

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059271.D
 Acq On : 15 Nov 2019 17:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 16 00:33:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	385733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	549401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	221017	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.57	113	183021	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.08	98	685079	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.40	95	260728	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	168878	43.453	ug/l	100
3) Chloromethane	2.04	50	230309	43.595	ug/l	99
4) Vinyl Chloride	2.17	62	234601	45.803	ug/l	100
5) Bromomethane	2.53	94	137311	46.586	ug/l	98
6) Chloroethane	2.68	64	141210	46.606	ug/l	99
7) Trichlorofluoromethane	2.99	101	302382	49.357	ug/l	98
8) Diethyl Ether	3.39	74	131126	52.676	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184293	49.892	ug/l	98
10) Methyl Iodide	3.93	142	242595	53.058	ug/l	99
11) Tert butyl alcohol	4.75	59	239368	264.888	ug/l	98
12) 1,1-Dichloroethene	3.71	96	180669	50.210	ug/l	95
13) Acrolein	3.58	56	127980	274.690	ug/l	99
14) Allyl chloride	4.29	41	326452	44.167	ug/l	95
15) Acrylonitrile	4.95	53	626666	278.656	ug/l	100
16) Acetone	3.79	43	494930	200.722	ug/l	97
17) Carbon Disulfide	4.03	76	463516	41.497	ug/l	100
18) Methyl Acetate	4.29	43	327186	55.904	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	672082	54.251	ug/l	99
20) Methylene Chloride	4.52	84	217719	50.683	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	192174	49.755	ug/l	97
22) Diisopropyl ether	5.92	45	736758	52.772	ug/l	97
23) Vinyl Acetate	5.87	43	3055577	282.397	ug/l	99
24) 1,1-Dichloroethane	5.82	63	397991	51.040	ug/l	99
25) 2-Butanone	6.81	43	812038	249.880	ug/l	98
26) 2,2-Dichloropropane	6.80	77	332028	48.696	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	232534	51.893	ug/l	99
28) Bromochloromethane	7.17	49	113138	48.226	ug/l	97
29) Tetrahydrofuran	7.19	42	550276	266.495	ug/l	98
30) Chloroform	7.35	83	392735	52.504	ug/l	99
31) Cyclohexane	7.63	56	337192	45.678	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	328766	52.277	ug/l	99
36) 1,1-Dichloropropene	7.77	75	284910	50.603	ug/l	99
37) Ethyl Acetate	6.90	43	328703	52.479	ug/l	98
38) Carbon Tetrachloride	7.75	117	283260	50.546	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	322619	49.372	ug/l	99
40) Benzene	8.02	78	882771	52.066	ug/l	99
41) Methacrylonitrile	7.15	41	157289	57.749	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	297522	51.164	ug/l	99
43) Isopropyl Acetate	8.14	43	532282	53.304	ug/l	99
44) Trichloroethene	8.82	130	214078	51.365	ug/l	99
45) 1,2-Dichloropropane	9.10	63	245032	53.207	ug/l	99
46) Dibromomethane	9.19	93	146872	51.179	ug/l	97
47) Bromodichloromethane	9.39	83	310767	54.231	ug/l	98
48) Methyl methacrylate	9.18	41	237891	53.260	ug/l	96
49) 1,4-Dioxane	9.18	88	91482	1152.492	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1690951	299.275	ug/l	99
52) Toluene	10.14	92	542225	53.357	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	355989	53.771	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	385028	54.065	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	225297	54.780	ug/l	99
56) Ethyl methacrylate	10.42	69	362931	52.799	ug/l	96
57) 1,3-Dichloropropane	10.70	76	383518	54.181	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	655505	286.390	ug/l	99
59) 2-Hexanone	10.74	43	1244372	286.936	ug/l	98
60) Dibromochloromethane	10.90	129	242262	55.713	ug/l	100
61) 1,2-Dibromoethane	11.00	107	227842	54.725	ug/l	100
64) Tetrachloroethene	10.62	164	187155	50.097	ug/l	99
65) Chlorobenzene	11.43	112	579548	54.113	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	222344	55.343	ug/l	99
67) Ethyl Benzene	11.51	91	1045934	55.044	ug/l	98
68) m/p-Xylenes	11.62	106	783672	110.099	ug/l	99
69) o-Xylene	11.94	106	380374	55.297	ug/l	99
70) Styrene	11.96	104	629591	58.196	ug/l	99
71) Bromoform	12.12	173	178023	56.967	ug/l	99
73) Isopropylbenzene	12.25	105	1023627	52.839	ug/l	100
74) N-amyl acetate	12.07	43	455533	55.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	351842	53.332	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	460114	75.885	ug/l #	100
77) Bromobenzene	12.53	156	251461	51.665	ug/l	98
78) n-propylbenzene	12.59	91	1201967	54.188	ug/l	100
79) 2-Chlorotoluene	12.67	91	717147	52.117	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	874710	53.286	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	125195	54.537	ug/l	96
82) 4-Chlorotoluene	12.77	91	725804	52.590	ug/l	99
83) tert-Butylbenzene	12.99	119	744970	52.552	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	867805	54.642	ug/l	100
85) sec-Butylbenzene	13.17	105	1005428	54.535	ug/l	99
86) p-Isopropyltoluene	13.29	119	908690	55.820	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	447090	53.642	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	440926	52.875	ug/l	99
89) n-Butylbenzene	13.62	91	797061	55.942	ug/l	100
90) Hexachloroethane	13.88	117	170108	52.040	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	440415	53.717	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71232	54.117	ug/l	98

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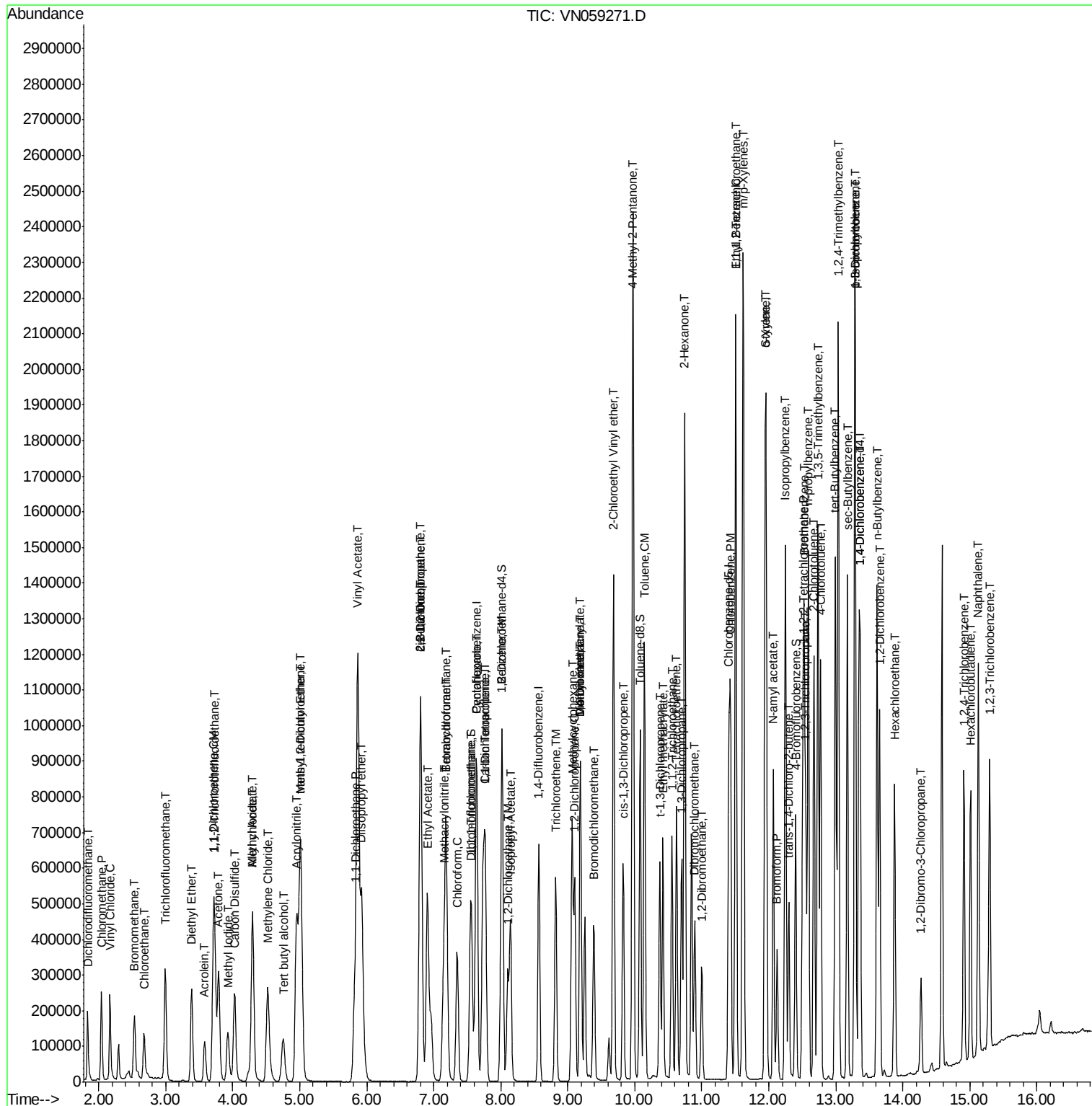
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	261728	52.456	ug/l	99
94) Hexachlorobutadiene	15.01	225	153097	54.156	ug/l	99
95) Naphthalene	15.13	128	889105	63.545	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	262165	57.057	ug/l	99

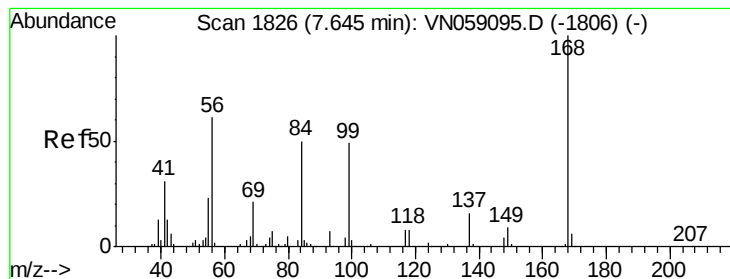
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

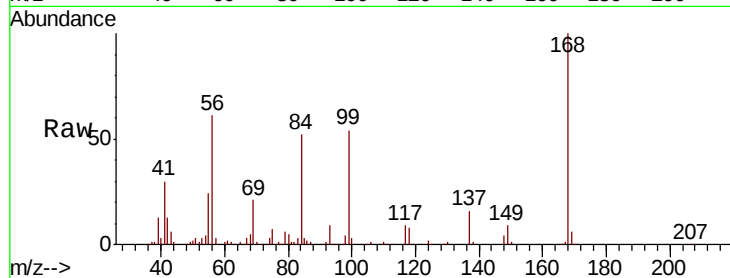
VSTDCCC050EC

Tot Ion:168 Resp: 385733

Ion Ratio Lower Upper

168 100

99 53.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

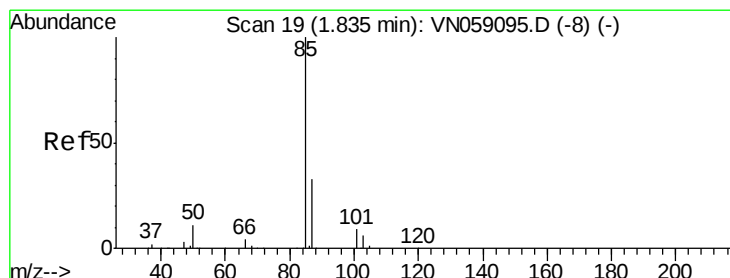
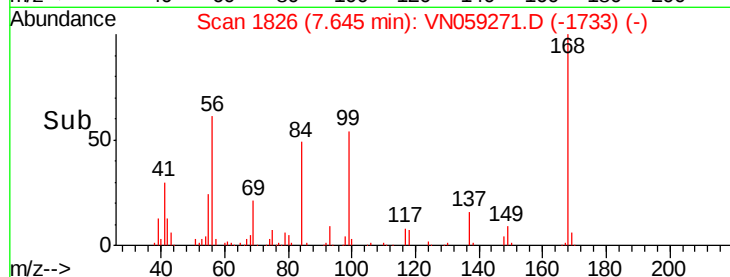
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.453 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059271.D

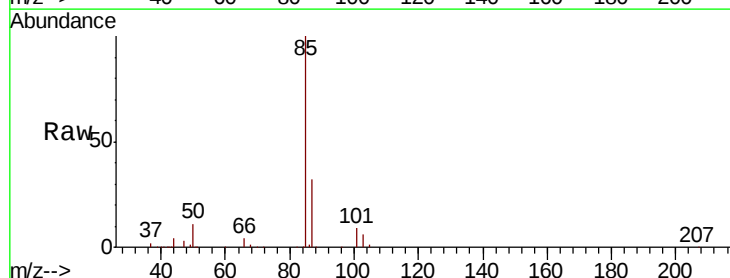
Acq: 15 Nov 2019 17:09

Tgt Ion: 85 Resp: 168878

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

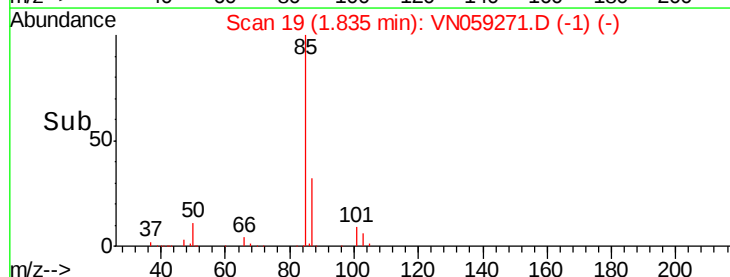
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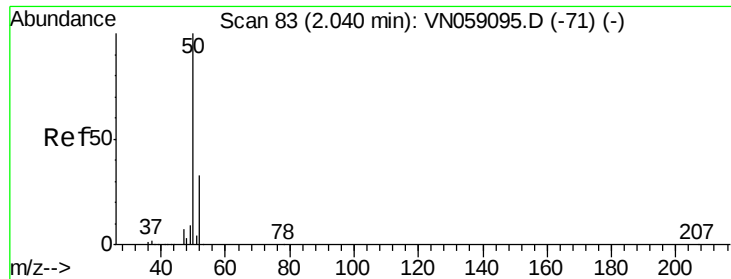
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 43.595 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

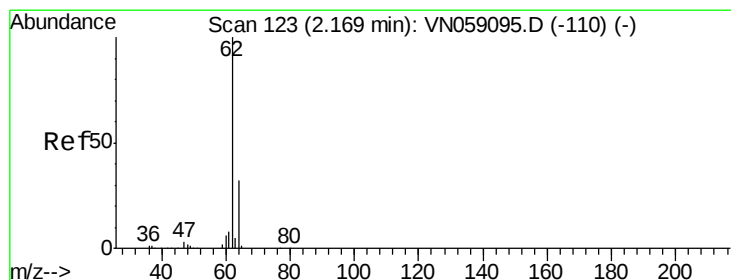
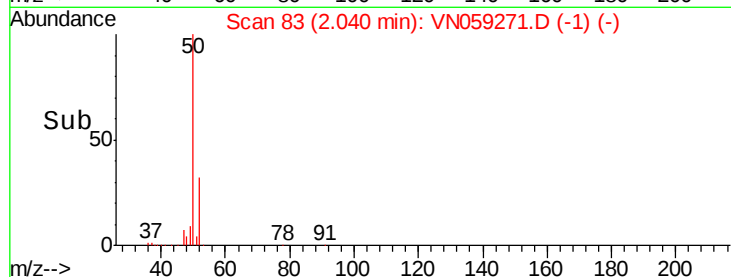
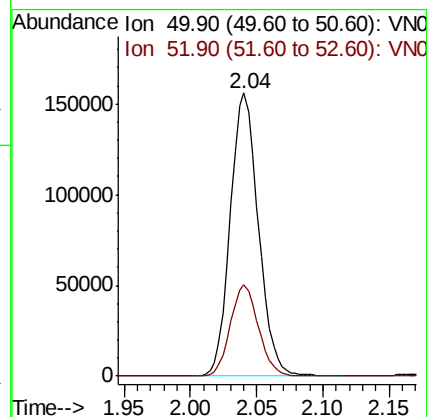
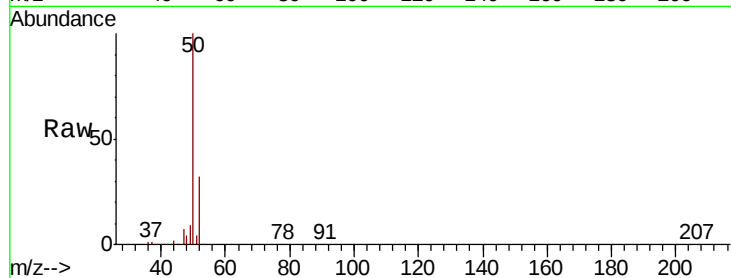
VSTDCCC050EC

Tot Ion: 50 Resp: 230309

Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0



#4

Vinyl Chloride

Concen: 45.803 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059271.D

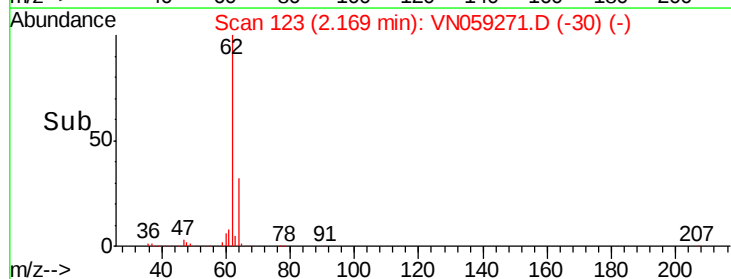
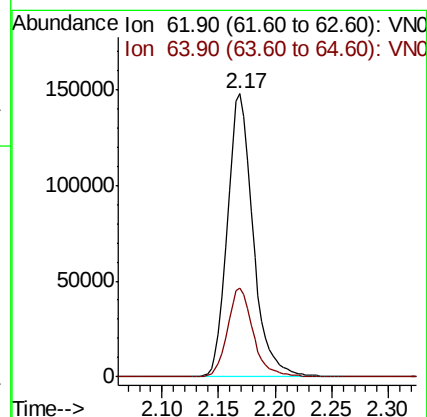
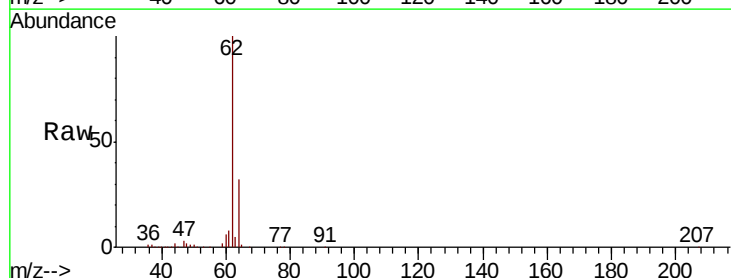
Acq: 15 Nov 2019 17:09

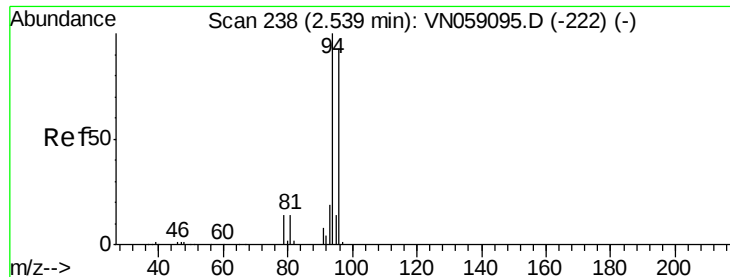
Tgt Ion: 62 Resp: 234601

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 46.586 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

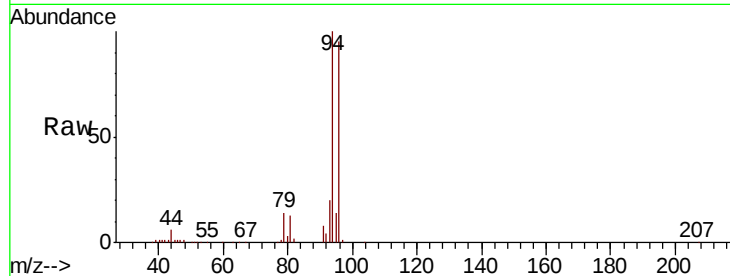
VSTDCCC050EC

Tot Ion: 94 Resp: 137311

Ion Ratio Lower Upper

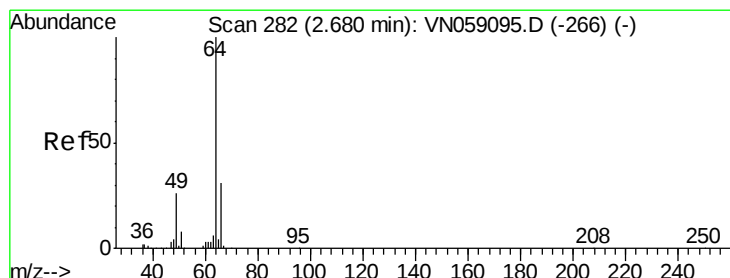
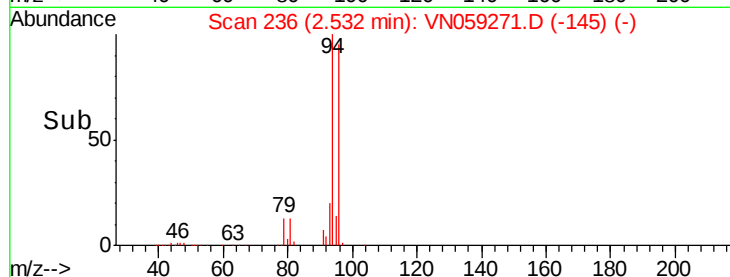
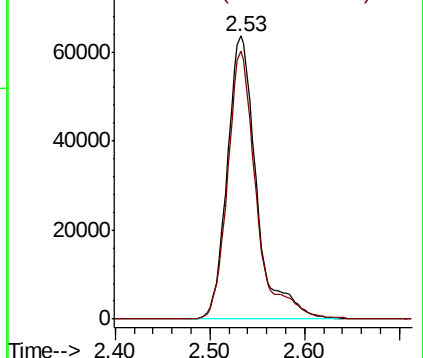
94 100

96 94.3 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 46.606 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059271.D

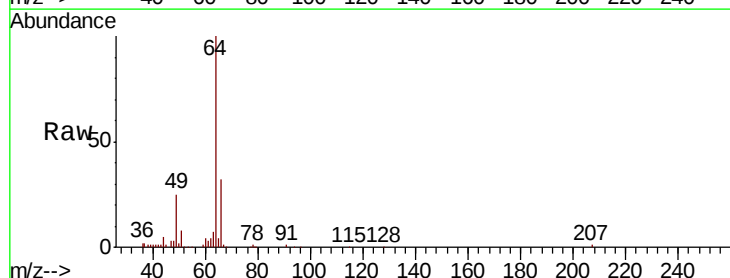
Acq: 15 Nov 2019 17:09

Tgt Ion: 64 Resp: 141210

Ion Ratio Lower Upper

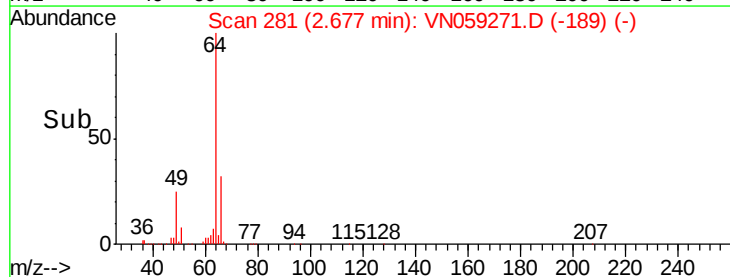
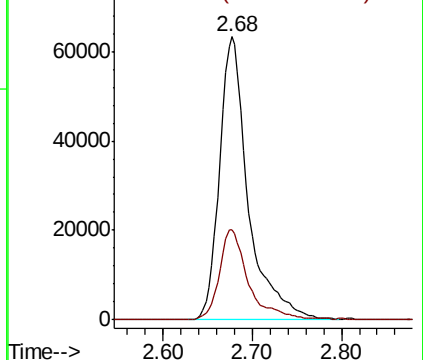
64 100

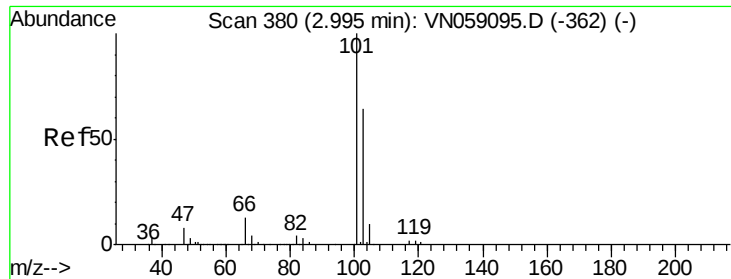
66 31.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



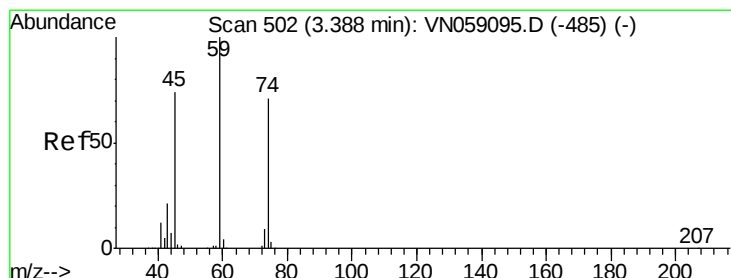
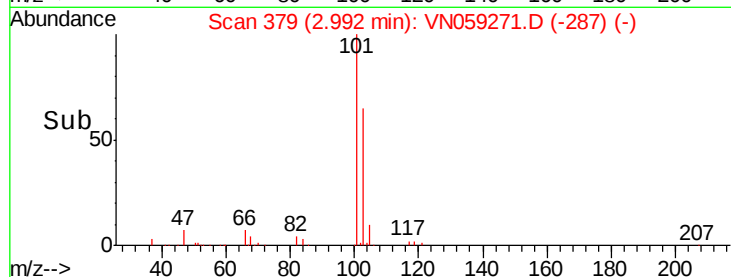
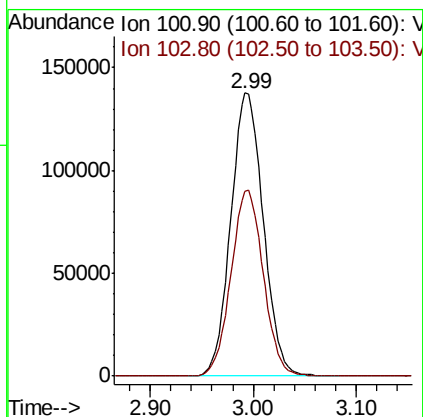
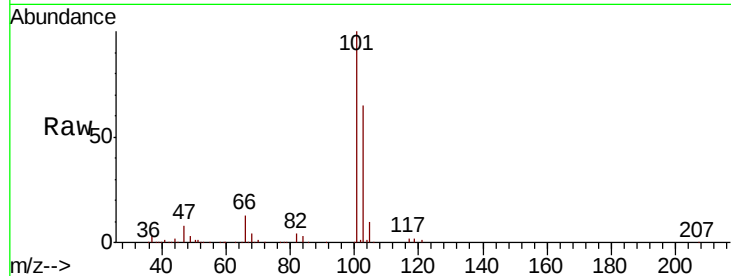


#7

Trichlorofluoromethane
 Concen: 49.357 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
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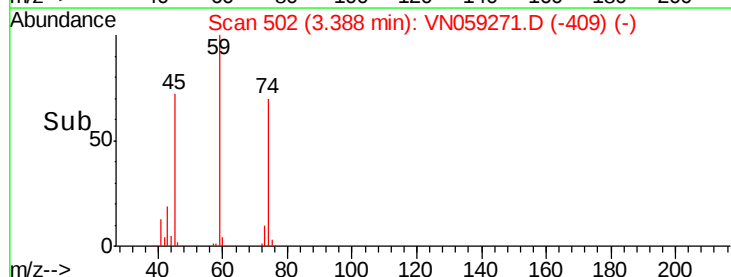
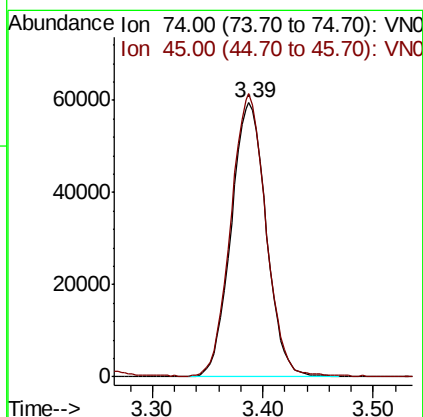
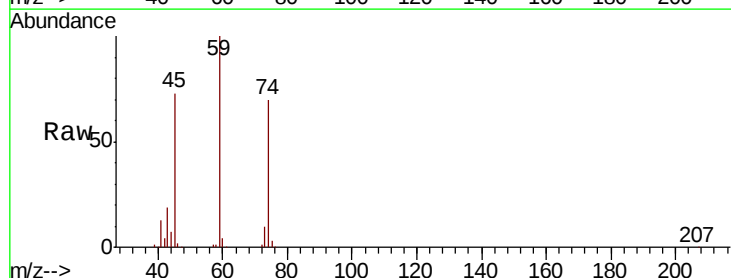
Tot Ion:101 Resp: 302382
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.2 76.8

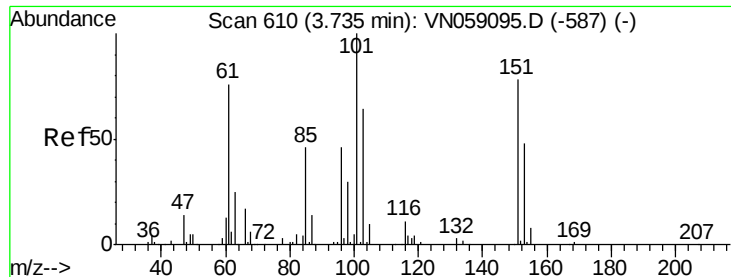


#8

Diethyl Ether
 Concen: 52.676 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion: 74 Resp: 131126
 Ion Ratio Lower Upper
 74 100
 45 103.7 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.892 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

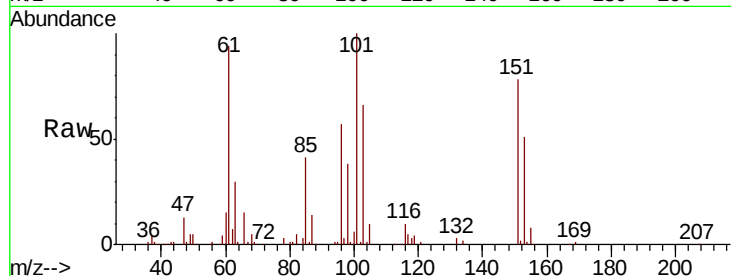
Tot Ion:101 Resp: 184293

Ion Ratio Lower Upper

101 100

85 42.1 35.5 53.3

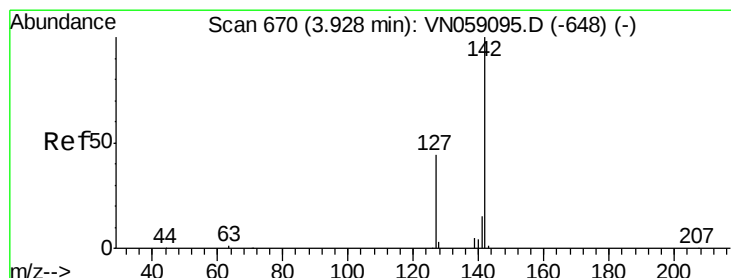
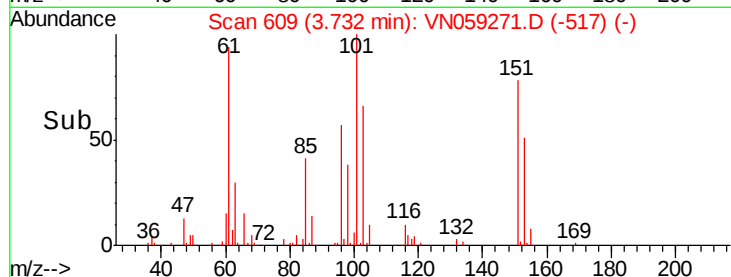
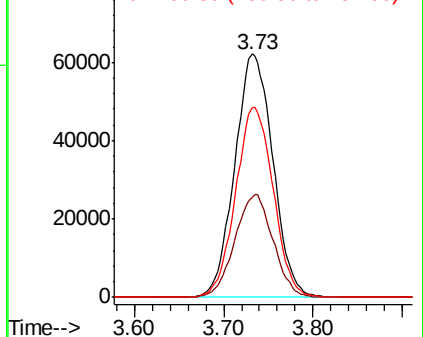
151 77.0 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.058 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

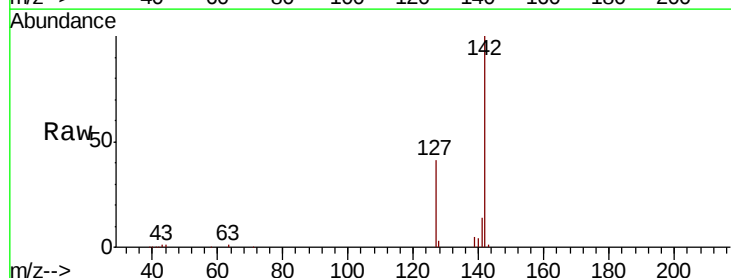
Tgt Ion:142 Resp: 242595

Ion Ratio Lower Upper

142 100

127 42.0 34.2 51.2

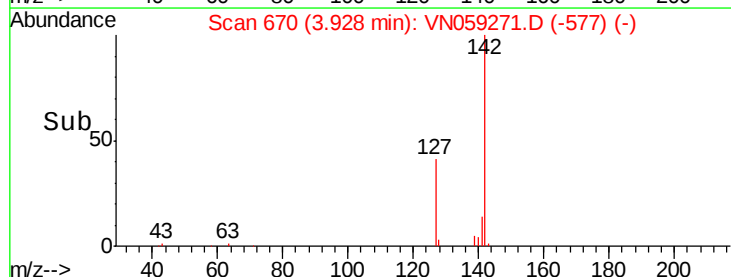
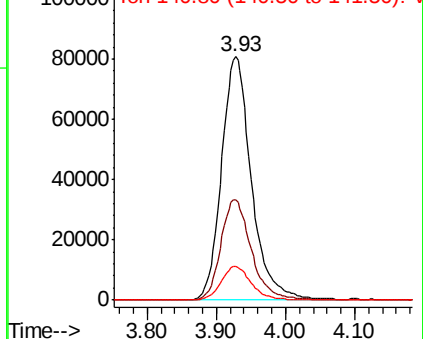
141 14.0 11.4 17.0

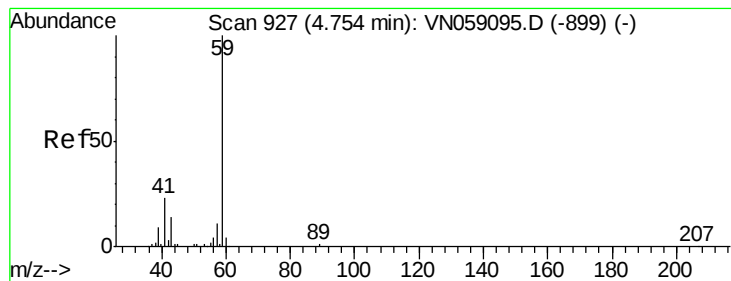


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



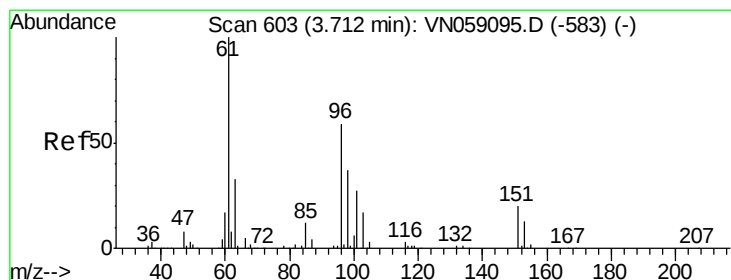
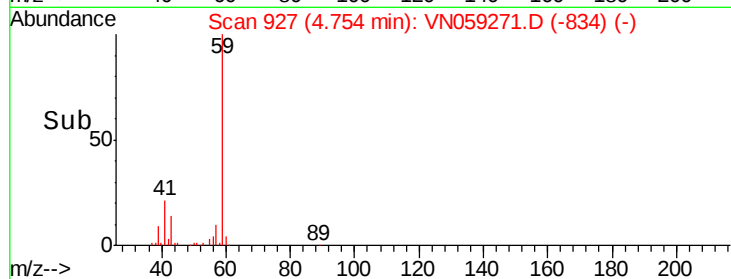
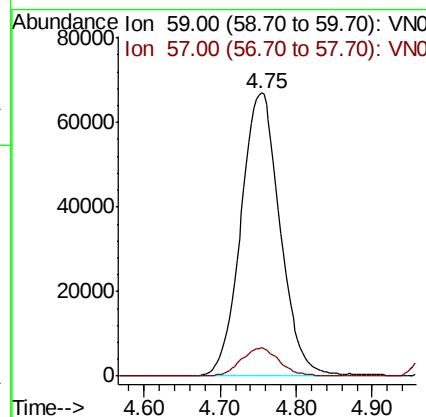
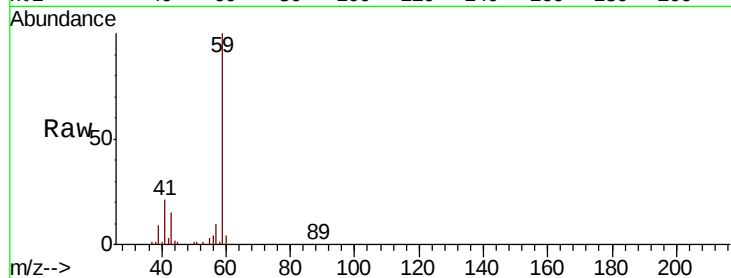


#11

Tert butyl alcohol
 Concen: 264.888 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

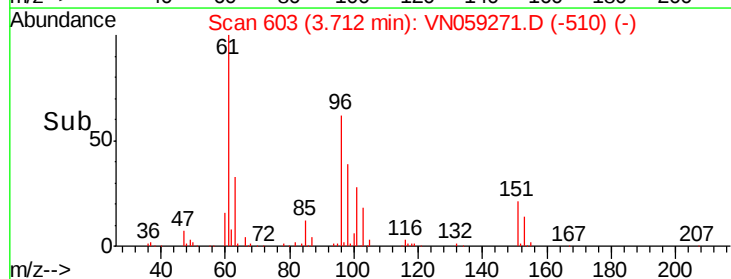
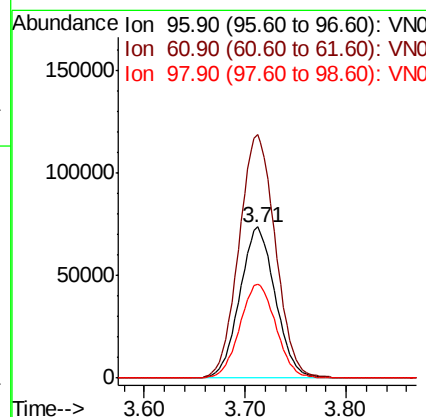
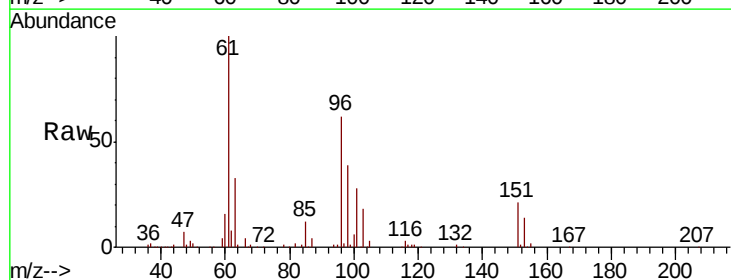
Tot Ion: 59 Resp: 239368
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.3 12.5

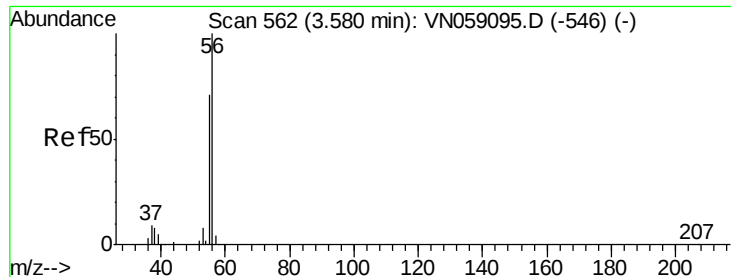


#12

1,1-Dichloroethene
 Concen: 50.210 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion: 96 Resp: 180669
 Ion Ratio Lower Upper
 96 100
 61 161.3 136.5 204.7
 98 62.5 50.2 75.4





#13

Acrolein

Concen: 274.690 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

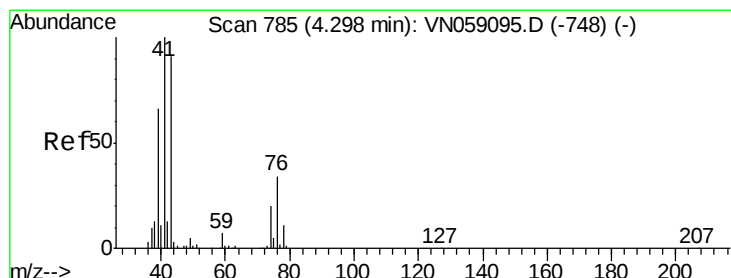
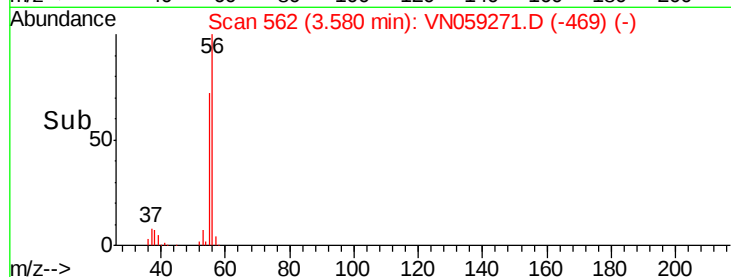
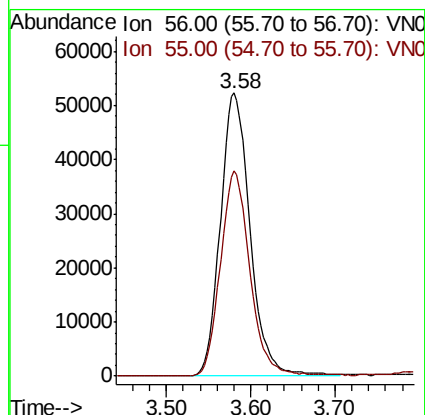
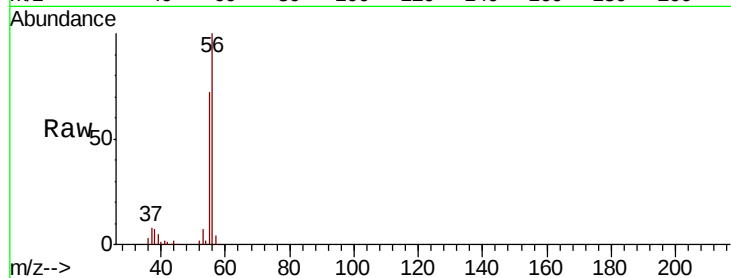
VSTDCCC050EC

Tot Ion: 56 Resp: 127980

Ion Ratio Lower Upper

56 100

55 71.4 56.4 84.6



#14

Allyl chloride

Concen: 44.167 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

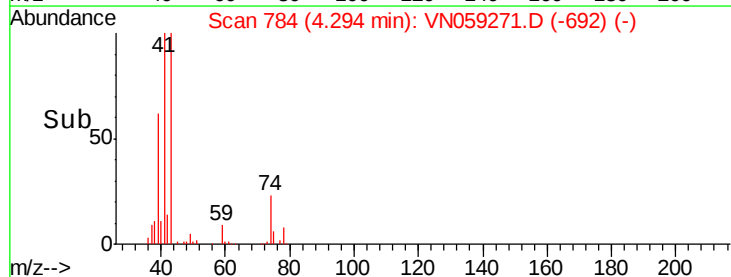
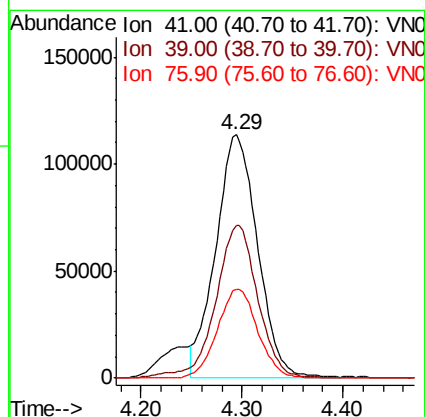
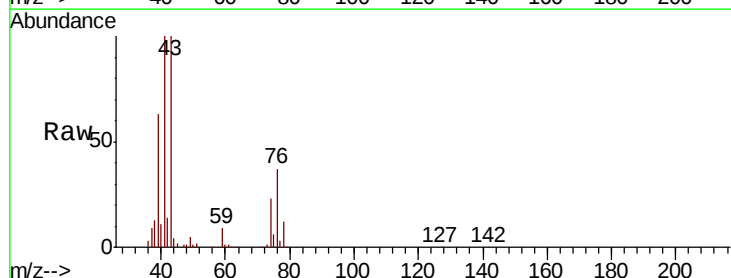
Tgt Ion: 41 Resp: 326452

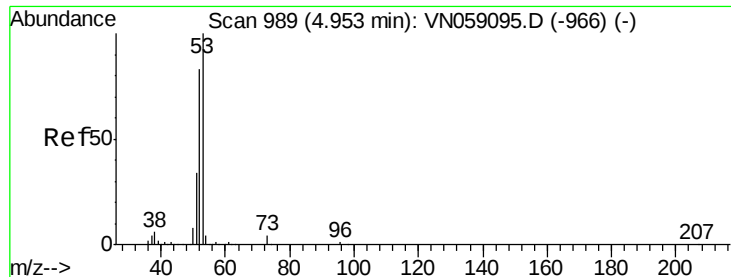
Ion Ratio Lower Upper

41 100

39 63.8 49.1 73.7

76 35.8 24.9 37.3





#15

Acrylonitrile

Concen: 278.656 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

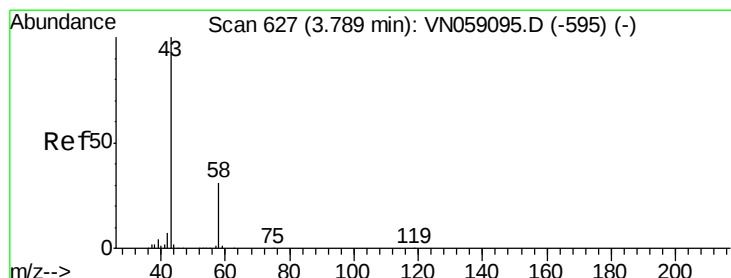
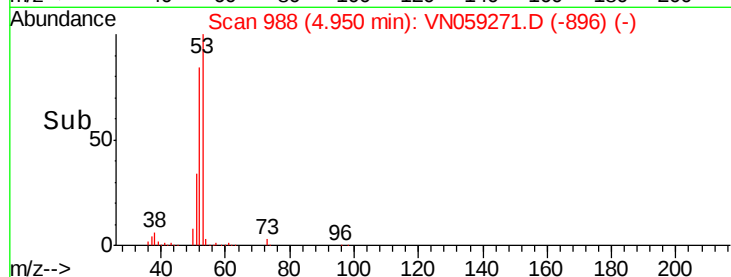
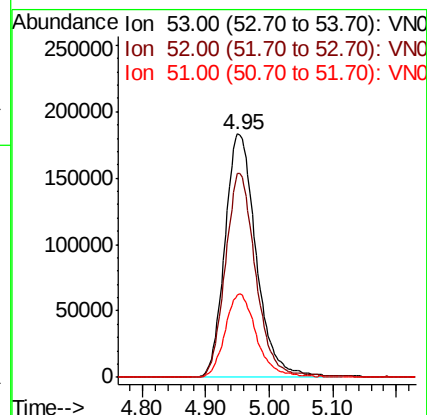
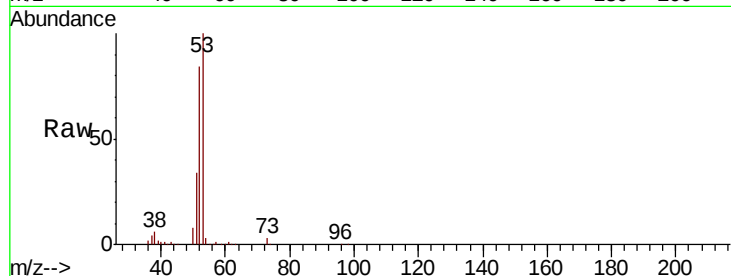
Tot Ion: 53 Resp: 626666

Ion Ratio Lower Upper

53 100

52 81.4 65.0 97.6

51 34.5 28.0 42.0



#16

Acetone

Concen: 200.722 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059271.D

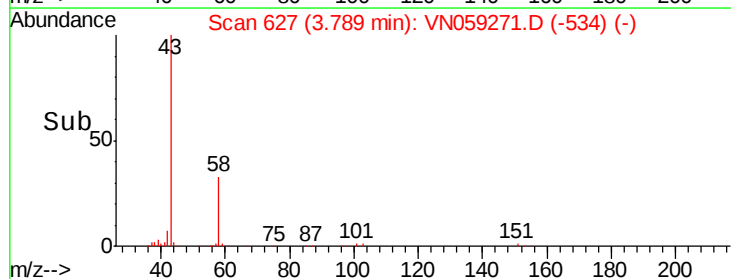
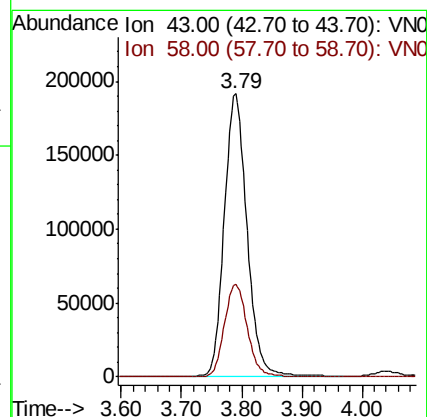
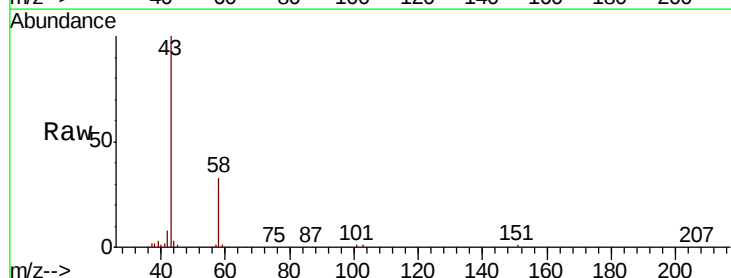
Acq: 15 Nov 2019 17:09

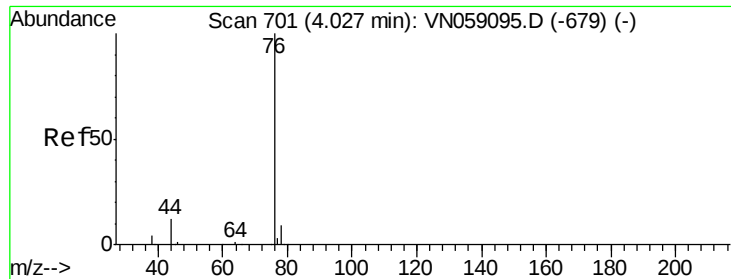
Tgt Ion: 43 Resp: 494930

Ion Ratio Lower Upper

43 100

58 32.6 24.9 37.3

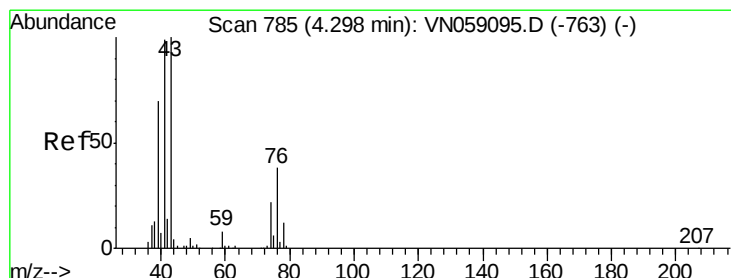
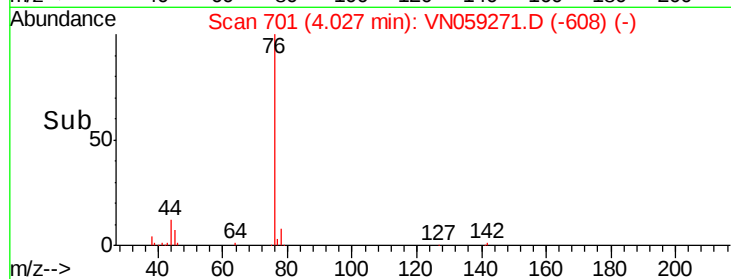
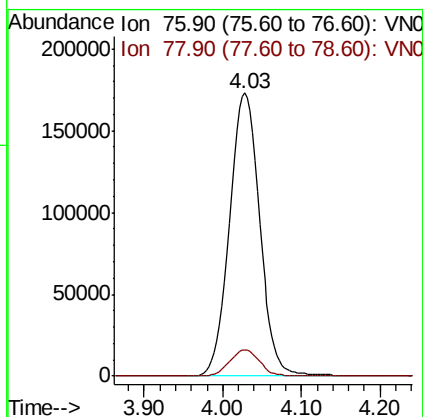
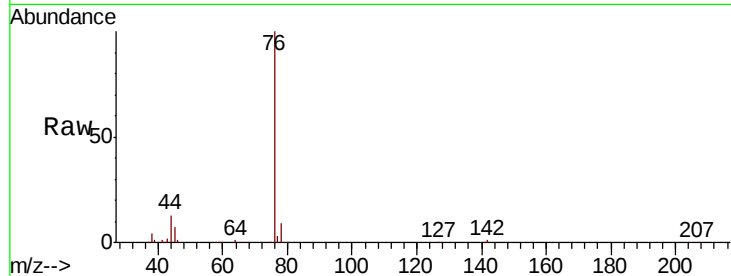




#17
Carbon Disulfide
Concen: 41.497 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

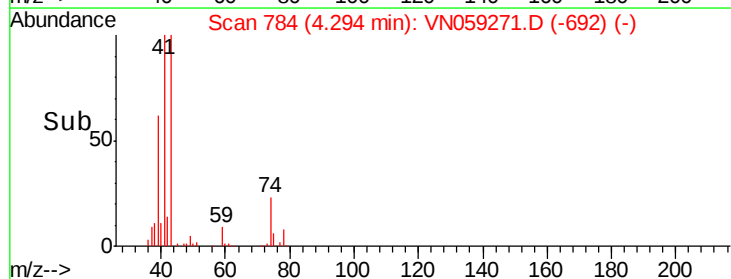
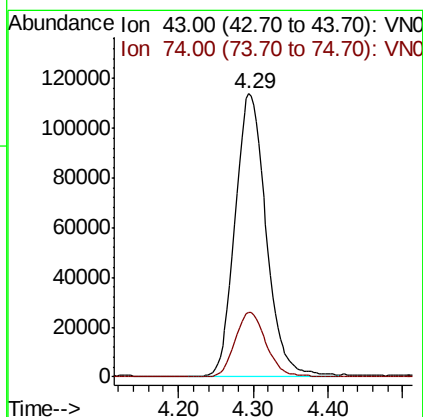
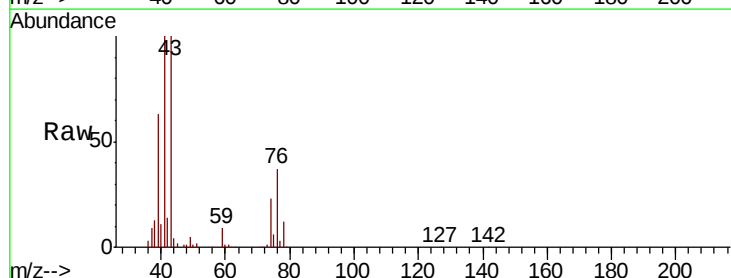
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

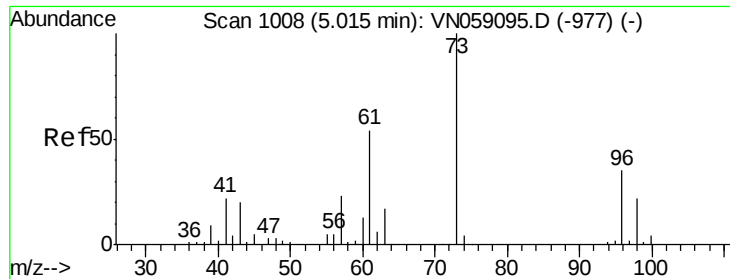
Tot Ion: 76 Resp: 463516
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 55.904 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 43 Resp: 327186
Ion Ratio Lower Upper
43 100
74 22.9 17.8 26.8

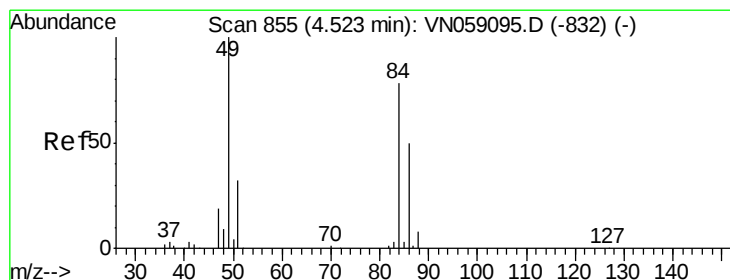
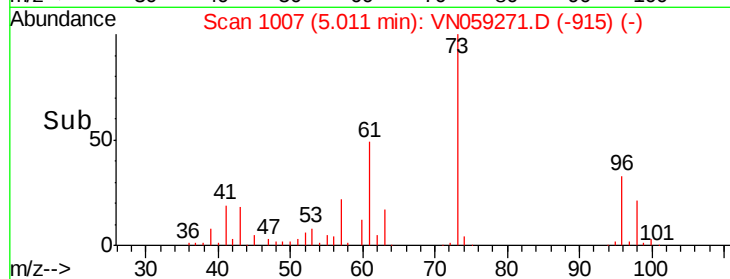
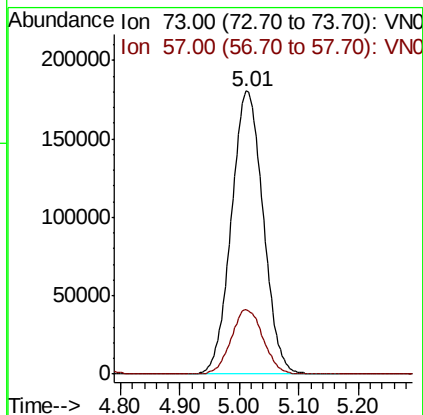
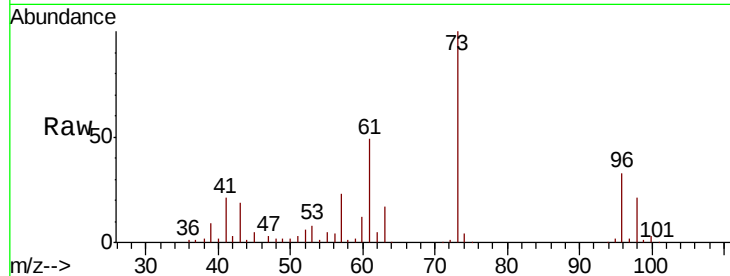




#19
Methvl tert-butvl Ether
Concen: 54.251 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

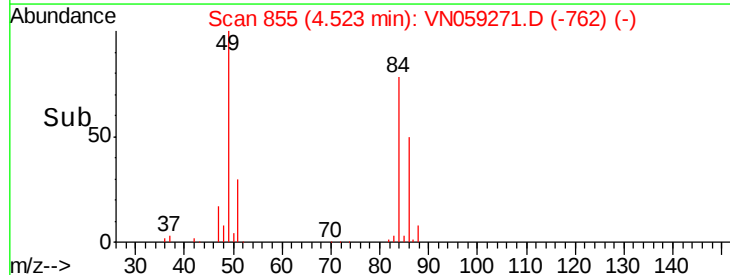
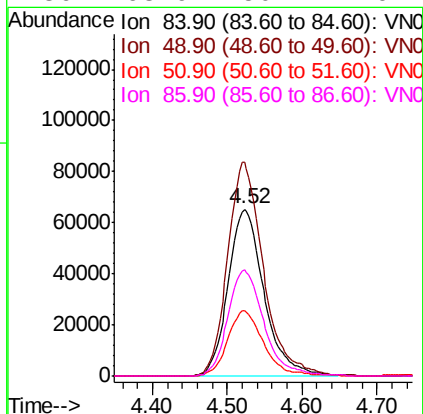
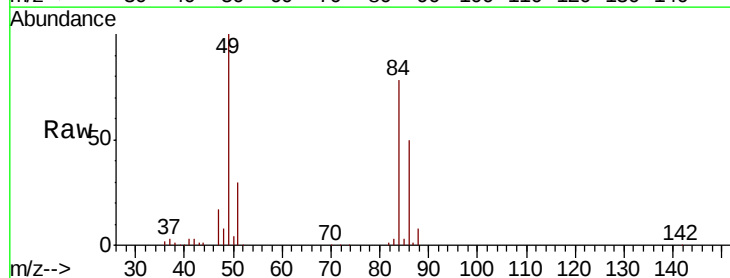
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

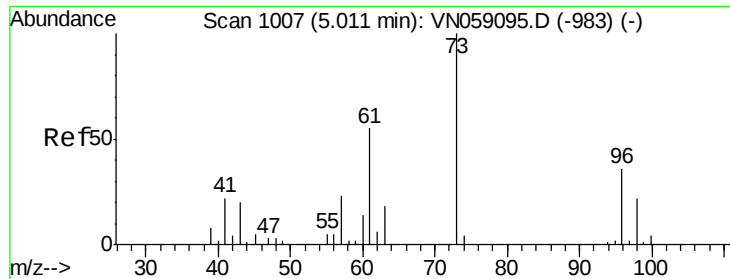
Tot Ion: 73 Resp: 672082
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6



#20
Methylene Chloride
Concen: 50.683 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 84 Resp: 217719
Ion Ratio Lower Upper
84 100
49 128.0 102.0 153.0
51 38.9 32.2 48.2
86 63.9 50.7 76.1

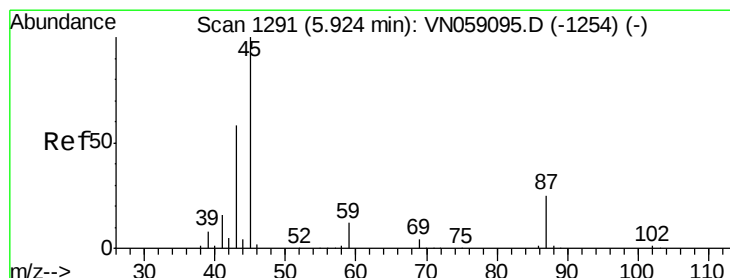
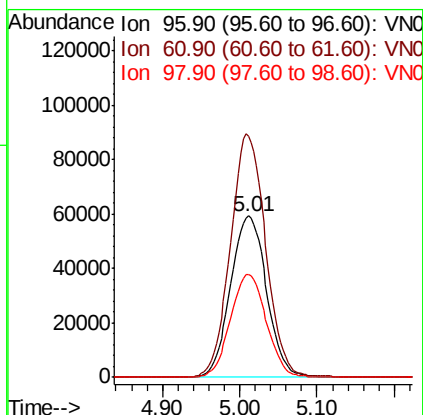
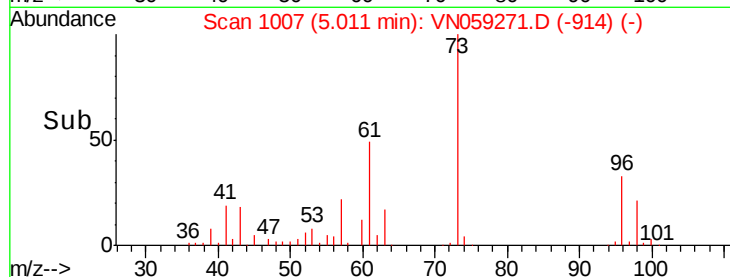
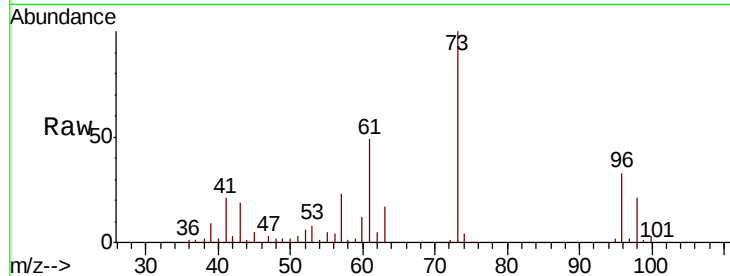




#21
trans-1,2-Dichloroethene
Concen: 49.755 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

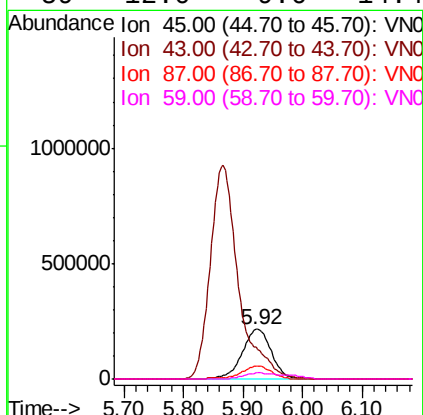
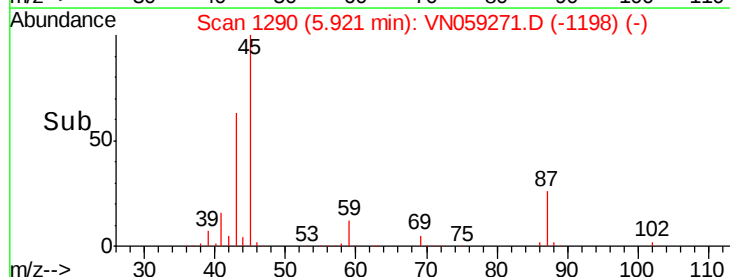
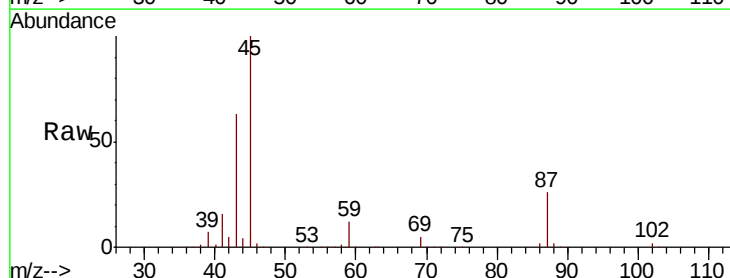
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

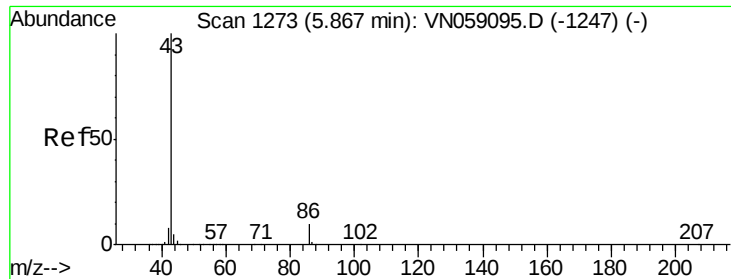
Tot Ion: 96 Resp: 192174
Ion Ratio Lower Upper
96 100
61 149.3 122.6 183.8
98 64.1 50.3 75.5



#22
Diisopropyl ether
Concen: 52.772 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 45 Resp: 736758
Ion Ratio Lower Upper
45 100
43 62.3 46.7 70.1
87 26.0 20.5 30.7
59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 282.397 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

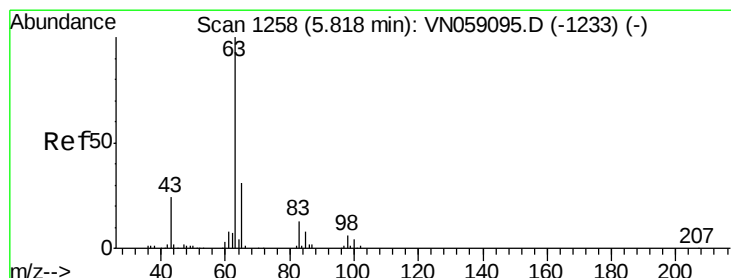
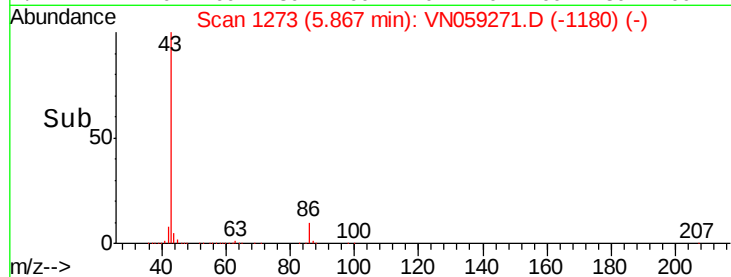
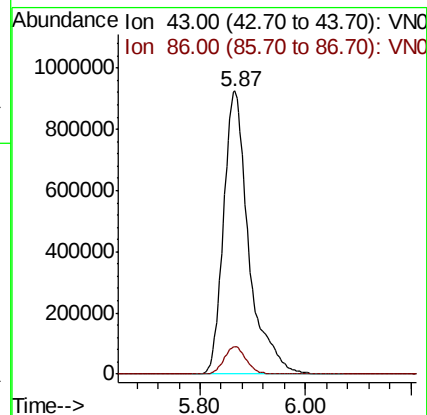
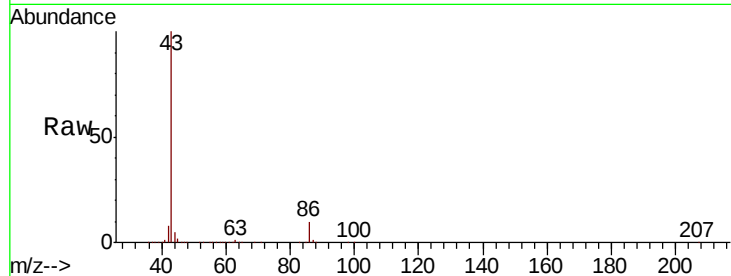
VSTDCCC050EC

Tot Ion: 43 Resp: 3055577

Ion Ratio Lower Upper

43 100

86 9.9 7.7 11.5



#24

1,1-Dichloroethane

Concen: 51.040 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

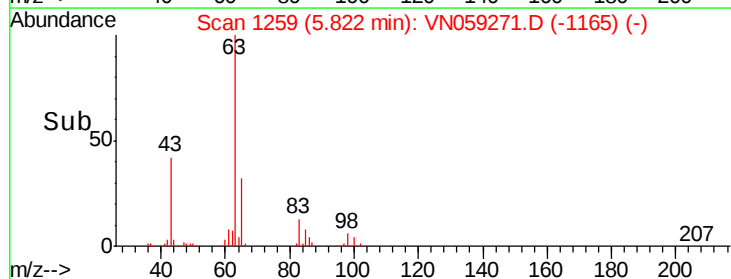
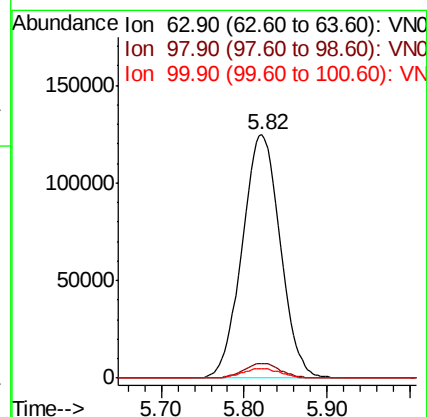
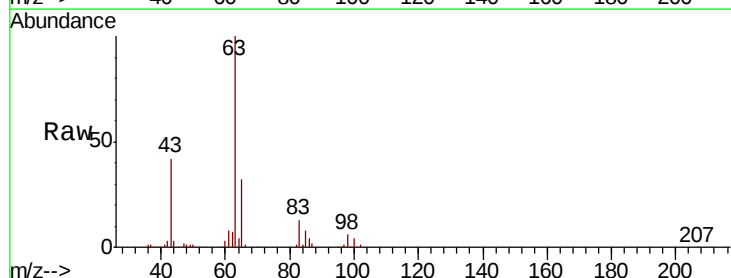
Tgt Ion: 63 Resp: 397991

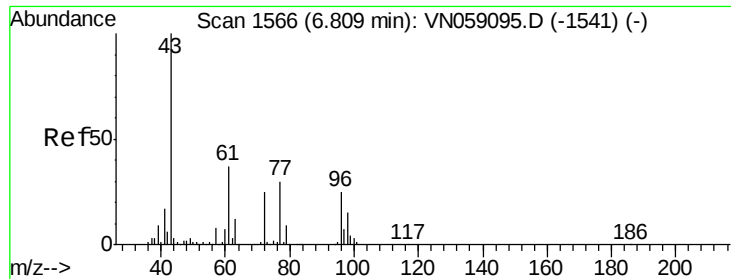
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.9 1.9 5.7

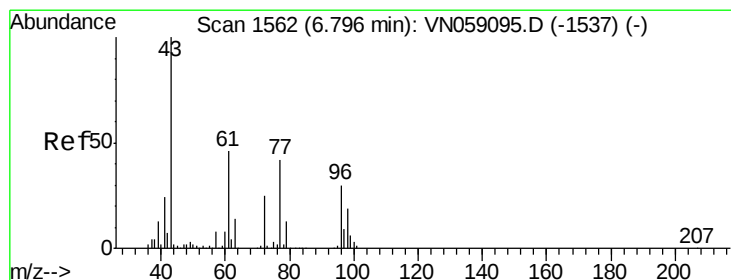
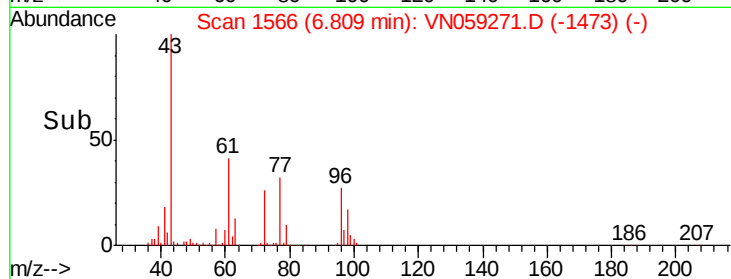
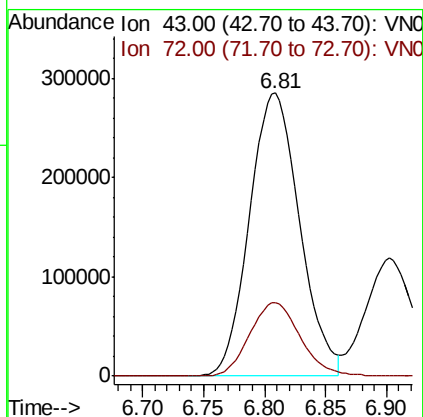
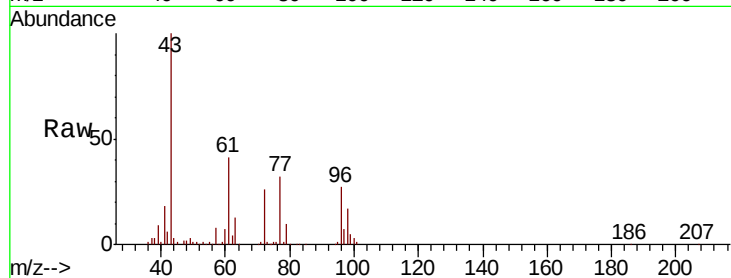




#25
2-Butanone
Concen: 249.880 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

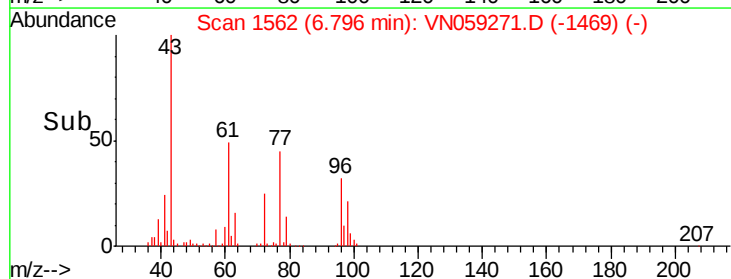
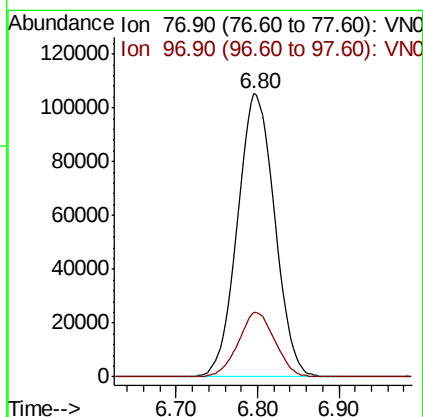
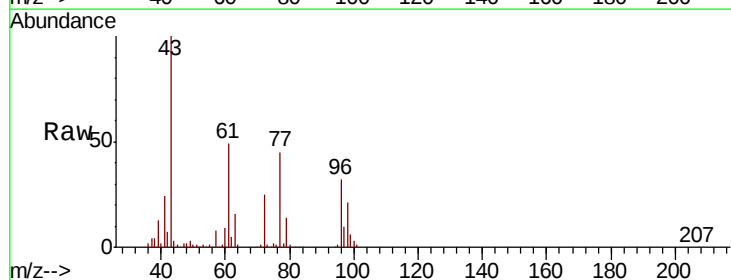
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

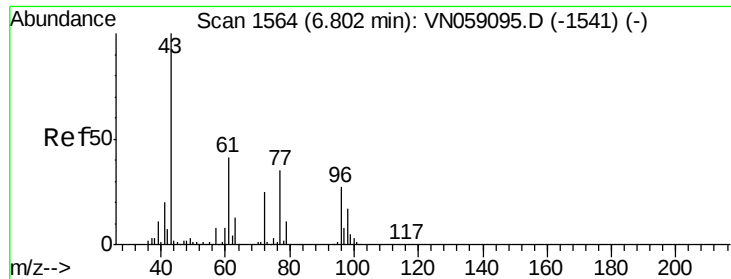
Tot Ion: 43 Resp: 812038
Ion Ratio Lower Upper
43 100
72 26.2 20.3 30.5



#26
2,2-Dichloropropane
Concen: 48.696 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 77 Resp: 332028
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 51.893 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

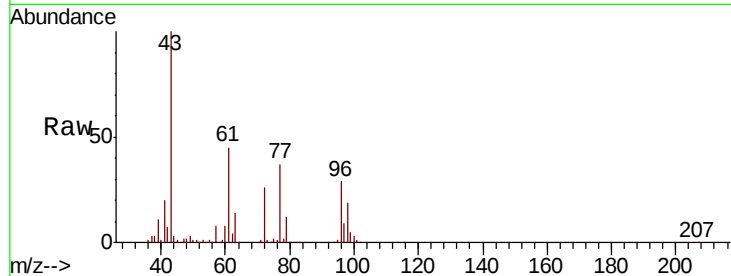
Tot Ion: 96 Resp: 232534

Ion Ratio Lower Upper

96 100

61 153.2 0.0 311.6

98 65.0 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059271.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059271.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059271.D (-1471) (-)

150000

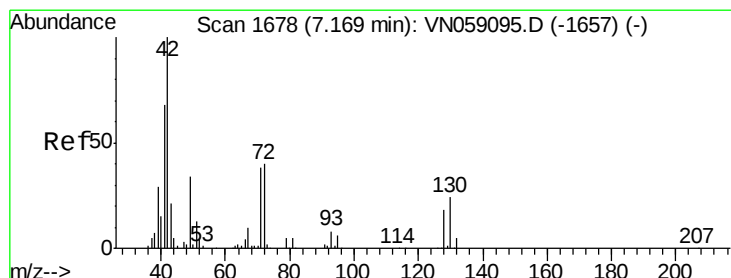
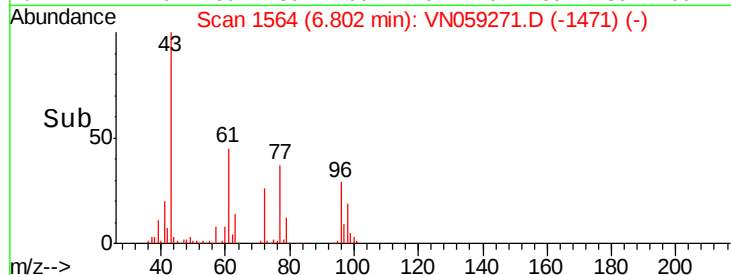
100000

50000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 48.226 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

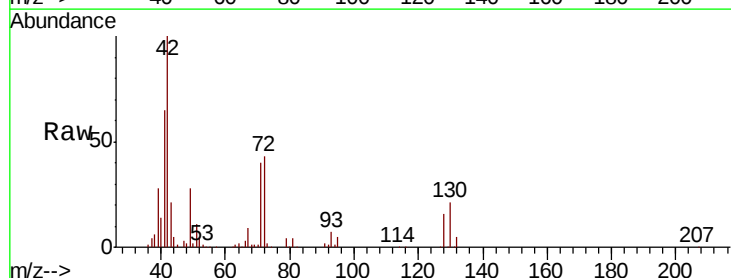
Tgt Ion: 49 Resp: 113138

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

130 72.3 55.6 83.4



Abundance Ion 48.90 (48.60 to 49.60): VN059271.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059271.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059271.D (-1585) (-)

50000

40000

30000

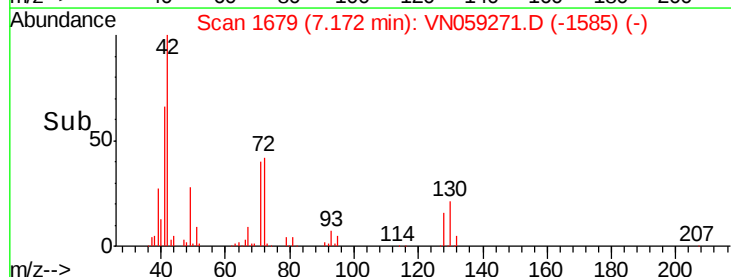
20000

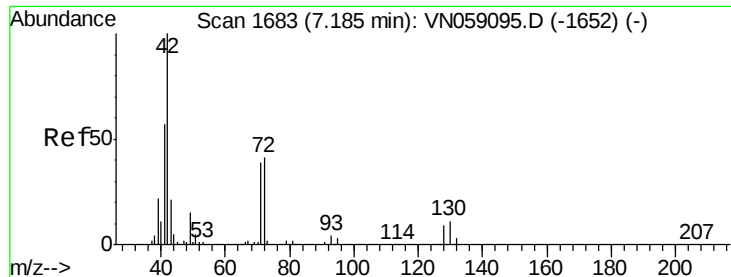
10000

0

7.10 7.20 7.30

Time-->

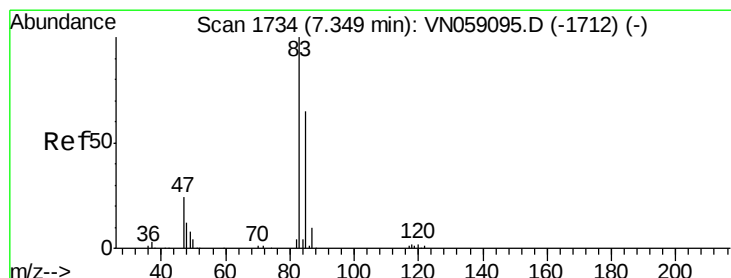
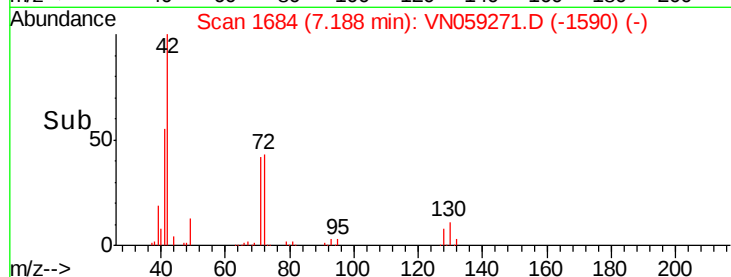
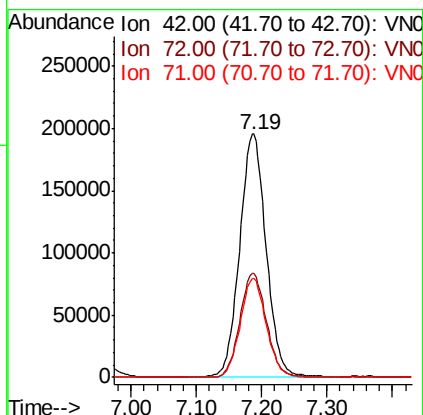
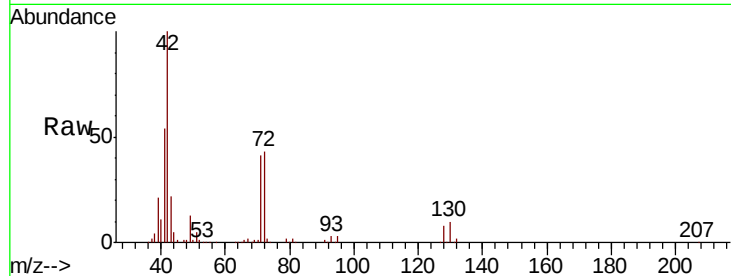




#29
Tetrahydrofuran
Concen: 266.495 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

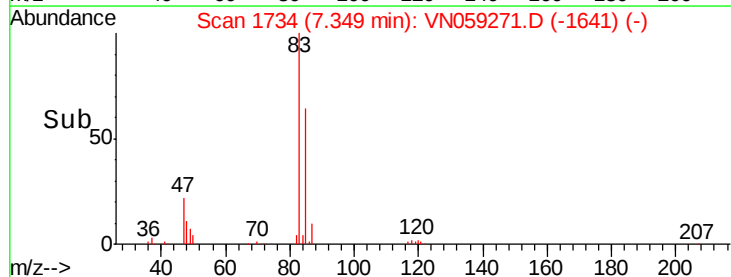
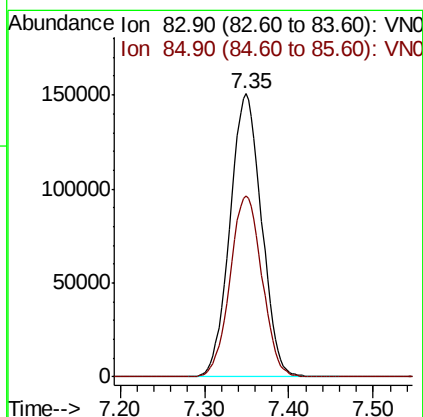
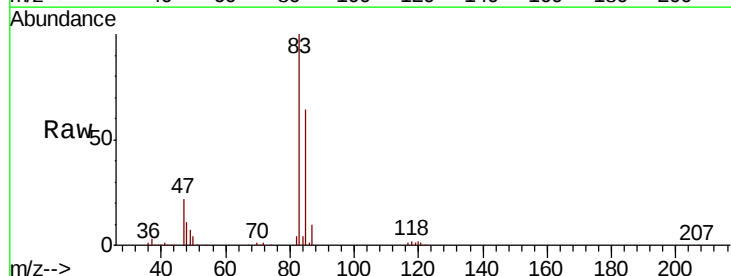
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

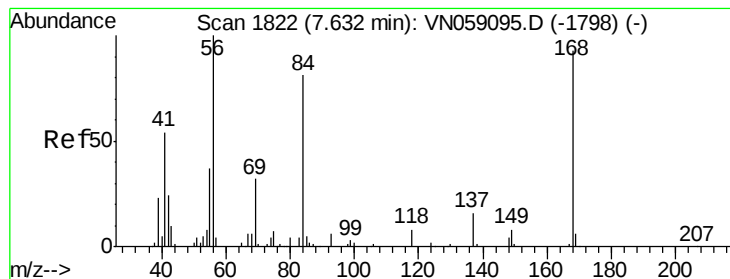
Tot Ion: 42 Resp: 550276
Ion Ratio Lower Upper
42 100
72 42.7 33.1 49.7
71 40.0 30.9 46.3



#30
Chloroform
Concen: 52.504 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 83 Resp: 392735
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.8





#31

Cyclohexane

Concen: 45.678 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

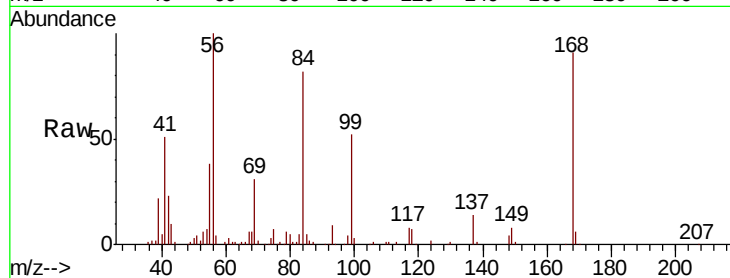
Tot Ion: 56 Resp: 337192

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.8

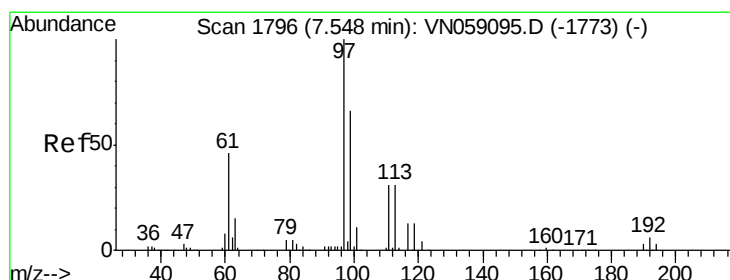
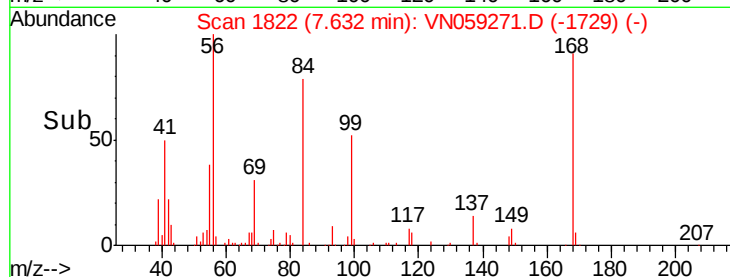
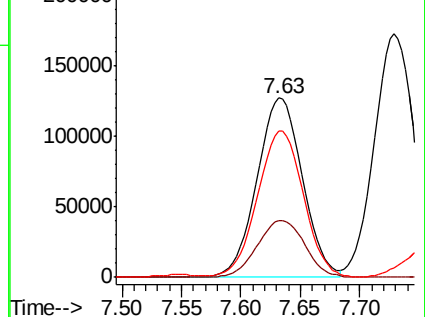
84 80.4 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN059271.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059271.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059271.D (-1798) (-)



#32

1,1,1-Trichloroethane

Concen: 52.277 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

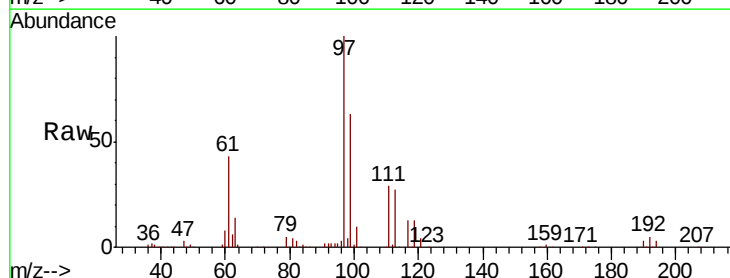
Tgt Ion: 97 Resp: 328766

Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.6

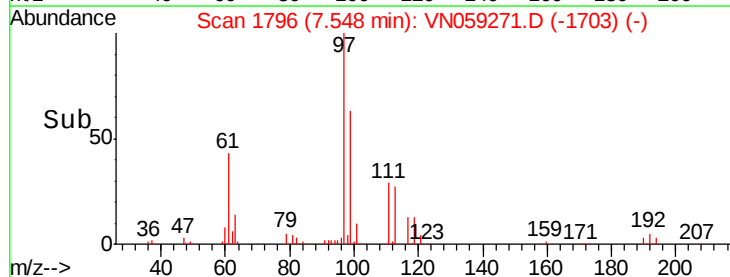
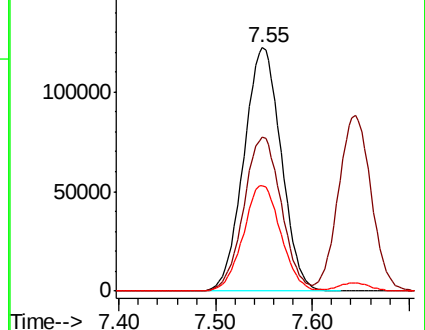
61 43.5 35.8 53.8

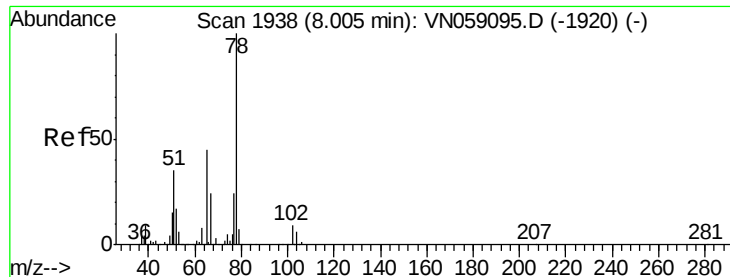


Abundance Ion 96.90 (96.60 to 97.60): VN059271.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059271.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059271.D (-1703) (-)

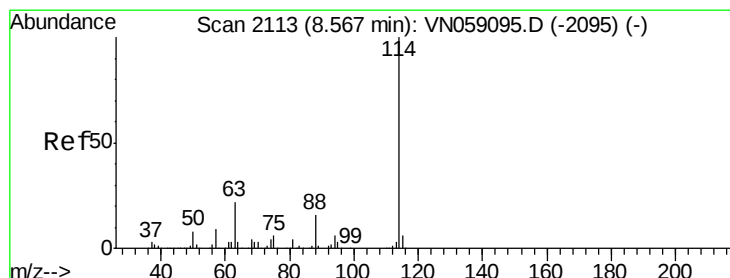
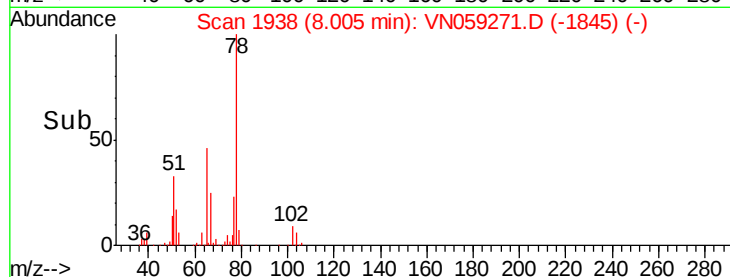
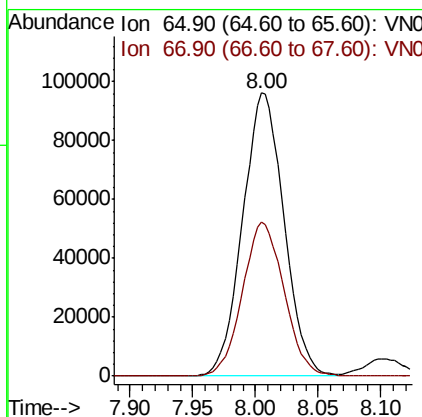
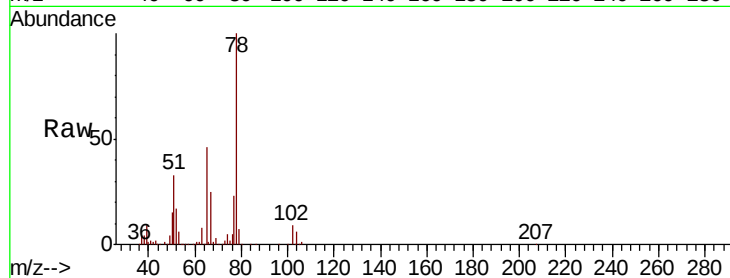




#33
 1,2-Dichloroethane-d4
 Concen: 46.612 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

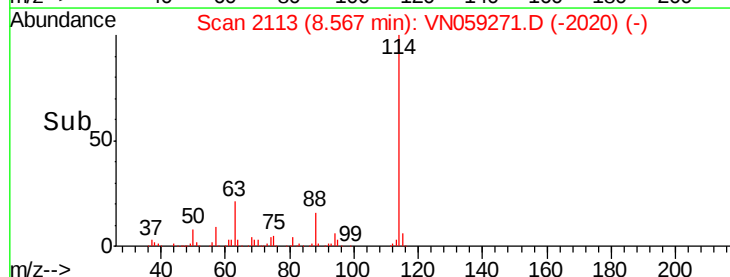
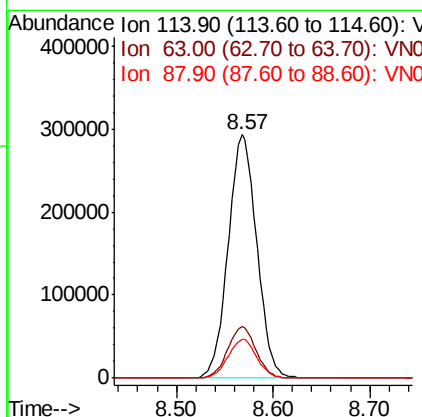
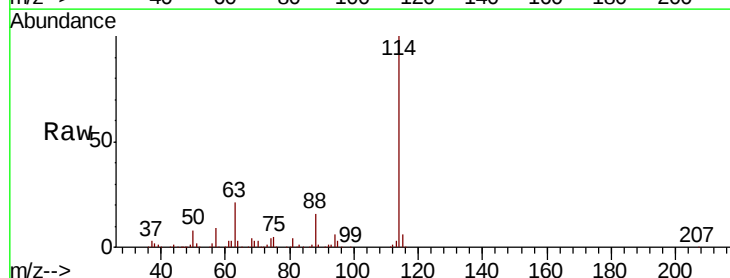
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

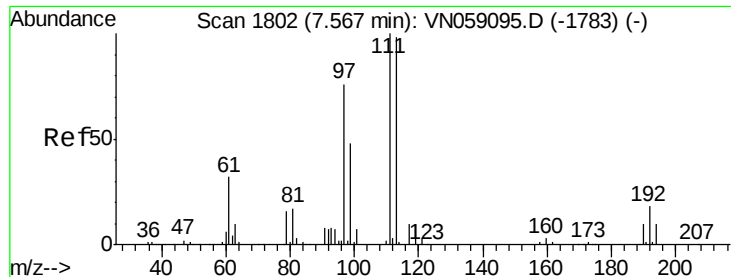
Tot Ion: 65 Resp: 221017
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion: 114 Resp: 602361
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.4
 88 15.9 0.0 32.2

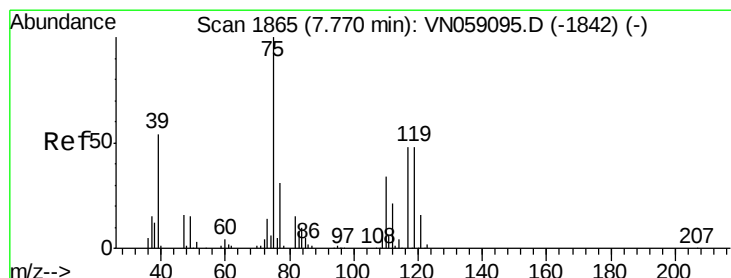
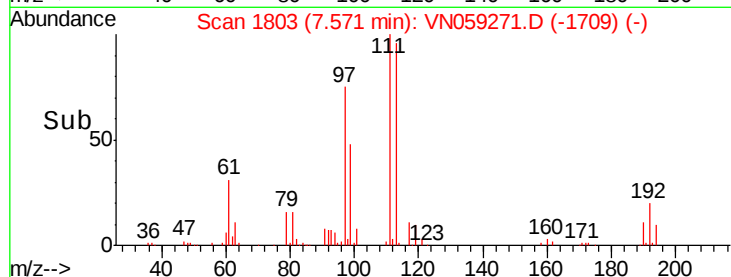
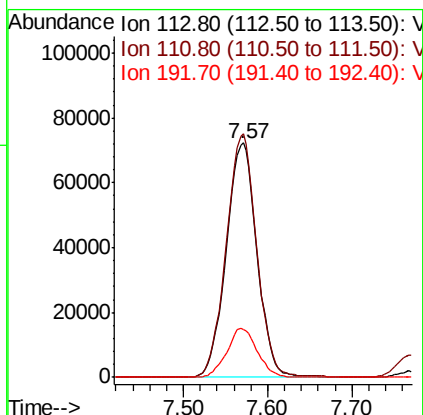
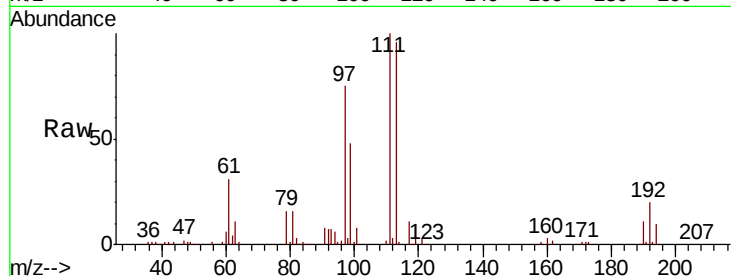




#35
 Dibromofluoromethane
 Concen: 50.886 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

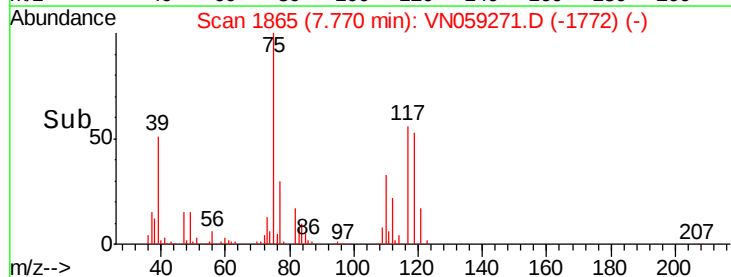
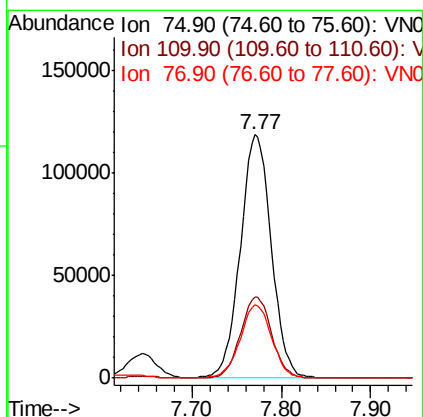
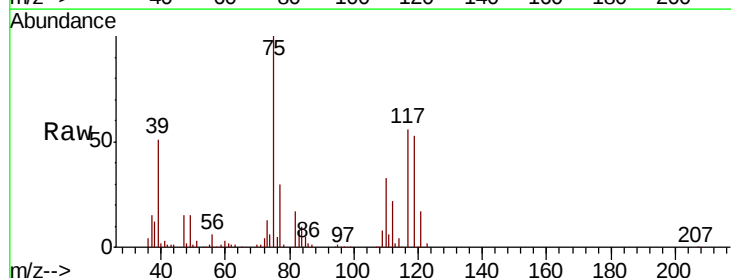
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

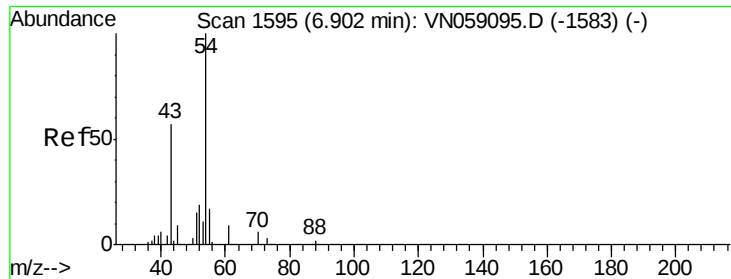
Tot Ion:113 Resp: 183021
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 20.5 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 50.603 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion: 75 Resp: 284910
 Ion Ratio Lower Upper
 75 100
 110 33.7 17.1 51.2
 77 30.8 24.8 37.2

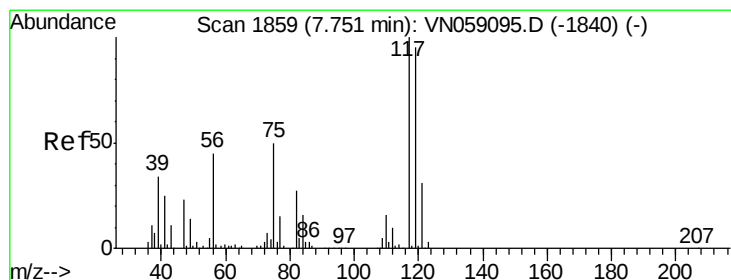
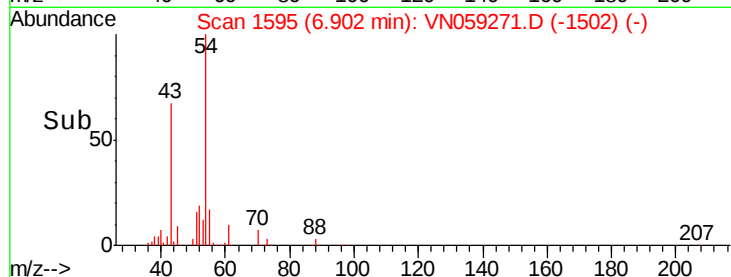
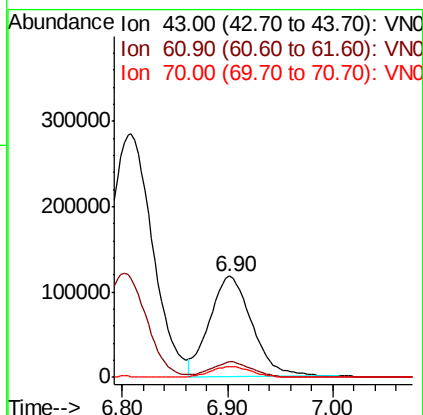
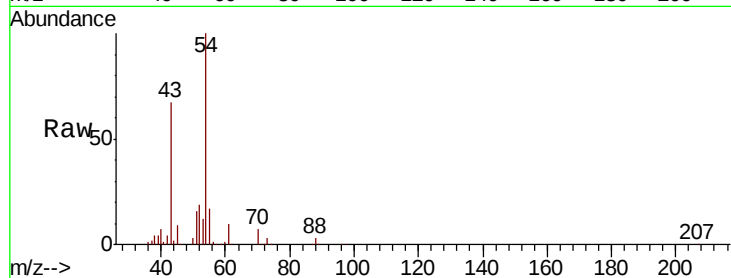




#37
Ethyl Acetate
Concen: 52.479 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

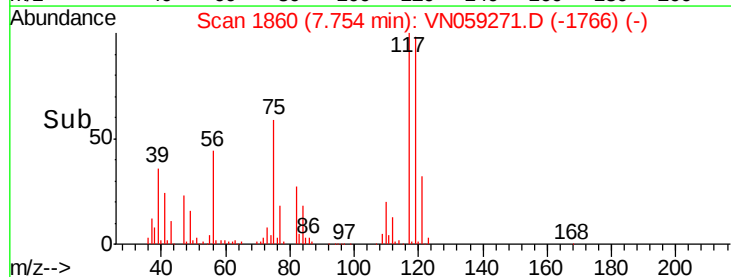
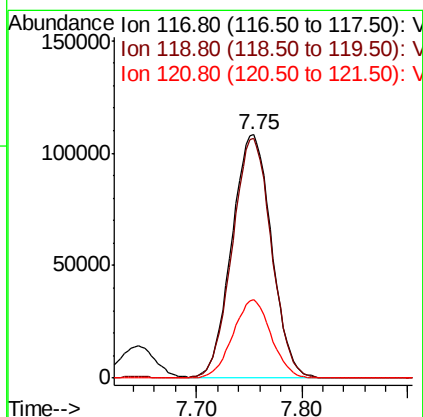
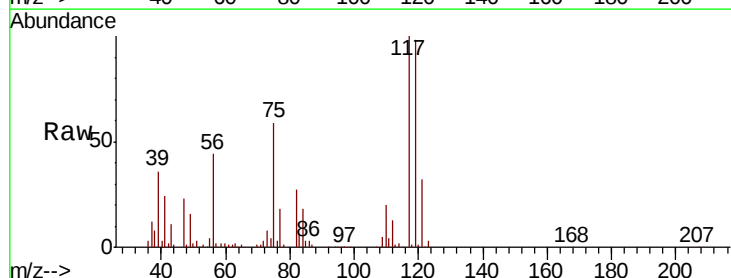
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

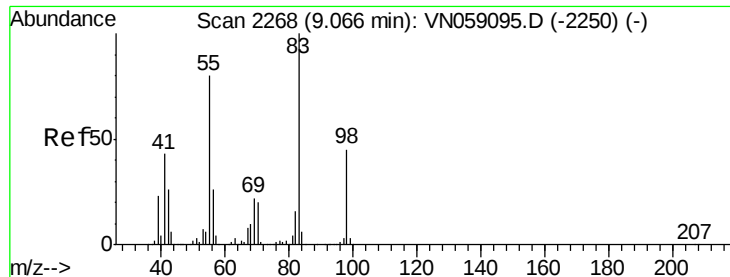
Tot Ion: 43 Resp: 328703
Ion Ratio Lower Upper
43 100
61 14.7 11.2 16.8
70 10.6 7.8 11.8



#38
Carbon Tetrachloride
Concen: 50.546 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 117 Resp: 283260
Ion Ratio Lower Upper
117 100
119 98.5 75.6 113.4
121 32.1 24.6 36.8

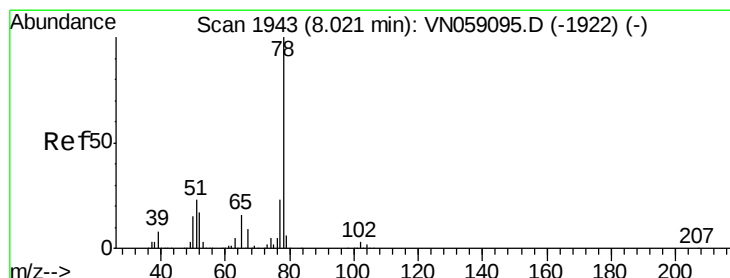
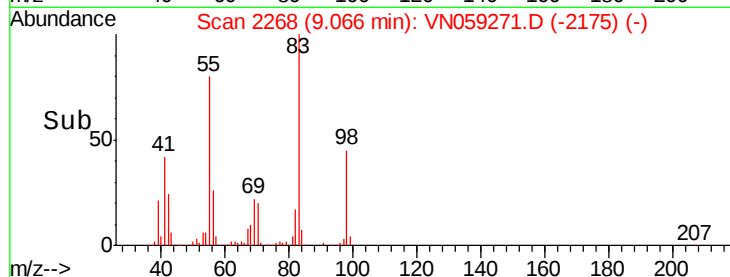
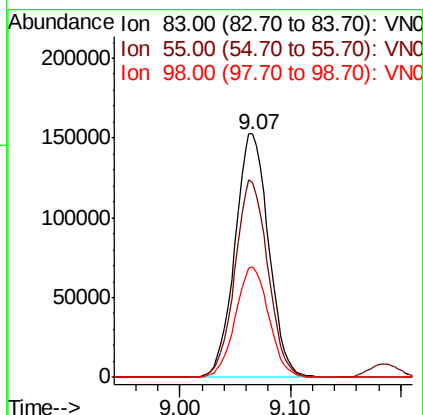
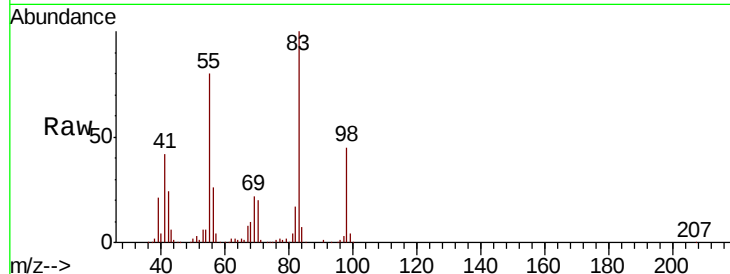




#39
Methvlcvclohexane
Concen: 49.372 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

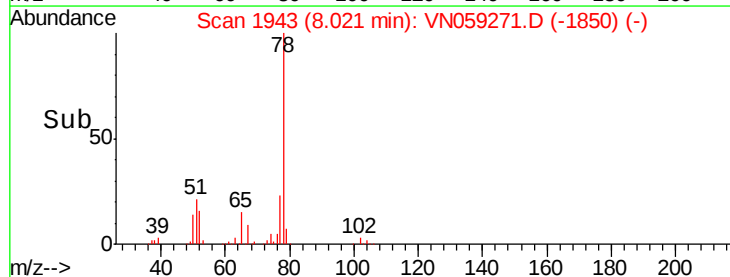
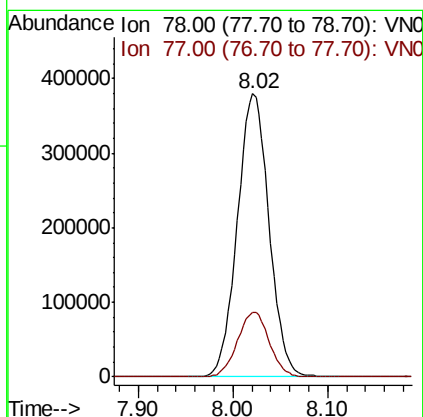
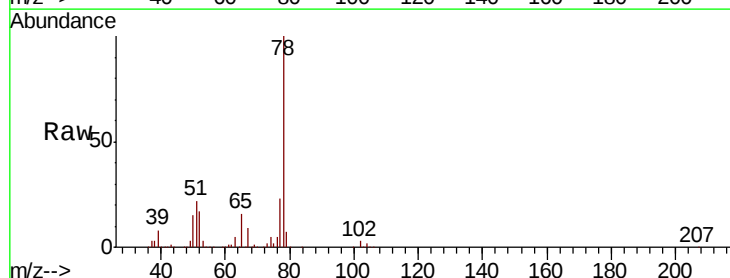
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

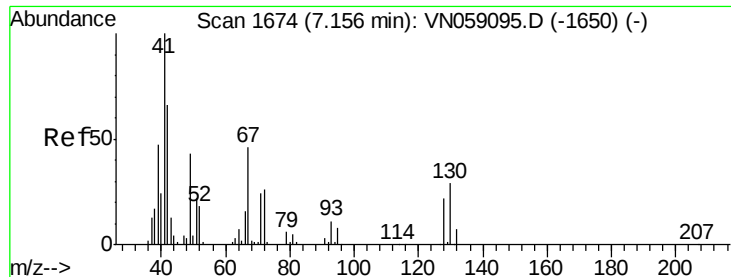
Tot Ion	83	Resp	322619
Ion Ratio	Lower	Upper	
83	100		
55	80.3	63.9	95.9
98	45.3	35.6	53.4



#40
Benzene
Concen: 52.066 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	78	Resp	882771
Ion Ratio	Lower	Upper	
78	100		
77	22.8	18.8	28.2

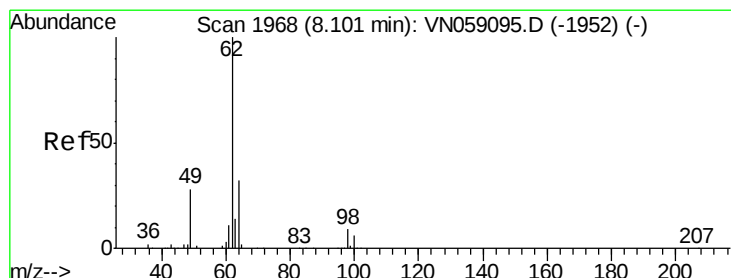
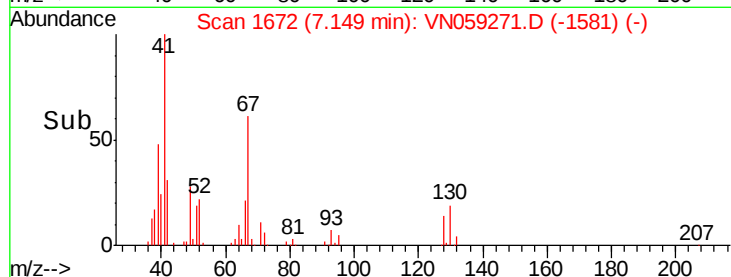
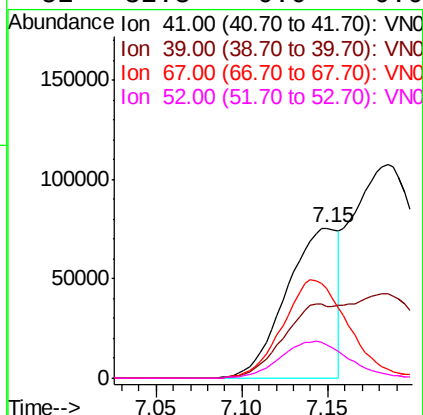
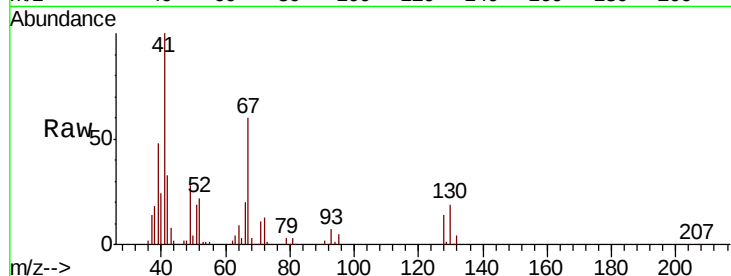




#41
Methacrylonitrile
Concen: 57.749 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

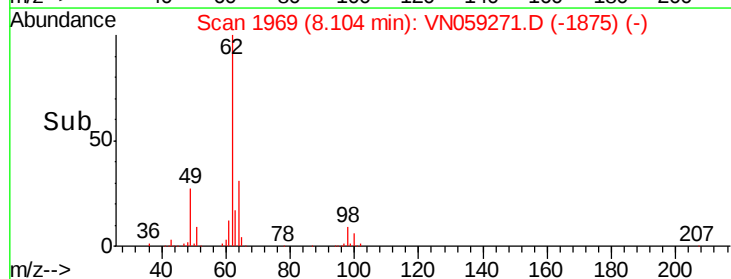
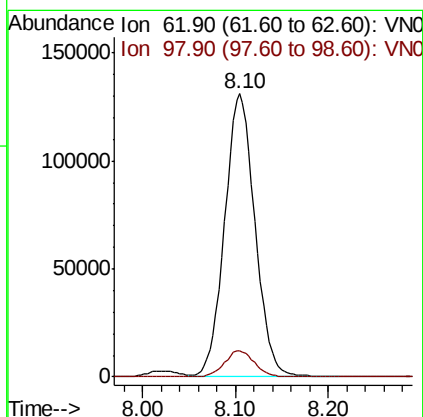
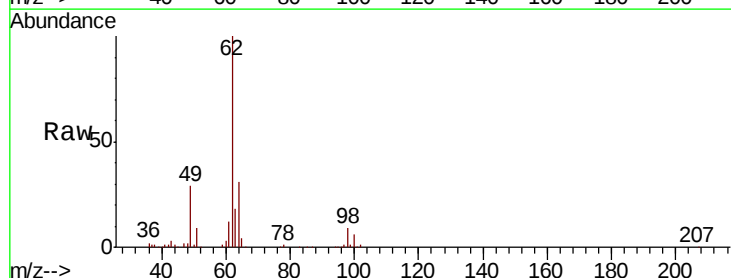
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

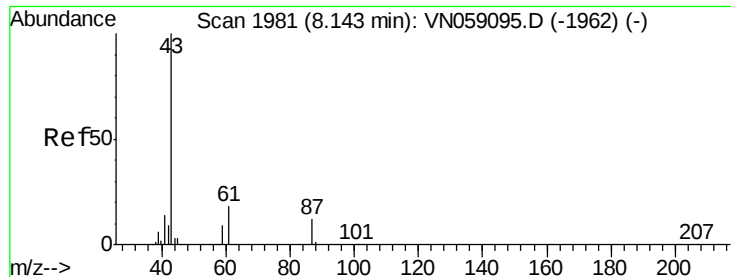
Tot Ion:	41	Resp:	157289
Ion	Ratio	Lower	Upper
41	100		
39	46.6	0.0	0.0#
67	84.2	0.0	0.0#
52	32.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 51.164 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion:	62	Resp:	297522
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 53.304 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

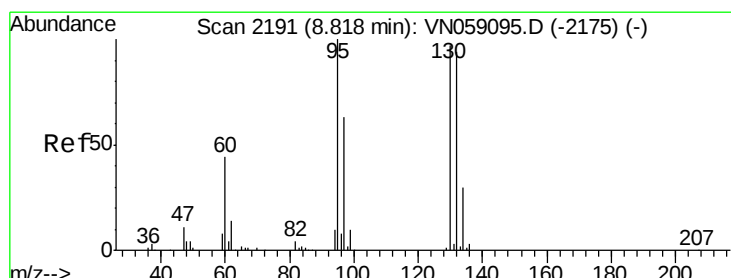
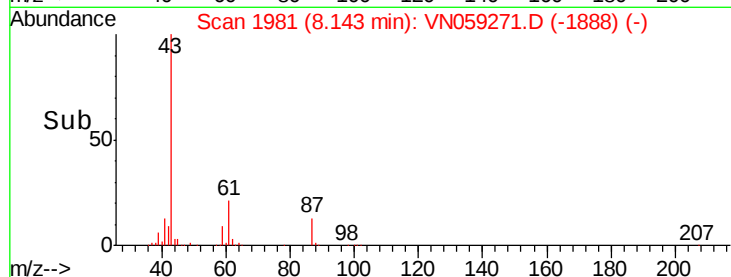
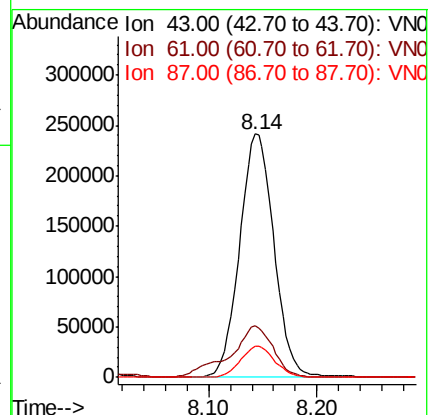
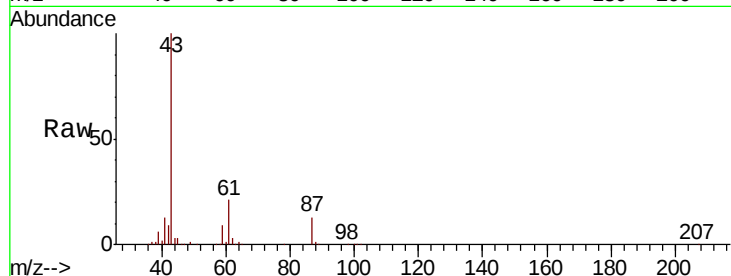
Tot Ion: 43 Resp: 532282

Ion Ratio Lower Upper

43 100

61 26.5 21.0 31.6

87 12.8 9.8 14.6



#44

Trichloroethene

Concen: 51.365 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059271.D

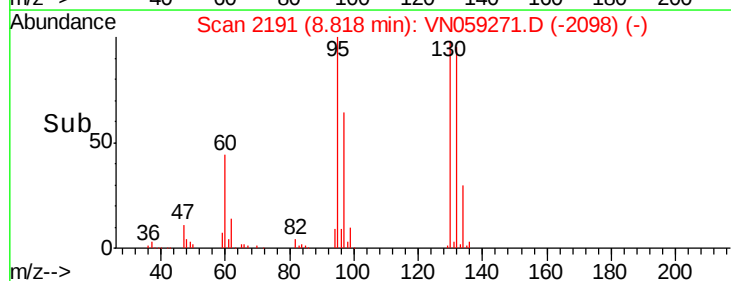
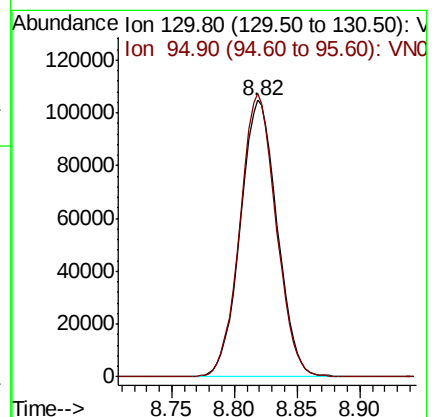
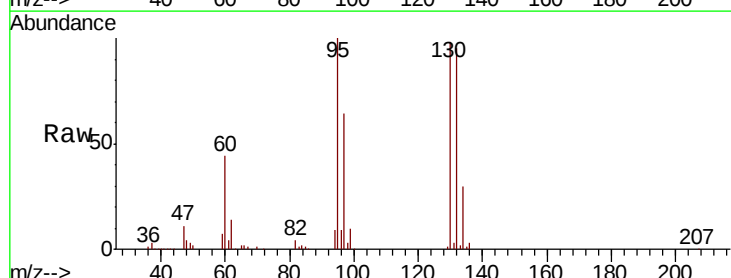
Acq: 15 Nov 2019 17:09

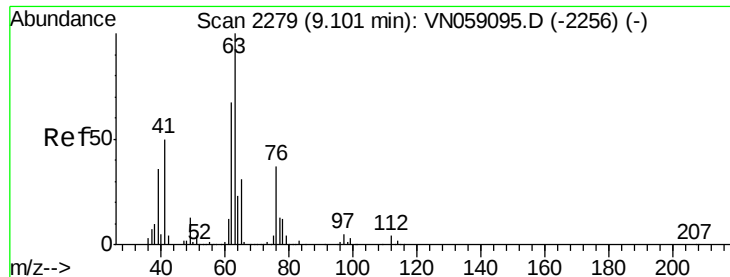
Tgt Ion: 130 Resp: 214078

Ion Ratio Lower Upper

130 100

95 102.4 0.0 206.4





#45

1,2-Dichloropropane

Concen: 53.207 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

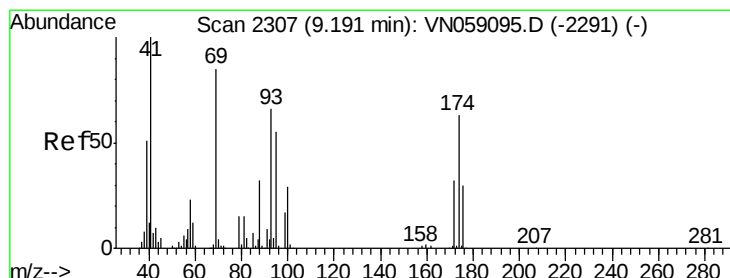
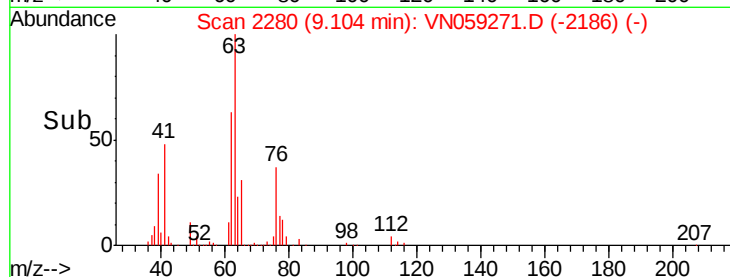
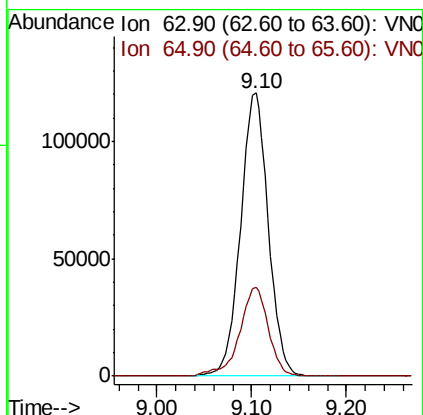
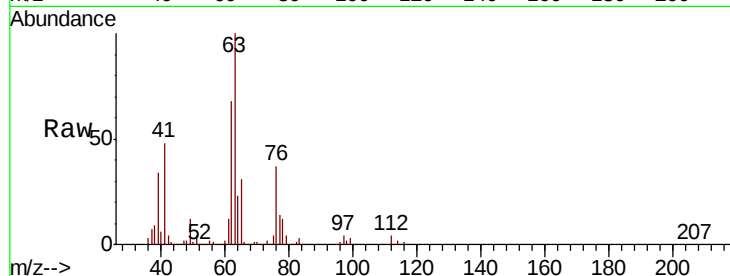
VSTDCCC050EC

Tot Ion: 63 Resp: 245032

Ion Ratio Lower Upper

63 100

65 31.4 24.6 37.0



#46

Dibromomethane

Concen: 51.179 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

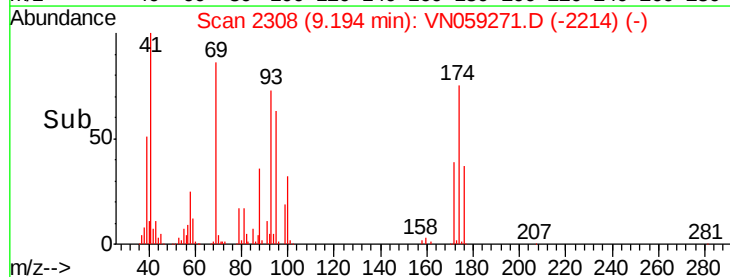
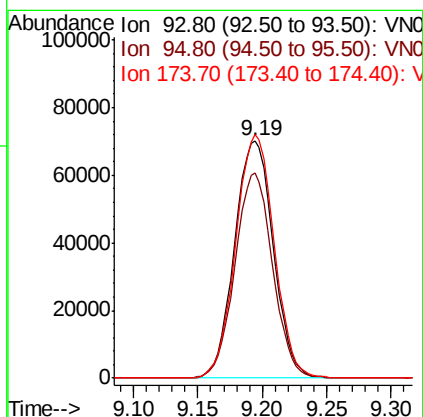
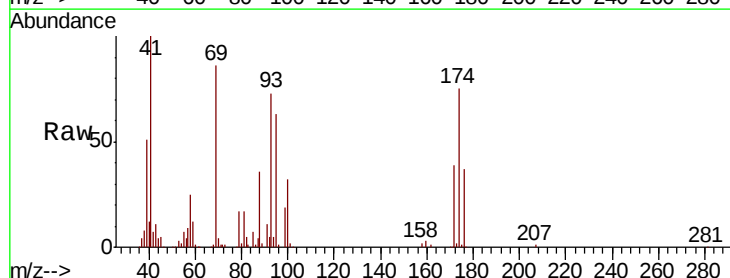
Tgt Ion: 93 Resp: 146872

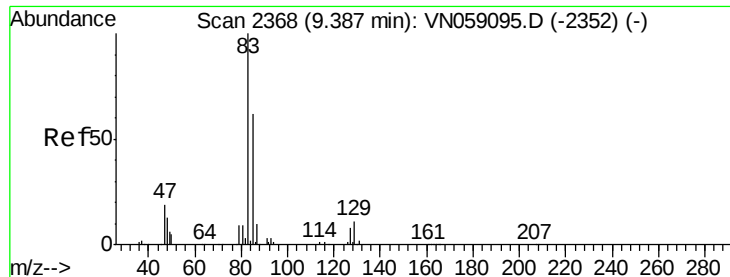
Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

174 101.6 78.2 117.2





#47

Bromodichloromethane

Concen: 54.231 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

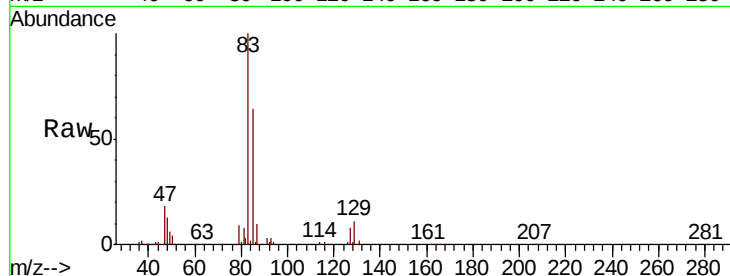
Tot Ion: 83 Resp: 310767

Ion Ratio Lower Upper

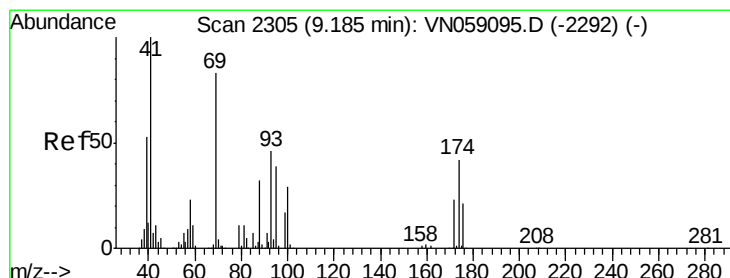
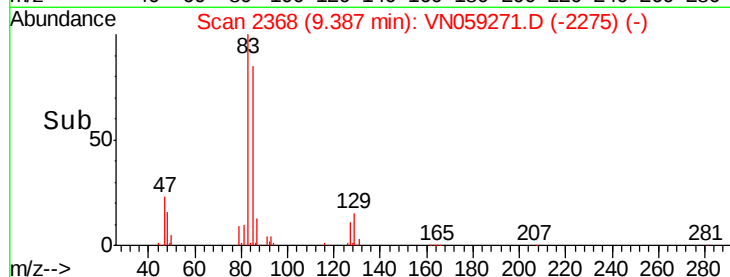
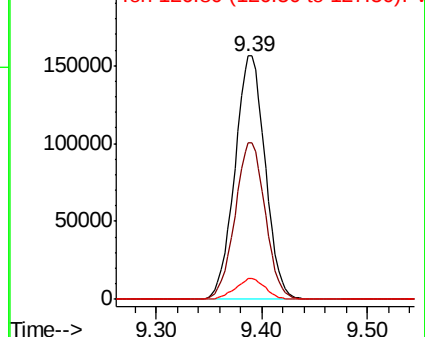
83 100

85 64.1 49.7 74.5

127 8.4 6.4 9.6



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



#48

Methyl methacrylate

Concen: 53.260 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

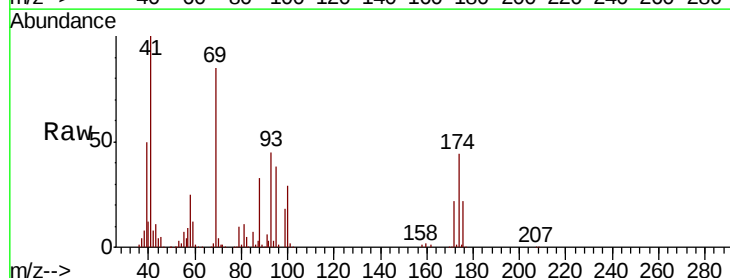
Tgt Ion: 41 Resp: 237891

Ion Ratio Lower Upper

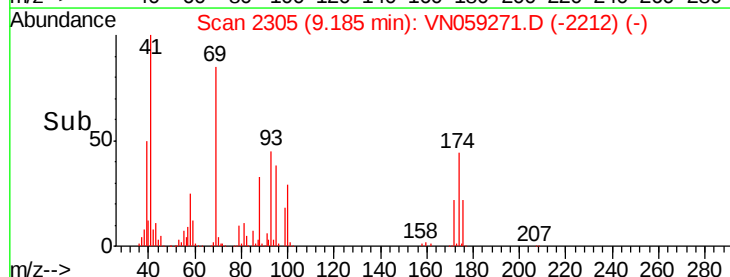
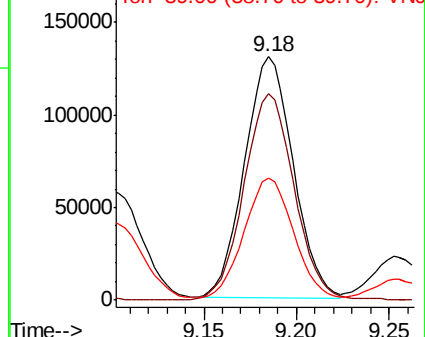
41 100

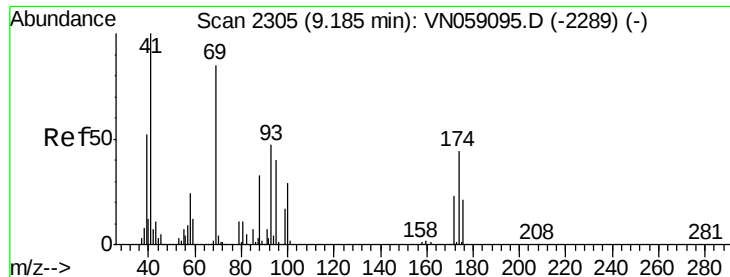
69 88.5 67.3 100.9

39 52.0 43.3 64.9



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





#49

1,4-Dioxane

Concen: 1152.492 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

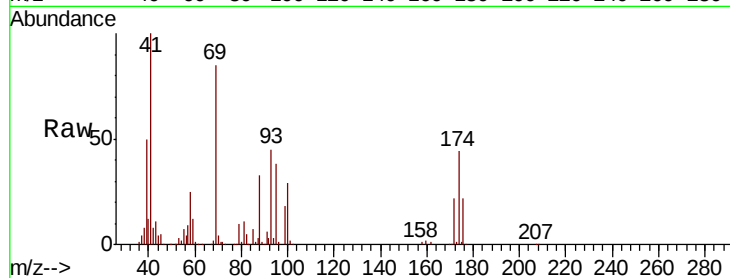
Tot Ion: 88 Resp: 91482

Ion Ratio Lower Upper

88 100

43 30.8 26.3 39.5

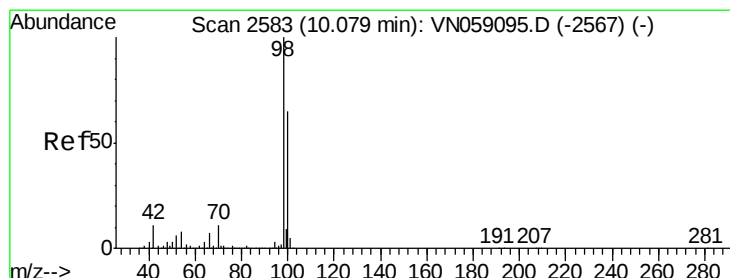
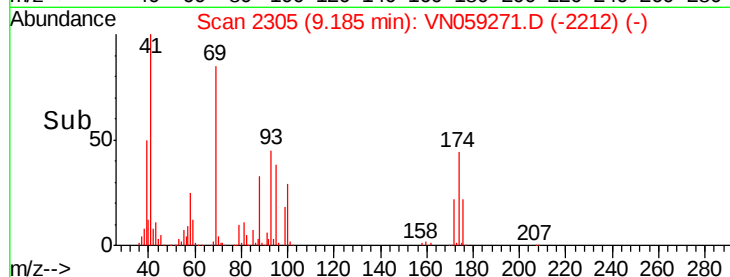
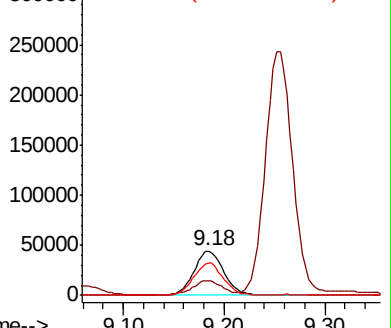
58 71.7 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): VN059271.D (-2212) (-)

Ion 43.00 (42.70 to 43.70): VN059271.D (-2212) (-)

Ion 58.00 (57.70 to 58.70): VN059271.D (-2212) (-)



#50

Toluene-d8

Concen: 48.357 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059271.D

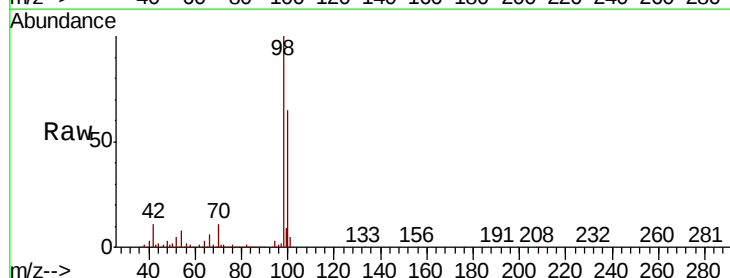
Acq: 15 Nov 2019 17:09

Tgt Ion: 98 Resp: 685079

Ion Ratio Lower Upper

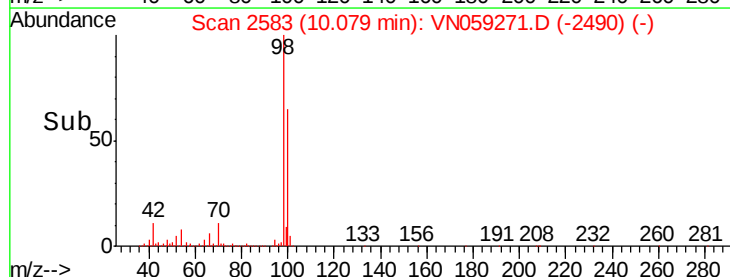
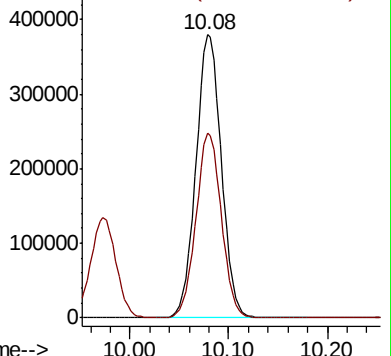
98 100

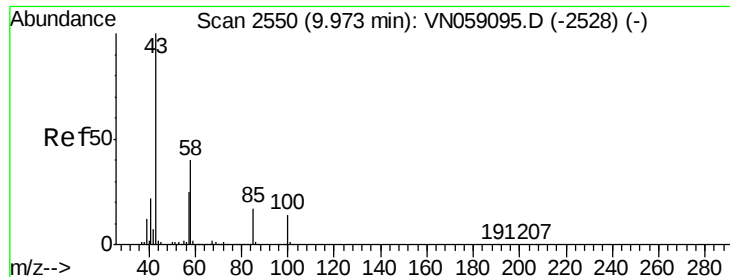
100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059271.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059271.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 299.275 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

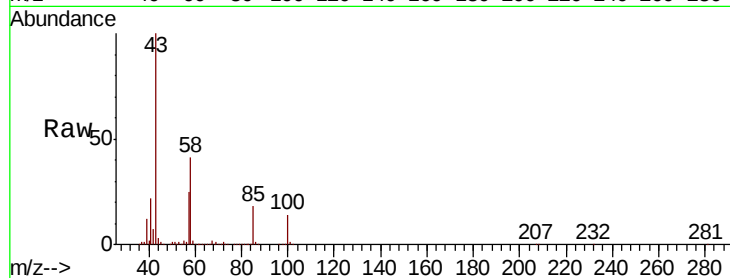
VSTDCCC050EC

Tot Ion: 43 Resp: 1690951

Ion Ratio Lower Upper

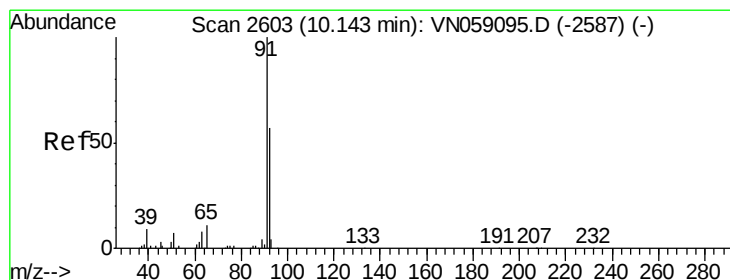
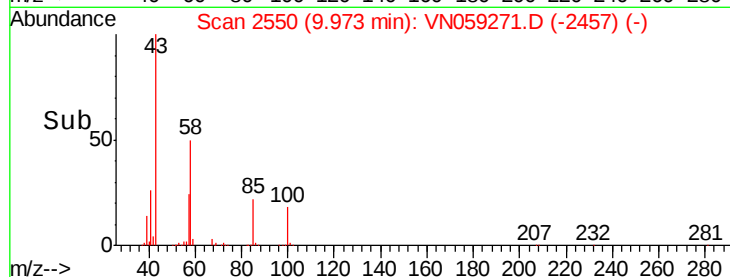
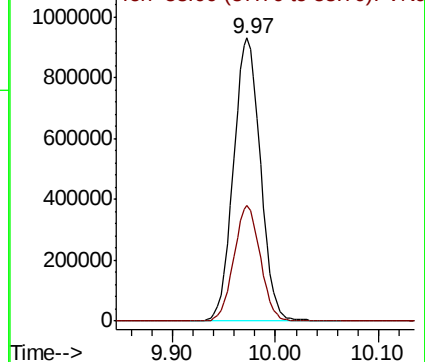
43 100

58 40.1 31.5 47.3



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

Ion 58.00 (57.70 to 58.70): VN059095.D



#52

Toluene

Concen: 53.357 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059271.D

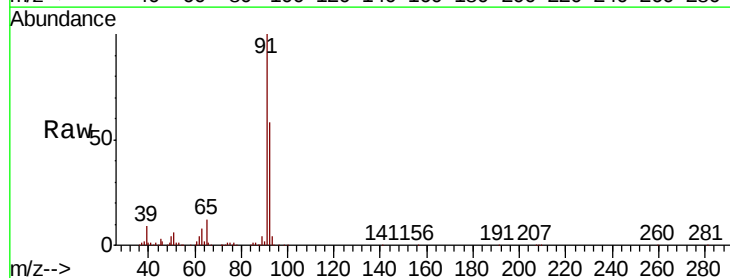
Acq: 15 Nov 2019 17:09

Tgt Ion: 92 Resp: 542225

Ion Ratio Lower Upper

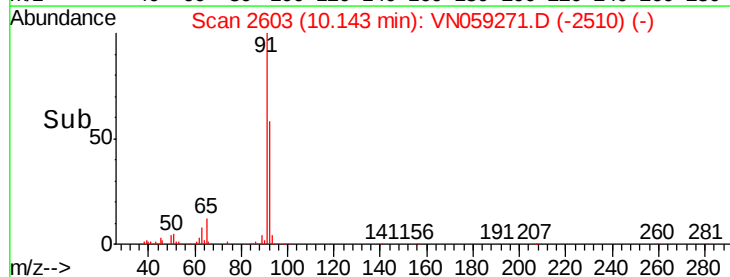
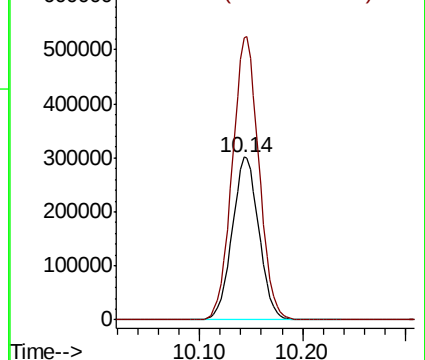
92 100

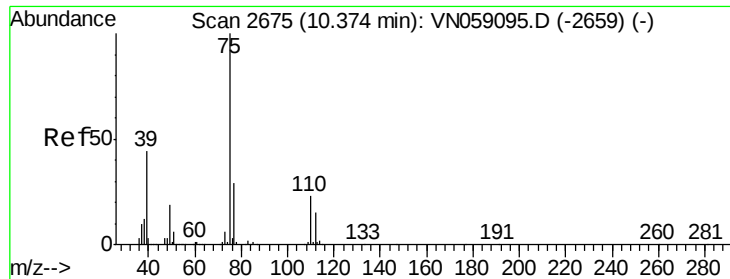
91 173.7 139.5 209.3



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

Ion 91.00 (90.70 to 91.70): VN059095.D





#53

t-1,3-Dichloropropene

Concen: 53.771 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

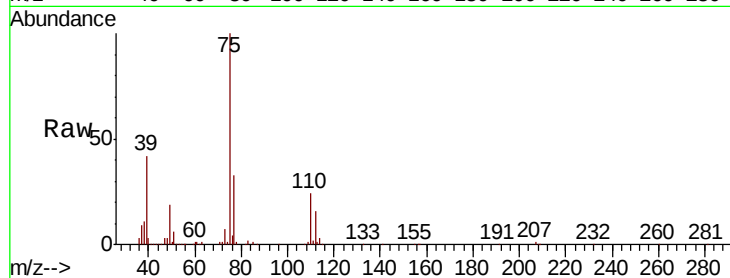
VSTDCCC050EC

Tot Ion: 75 Resp: 355989

Ion Ratio Lower Upper

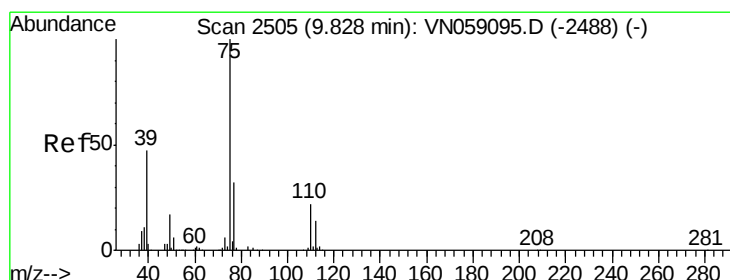
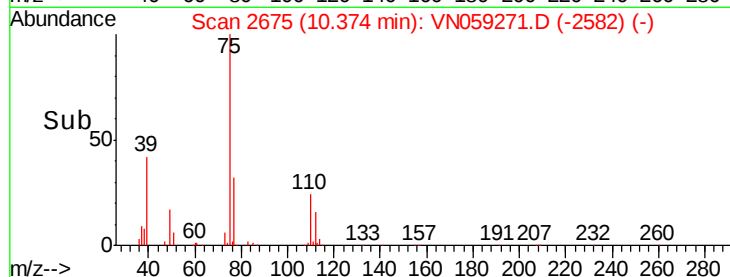
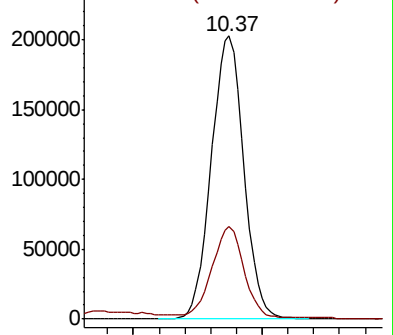
75 100

77 32.2 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.065 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

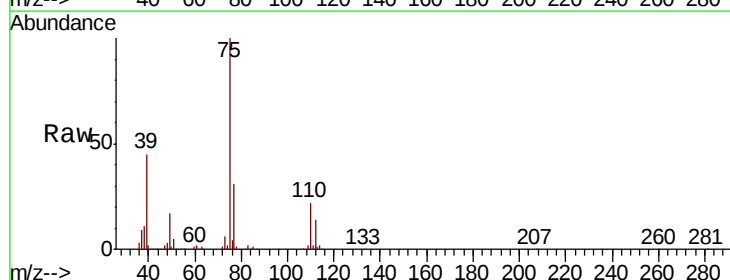
Tgt Ion: 75 Resp: 385028

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

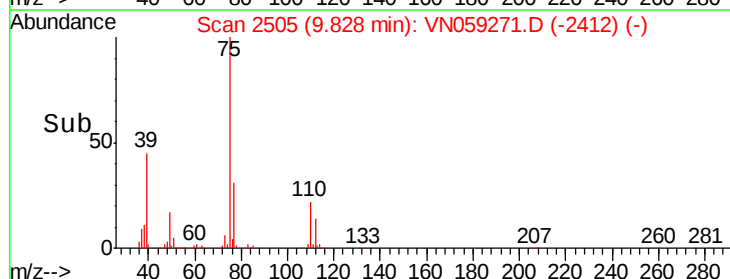
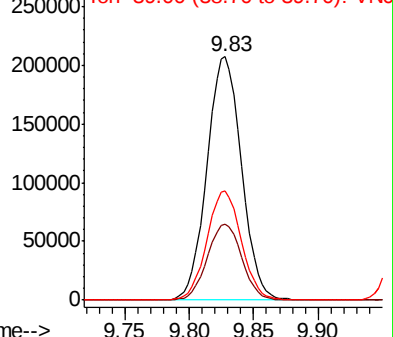
39 44.8 37.3 55.9

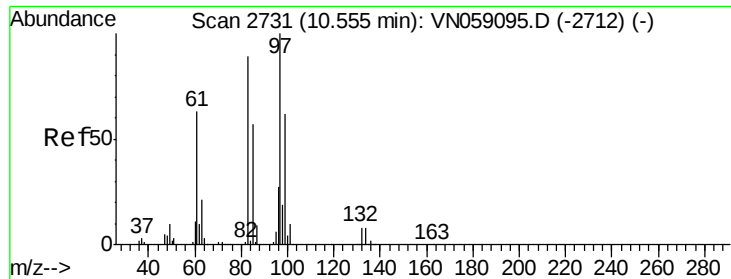


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

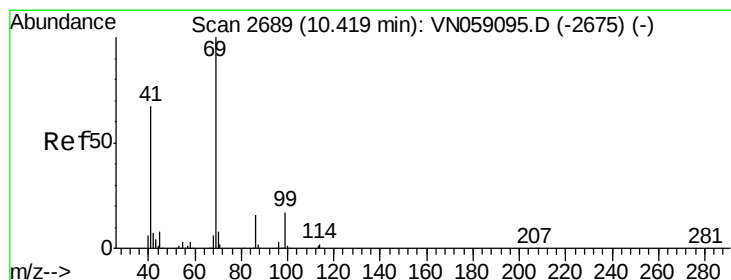
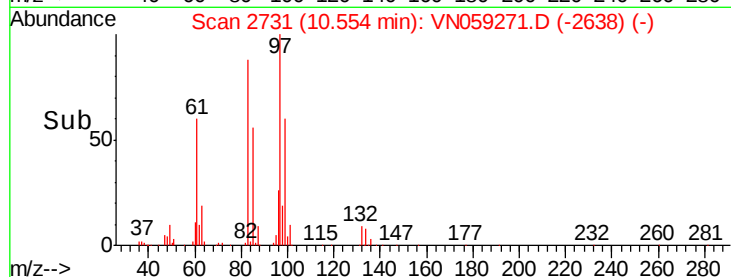
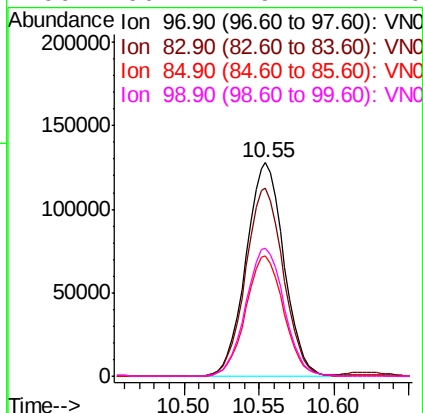
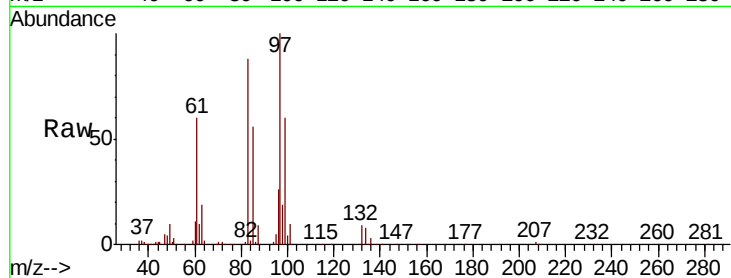




#55
 1,1,2-Trichloroethane
 Concen: 54.780 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

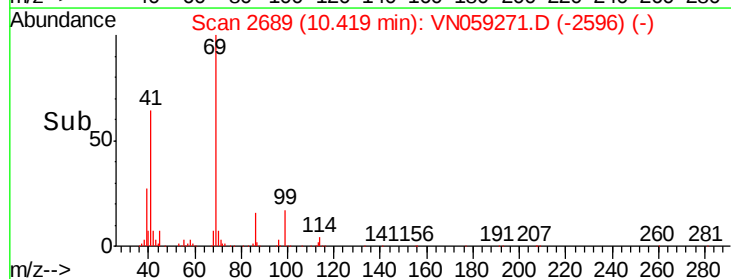
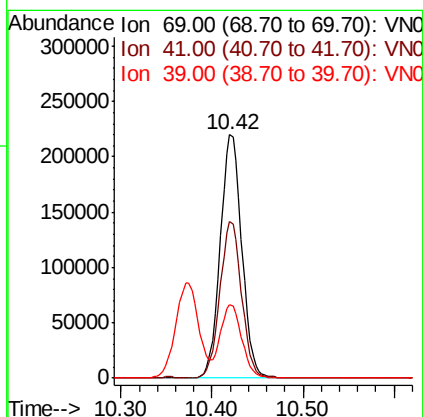
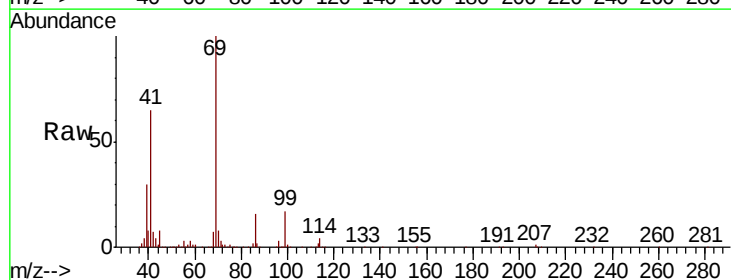
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

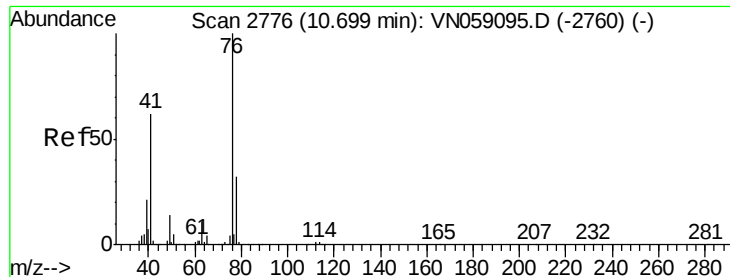
Tot Ion:	97	Resp:	225297
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.0	106.4
85	56.5	45.8	68.8
99	60.1	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 52.799 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion:	69	Resp:	362931
Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.6	80.4
39	30.1	26.2	39.4





#57

1,3-Dichloropropane

Concen: 54.181 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

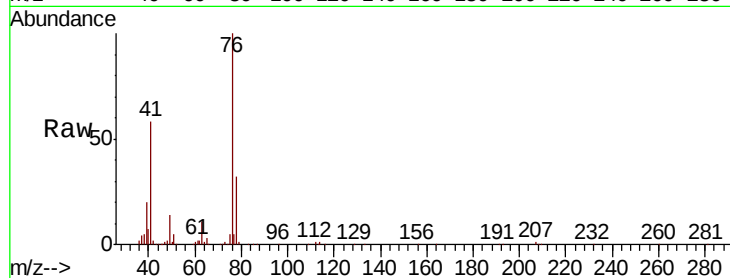
VSTDCCC050EC

Tot Ion: 76 Resp: 383518

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

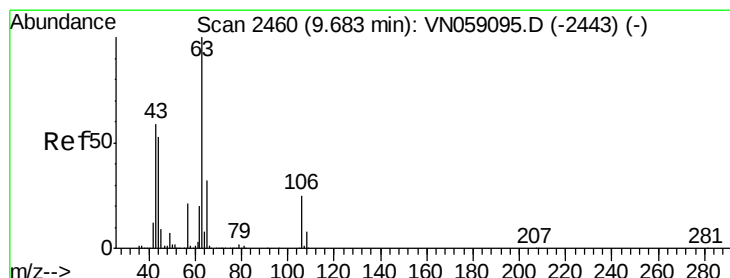
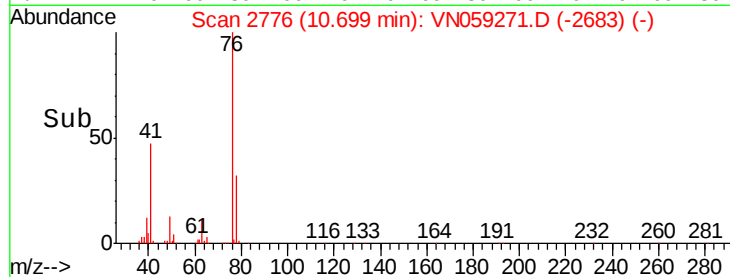
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 286.390 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059271.D

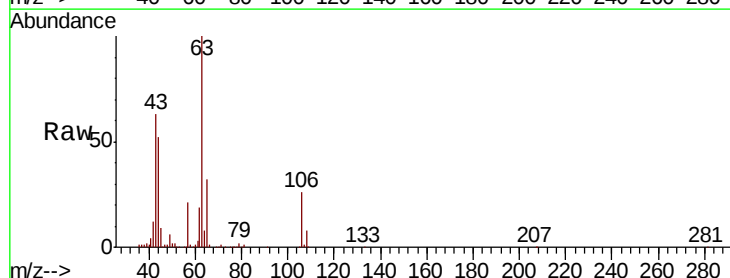
Acq: 15 Nov 2019 17:09

Tgt Ion: 63 Resp: 655505

Ion Ratio Lower Upper

63 100

106 25.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

400000

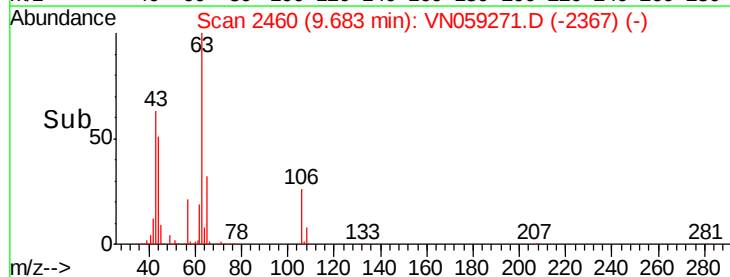
300000

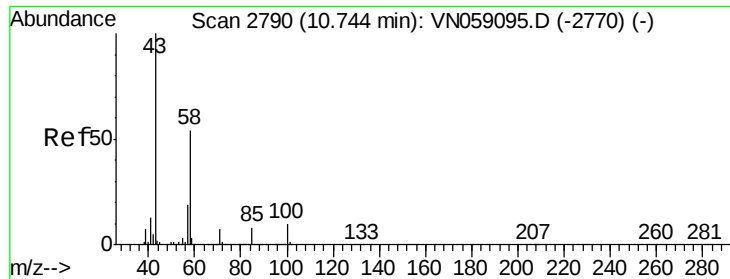
200000

100000

0

Time-->

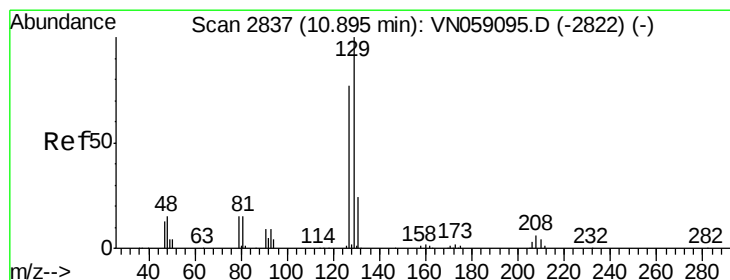
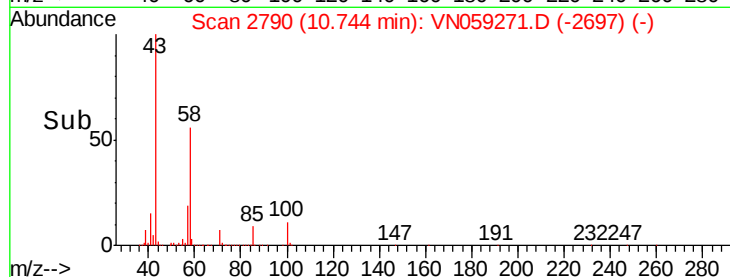
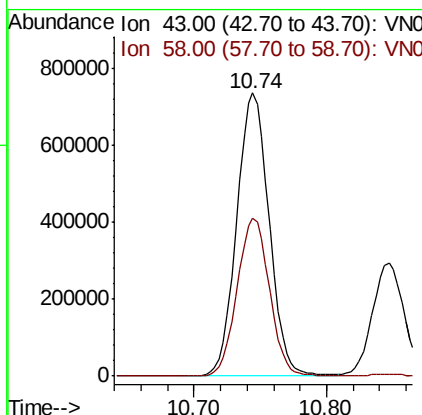
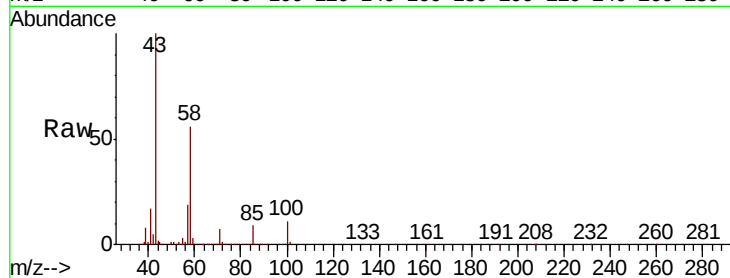




#59
2-Hexanone
Concen: 286.936 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

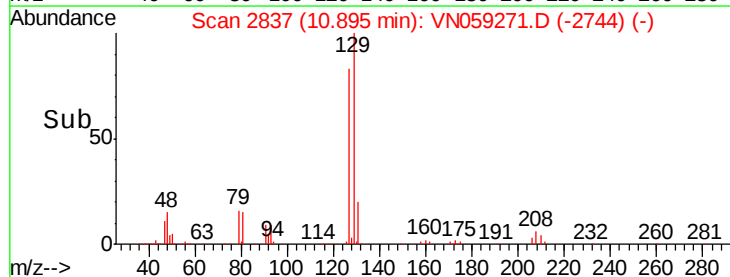
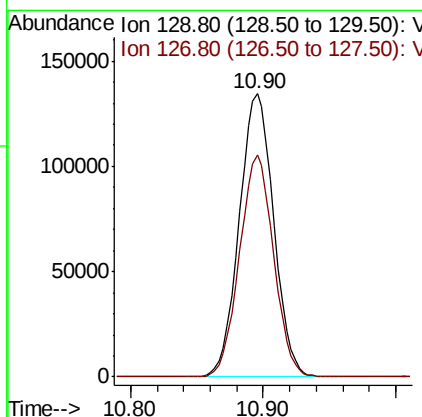
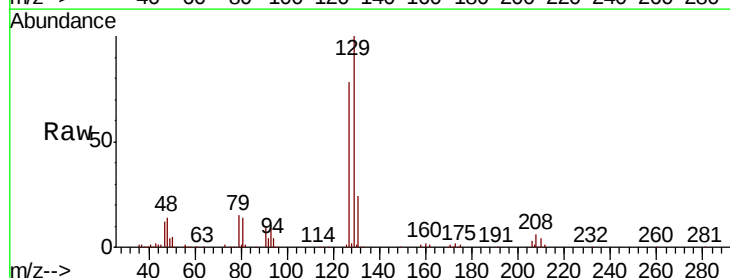
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

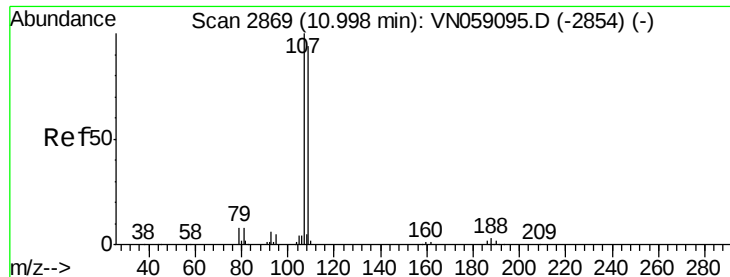
Tot Ion: 43 Resp: 1244372
Ion Ratio Lower Upper
43 100
58 56.0 27.3 81.8



#60
Dibromochloromethane
Concen: 55.713 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 129 Resp: 242262
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

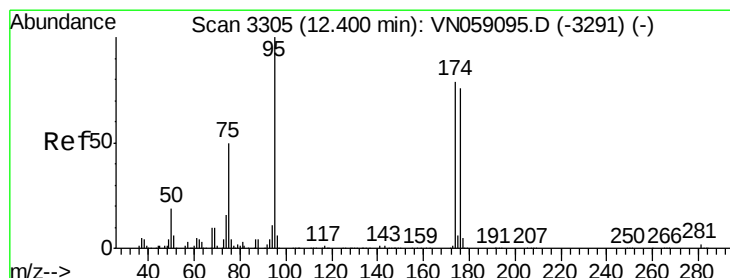
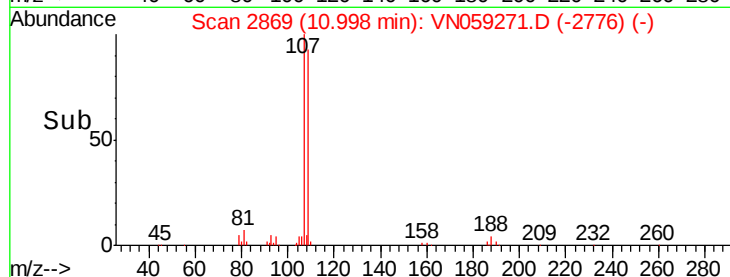
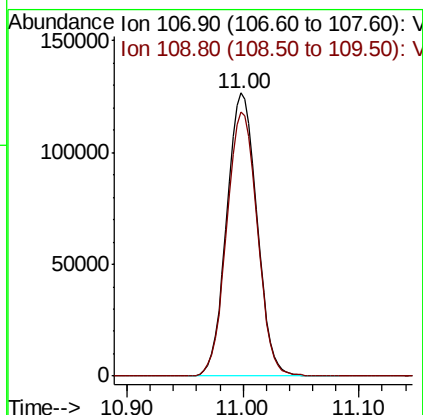
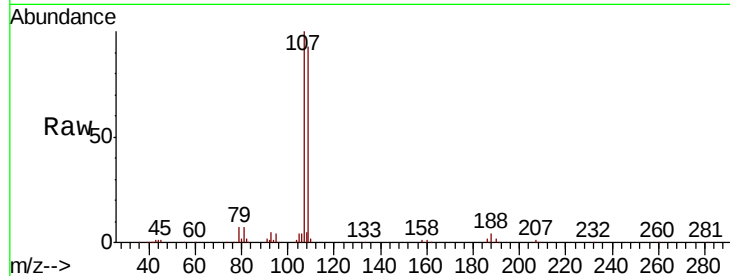




#61
 1,2-Dibromoethane
 Concen: 54.725 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

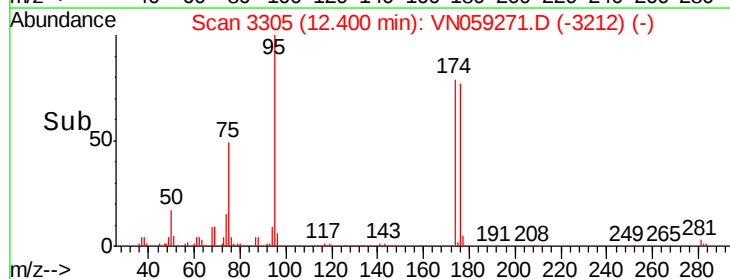
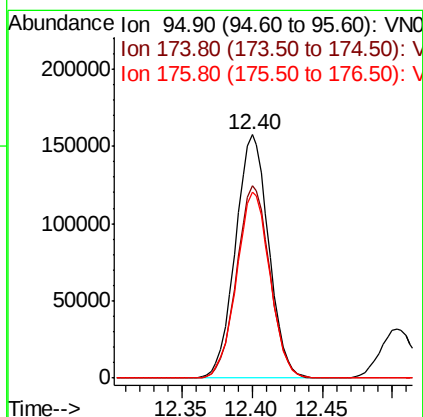
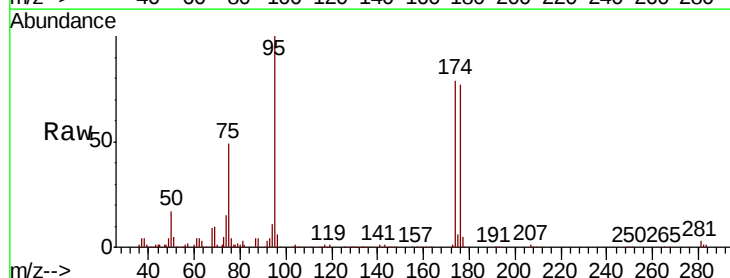
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

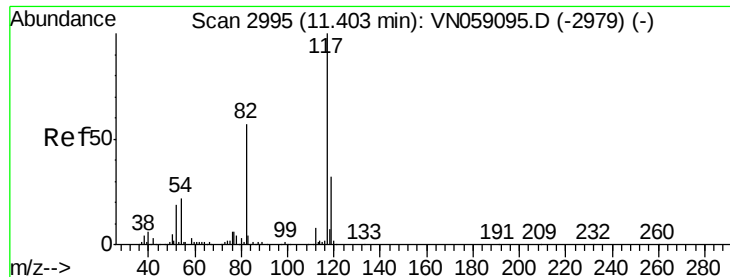
Tot Ion:107 Resp: 227842
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 51.042 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion: 95 Resp: 260728
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 158.2
 176 76.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

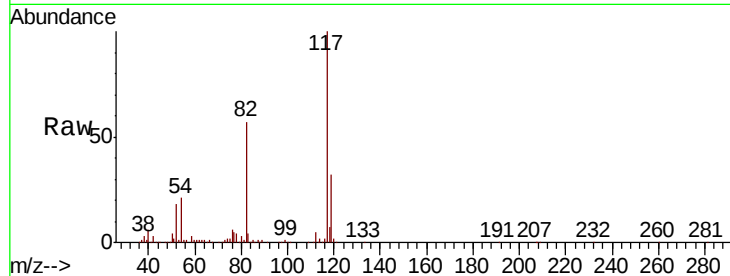
Tot Ion:117 Resp: 549401

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.8

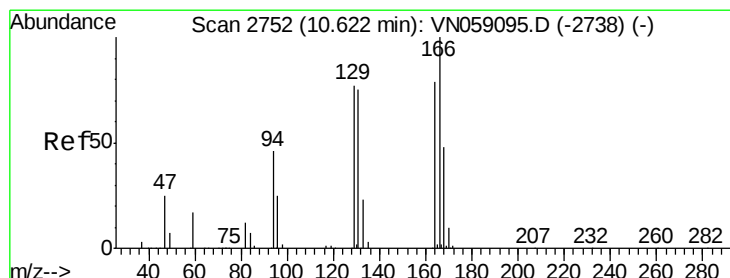
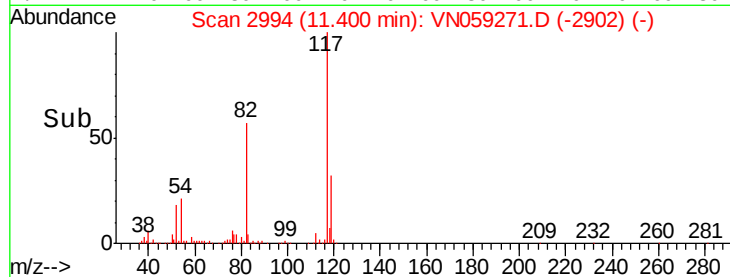
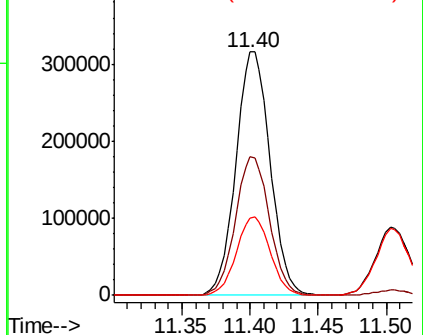
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.097 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:164 Resp: 187155

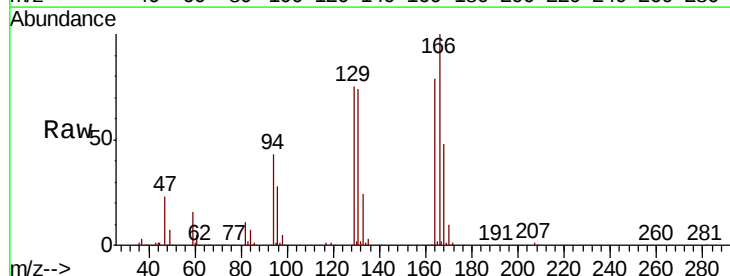
Ion Ratio Lower Upper

164 100

166 127.2 101.5 152.3

129 95.9 78.3 117.5

131 94.2 75.9 113.9

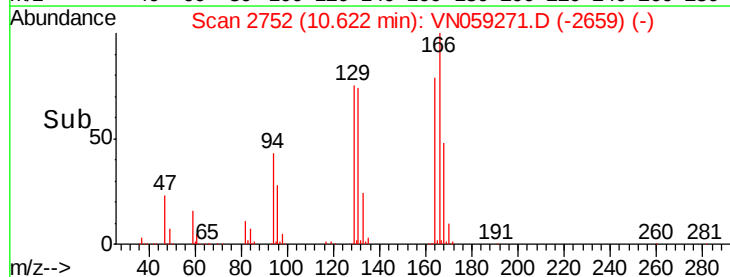
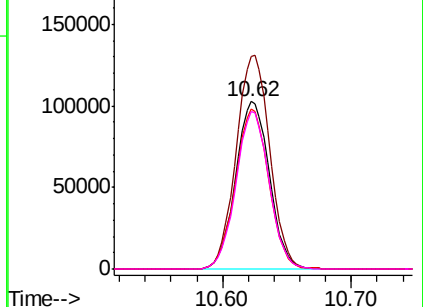


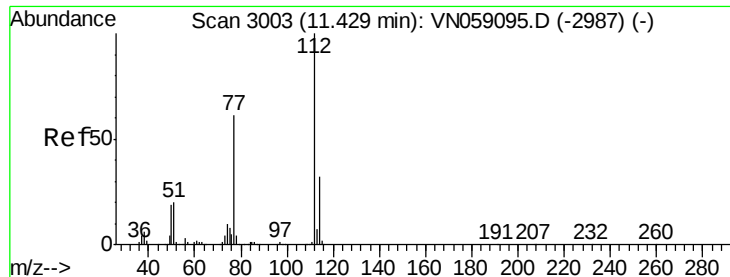
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

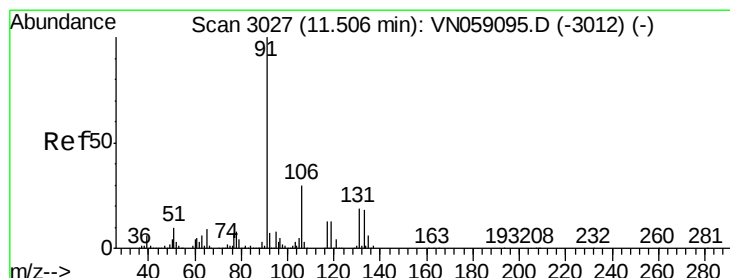
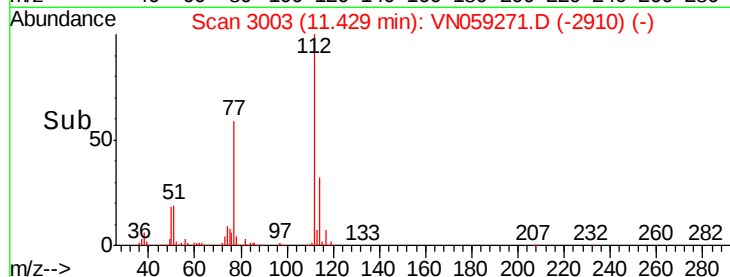
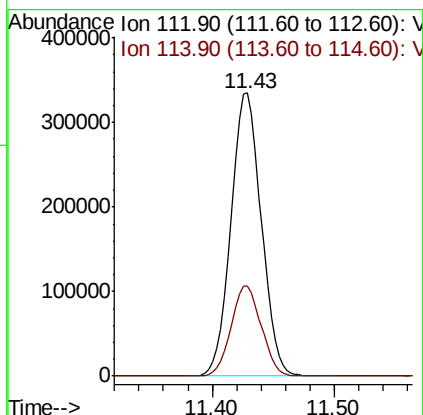
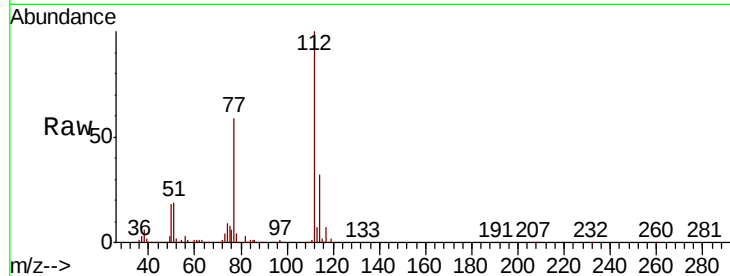




#65
Chlorobenzene
Concen: 54.113 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

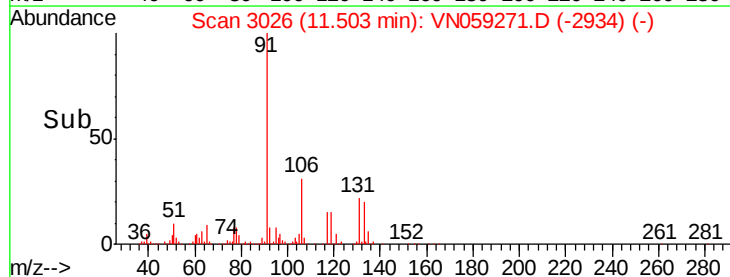
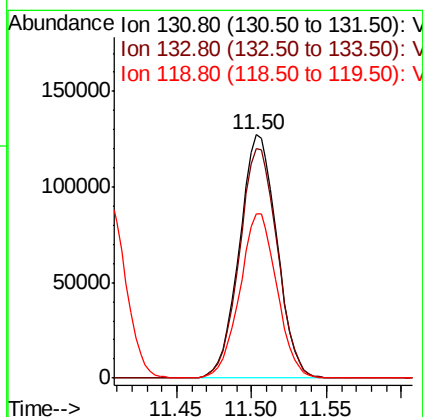
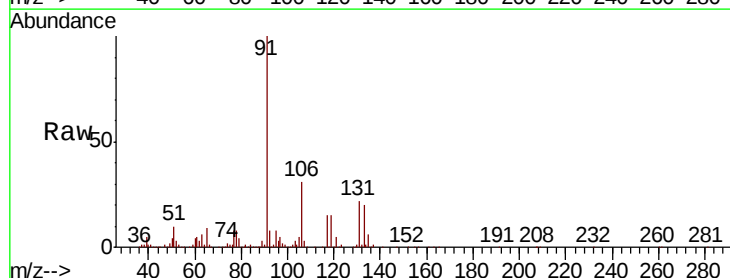
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

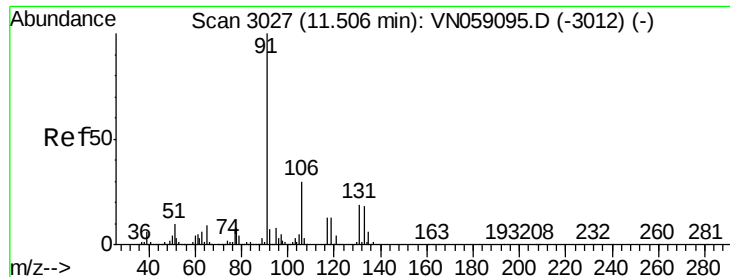
Tot Ion:112 Resp: 579548
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.343 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion:131 Resp: 222344
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.3
119 66.6 33.2 99.6

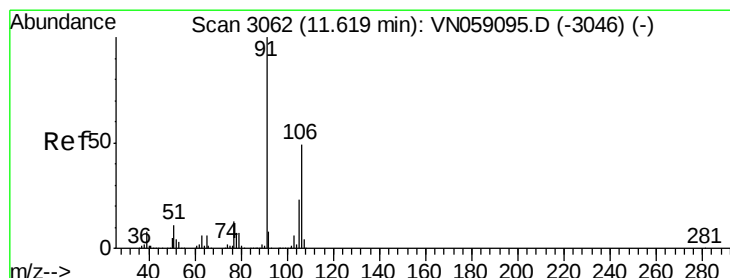
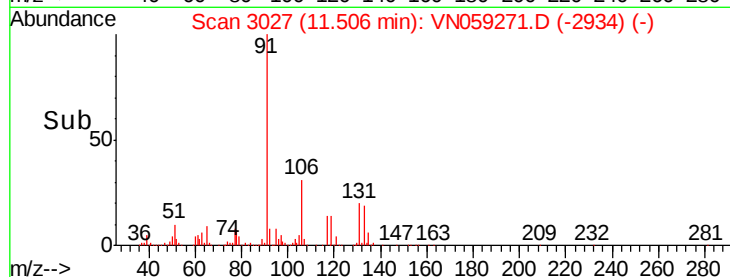
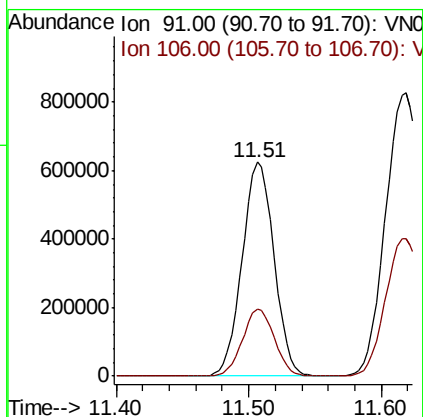
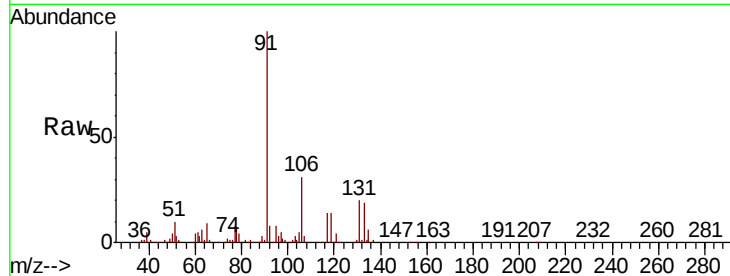




#67
Ethyl Benzene
Concen: 55.044 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

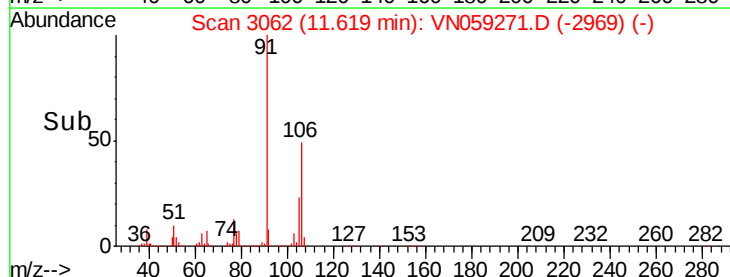
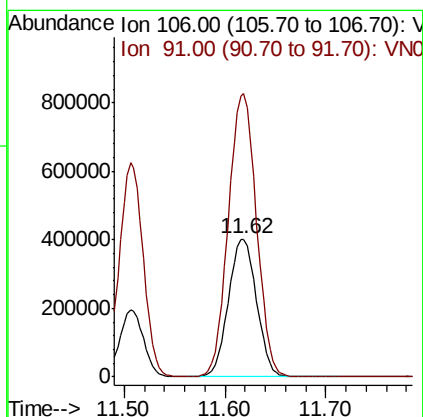
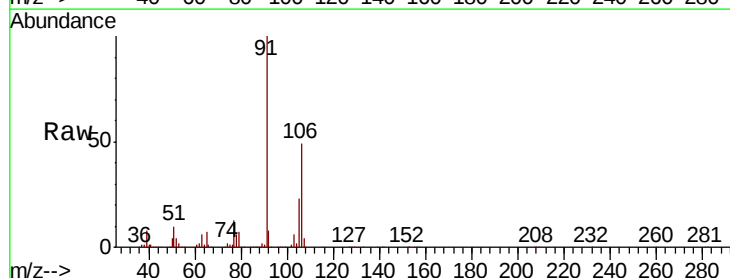
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

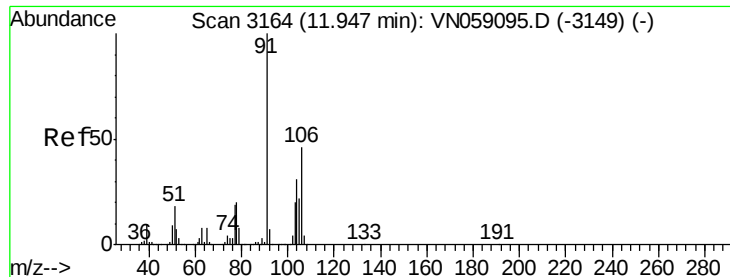
Tot Ion: 91 Resp: 1045934
Ion Ratio Lower Upper
91 100
106 31.3 24.1 36.1



#68
m/p-Xylenes
Concen: 110.099 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 106 Resp: 783672
Ion Ratio Lower Upper
106 100
91 205.0 164.7 247.1

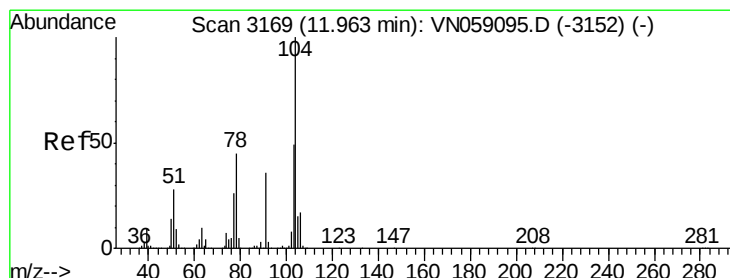
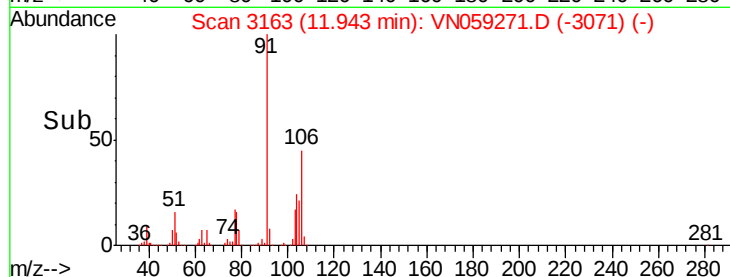
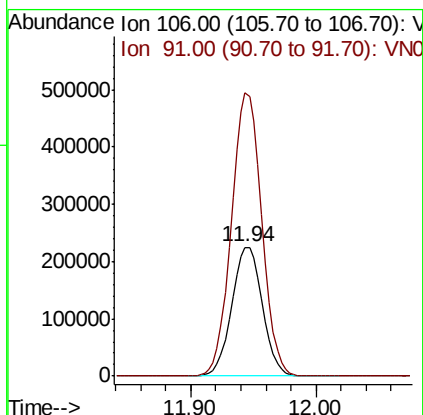
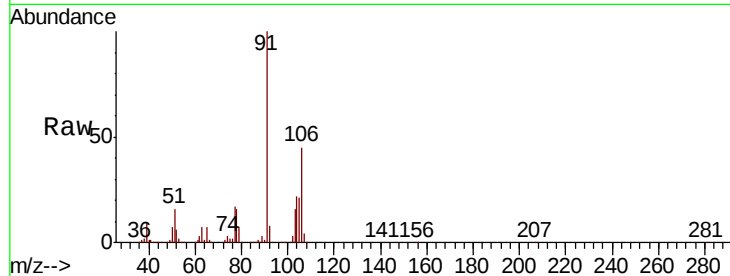




#69
o-Xylene
Concen: 55.297 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

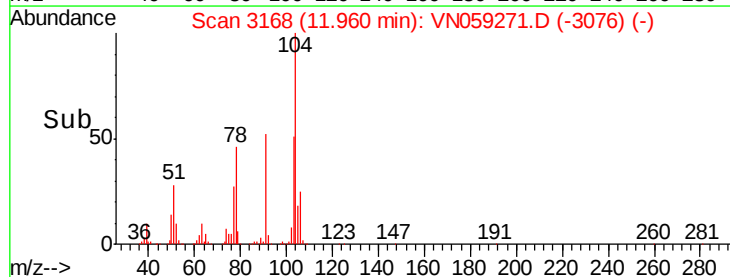
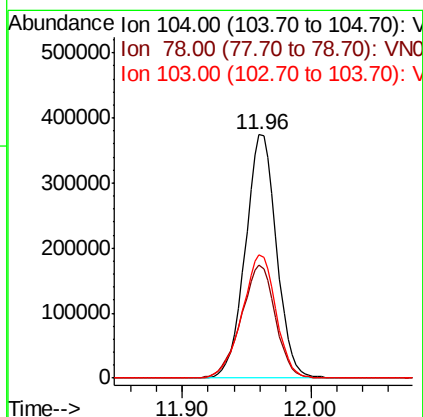
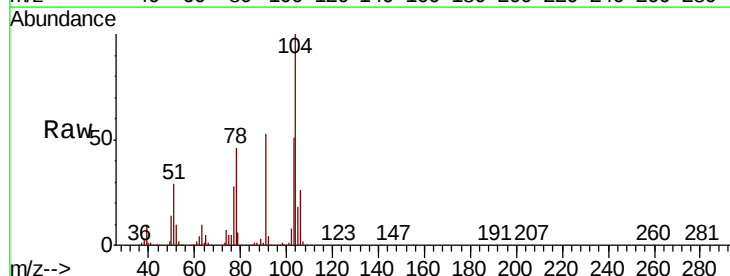
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

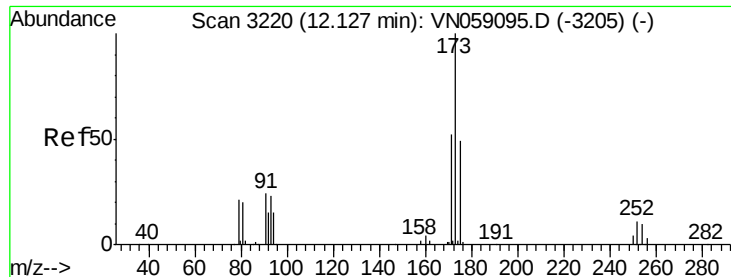
Tot Ion:106 Resp: 380374
Ion Ratio Lower Upper
106 100
91 217.9 110.1 330.3



#70
Styrene
Concen: 58.196 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion:104 Resp: 629591
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 55.1 43.8 65.6





#71

Bromoform

Concen: 56.967 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

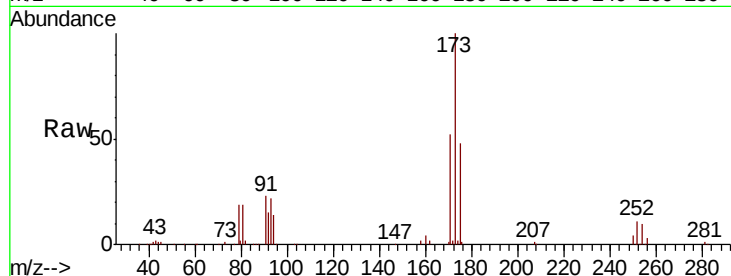
Tot Ion:173 Resp: 178023

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

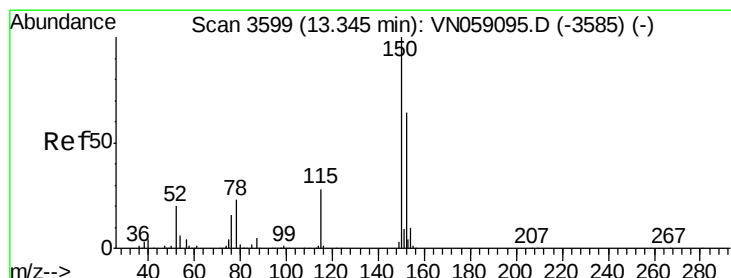
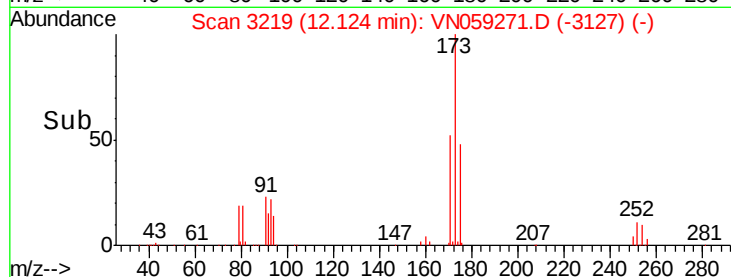
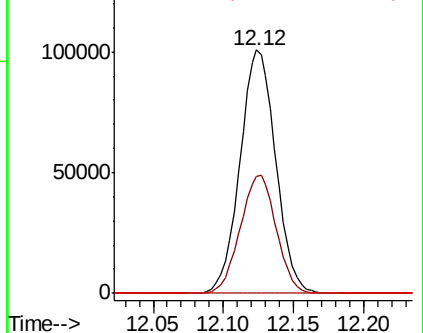
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

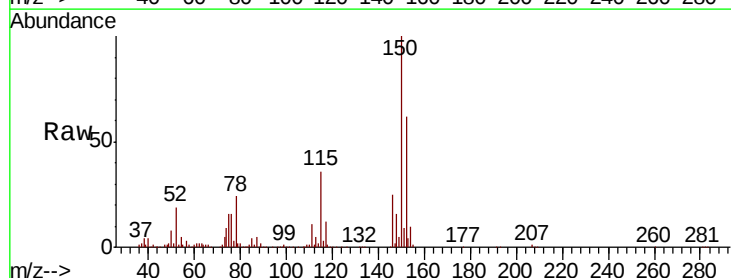
Tgt Ion:152 Resp: 266324

Ion Ratio Lower Upper

152 100

115 58.5 29.4 88.2

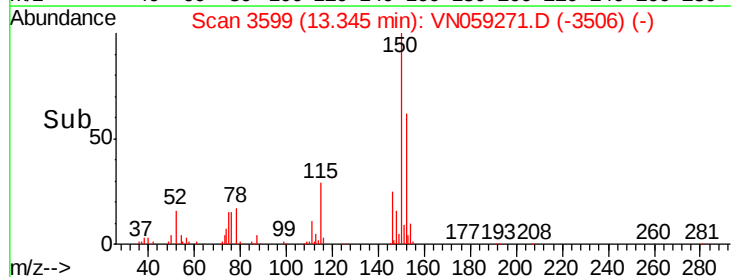
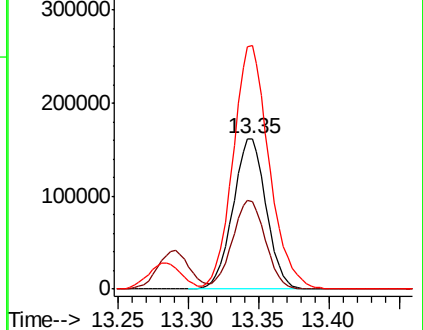
150 176.1 0.0 345.8

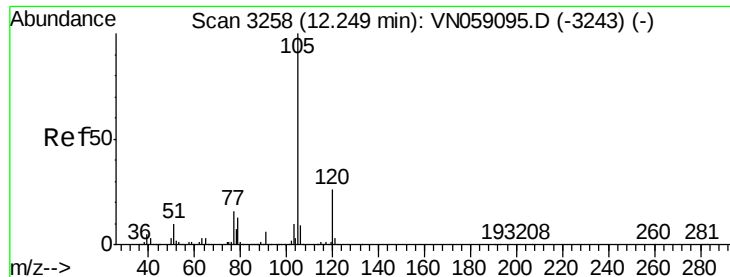


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.839 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

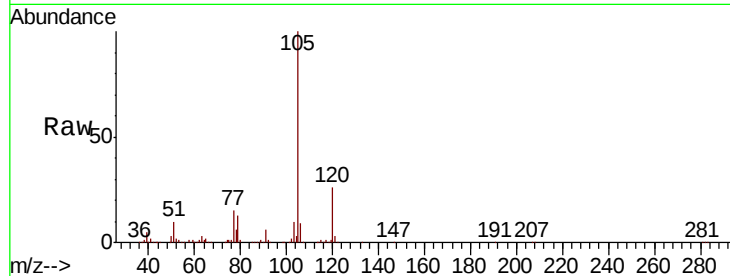
VSTDCCC050EC

Tot Ion:105 Resp: 1023627

Ion Ratio Lower Upper

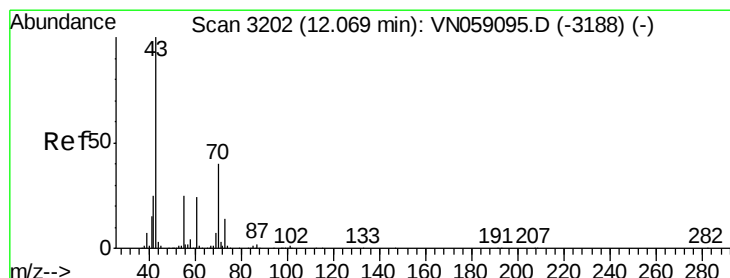
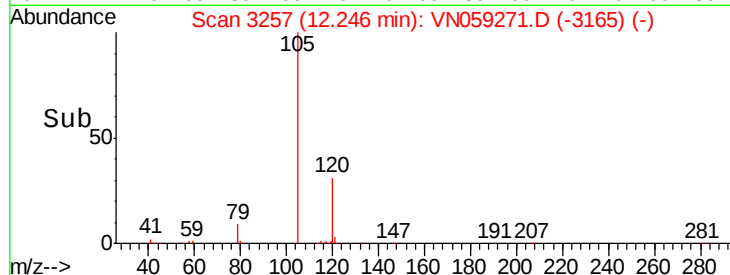
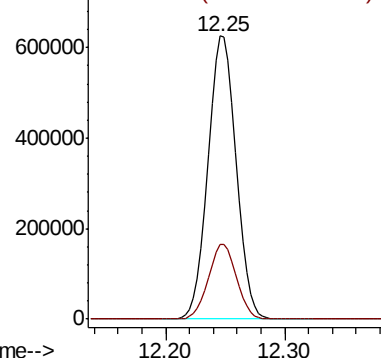
105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.493 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion: 43 Resp: 455533

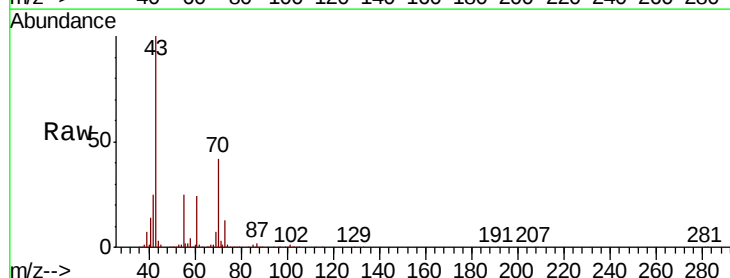
Ion Ratio Lower Upper

43 100

70 42.8 32.2 48.4

55 25.7 20.4 30.6

61 24.8 19.3 28.9

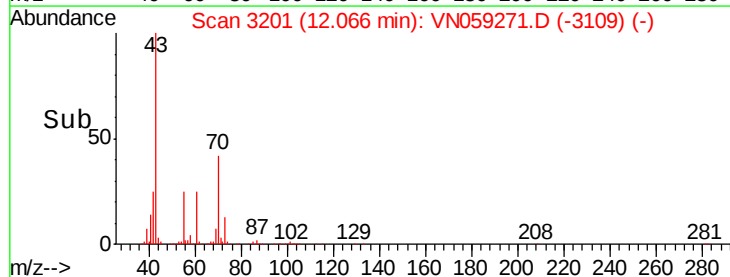
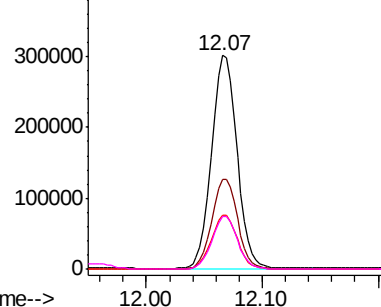


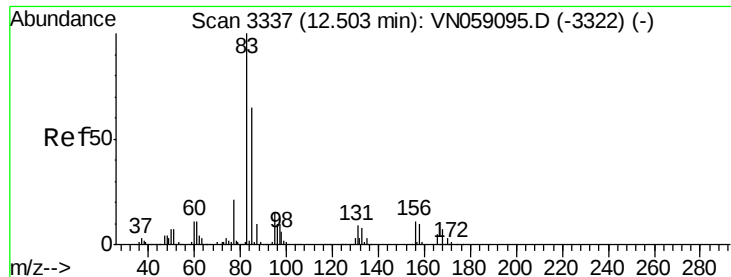
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.332 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

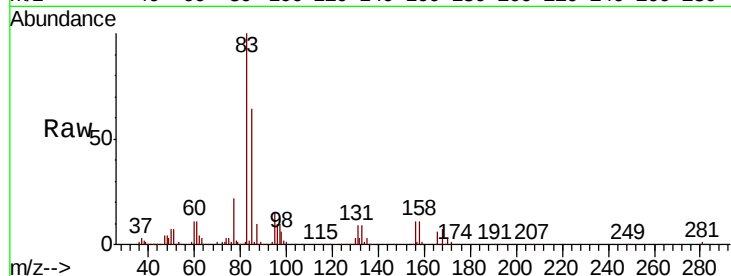
Tot Ion: 83 Resp: 351842

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

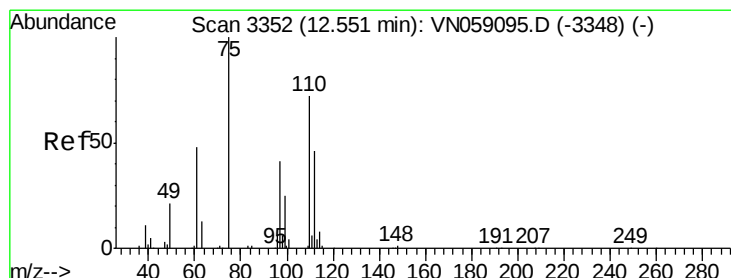
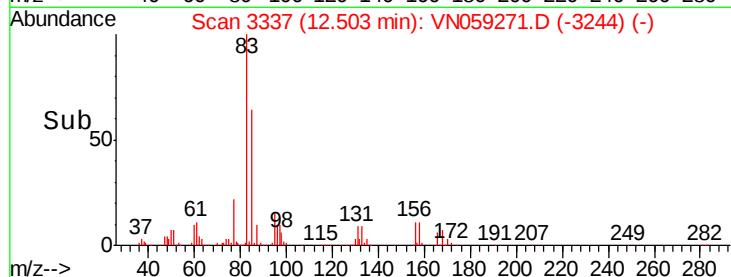
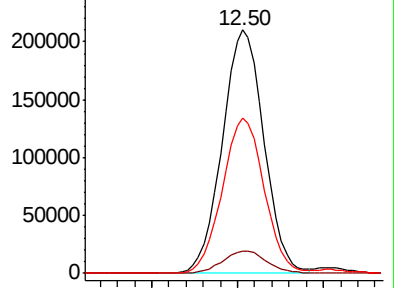
85 64.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059271.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059271.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059271.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 75.885 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059271.D

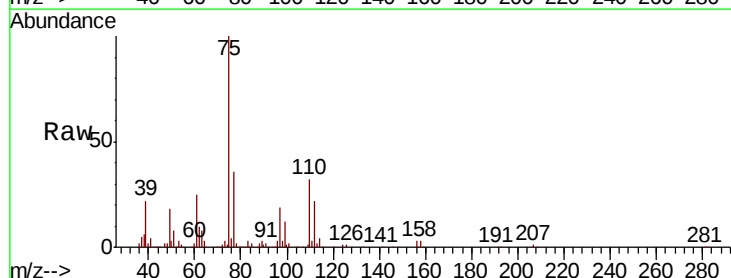
Acq: 15 Nov 2019 17:09

Tgt Ion: 75 Resp: 460114

Ion Ratio Lower Upper

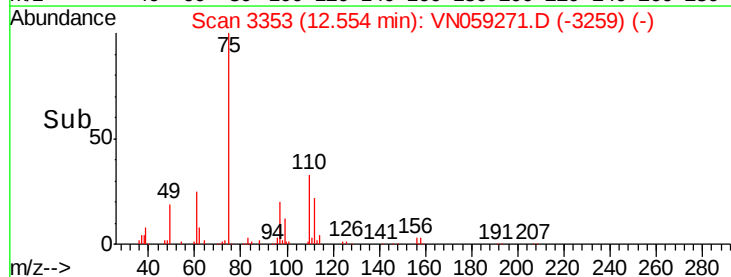
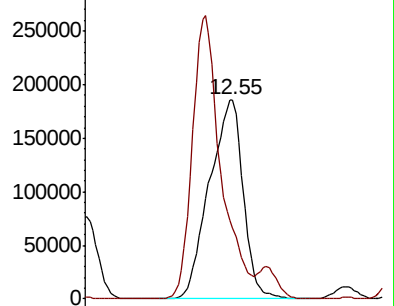
75 100

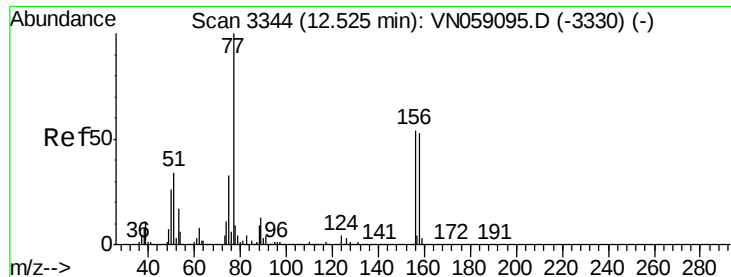
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059271.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059271.D (-3259) (-)





#77

Bromobenzene

Concen: 51.665 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

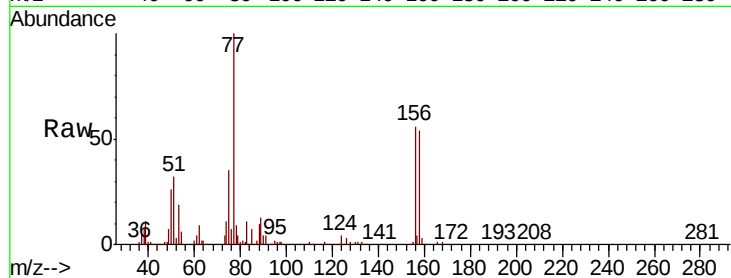
Tot Ion:156 Resp: 251461

Ion Ratio Lower Upper

156 100

77 220.9 112.8 338.3

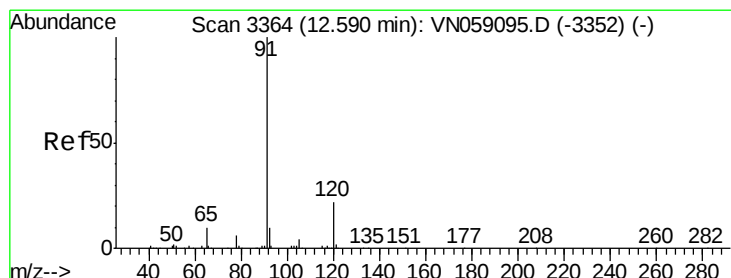
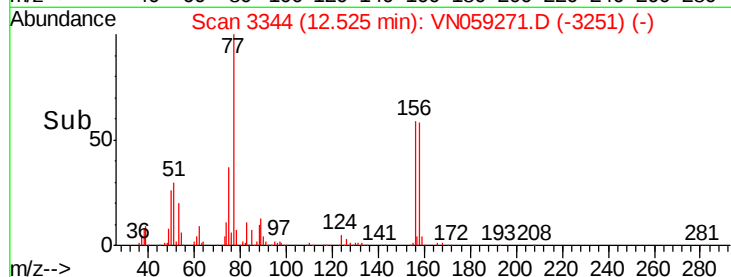
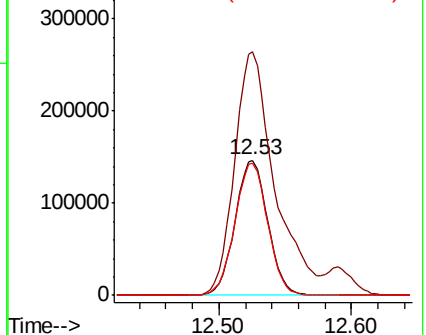
158 97.9 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.188 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059271.D

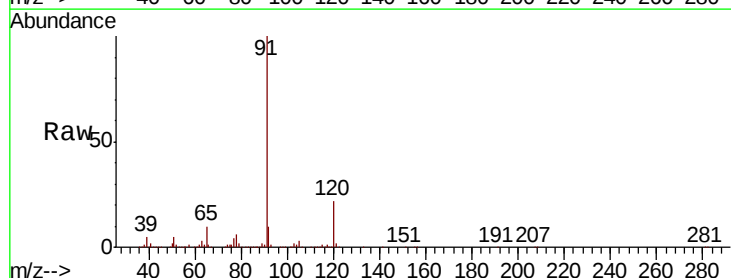
Acq: 15 Nov 2019 17:09

Tgt Ion: 91 Resp: 1201967

Ion Ratio Lower Upper

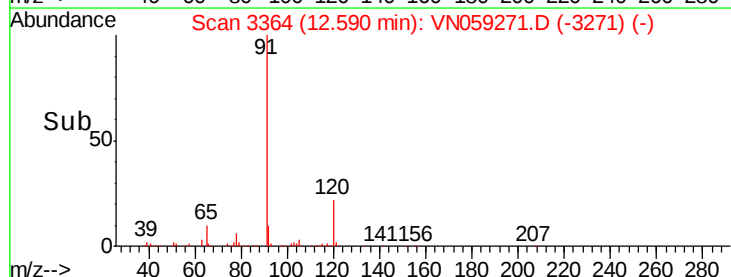
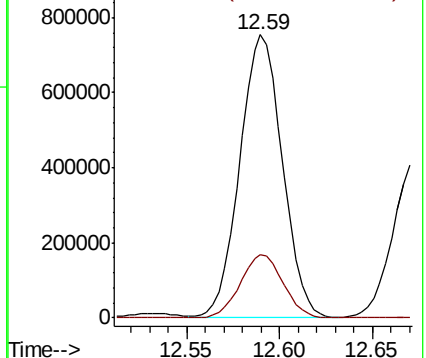
91 100

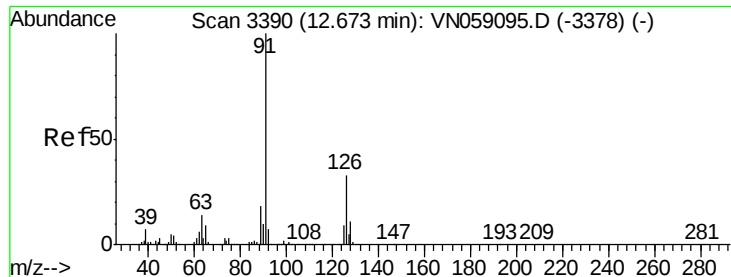
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

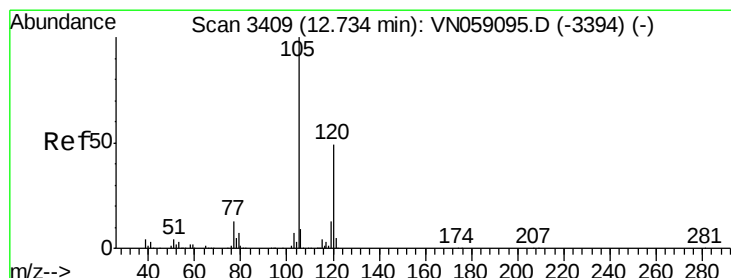
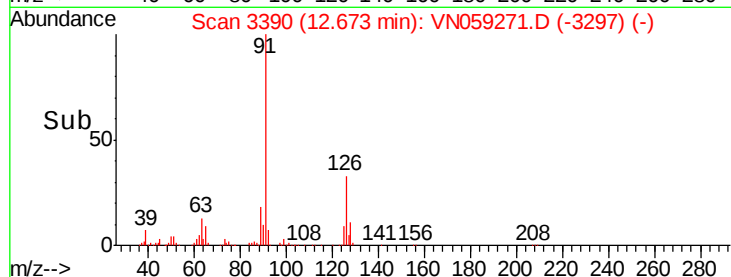
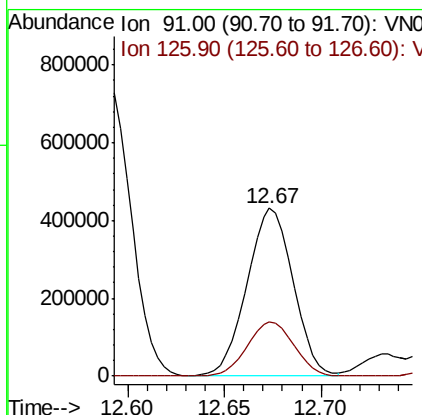
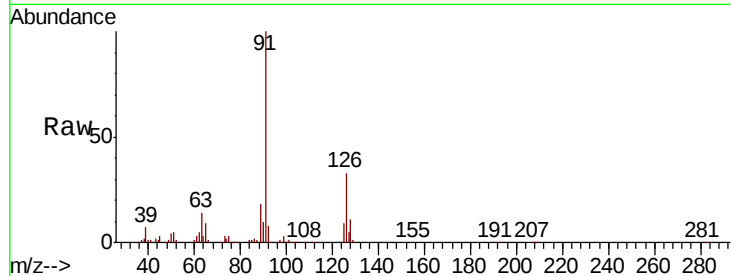




#79
2-Chlorotoluene
Concen: 52.117 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

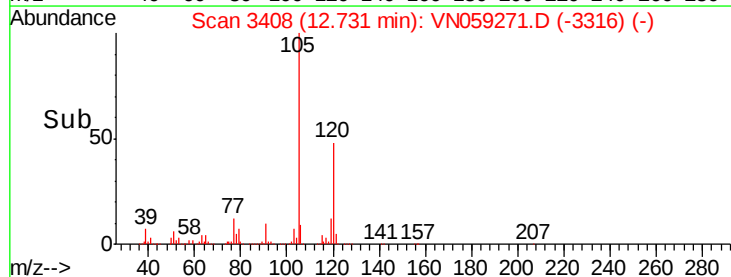
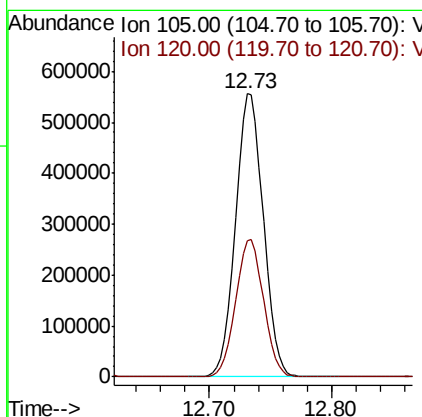
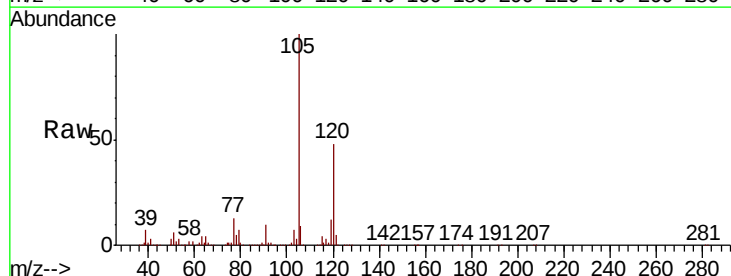
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

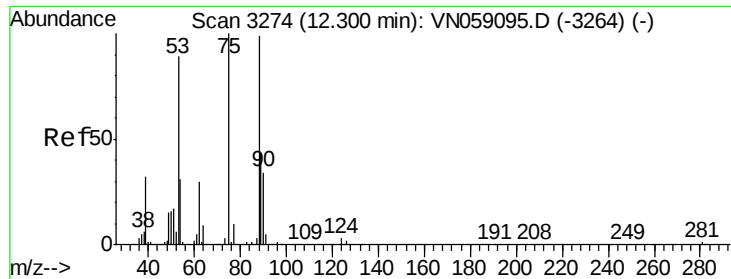
Tot Ion: 91 Resp: 717147
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.1



#80
1,3,5-Trimethylbenzene
Concen: 53.286 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 105 Resp: 874710
Ion Ratio Lower Upper
105 100
120 48.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.537 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

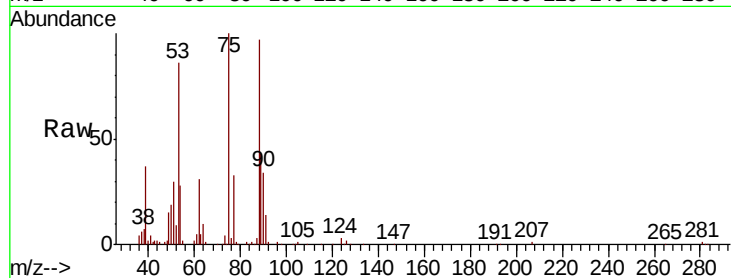
Tot Ion: 75 Resp: 125195

Ion Ratio Lower Upper

75 100

53 85.7 72.2 108.2

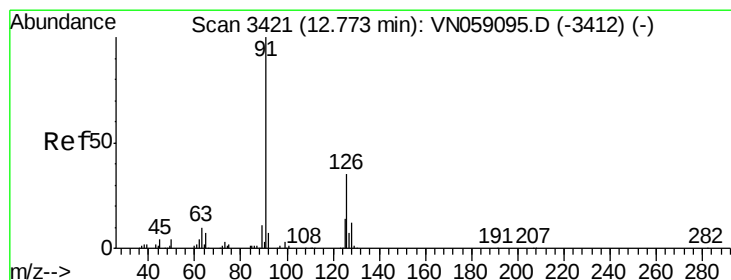
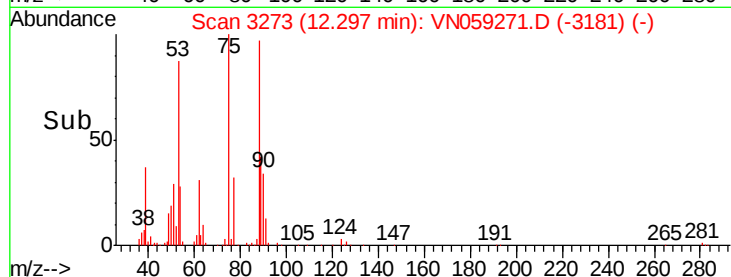
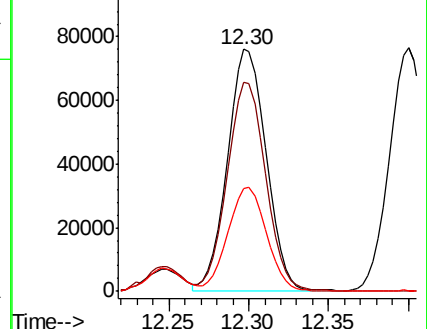
89 43.3 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.590 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059271.D

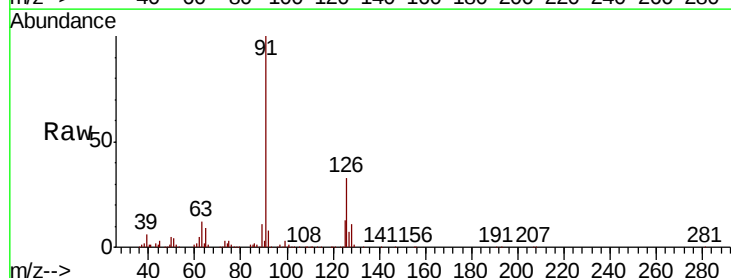
Acq: 15 Nov 2019 17:09

Tgt Ion: 91 Resp: 725804

Ion Ratio Lower Upper

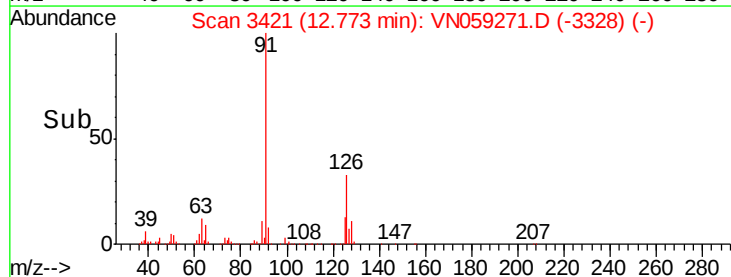
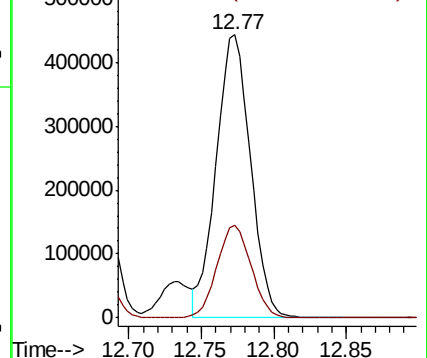
91 100

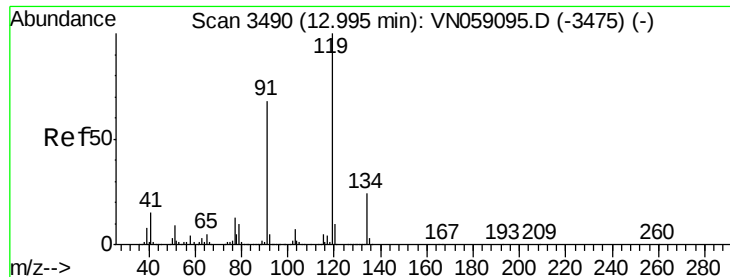
126 32.5 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.552 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

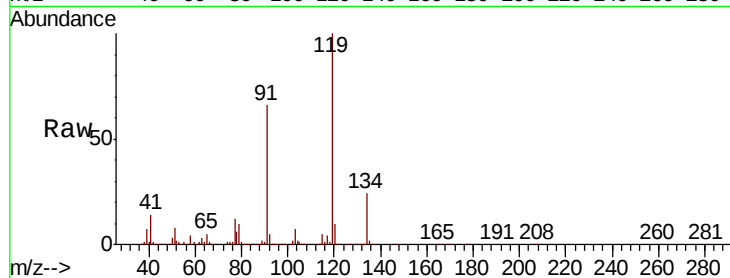
Tot Ion:119 Resp: 744970

Ion Ratio Lower Upper

119 100

91 65.7 33.2 99.6

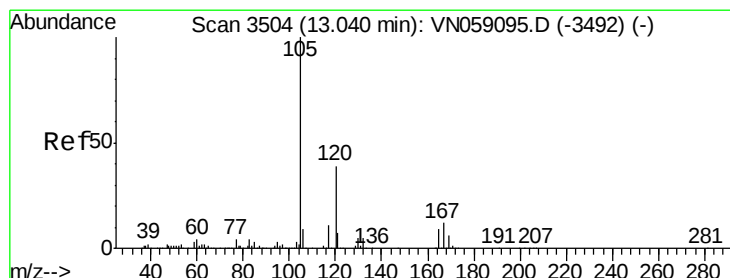
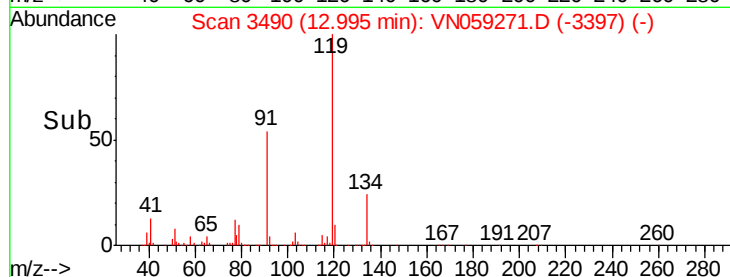
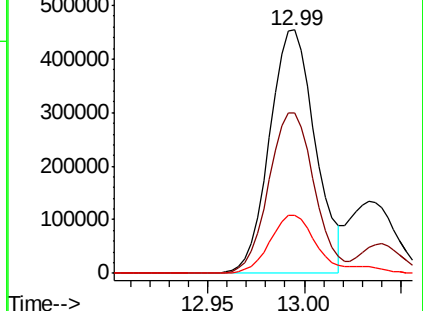
134 24.0 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.642 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059271.D

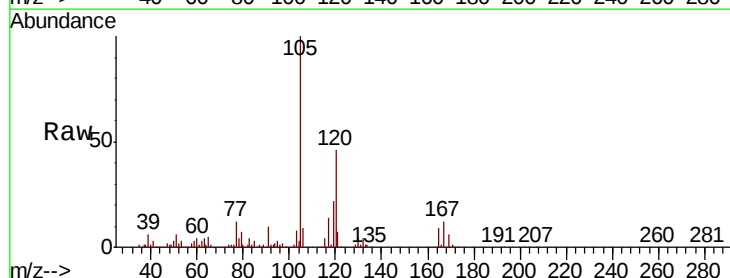
Acq: 15 Nov 2019 17:09

Tgt Ion:105 Resp: 867805

Ion Ratio Lower Upper

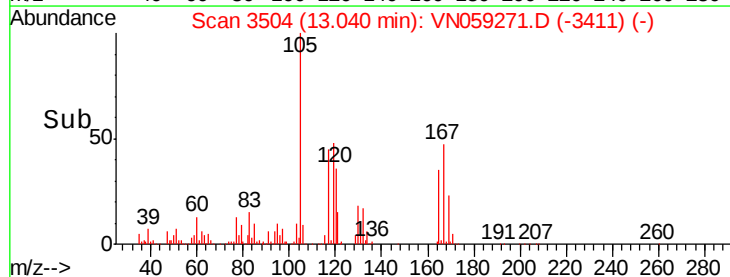
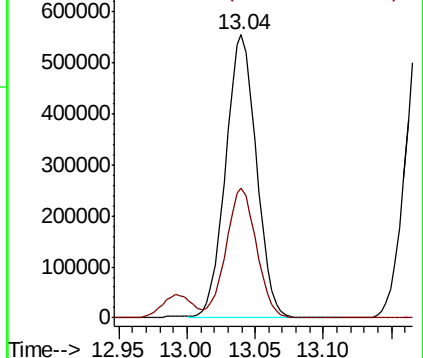
105 100

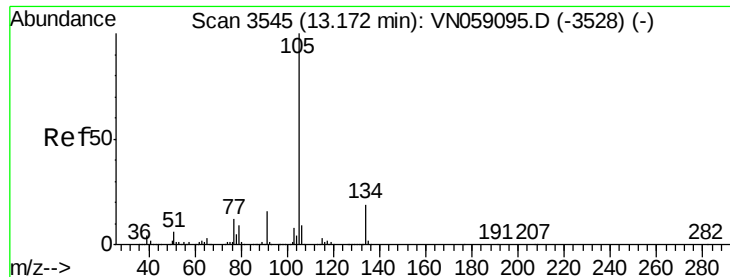
120 45.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

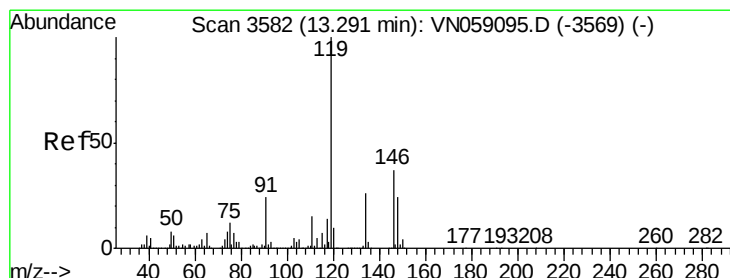
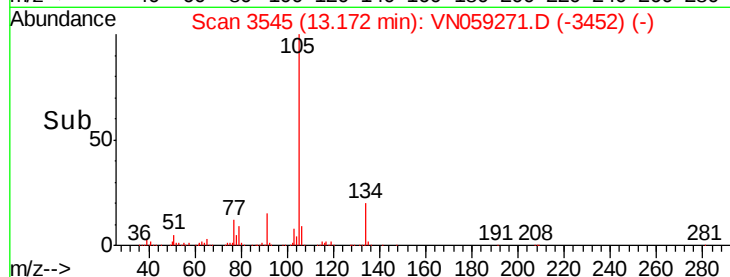
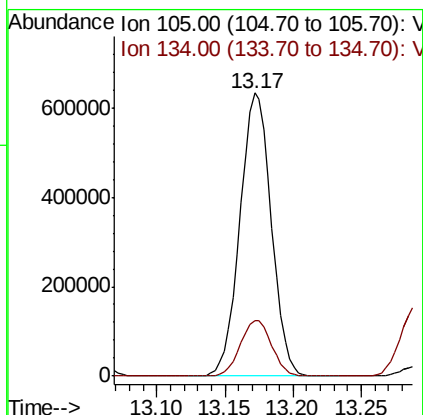
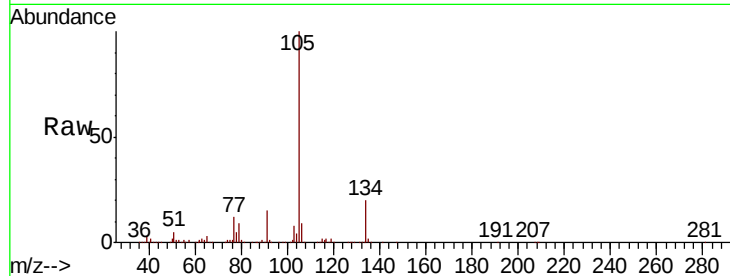




#85
 sec-Butylbenzene
 Concen: 54.535 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

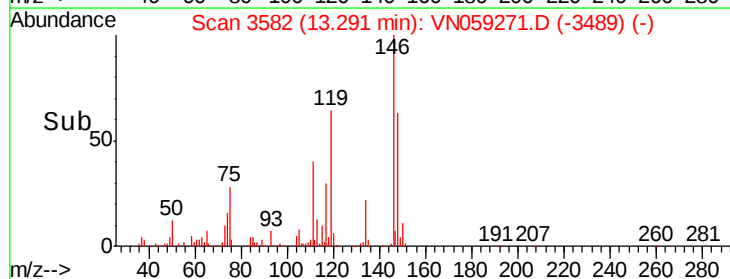
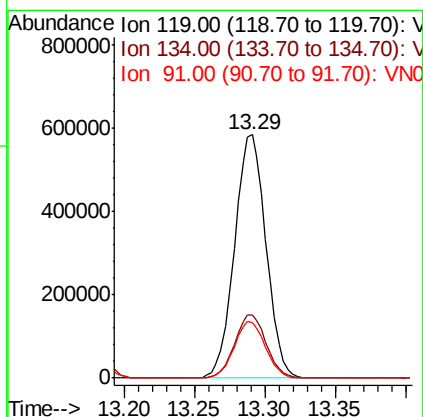
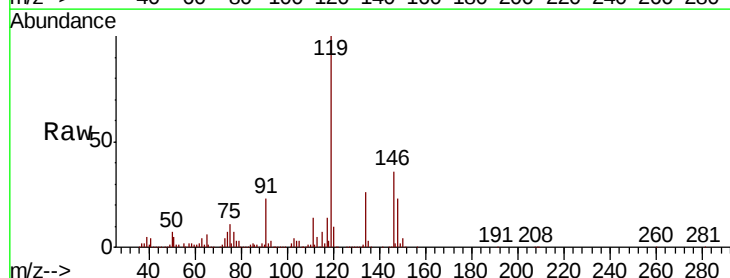
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

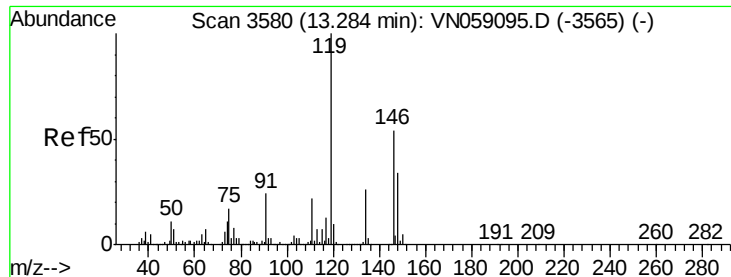
Tot Ion:105 Resp: 1005428
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 55.820 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion:119 Resp: 908690
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 23.0 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 53.642 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

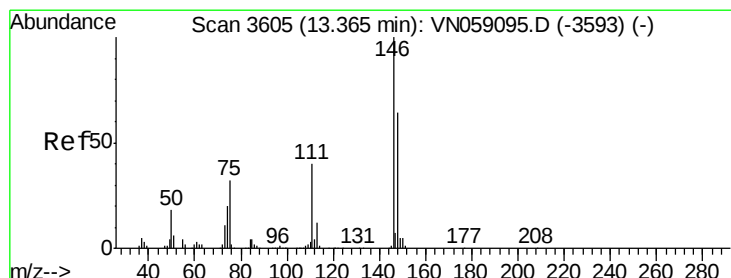
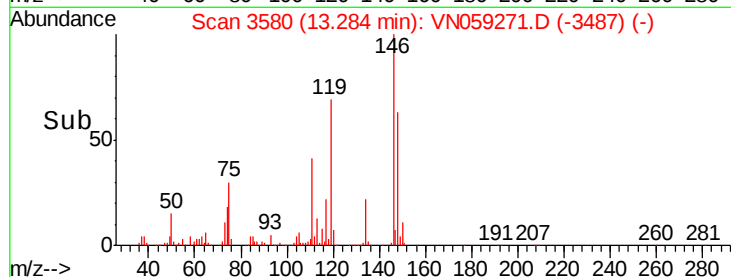
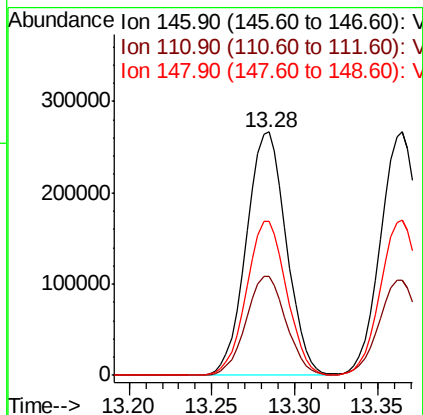
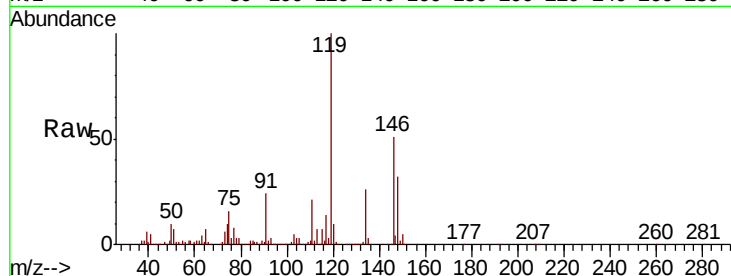
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146	Resp:	447090
Ion Ratio	Lower	Upper
146	100	
111	40.7	20.4 61.3
148	63.5	32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 52.875 ug/l

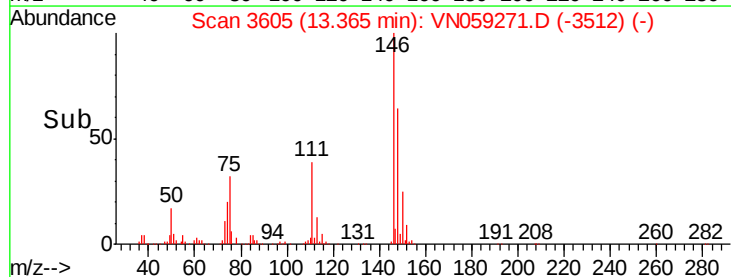
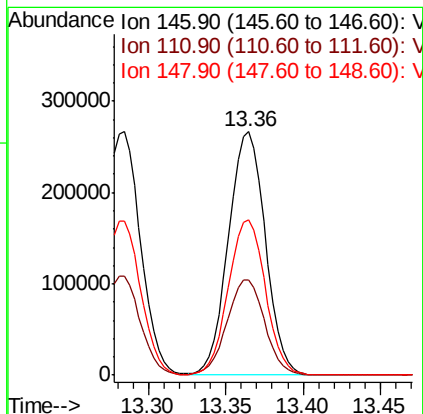
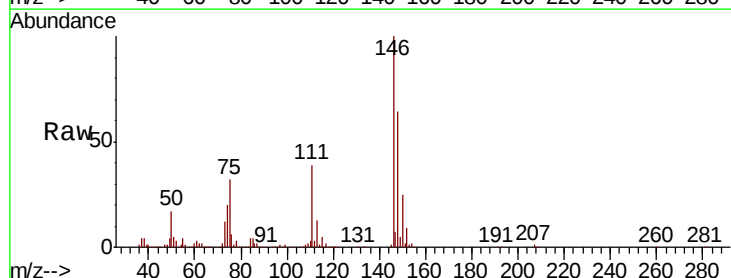
RT: 13.36 min Scan# 3605

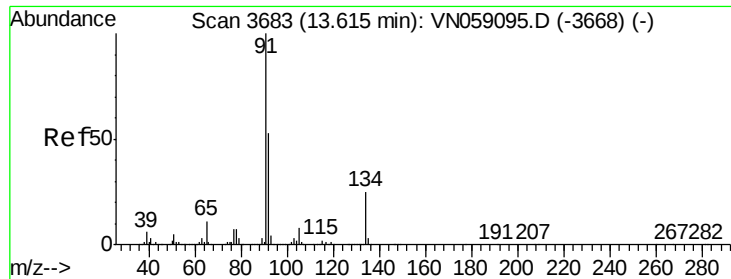
Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:146	Resp:	440926
Ion Ratio	Lower	Upper
146	100	
111	39.8	20.3 60.9
148	64.3	31.9 95.7

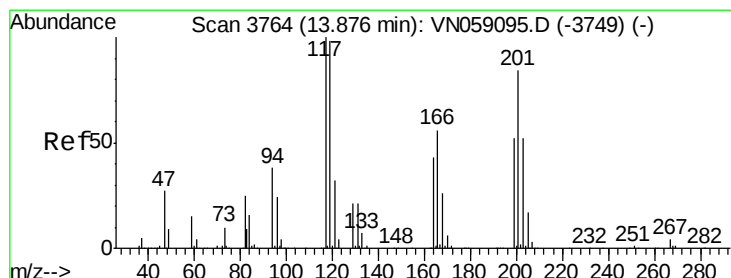
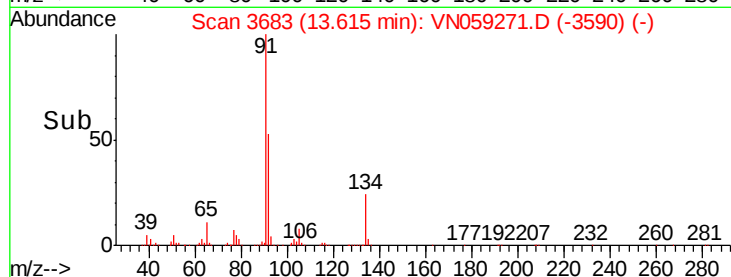
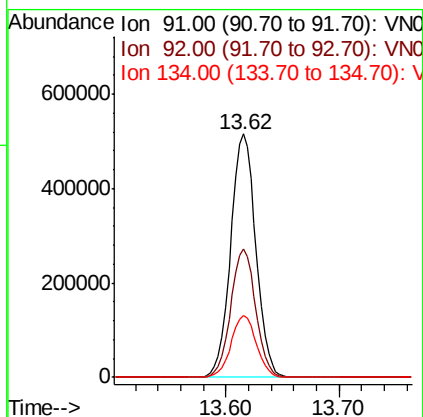
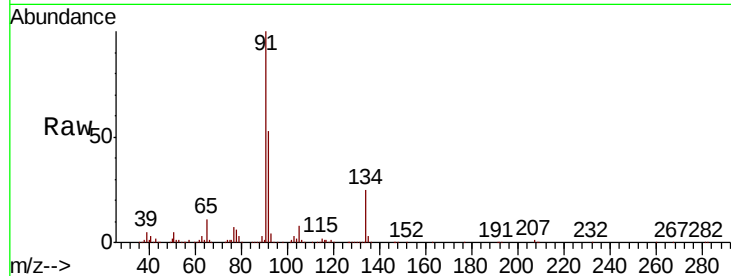




#89
n-Butylbenzene
Concen: 55.942 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

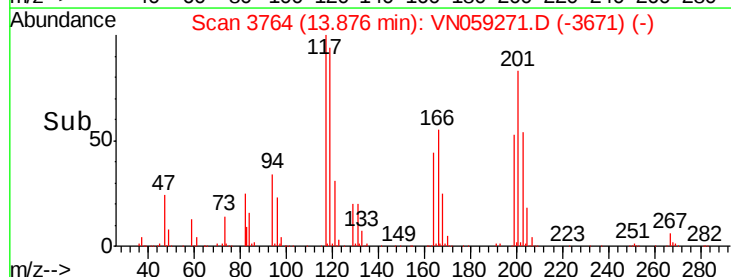
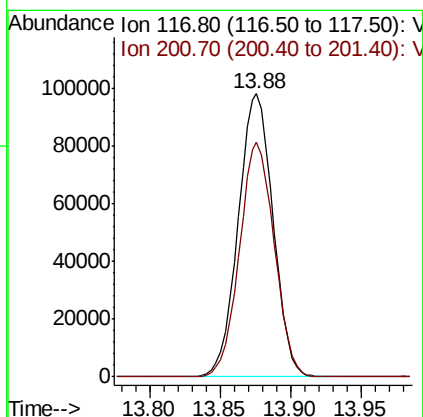
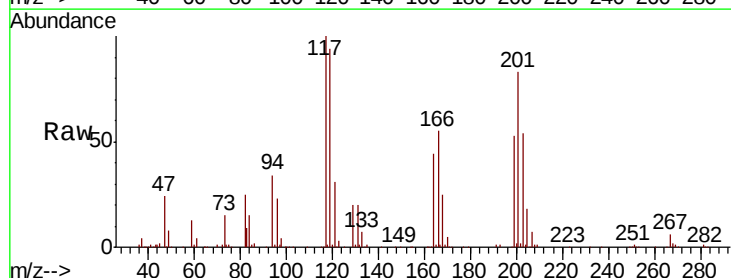
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

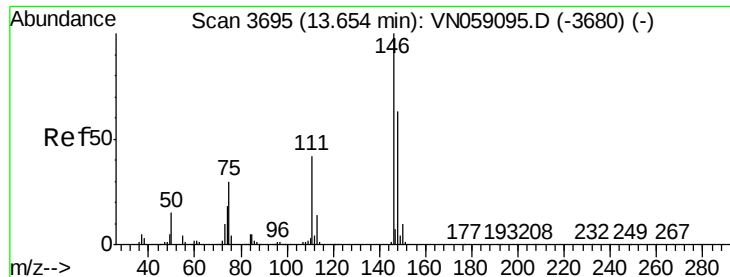
Tot Ion: 91 Resp: 797061
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.3
134 25.5 12.6 37.8



#90
Hexachloroethane
Concen: 52.040 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 117 Resp: 170108
Ion Ratio Lower Upper
117 100
201 82.6 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 53.717 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

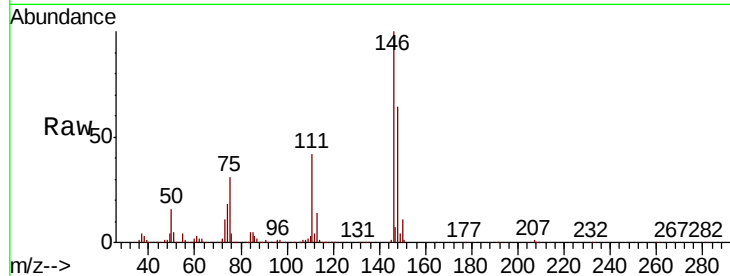
Tot Ion:146 Resp: 440415

Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

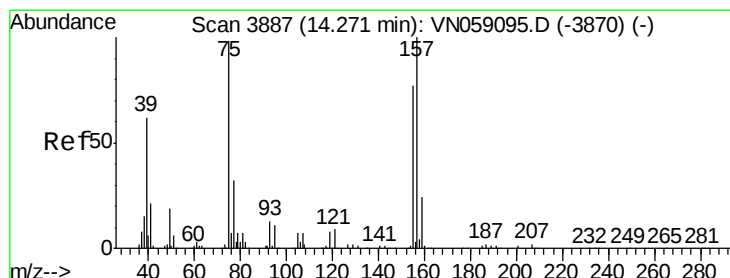
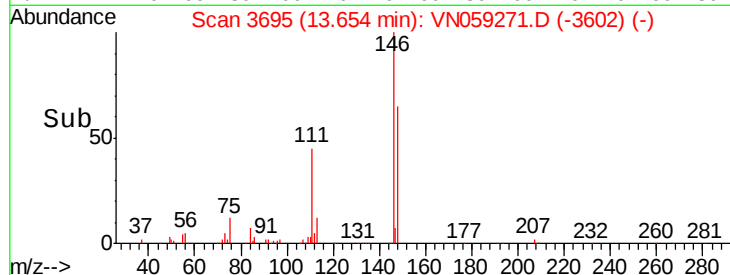
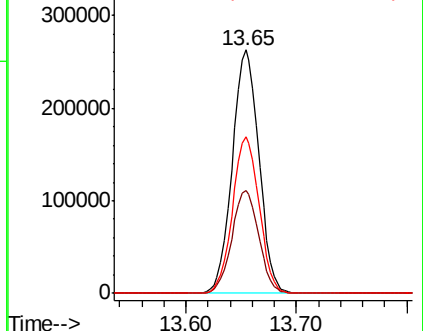
148 64.3 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.117 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

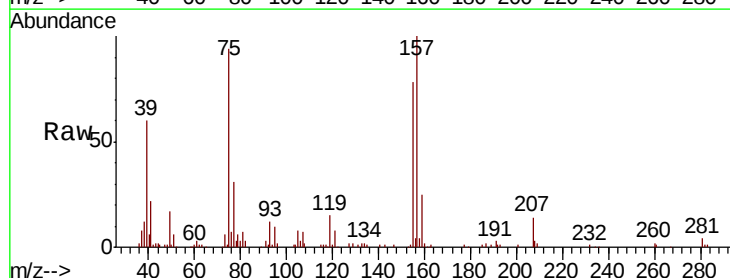
Tgt Ion: 75 Resp: 71232

Ion Ratio Lower Upper

75 100

155 83.5 40.2 120.6

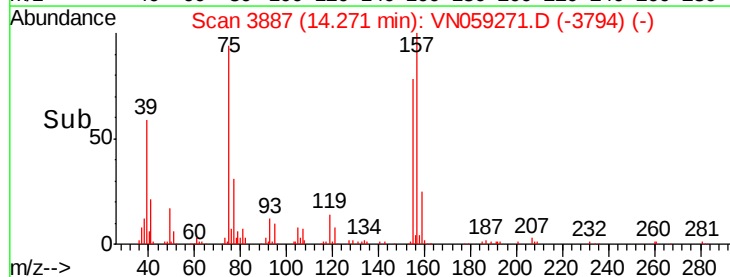
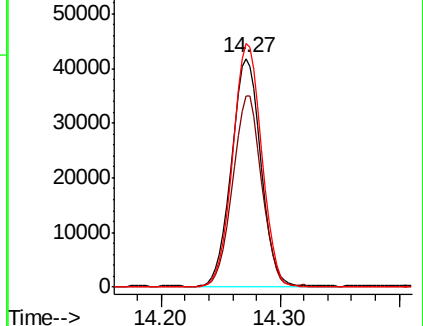
157 105.4 51.8 155.5

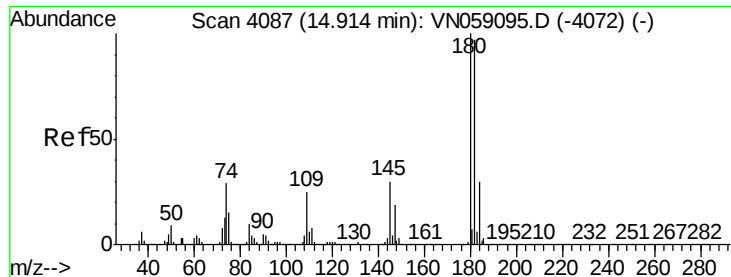


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

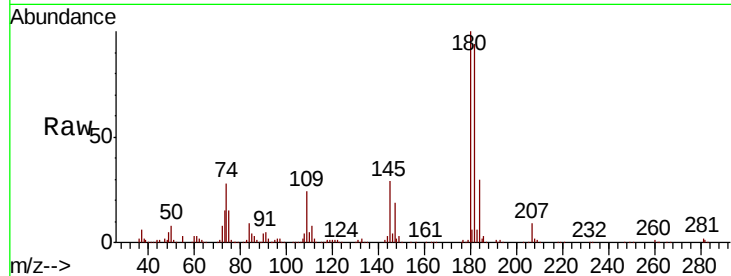




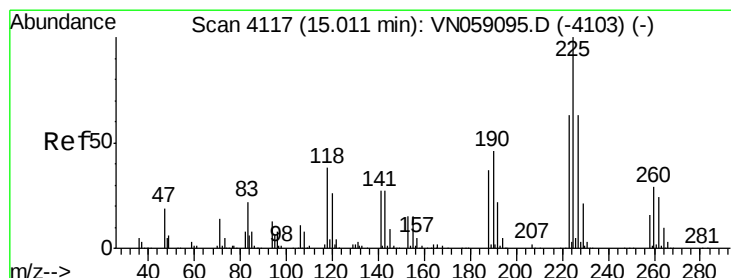
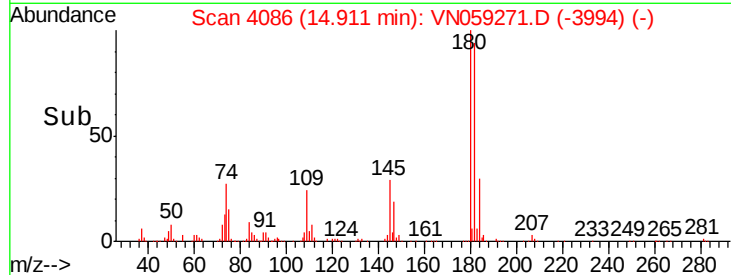
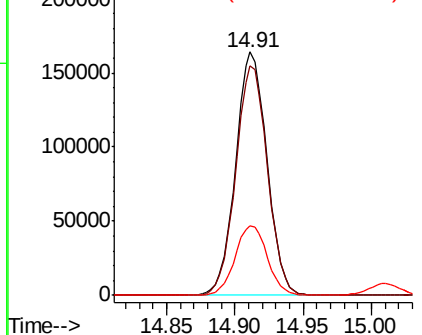
#93
 1,2,4-Trichlorobenzene
 Concen: 52.456 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.3
145	29.6	15.1	45.3

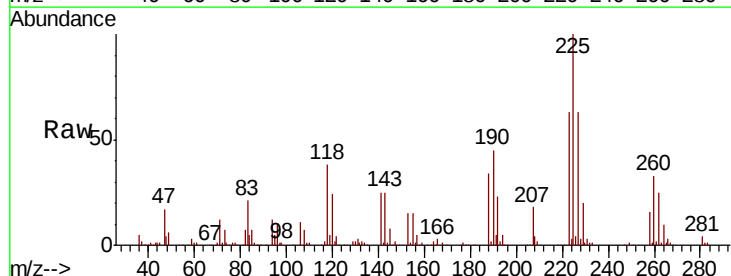


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

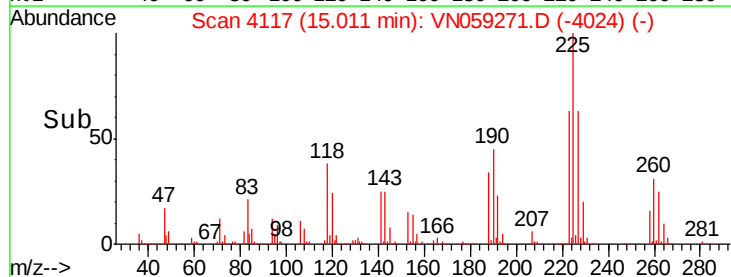
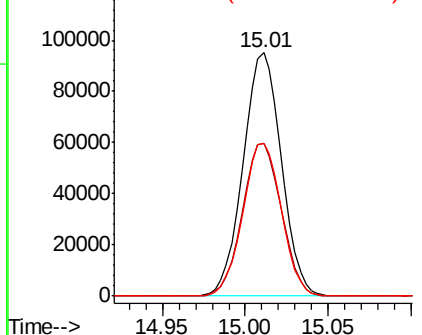


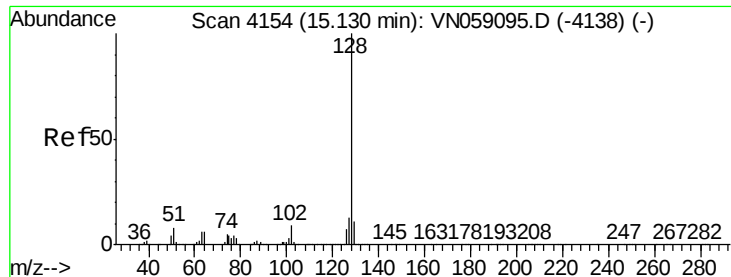
#94
 Hexachlorobutadiene
 Concen: 54.156 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.3	93.9
227	63.2	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 63.545 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

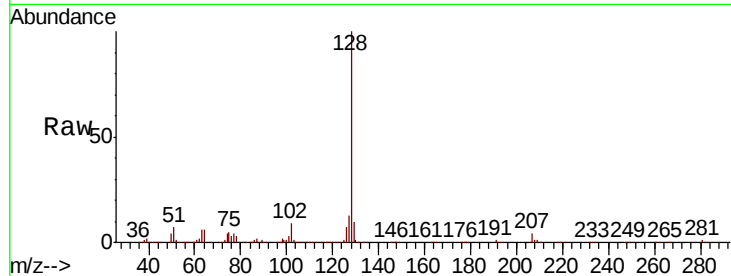
Tot Ion:128 Resp: 889105

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

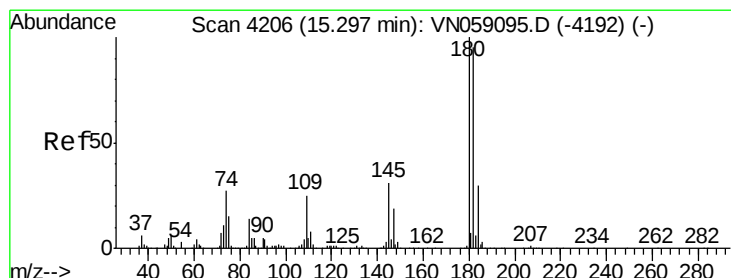
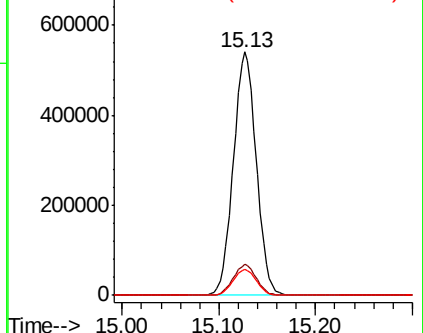
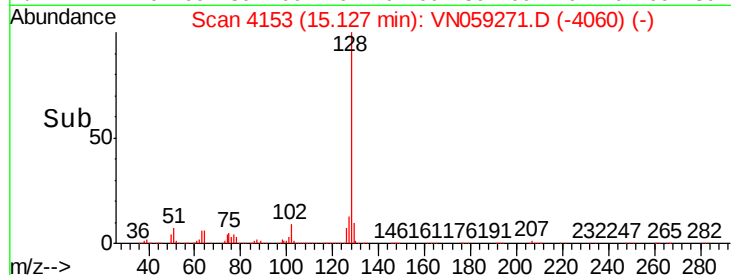
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.057 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

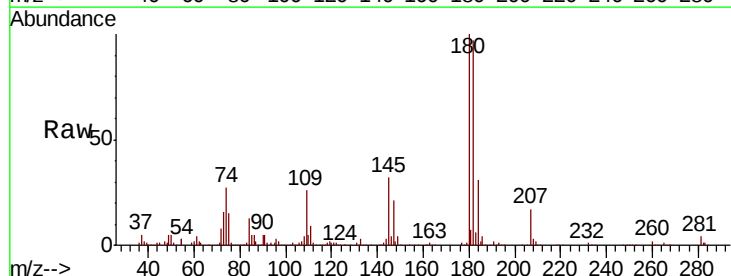
Tgt Ion:180 Resp: 262165

Ion Ratio Lower Upper

180 100

182 96.0 47.3 141.8

145 31.7 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

