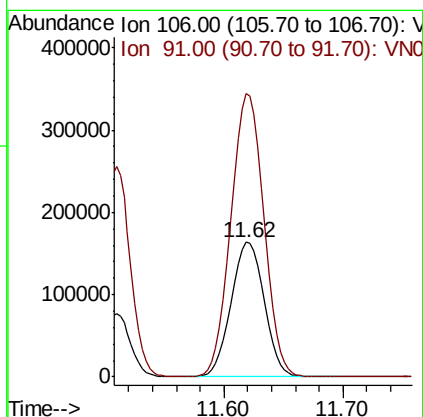
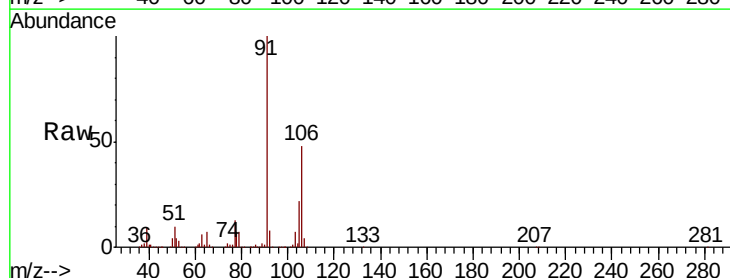
Acq: 1 Nov 2019 11:09

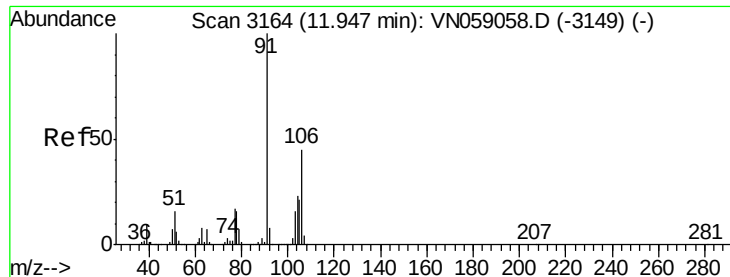
Tgt Ion: 106 Resp: 317292

Ion Ratio Lower Upper

106 100

91 208.6 165.7 248.5

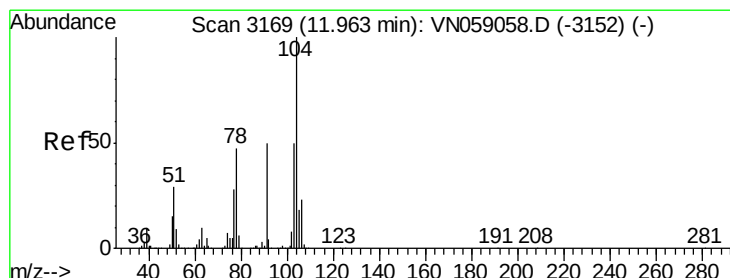
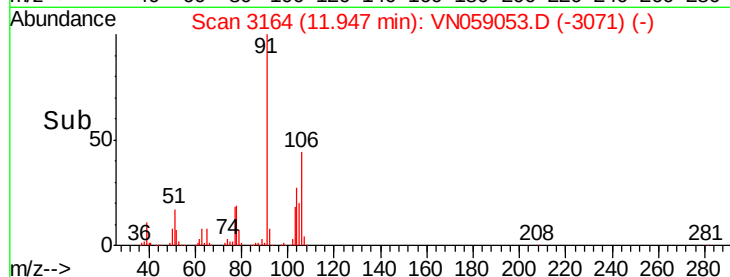
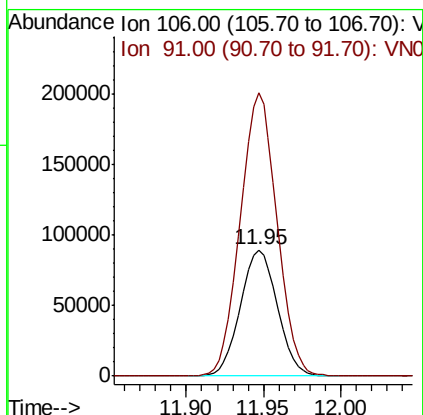
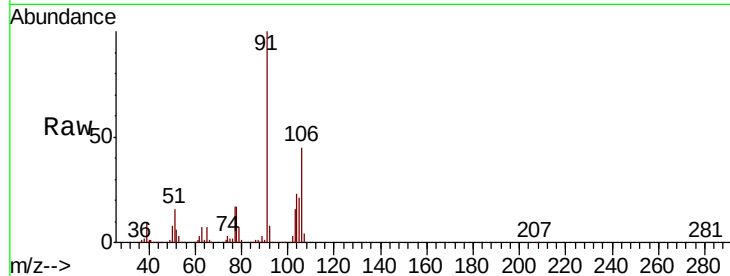




#69
o-Xylene
Concen: 21.149 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

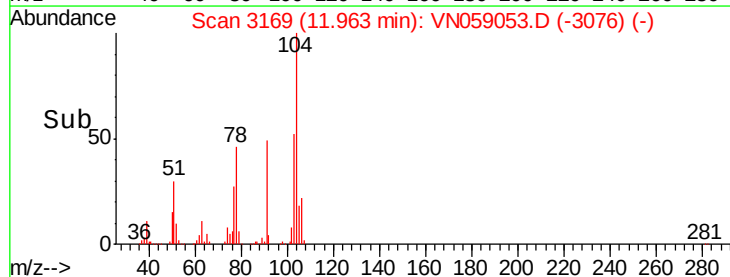
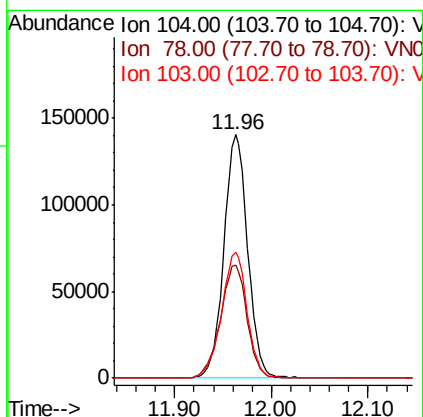
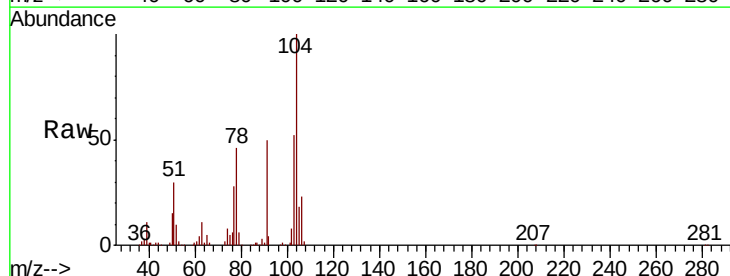
Instrument :
MSVOA_N
ClientSampled :

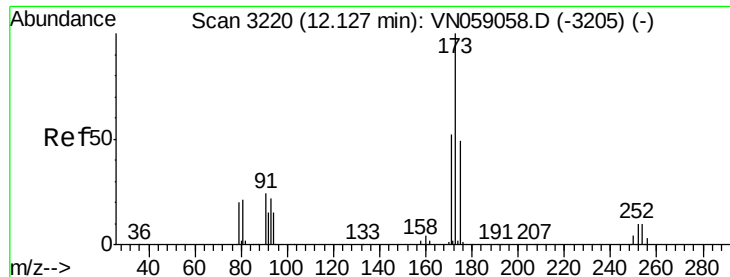
Tot Ion:106 Resp: 148884
Ion Ratio Lower Upper
106 100
91 222.7 110.4 331.2



#70
Styrene
Concen: 20.900 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion:104 Resp: 239922
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 55.6 43.9 65.9





#71

Bromoform

Concen: 20.711 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

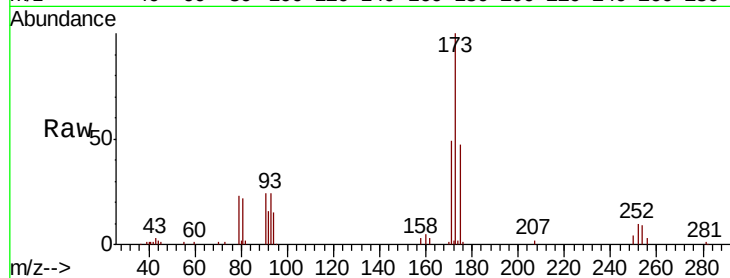
Tot Ion:173 Resp: 69056

Ion Ratio Lower Upper

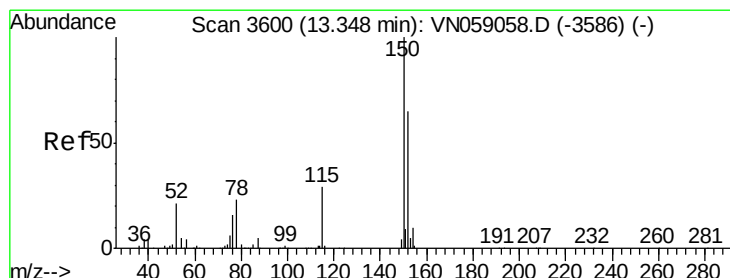
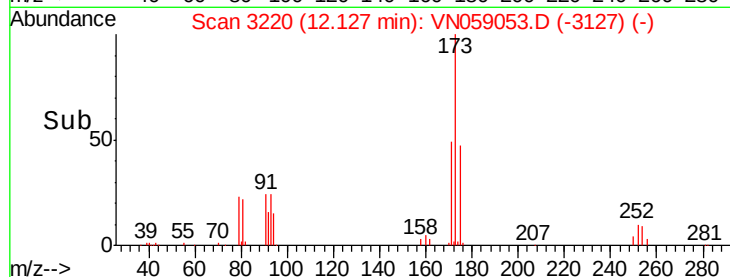
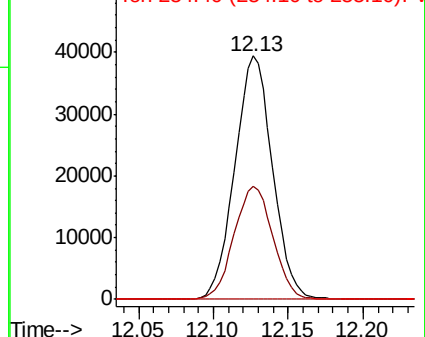
173 100

175 47.7 24.4 73.2

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: VN059053.D

Acq: 1 Nov 2019 11:09

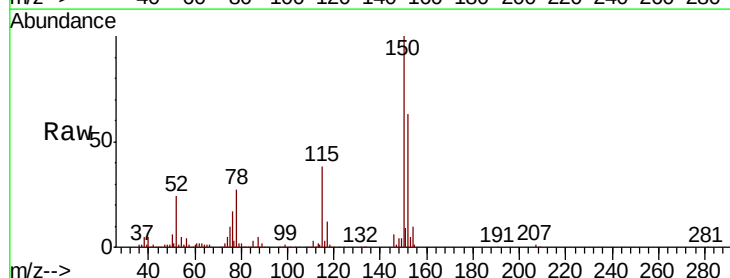
Tgt Ion:152 Resp: 251298

Ion Ratio Lower Upper

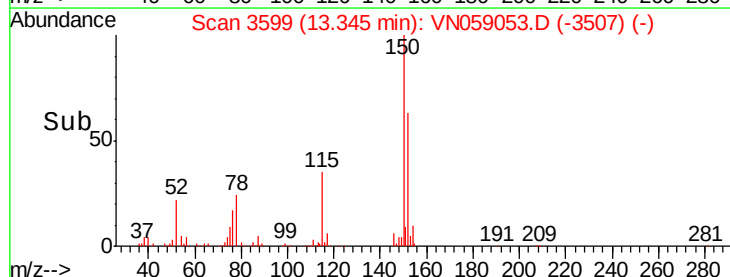
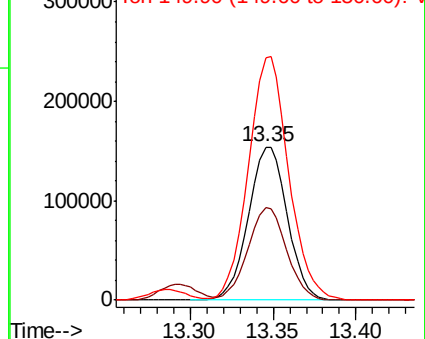
152 100

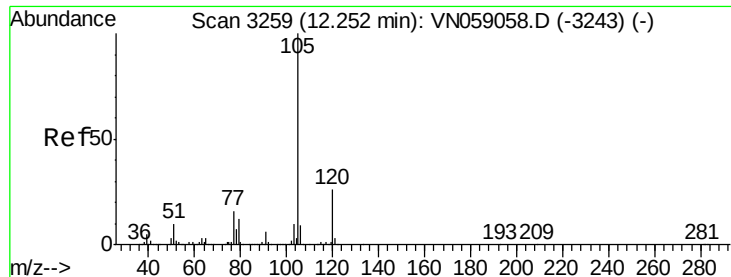
115 60.6 29.6 88.9

150 164.2 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

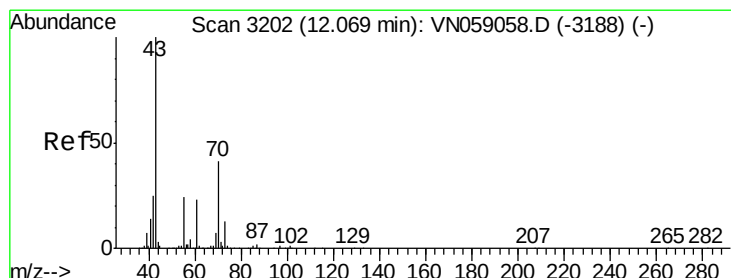
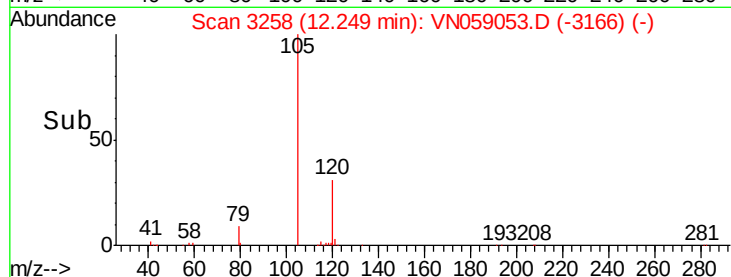
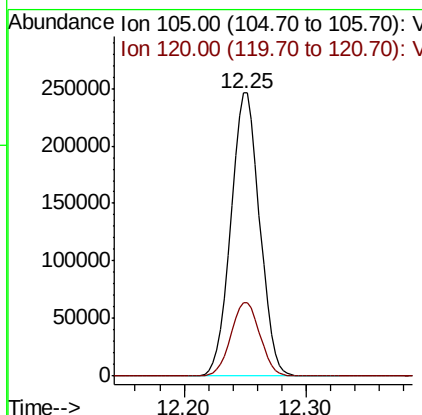
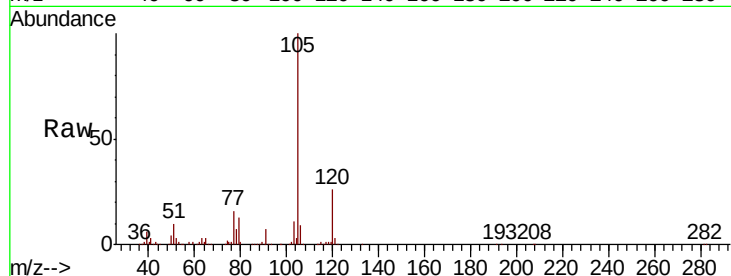




#73
Isopropylbenzene
Concen: 22.203 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

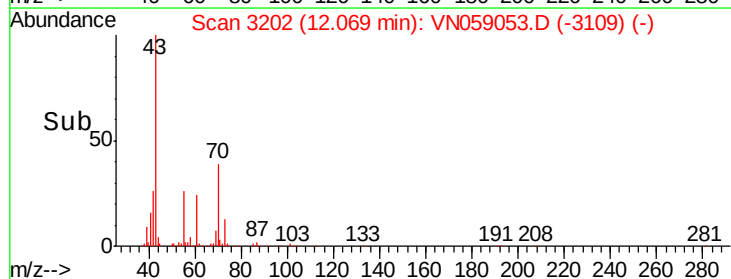
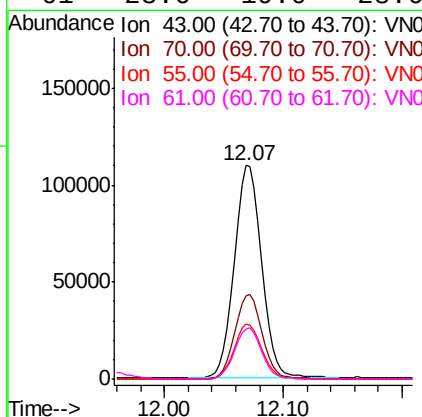
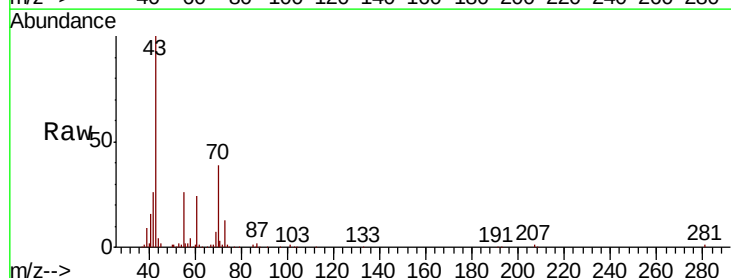
Instrument :
MSVOA_N
ClientSampled :

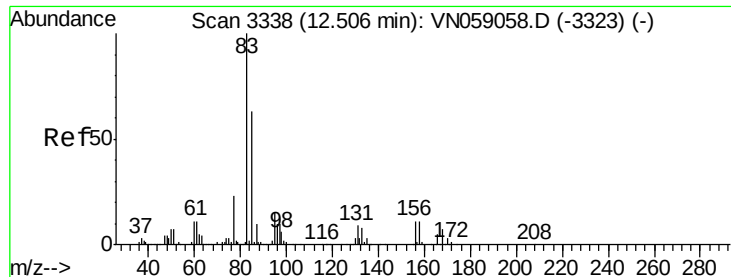
Tot Ion:105 Resp: 404301
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1



#74
N-ethyl acetate
Concen: 21.286 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 43 Resp: 174607
Ion Ratio Lower Upper
43 100
70 40.0 32.6 49.0
55 26.4 19.7 29.5
61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.667 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

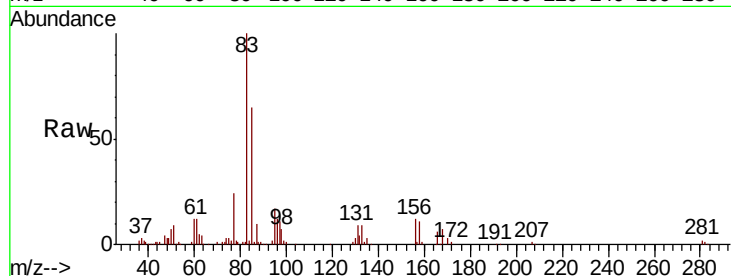
Tot Ion: 83 Resp: 138694

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

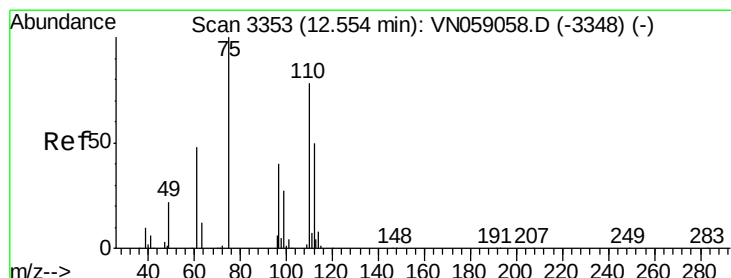
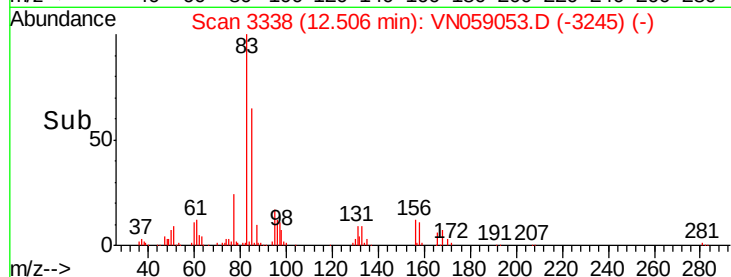
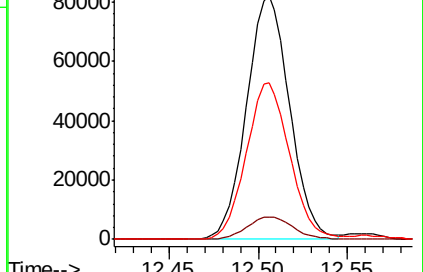
85 65.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059053.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059053.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059053.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 31.642 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059053.D

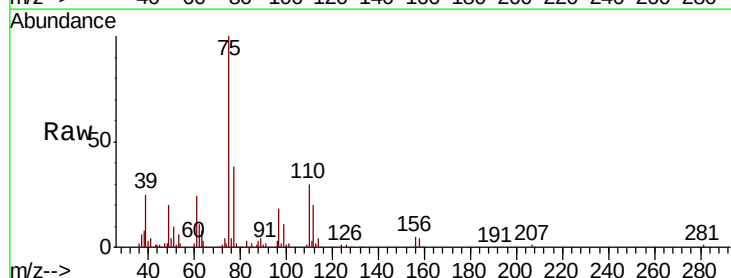
Acq: 1 Nov 2019 11:09

Tgt Ion: 75 Resp: 184426

Ion Ratio Lower Upper

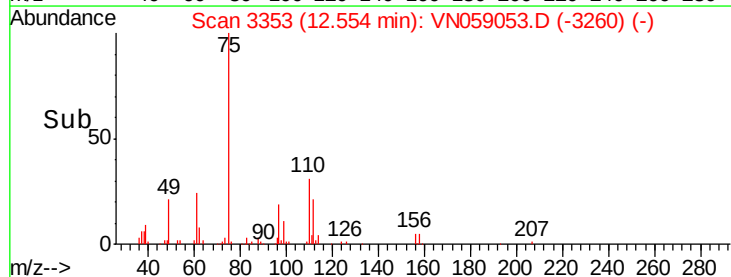
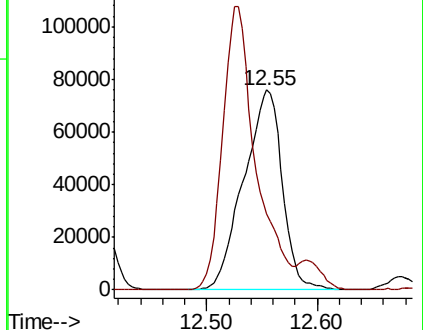
75 100

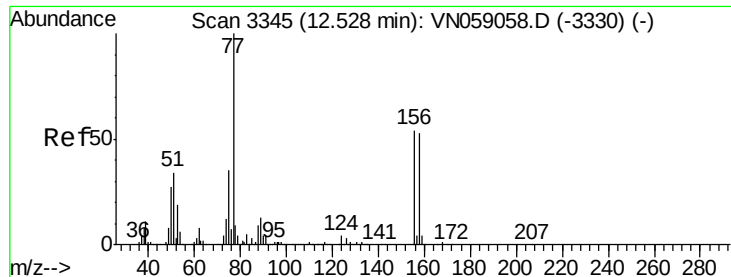
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059053.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059053.D (-3353) (-)





#77

Bromobenzene

Concen: 21.423 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

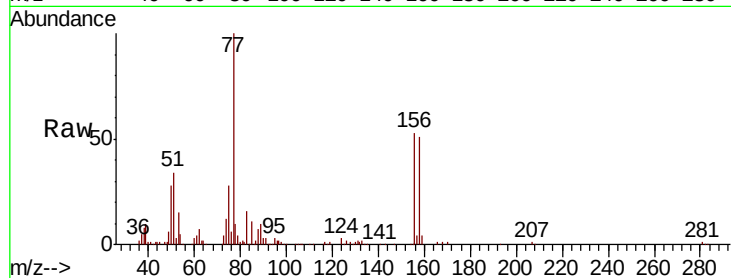
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:156 Resp: 96297

Ion	Ratio	Lower	Upper
156	100		
77	234.7	114.2	342.6
158	96.9	49.6	149.0

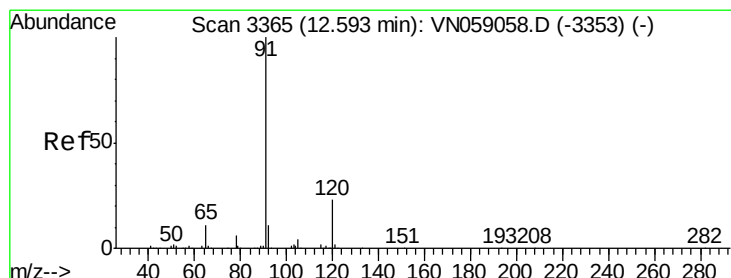
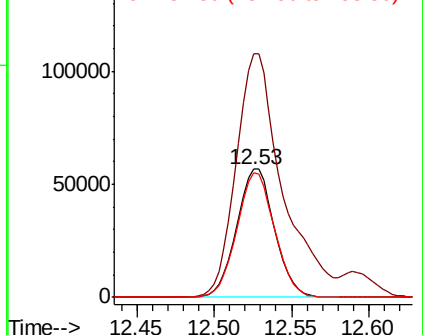
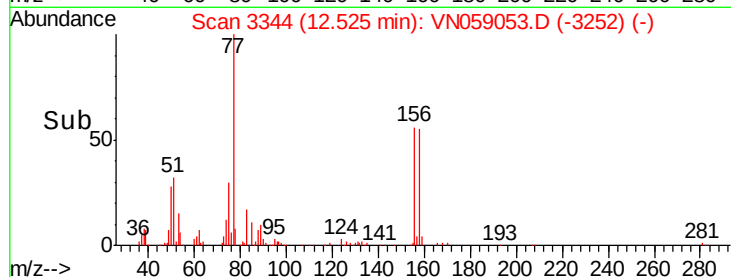


Abundance

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: 21.754 ug/l

RT: 12.59 min Scan# 3365

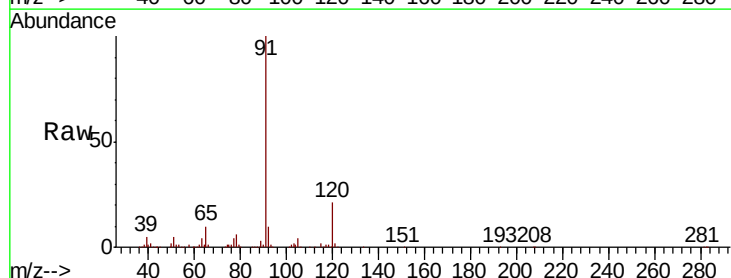
Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Tgt Ion: 91 Resp: 467679

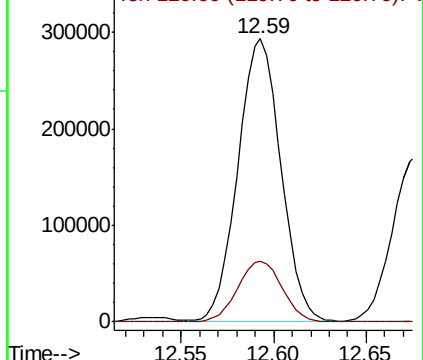
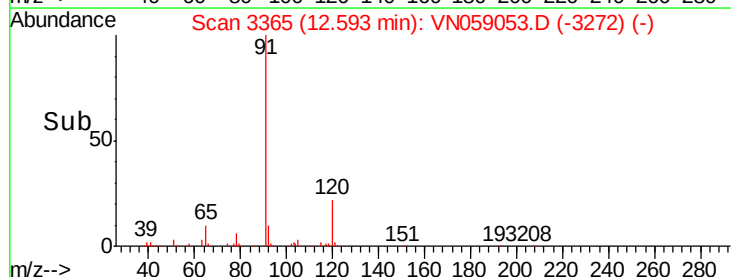
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5

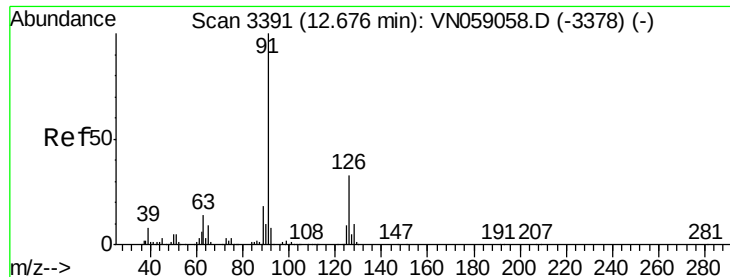


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.430 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

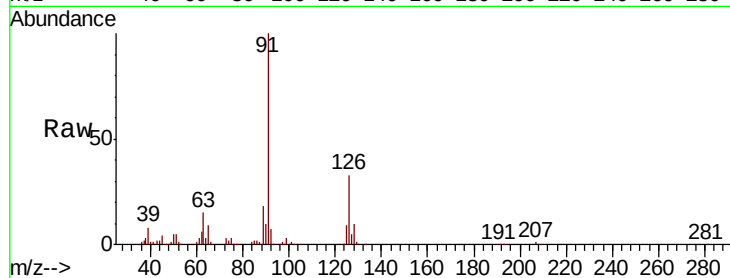
ClientSampled :

Tot Ion: 91 Resp: 282393

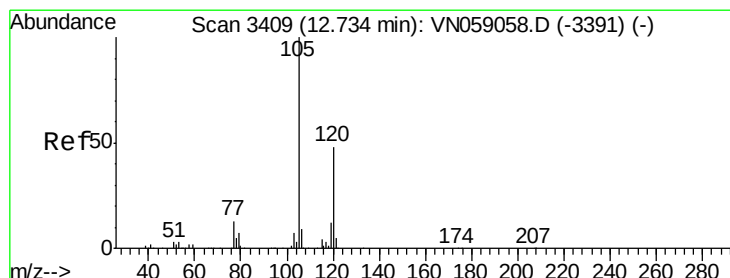
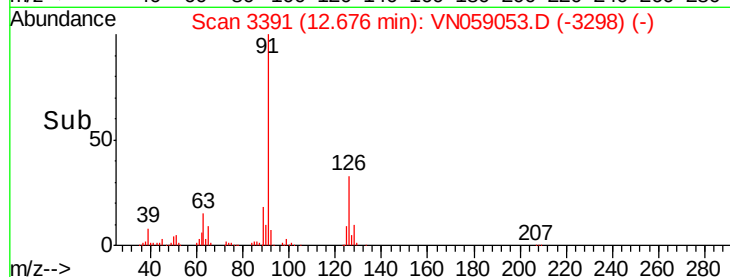
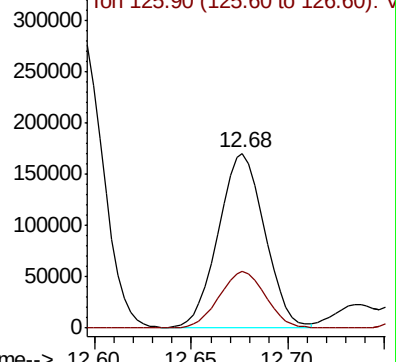
Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN059058.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.336 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059053.D

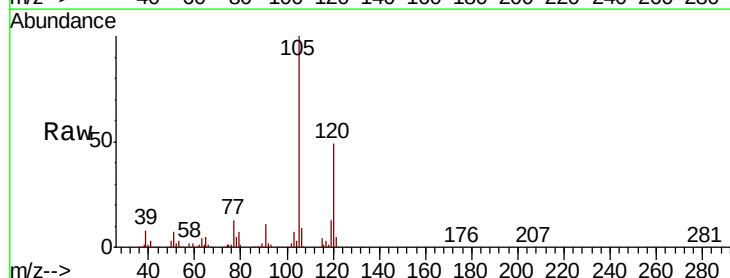
Acq: 1 Nov 2019 11:09

Tgt Ion: 105 Resp: 340566

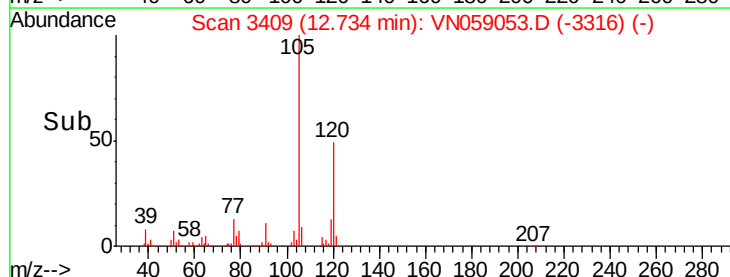
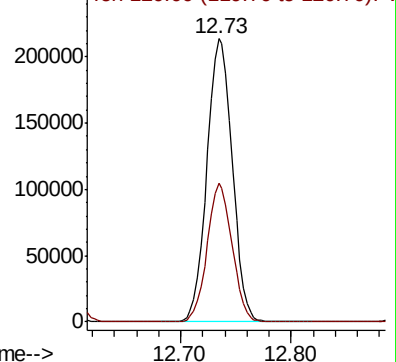
Ion Ratio Lower Upper

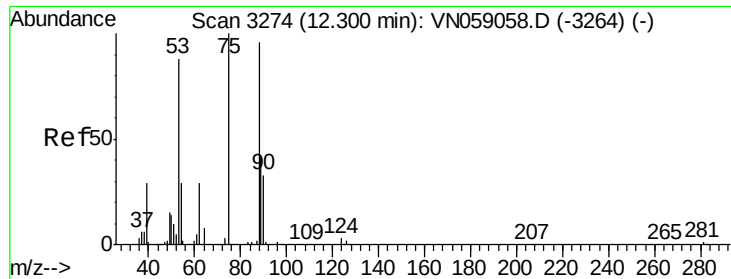
105 100

120 48.1 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN059058.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.319 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

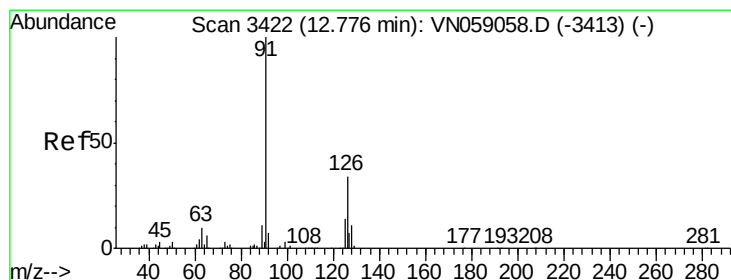
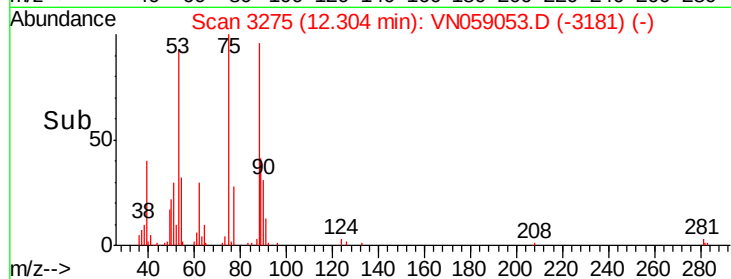
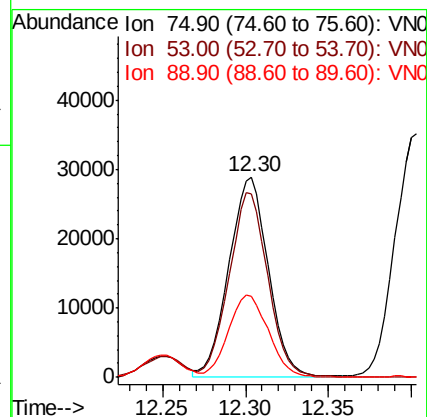
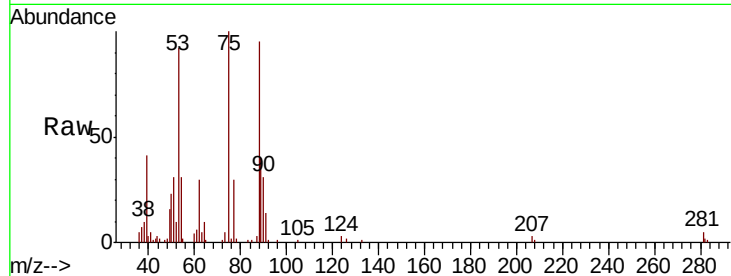
Tot Ion: 75 Resp: 47604

Ion Ratio Lower Upper

75 100

53 91.2 70.4 105.6

89 41.7 34.2 51.2



#82

4-Chlorotoluene

Concen: 21.166 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059053.D

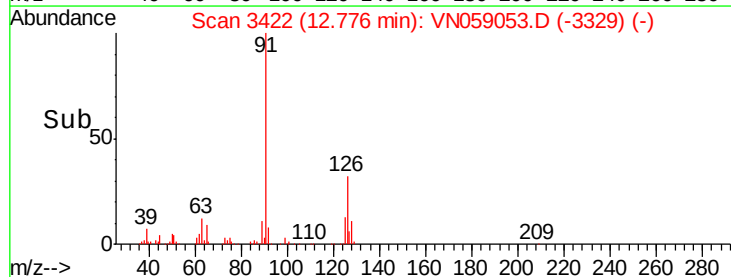
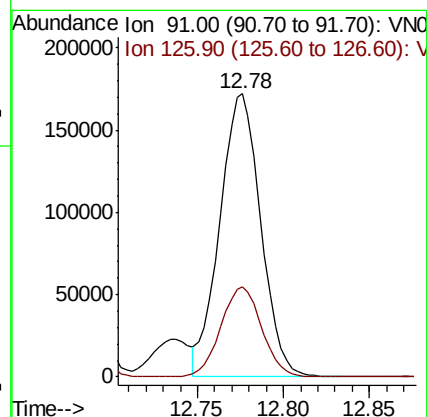
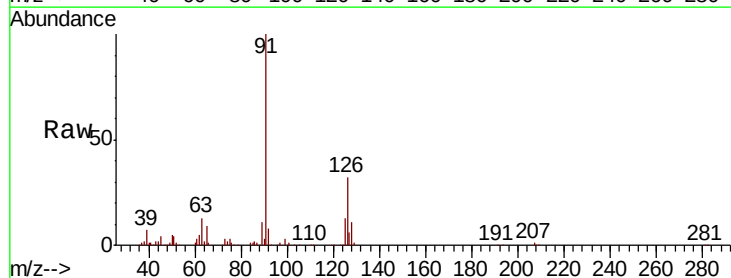
Acq: 1 Nov 2019 11:09

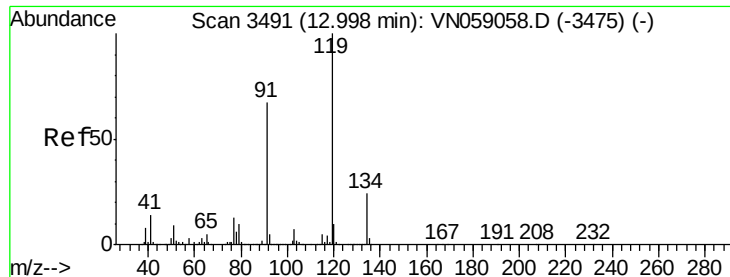
Tgt Ion: 91 Resp: 284195

Ion Ratio Lower Upper

91 100

126 32.1 16.0 47.9

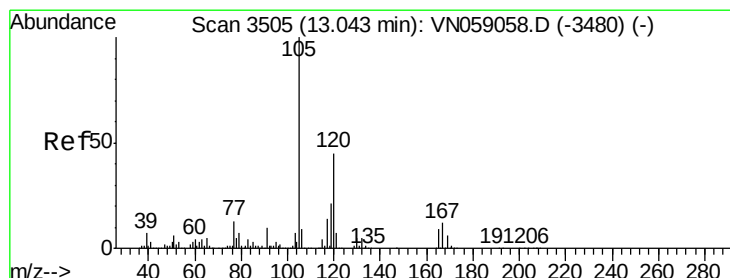
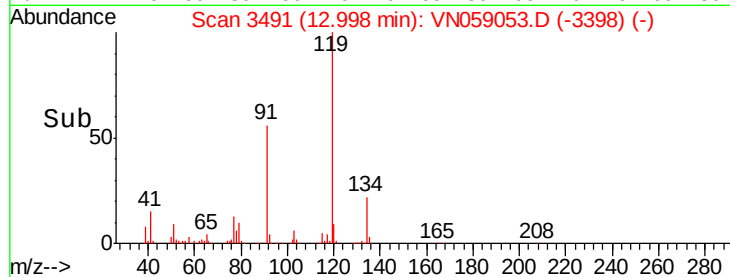
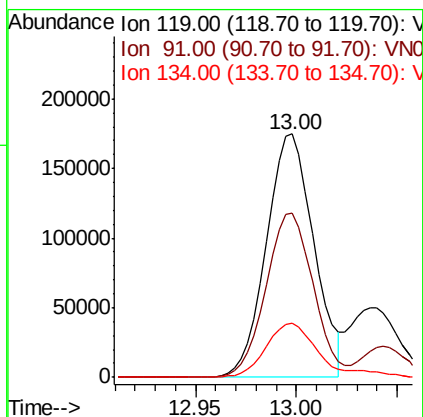
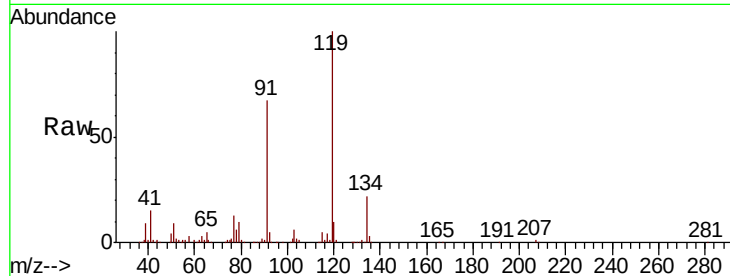




#83
 tert-Butylbenzene
 Concen: 21.898 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

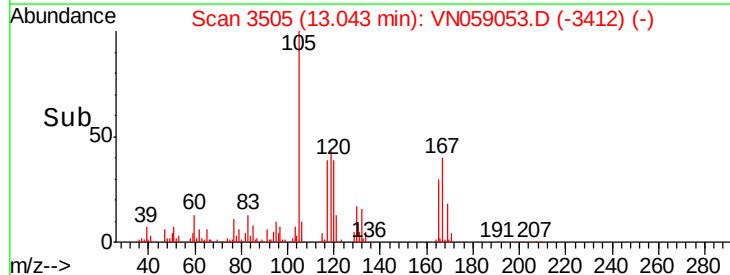
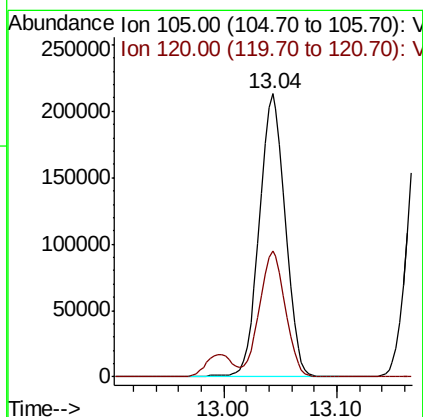
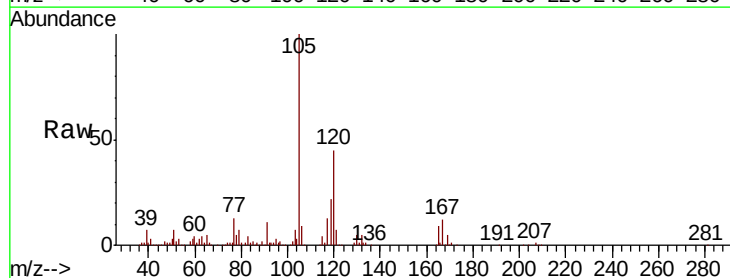
Instrument :
 MSVOA_N
 ClientSampleId :

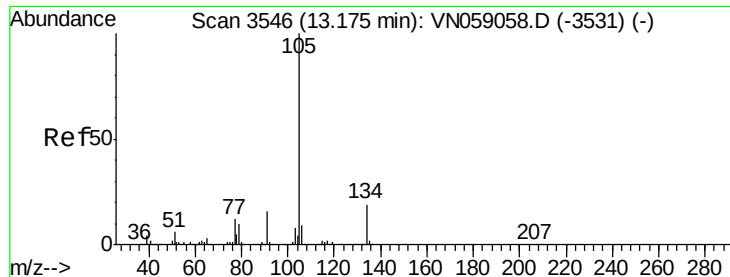
Tot Ion:119 Resp: 285942
 Ion Ratio Lower Upper
 119 100
 91 67.0 33.7 101.0
 134 25.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.656 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Tgt Ion:105 Resp: 340514
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 21.887 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

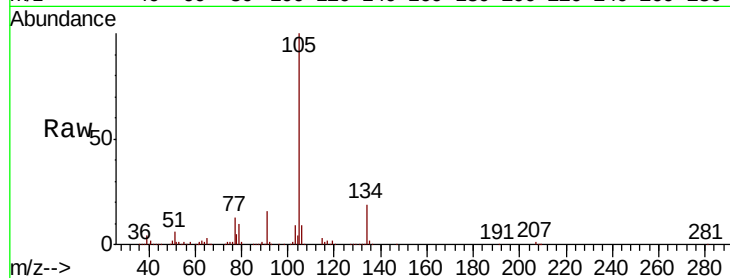
ClientSampled :

Tot Ion:105 Resp: 380191

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

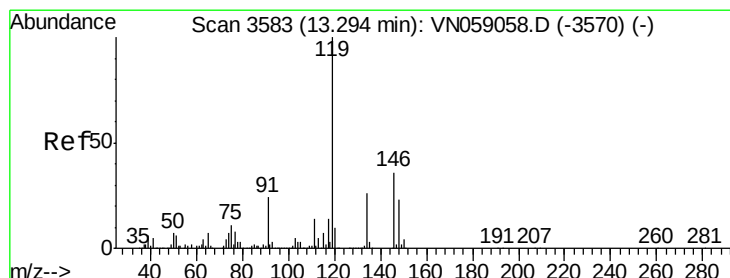
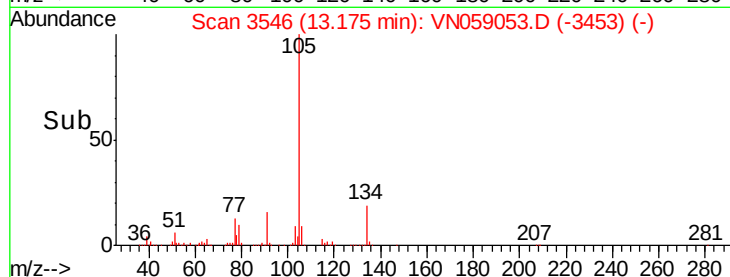
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.223 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

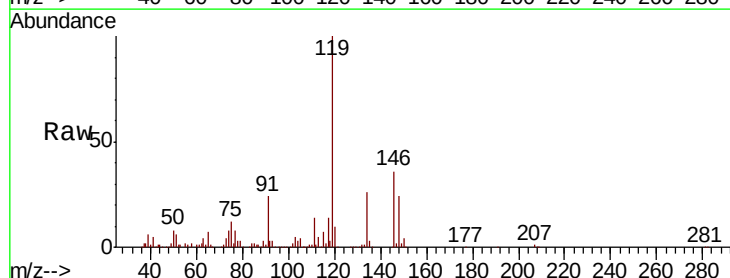
Tgt Ion:119 Resp: 341131

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.1 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

300000

250000

200000

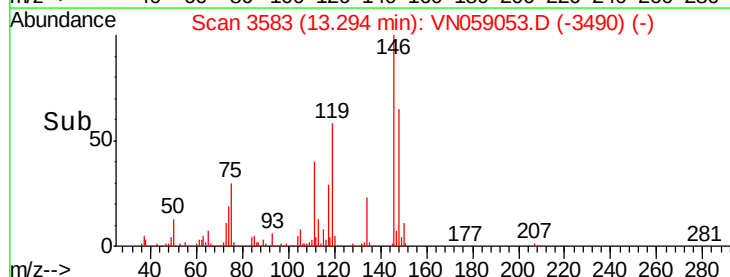
150000

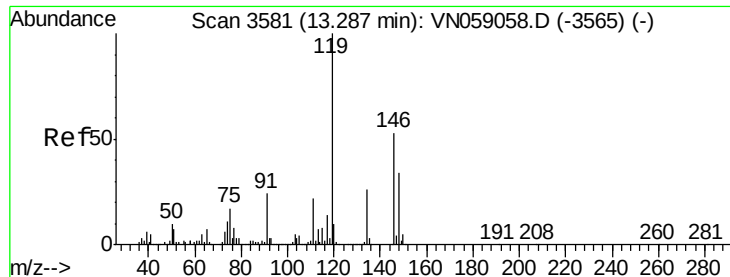
100000

50000

0

Time-->

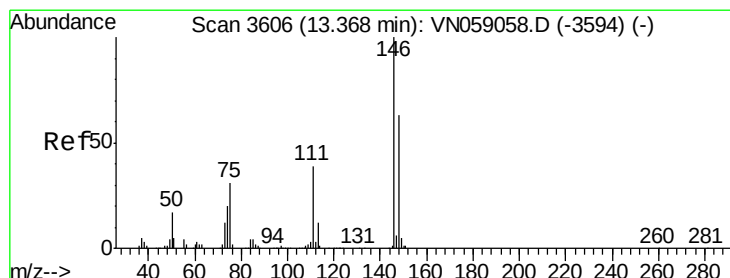
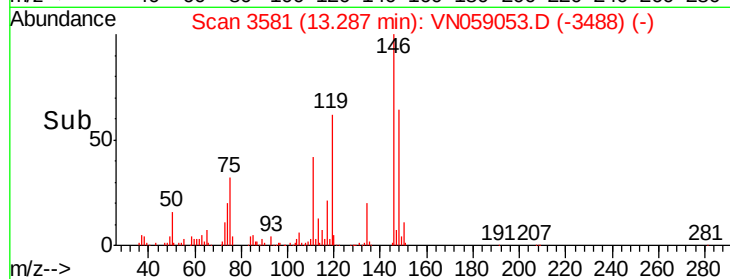
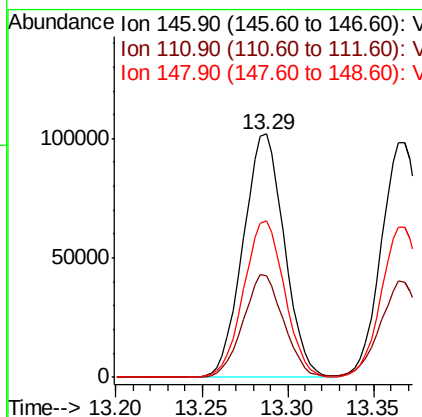
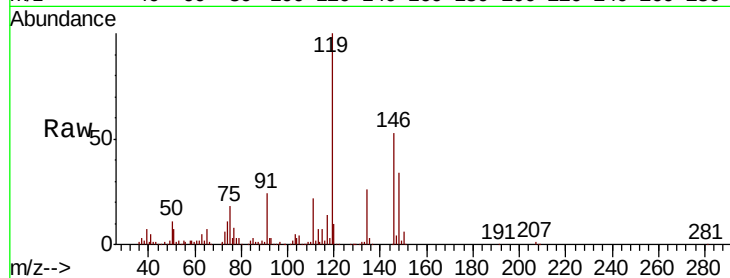




#87
 1,3-Dichlorobenzene
 Concen: 21.141 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

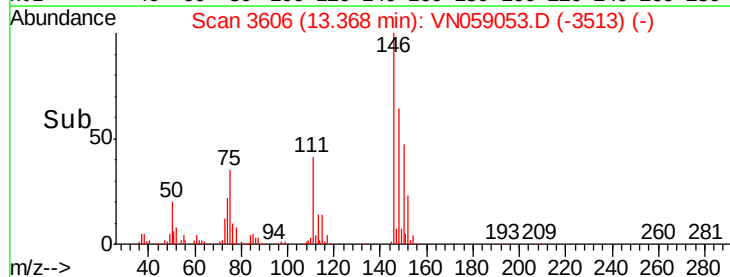
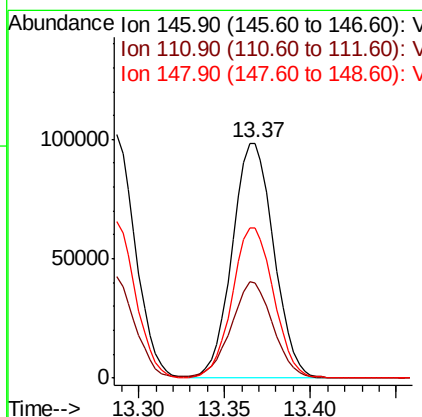
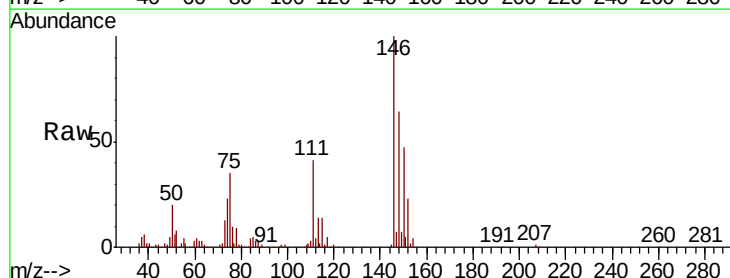
Instrument :
 MSVOA_N
 ClientSampleId :

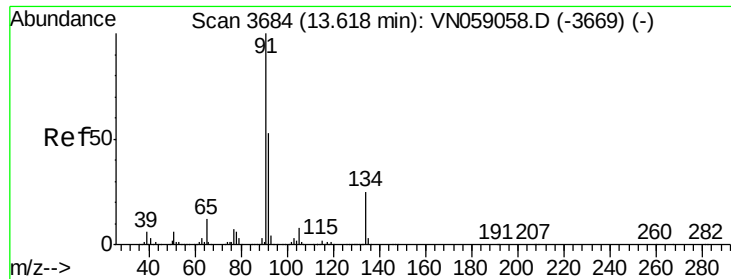
Tot Ion:146 Resp: 169443
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.5
 148 63.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.593 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Tgt Ion:146 Resp: 165135
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.1 60.2
 148 64.2 31.9 95.7

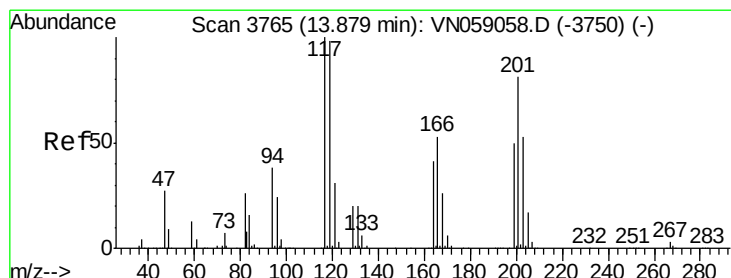
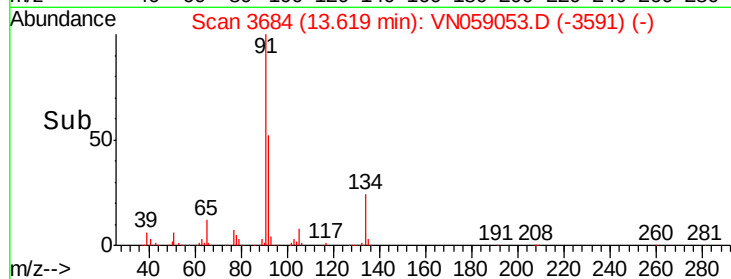
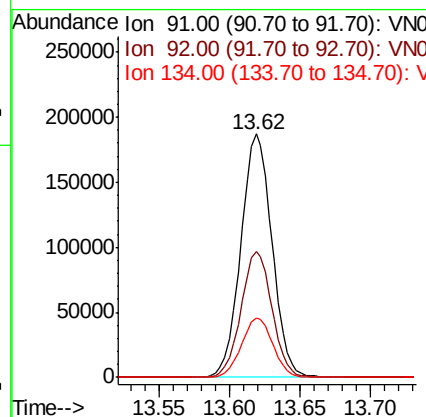
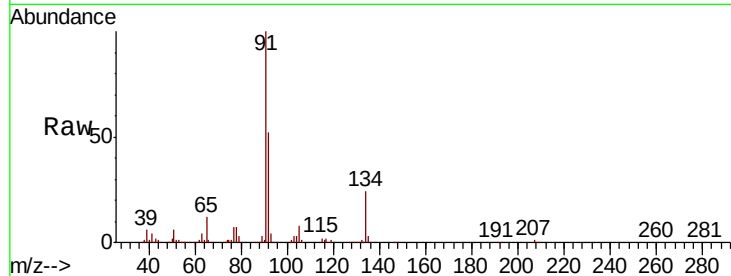




#89
n-Butylbenzene
Concen: 20.720 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

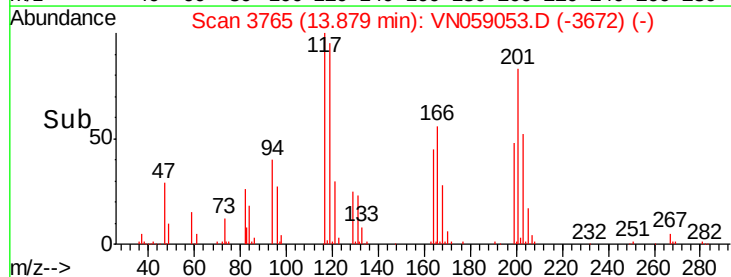
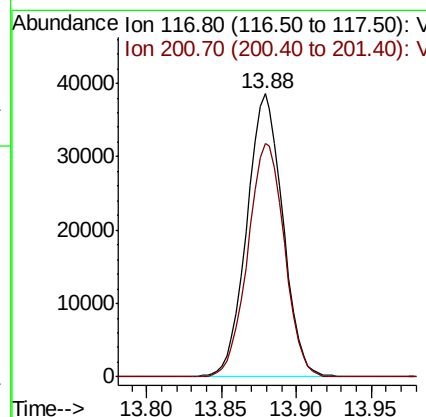
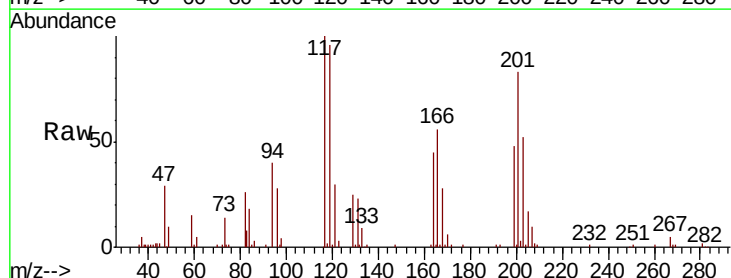
Instrument :
MSVOA_N
ClientSampled :

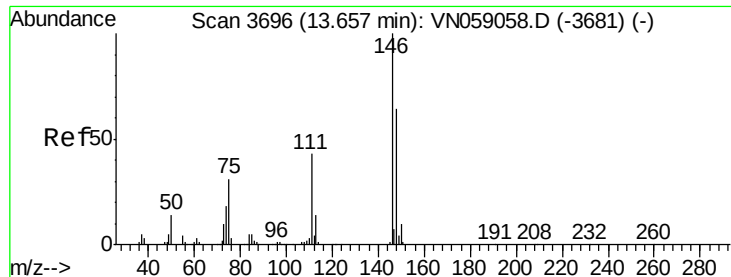
Tot Ion: 91 Resp: 290411
Ion Ratio Lower Upper
91 100
92 51.3 26.4 79.0
134 24.5 12.5 37.5



#90
Hexachloroethane
Concen: 20.733 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059053.D
Acq: 1 Nov 2019 11:09

Tgt Ion: 117 Resp: 64599
Ion Ratio Lower Upper
117 100
201 83.7 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 21.451 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059053.D

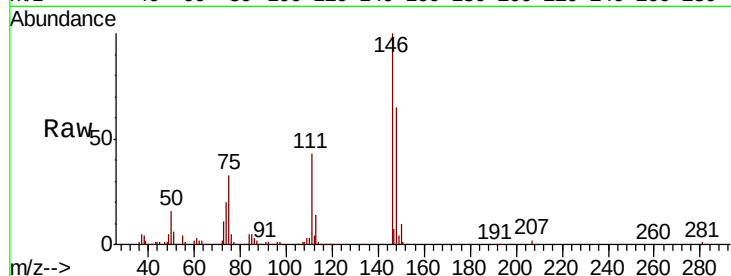
Acq: 1 Nov 2019 11:09

Instrument :

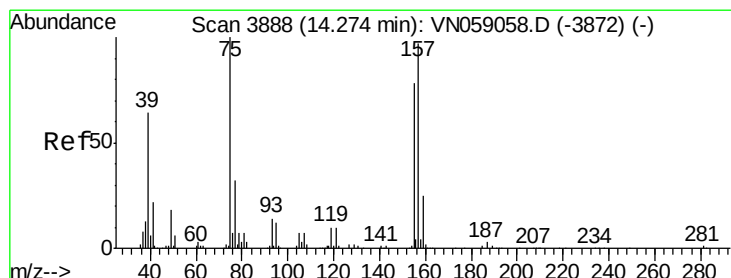
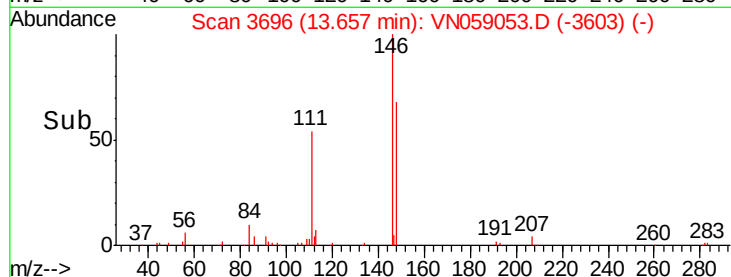
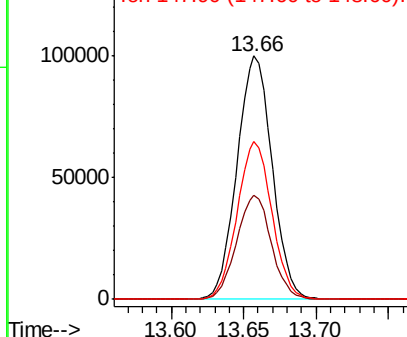
MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	168665
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	64.2	32.1	96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.787 ug/l

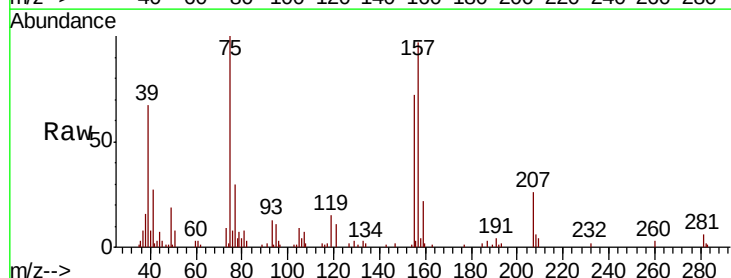
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

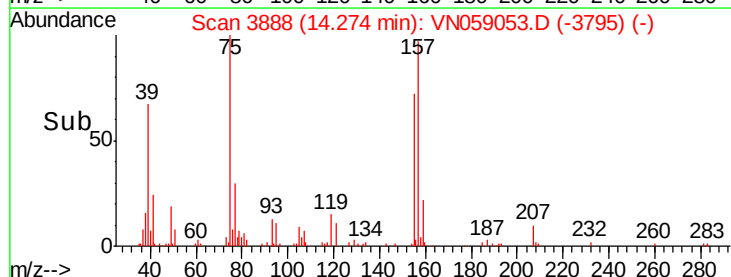
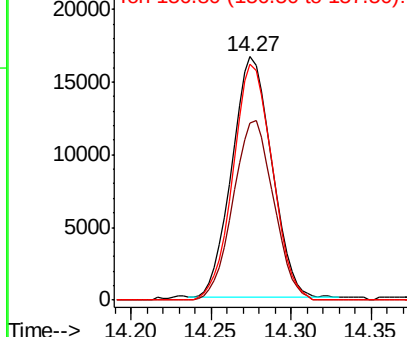
Lab File: VN059053.D

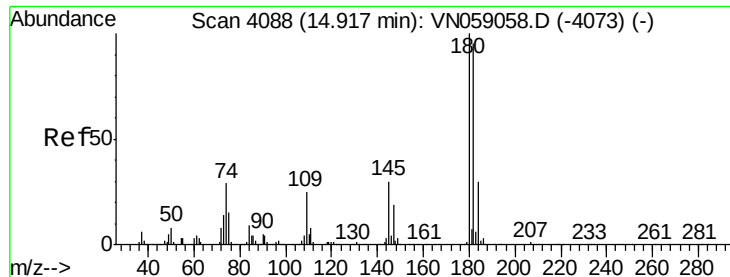
Acq: 1 Nov 2019 11:09

Tgt Ion:	75	Resp:	28320
Ion	Ratio	Lower	Upper
75	100		
155	75.0	39.7	119.1
157	95.8	51.0	153.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

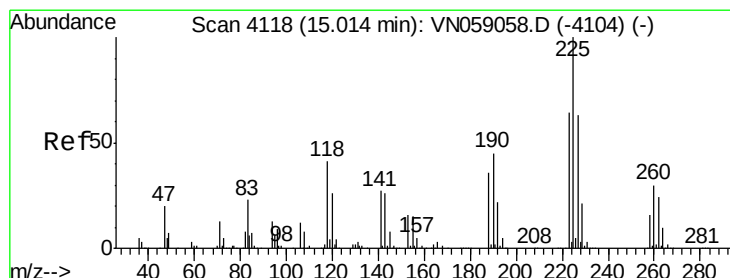
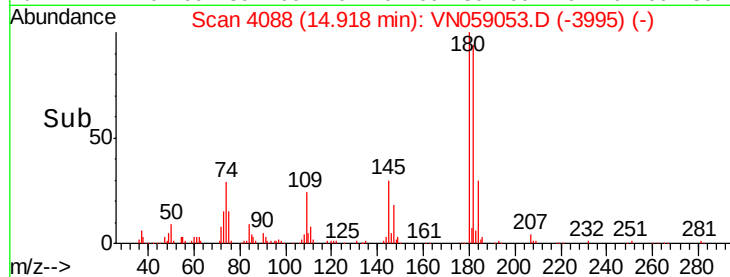
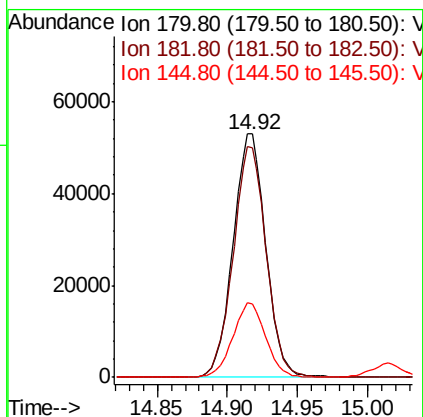
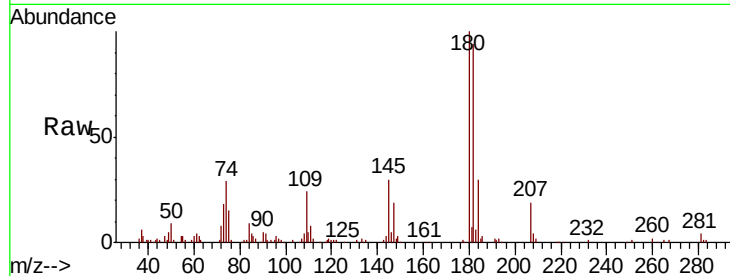




#93
 1,2,4-Trichlorobenzene
 Concen: 19.956 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

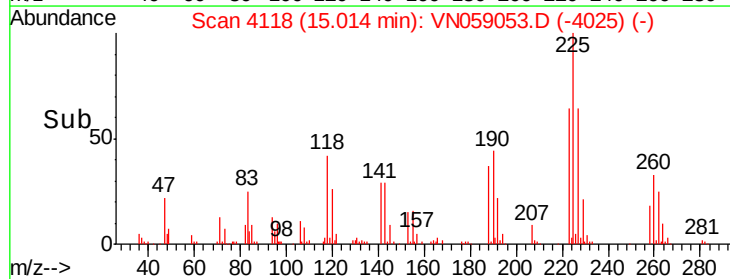
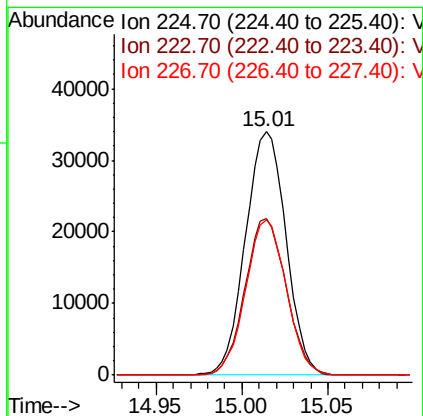
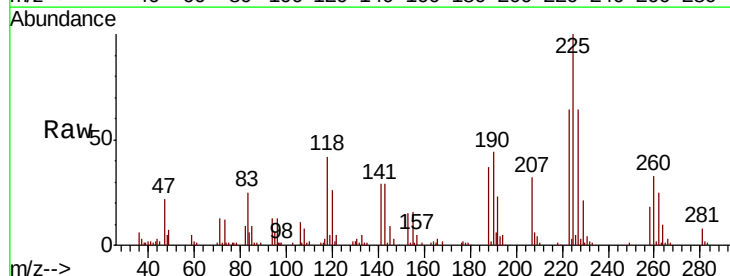
Instrument :
 MSVOA_N
 ClientSampleId :

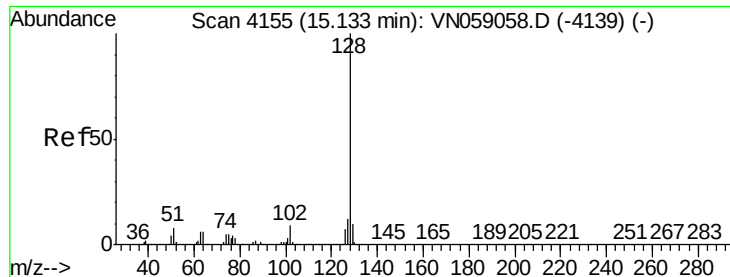
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.4
145	30.8	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 21.722 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059053.D
 Acq: 1 Nov 2019 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.6	95.0
227	63.8	31.9	95.7





#95

Naphthalene

Concen: 19.725 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

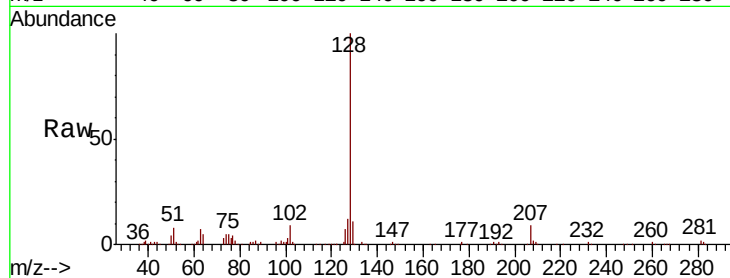
Tot Ion:128 Resp: 235809

Ion Ratio Lower Upper

128 100

127 12.5 9.9 14.9

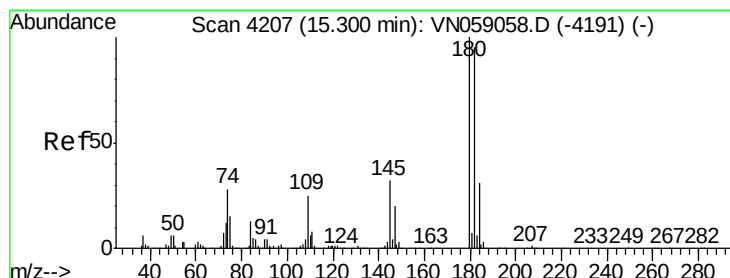
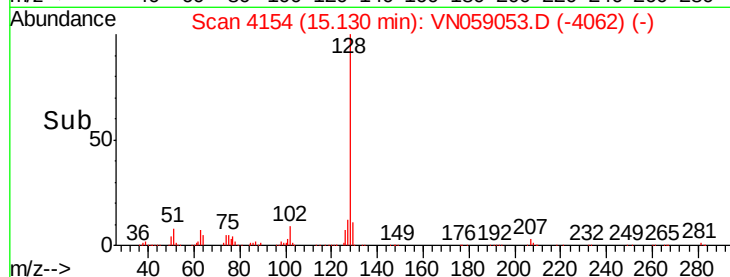
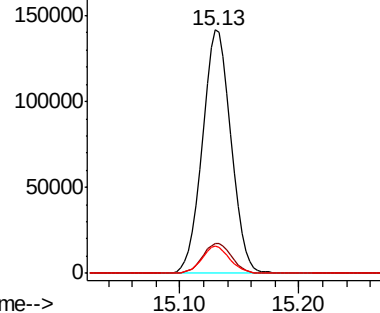
129 10.8 8.4 12.6



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: 20.830 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059053.D

Acq: 1 Nov 2019 11:09

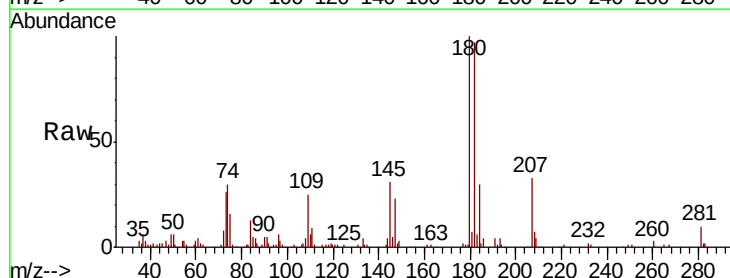
Tgt Ion:180 Resp: 88471

Ion Ratio Lower Upper

180 100

182 96.4 47.7 143.1

145 32.2 16.0 48.0



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

