

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059071.D
 Acq On : 1 Nov 2019 18:32
 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 04 12:07:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	473435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	739576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	679128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	327576	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	294564	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	7.57	113	227106	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	10.08	98	901693	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	328107	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	249197	48.683	ug/l	98
3) Chloromethane	2.04	50	323412	46.596	ug/l	100
4) Vinyl Chloride	2.17	62	321363	47.699	ug/l	99
5) Bromomethane	2.54	94	180297	45.265	ug/l	100
6) Chloroethane	2.68	64	188050	45.576	ug/l	98
7) Trichlorofluoromethane	2.99	101	389093	48.602	ug/l	100
8) Diethyl Ether	3.39	74	150357	48.093	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	228100	48.339	ug/l	100
10) Methyl Iodide	3.92	142	286196	49.900	ug/l	98
11) Tert butyl alcohol	4.76	59	290538	250.367	ug/l	99
12) 1,1-Dichloroethene	3.71	96	219789	46.835	ug/l	95
13) Acrolein	3.58	56	182643	249.431	ug/l	96
14) Allyl chloride	4.29	41	454105	48.833	ug/l	99
15) Acrylonitrile	4.95	53	732685	251.694	ug/l	100
16) Acetone	3.79	43	699915	220.495	ug/l	99
17) Carbon Disulfide	4.03	76	680260	45.595	ug/l	99
18) Methyl Acetate	4.29	43	369616	45.963	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	787612	49.276	ug/l	99
20) Methylene Chloride	4.52	84	260512	46.880	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	245223	48.674	ug/l	99
22) Diisopropyl ether	5.92	45	894828	50.520	ug/l	97
23) Vinyl Acetate	5.86	43	3754544	266.138	ug/l	99
24) 1,1-Dichloroethane	5.82	63	488795	48.268	ug/l	99
25) 2-Butanone	6.81	43	1049228	248.237	ug/l	100
26) 2,2-Dichloropropane	6.80	77	401703	45.702	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	277019	48.833	ug/l	100
28) Bromochloromethane	7.17	49	146838	46.983	ug/l	98
29) Tetrahydrofuran	7.18	42	680981	255.288	ug/l	100
30) Chloroform	7.35	83	464221	47.939	ug/l	100
31) Cyclohexane	7.63	56	457152	47.329	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	399924	48.814	ug/l	99
36) 1,1-Dichloropropene	7.77	75	361012	49.114	ug/l	99
37) Ethyl Acetate	6.90	43	410496	50.262	ug/l	100
38) Carbon Tetrachloride	7.75	117	353088	49.289	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059071.D
 Acq On : 1 Nov 2019 18:32
 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 04 12:07:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	430720	50.696	ug/l	100
40) Benzene	8.02	78	1076254	49.337	ug/l	100
41) Methacrylonitrile	7.18	41	592787	167.854	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	372672	49.192	ug/l	99
43) Isopropyl Acetate	8.14	43	646743	50.638	ug/l	100
44) Trichloroethene	8.82	130	259738	48.394	ug/l	100
45) 1,2-Dichloropropane	9.10	63	292948	49.656	ug/l	99
46) Dibromomethane	9.19	93	179579	49.251	ug/l	99
47) Bromodichloromethane	9.39	83	366320	49.608	ug/l	99
48) Methyl methacrylate	9.18	41	294081	50.499	ug/l	100
49) 1,4-Dioxane	9.19	88	105417	1109.718	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	2027939	273.328	ug/l	99
52) Toluene	10.15	92	655861	51.312	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	420983	49.303	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	457300	50.775	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	254629	48.904	ug/l	99
56) Ethyl methacrylate	10.42	69	419107	47.542	ug/l	100
57) 1,3-Dichloropropane	10.70	76	452567	49.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	854224	249.321	ug/l	99
59) 2-Hexanone	10.75	43	1532796	271.940	ug/l	99
60) Dibromochloromethane	10.90	129	280069	49.912	ug/l	100
61) 1,2-Dibromoethane	11.00	107	266566	50.536	ug/l	99
64) Tetrachloroethene	10.63	164	231233	48.742	ug/l	99
65) Chlorobenzene	11.43	112	677025	48.572	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	252164	49.173	ug/l	100
67) Ethyl Benzene	11.51	91	1253201	51.938	ug/l	99
68) m/p-Xylenes	11.62	106	930822	103.310	ug/l	100
69) o-Xylene	11.95	106	441592	51.326	ug/l	99
70) Styrene	11.96	104	742721	53.271	ug/l	100
71) Bromoform	12.13	173	202332	50.974	ug/l	99
73) Isopropylbenzene	12.25	105	1206112	50.048	ug/l	100
74) N-amyl acetate	12.07	43	550946	51.394	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	396489	46.187	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	533921	68.877	ug/l #	100
77) Bromobenzene	12.53	156	287617	47.732	ug/l	99
78) n-propylbenzene	12.59	91	1419818	50.869	ug/l	100
79) 2-Chlorotoluene	12.68	91	838518	48.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1032129	50.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	146406	48.416	ug/l	100
82) 4-Chlorotoluene	12.78	91	866199	48.972	ug/l	100
83) tert-Butylbenzene	13.00	119	878211	50.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1027548	51.632	ug/l	100
85) sec-Butylbenzene	13.17	105	1170303	51.322	ug/l	99
86) p-Isopropyltoluene	13.29	119	1055618	51.348	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	516848	48.276	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	506991	47.873	ug/l	100
89) n-Butylbenzene	13.62	91	928142	51.813	ug/l	99
90) Hexachloroethane	13.88	117	193447	47.337	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	510338	47.906	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83545	45.056	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
Data File : VN059071.D
Acq On : 1 Nov 2019 18:32
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 04 12:07:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

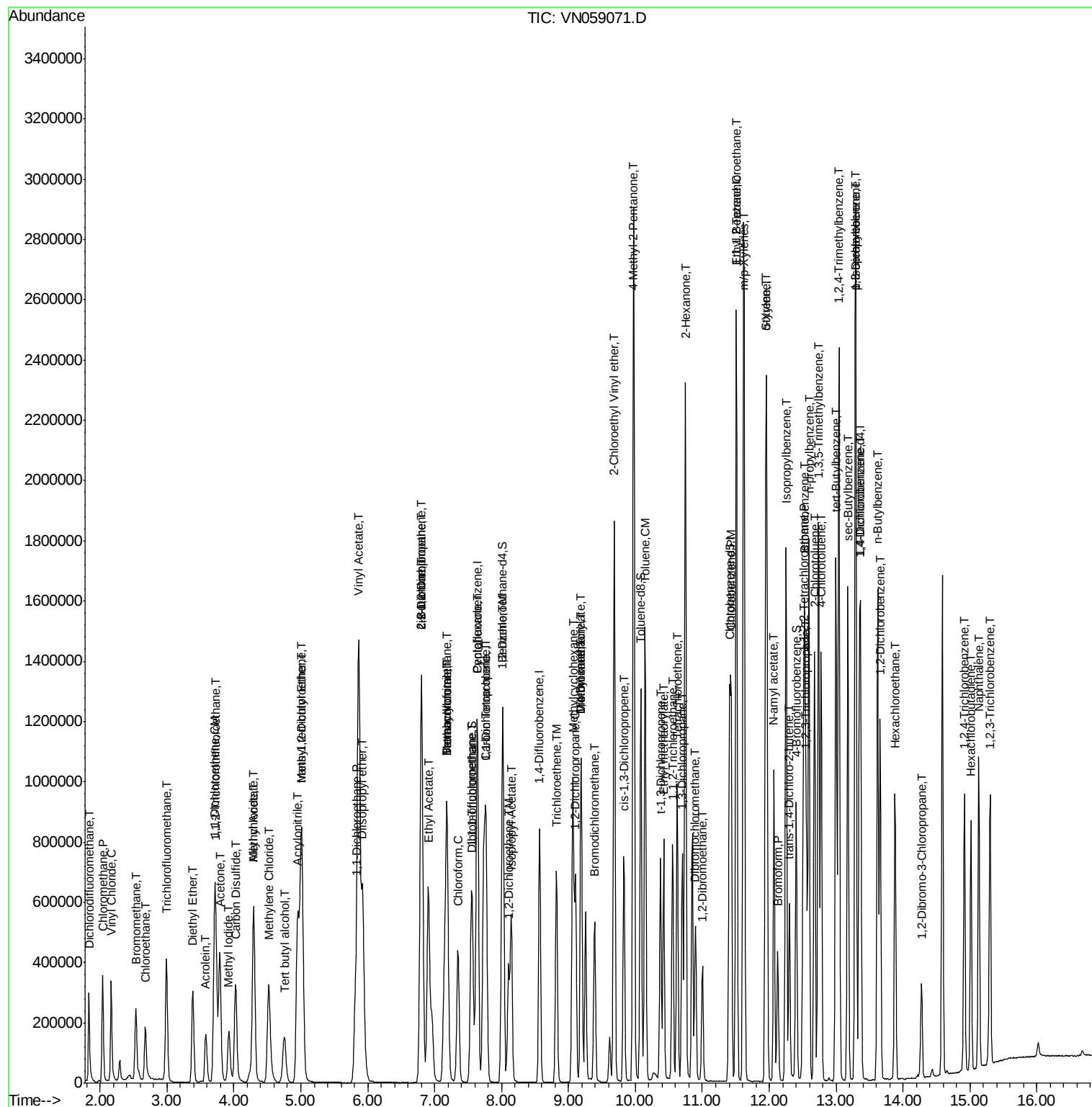
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	295037	51.349	ug/l	100
94) Hexachlorobutadiene	15.01	225	162361	47.082	ug/l	99
95) Naphthalene	15.13	128	822980	46.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	289269	49.467	ug/l	99

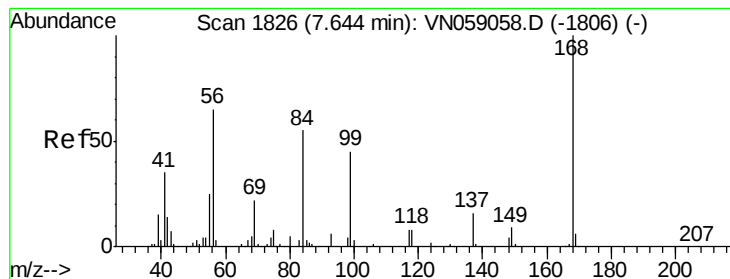
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
Data File : VN059071.D
Acq On : 1 Nov 2019 18:32
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 04 12:07:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

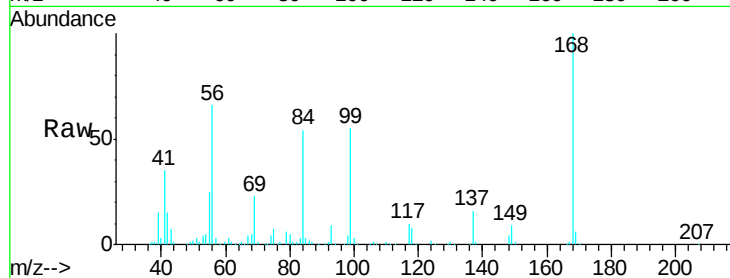
VSTDCCC050EC

Tgt Ion:168 Resp: 473435

Ion Ratio Lower Upper

168 100

99 55.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

100000

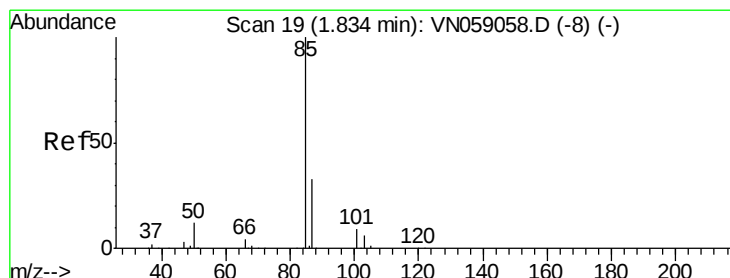
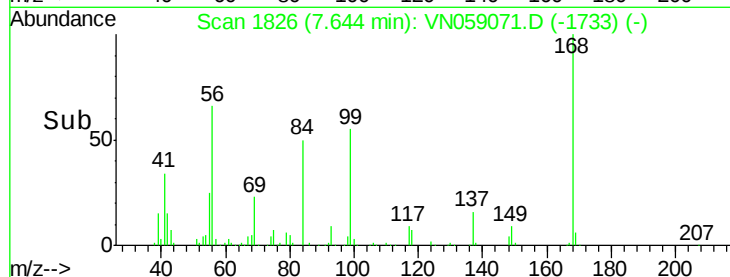
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.683 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059071.D

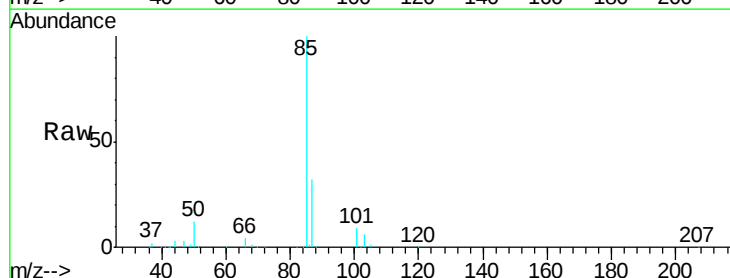
Acq: 1 Nov 2019 18:32

Tgt Ion: 85 Resp: 249197

Ion Ratio Lower Upper

85 100

87 31.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

100000

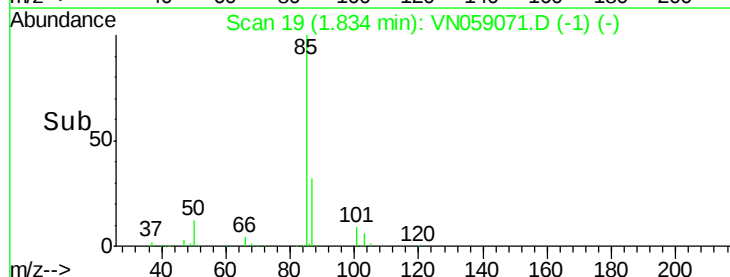
50000

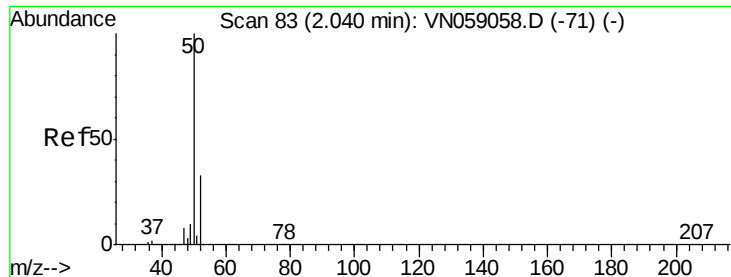
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 46.596 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

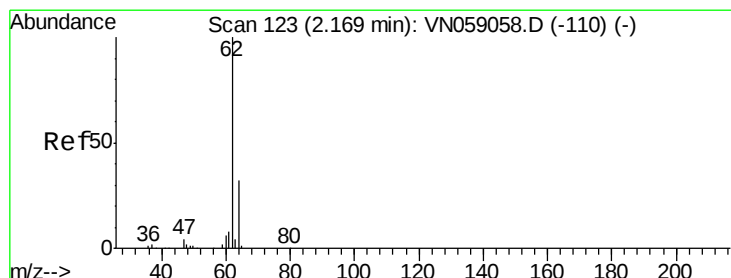
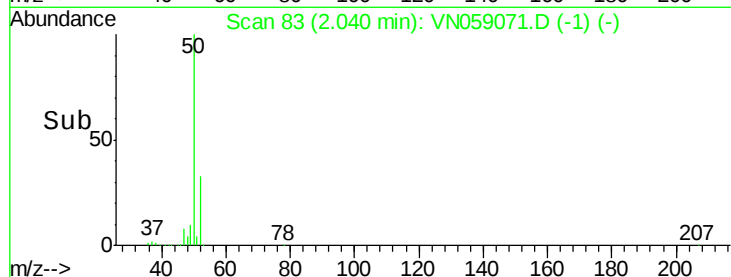
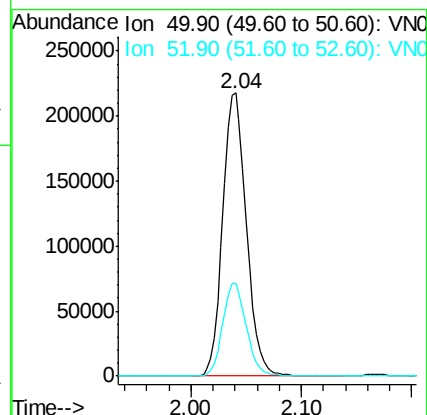
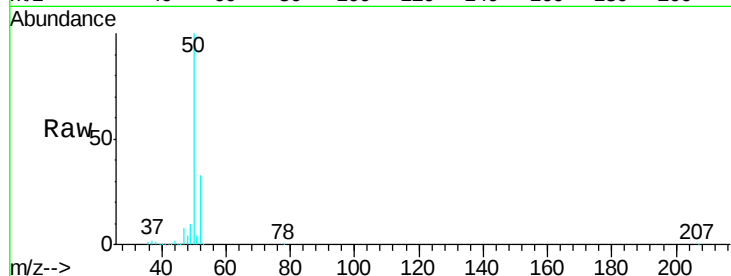
VSTDCCC050EC

Tgt Ion: 50 Resp: 323412

Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



#4

Vinyl Chloride

Concen: 47.699 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059071.D

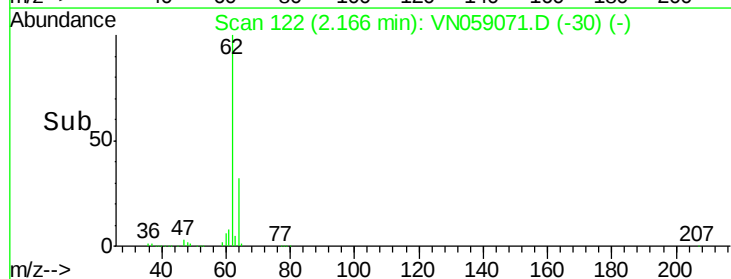
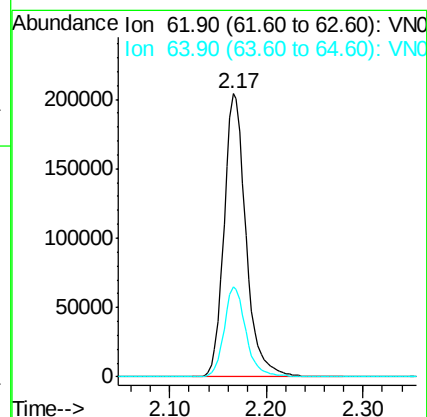
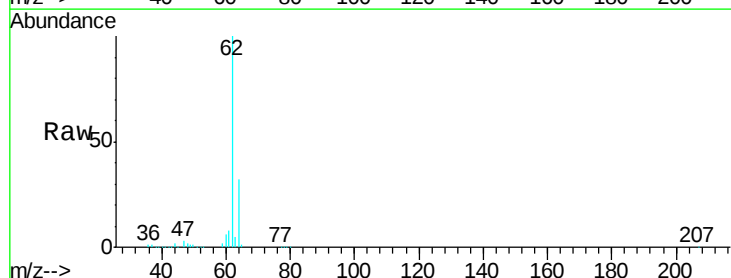
Acq: 1 Nov 2019 18:32

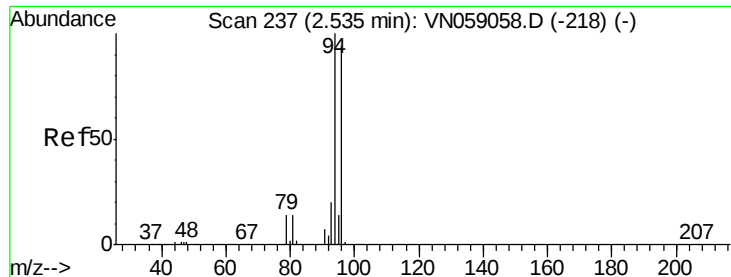
Tgt Ion: 62 Resp: 321363

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 45.265 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

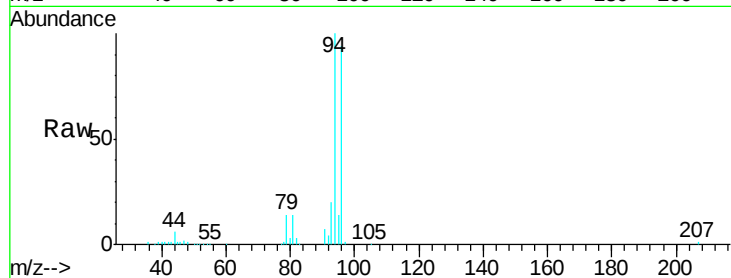
VSTDCCC050EC

Tgt Ion: 94 Resp: 180297

Ion Ratio Lower Upper

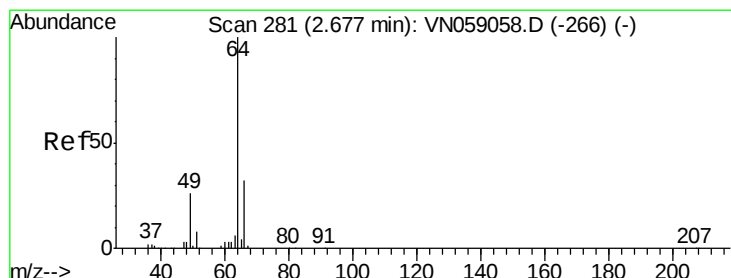
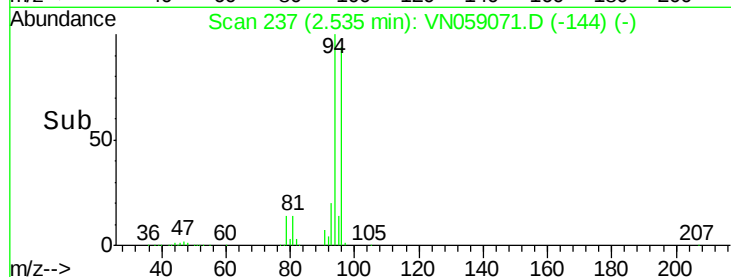
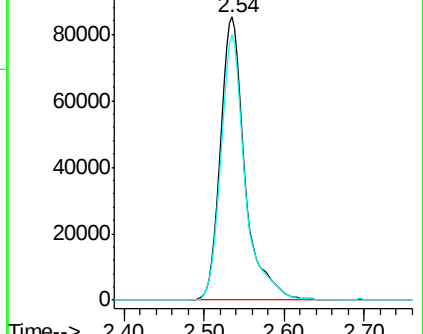
94 100

96 93.5 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN059058.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059058.D (-218) (-)



#6

Chloroethane

Concen: 45.576 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059071.D

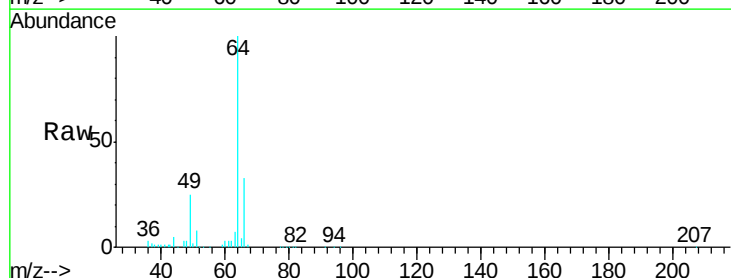
Acq: 1 Nov 2019 18:32

Tgt Ion: 64 Resp: 188050

Ion Ratio Lower Upper

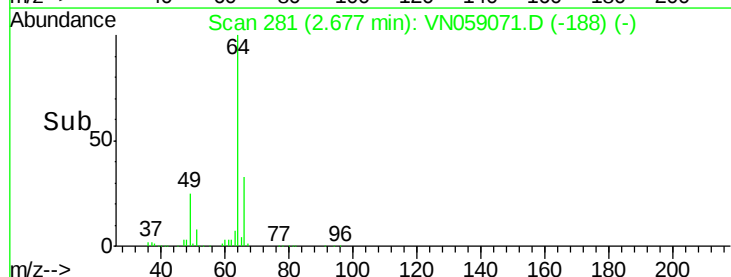
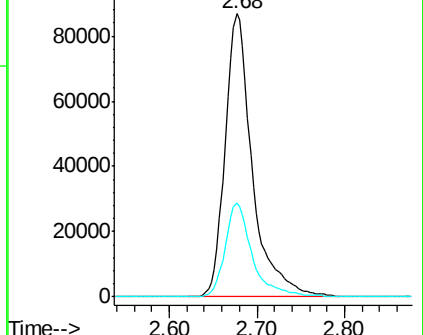
64 100

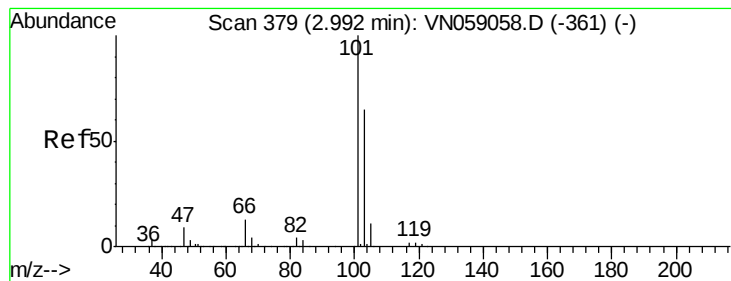
66 33.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN059058.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059058.D (-266) (-)



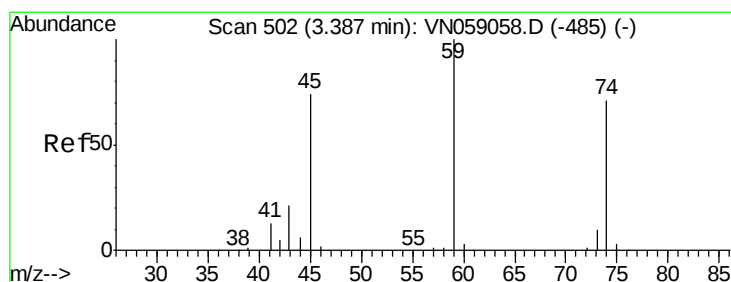
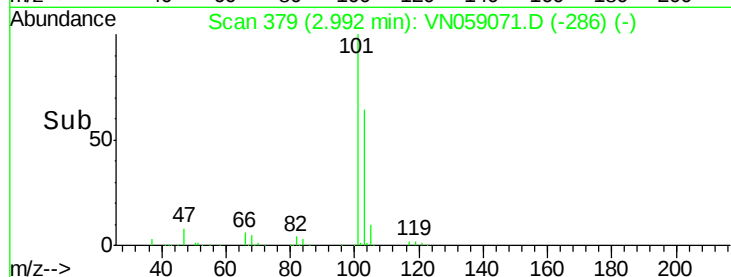
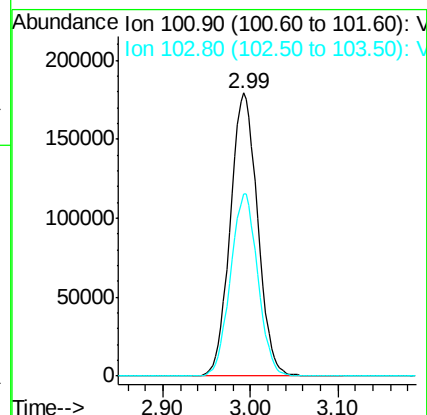
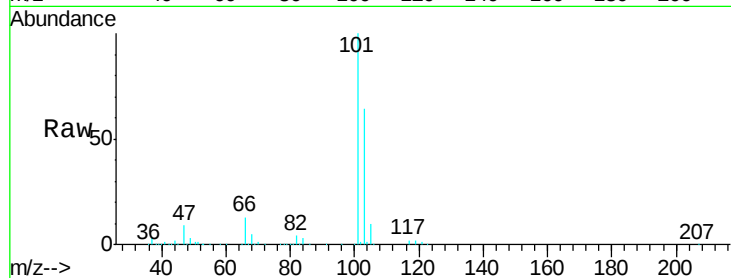


#7

Trichlorofluoromethane
 Concen: 48.602 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

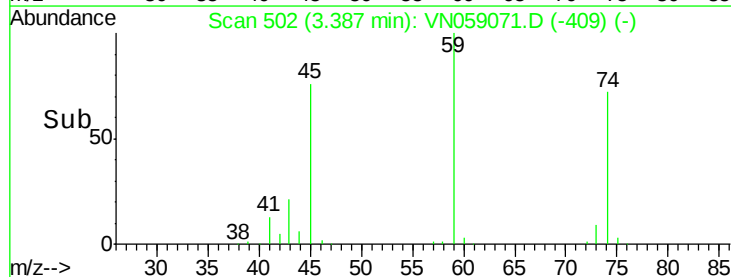
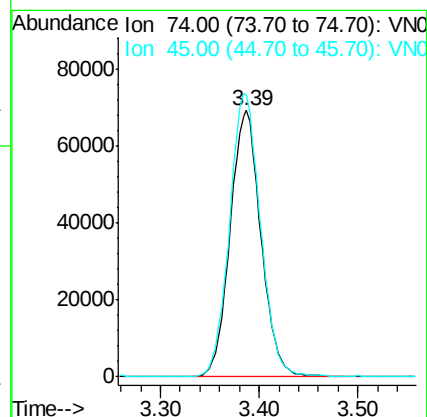
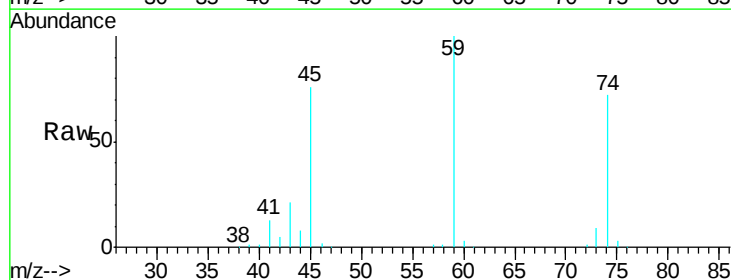
Tgt Ion: 101 Resp: 389093
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.7 77.5

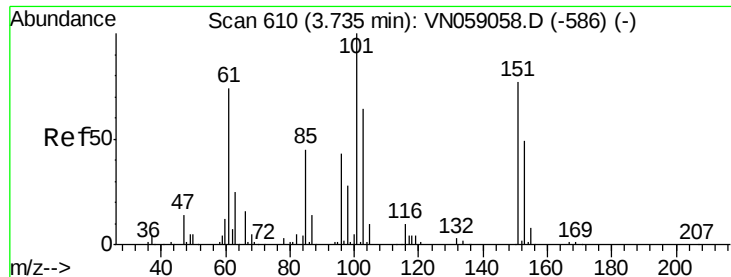


#8

Diethyl Ether
 Concen: 48.093 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Tgt Ion: 74 Resp: 150357
 Ion Ratio Lower Upper
 74 100
 45 107.1 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.339 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

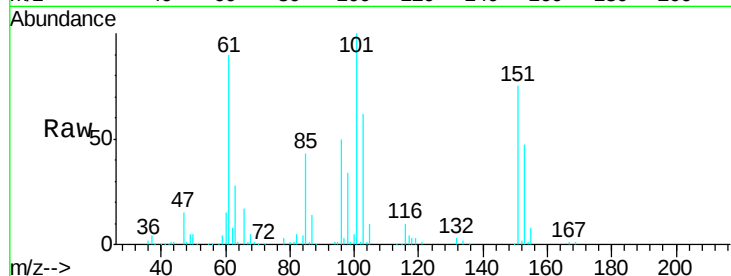
Tgt Ion:101 Resp: 228100

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.6

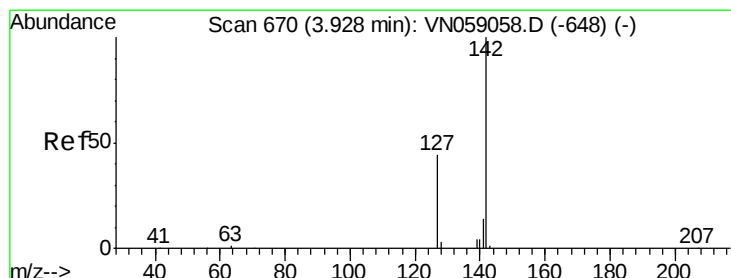
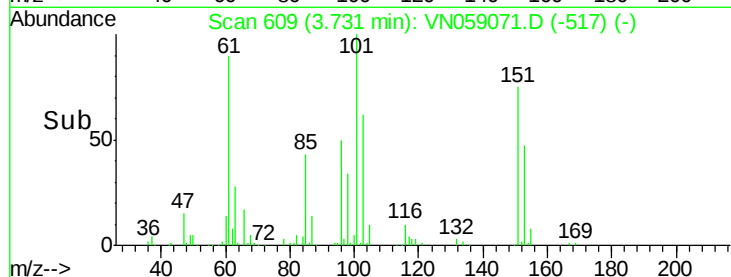
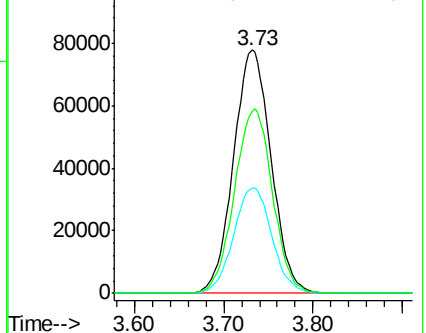
151 76.3 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.900 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

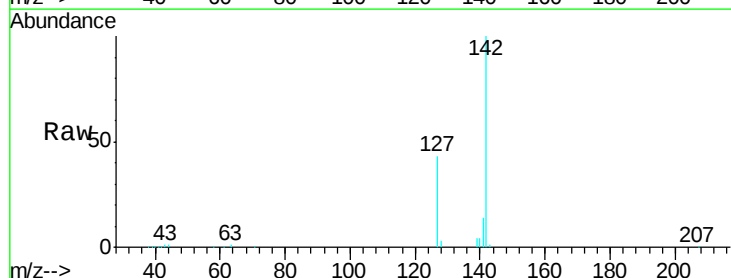
Tgt Ion:142 Resp: 286196

Ion Ratio Lower Upper

142 100

127 44.1 34.2 51.2

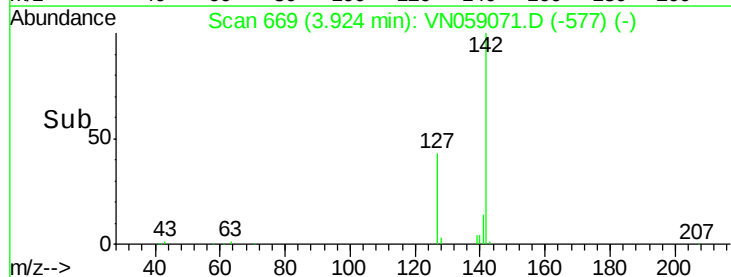
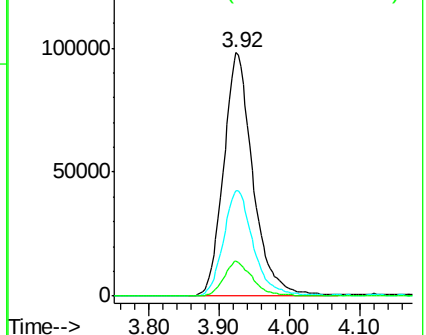
141 13.9 11.1 16.7

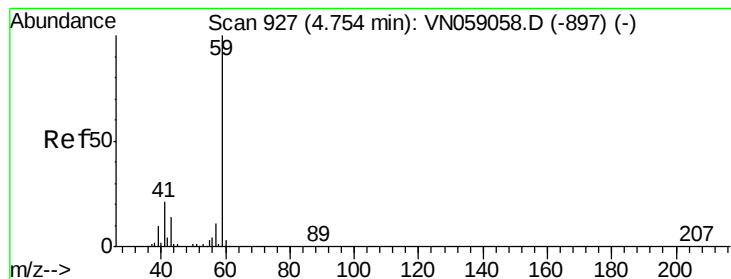


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



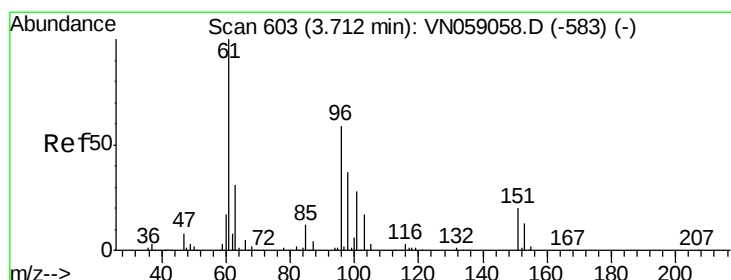
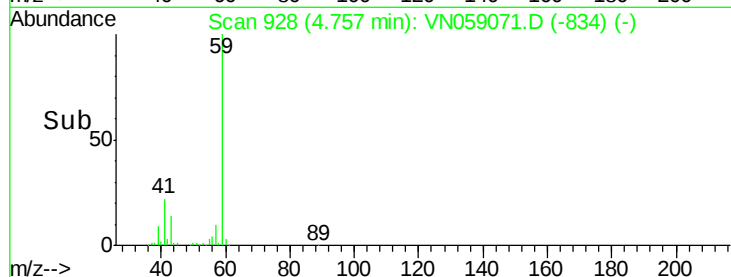
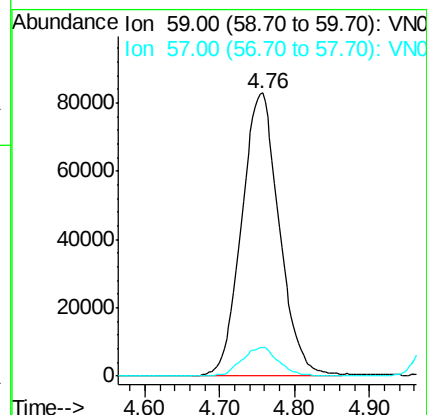
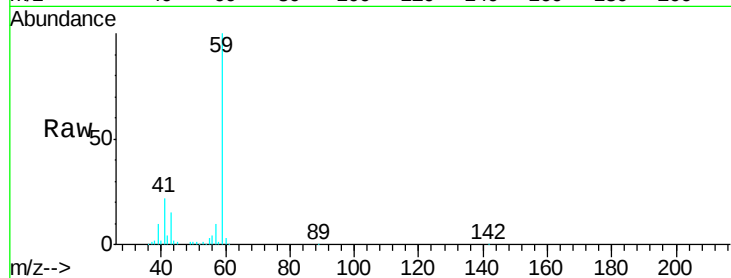


#11

Tert butyl alcohol
 Concen: 250.367 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

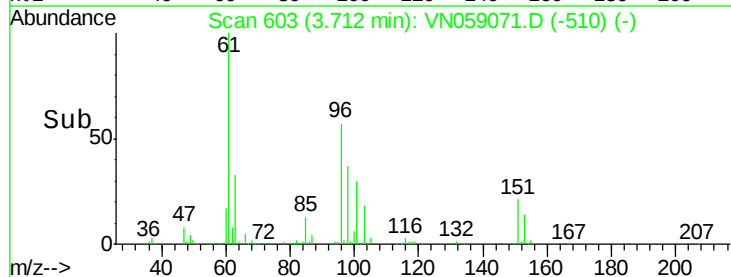
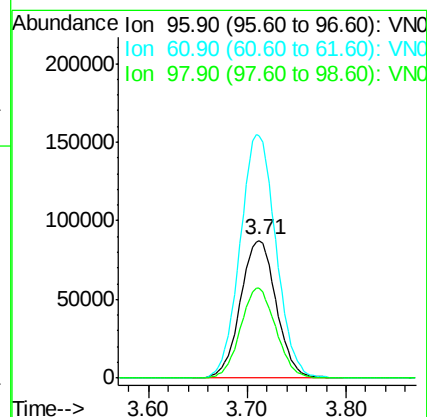
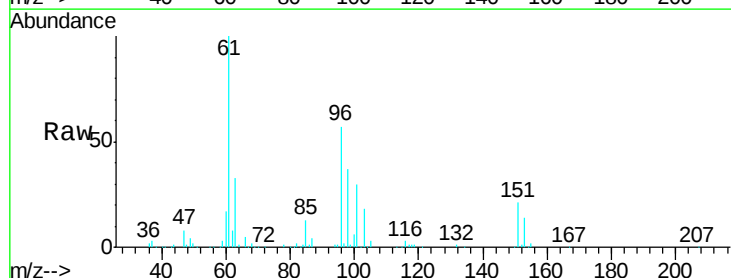
Tgt Ion: 59 Resp: 290538
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

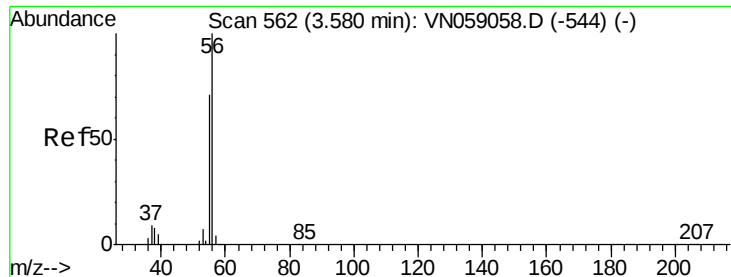


#12

1,1-Dichloroethene
 Concen: 46.835 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Tgt Ion: 96 Resp: 219789
 Ion Ratio Lower Upper
 96 100
 61 176.4 135.3 202.9
 98 65.2 49.4 74.2





#13

Acrolein

Concen: 249.431 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

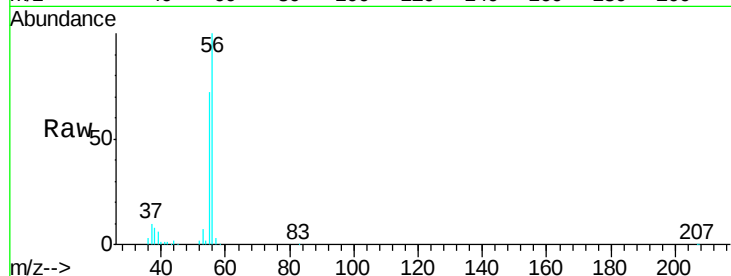
VSTDCCC050EC

Tgt Ion: 56 Resp: 182643

Ion Ratio Lower Upper

56 100

55 73.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN059058.D (-544) (-)

Ion 55.00 (54.70 to 55.70): VN059058.D (-544) (-)

3.58

80000

60000

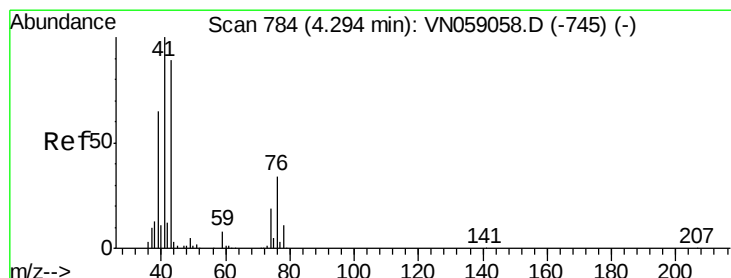
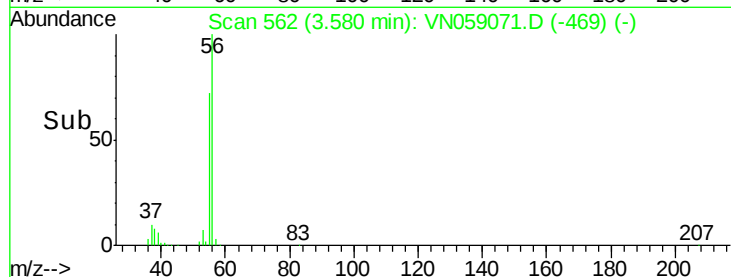
40000

20000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 48.833 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

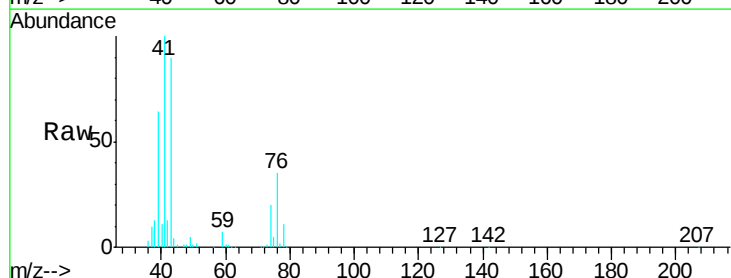
Tgt Ion: 41 Resp: 454105

Ion Ratio Lower Upper

41 100

39 61.0 49.4 74.2

76 30.8 24.6 37.0



Abundance Ion 41.00 (40.70 to 41.70): VN059058.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN059058.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN059058.D (-745) (-)

4.29

200000

150000

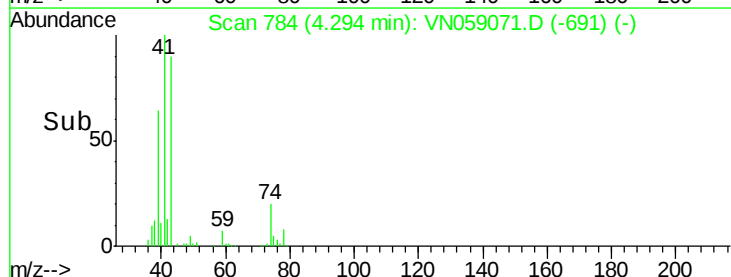
100000

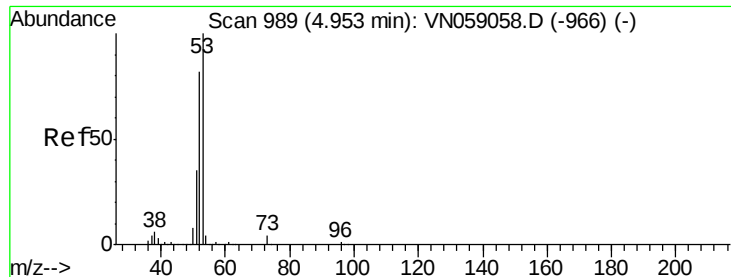
50000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 251.694 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

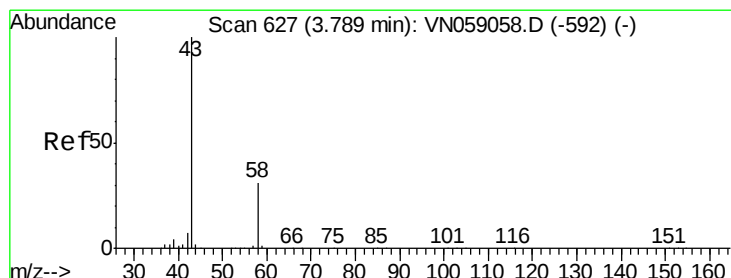
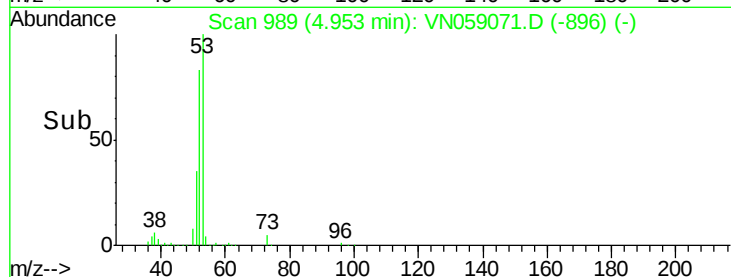
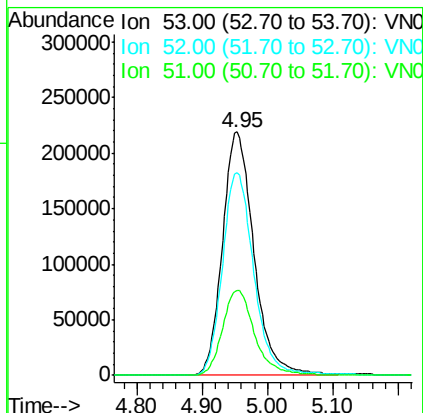
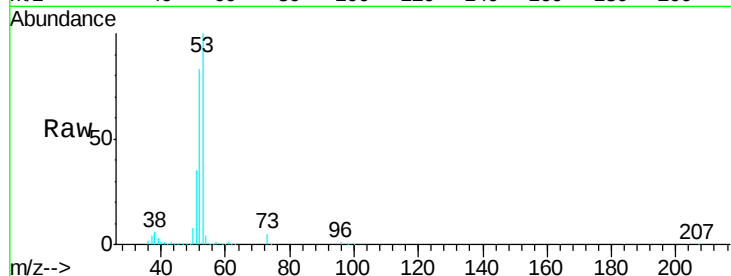
Tgt Ion: 53 Resp: 732685

Ion Ratio Lower Upper

53 100

52 82.4 66.0 99.0

51 35.7 28.3 42.5



#16

Acetone

Concen: 220.495 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059071.D

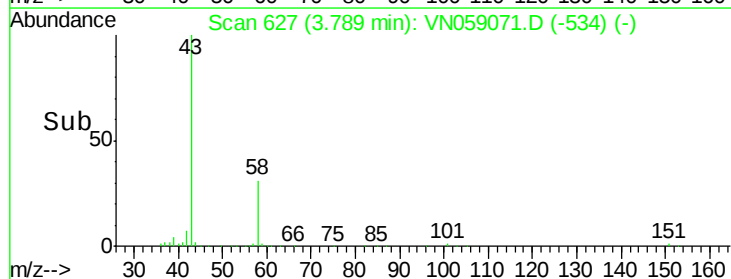
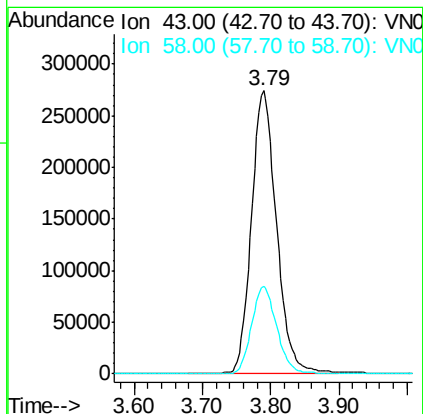
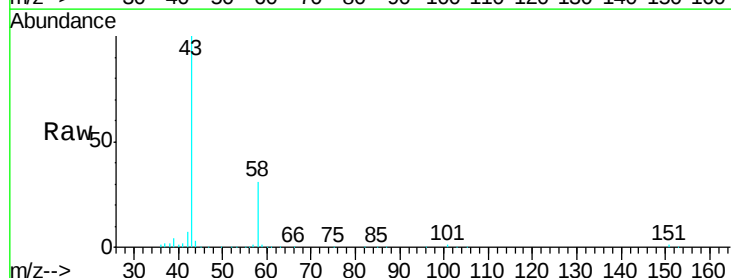
Acq: 1 Nov 2019 18:32

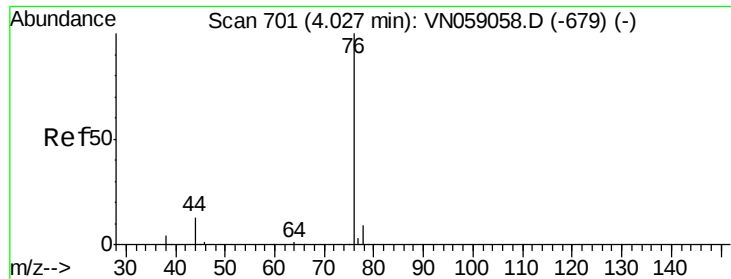
Tgt Ion: 43 Resp: 699915

Ion Ratio Lower Upper

43 100

58 31.0 25.0 37.6

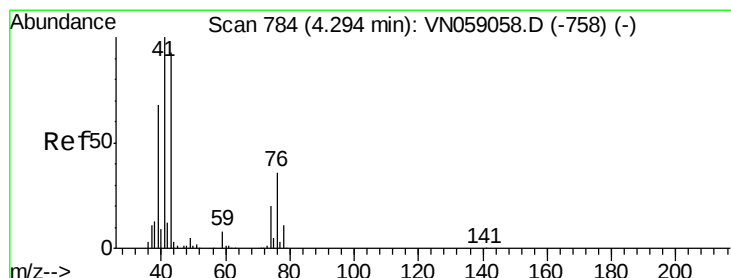
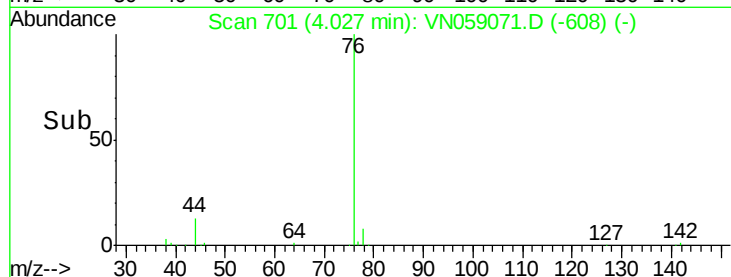
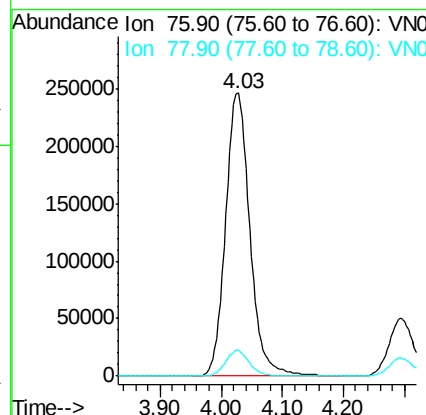
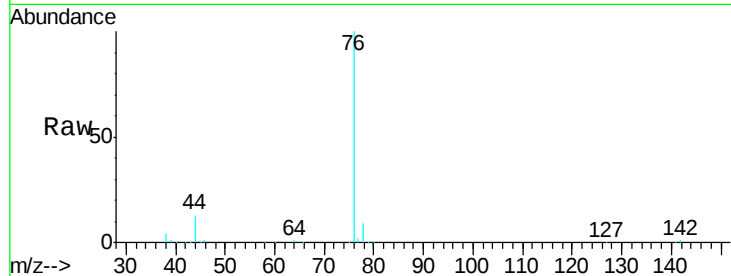




#17
Carbon Disulfide
Concen: 45.595 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

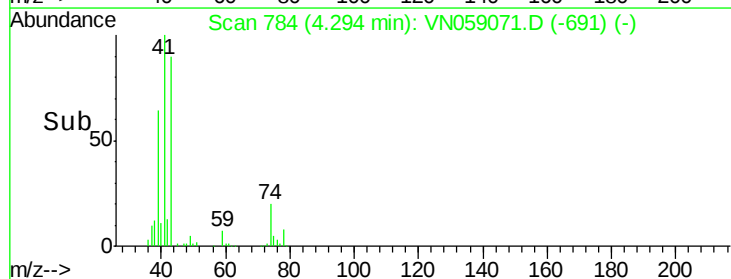
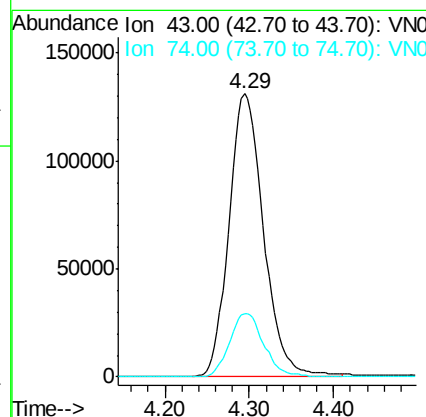
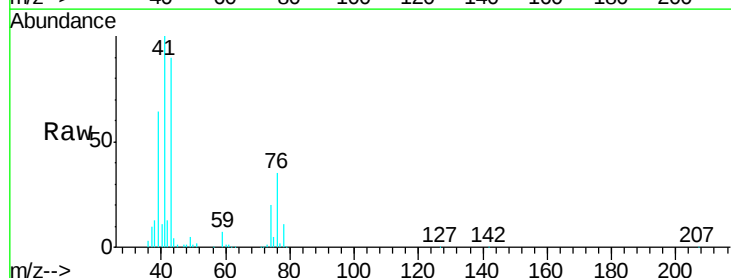
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

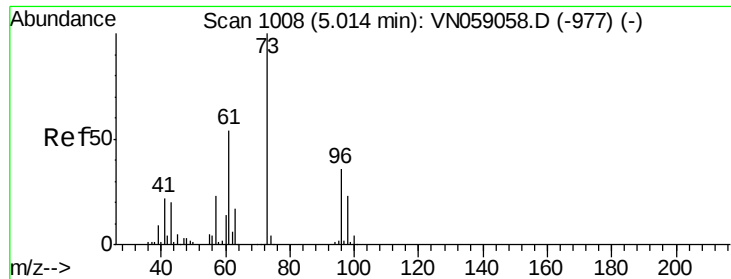
Tgt Ion: 76 Resp: 680260
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 45.963 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 43 Resp: 369616
Ion Ratio Lower Upper
43 100
74 22.5 17.5 26.3

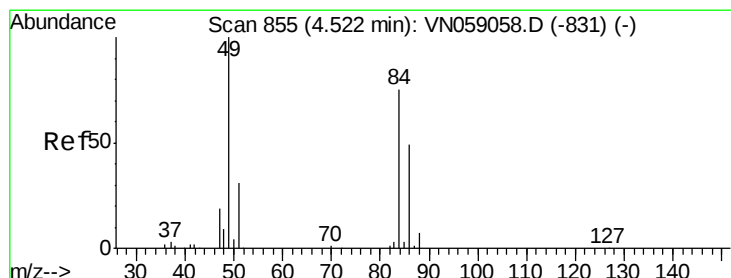
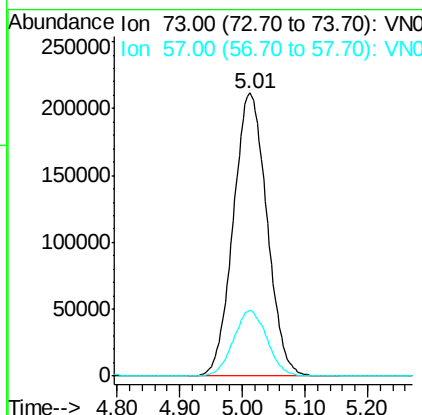
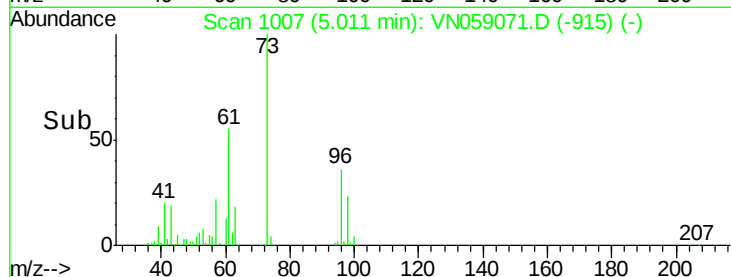
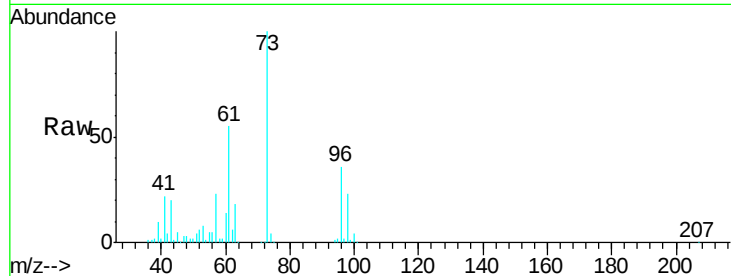




#19
Methyl tert-butyl Ether
Concen: 49.276 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

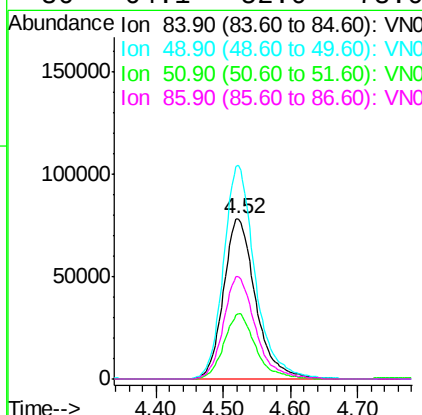
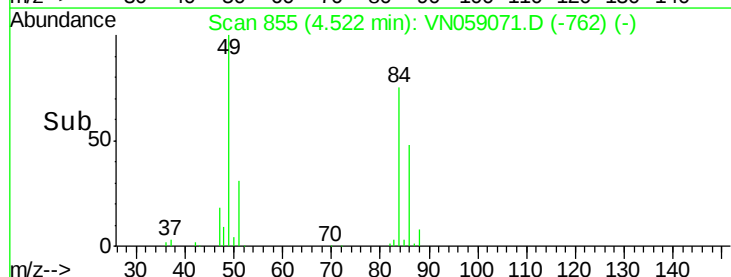
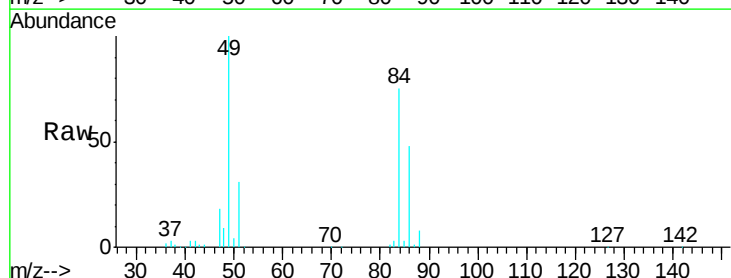
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

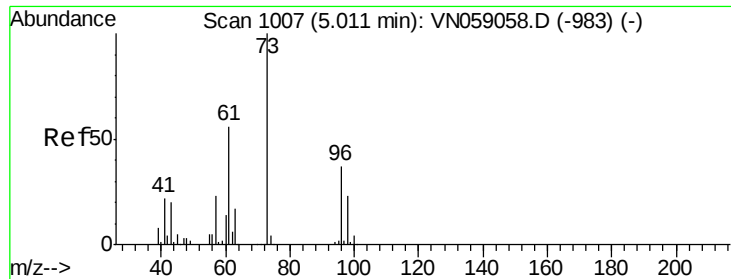
Tgt Ion: 73 Resp: 787612
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6



#20
Methylene Chloride
Concen: 46.880 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 84 Resp: 260512
Ion Ratio Lower Upper
84 100
49 133.3 106.4 159.6
51 40.7 33.0 49.4
86 64.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 48.674 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

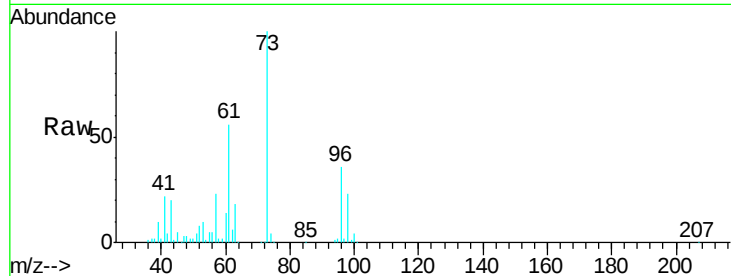
Tgt Ion: 96 Resp: 245223

Ion Ratio Lower Upper

96 100

61 154.0 121.7 182.5

98 64.0 50.6 76.0

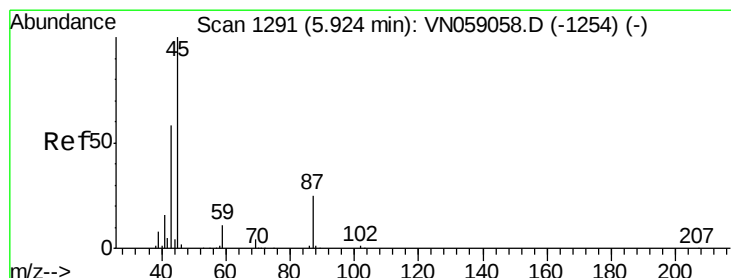
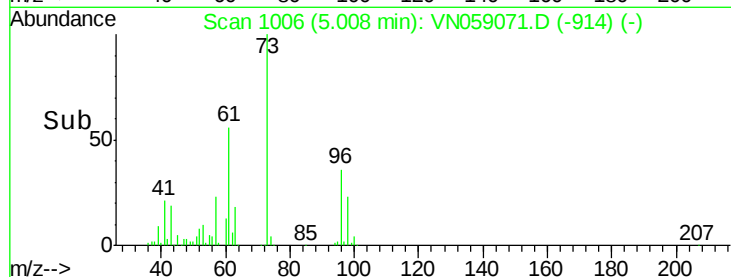
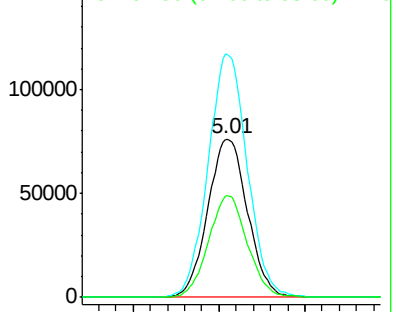


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.520 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Tgt Ion: 45 Resp: 894828

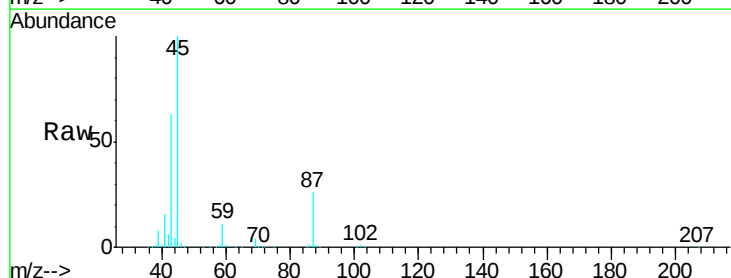
Ion Ratio Lower Upper

45 100

43 61.7 46.9 70.3

87 25.7 20.1 30.1

59 11.3 9.0 13.4



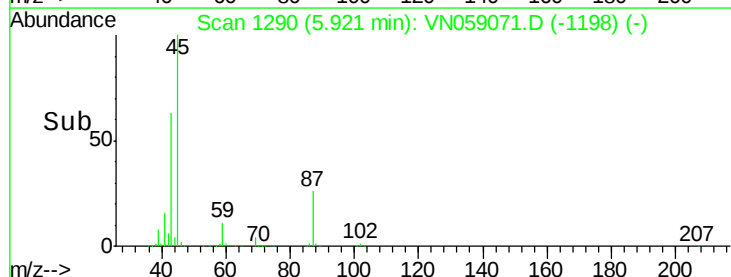
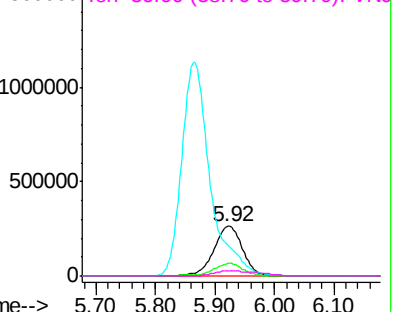
Abundance

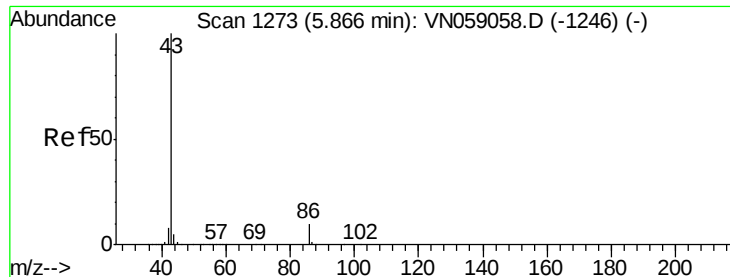
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 266.138 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

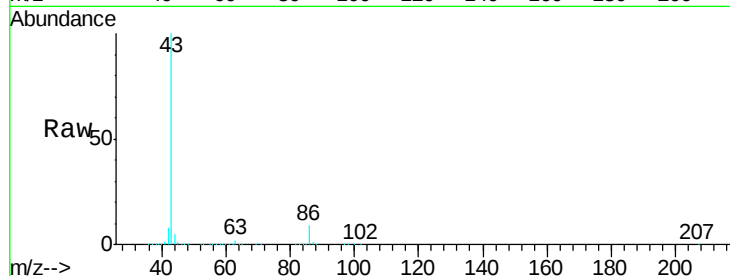
VSTDCCC050EC

Tgt Ion: 43 Resp: 3754544

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



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

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

5.86

1200000

1000000

800000

600000

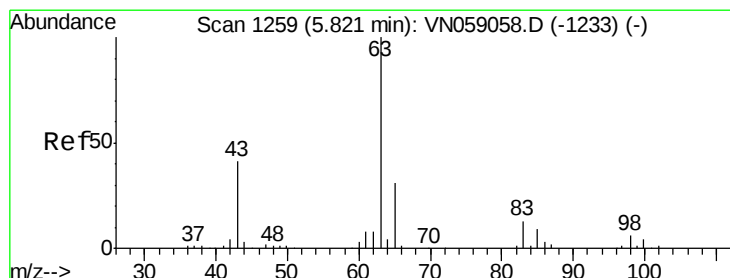
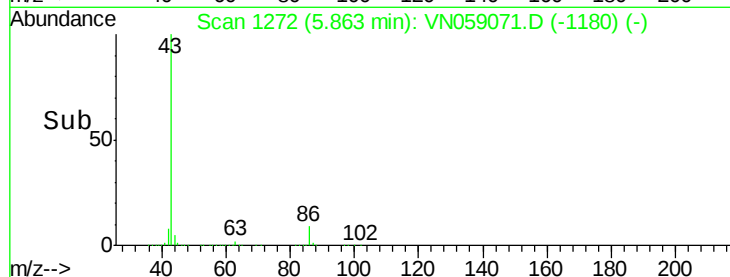
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 48.268 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

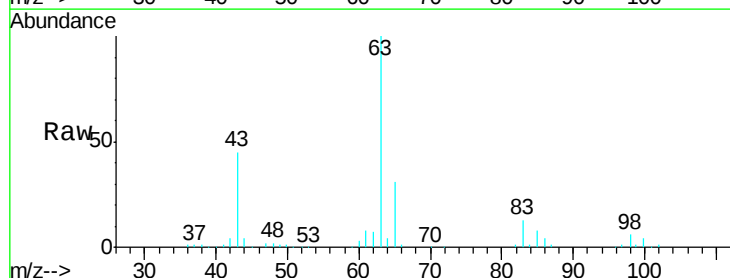
Tgt Ion: 63 Resp: 488795

Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.7 2.0 6.0



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

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

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

5.82

200000

150000

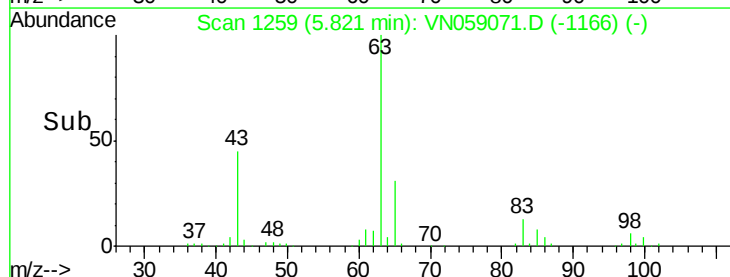
100000

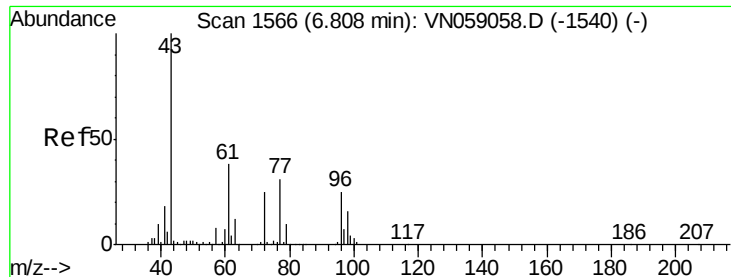
50000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 248.237 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

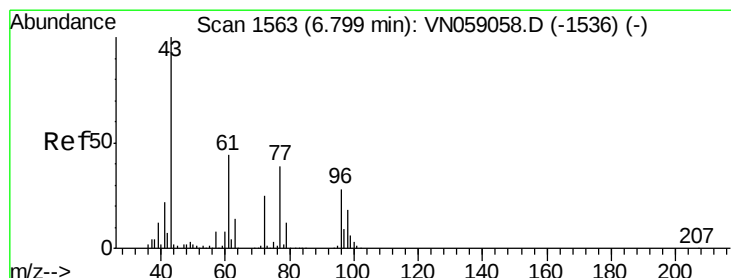
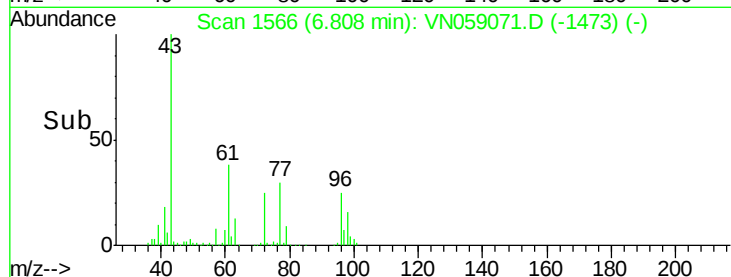
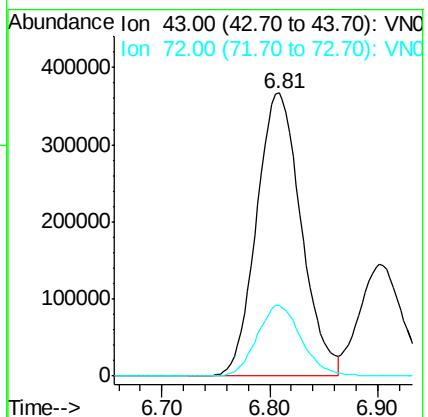
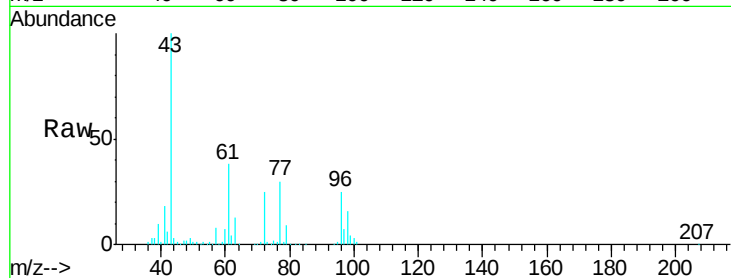
VSTDCCC050EC

Tgt Ion: 43 Resp: 1049228

Ion Ratio Lower Upper

43 100

72 25.1 19.9 29.9



#26

2,2-Dichloropropane

Concen: 45.702 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059071.D

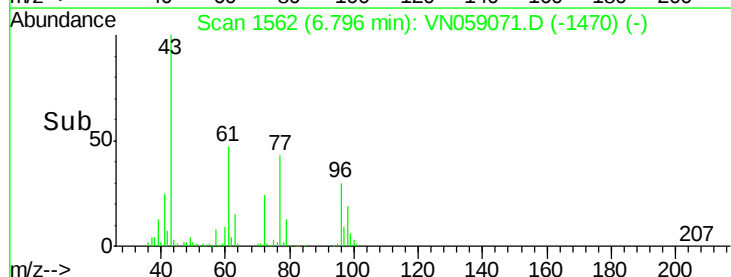
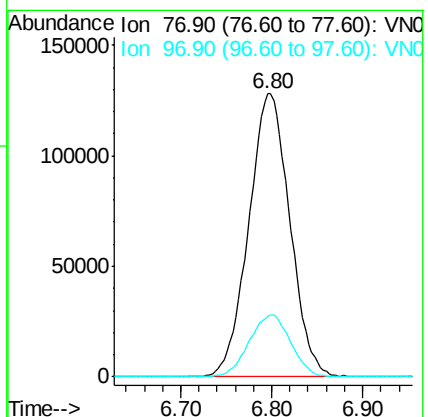
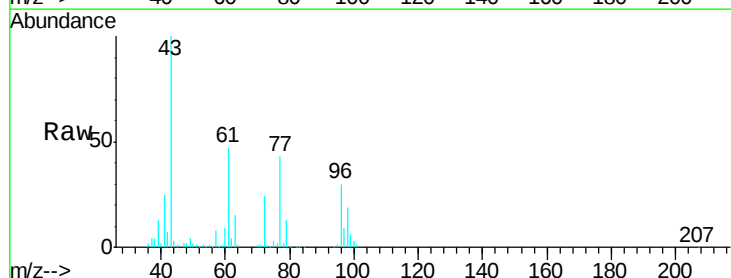
Acq: 1 Nov 2019 18:32

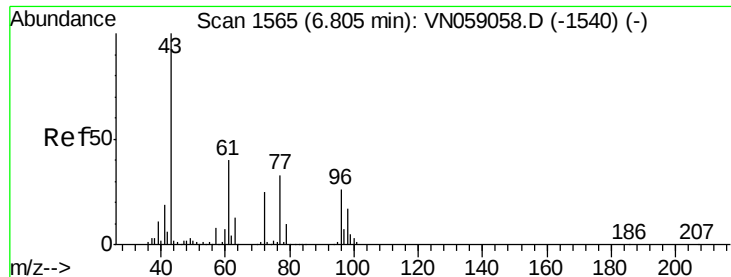
Tgt Ion: 77 Resp: 401703

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 48.833 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

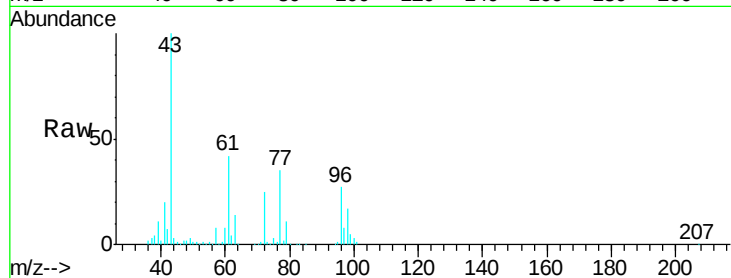
Tgt Ion: 96 Resp: 277019

Ion Ratio Lower Upper

96 100

61 157.9 0.0 316.4

98 64.6 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN059071.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN059071.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN059071.D (-1472) (-)

200000

150000

100000

50000

0

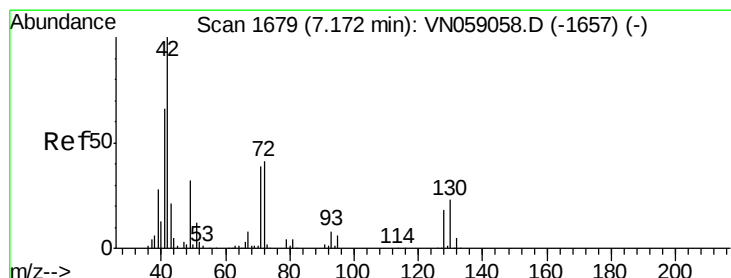
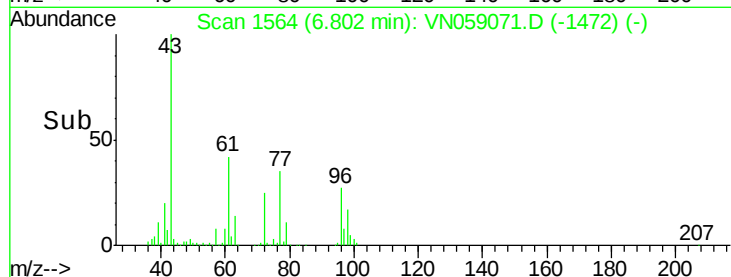
6.80

6.70

6.80

6.90

Time-->



#28

Bromochloromethane

Concen: 46.983 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

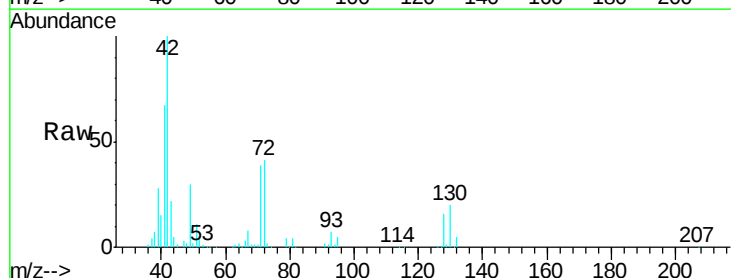
Tgt Ion: 49 Resp: 146838

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

130 67.0 55.0 82.6



Abundance Ion 48.90 (48.60 to 49.60): VN059071.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN059071.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN059071.D (-1586) (-)

60000

40000

20000

0

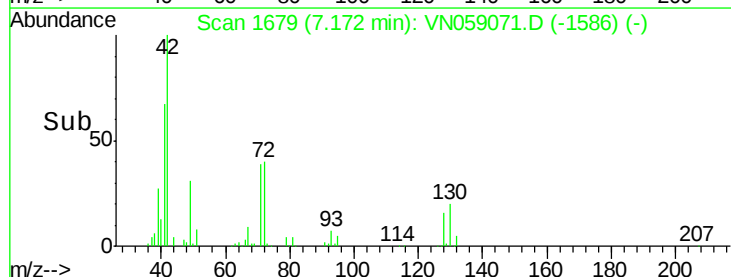
7.17

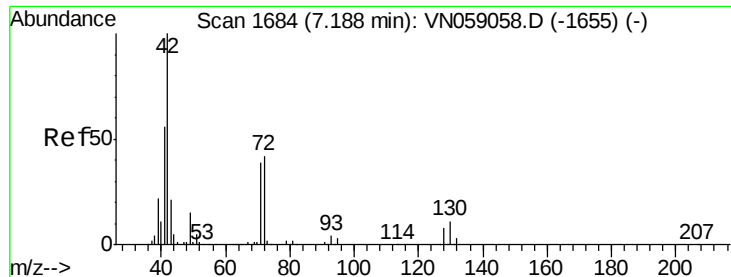
7.10

7.20

7.30

Time-->

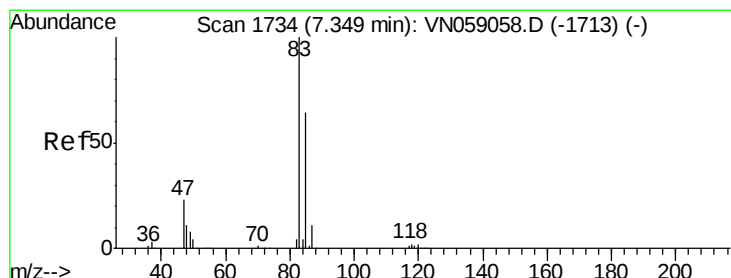
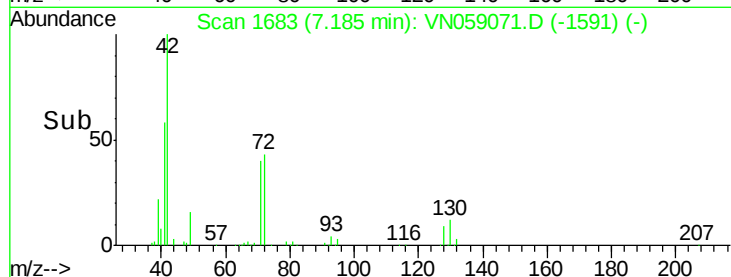
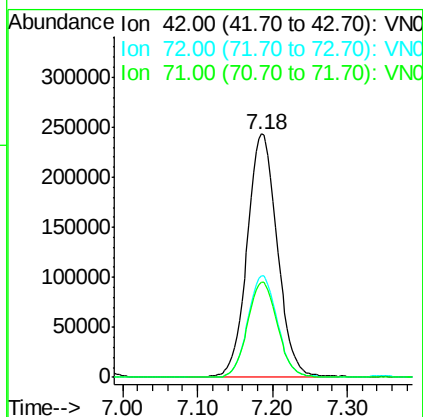
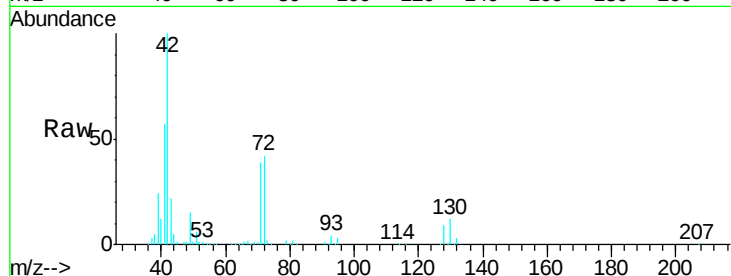




#29
Tetrahydrofuran
Concen: 255.288 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

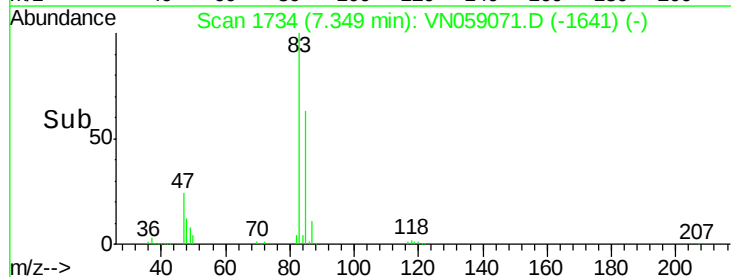
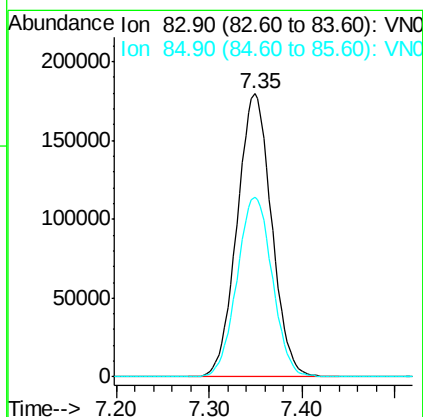
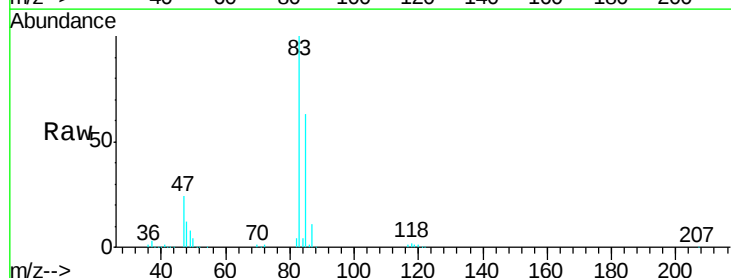
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

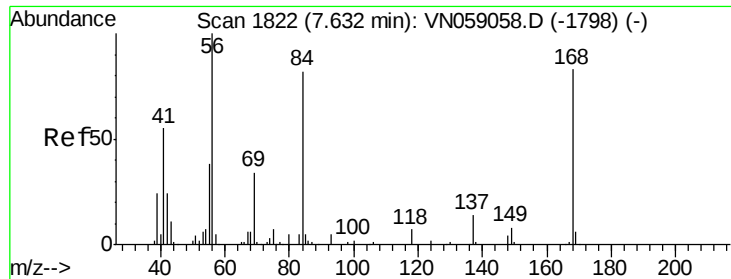
Tgt Ion: 42 Resp: 680981
Ion Ratio Lower Upper
42 100
72 41.3 32.7 49.1
71 38.9 31.2 46.8



#30
Chloroform
Concen: 47.939 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 83 Resp: 464221
Ion Ratio Lower Upper
83 100
85 63.4 50.9 76.3

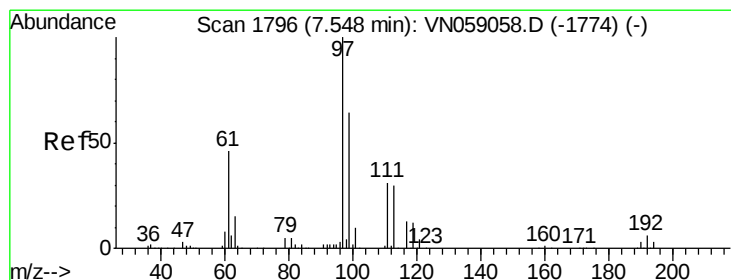
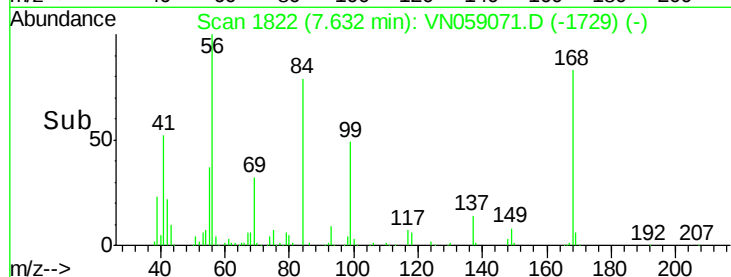
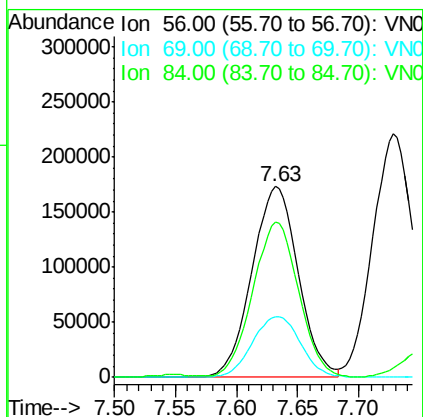
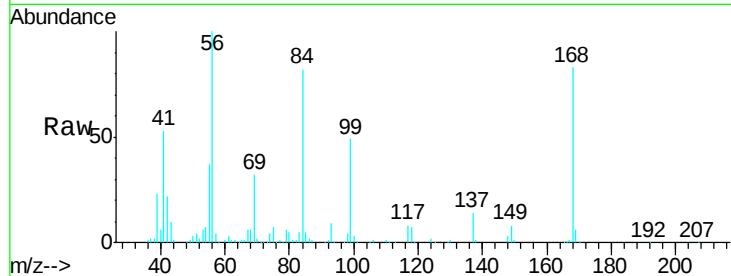




#31
Cyclohexane
Concen: 47.329 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

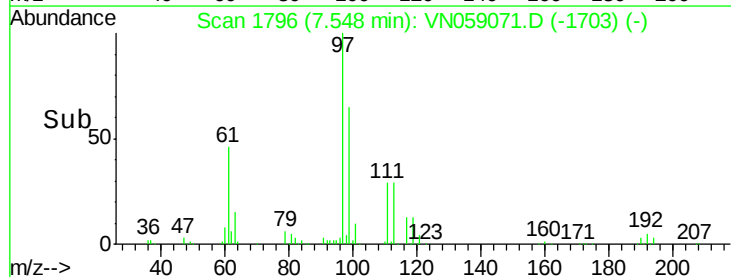
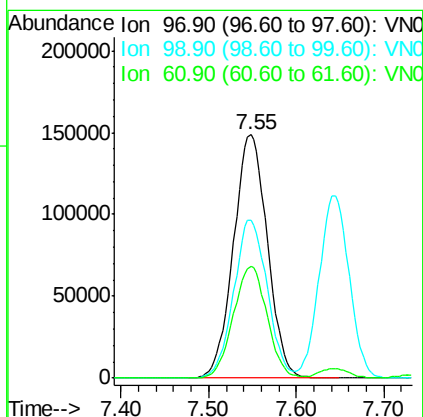
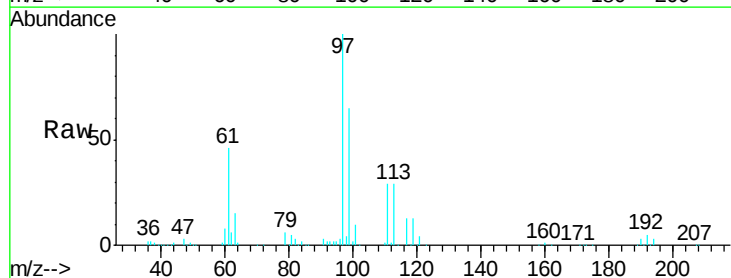
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

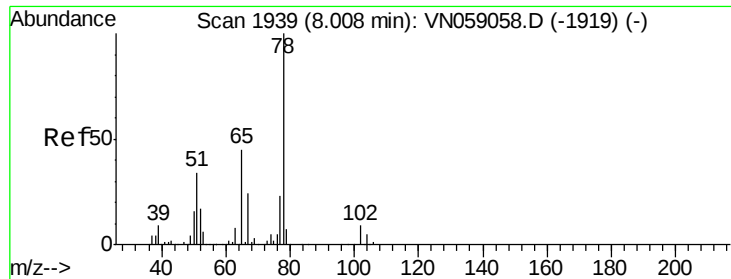
Tgt Ion: 56 Resp: 457152
Ion Ratio Lower Upper
56 100
69 31.9 27.2 40.8
84 80.5 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 48.814 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 97 Resp: 399924
Ion Ratio Lower Upper
97 100
99 64.1 50.7 76.1
61 45.8 36.3 54.5

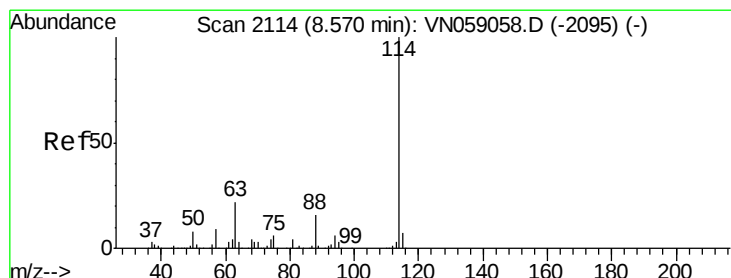
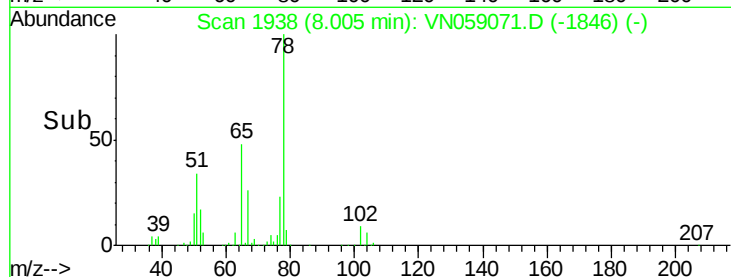
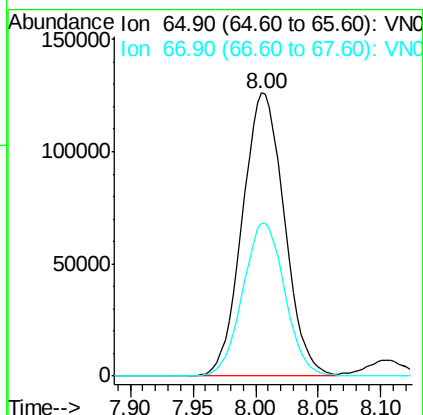
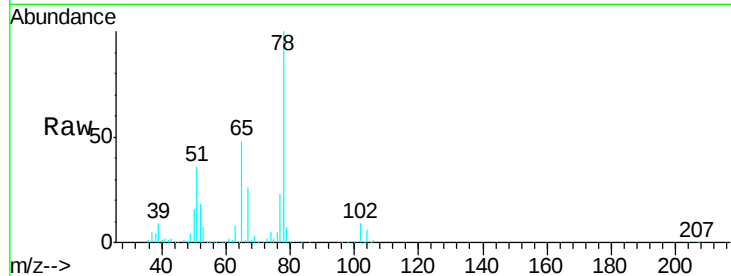




#33
 1,2-Dichloroethane-d4
 Concen: 46.979 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

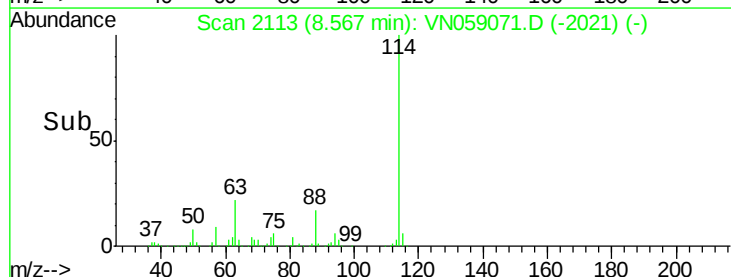
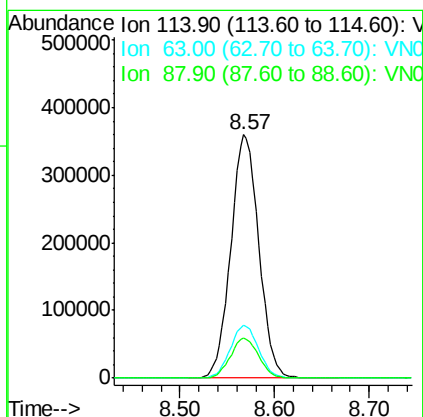
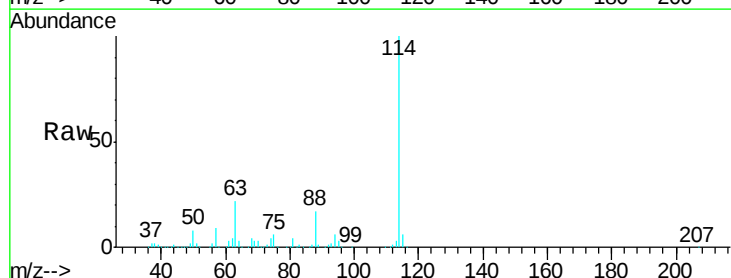
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

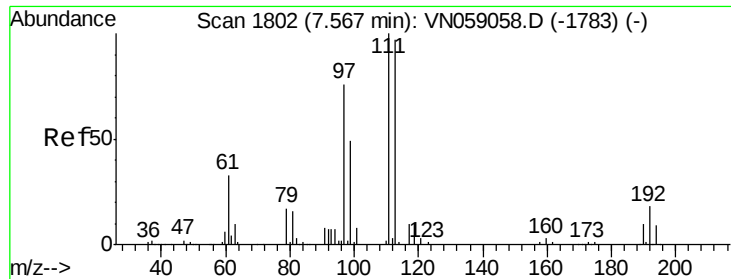
Tgt Ion: 65 Resp: 294564
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Tgt Ion: 114 Resp: 739576
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.600 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

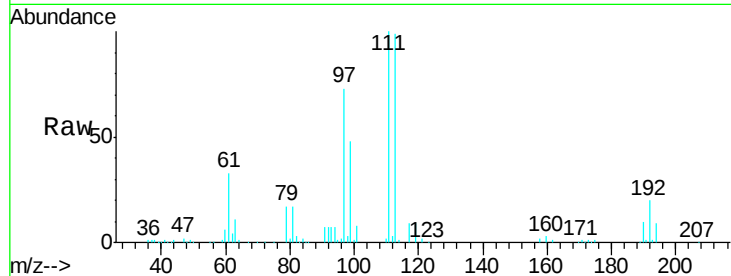
Tgt Ion:113 Resp: 227106

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

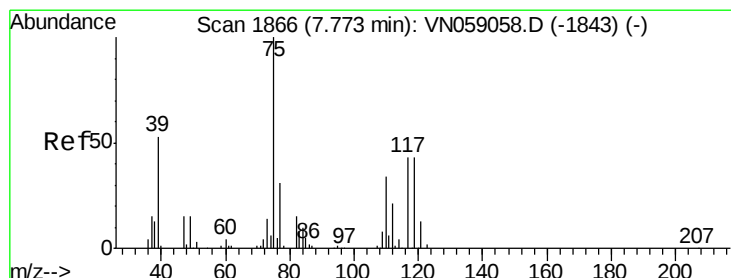
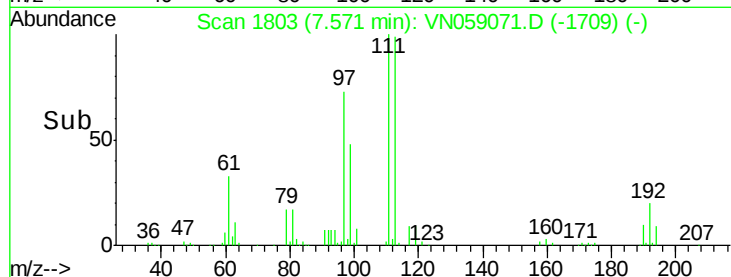
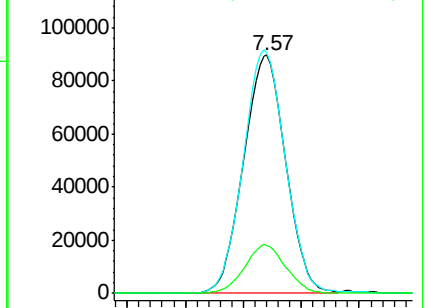
192 19.9 15.9 23.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.114 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

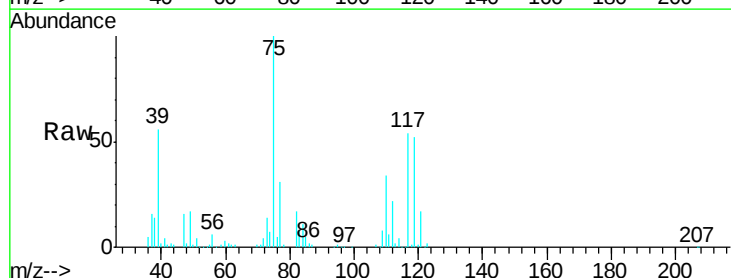
Tgt Ion: 75 Resp: 361012

Ion Ratio Lower Upper

75 100

110 33.0 16.9 50.6

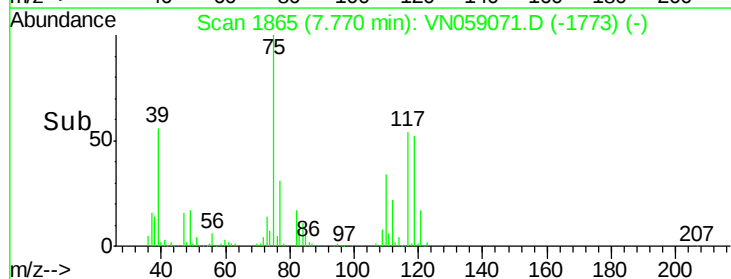
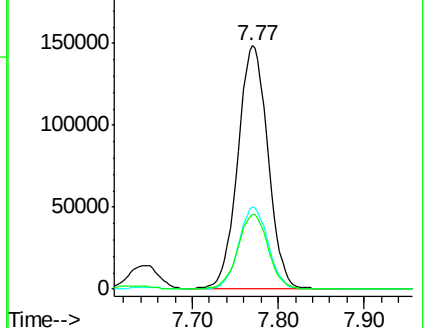
77 30.9 25.0 37.4

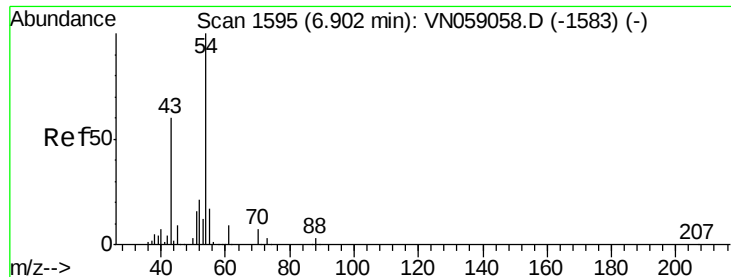


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

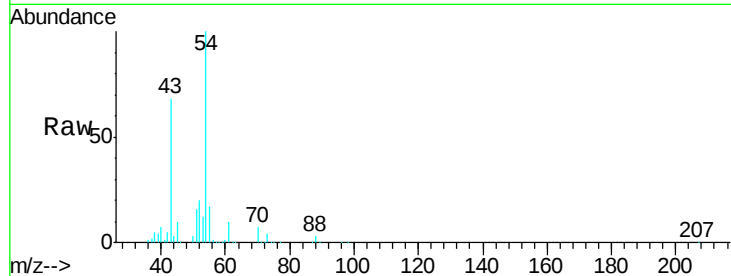




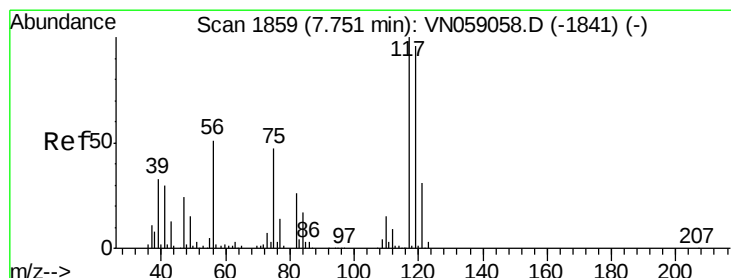
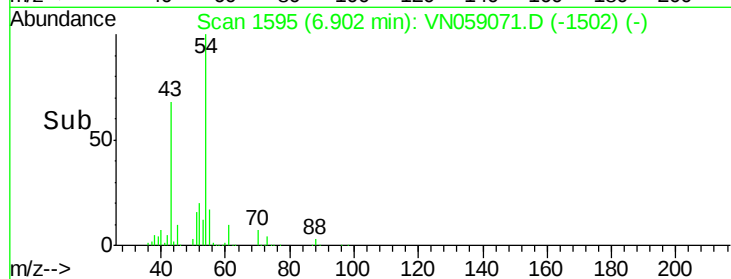
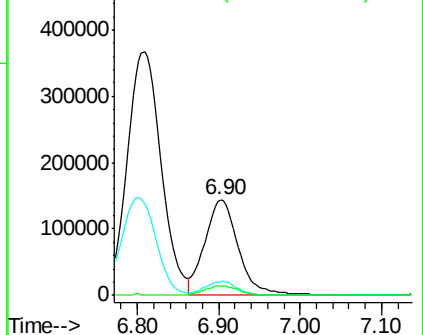
#37
Ethyl Acetate
Concen: 50.262 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 410496
Ion Ratio Lower Upper
43 100
61 13.9 11.2 16.8
70 10.1 8.0 12.0

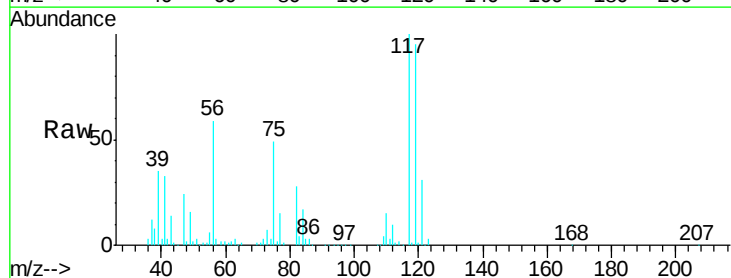


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

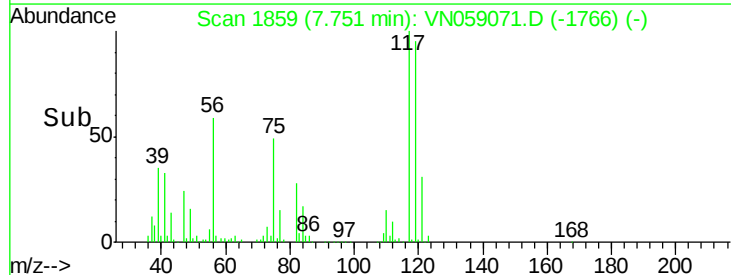
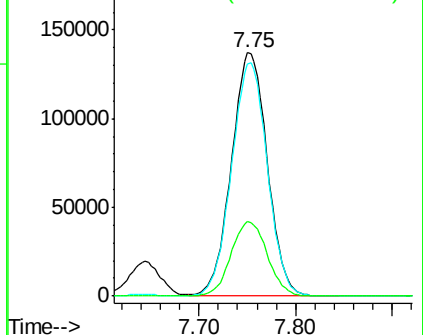


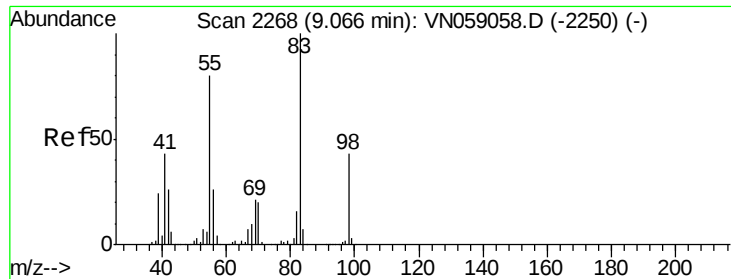
#38
Carbon Tetrachloride
Concen: 49.289 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 117 Resp: 353088
Ion Ratio Lower Upper
117 100
119 95.1 76.6 114.8
121 30.5 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

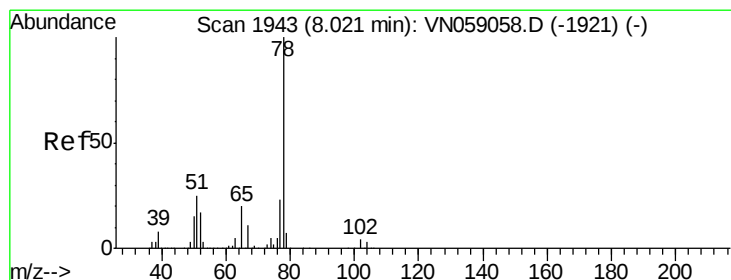
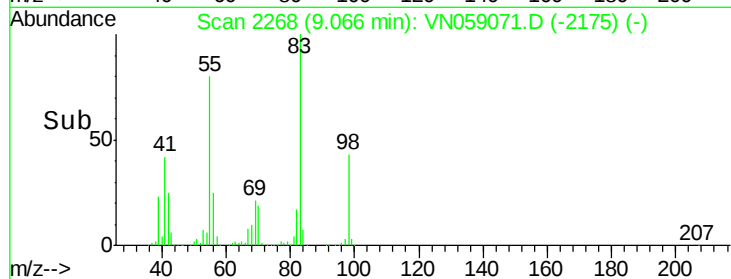
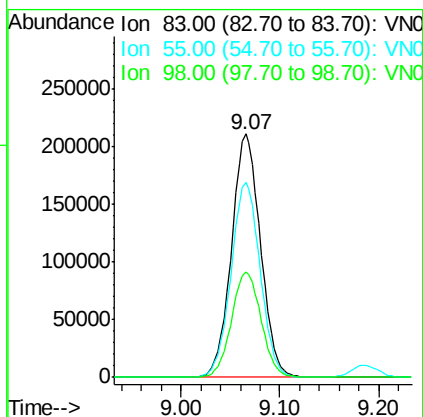
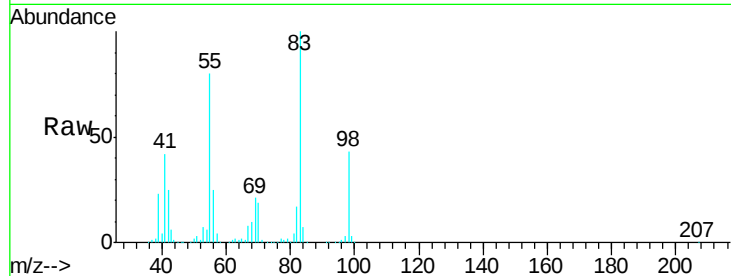




#39
Methylcyclohexane
Concen: 50.696 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

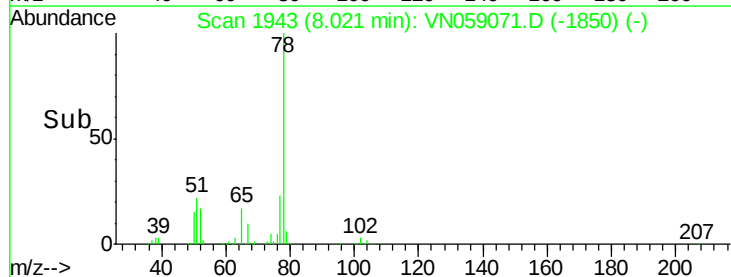
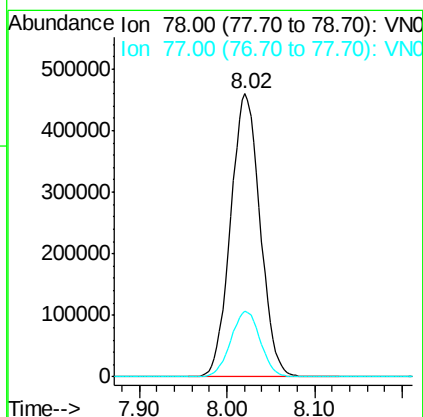
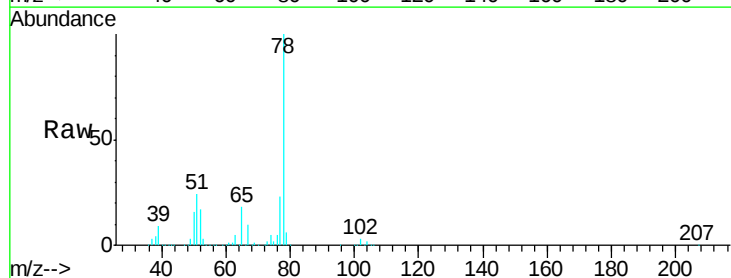
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

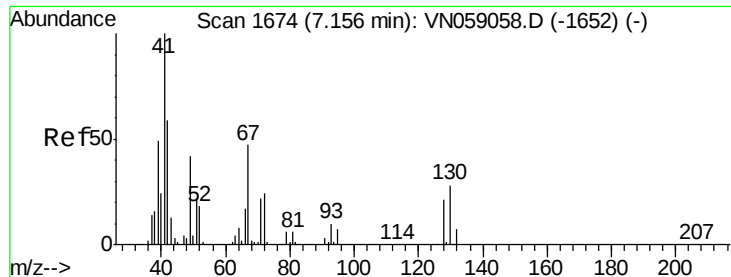
Tgt Ion: 83 Resp: 430720
Ion Ratio Lower Upper
83 100
55 80.0 64.1 96.1
98 43.2 34.3 51.5



#40
Benzene
Concen: 49.337 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 78 Resp: 1076254
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8

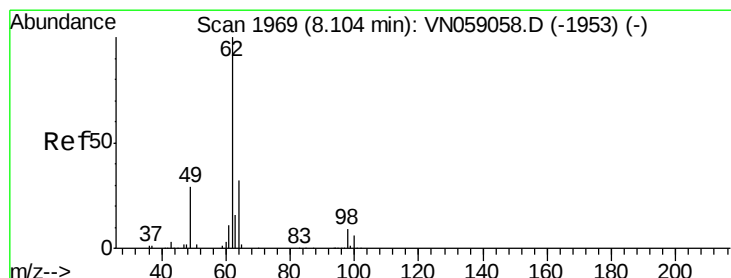
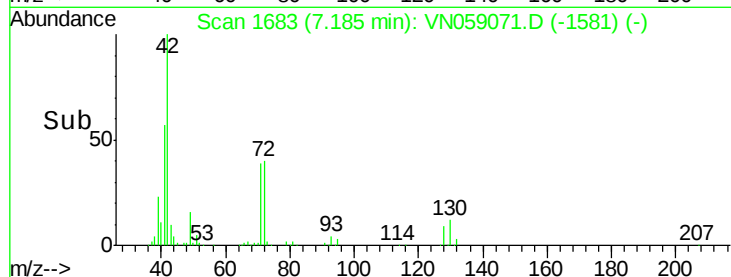
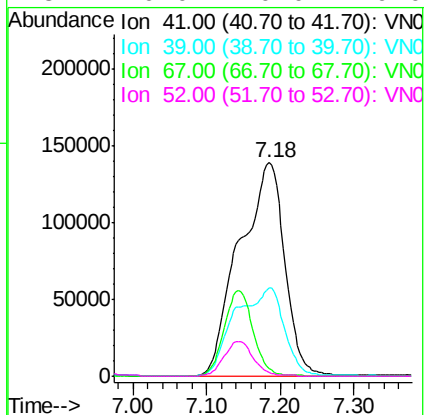
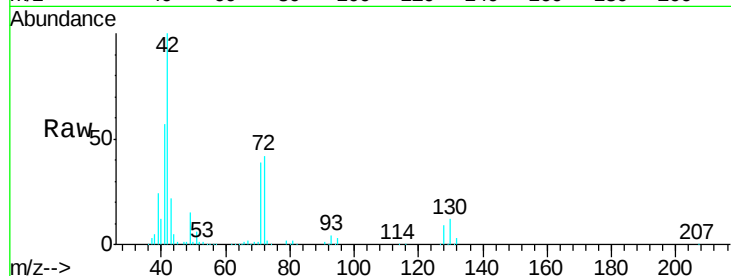




#41
Methacrylonitrile
Concen: 167.854 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

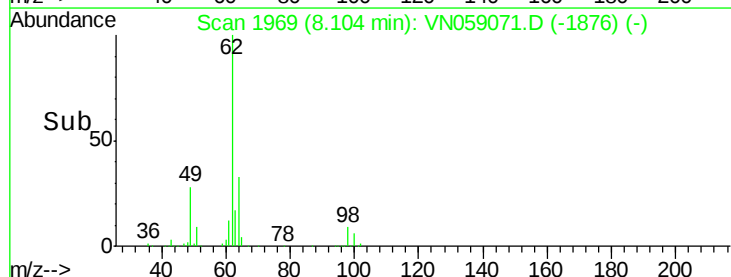
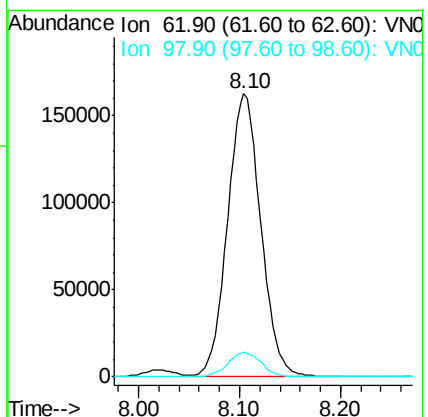
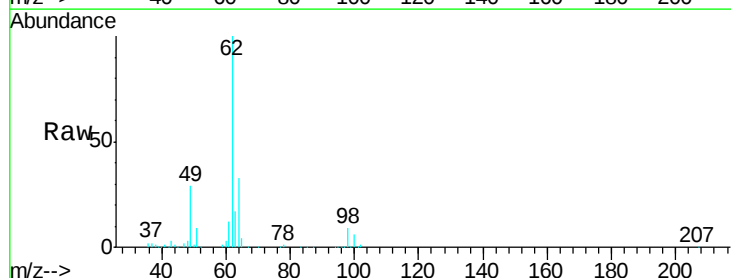
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

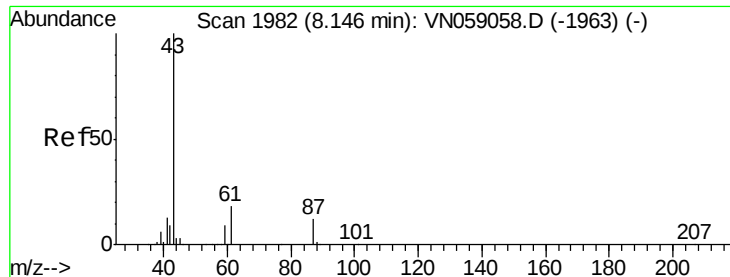
Tgt Ion:	41	Resp:	592787
Ion	Ratio	Lower	Upper
41	100		
39	45.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 49.192 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion:	62	Resp:	372672
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.0

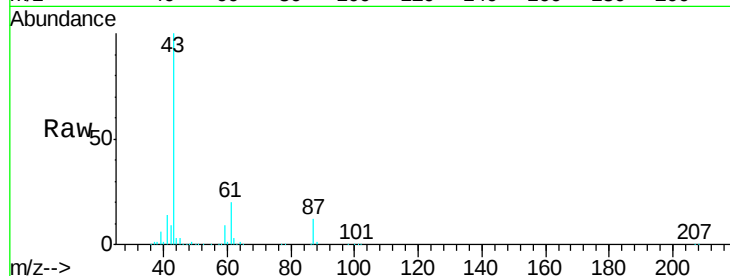




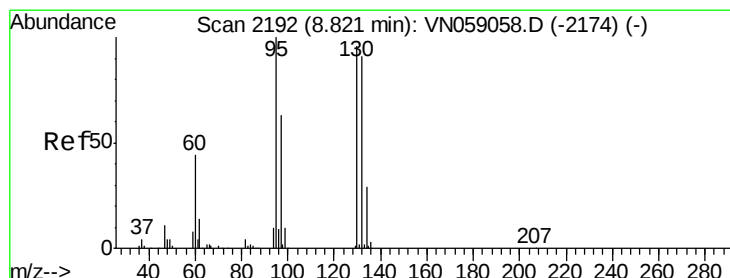
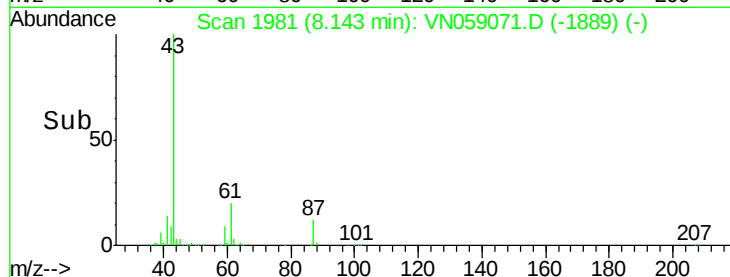
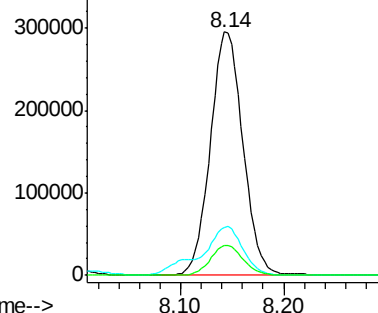
#43
Isopropyl Acetate
Concen: 50.638 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 646743
Ion Ratio Lower Upper
43 100
61 25.7 20.5 30.7
87 12.3 9.8 14.8

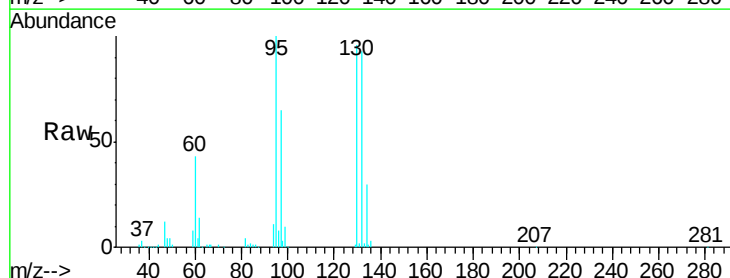


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

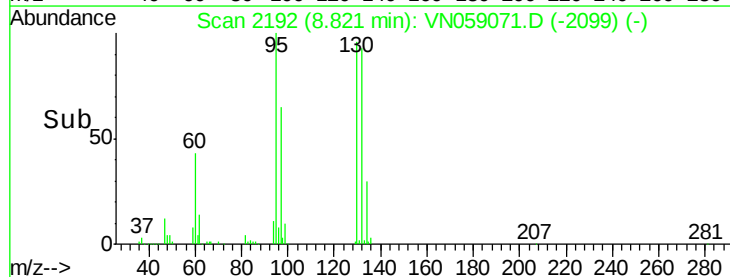
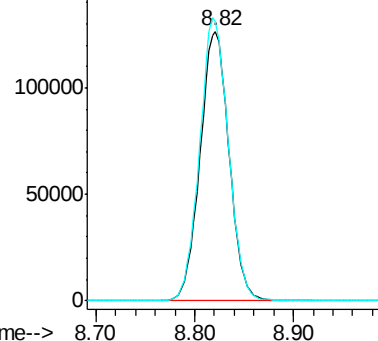


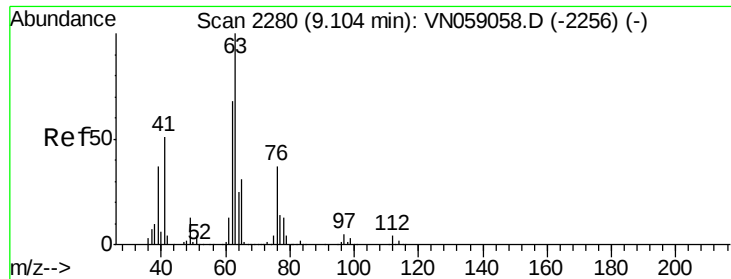
#44
Trichloroethene
Concen: 48.394 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 130 Resp: 259738
Ion Ratio Lower Upper
130 100
95 103.6 0.0 207.6



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





#45

1,2-Dichloropropane

Concen: 49.656 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

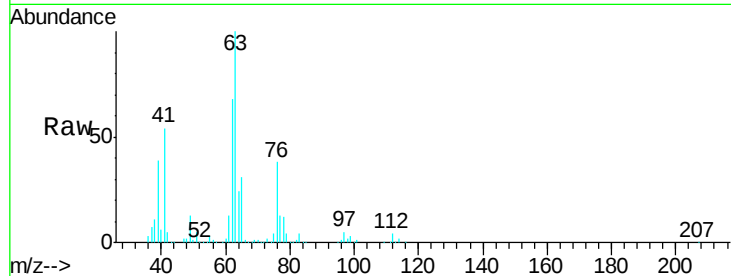
VSTDCCC050EC

Tgt Ion: 63 Resp: 292948

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

150000

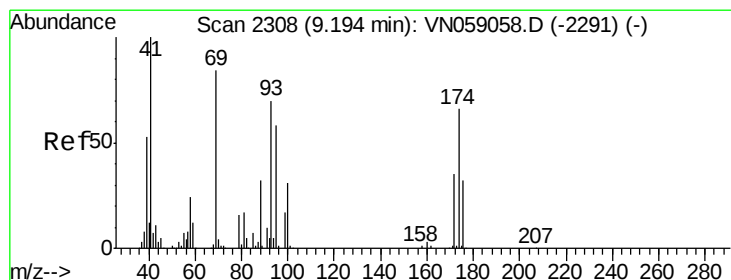
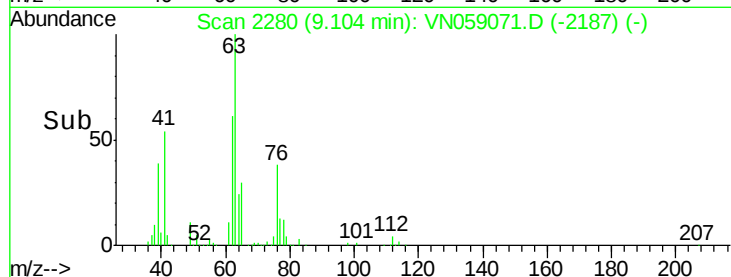
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 49.251 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

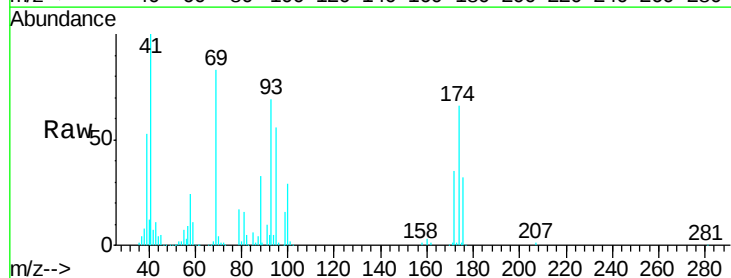
Tgt Ion: 93 Resp: 179579

Ion Ratio Lower Upper

93 100

95 82.0 67.2 100.8

174 97.2 78.3 117.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

60000

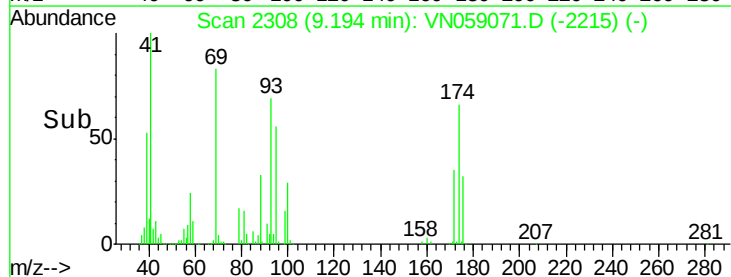
40000

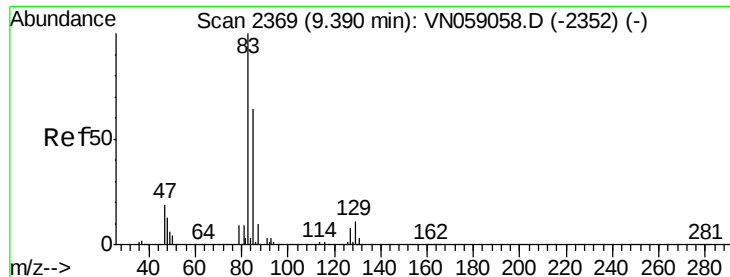
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 49.608 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

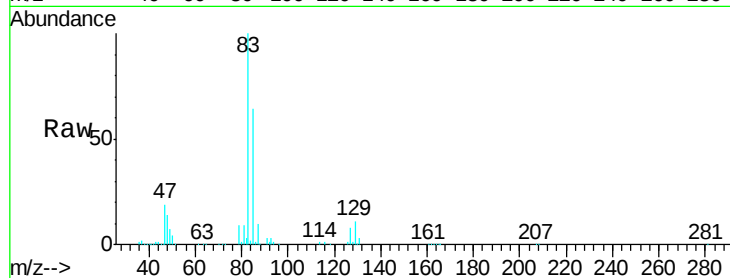
Tgt Ion: 83 Resp: 366320

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

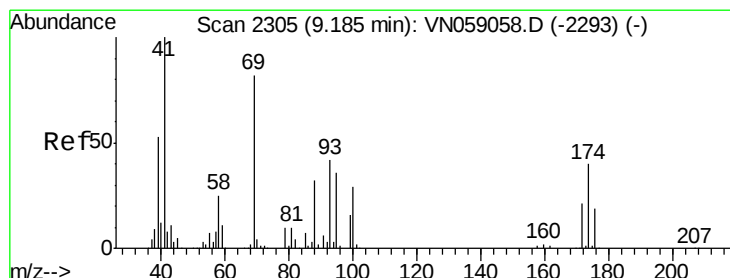
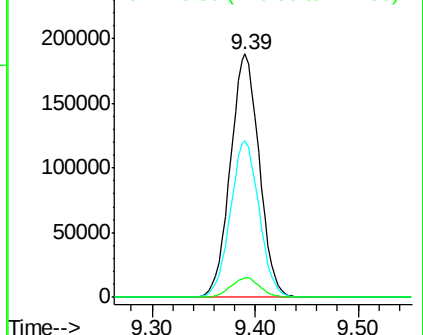
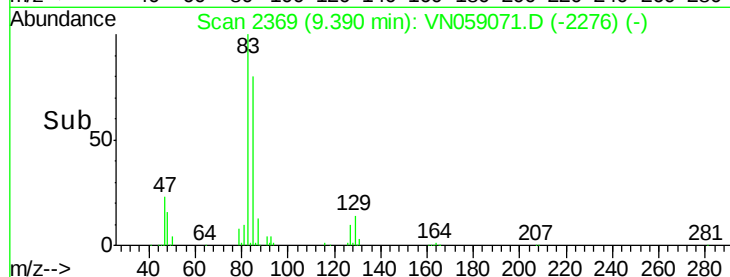
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059071.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059071.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059071.D (-2276) (-)



#48

Methyl methacrylate

Concen: 50.499 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

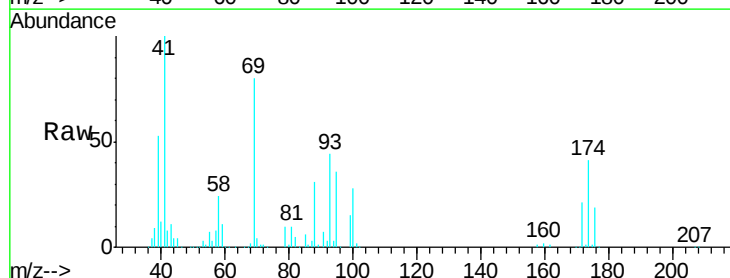
Tgt Ion: 41 Resp: 294081

Ion Ratio Lower Upper

41 100

69 83.9 67.1 100.7

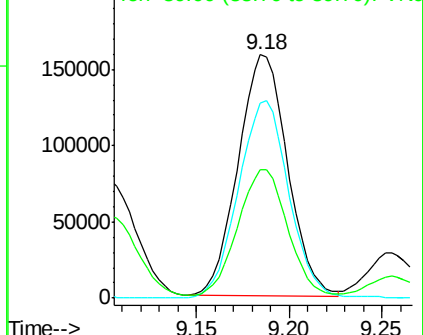
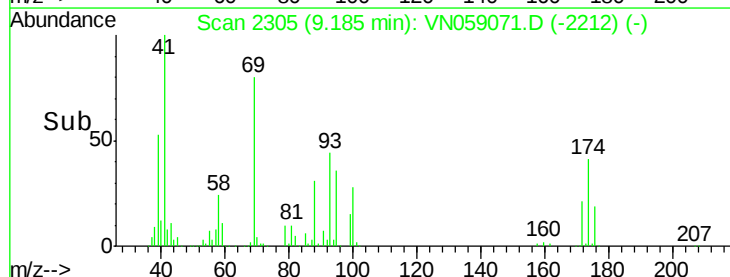
39 54.4 43.3 64.9

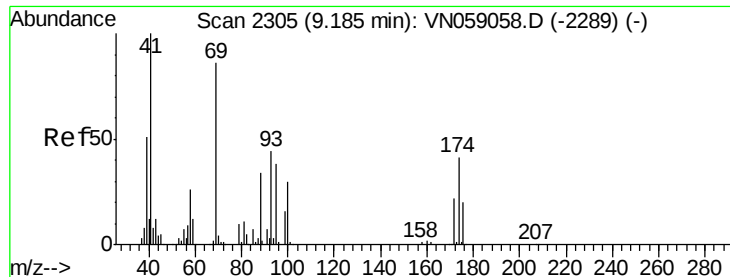


Abundance Ion 41.00 (40.70 to 41.70): VN059071.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059071.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059071.D (-2212) (-)





#49

1,4-Dioxane

Concen: 1109.718 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

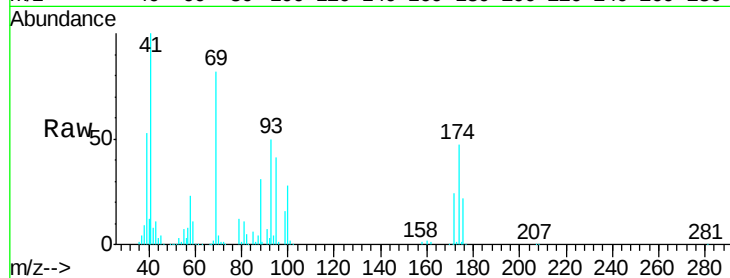
Tgt Ion: 88 Resp: 105417

Ion Ratio Lower Upper

88 100

43 33.6 26.2 39.2

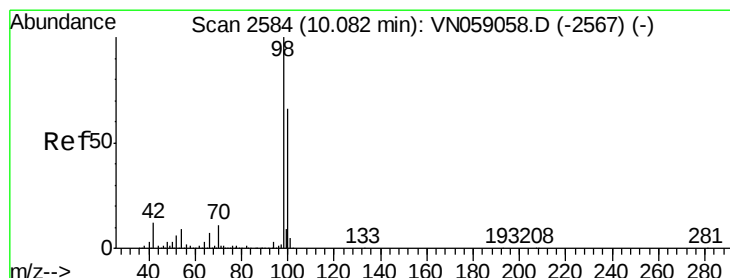
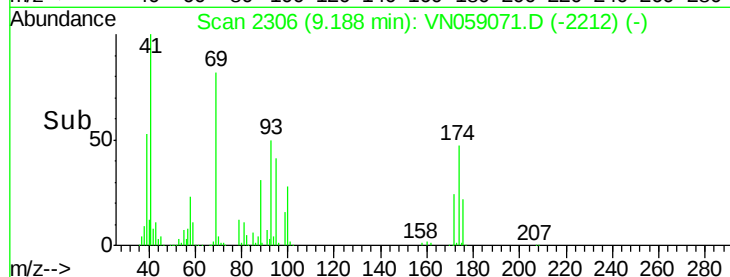
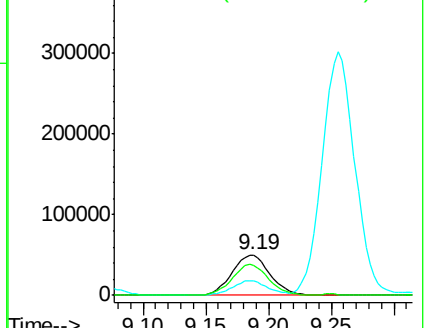
58 73.2 59.1 88.7



Abundance Ion 88.00 (87.70 to 88.70): VN059071.D (-2212) (-)

Ion 43.00 (42.70 to 43.70): VN059071.D (-2212) (-)

Ion 58.00 (57.70 to 58.70): VN059071.D (-2212) (-)



#50

Toluene-d8

Concen: 48.542 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059071.D

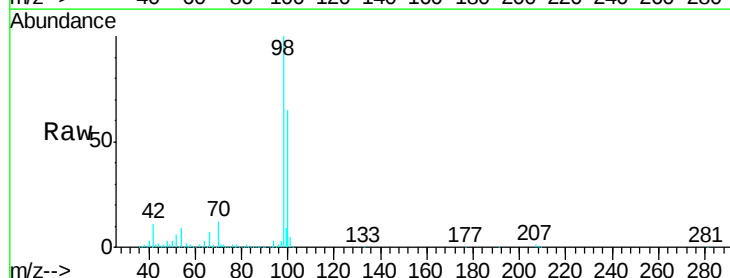
Acq: 1 Nov 2019 18:32

Tgt Ion: 98 Resp: 901693

Ion Ratio Lower Upper

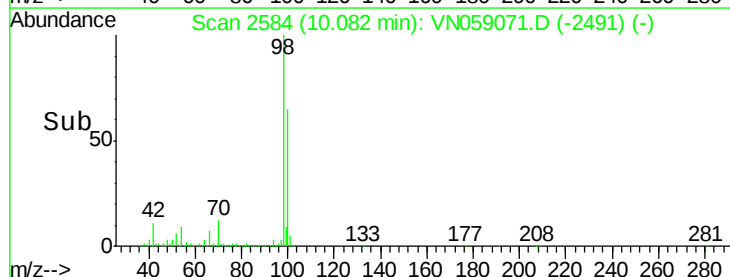
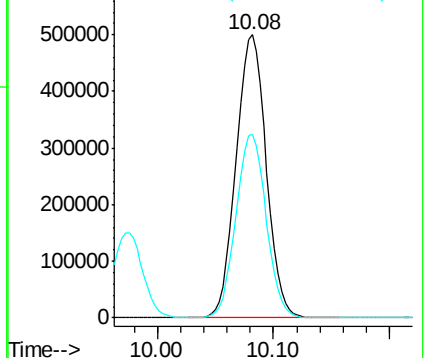
98 100

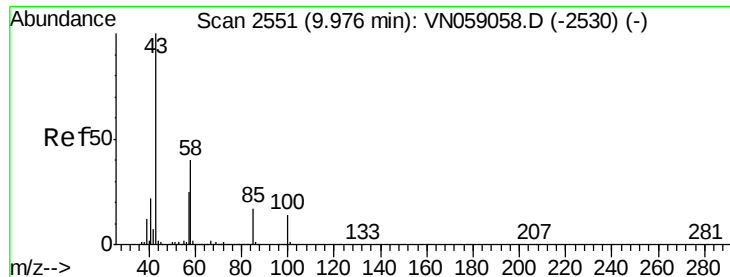
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN059071.D (-2491) (-)

Ion 100.00 (99.70 to 100.70): VN059071.D (-2491) (-)

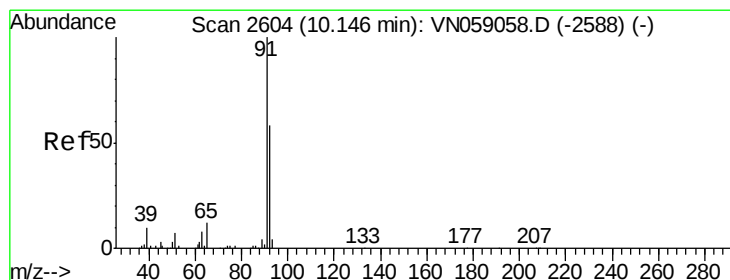
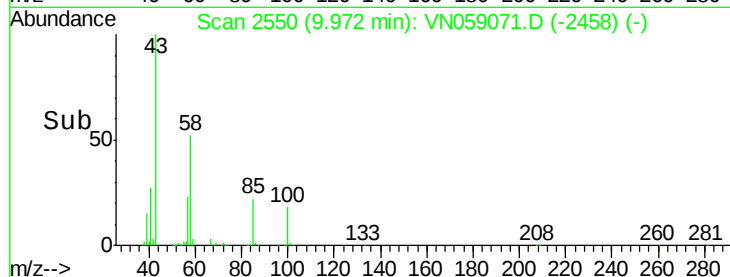
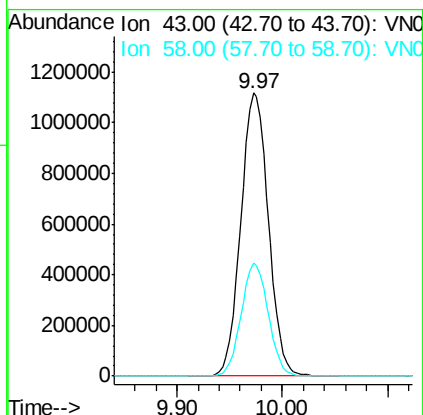
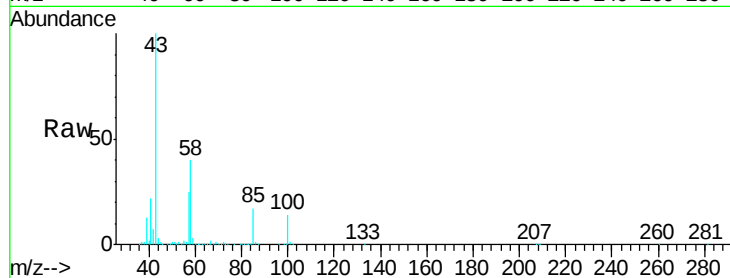




#51
 4-Methyl-2-Pentanone
 Concen: 273.328 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

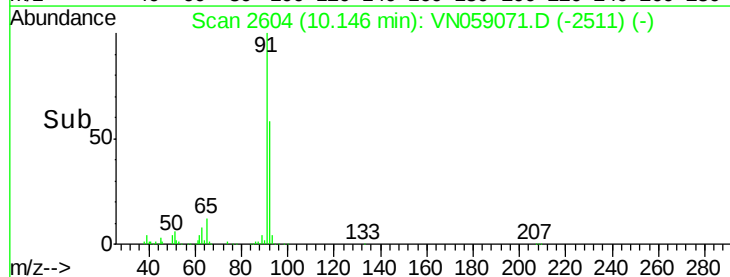
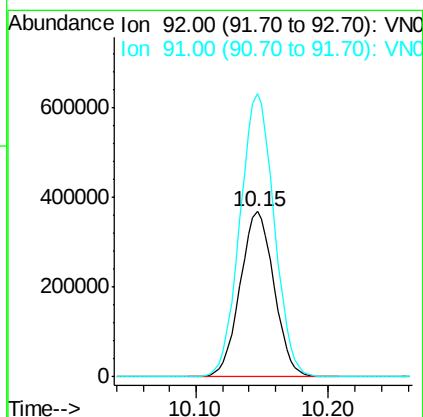
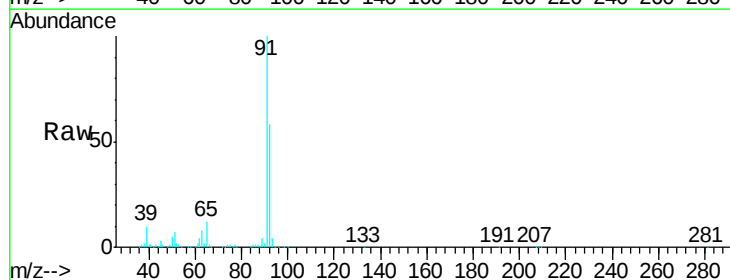
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

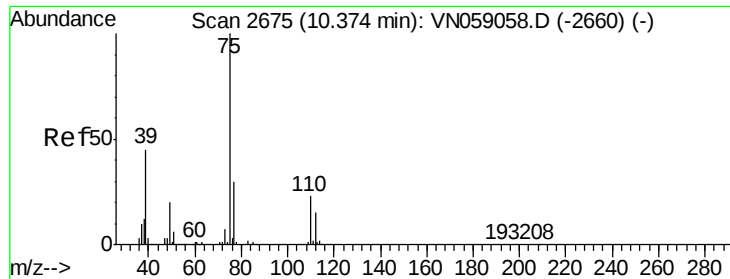
Tgt Ion: 43 Resp: 2027939
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.8 47.6



#52
 Toluene
 Concen: 51.312 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Tgt Ion: 92 Resp: 655861
 Ion Ratio Lower Upper
 92 100
 91 172.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 49.303 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

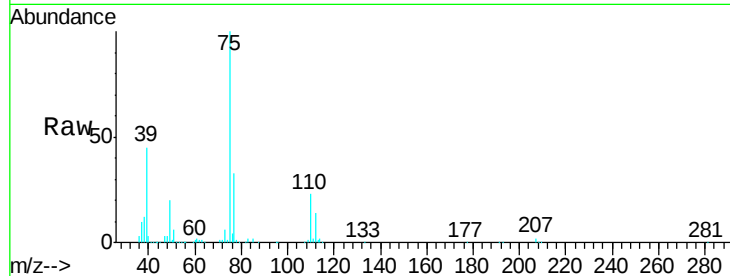
VSTDCCC050EC

Tgt Ion: 75 Resp: 420983

Ion Ratio Lower Upper

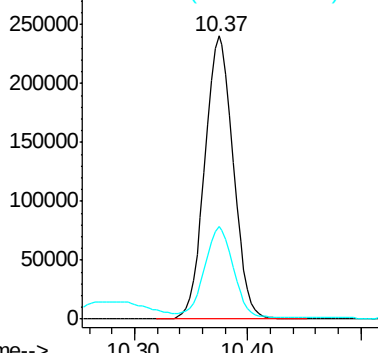
75 100

77 32.1 25.6 38.4

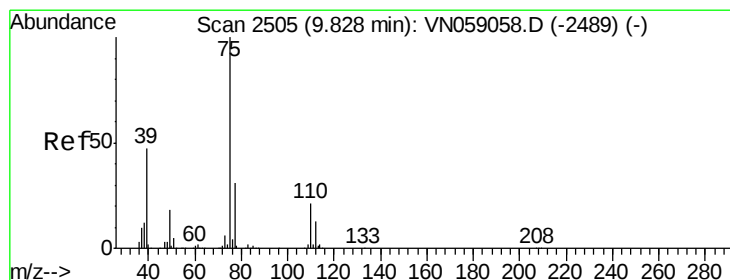
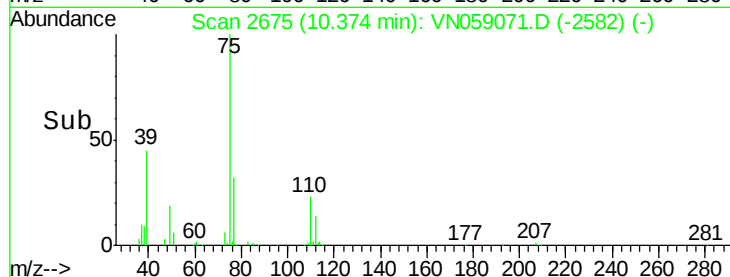


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.775 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

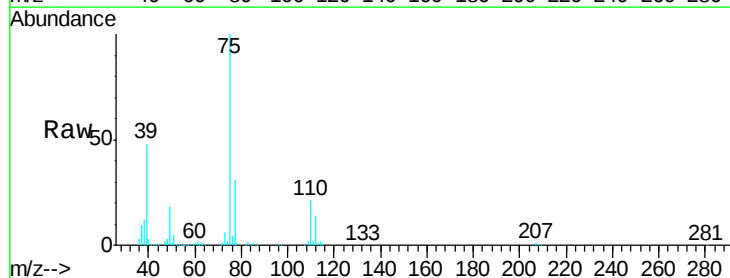
Tgt Ion: 75 Resp: 457300

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0

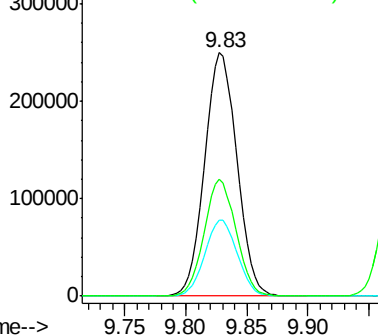
39 47.9 37.4 56.2



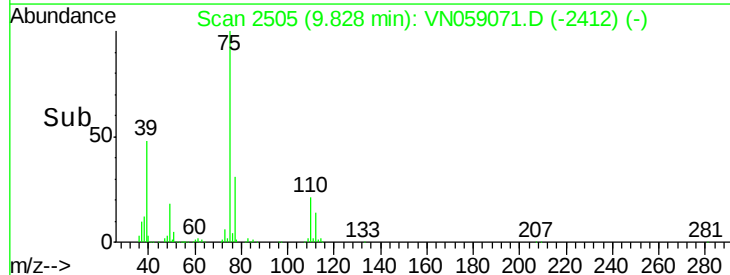
Abundance Ion 74.90 (74.60 to 75.60): VN0

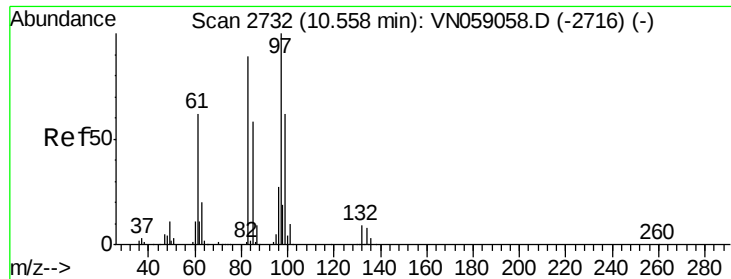
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

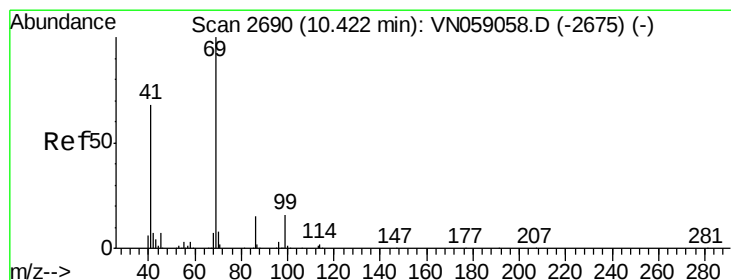
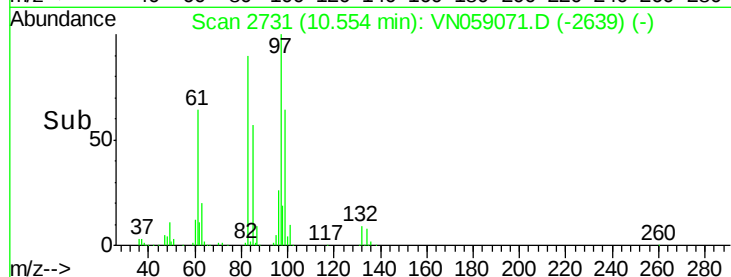
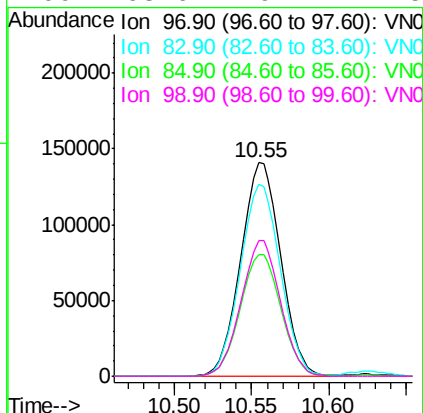
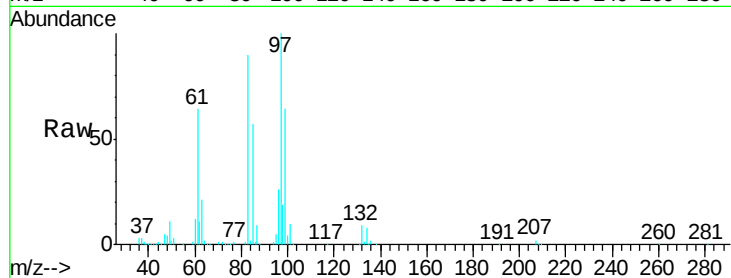




#55
 1,1,2-Trichloroethane
 Concen: 48.904 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

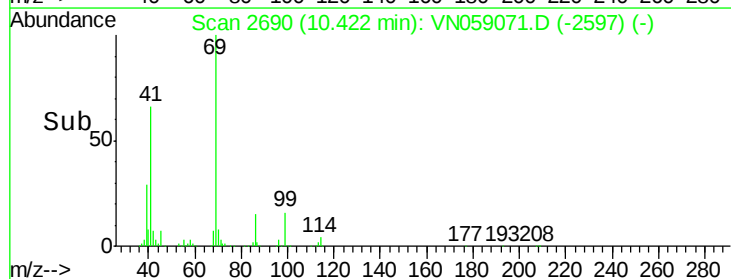
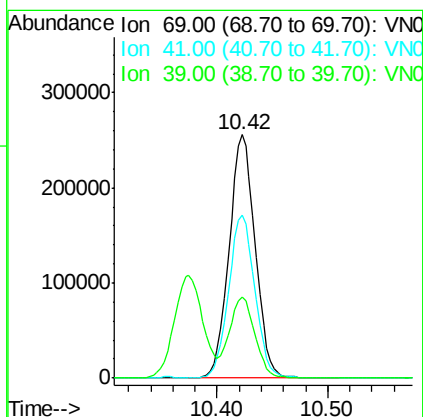
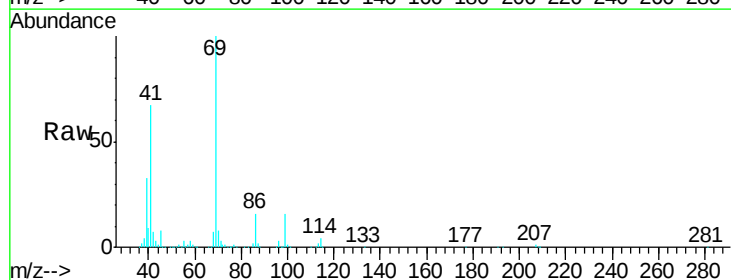
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

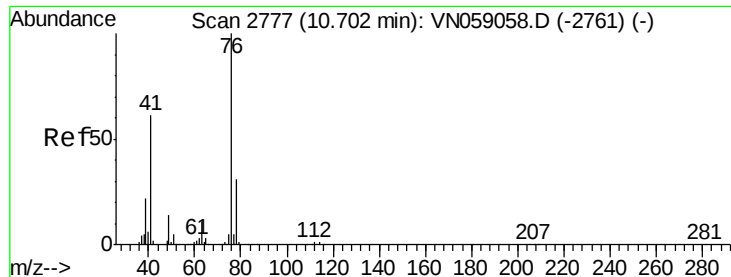
Tgt Ion: 97 Resp: 254629
 Ion Ratio Lower Upper
 97 100
 83 89.8 71.4 107.2
 85 57.0 46.6 70.0
 99 63.6 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 47.542 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Tgt Ion: 69 Resp: 419107
 Ion Ratio Lower Upper
 69 100
 41 66.9 53.8 80.8
 39 32.7 26.2 39.2





#57

1,3-Dichloropropane

Concen: 49.979 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

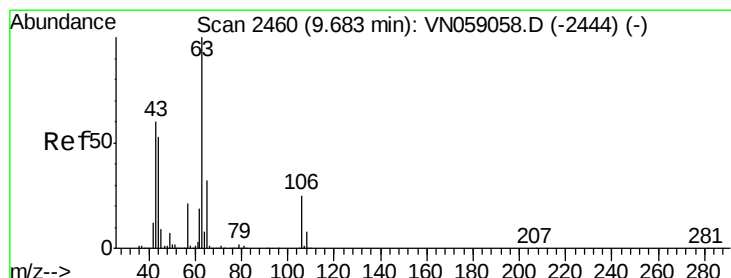
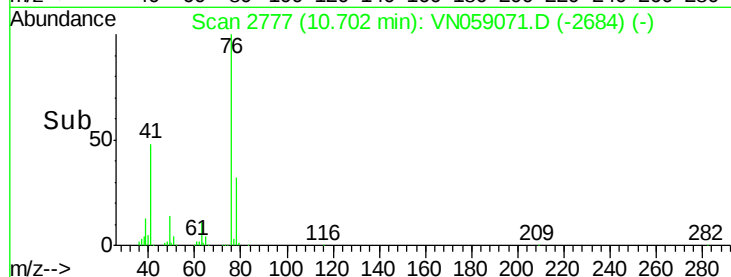
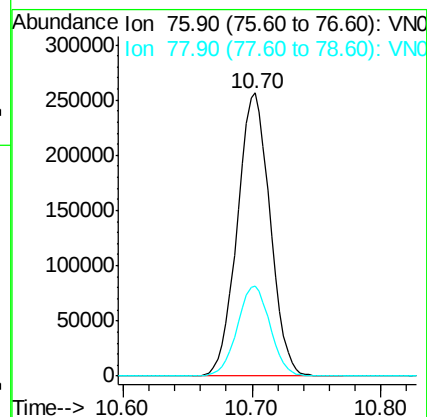
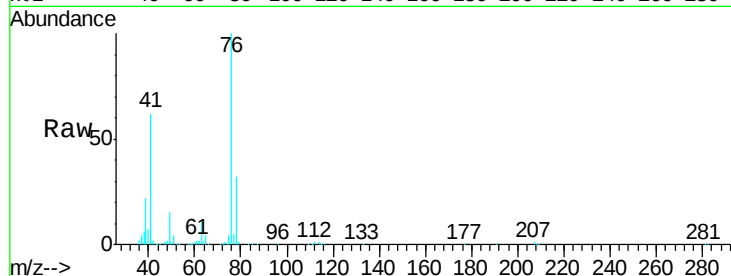
VSTDCCC050EC

Tgt Ion: 76 Resp: 452567

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 249.321 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059071.D

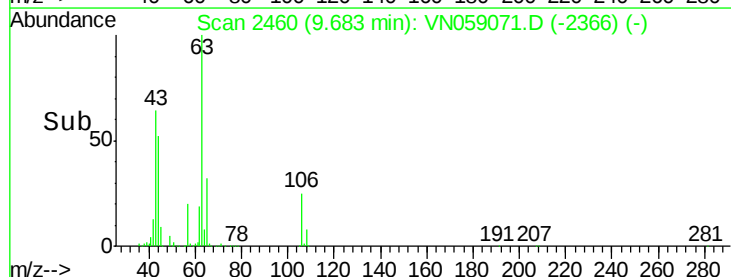
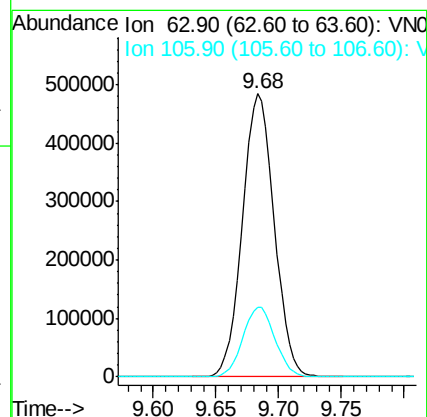
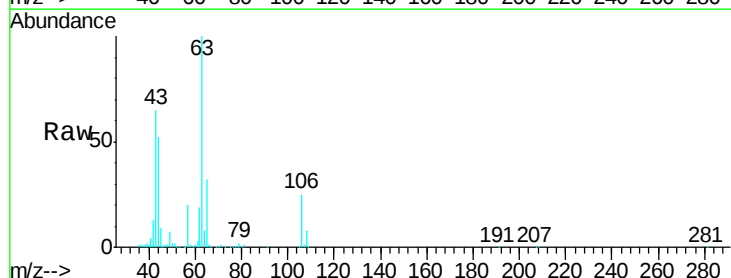
Acq: 1 Nov 2019 18:32

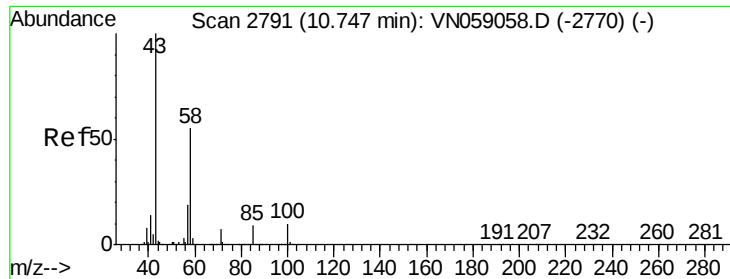
Tgt Ion: 63 Resp: 854224

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.6

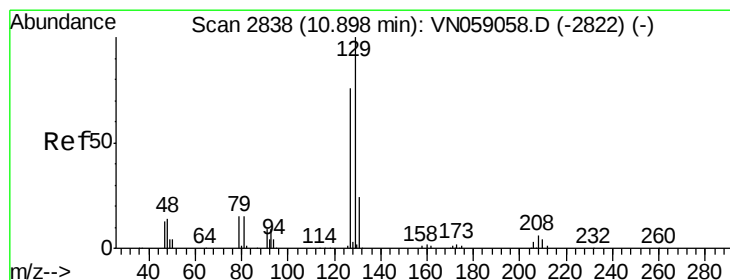
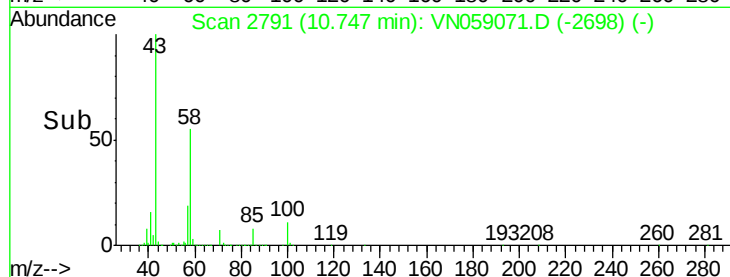
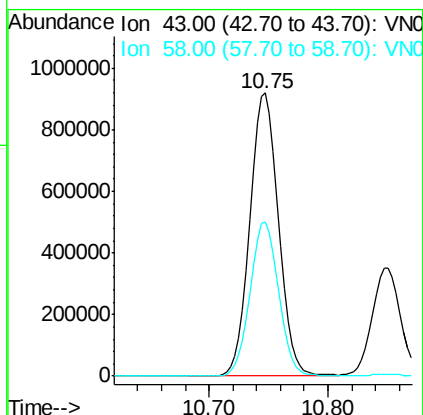
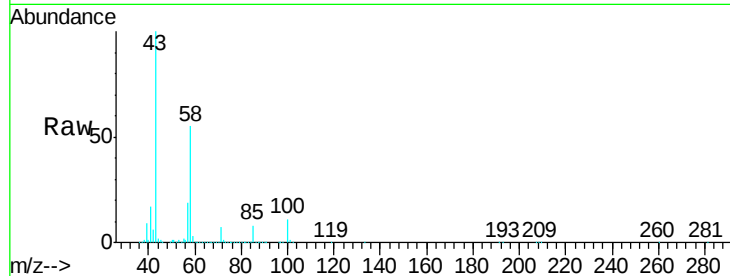




#59
2-Hexanone
Concen: 271.940 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

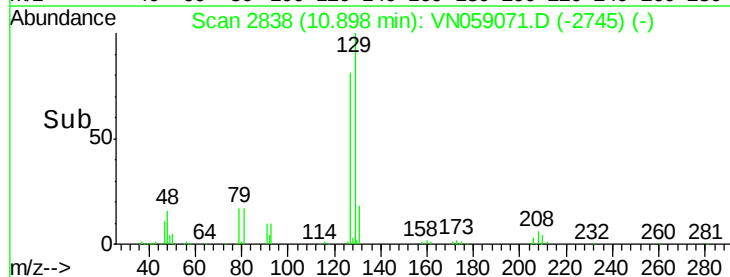
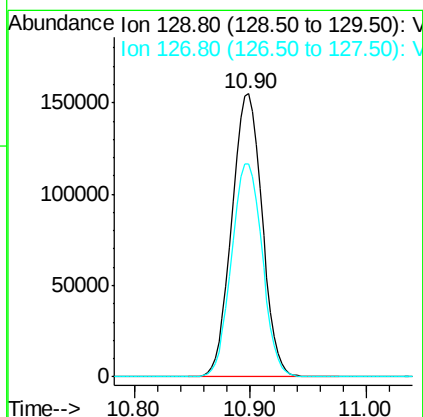
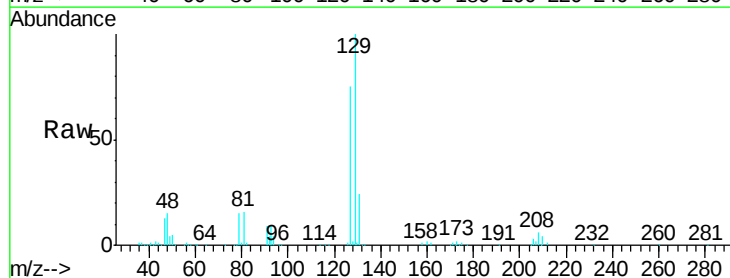
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

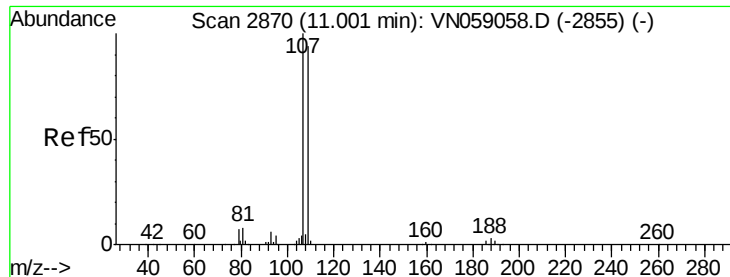
Tgt Ion: 43 Resp: 1532796
Ion Ratio Lower Upper
43 100
58 54.4 27.4 82.2



#60
Dibromochloromethane
Concen: 49.912 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 129 Resp: 280069
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.536 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

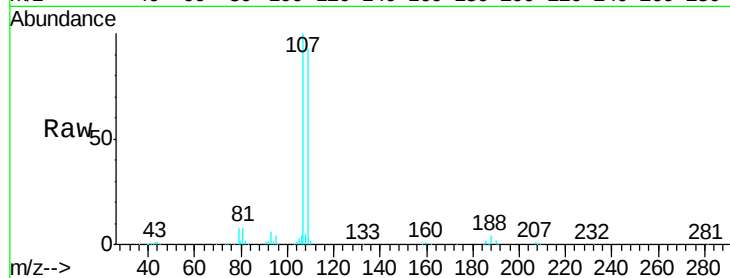
VSTDCCC050EC

Tgt Ion: 107 Resp: 266566

Ion Ratio Lower Upper

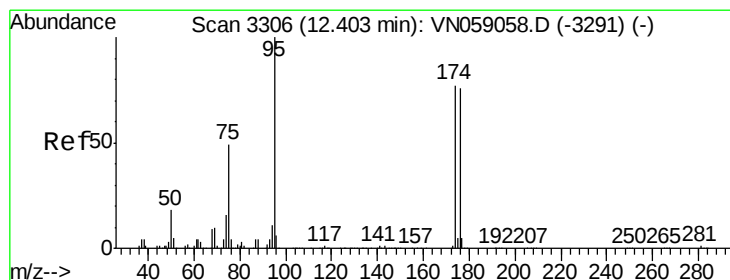
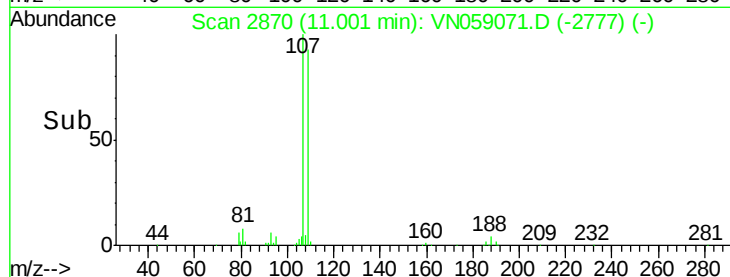
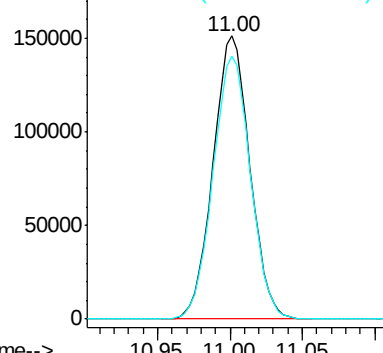
107 100

109 95.0 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.137 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

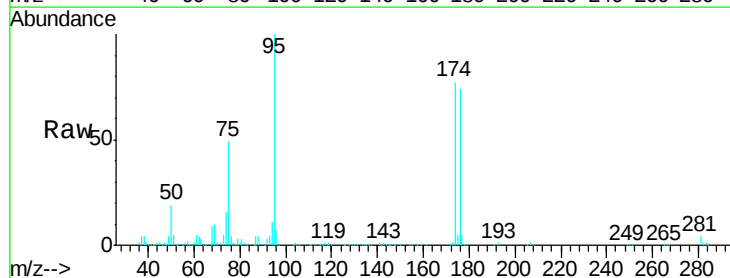
Tgt Ion: 95 Resp: 328107

Ion Ratio Lower Upper

95 100

174 77.8 0.0 155.8

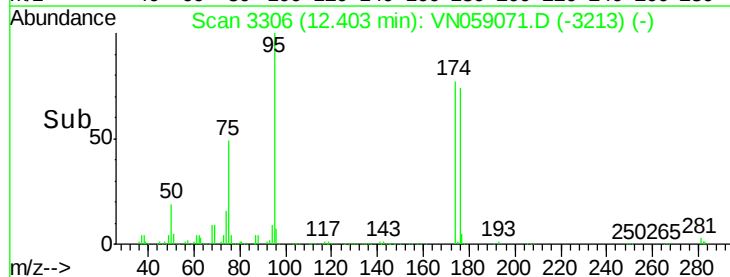
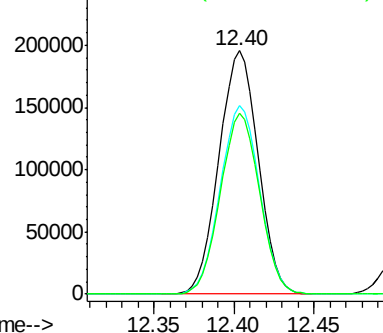
176 74.3 0.0 151.6

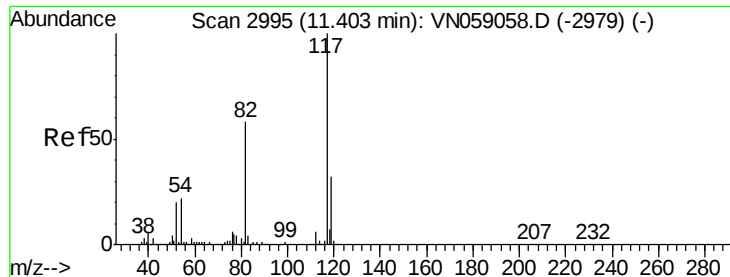


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

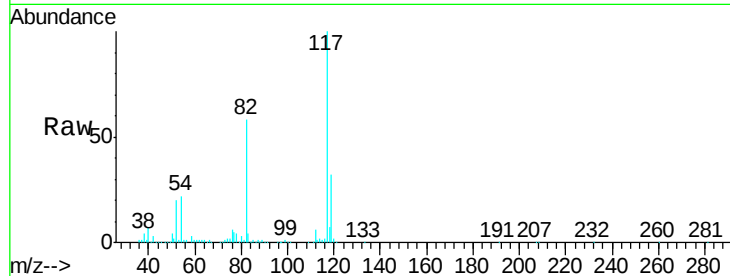
Tgt Ion:117 Resp: 679128

Ion Ratio Lower Upper

117 100

82 57.6 46.0 69.0

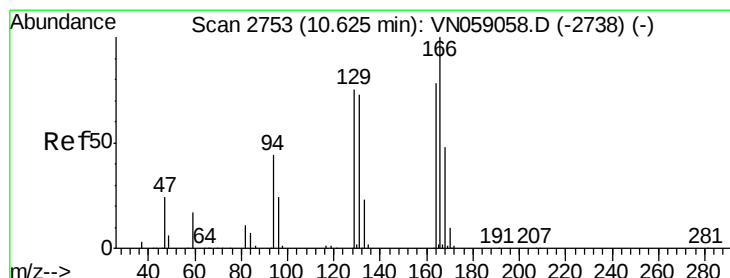
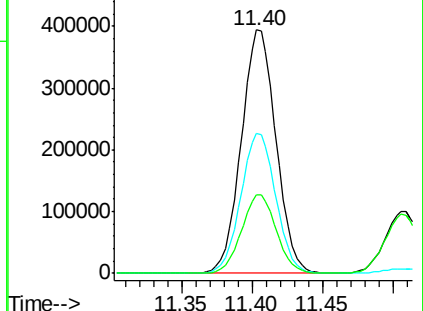
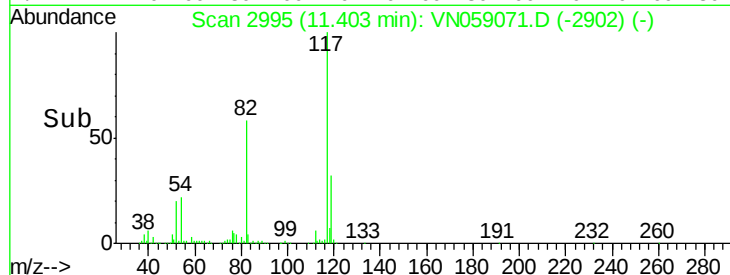
119 32.1 25.6 38.4



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: 48.742 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Tgt Ion:164 Resp: 231233

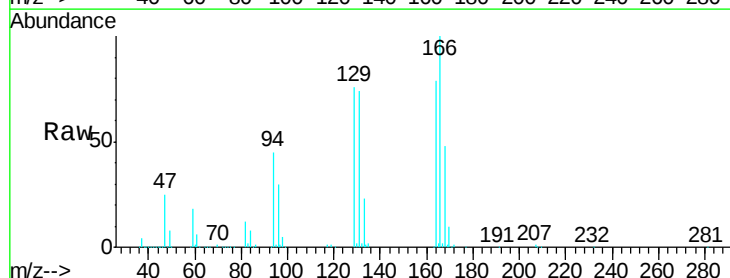
Ion Ratio Lower Upper

164 100

166 126.8 102.7 154.1

129 95.8 77.3 115.9

131 94.0 74.8 112.2

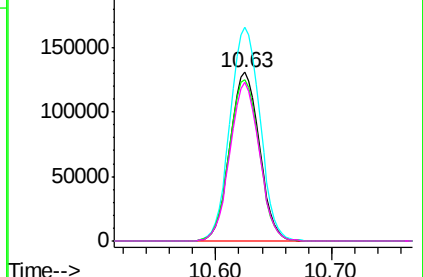
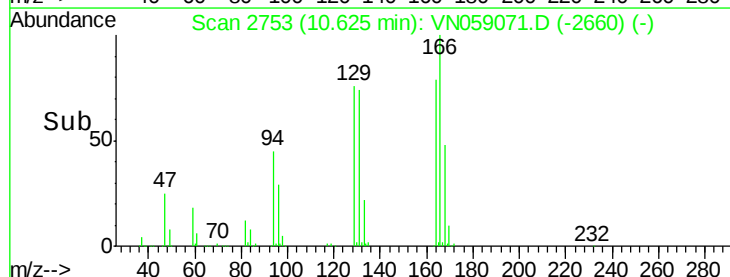


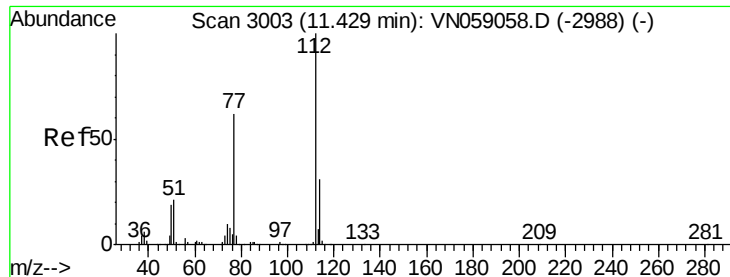
Abundance Ion 163.80 (163.50 to 164.50): V

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: 48.572 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

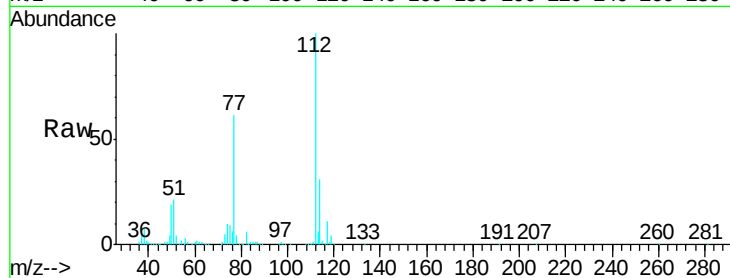
VSTDCCC050EC

Tgt Ion:112 Resp: 677025

Ion Ratio Lower Upper

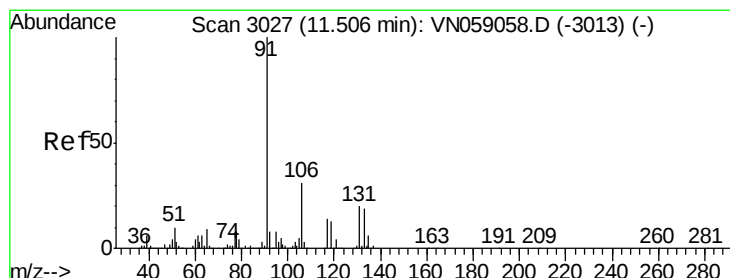
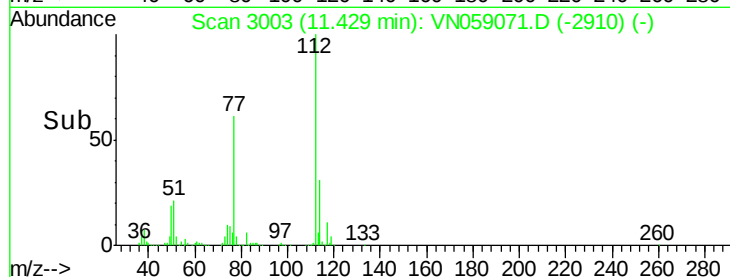
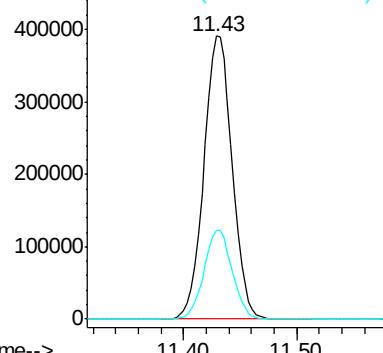
112 100

114 31.5 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.173 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

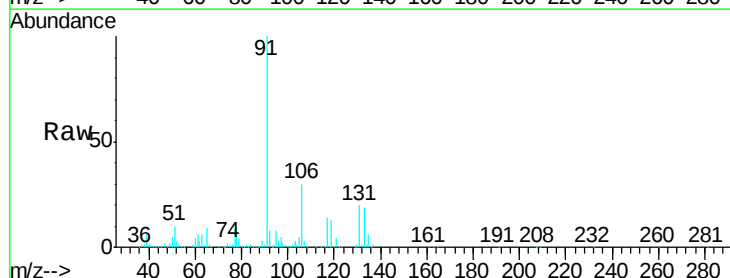
Tgt Ion:131 Resp: 252164

Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.6

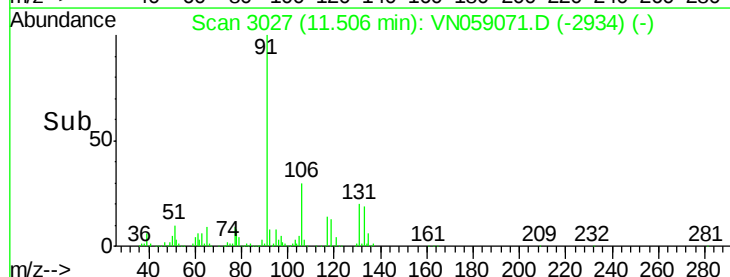
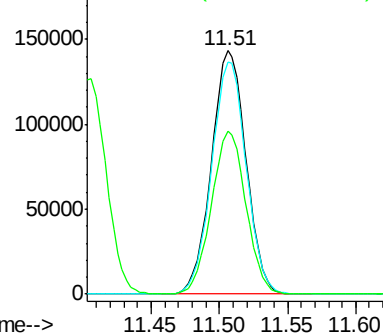
119 66.9 33.5 100.5

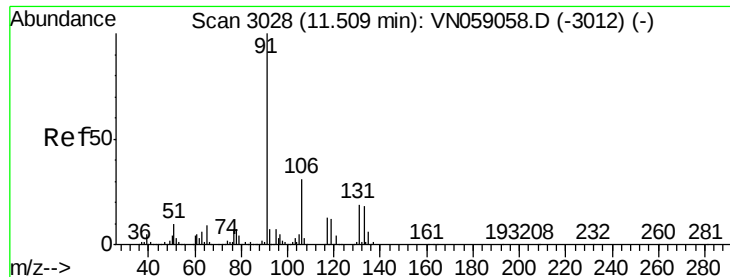


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.938 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

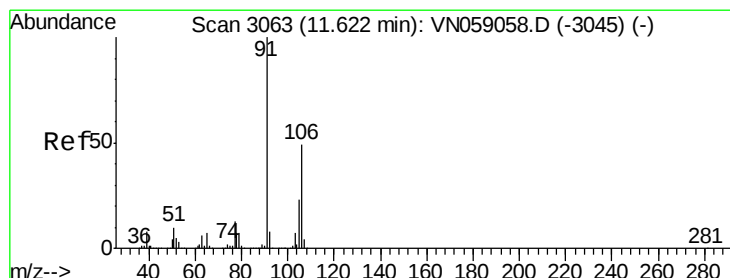
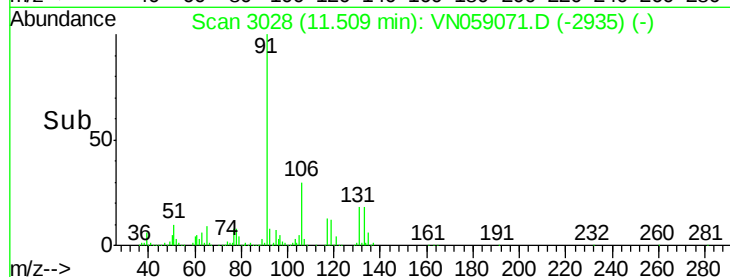
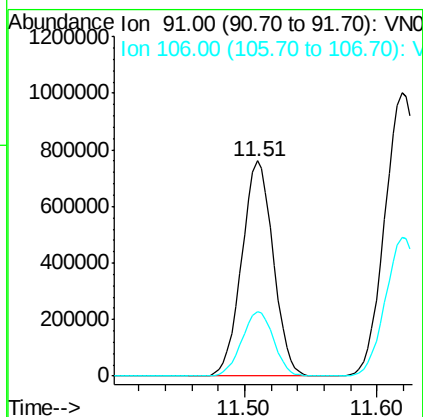
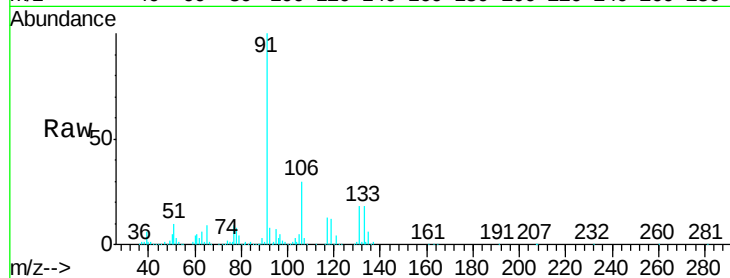
VSTDCCC050EC

Tgt Ion: 91 Resp: 1253201

Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8



#68

m/p-Xylenes

Concen: 103.310 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059071.D

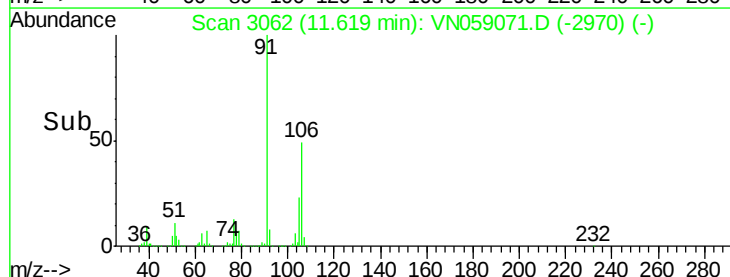
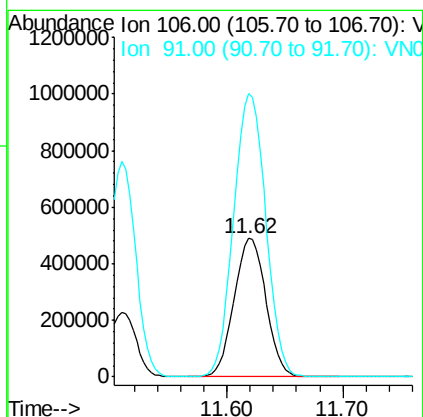
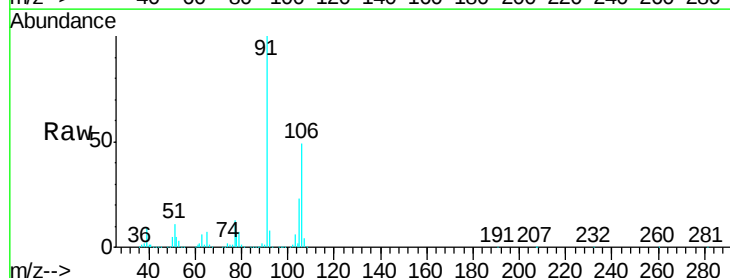
Acq: 1 Nov 2019 18:32

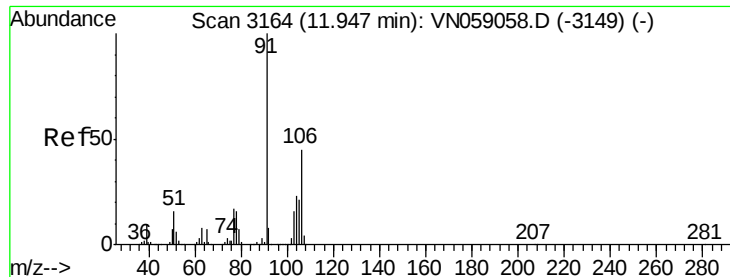
Tgt Ion: 106 Resp: 930822

Ion Ratio Lower Upper

106 100

91 207.2 165.7 248.5

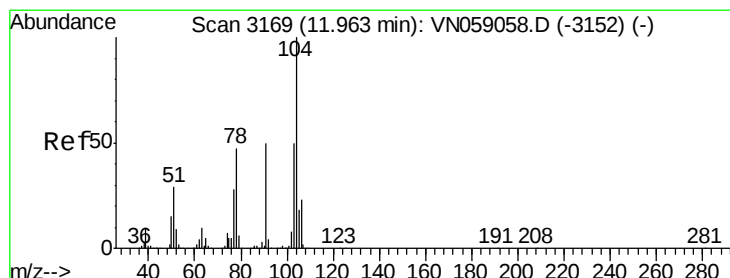
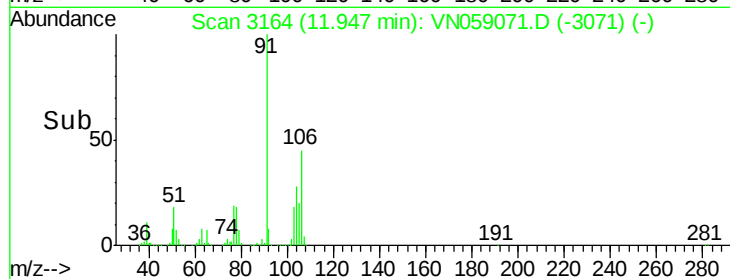
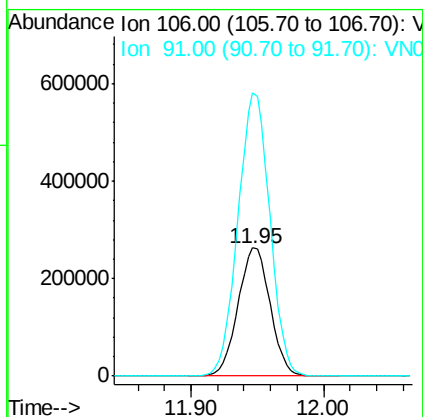
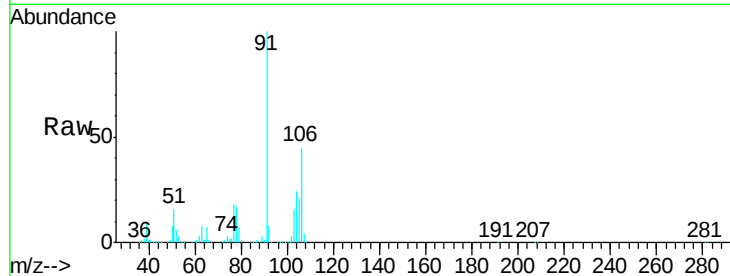




#69
o-Xylene
Concen: 51.326 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

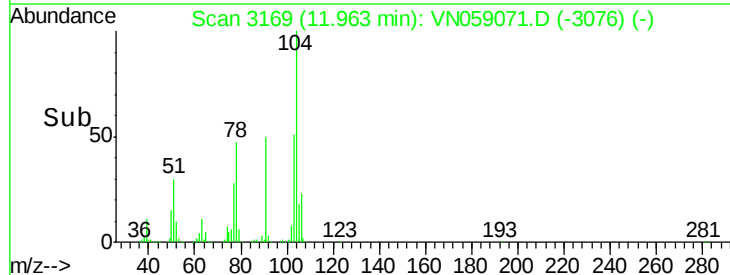
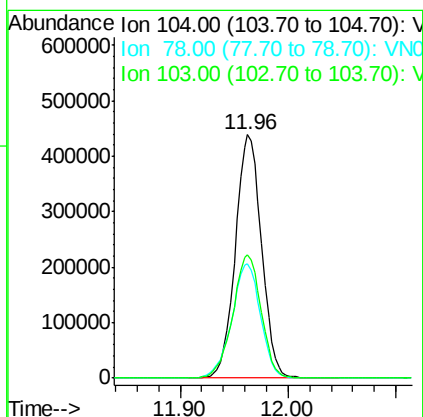
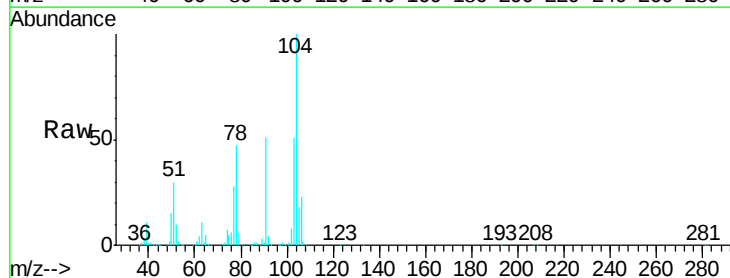
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

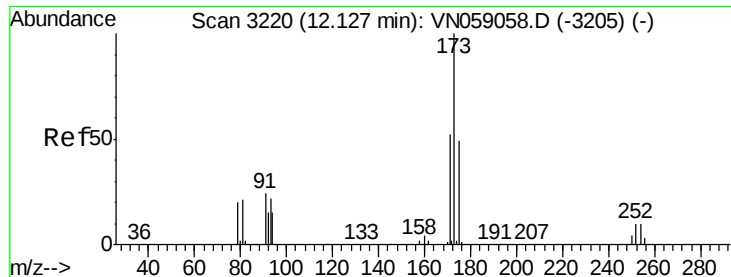
Tgt Ion:106 Resp: 441592
Ion Ratio Lower Upper
106 100
91 219.8 110.4 331.2



#70
Styrene
Concen: 53.271 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion:104 Resp: 742721
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 50.974 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

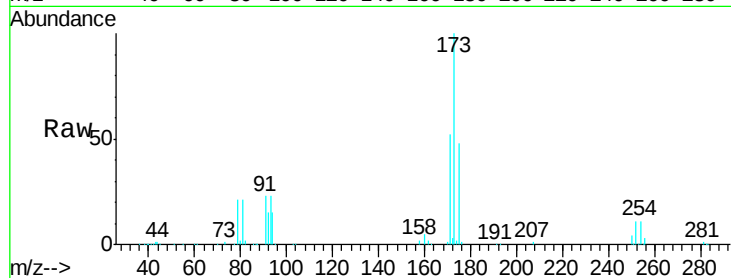
Tgt Ion:173 Resp: 202332

Ion Ratio Lower Upper

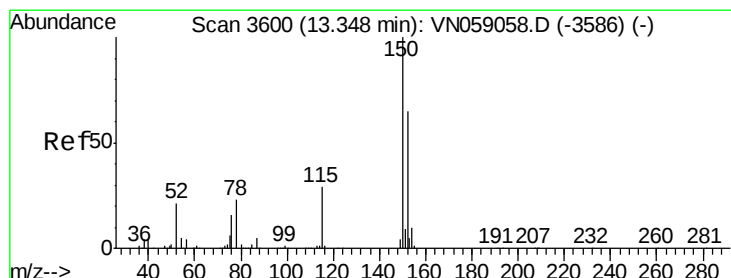
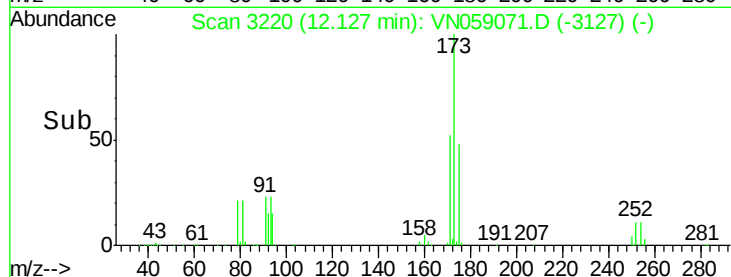
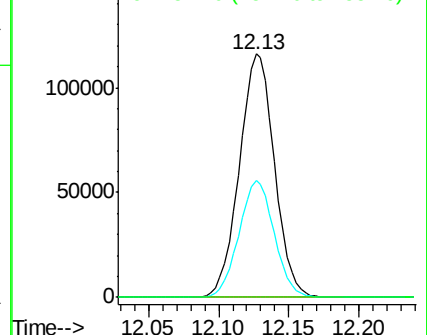
173 100

175 48.1 24.4 73.2

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: VN059071.D

Acq: 1 Nov 2019 18:32

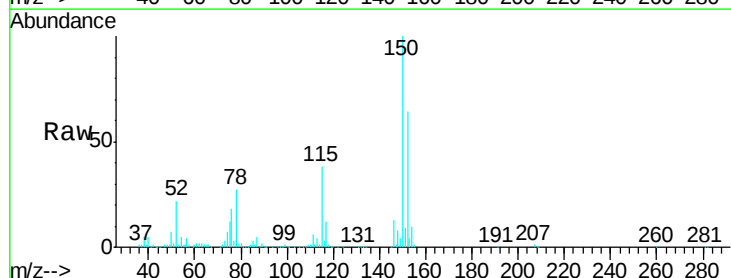
Tgt Ion:152 Resp: 327576

Ion Ratio Lower Upper

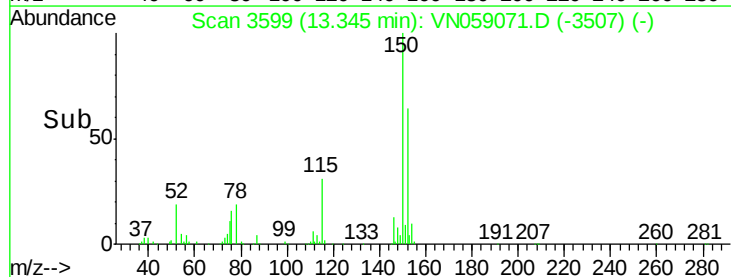
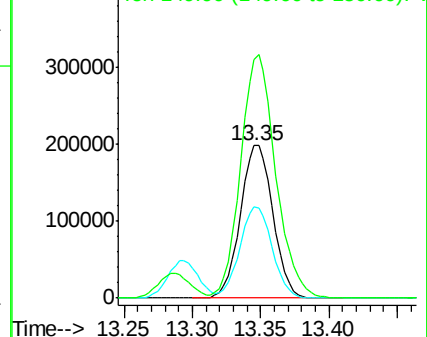
152 100

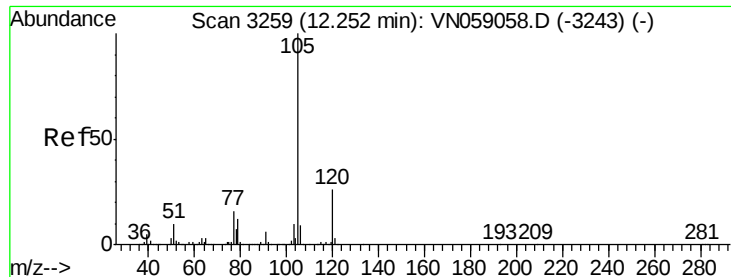
115 59.6 29.6 88.9

150 172.2 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.048 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

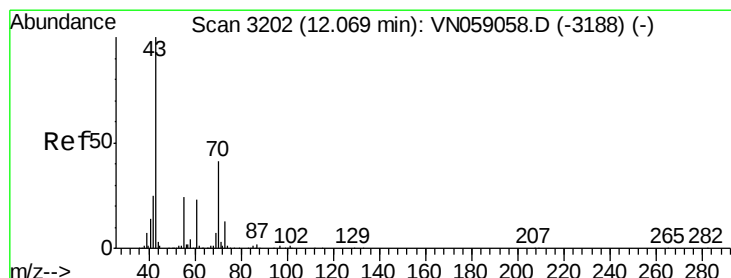
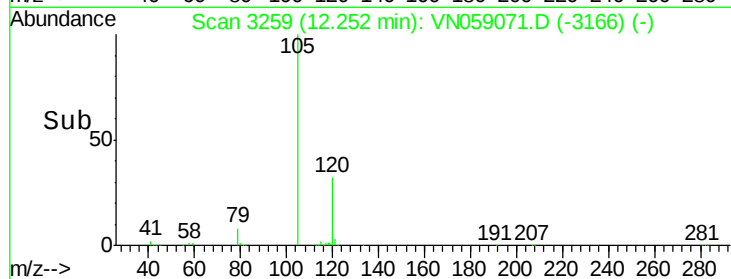
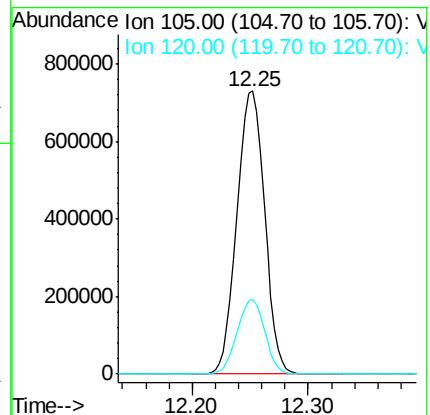
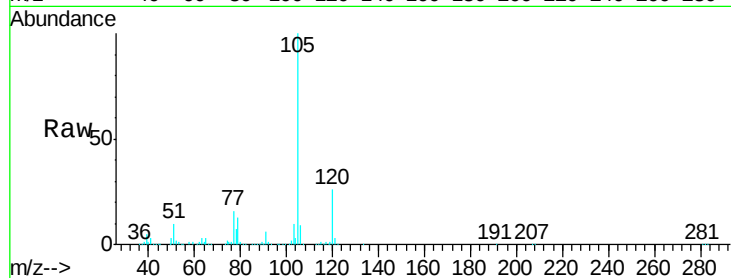
VSTDCCC050EC

Tgt Ion: 105 Resp: 1206112

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 51.394 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Tgt Ion: 43 Resp: 550946

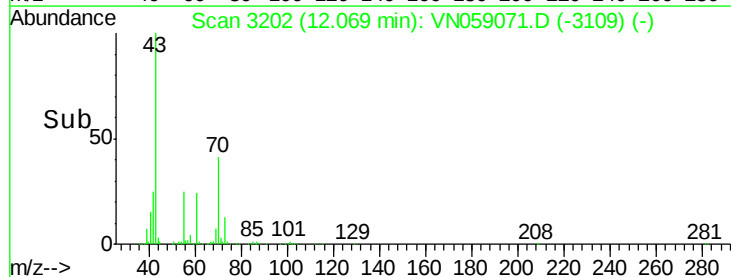
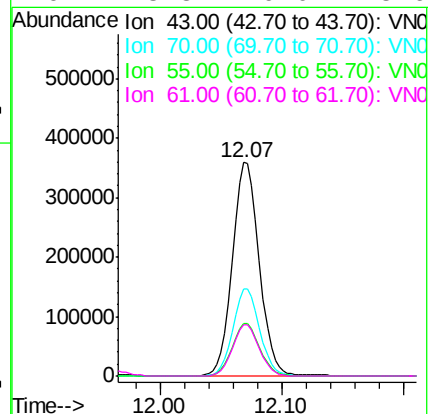
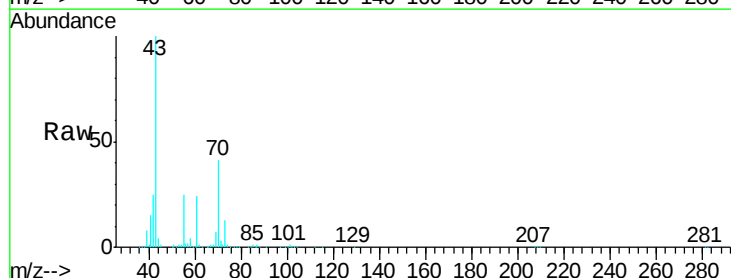
Ion Ratio Lower Upper

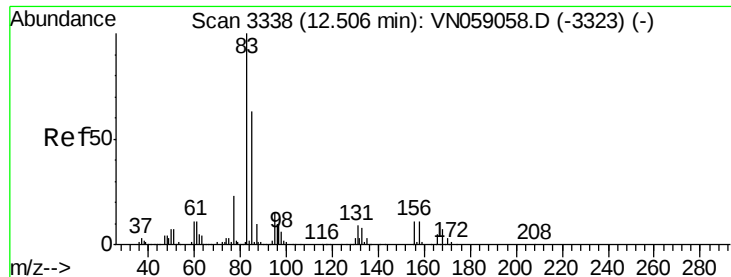
43 100

70 40.8 32.6 49.0

55 25.2 19.7 29.5

61 23.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.187 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

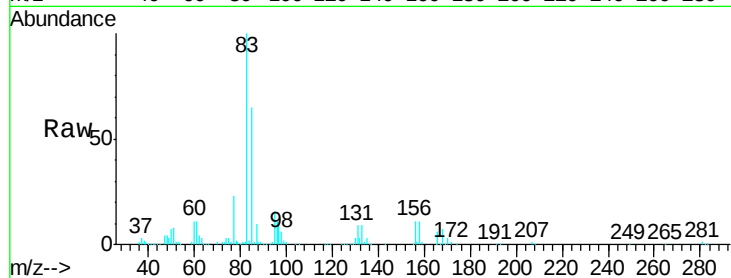
Tgt Ion: 83 Resp: 396489

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

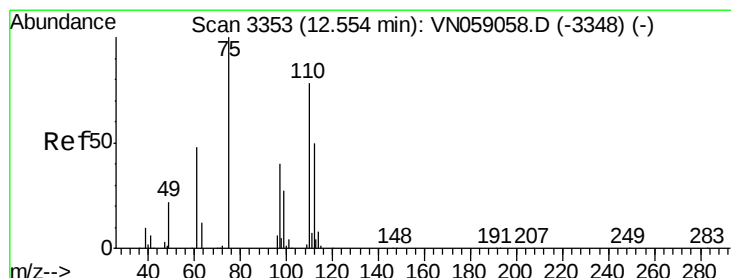
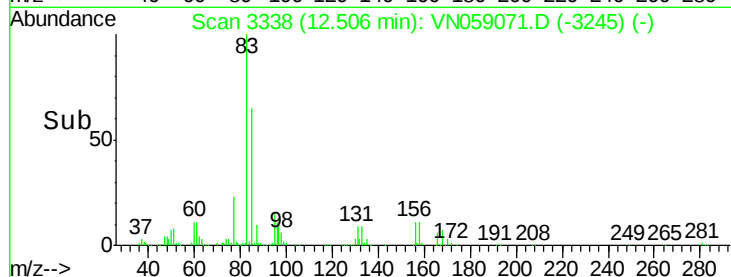
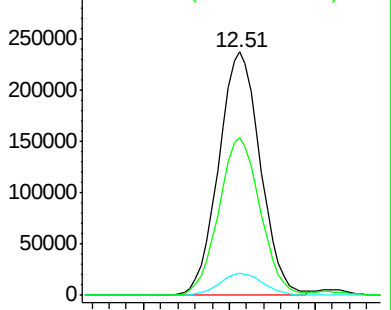
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 68.877 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059071.D

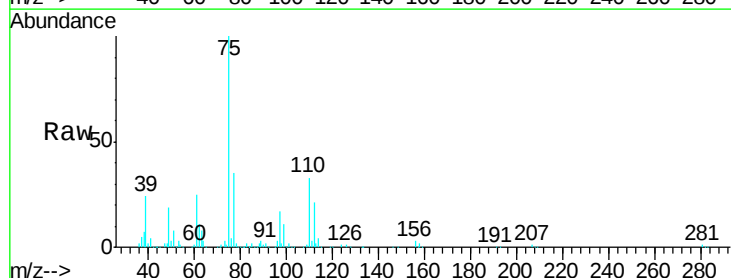
Acq: 1 Nov 2019 18:32

Tgt Ion: 75 Resp: 533921

Ion Ratio Lower Upper

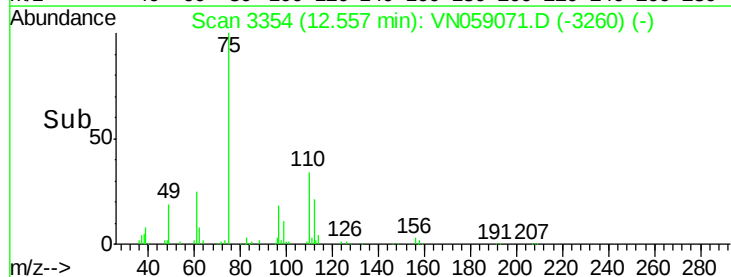
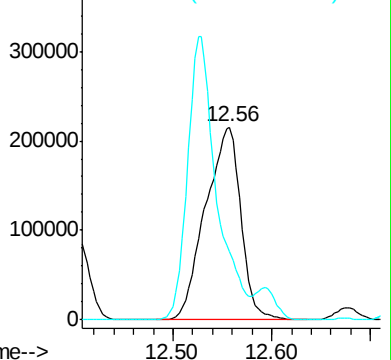
75 100

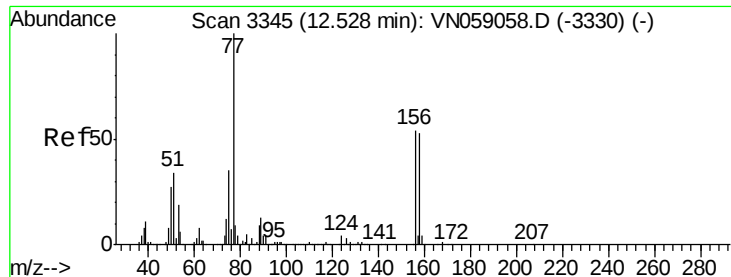
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.732 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

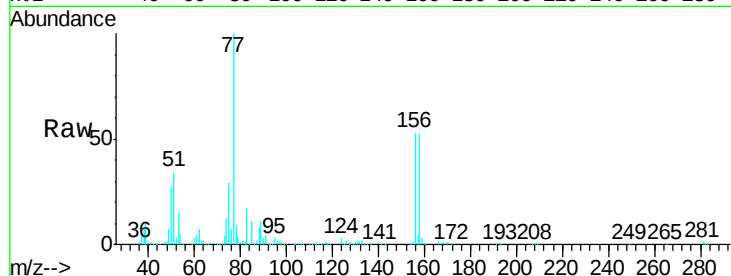
Tgt Ion:156 Resp: 287617

Ion Ratio Lower Upper

156 100

77 226.8 114.2 342.6

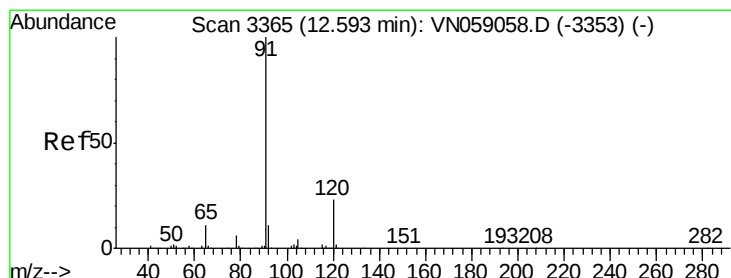
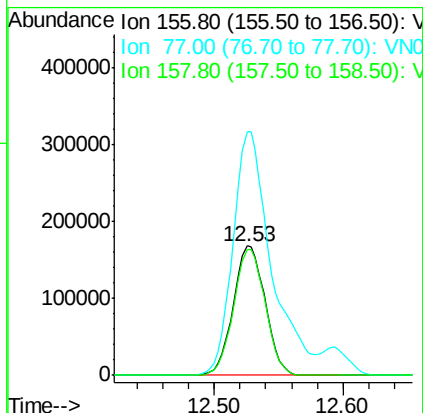
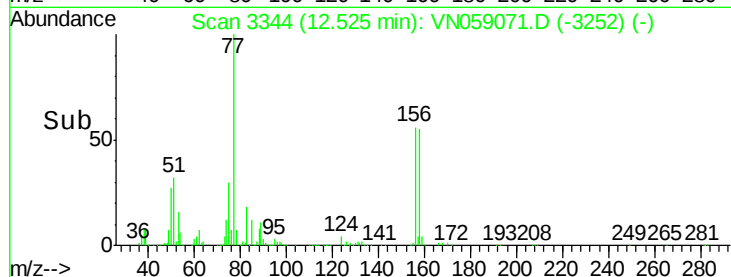
158 96.9 49.6 149.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.869 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN059071.D

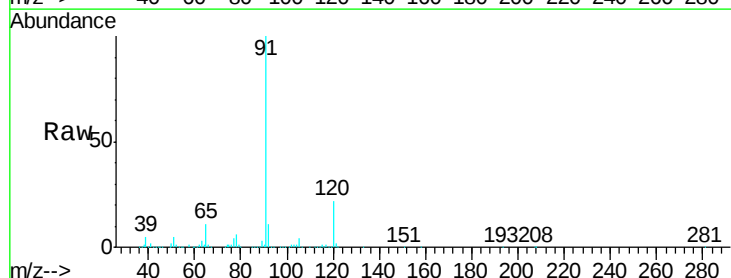
Acq: 1 Nov 2019 18:32

Tgt Ion: 91 Resp: 1419818

Ion Ratio Lower Upper

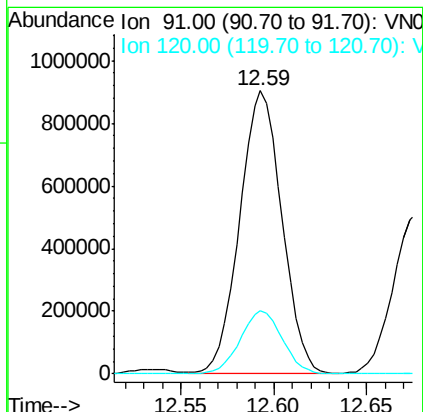
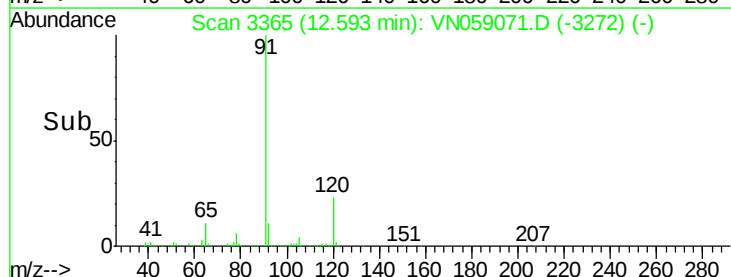
91 100

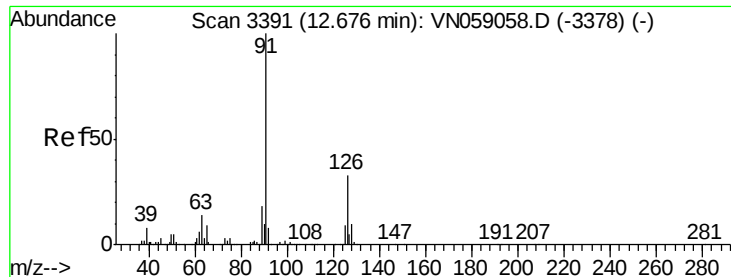
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.383 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

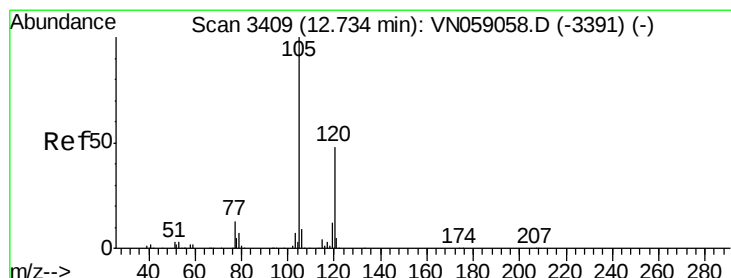
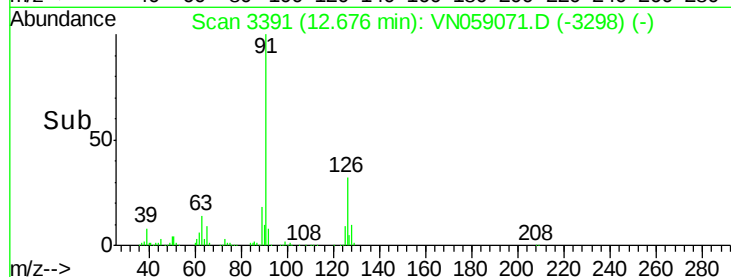
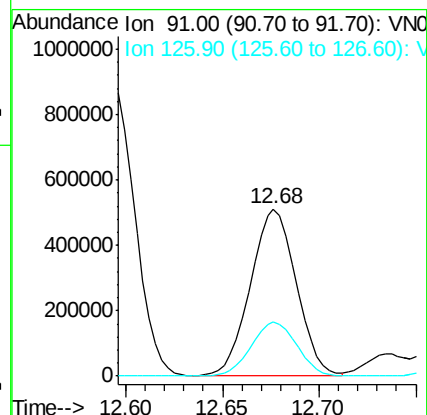
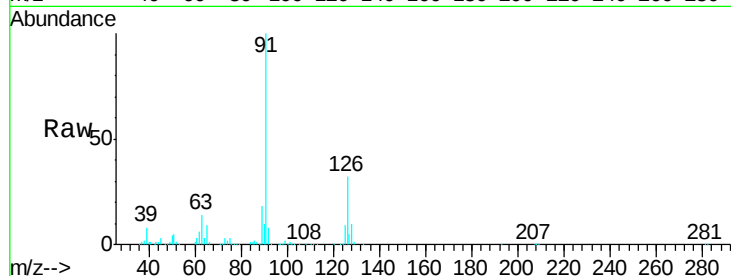
VSTDCCC050EC

Tgt Ion: 91 Resp: 838518

Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 50.393 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059071.D

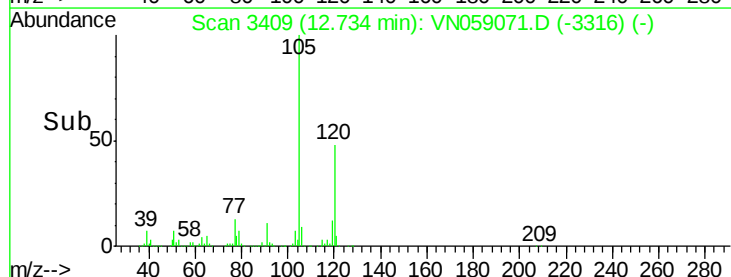
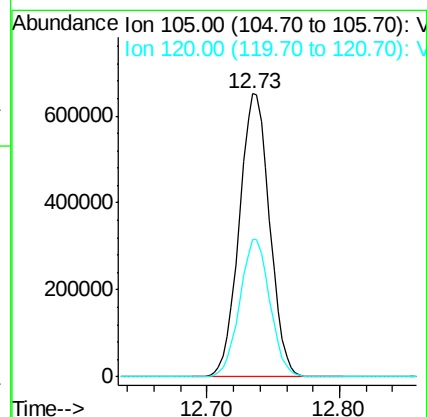
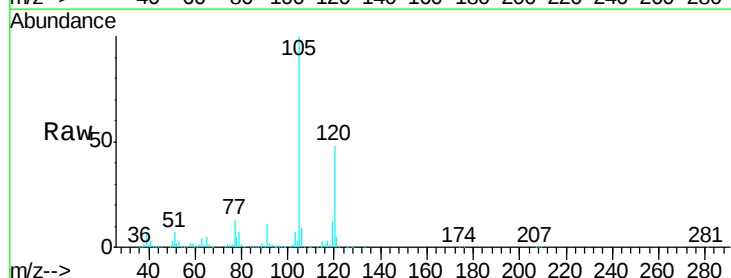
Acq: 1 Nov 2019 18:32

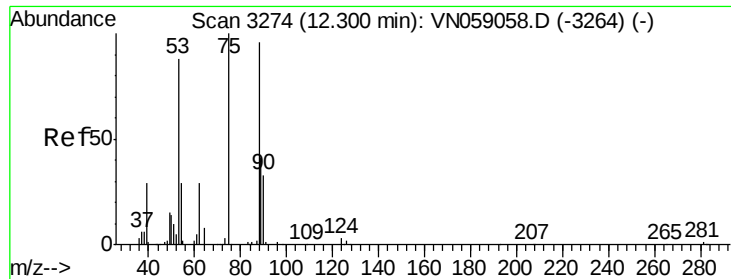
Tgt Ion: 105 Resp: 1032129

Ion Ratio Lower Upper

105 100

120 48.4 24.2 72.6

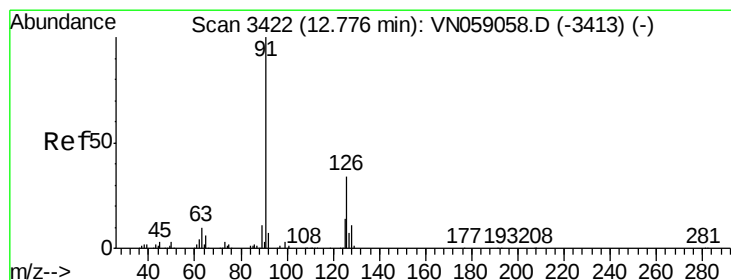
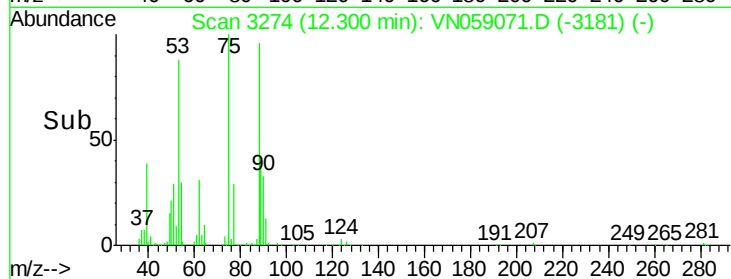
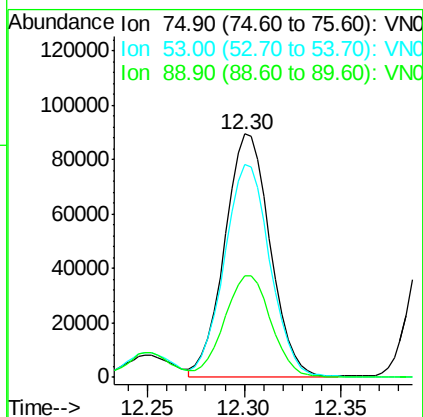
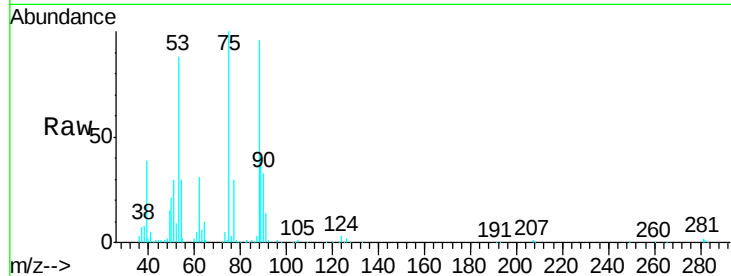




#81
trans-1,4-Dichloro-2-butene
Concen: 48.416 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

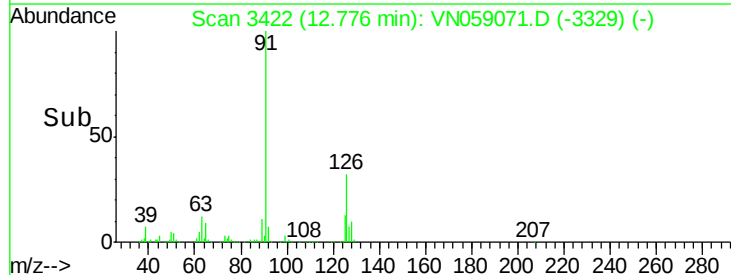
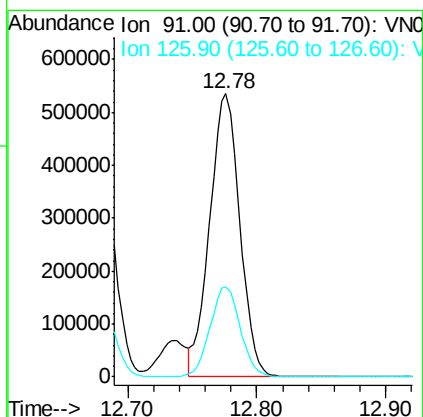
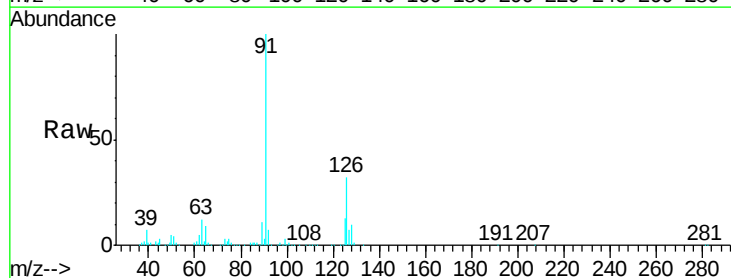
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

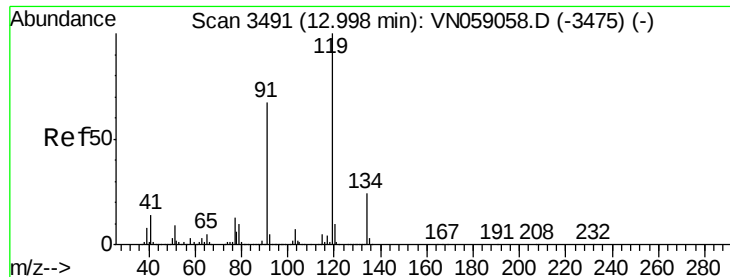
Tgt Ion: 75 Resp: 146406
Ion Ratio Lower Upper
75 100
53 87.7 70.4 105.6
89 43.1 34.2 51.2



#82
4-Chlorotoluene
Concen: 48.972 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 91 Resp: 866199
Ion Ratio Lower Upper
91 100
126 31.9 16.0 47.9

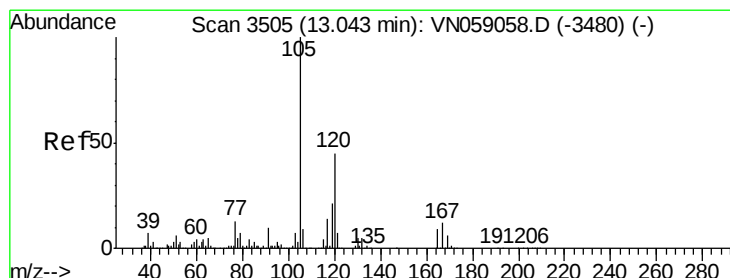
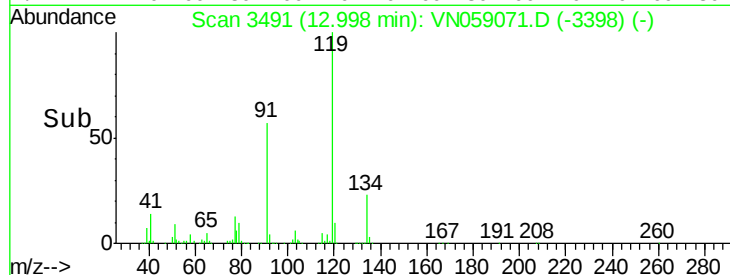
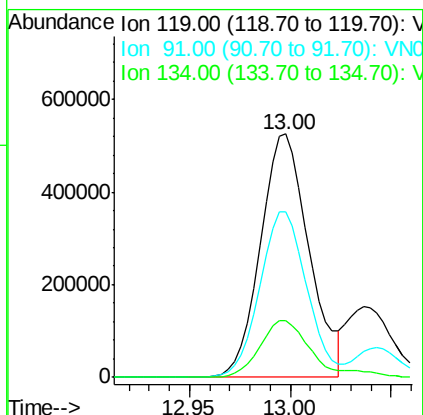
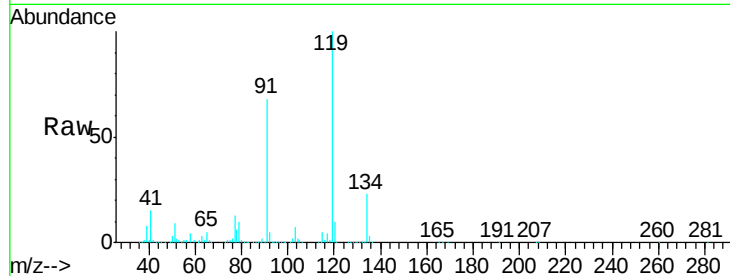




#83
 tert-Butylbenzene
 Concen: 50.476 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

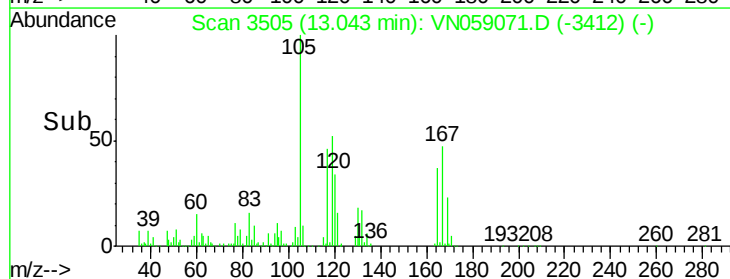
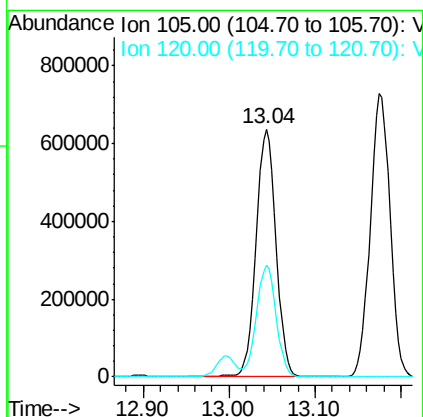
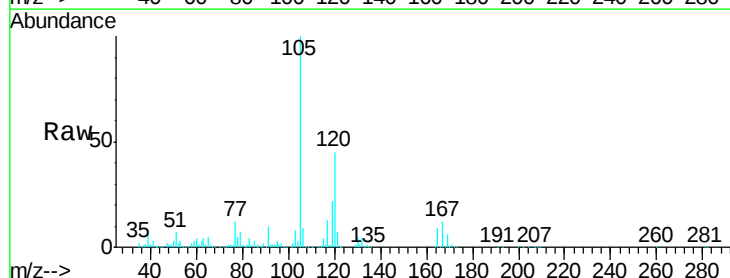
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

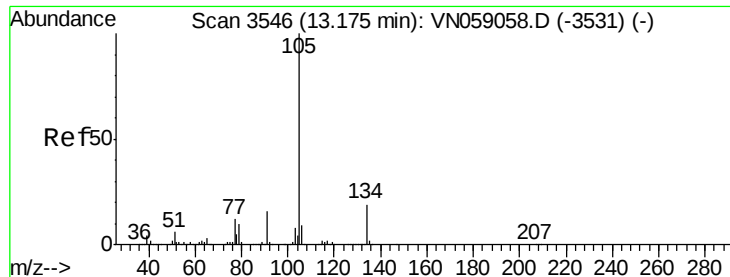
Tgt Ion:119 Resp: 878211
 Ion Ratio Lower Upper
 119 100
 91 65.8 33.7 101.0
 134 23.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.632 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Tgt Ion:105 Resp: 1027548
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.9

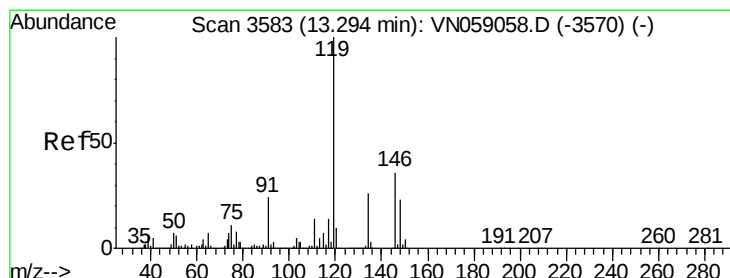
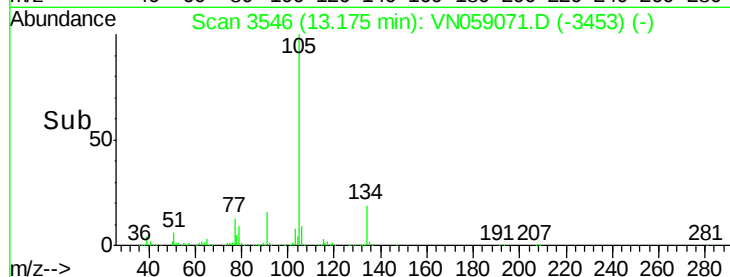
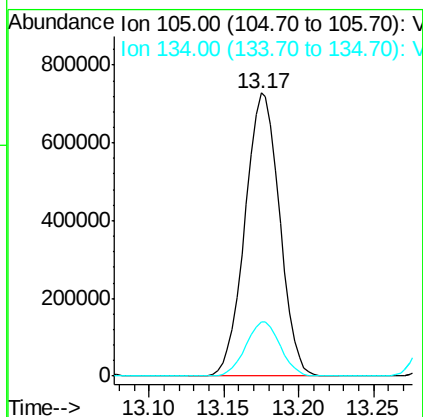
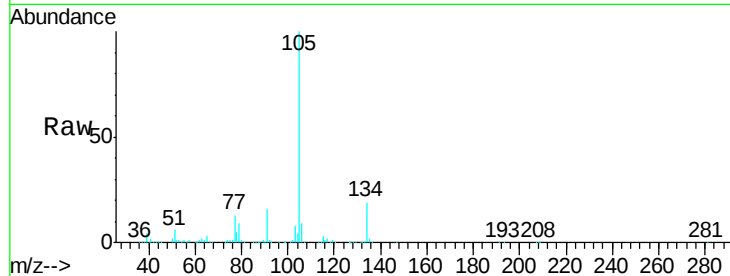




#85
 sec-Butylbenzene
 Concen: 51.322 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

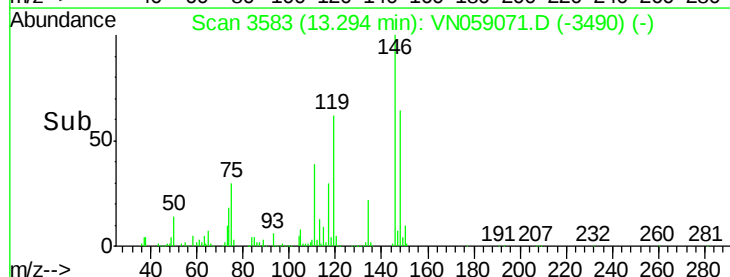
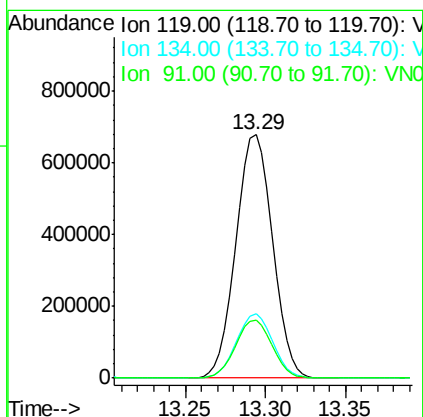
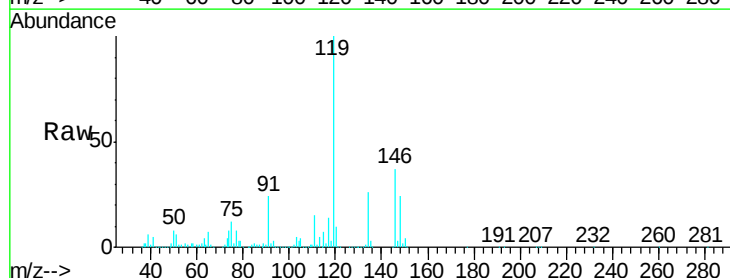
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

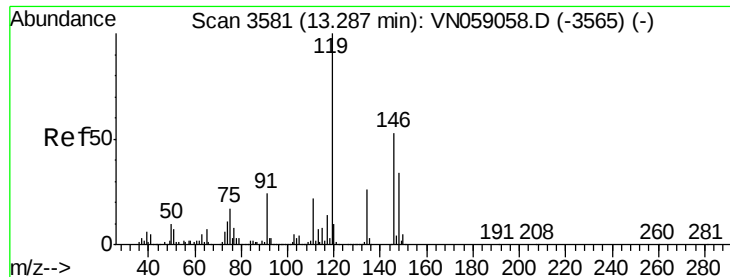
Tgt Ion:105 Resp: 1170303
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 51.348 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Tgt Ion:119 Resp: 1055618
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 23.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 48.276 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

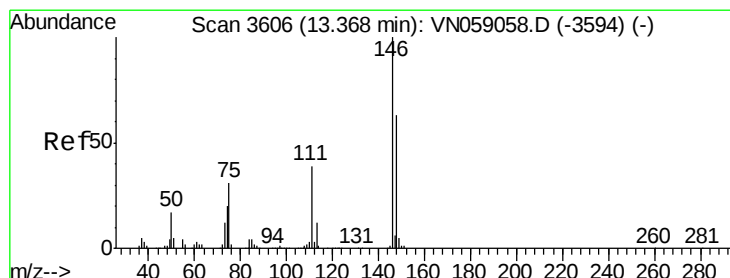
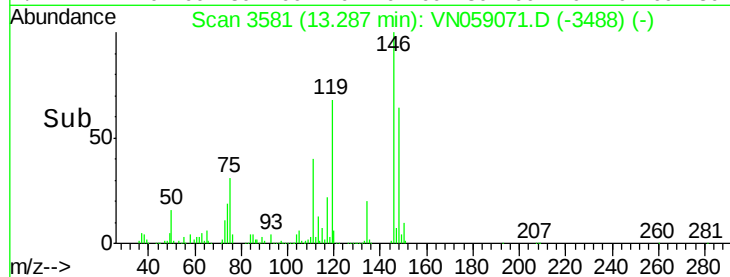
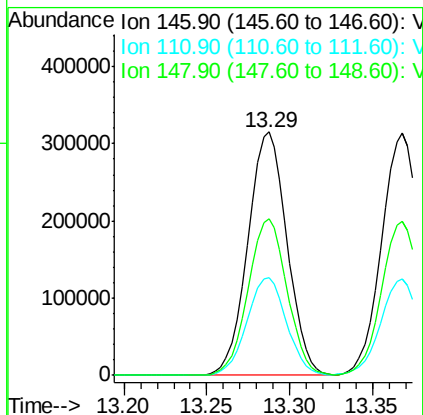
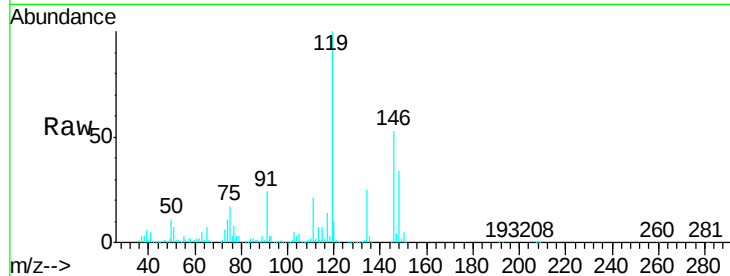
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	516848
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.5
148	63.9	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 47.873 ug/l

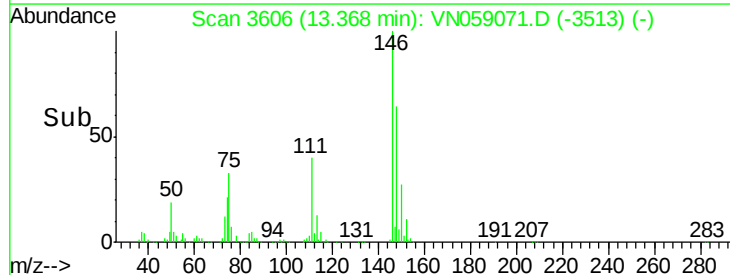
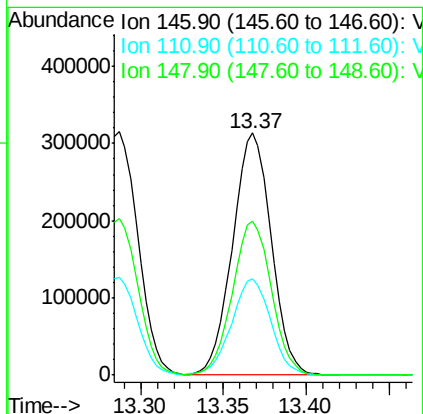
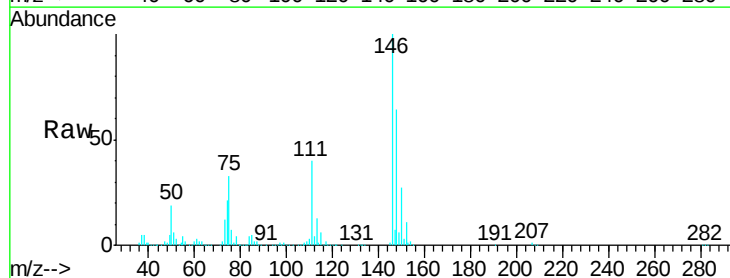
RT: 13.37 min Scan# 3606

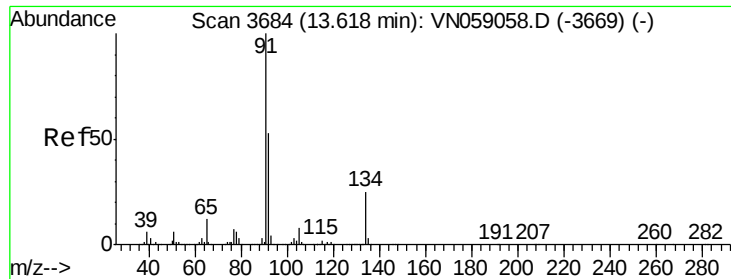
Delta R.T. 0.00 min

Lab File: VN059071.D

Acq: 1 Nov 2019 18:32

Tgt Ion:	146	Resp:	506991
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	64.1	31.9	95.7

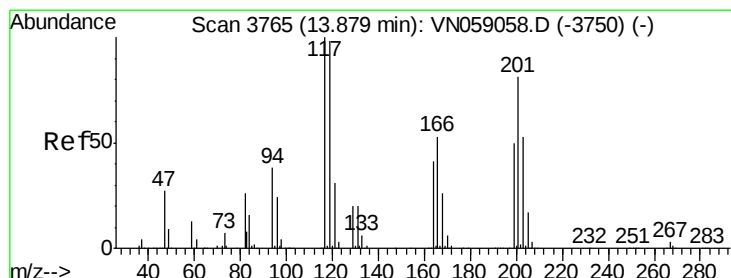
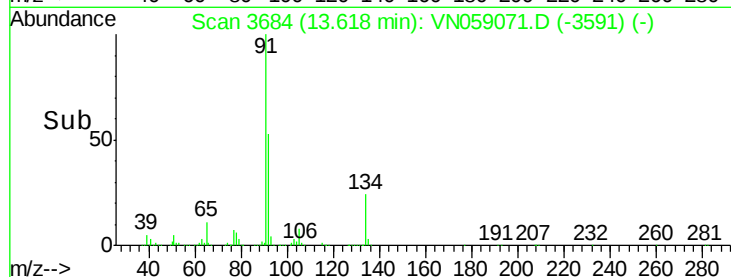
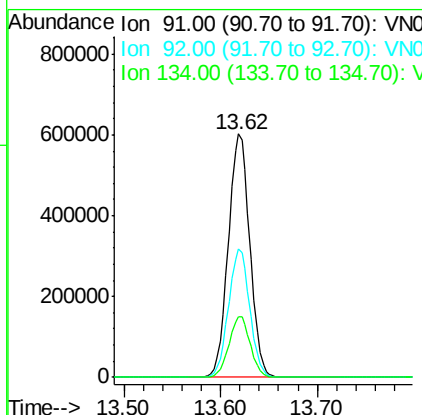
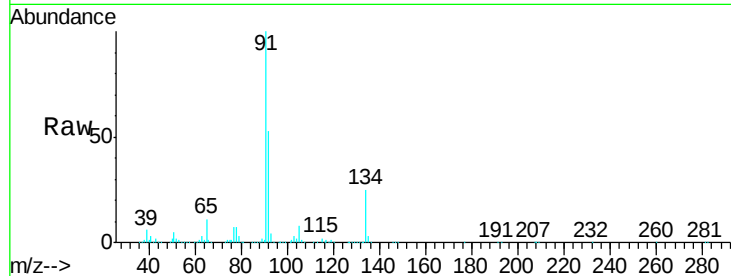




#89
n-Butylbenzene
Concen: 51.813 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

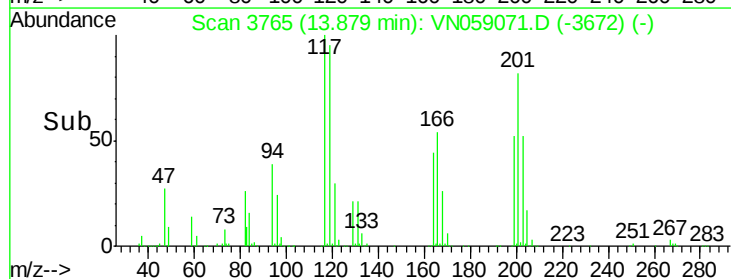
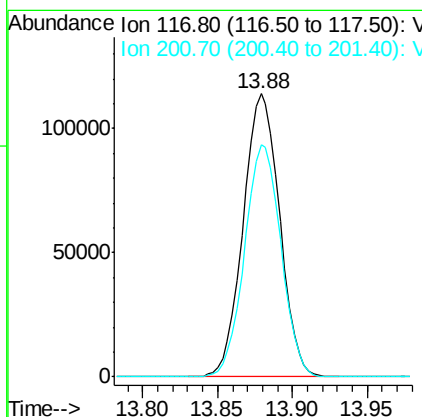
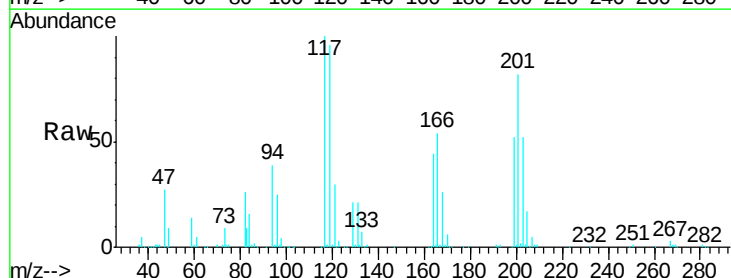
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

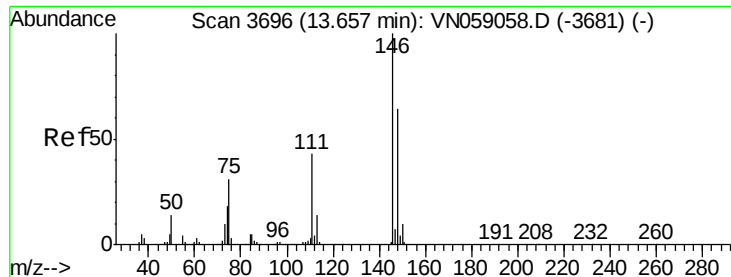
Tgt Ion: 91 Resp: 928142
Ion Ratio Lower Upper
91 100
92 52.0 26.4 79.0
134 24.7 12.5 37.5



#90
Hexachloroethane
Concen: 47.337 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion: 117 Resp: 193447
Ion Ratio Lower Upper
117 100
201 81.9 40.7 122.1

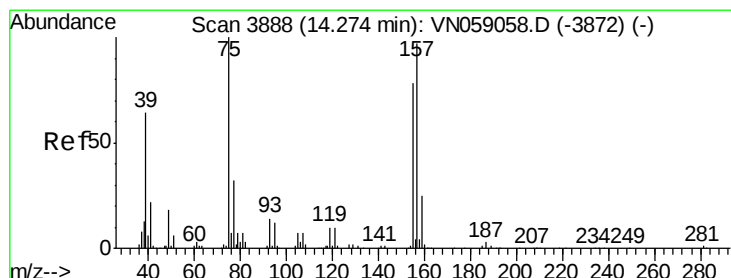
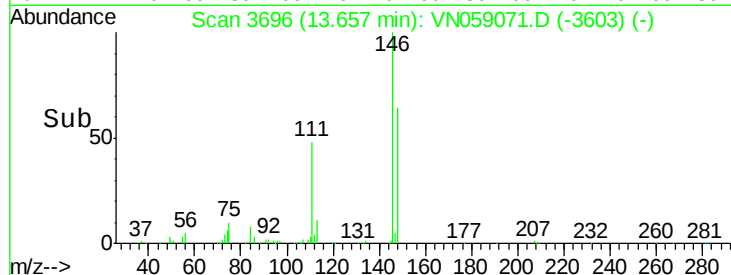
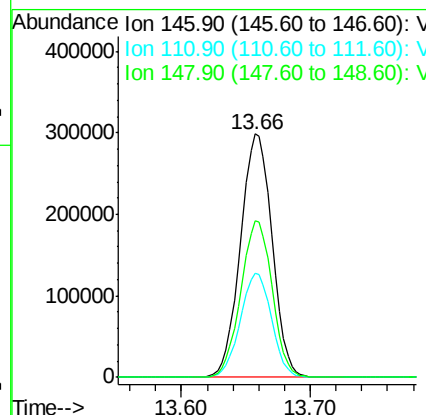
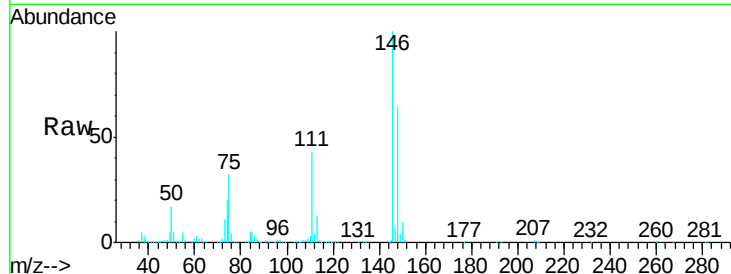




#91
 1,2-Dichlorobenzene
 Concen: 47.906 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

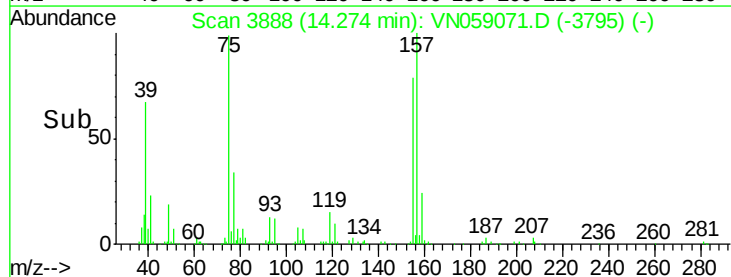
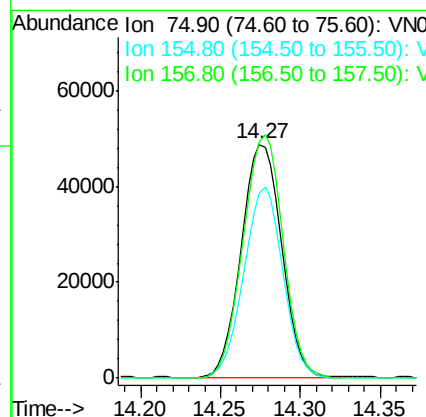
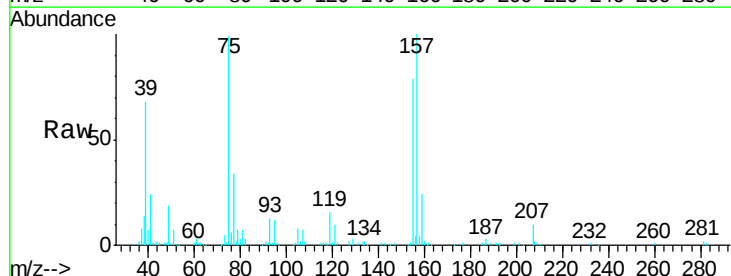
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

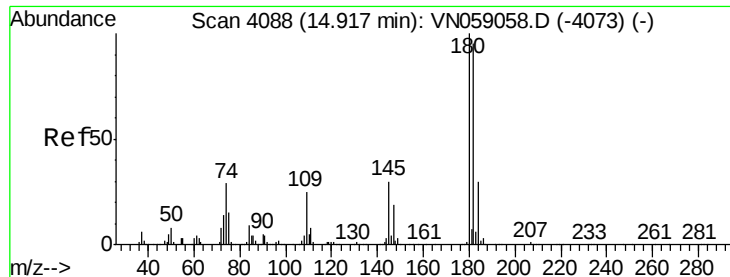
Tgt Ion:146 Resp: 510338
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.2 63.6
 148 63.8 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.056 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN059071.D
 Acq: 1 Nov 2019 18:32

Tgt Ion: 75 Resp: 83545
 Ion Ratio Lower Upper
 75 100
 155 79.3 39.7 119.1
 157 103.8 51.0 153.0

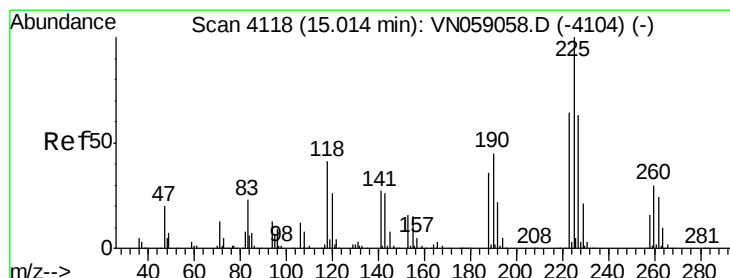
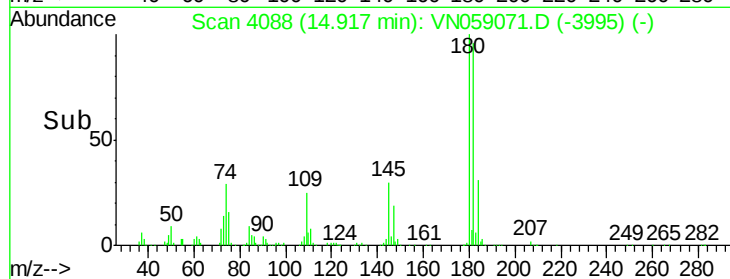
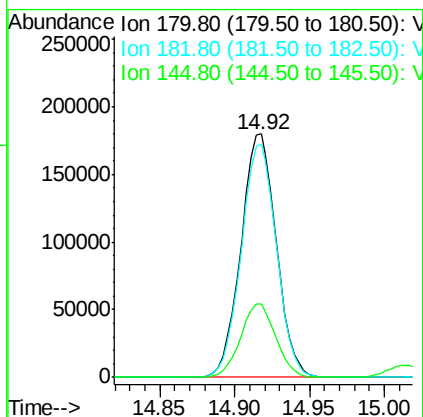
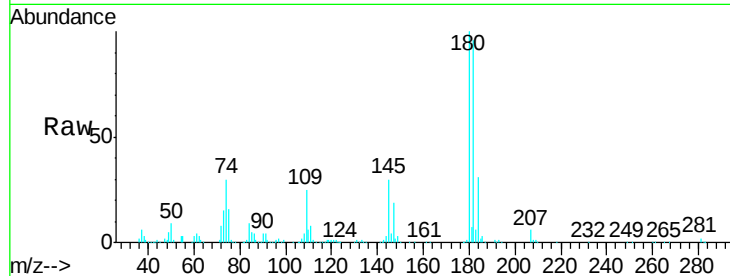




#93
1,2,4-Trichlorobenzene
Concen: 51.349 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

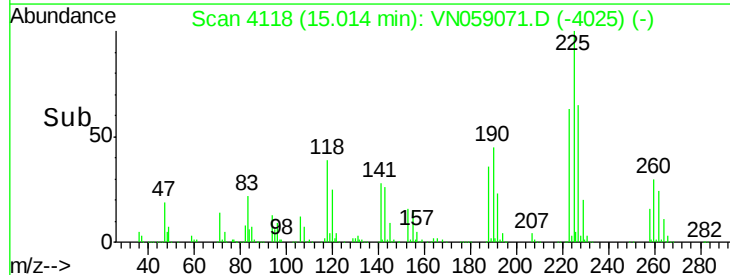
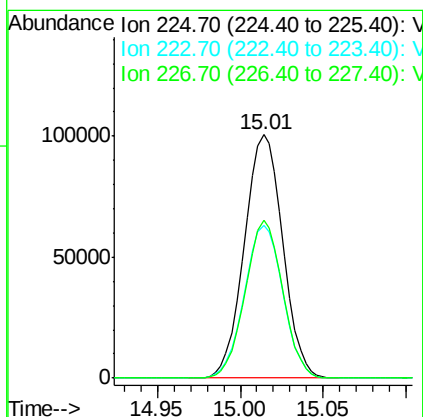
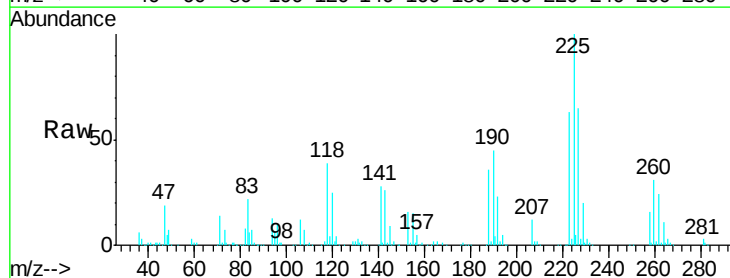
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

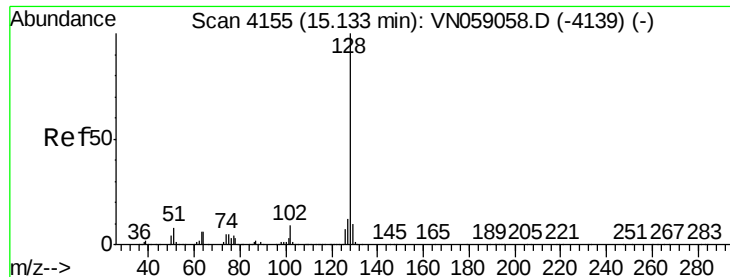
Tgt Ion:180 Resp: 295037
Ion Ratio Lower Upper
180 100
182 95.9 47.8 143.4
145 30.0 15.1 45.3



#94
Hexachlorobutadiene
Concen: 47.082 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion:225 Resp: 162361
Ion Ratio Lower Upper
225 100
223 62.9 31.6 95.0
227 63.2 31.9 95.7

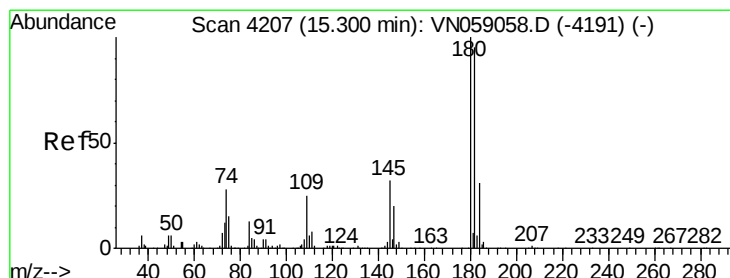
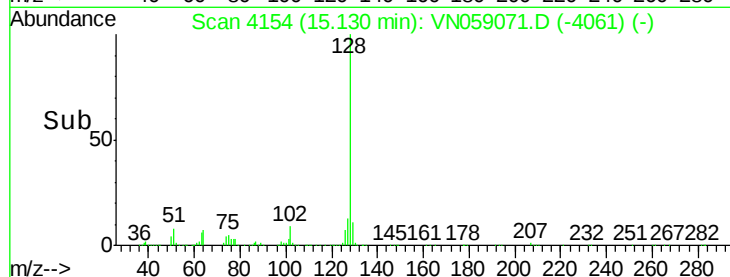
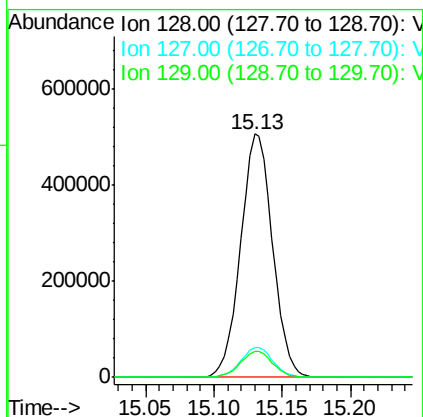
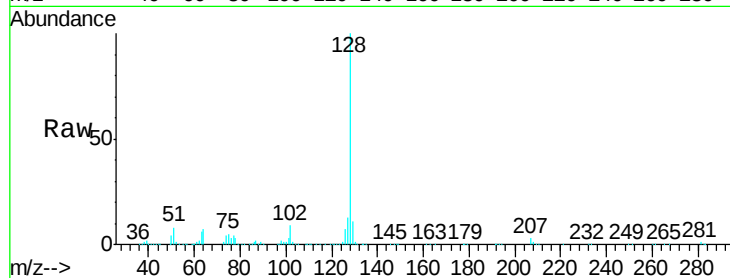




#95
Naphthalene
Concen: 46.194 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 822980
Ion Ratio Lower Upper
128 100
127 12.5 9.9 14.9
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 49.467 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN059071.D
Acq: 1 Nov 2019 18:32

Tgt Ion:180 Resp: 289269
Ion Ratio Lower Upper
180 100
182 96.9 47.7 143.1
145 32.1 16.0 48.0

