

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057827.D
 Acq On : 10 Sep 2019 1:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 07:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	323756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	506532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306072	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	332600	50.72	ug/l	0.00
Spiked Amount						
			Recovery	=	101.44%	
35) Dibromofluoromethane	7.58	113	243023	49.87	ug/l	0.00
Spiked Amount						
			Recovery	=	99.74%	
50) Toluene-d8	10.09	98	988397	52.24	ug/l	0.00
Spiked Amount						
			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.40	95	351926	48.81	ug/l	0.00
Spiked Amount						
			Recovery	=	97.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	214731	47.959	ug/l	98
3) Chloromethane	2.03	50	204654	44.846	ug/l	99
4) Vinyl Chloride	2.16	62	225755	46.742	ug/l	99
5) Bromomethane	2.53	94	128324	48.298	ug/l	98
6) Chloroethane	2.67	64	144089	46.818	ug/l	99
7) Trichlorofluoromethane	2.99	101	287563	47.312	ug/l	98
8) Diethyl Ether	3.39	74	117820	46.476	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	178424	46.535	ug/l	100
10) Methyl Iodide	3.93	142	203364	47.663	ug/l	98
11) Tert butyl alcohol	4.77	59	195988	246.943	ug/l	98
12) 1,1-Dichloroethene	3.71	96	150921	43.778	ug/l	93
13) Acrolein	3.58	56	161518	239.878	ug/l	98
14) Allyl chloride	4.30	41	296233	43.908	ug/l	100
15) Acrylonitrile	4.96	53	531569	243.678	ug/l	100
16) Acetone	3.80	43	437270	203.415	ug/l	100
17) Carbon Disulfide	4.03	76	243710	45.436	ug/l	99
18) Methyl Acetate	4.30	43	285008	49.726	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	704903	49.133	ug/l	99
20) Methylene Chloride	4.53	84	211023	51.605	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	171680	46.068	ug/l	98
22) Diisopropyl ether	5.93	45	775676	49.027	ug/l	99
23) Vinyl Acetate	5.87	43	2848452	254.038	ug/l	100
24) 1,1-Dichloroethane	5.83	63	411300	47.566	ug/l	99
25) 2-Butanone	6.82	43	732146	235.319	ug/l	98
26) 2,2-Dichloropropane	6.81	77	250245	36.570	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	233543	46.763	ug/l	99
28) Bromochloromethane	7.18	49	216943	50.220	ug/l	97
29) Tetrahydrofuran	7.19	42	463970	242.005	ug/l	100
30) Chloroform	7.36	83	434010	48.004	ug/l	99
31) Cyclohexane	7.64	56	298169	50.630	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	351557	49.028	ug/l	100
36) 1,1-Dichloropropene	7.78	75	279425	45.629	ug/l	99
37) Ethyl Acetate	6.91	43	296750	46.902	ug/l	99
38) Carbon Tetrachloride	7.76	117	273049	48.837	ug/l	99

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 QLast Update : Tue Sep 10 03:02:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	299826	46.575	ug/l	98
40) Benzene	8.03	78	884786	47.991	ug/l	98
41) Methacrylonitrile	7.19	41	441402	153.689	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	351672	47.694	ug/l	100
43) Isopropyl Acetate	8.15	43	523538	49.205	ug/l #	91
44) Trichloroethene	8.83	130	213375	47.186	ug/l	98
45) 1,2-Dichloropropane	9.11	63	258483	48.182	ug/l	99
46) Dibromomethane	9.20	93	157972	48.729	ug/l	99
47) Bromodichloromethane	9.40	83	328469	50.740	ug/l	97
48) Methyl methacrylate	9.19	41	257820	47.768	ug/l	99
49) 1,4-Dioxane	9.19	88	85898	941.108	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1647837	261.710	ug/l	100
52) Toluene	10.15	92	558962	48.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	336320	49.335	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	363808	48.337	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	238896	48.568	ug/l	99
56) Ethyl methacrylate	10.43	69	371217	50.116	ug/l	99
57) 1,3-Dichloropropane	10.71	76	414732	48.925	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	891745	255.609	ug/l	99
59) 2-Hexanone	10.75	43	1195042	253.218	ug/l	99
60) Dibromochloromethane	10.90	129	236181	51.709	ug/l	100
61) 1,2-Dibromoethane	11.00	107	230240	49.512	ug/l	100
64) Tetrachloroethene	10.63	164	177194	47.378	ug/l	99
65) Chlorobenzene	11.43	112	637663	48.103	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232032	50.443	ug/l	100
67) Ethyl Benzene	11.51	91	1154396	49.690	ug/l	99
68) m/p-Xylenes	11.62	106	844898	99.284	ug/l	100
69) o-Xylene	11.95	106	420951	49.757	ug/l	99
70) Styrene	11.97	104	735523	50.517	ug/l	99
71) Bromoform	12.13	173	145759	50.825	ug/l #	97
73) Isopropylbenzene	12.25	105	1173674	49.417	ug/l	100
74) N-amyl acetate	12.07	43	508361	49.183	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	371463	46.452	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	445719	64.374	ug/l #	100
77) Bromobenzene	12.53	156	271215	45.802	ug/l	98
78) n-propylbenzene	12.59	91	1372174	50.313	ug/l	100
79) 2-Chlorotoluene	12.68	91	810158	47.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1014304	50.545	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	88488	44.973	ug/l	98
82) 4-Chlorotoluene	12.78	91	848039	47.908	ug/l	99
83) tert-Butylbenzene	13.00	119	874699	49.035	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1018399	49.932	ug/l	99
85) sec-Butylbenzene	13.18	105	1187774	50.238	ug/l	100
86) p-Isopropyltoluene	13.29	119	1070214	51.373	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	511752	47.084	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	519010	47.044	ug/l	100
89) n-Butylbenzene	13.62	91	990462	50.346	ug/l	100
90) Hexachloroethane	13.88	117	158380	51.121	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	522783	48.146	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67993	51.486	ug/l	99

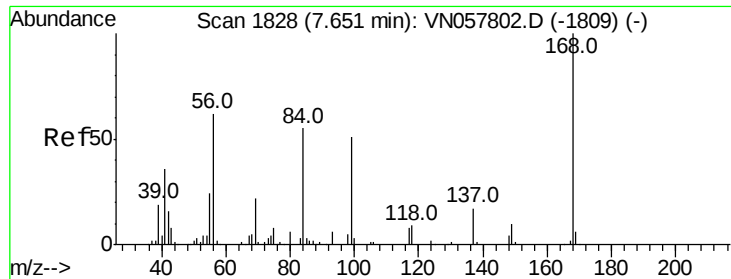
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	319150	44.968	ug/l	98
94) Hexachlorobutadiene	15.01	225	133400	44.340	ug/l	98
95) Naphthalene	15.13	128	917421	51.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	303701	49.036	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

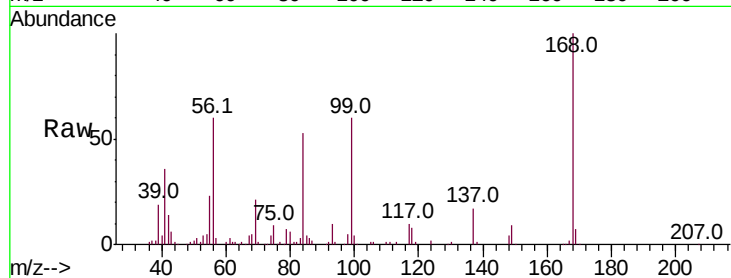
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 323756

Ion Ratio Lower Upper

168 100

99 59.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

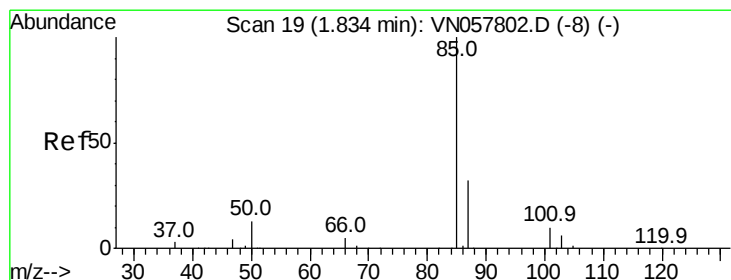
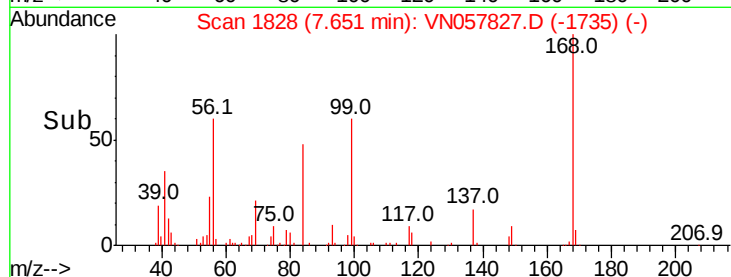
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.959 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057827.D

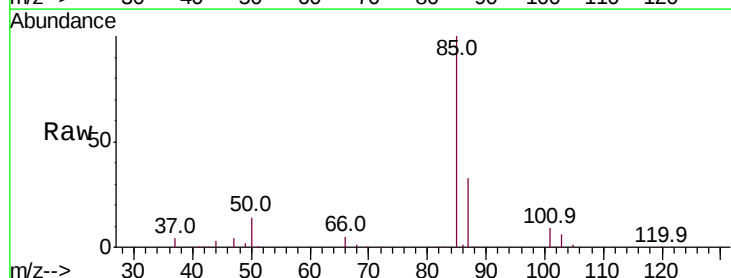
Acq: 10 Sep 2019 1:22

Tgt Ion: 85 Resp: 214731

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

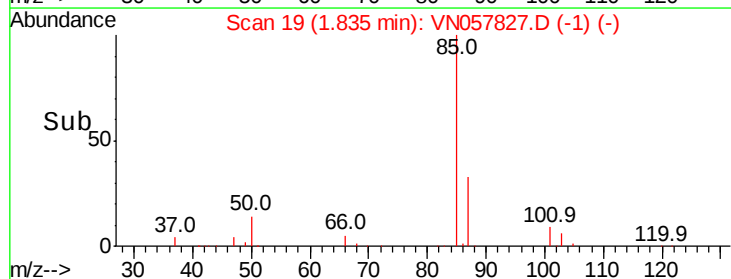
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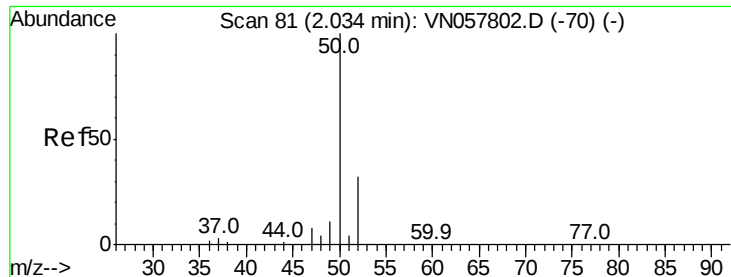
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 44.846 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

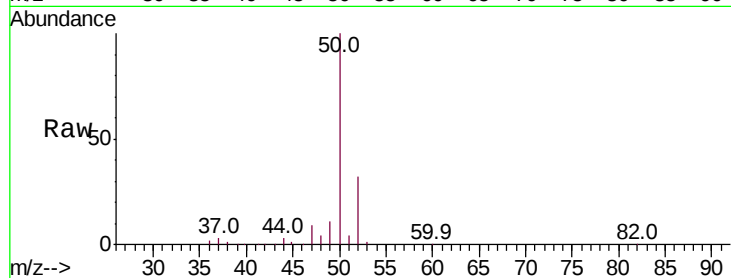
ClientSampleId :

Tot Ion: 50 Resp: 204654

Ion Ratio Lower Upper

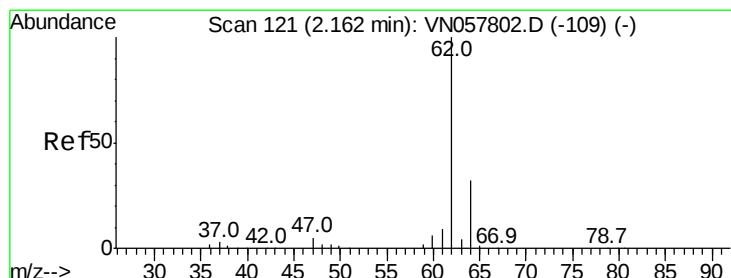
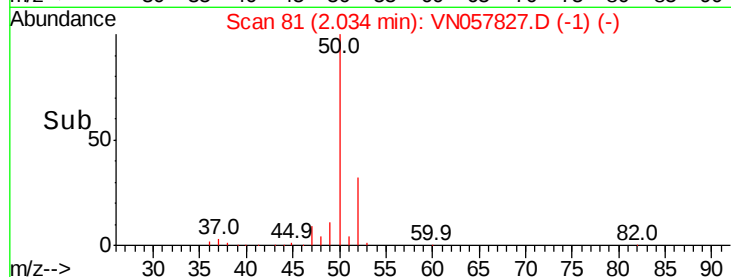
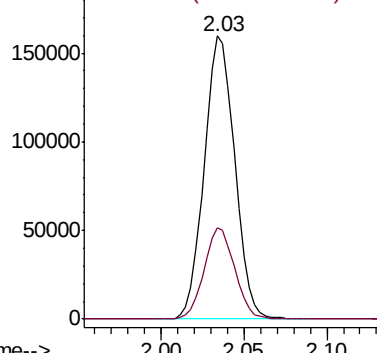
50 100

52 32.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.742 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057827.D

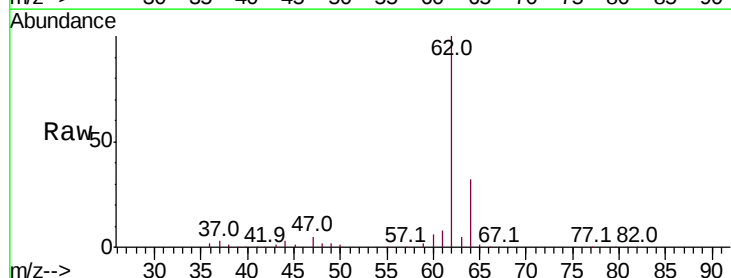
Acq: 10 Sep 2019 1:22

Tgt Ion: 62 Resp: 225755

Ion Ratio Lower Upper

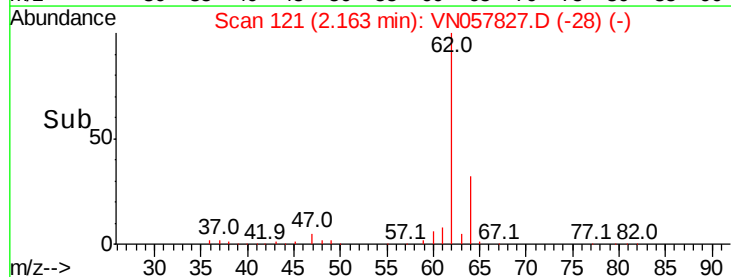
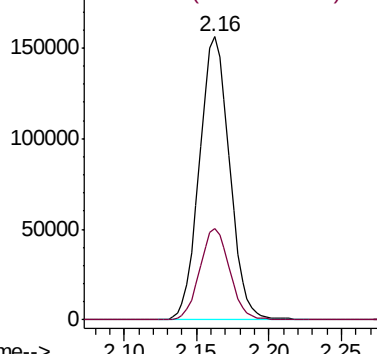
62 100

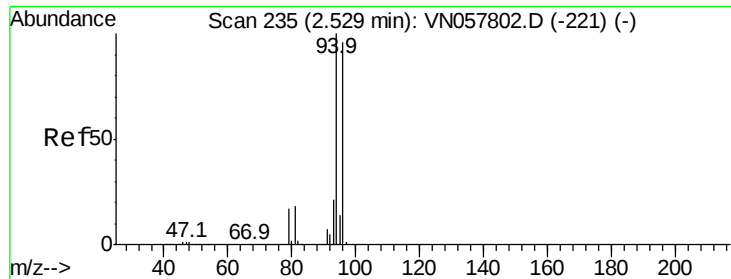
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 48.298 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

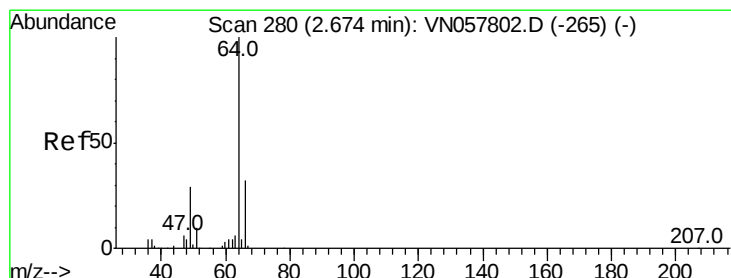
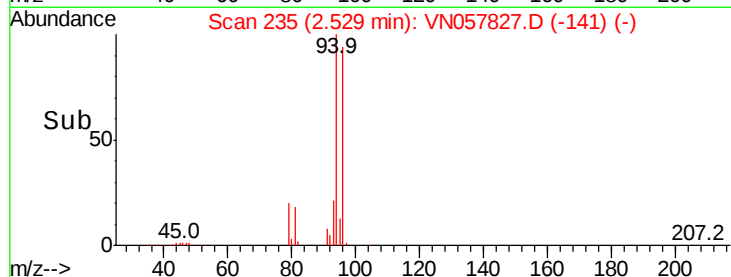
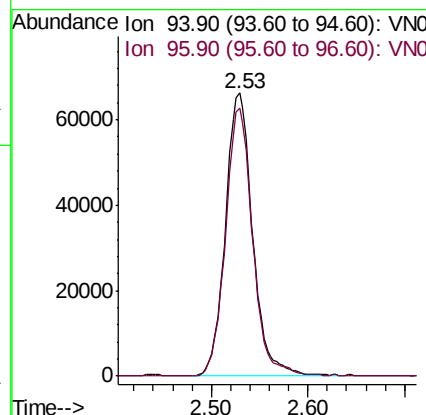
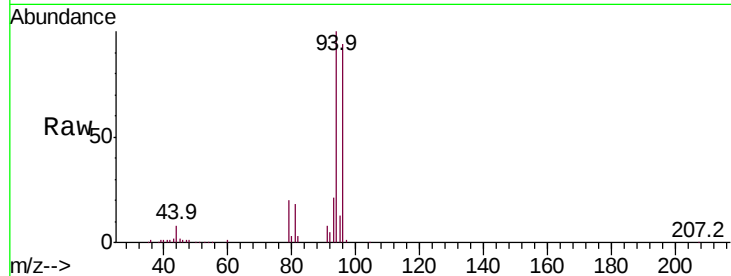
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 128324

Ion Ratio Lower Upper

94 100

96 94.5 77.0 115.4



#6

Chloroethane

Concen: 46.818 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057827.D

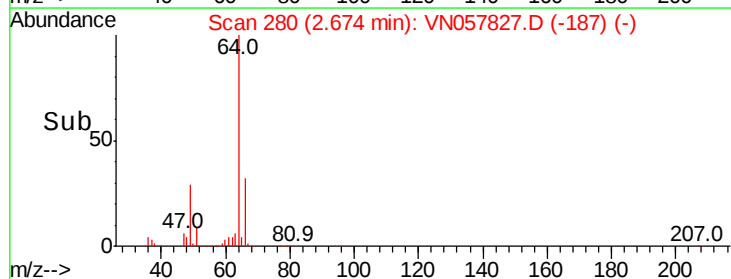
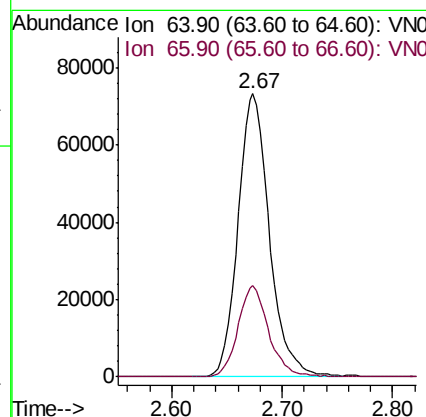
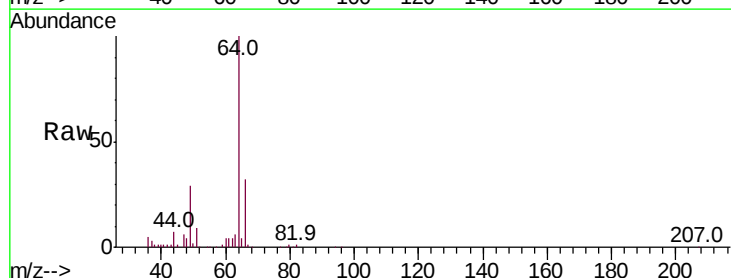
Acq: 10 Sep 2019 1:22

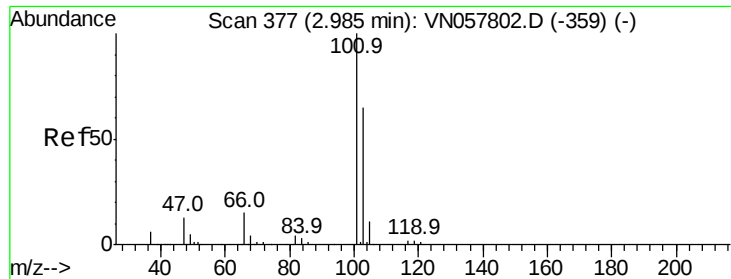
Tgt Ion: 64 Resp: 144089

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



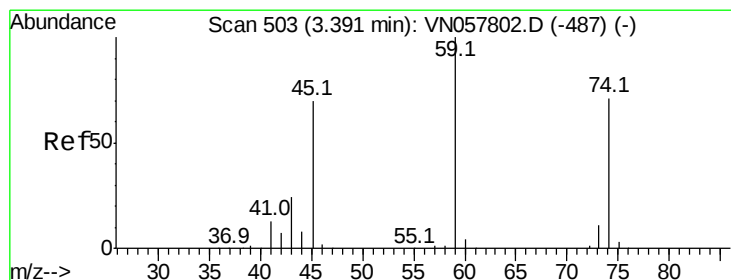
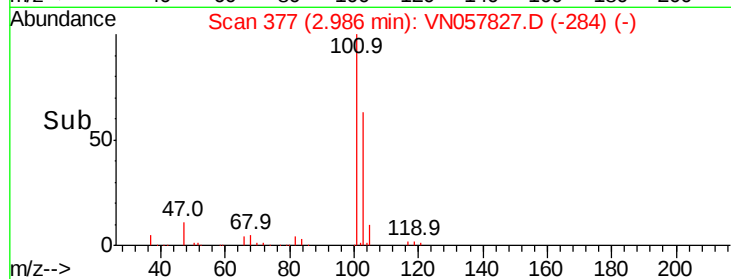
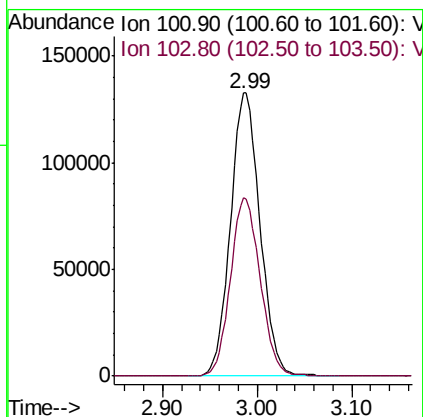
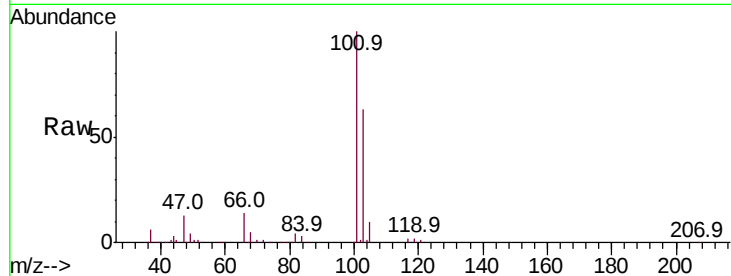


#7

Trichlorofluoromethane
Concen: 47.312 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampled :

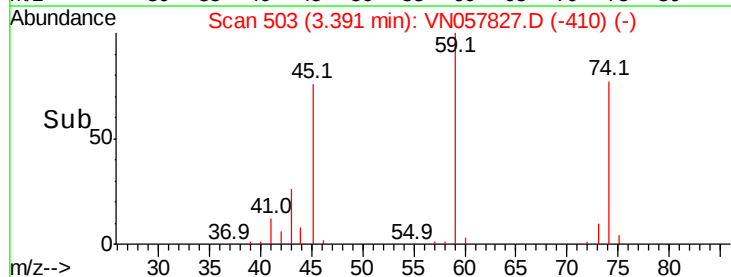
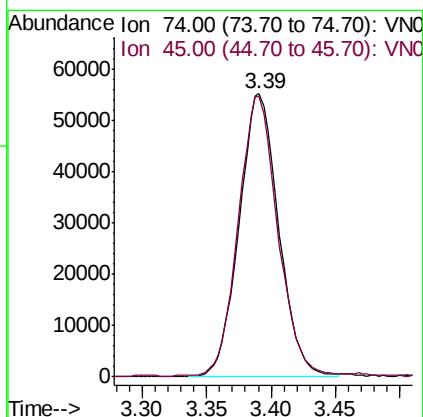
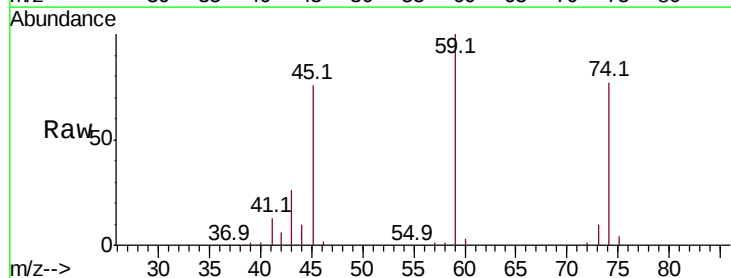
Tot Ion:101 Resp: 287563
Ion Ratio Lower Upper
101 100
103 63.2 51.9 77.9

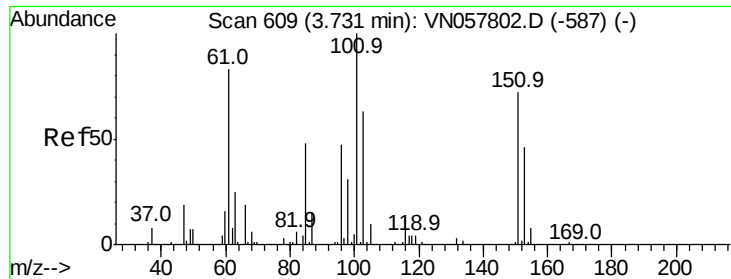


#8

Diethyl Ether
Concen: 46.476 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 74 Resp: 117820
Ion Ratio Lower Upper
74 100
45 98.2 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.535 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

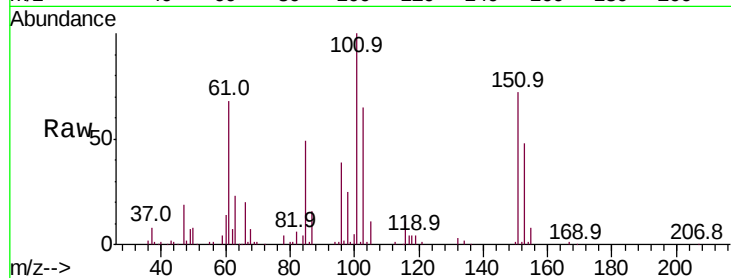
Tot Ion:101 Resp: 178424

Ion Ratio Lower Upper

101 100

85 47.3 38.1 57.1

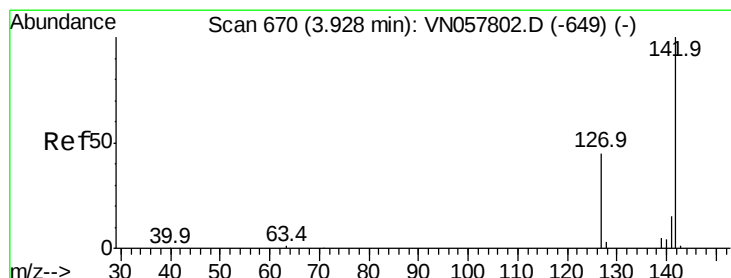
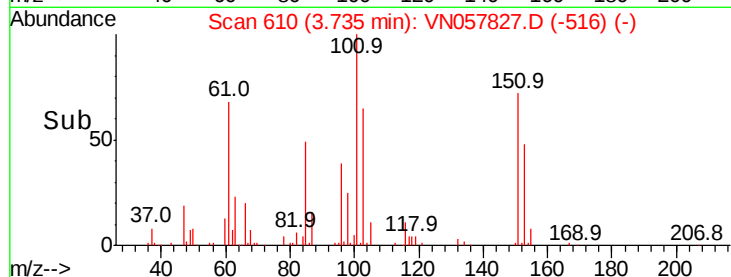
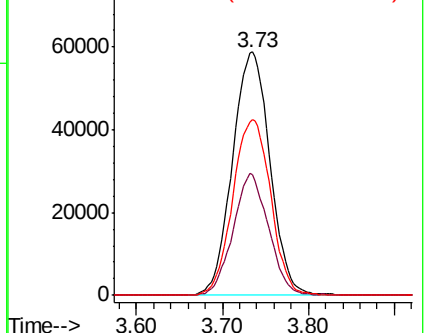
151 72.8 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.663 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

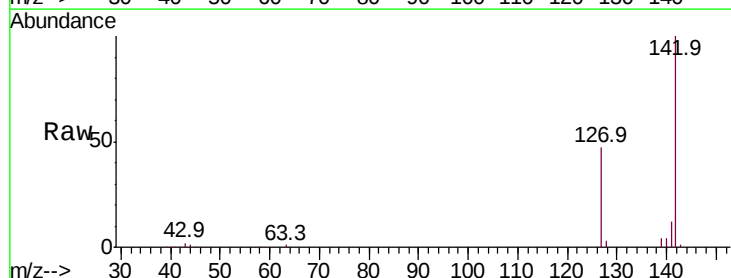
Tgt Ion:142 Resp: 203364

Ion Ratio Lower Upper

142 100

127 47.5 36.7 55.1

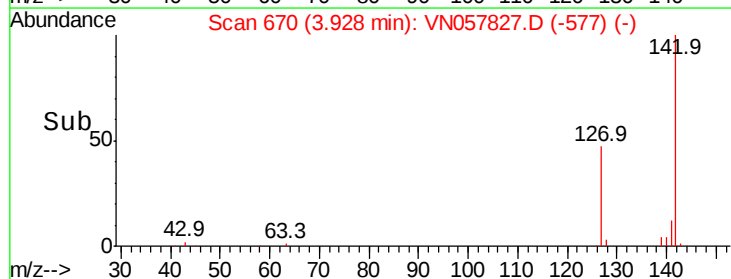
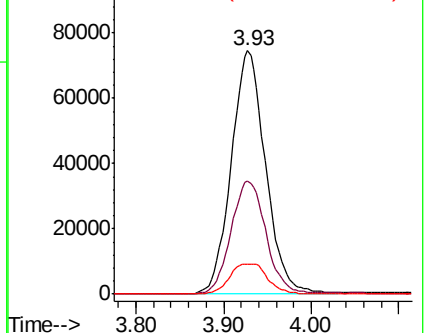
141 13.7 11.4 17.0

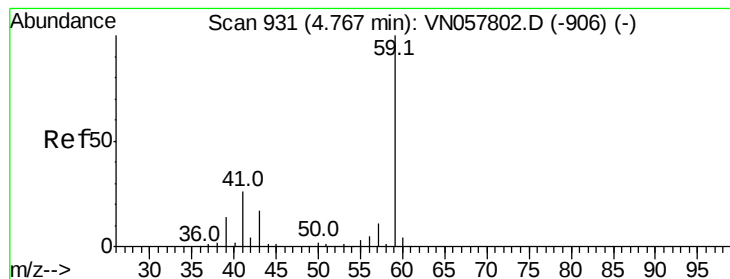


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



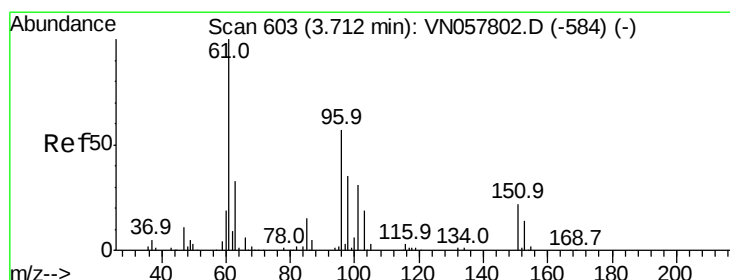
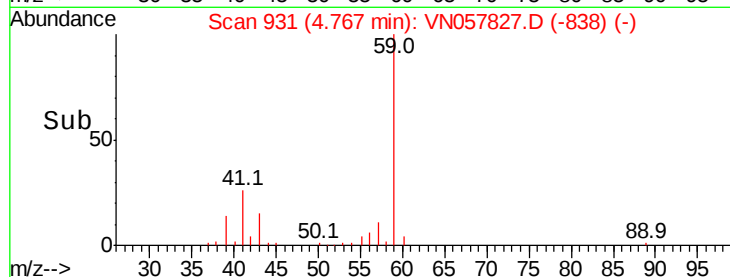
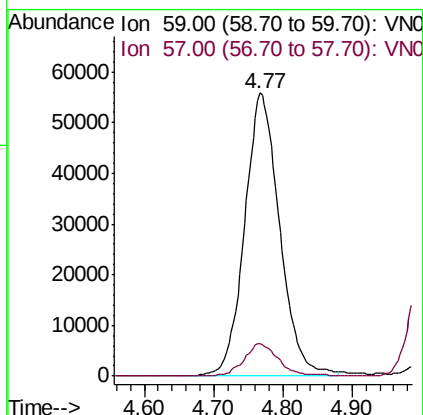
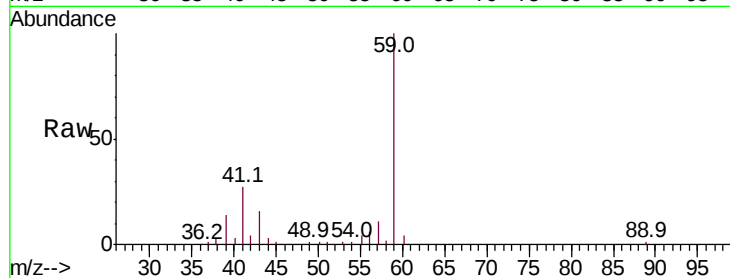


#11

Tert butyl alcohol
Concen: 246.943 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampled :

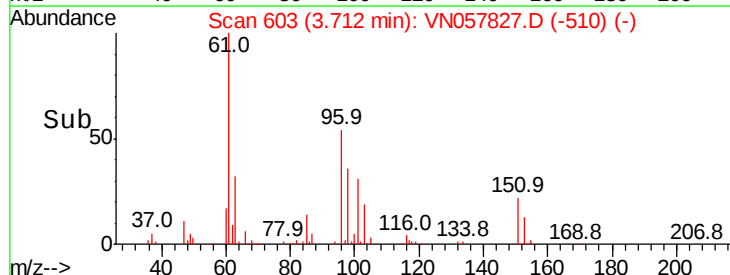
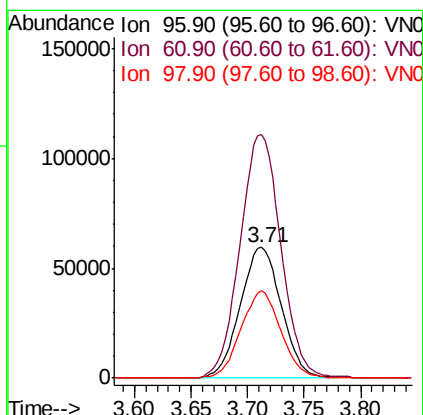
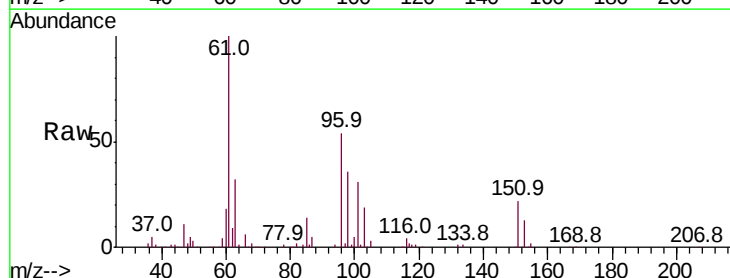
Tot Ion: 59 Resp: 195988
Ion Ratio Lower Upper
59 100
57 11.1 8.4 12.6

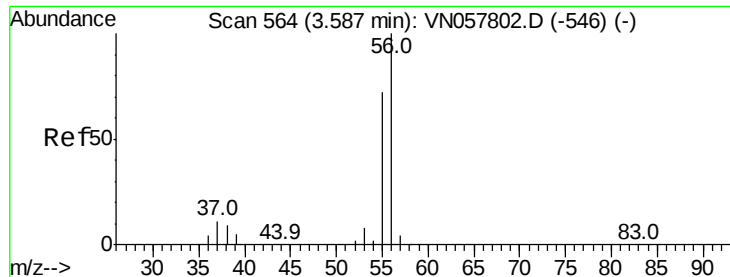


#12

1,1-Dichloroethene
Concen: 43.778 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 96 Resp: 150921
Ion Ratio Lower Upper
96 100
61 186.2 141.2 211.8
98 66.5 49.9 74.9





#13

Acrolein

Concen: 239.878 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

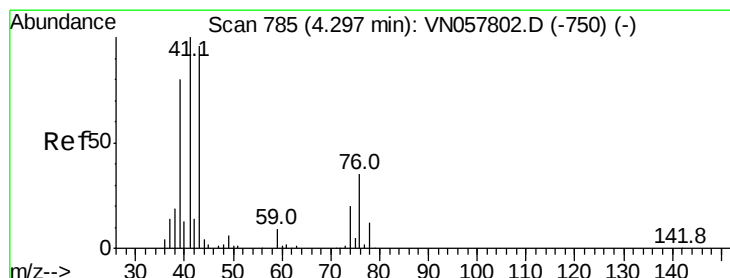
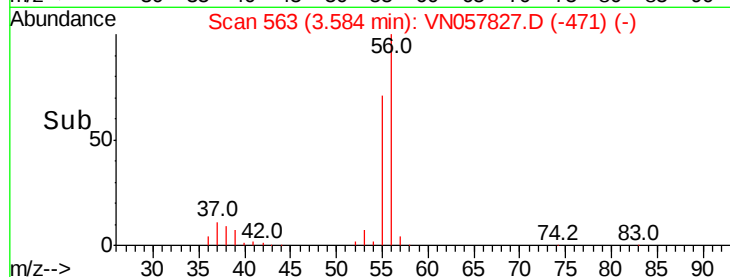
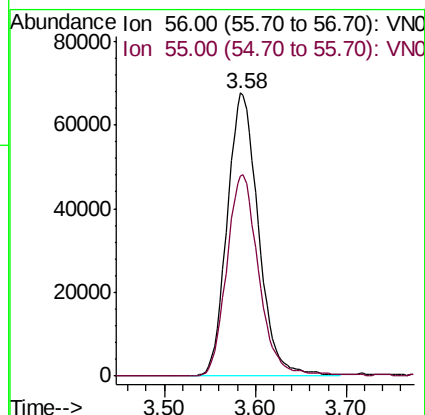
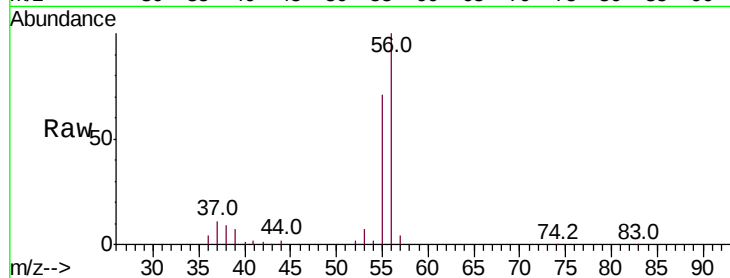
ClientSampleId :

Tot Ion: 56 Resp: 161518

Ion Ratio Lower Upper

56 100

55 73.0 57.3 85.9



#14

Allyl chloride

Concen: 43.908 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

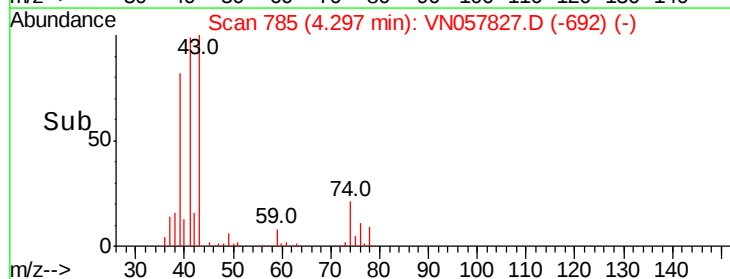
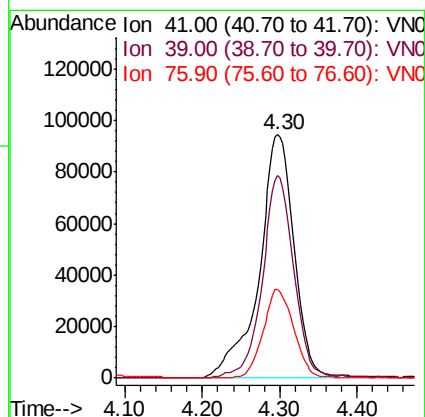
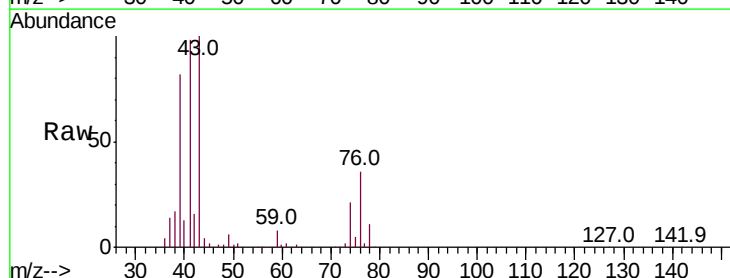
Tgt Ion: 41 Resp: 296233

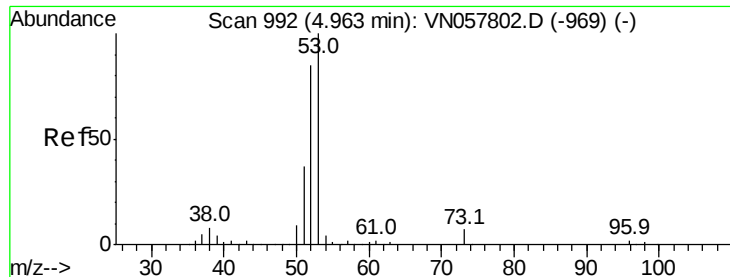
Ion Ratio Lower Upper

41 100

39 74.5 59.4 89.2

76 31.9 26.0 39.0





#15

Acrylonitrile

Concen: 243.678 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

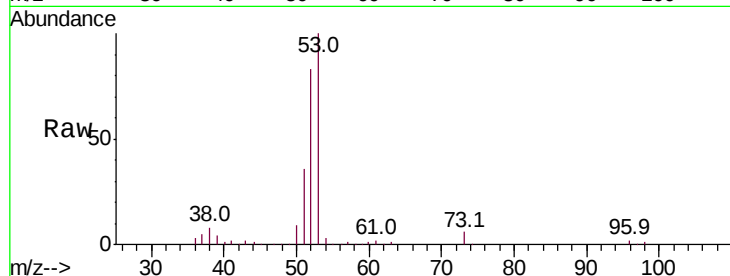
Tot Ion: 53 Resp: 531569

Ion Ratio Lower Upper

53 100

52 83.2 66.6 100.0

51 37.0 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN057827.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057827.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057827.D (-969) (-)

4.96

200000

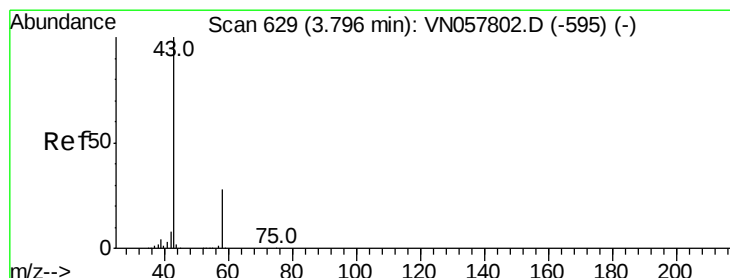
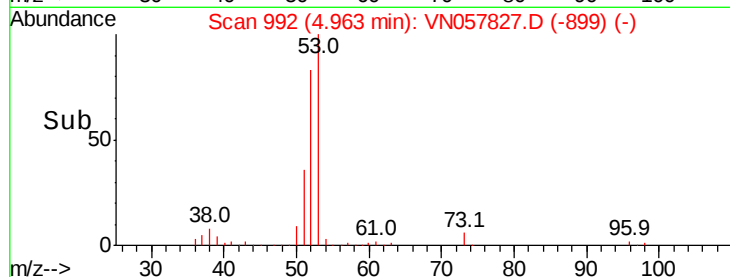
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 203.415 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057827.D

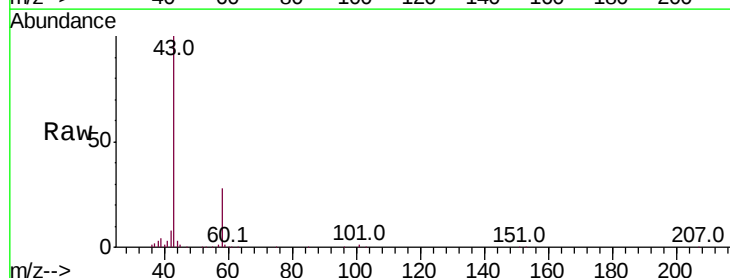
Acq: 10 Sep 2019 1:22

Tgt Ion: 43 Resp: 437270

Ion Ratio Lower Upper

43 100

58 27.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057827.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN057827.D (-536) (-)

3.80

200000

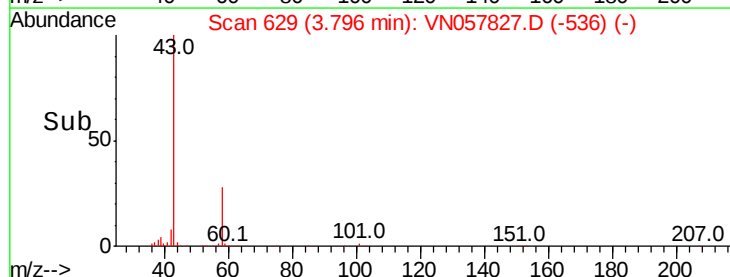
150000

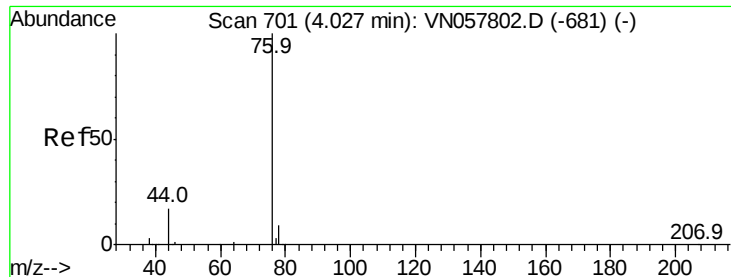
100000

50000

0

Time--> 3.70 3.80 3.90

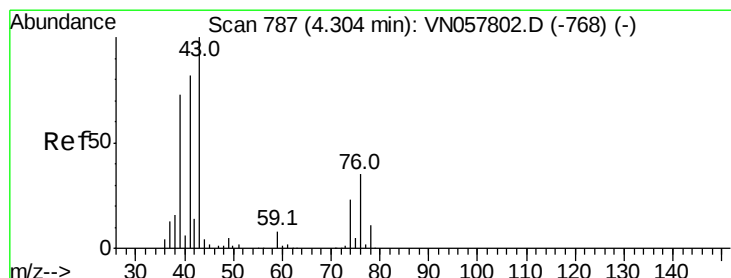
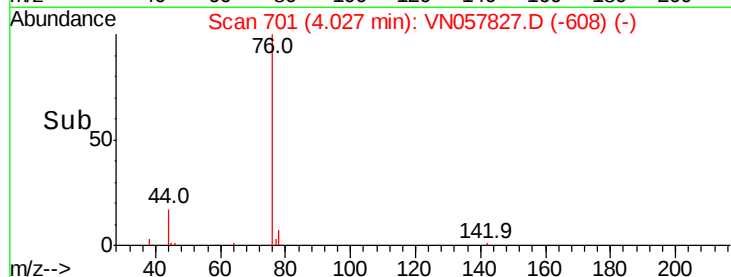
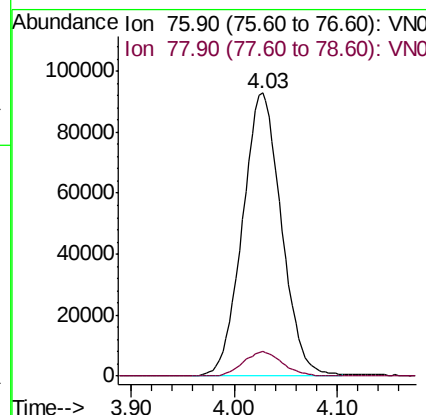
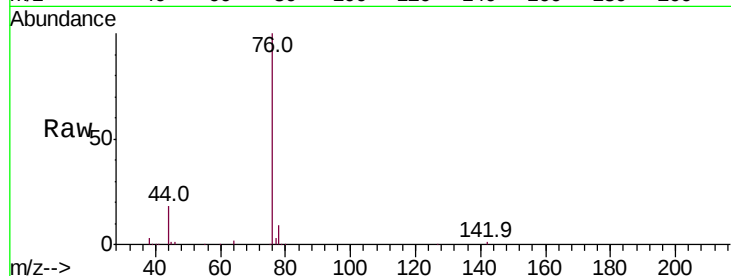




#17
Carbon Disulfide
Concen: 45.436 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

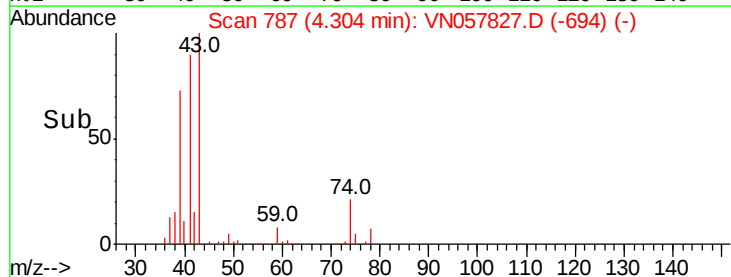
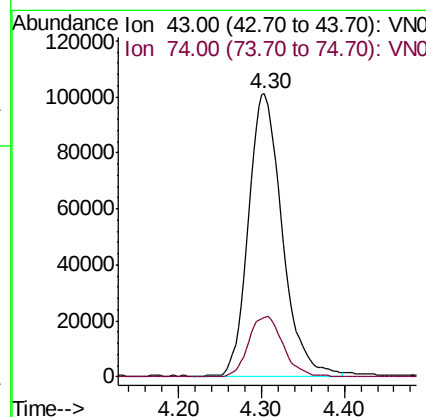
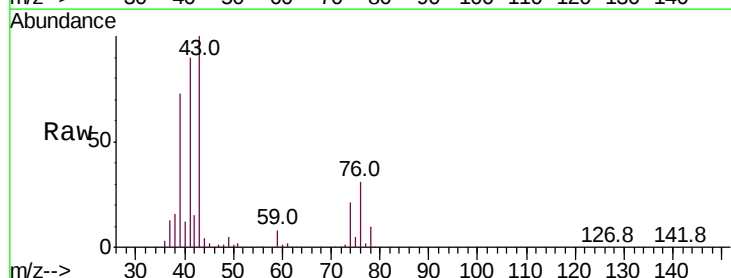
Instrument :
MSVOA_N
ClientSampled :

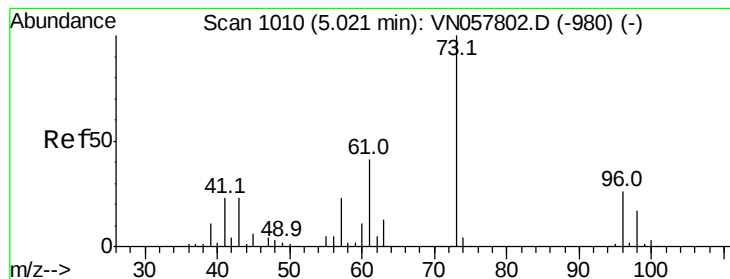
Tot Ion: 76 Resp: 243710
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 49.726 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 43 Resp: 285008
Ion Ratio Lower Upper
43 100
74 22.0 17.9 26.9



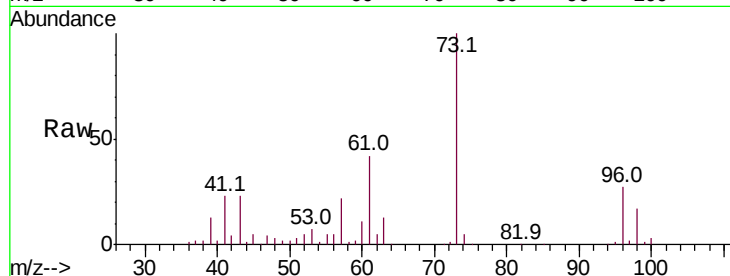


#19

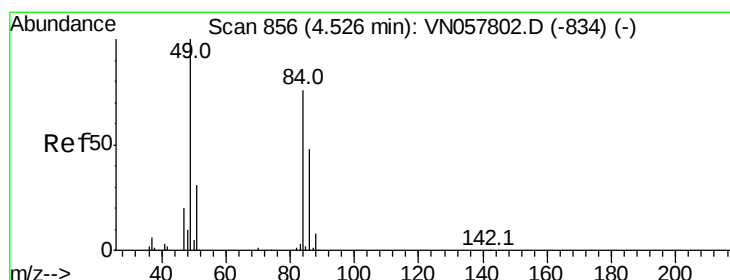
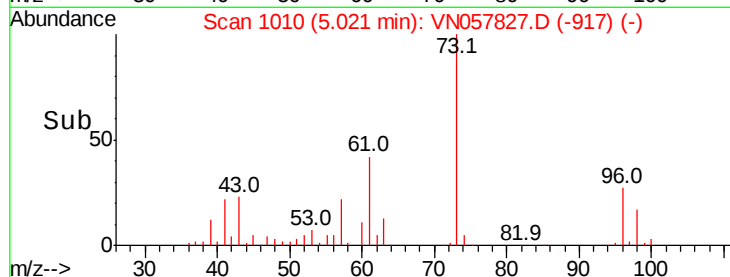
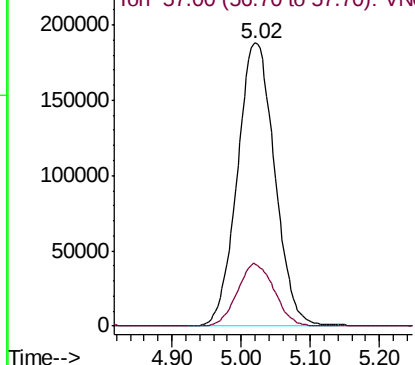
Methyl tert-butyl Ether
 Concen: 49.133 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 73 Resp: 704903
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.2 27.2



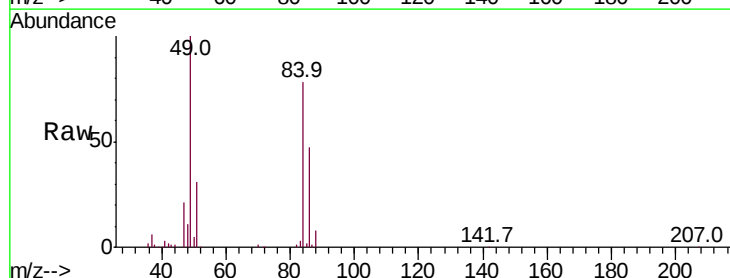
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



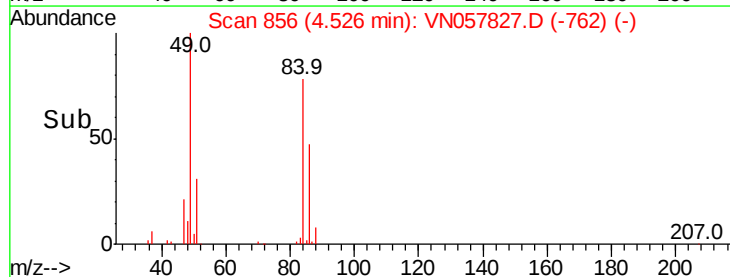
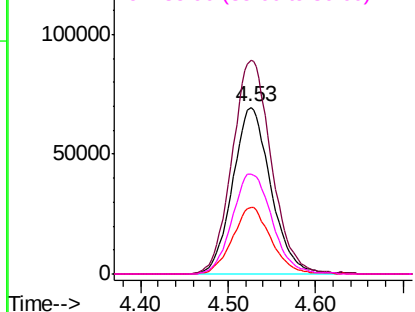
#20

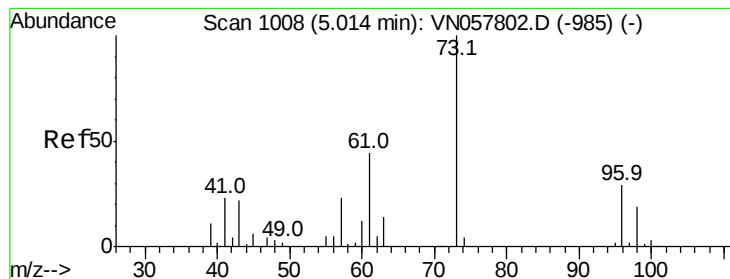
Methylene Chloride
 Concen: 51.605 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion: 84 Resp: 211023
 Ion Ratio Lower Upper
 84 100
 49 127.9 104.8 157.2
 51 40.1 33.0 49.4
 86 60.1 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN0
 Ion 48.90 (48.60 to 49.60): VN0
 Ion 50.90 (50.60 to 51.60): VN0
 Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 46.068 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampled :

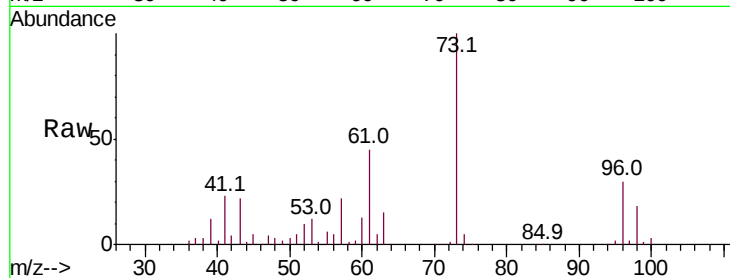
Tot Ion: 96 Resp: 171680

Ion Ratio Lower Upper

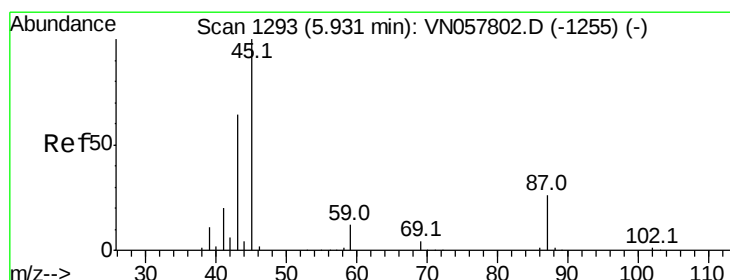
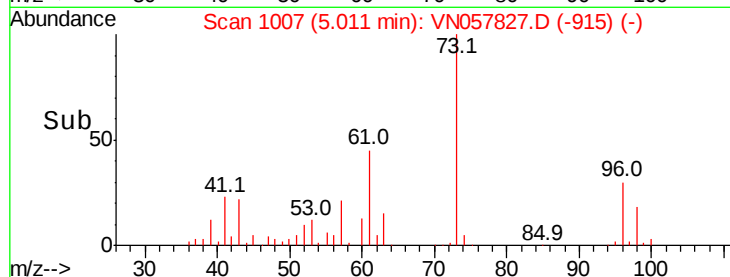
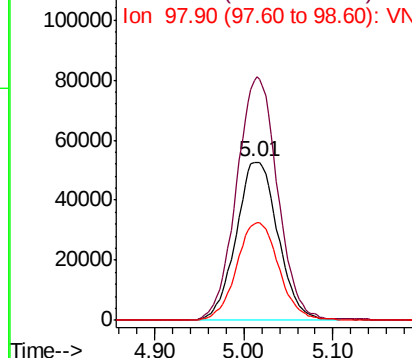
96 100

61 151.4 121.9 182.9

98 61.2 52.2 78.4



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



#22

Diisopropyl ether

Concen: 49.027 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion: 45 Resp: 775676

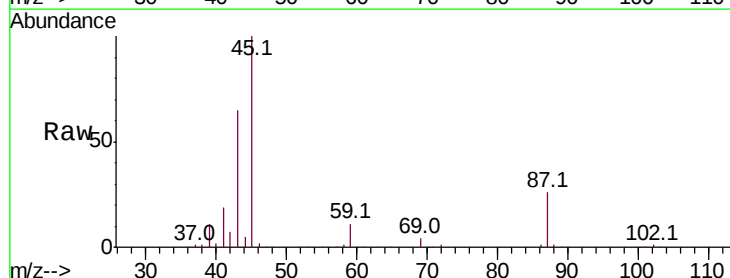
Ion Ratio Lower Upper

45 100

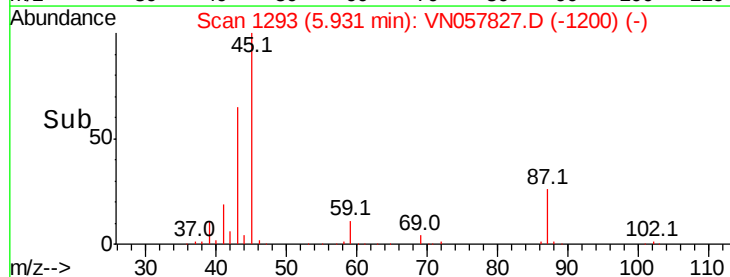
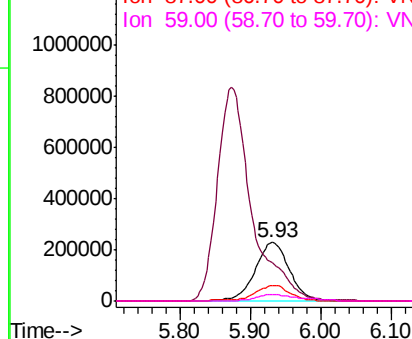
43 63.8 51.4 77.2

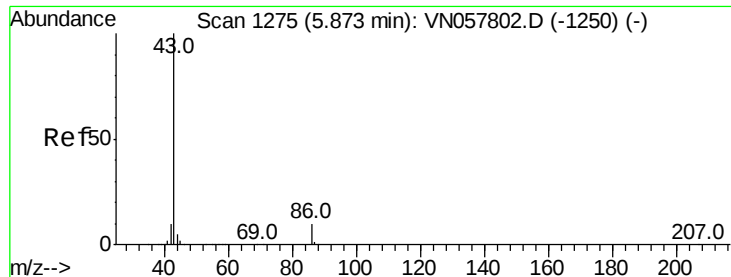
87 26.2 21.3 31.9

59 11.0 9.3 13.9



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

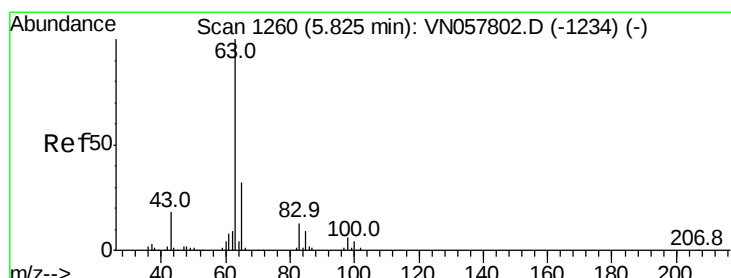
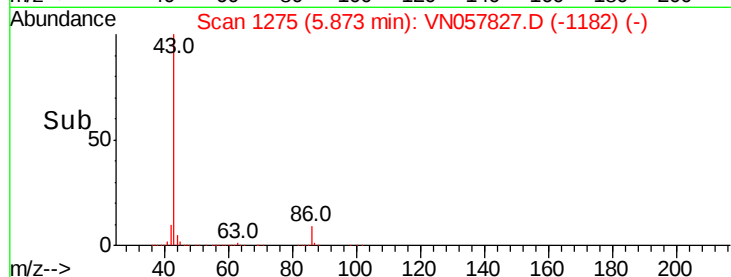
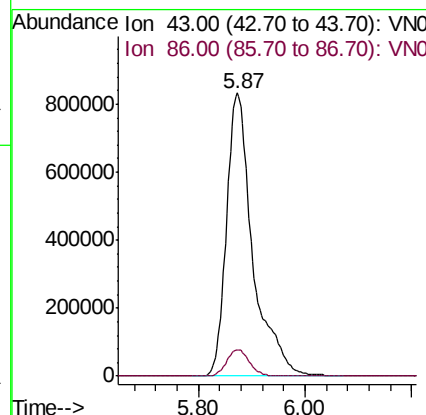
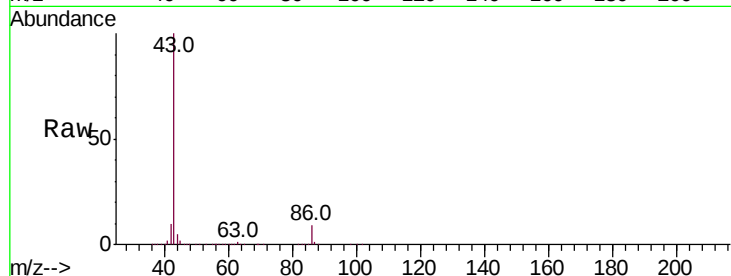




#23
 Vinyl Acetate
 Concen: 254.038 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

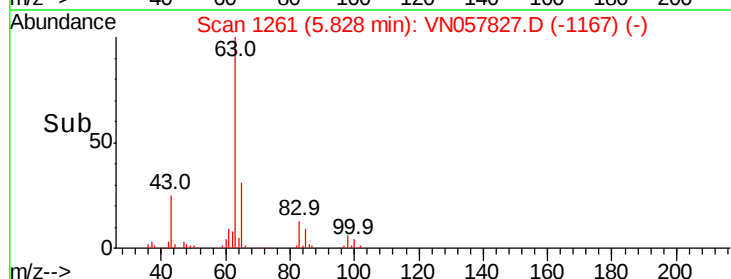
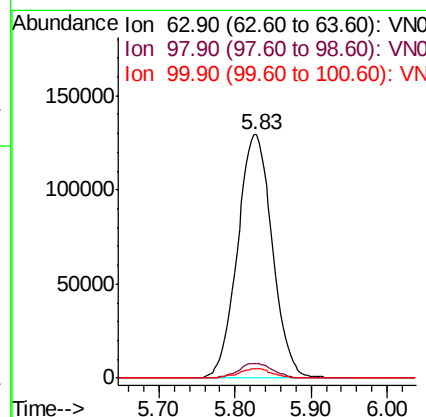
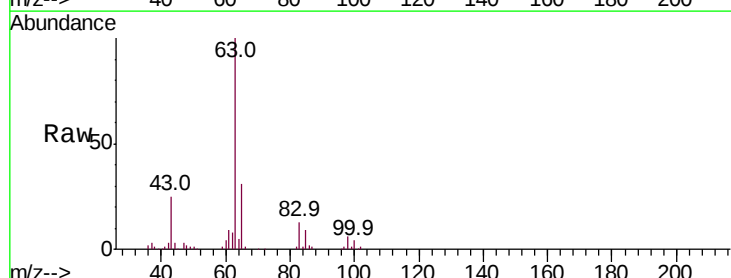
Instrument :
 MSVOA_N
 ClientSampleId :

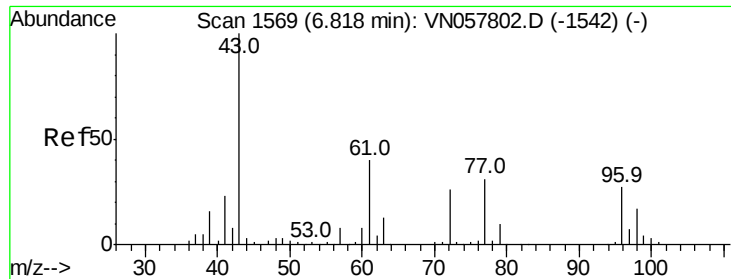
Tot Ion: 43 Resp: 2848452
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 47.566 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion: 63 Resp: 411300
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 235.319 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

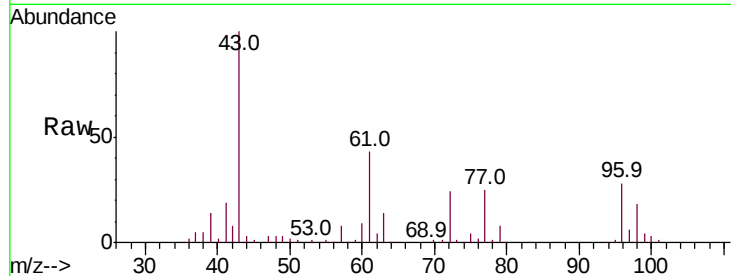
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 732146

Ion Ratio Lower Upper

43 100

72 24.5 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

300000

250000

200000

150000

100000

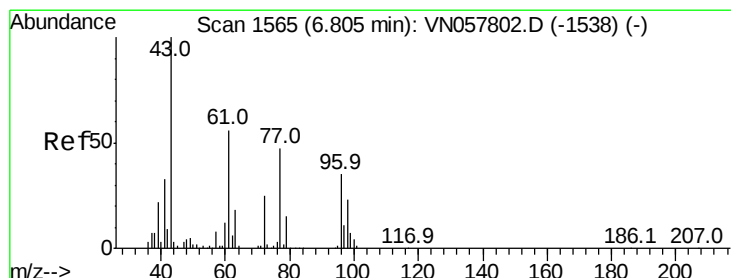
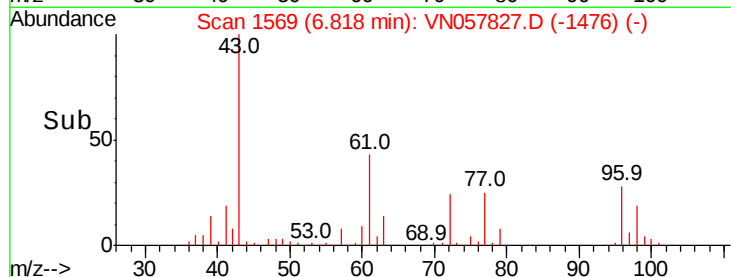
50000

0

6.70 6.75 6.80 6.85 6.90

6.82

Time-->



#26

2,2-Dichloropropane

Concen: 36.570 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057827.D

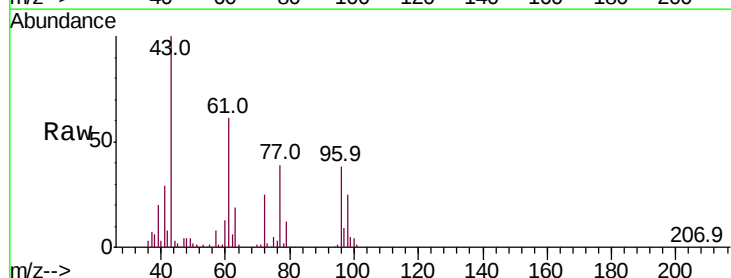
Acq: 10 Sep 2019 1:22

Tgt Ion: 77 Resp: 250245

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

80000

60000

40000

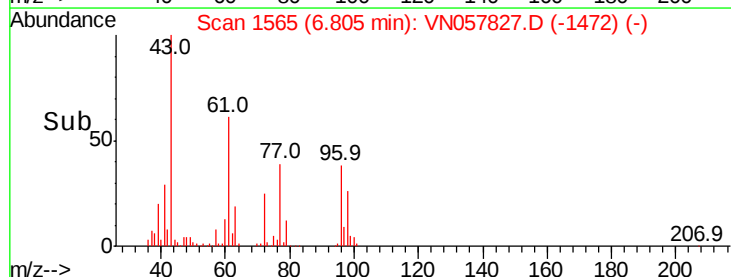
20000

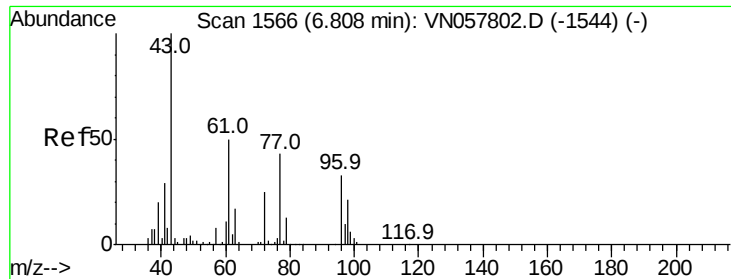
0

6.70 6.80 6.90

6.81

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.763 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :

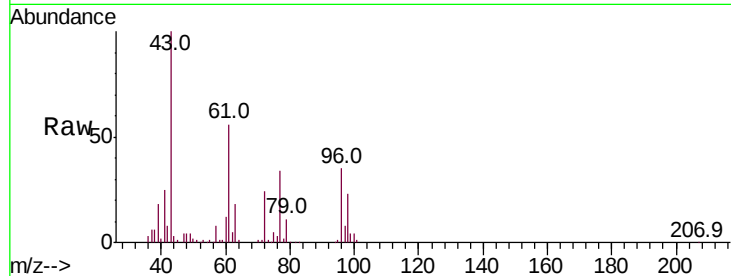
Tot Ion: 96 Resp: 233543

Ion Ratio Lower Upper

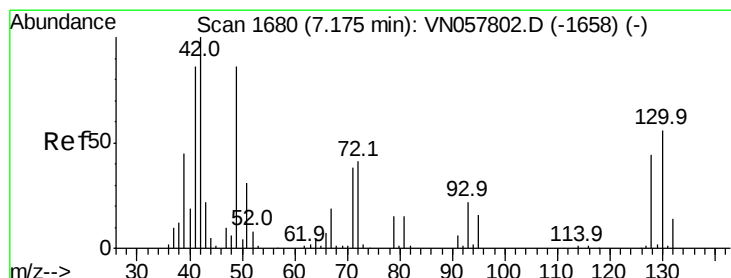
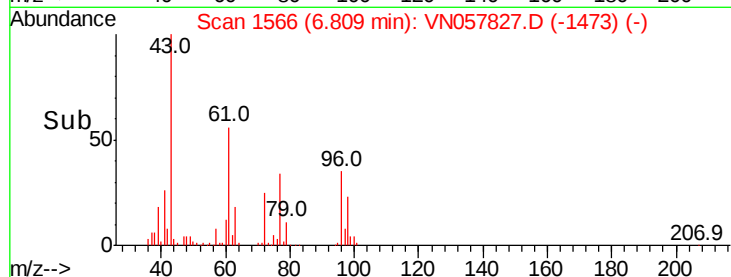
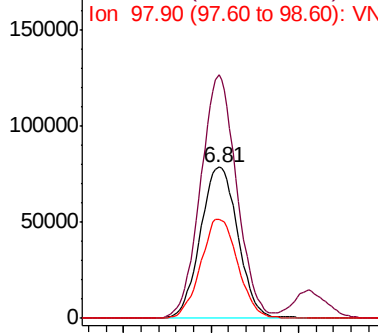
96 100

61 155.3 0.0 314.0

98 64.8 0.0 128.6



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



#28

Bromochloromethane

Concen: 50.220 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

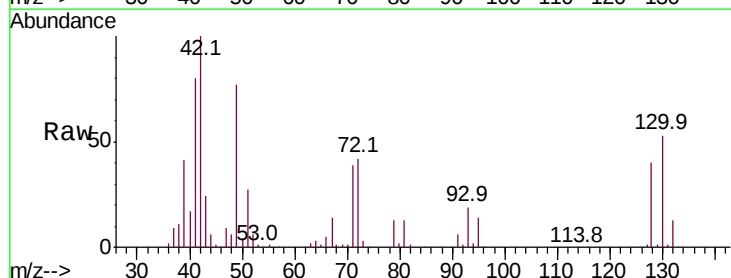
Tgt Ion: 49 Resp: 216943

Ion Ratio Lower Upper

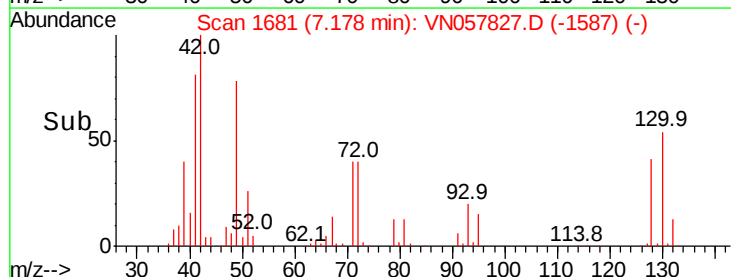
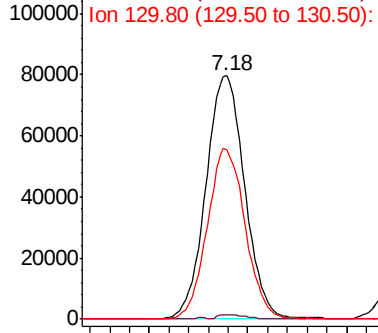
49 100

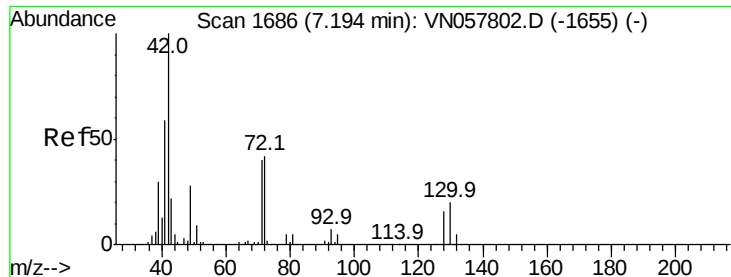
129 1.3 0.0 3.8

130 68.4 53.0 79.6



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

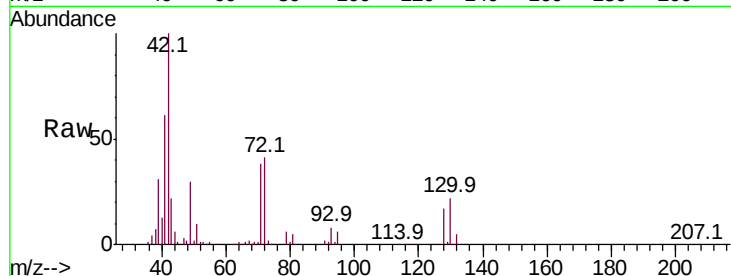




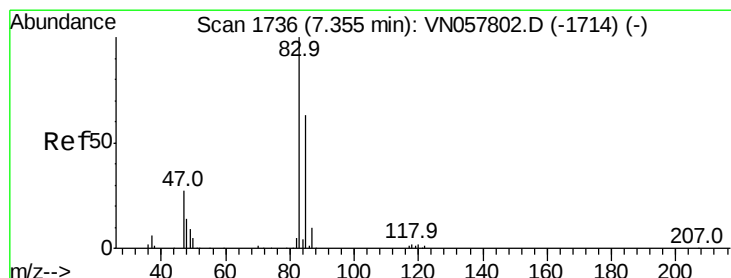
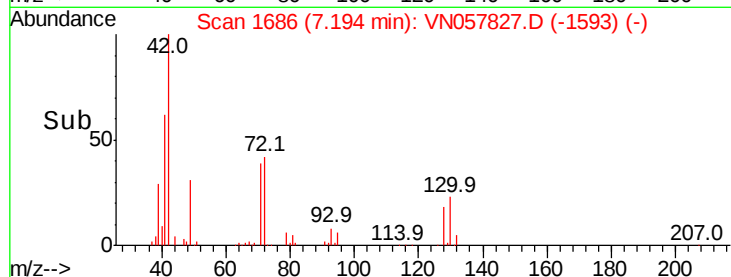
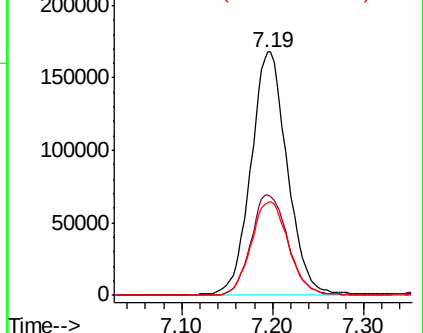
#29
Tetrahydrofuran
Concen: 242.005 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 463970
Ion Ratio Lower Upper
42 100
72 41.8 33.7 50.5
71 39.9 31.9 47.9

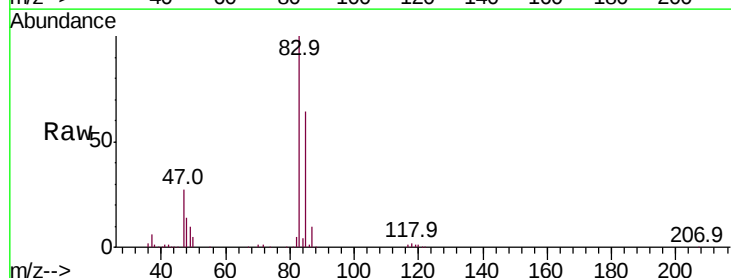


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

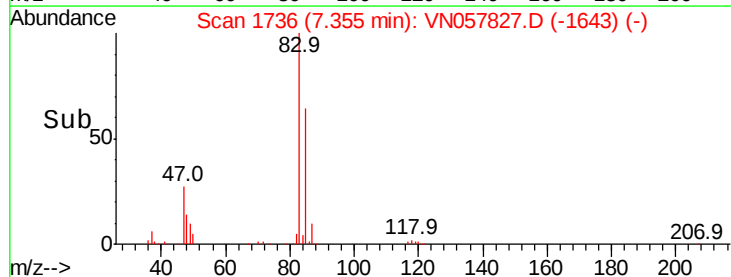
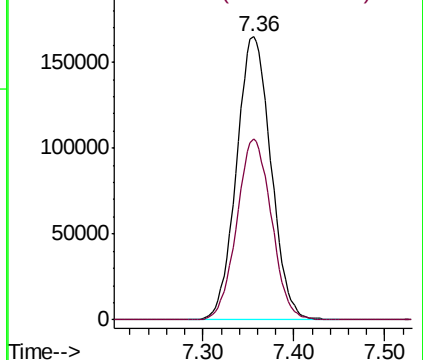


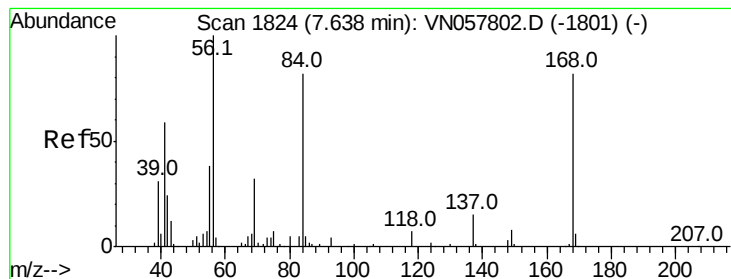
#30
Chloroform
Concen: 48.004 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 83 Resp: 434010
Ion Ratio Lower Upper
83 100
85 63.8 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 50.630 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampled :

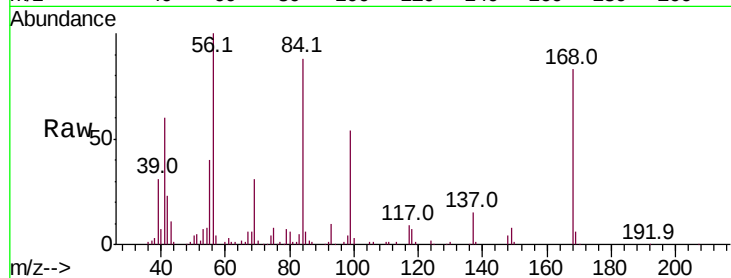
Tot Ion: 56 Resp: 298169

Ion Ratio Lower Upper

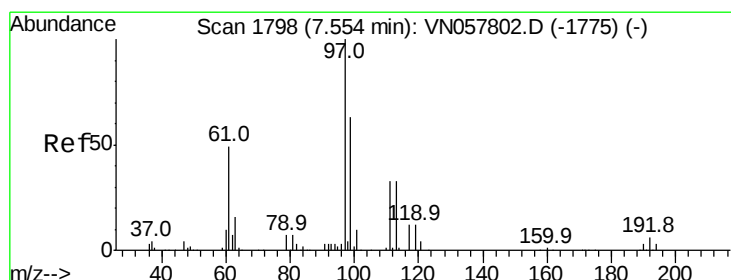
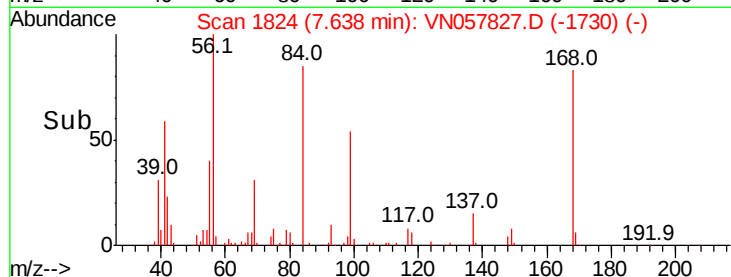
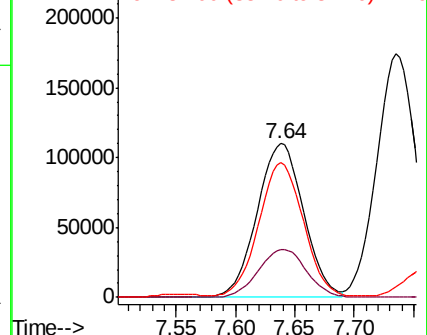
56 100

69 31.2 25.9 38.9

84 86.2 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 49.028 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

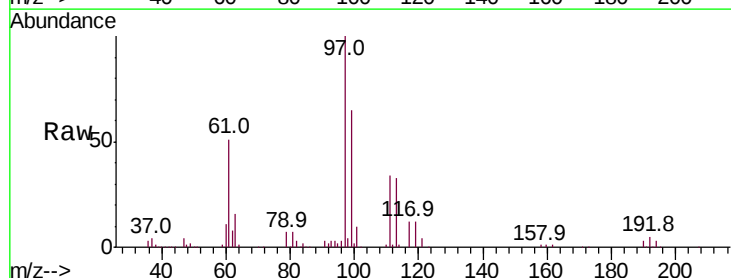
Tgt Ion: 97 Resp: 351557

Ion Ratio Lower Upper

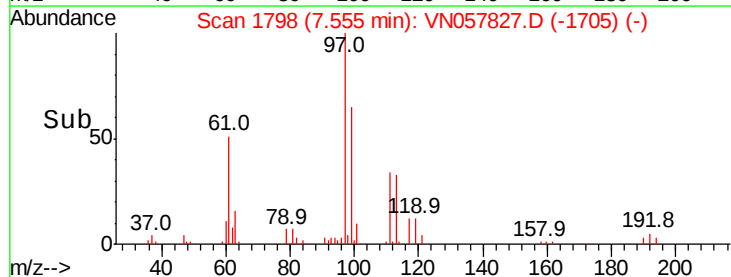
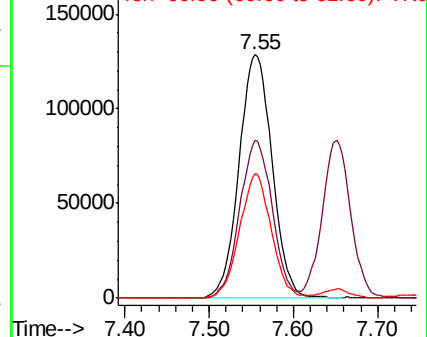
97 100

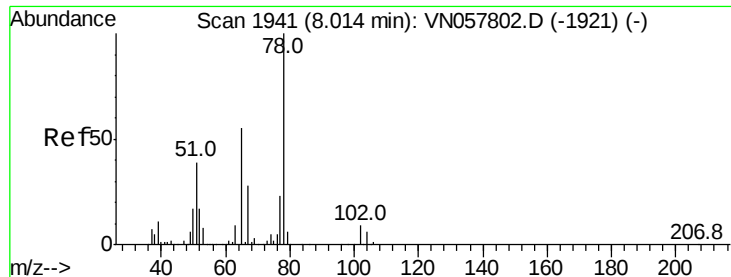
99 63.6 51.0 76.4

61 49.0 39.0 58.6



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





#33

1,2-Dichloroethane-d4

Concen: 50.721 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

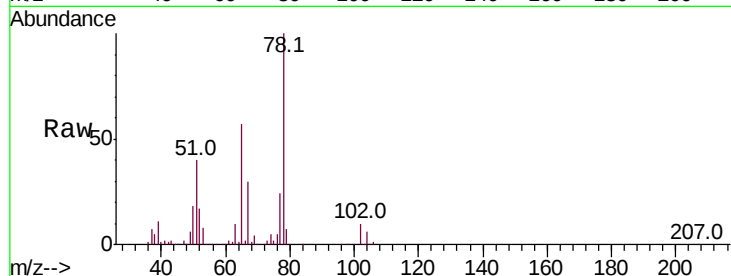
ClientSampled :

Tot Ion: 65 Resp: 332600

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

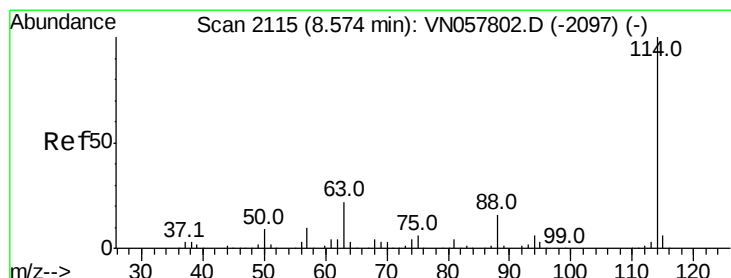
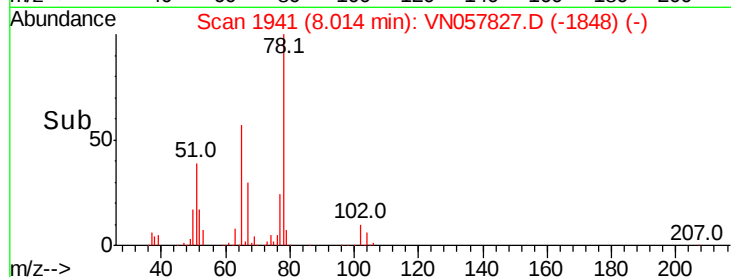
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

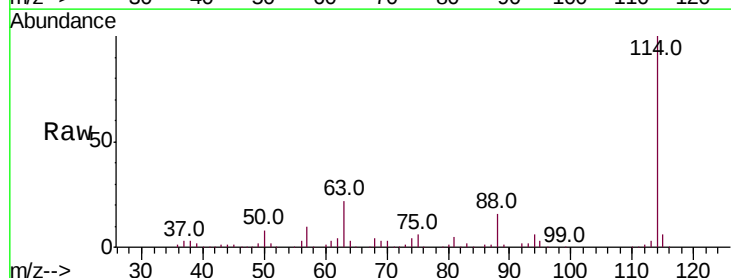
Tgt Ion: 114 Resp: 528035

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58

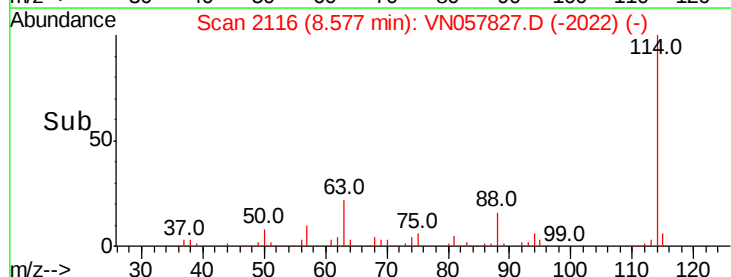
300000

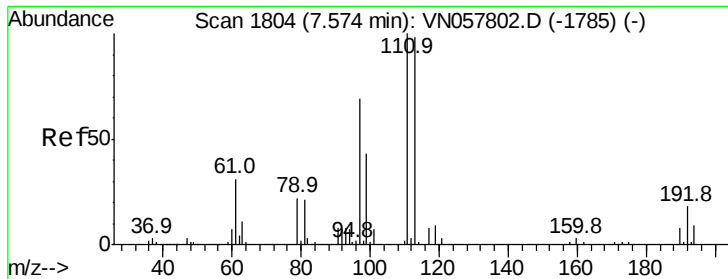
200000

100000

0

Time--> 8.50 8.60 8.70

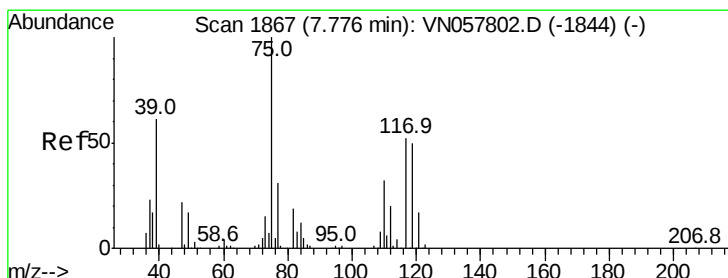
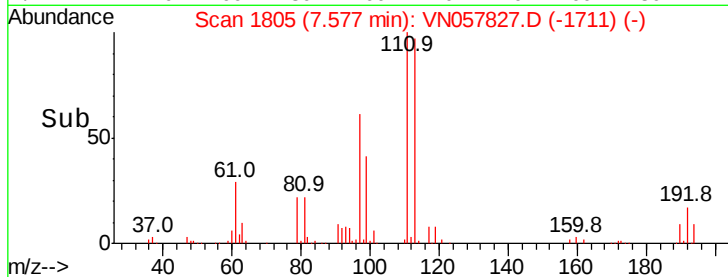
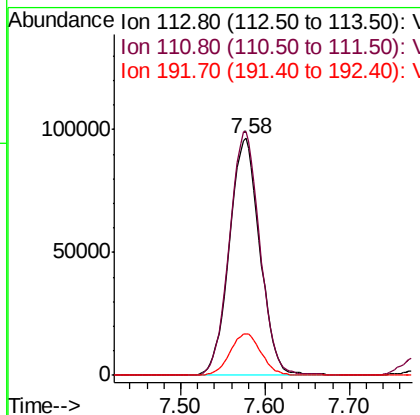
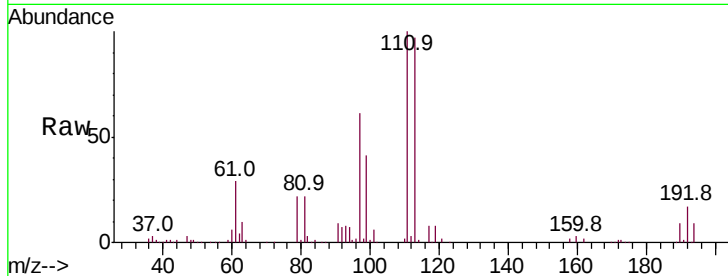




#35
 Dibromofluoromethane
 Concen: 49.866 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

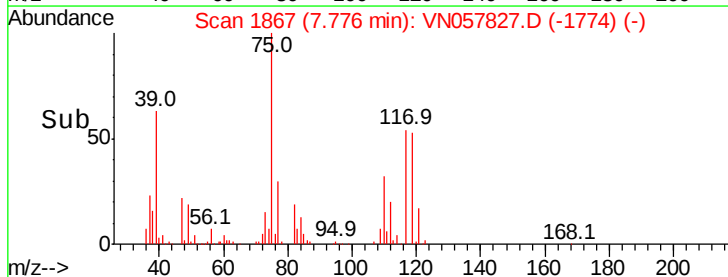
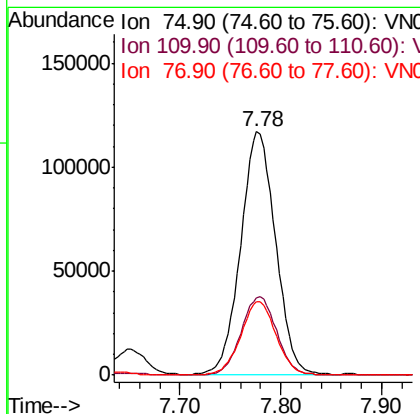
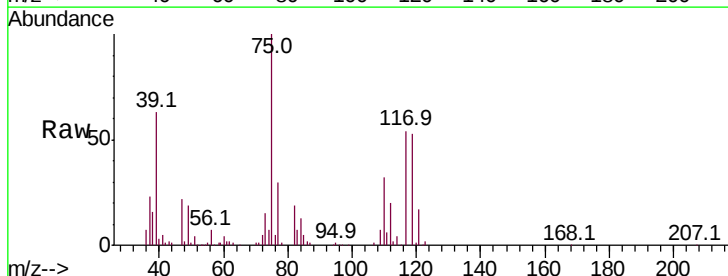
Instrument :
 MSVOA_N
 ClientSampled :

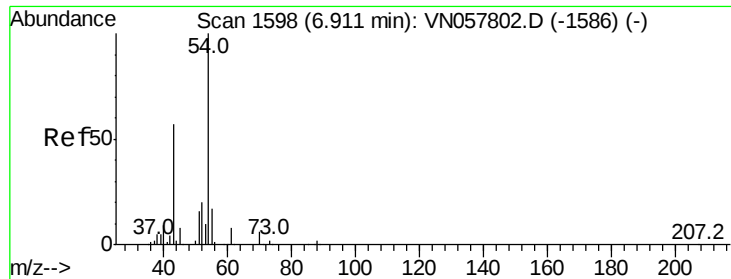
Tot Ion:113 Resp: 243023
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.3 121.9
 192 17.8 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 45.629 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion: 75 Resp: 279425
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.3 48.9
 77 31.0 25.0 37.4

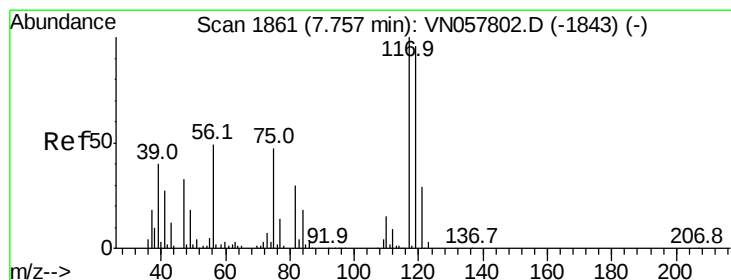
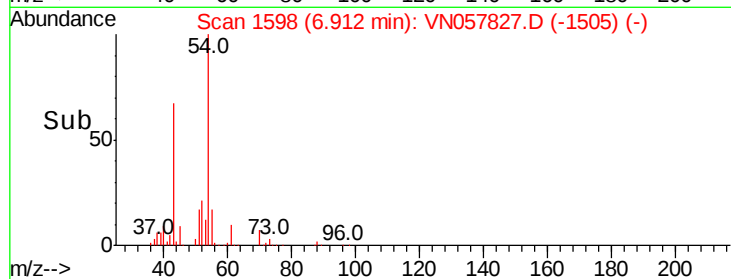
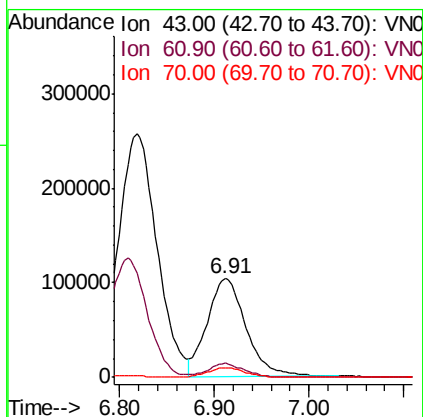
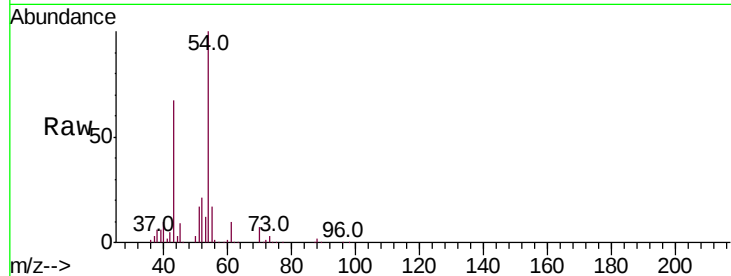




#37
Ethyl Acetate
Concen: 46.902 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

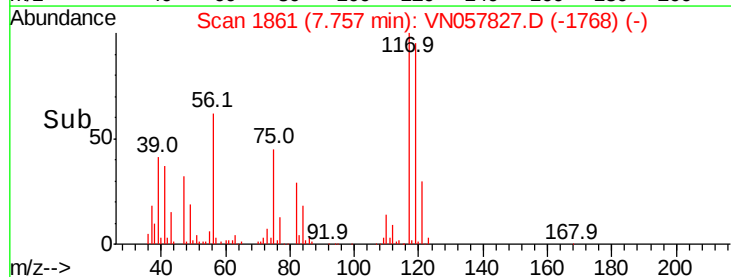
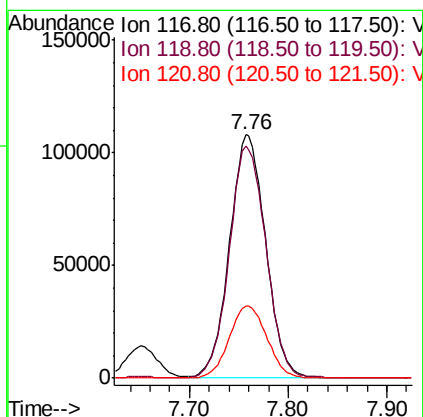
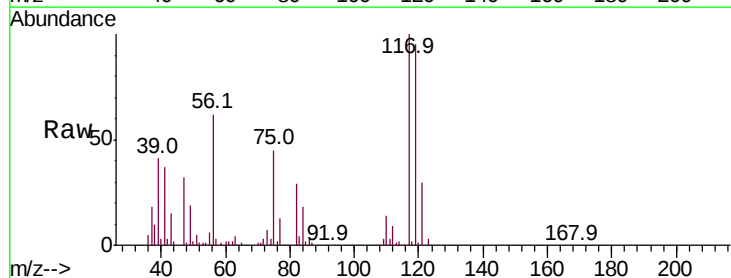
Instrument :
MSVOA_N
ClientSampleId :

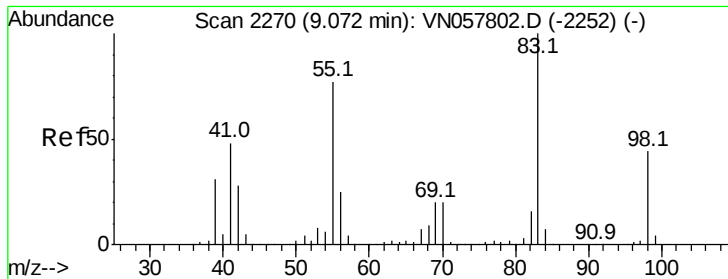
Tot Ion: 43 Resp: 296750
Ion Ratio Lower Upper
43 100
61 12.8 10.5 15.7
70 9.7 7.4 11.0



#38
Carbon Tetrachloride
Concen: 48.837 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 117 Resp: 273049
Ion Ratio Lower Upper
117 100
119 95.5 76.9 115.3
121 29.6 23.4 35.2

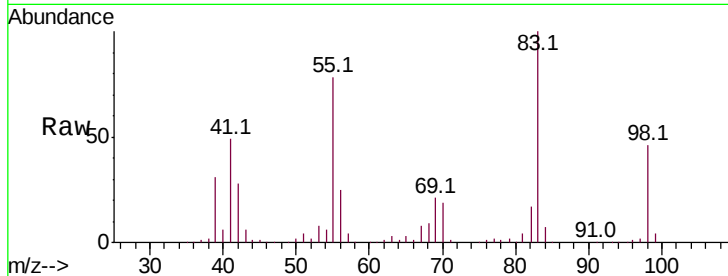




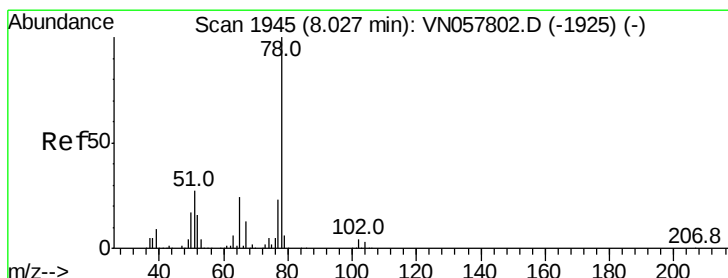
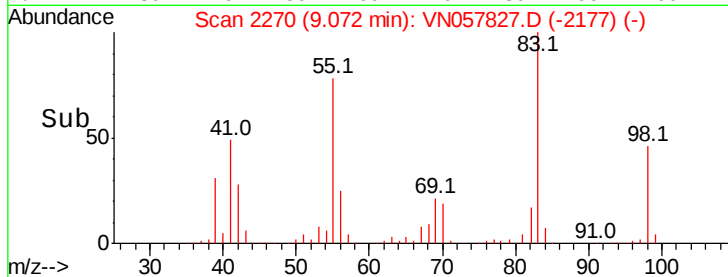
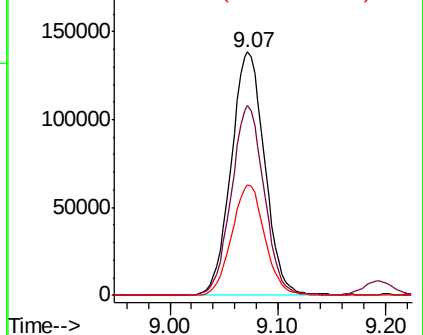
#39
Methvlcvclohexane
Concen: 46.575 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 299826
Ion Ratio Lower Upper
83 100
55 77.9 61.6 92.4
98 45.5 34.9 52.3

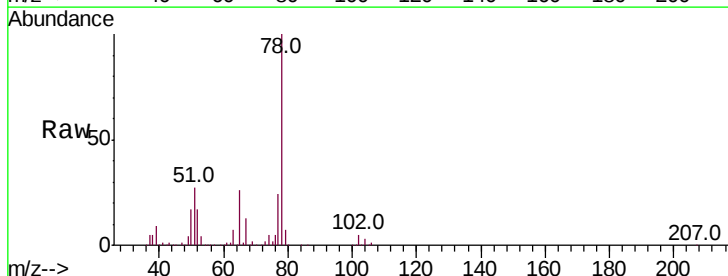


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

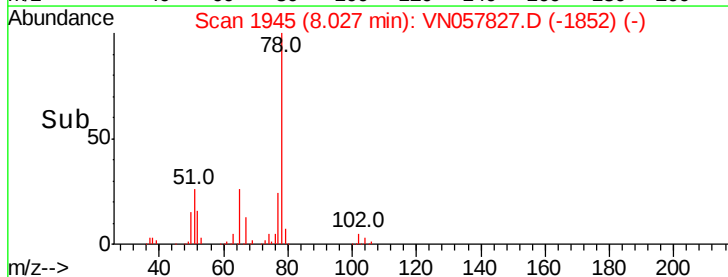
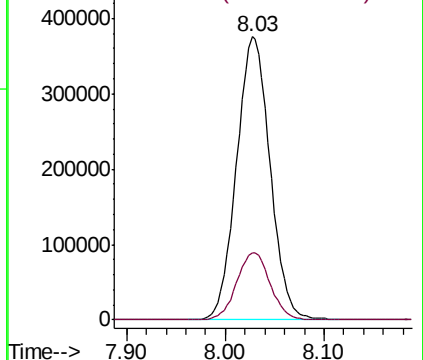


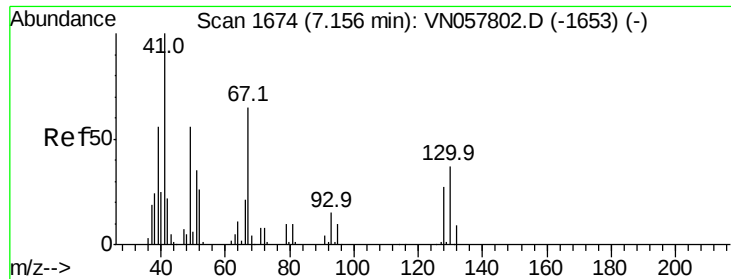
#40
Benzene
Concen: 47.991 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 78 Resp: 884786
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

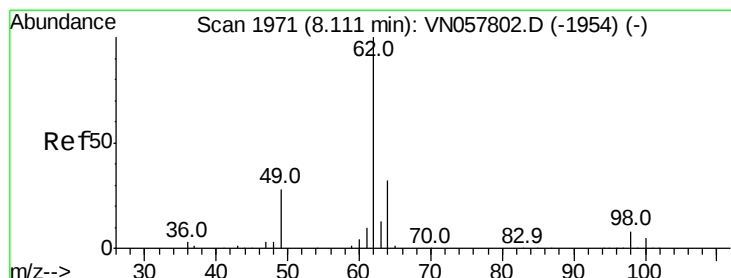
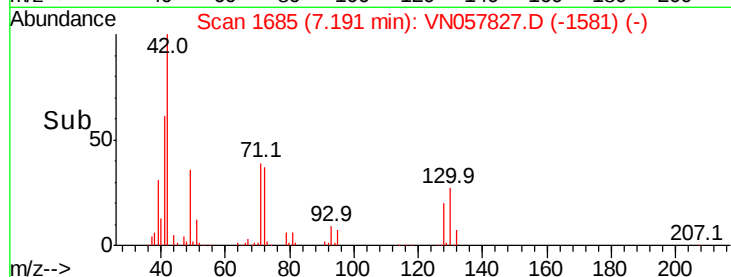
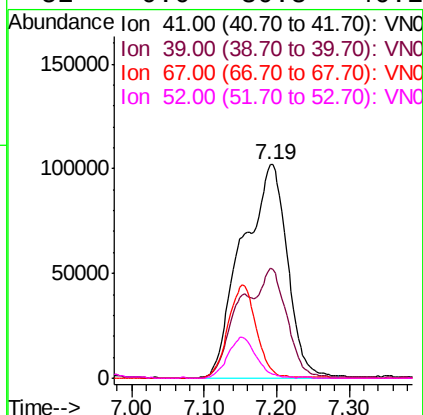
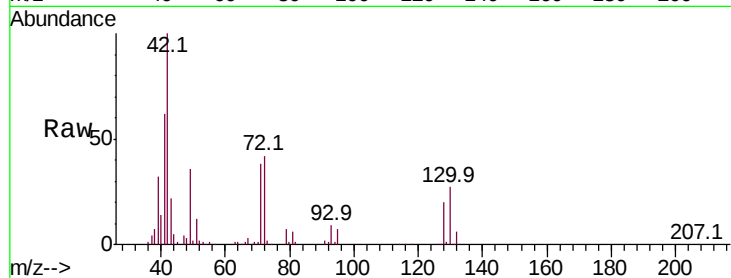




#41
Methacrylonitrile
Concen: 153.689 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

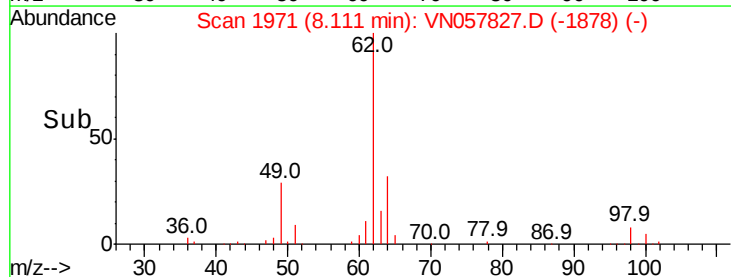
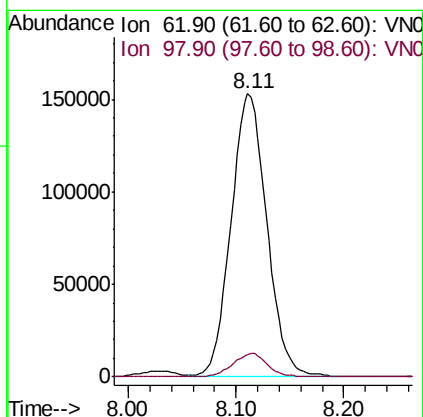
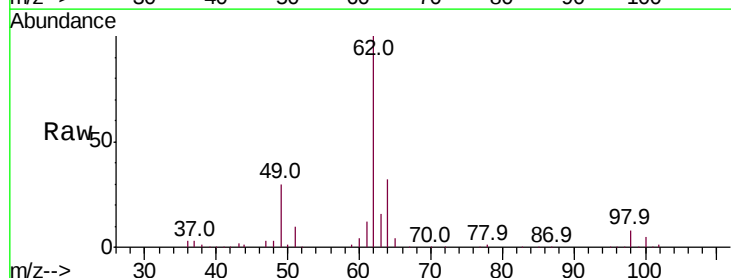
Instrument :
MSVOA_N
ClientSampleId :

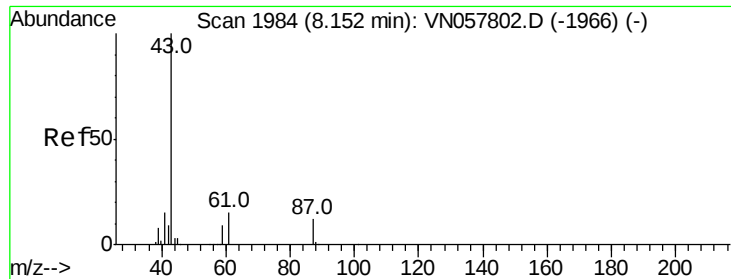
Tot Ion: 41 Resp: 441402
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 47.694 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 62 Resp: 351672
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 49.205 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

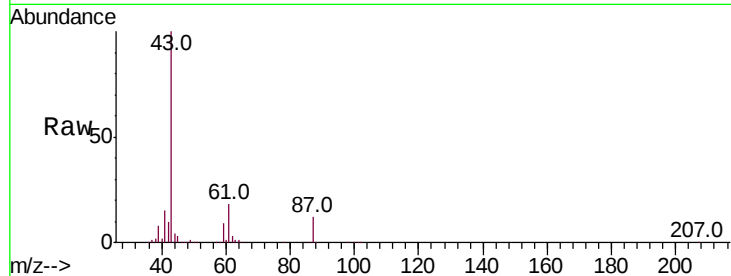
Tot Ion: 43 Resp: 523538

Ion Ratio Lower Upper

43 100

61 18.3 20.1 30.1#

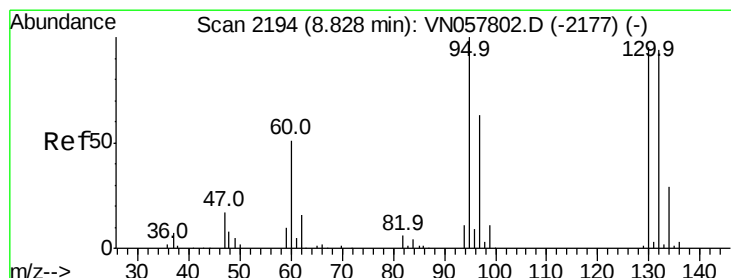
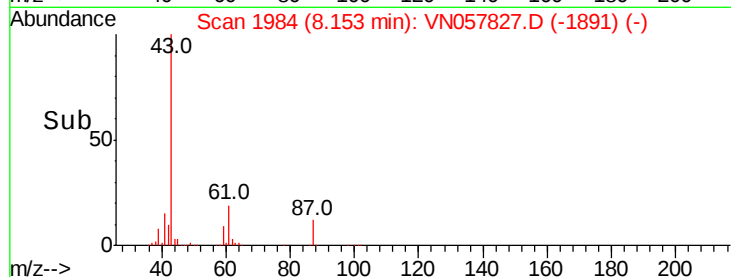
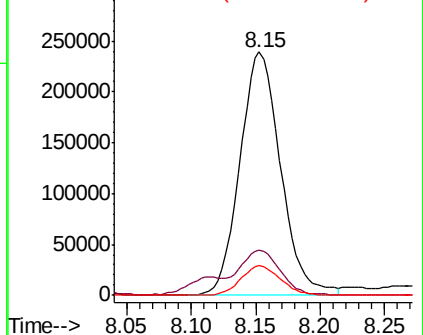
87 12.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 47.186 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057827.D

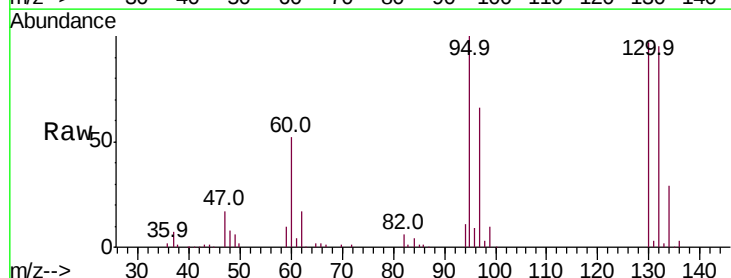
Acq: 10 Sep 2019 1:22

Tgt Ion: 130 Resp: 213375

Ion Ratio Lower Upper

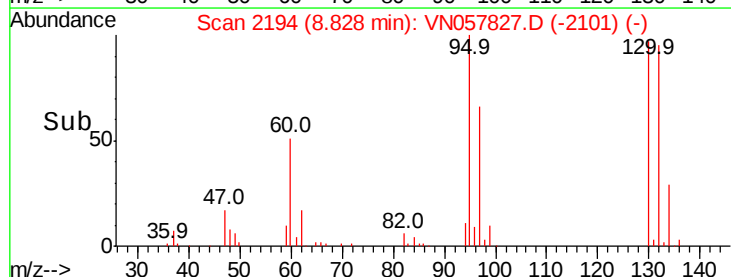
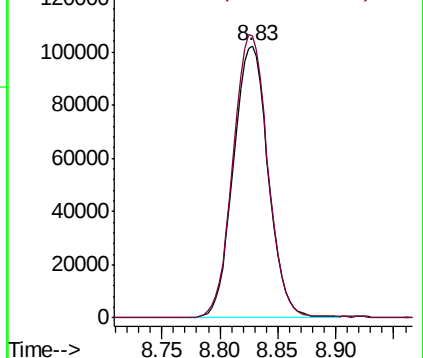
130 100

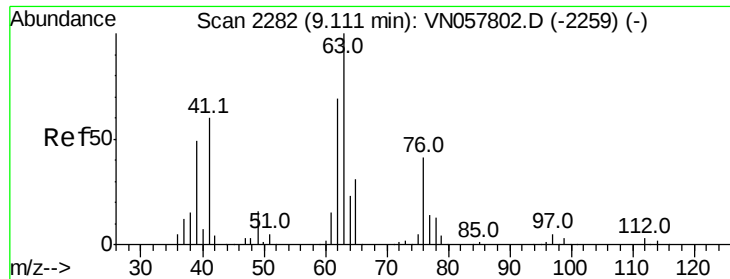
95 103.6 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)





#45

1,2-Dichloropropane

Concen: 48.182 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

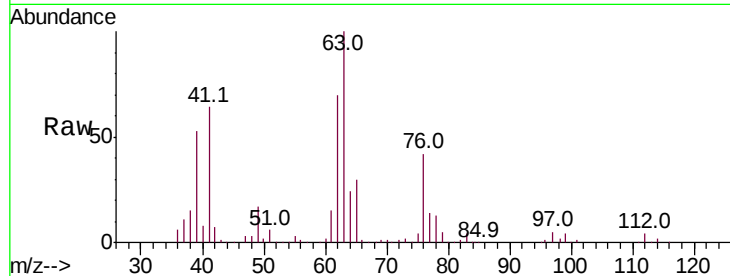
ClientSampled :

Tot Ion: 63 Resp: 258483

Ion Ratio Lower Upper

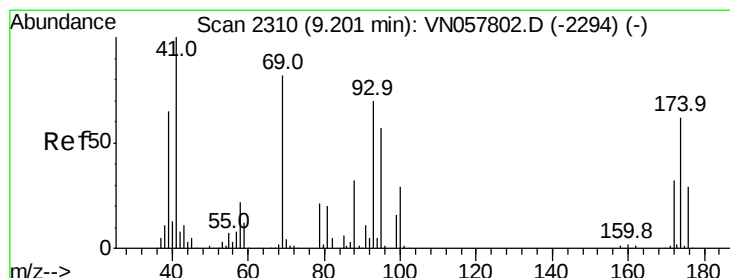
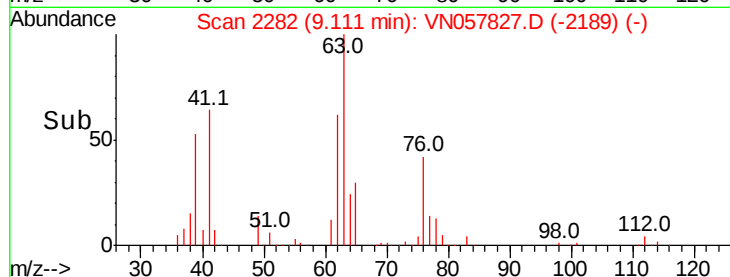
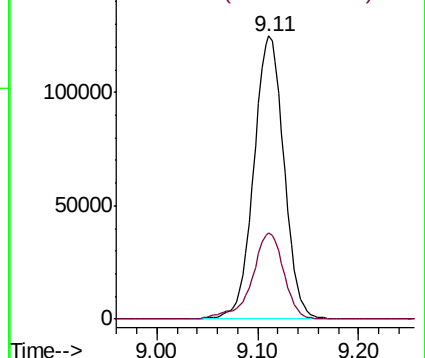
63 100

65 30.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.729 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

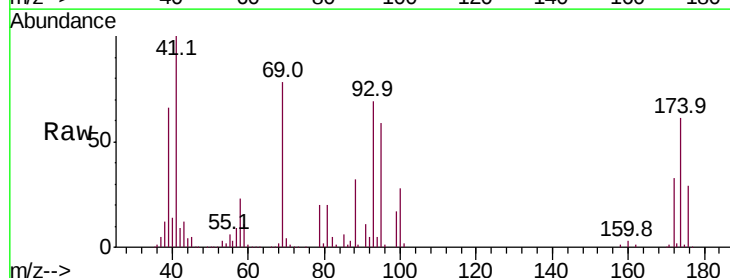
Tgt Ion: 93 Resp: 157972

Ion Ratio Lower Upper

93 100

95 84.4 65.9 98.9

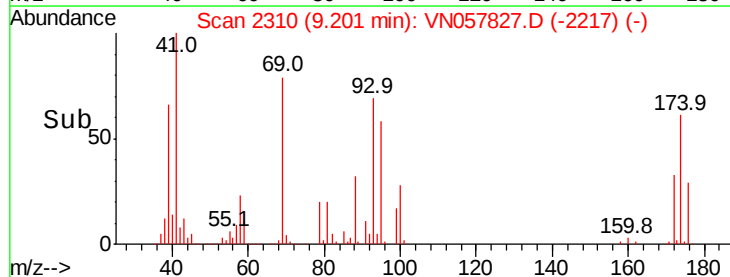
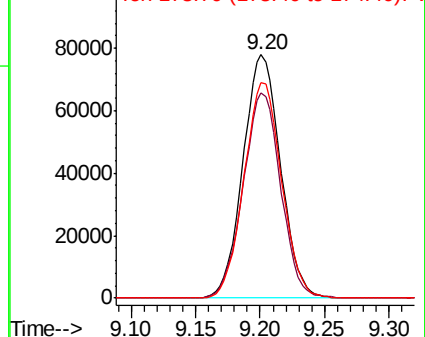
174 89.2 71.8 107.6

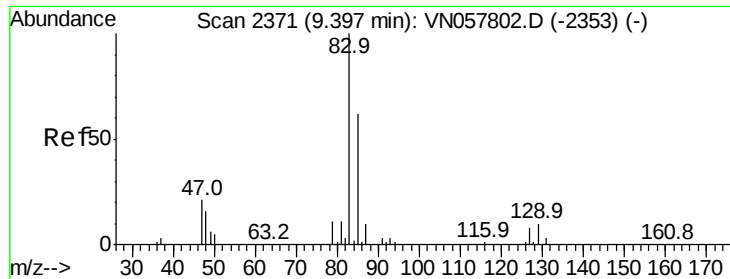


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.740 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampled :

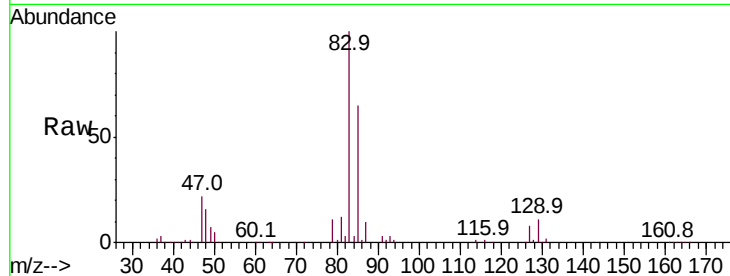
Tot Ion: 83 Resp: 328469

Ion Ratio Lower Upper

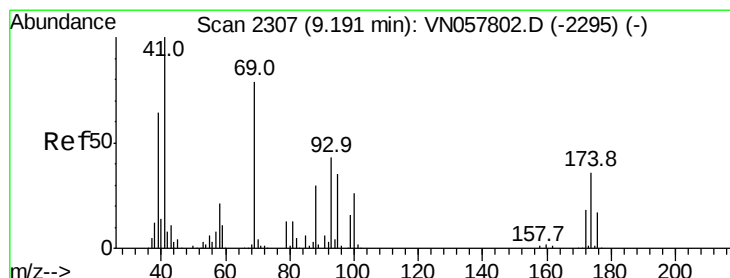
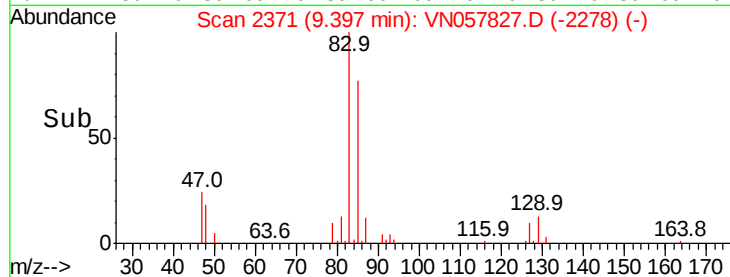
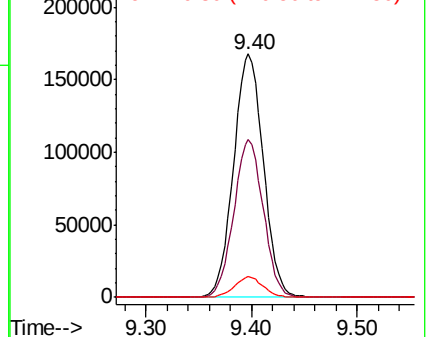
83 100

85 64.9 49.9 74.9

127 8.4 6.5 9.7



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



#48

Methyl methacrylate

Concen: 47.768 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

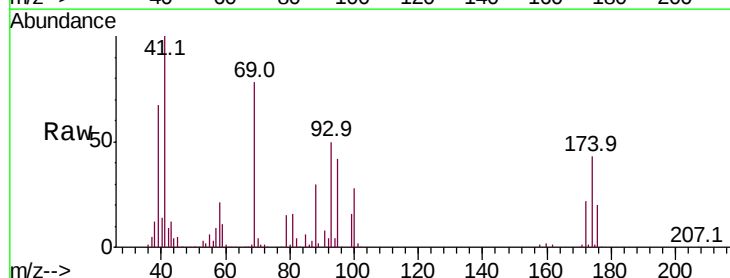
Tgt Ion: 41 Resp: 257820

Ion Ratio Lower Upper

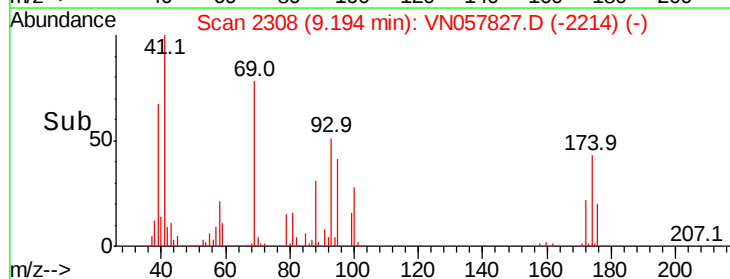
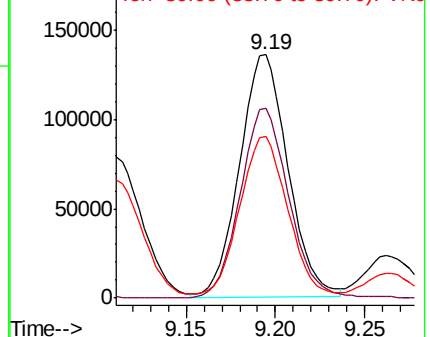
41 100

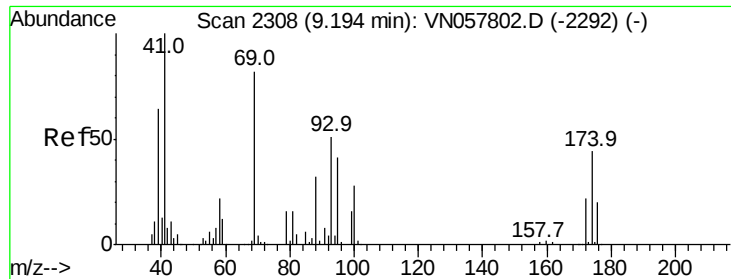
69 79.3 62.7 94.1

39 67.0 52.7 79.1



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

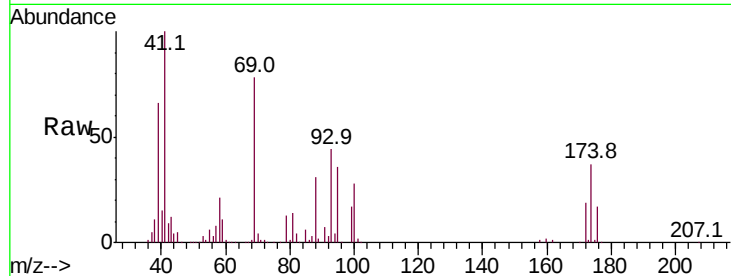




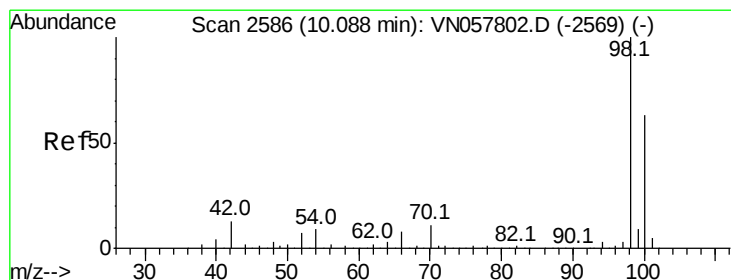
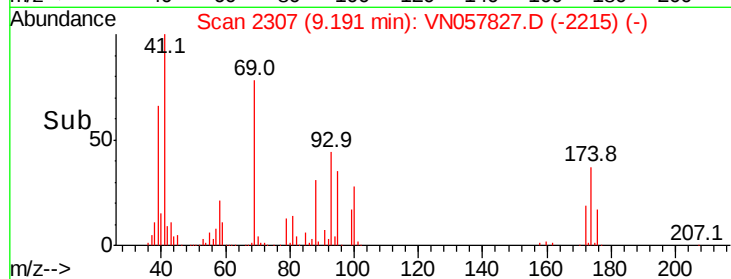
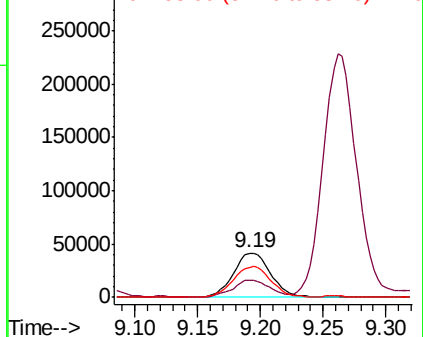
#49
 1,4-Dioxane
 Concen: 941.108 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 85898
 Ion Ratio Lower Upper
 88 100
 43 35.4 28.5 42.7
 58 70.6 55.8 83.6

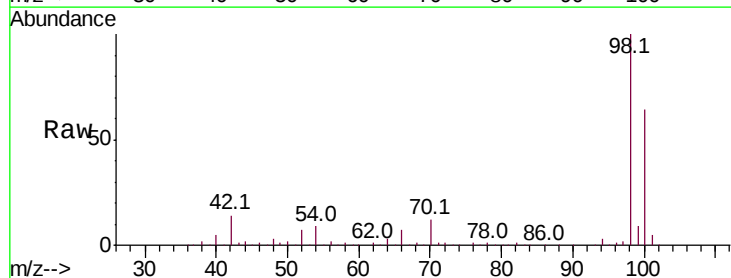


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

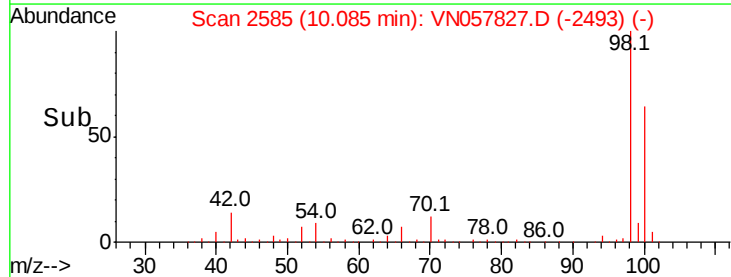
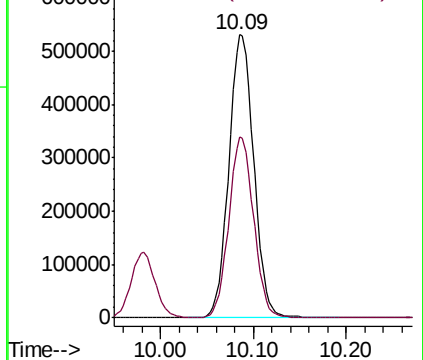


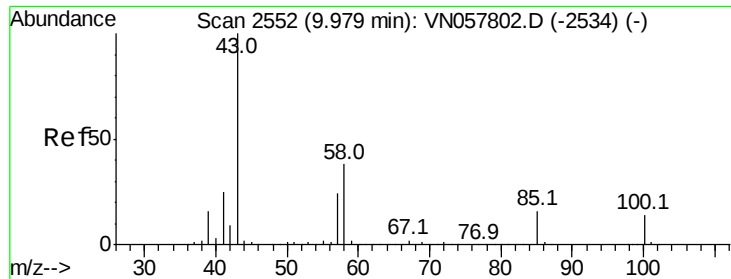
#50
 Toluene-d8
 Concen: 52.236 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion: 98 Resp: 988397
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.3 75.5



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





#51

4-Methyl-2-Pentanone

Concen: 261.710 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

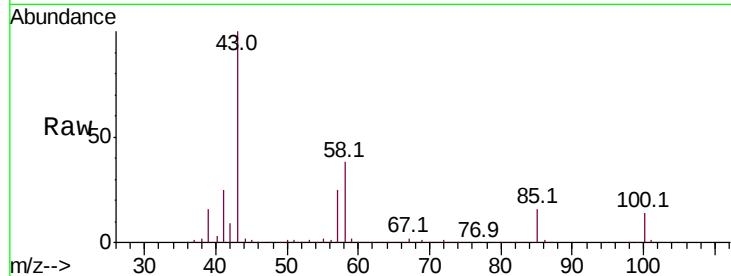
ClientSampled :

Tot Ion: 43 Resp: 1647837

Ion Ratio Lower Upper

43 100

58 37.3 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

800000

600000

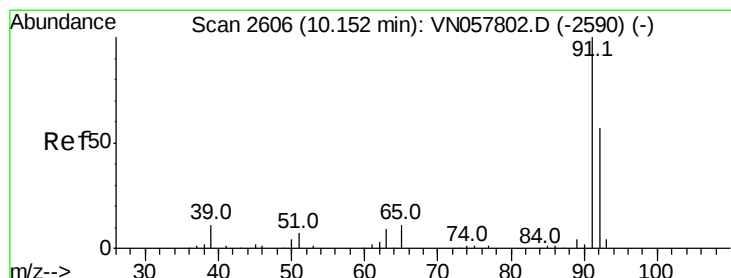
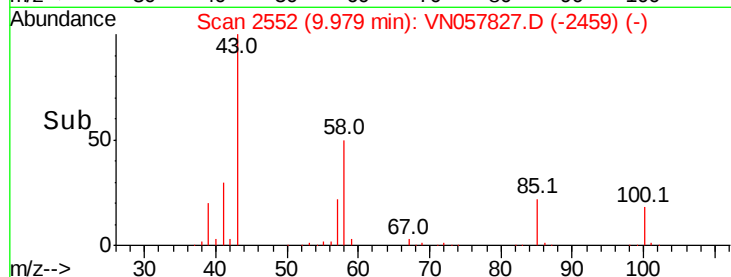
400000

200000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 48.136 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057827.D

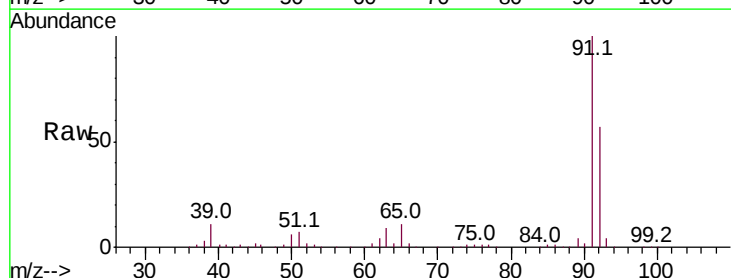
Acq: 10 Sep 2019 1:22

Tgt Ion: 92 Resp: 558962

Ion Ratio Lower Upper

92 100

91 177.8 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

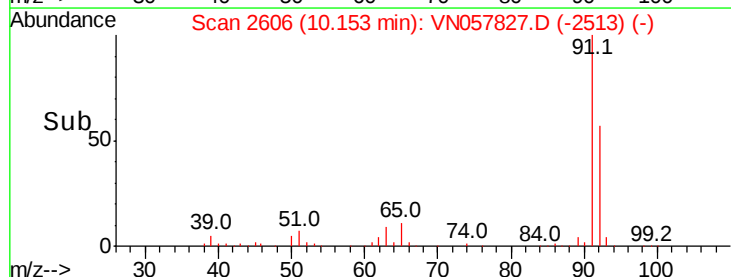
200000

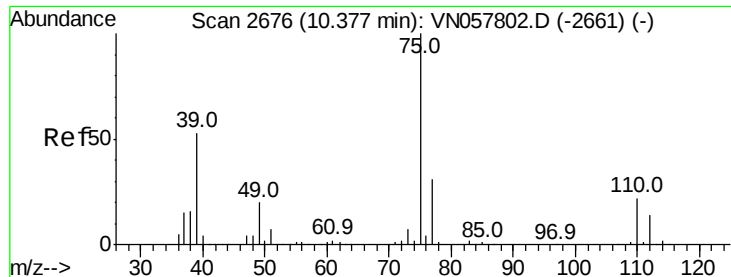
100000

0

Time-->

10.10 10.20





#53

t-1,3-Dichloropropene

Concen: 49.335 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

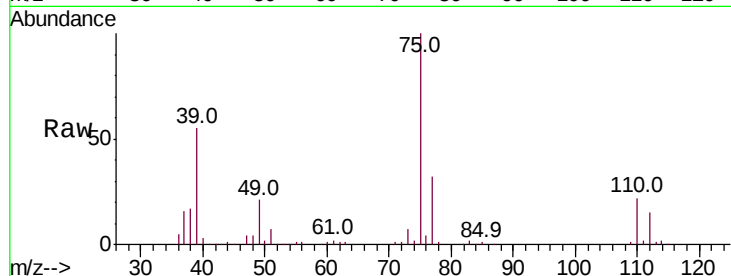
ClientSampleId :

Tot Ion: 75 Resp: 336320

Ion Ratio Lower Upper

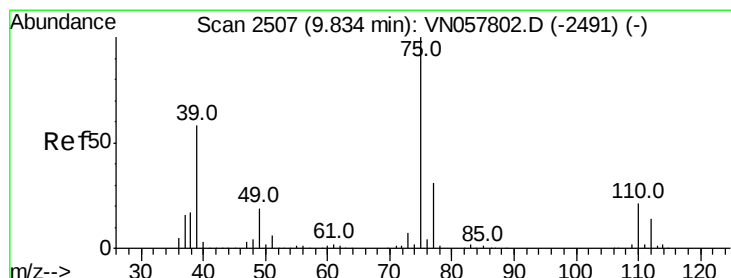
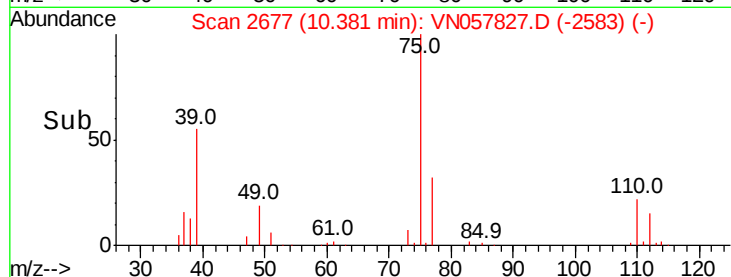
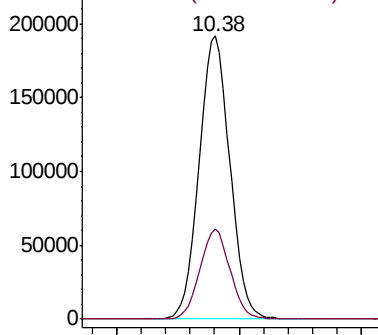
75 100

77 31.8 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.337 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

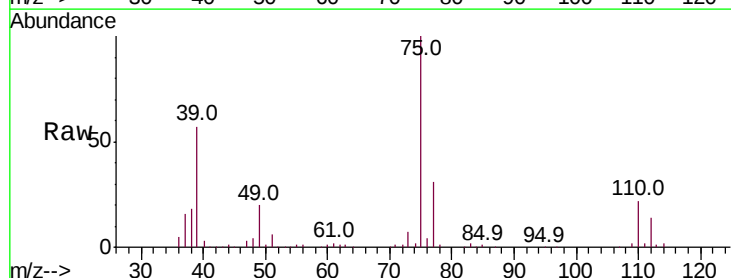
Tgt Ion: 75 Resp: 363808

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

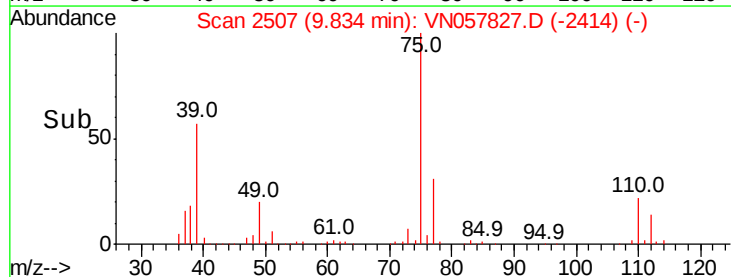
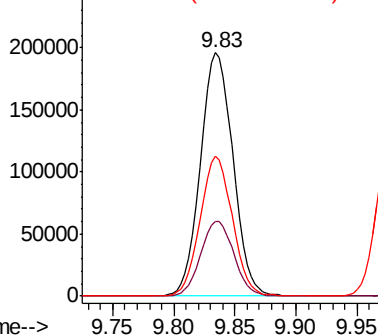
39 57.2 46.2 69.4

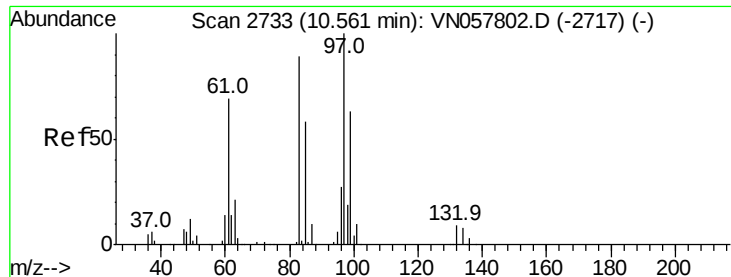


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 48.568 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

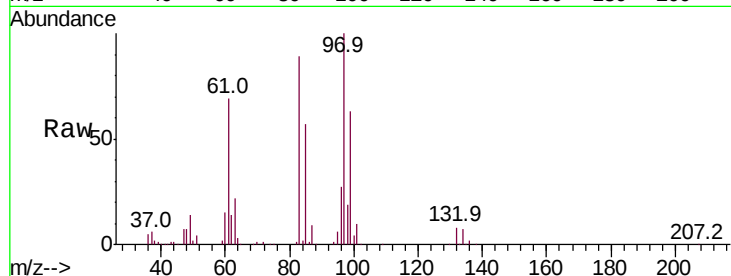
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 238896

Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.8	106.2
85	56.6	46.0	69.0
99	62.7	50.6	76.0



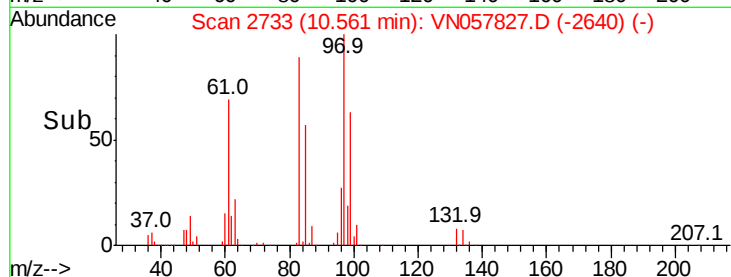
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->

10.56

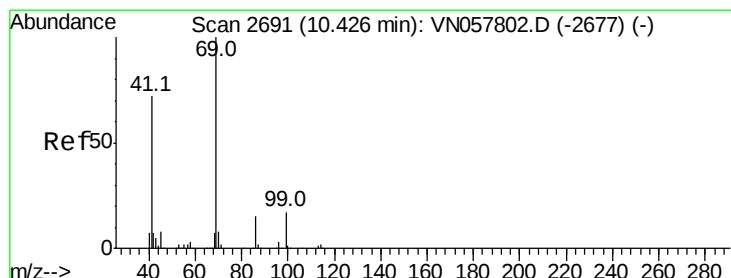
150000

100000

50000

0

10.50 10.55 10.60



#56

Ethyl methacrylate

Concen: 50.116 ug/l

RT: 10.43 min Scan# 2691

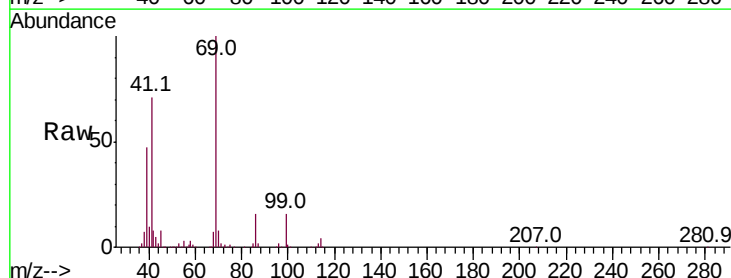
Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion: 69 Resp: 371217

Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	46.3	36.3	54.5

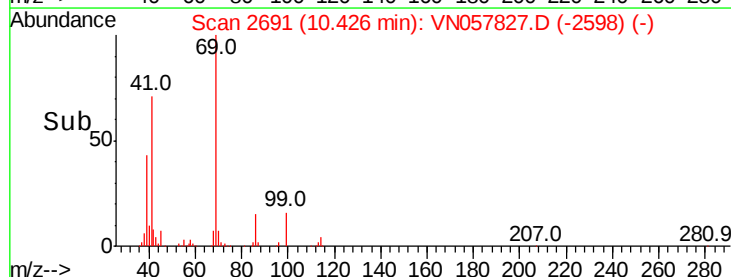


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

10.43

300000

250000

200000

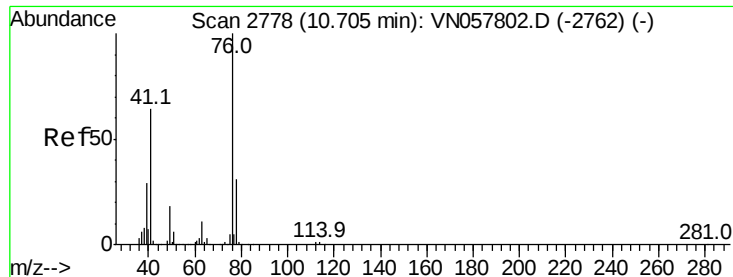
150000

100000

50000

0

10.40 10.45 10.50



#57

1,3-Dichloropropane

Concen: 48.925 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

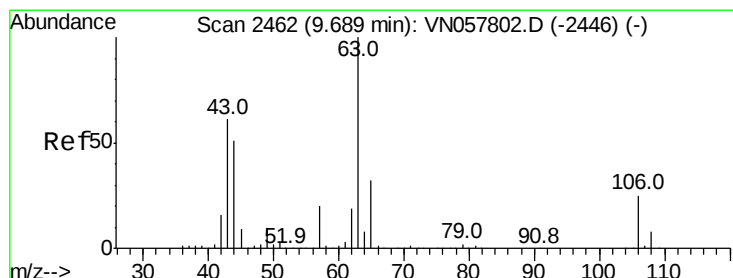
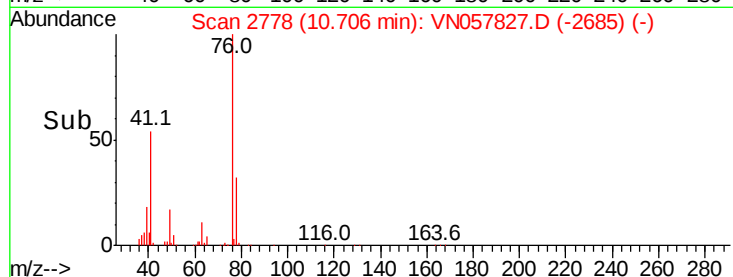
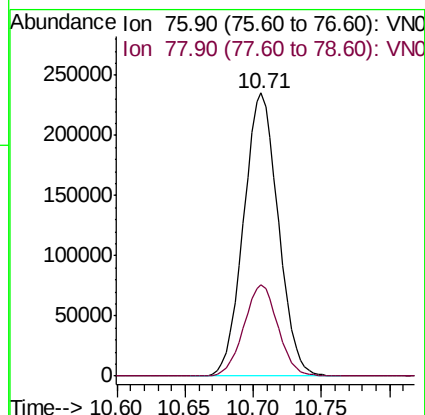
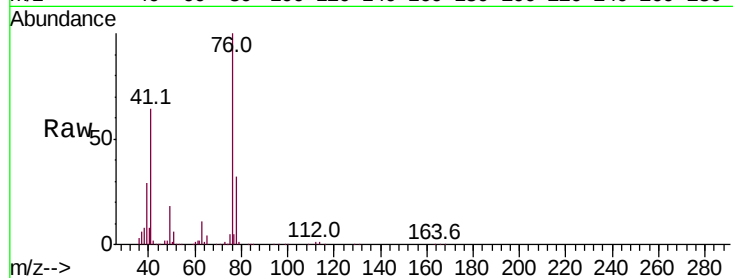
ClientSampled :

Tot Ion: 76 Resp: 414732

Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 255.609 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057827.D

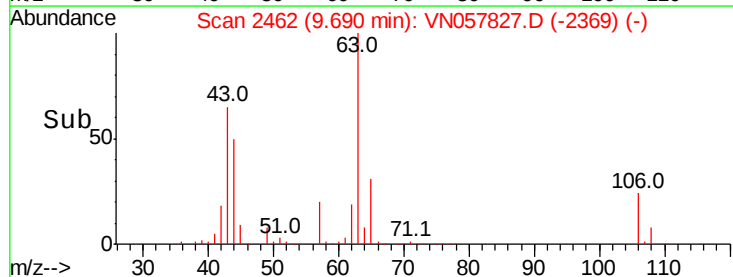
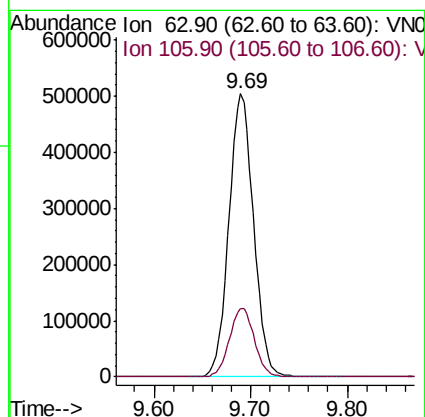
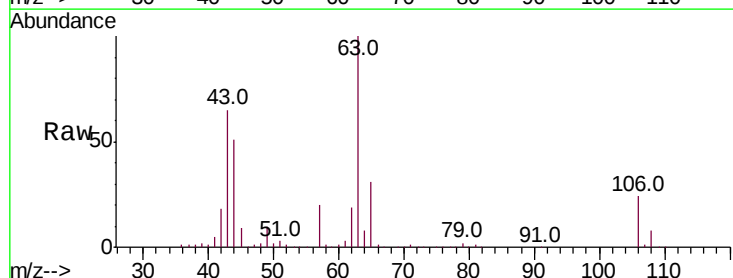
Acq: 10 Sep 2019 1:22

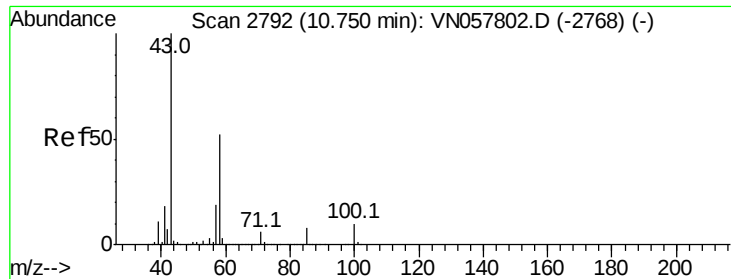
Tgt Ion: 63 Resp: 891745

Ion Ratio Lower Upper

63 100

106 24.7 20.0 30.0

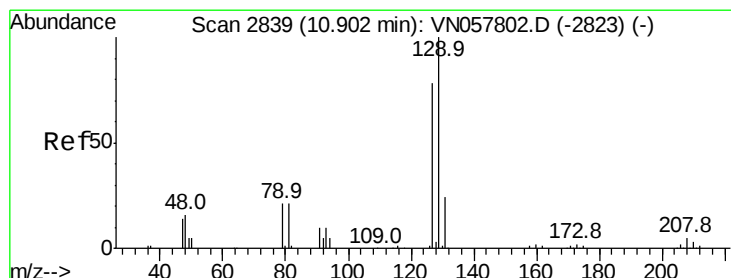
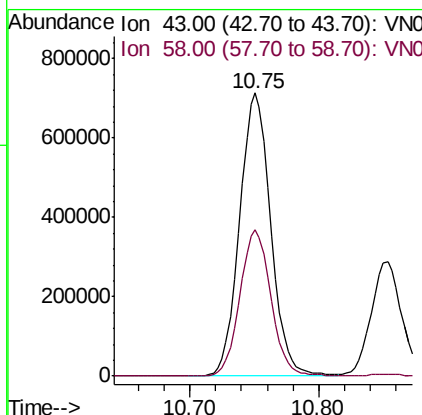
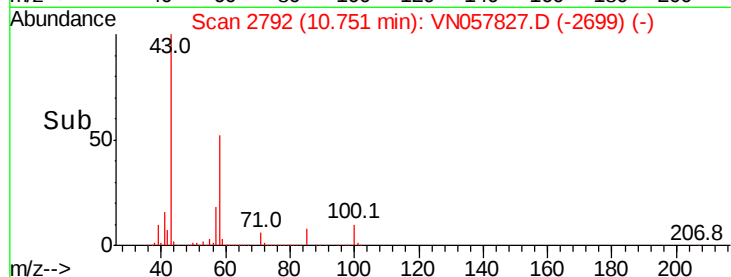
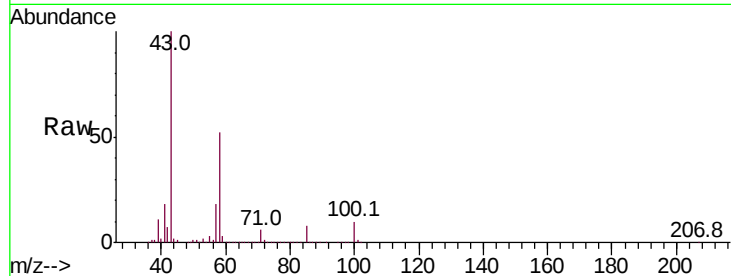




#59
2-Hexanone
Concen: 253.218 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

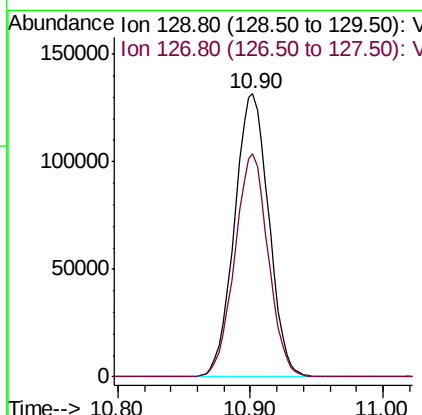
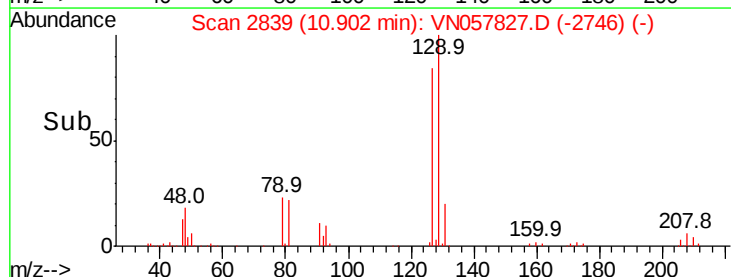
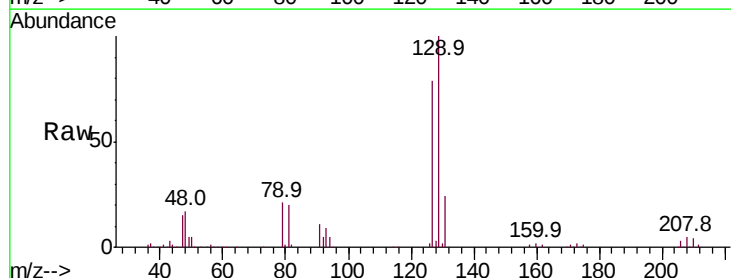
Instrument :
MSVOA_N
ClientSampleId :

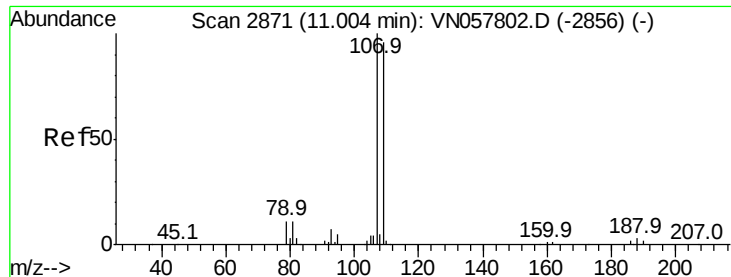
Tot Ion: 43 Resp: 1195042
Ion Ratio Lower Upper
43 100
58 51.8 25.6 76.8



#60
Dibromochloromethane
Concen: 51.709 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 129 Resp: 236181
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0

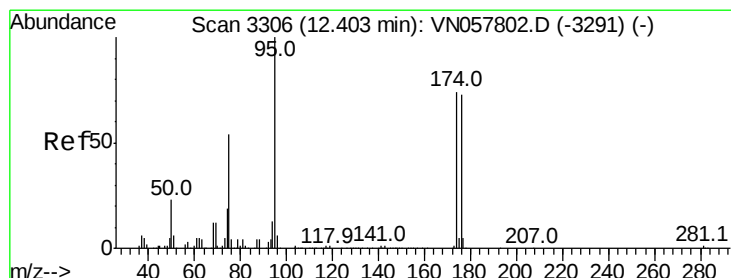
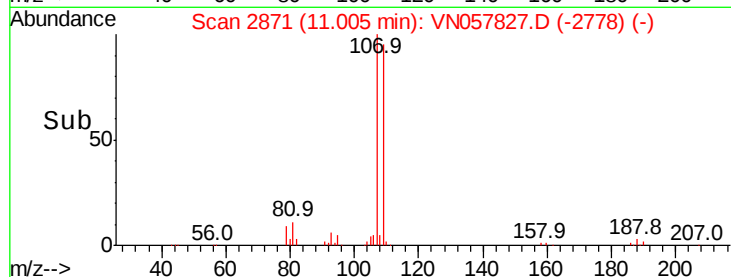
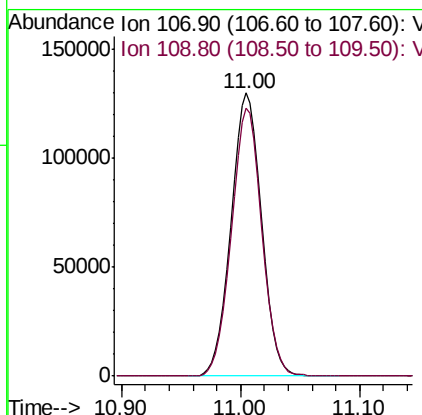
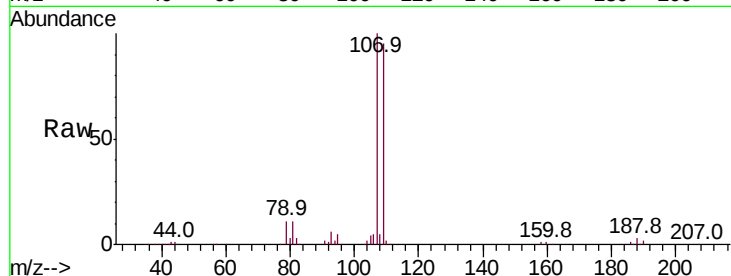




#61
 1,2-Dibromoethane
 Concen: 49.512 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

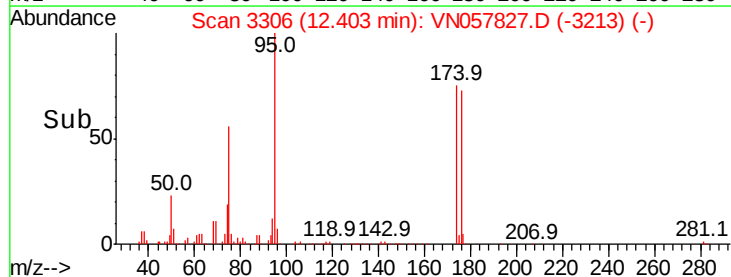
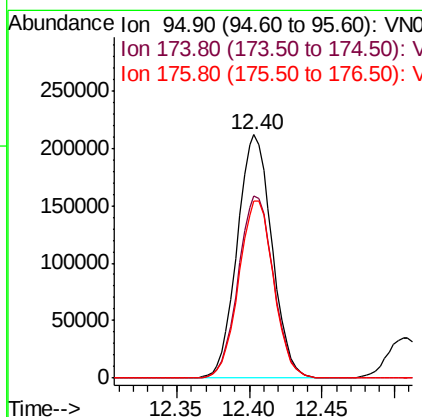
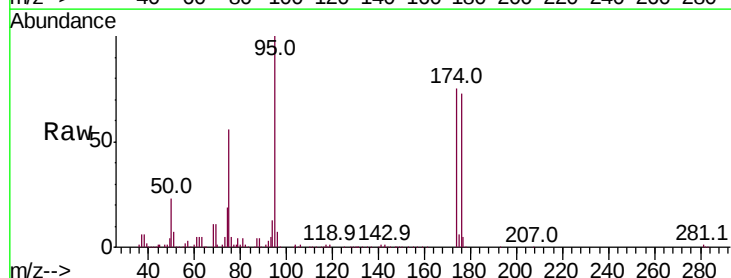
Instrument :
 MSVOA_N
 ClientSampled :

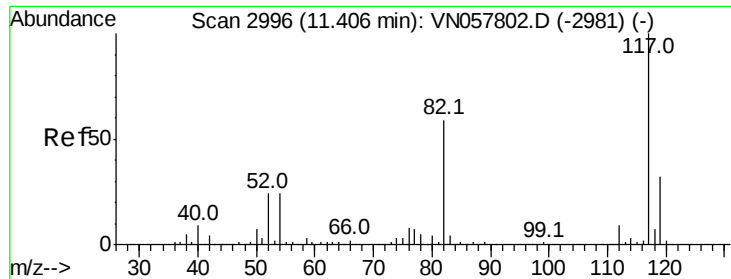
Tot Ion:107 Resp: 230240
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 48.805 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion: 95 Resp: 351926
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 150.2
 176 73.4 0.0 146.0

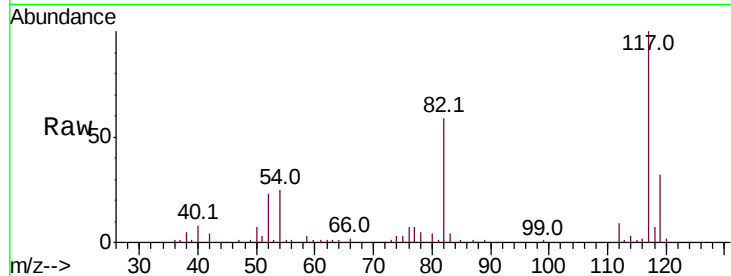




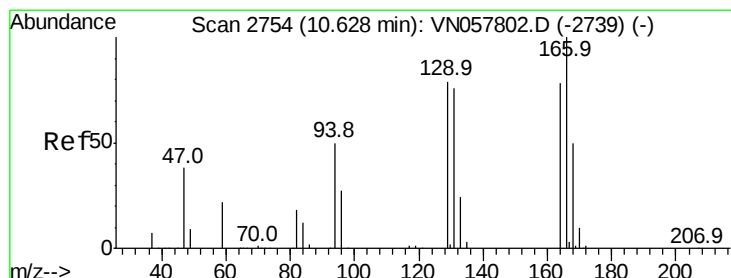
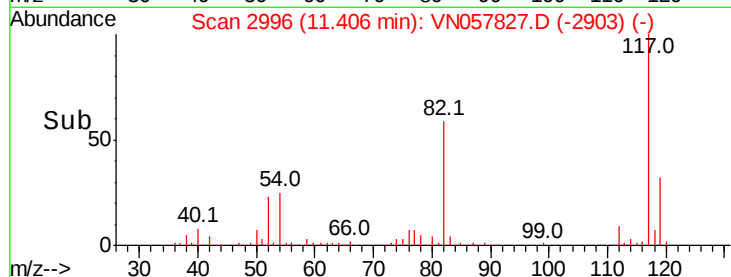
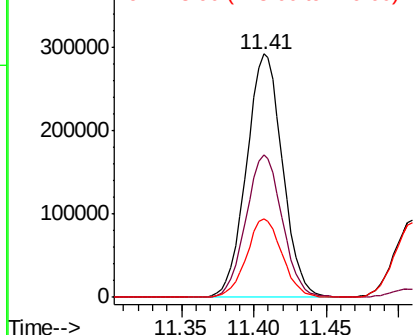
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 506532
Ion Ratio Lower Upper
117 100
82 58.6 47.2 70.8
119 32.5 25.3 37.9

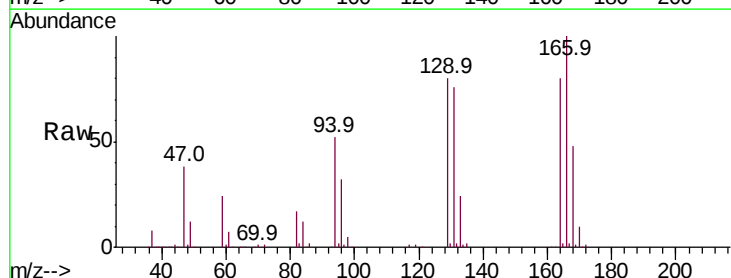


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

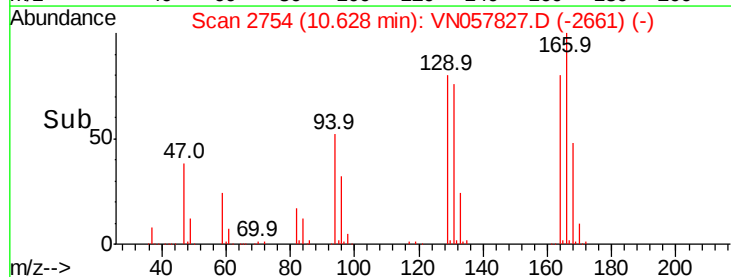
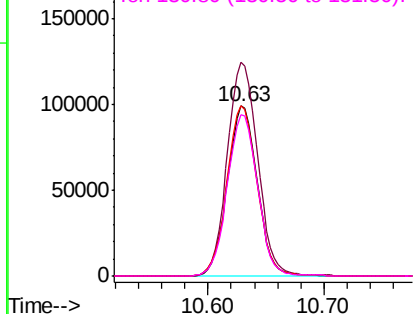


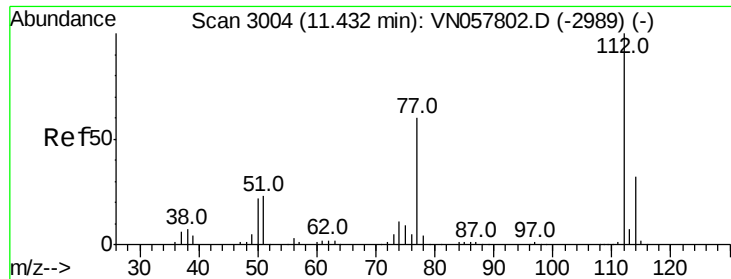
#64
Tetrachloroethene
Concen: 47.378 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion:164 Resp: 177194
Ion Ratio Lower Upper
164 100
166 125.6 102.2 153.2
129 100.4 80.8 121.2
131 95.2 77.4 116.2



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

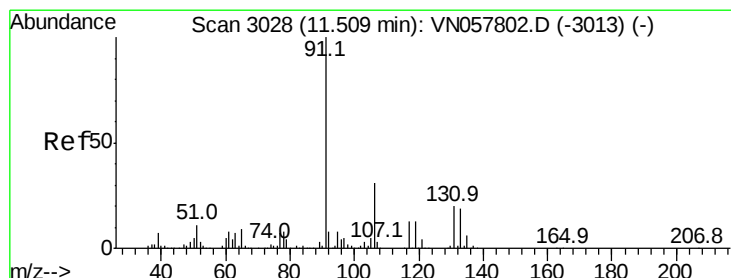
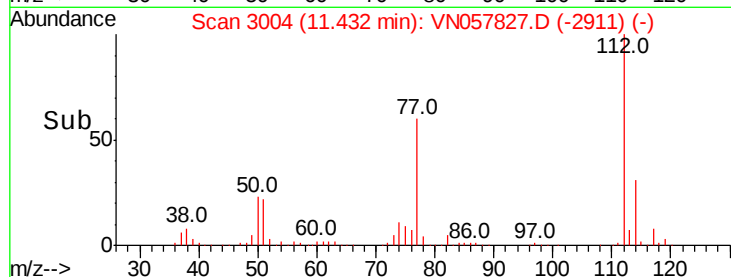
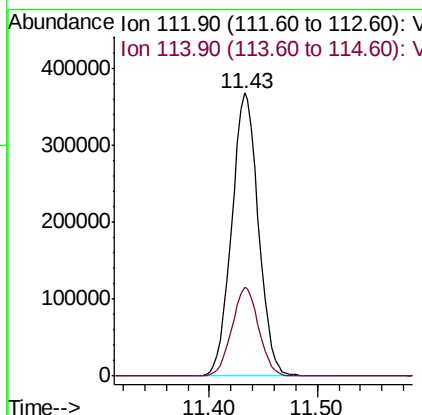
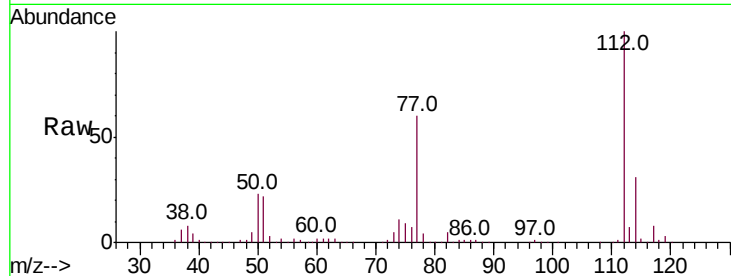




#65
Chlorobenzene
Concen: 48.103 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

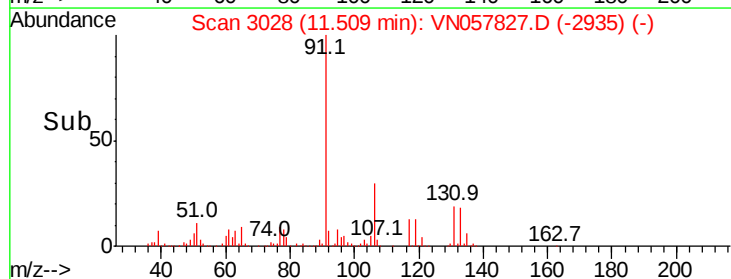
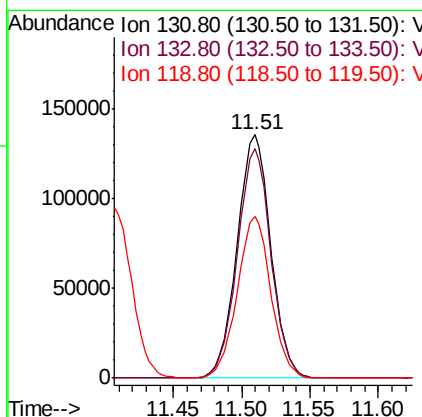
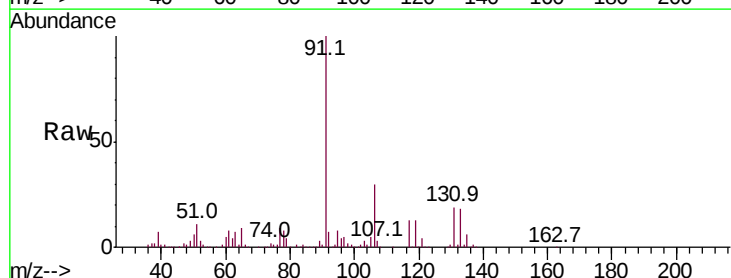
Instrument :
MSVOA_N
ClientSampled :

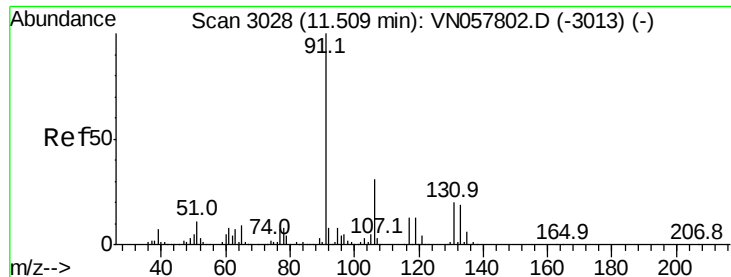
Tot Ion:112 Resp: 637663
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.443 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion:131 Resp: 232032
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 66.2 33.3 99.8





#67

Ethyl Benzene

Concen: 49.690 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

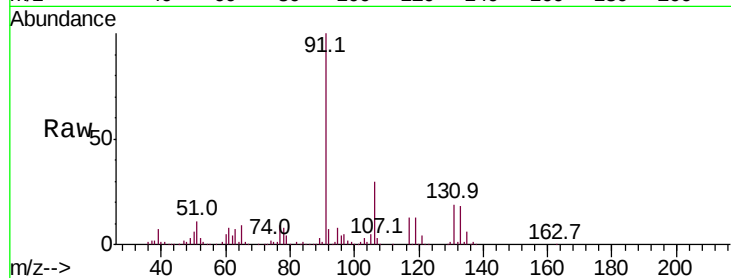
ClientSampled :

Tot Ion: 91 Resp: 1154396

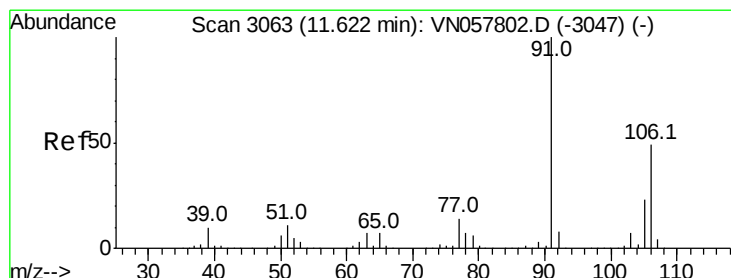
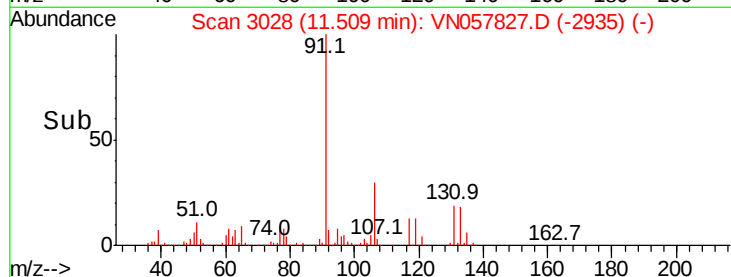
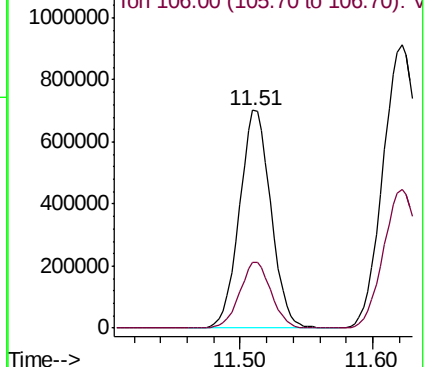
Ion Ratio Lower Upper

91 100

106 30.0 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN057827.D (-2935) (-)



#68

m/p-Xylenes

Concen: 99.284 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057827.D

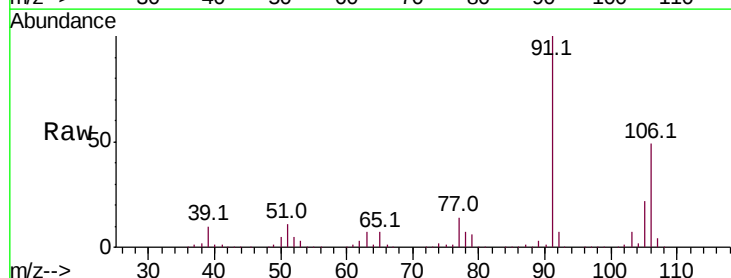
Acq: 10 Sep 2019 1:22

Tgt Ion: 106 Resp: 844898

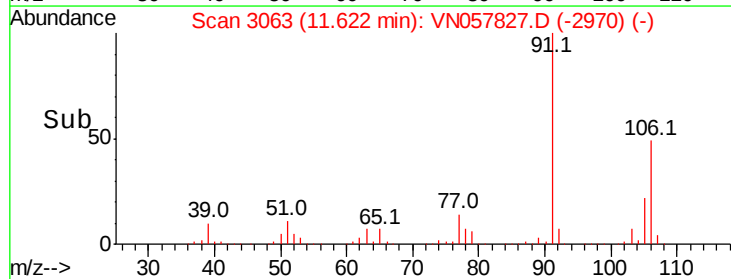
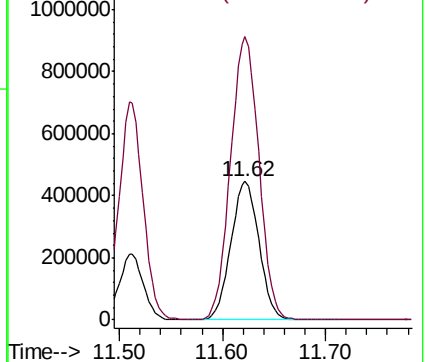
Ion Ratio Lower Upper

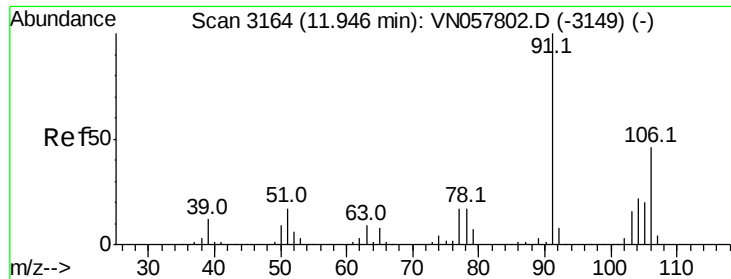
106 100

91 207.0 165.8 248.6



Abundance Ion 106.00 (105.70 to 106.70): VN057827.D (-2970) (-)

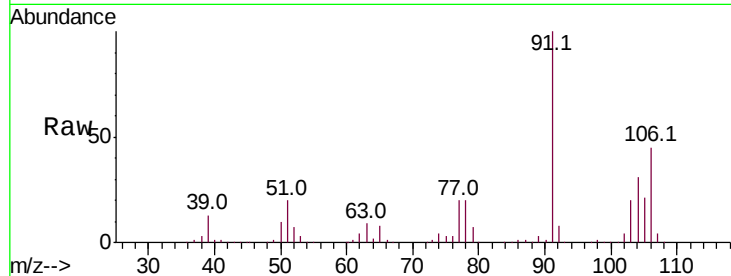




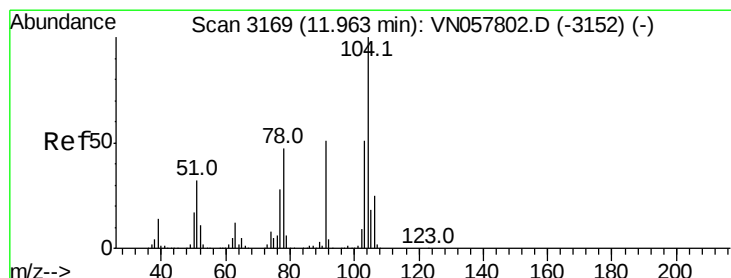
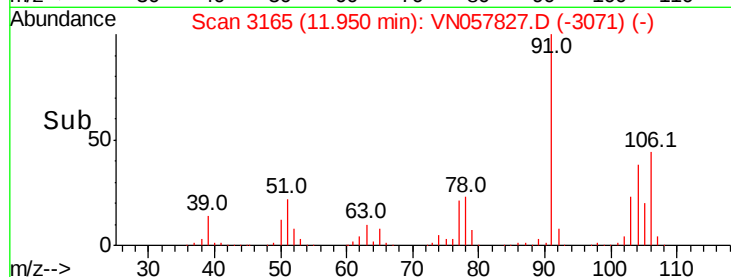
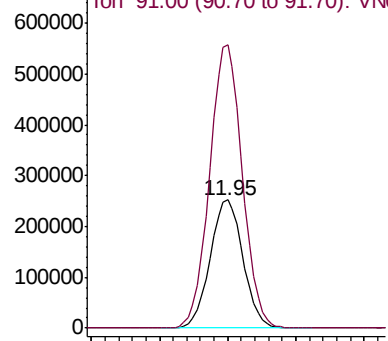
#69
o-Xylene
Concen: 49.757 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 420951
Ion Ratio Lower Upper
106 100
91 219.2 108.7 326.1

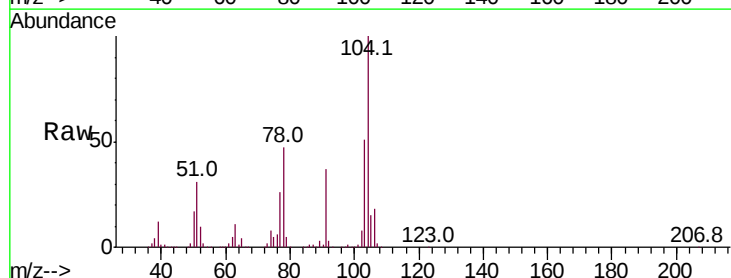


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

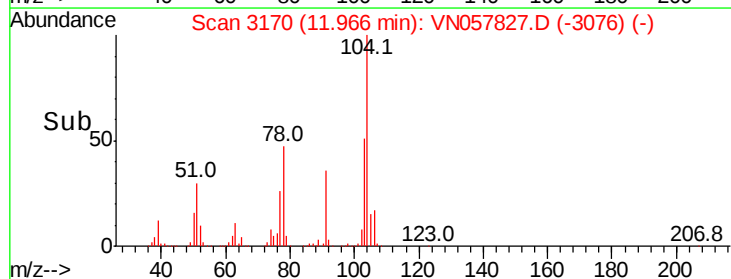
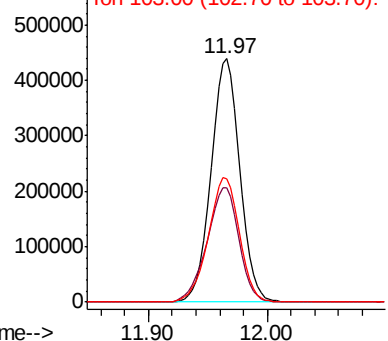


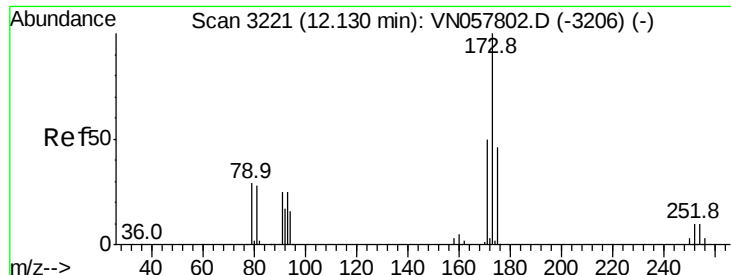
#70
Styrene
Concen: 50.517 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion:104 Resp: 735523
Ion Ratio Lower Upper
104 100
78 52.2 41.3 61.9
103 55.3 43.7 65.5



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

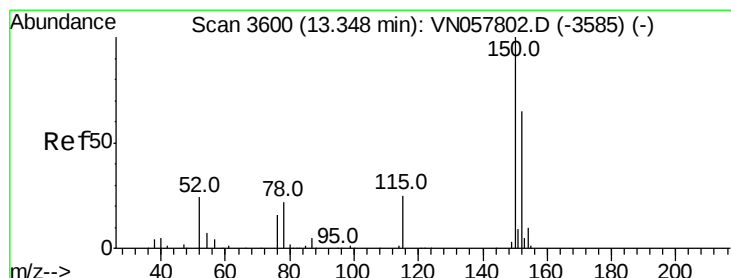
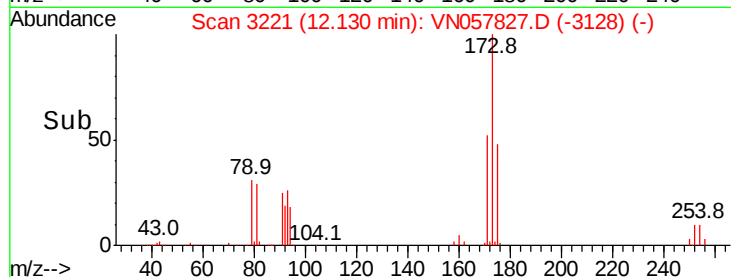
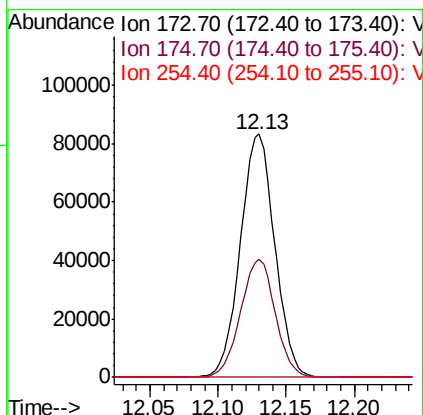
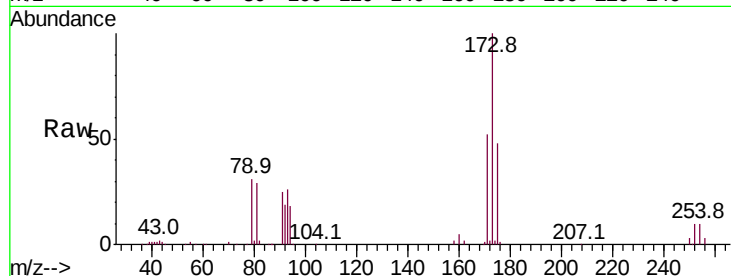




#71
Bromoform
Concen: 50.825 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

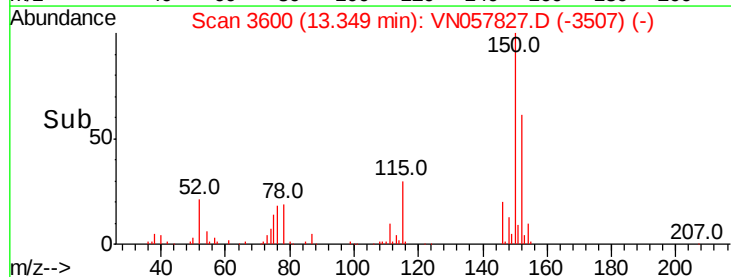
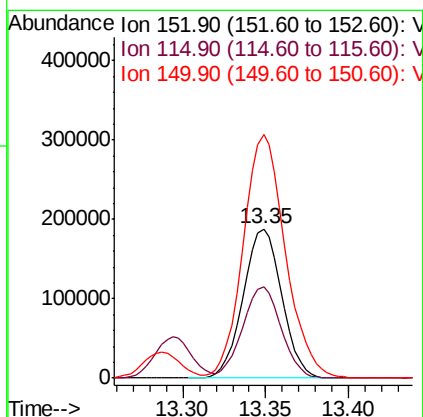
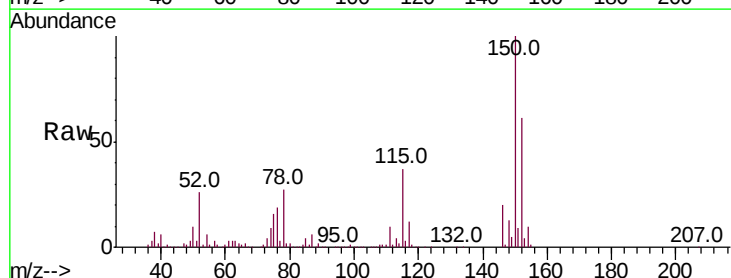
Instrument :
MSVOA_N
ClientSampled :

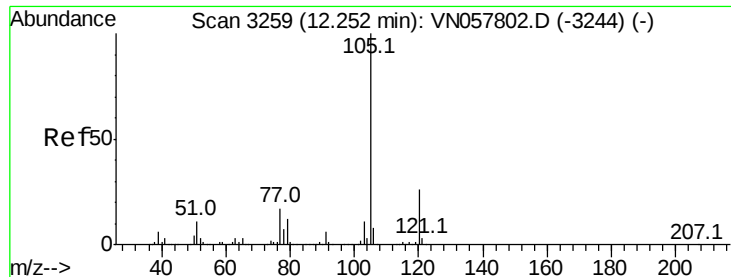
Tot Ion:173 Resp: 145759
Ion Ratio Lower Upper
173 100
175 48.8 23.5 70.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion:152 Resp: 306072
Ion Ratio Lower Upper
152 100
115 61.0 30.3 91.0
150 177.5 0.0 352.4





#73

Isopropylbenzene

Concen: 49.417 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

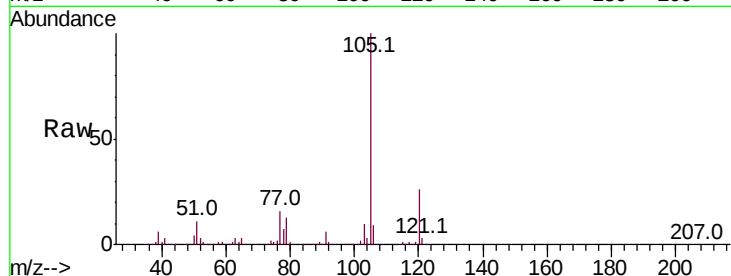
ClientSampled :

Tot Ion:105 Resp: 1173674

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

600000

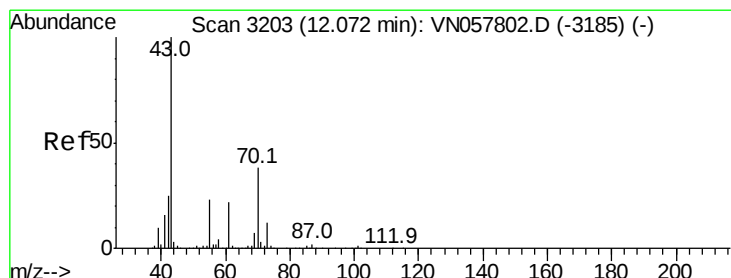
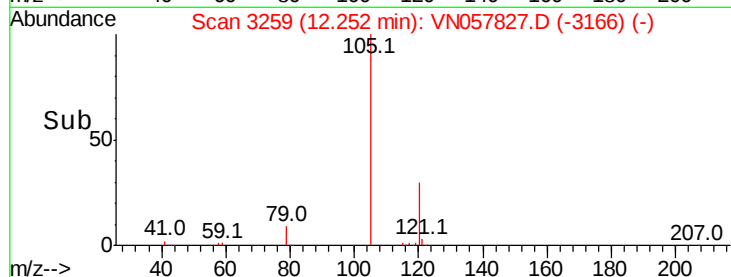
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 49.183 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion: 43 Resp: 508361

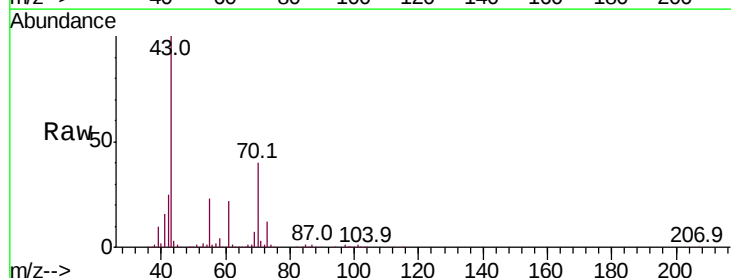
Ion Ratio Lower Upper

43 100

70 39.8 30.6 45.8

55 23.2 18.6 27.8

61 22.4 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

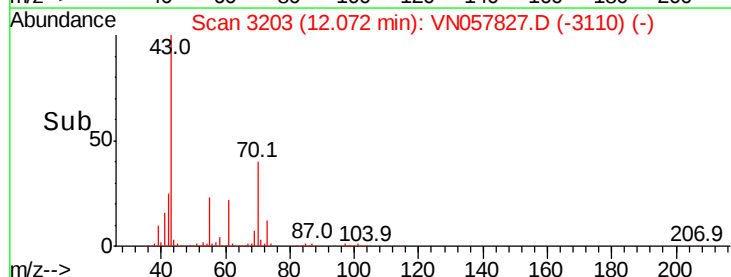
200000

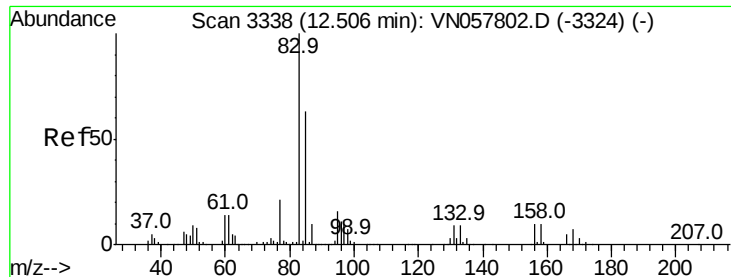
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 46.452 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

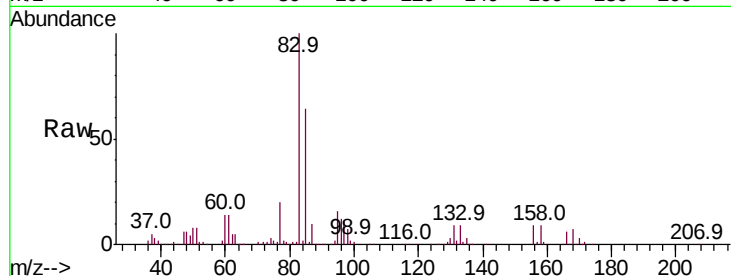
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 83 Resp: 371463

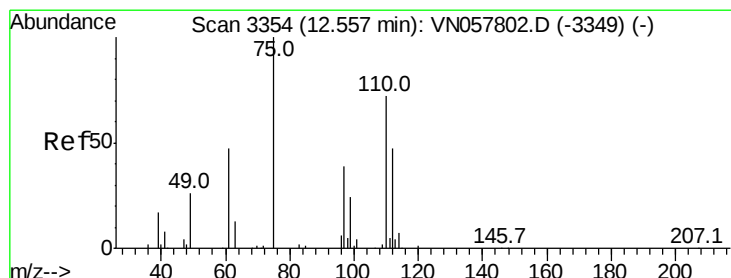
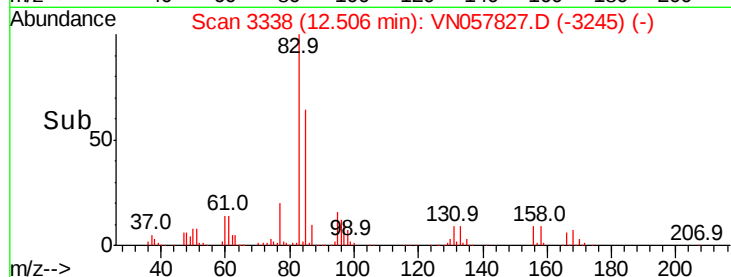
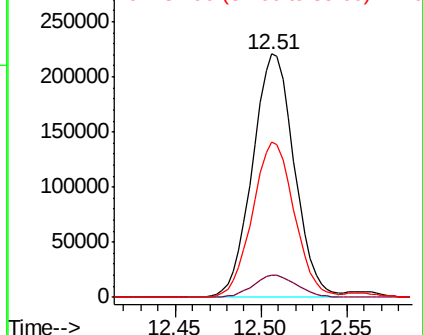
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.9	31.6	94.7



Abundance Ion 82.90 (82.60 to 83.60): VN057827.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN057827.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN057827.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 64.374 ug/l

RT: 12.56 min Scan# 3354

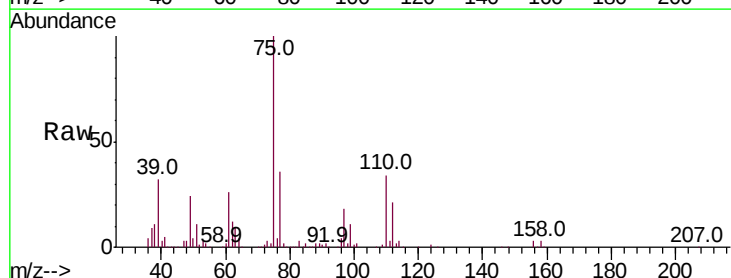
Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

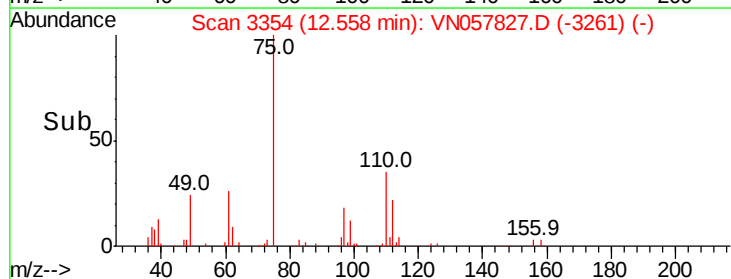
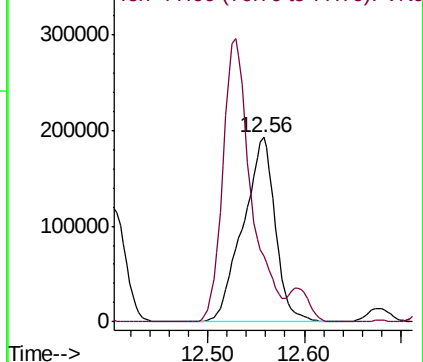
Tgt Ion: 75 Resp: 445719

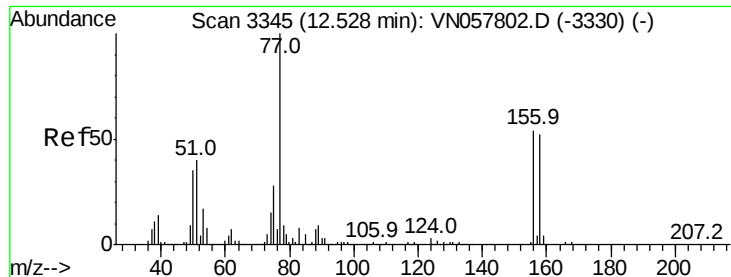
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057827.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN057827.D (-3261) (-)





#77

Bromobenzene

Concen: 45.802 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

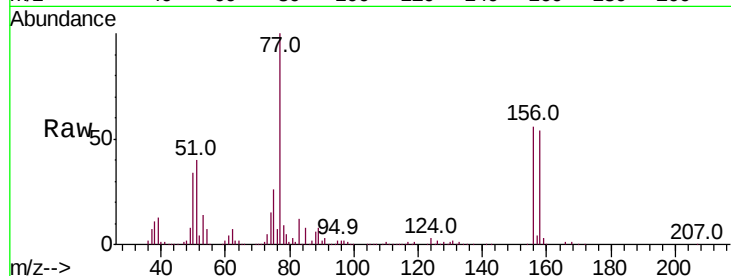
Tot Ion:156 Resp: 271215

Ion Ratio Lower Upper

156 100

77 223.7 113.7 341.1

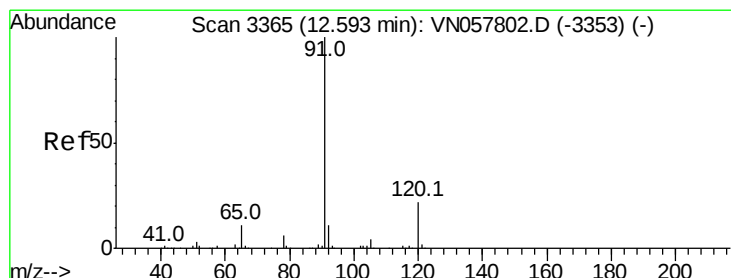
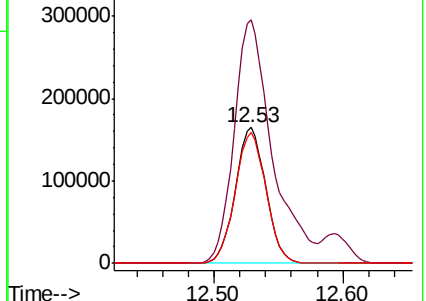
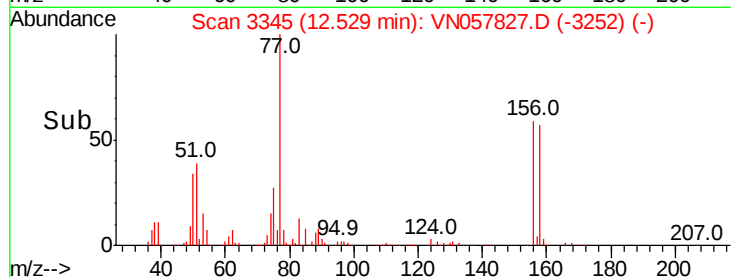
158 97.4 48.5 145.6



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: 50.313 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057827.D

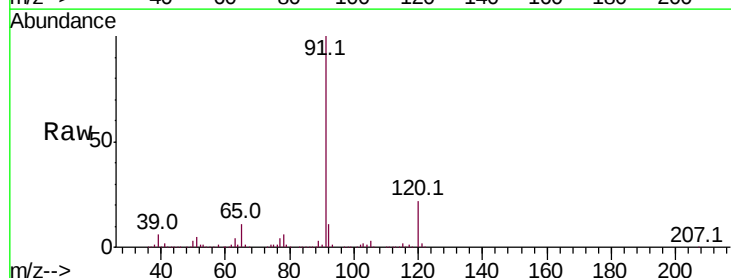
Acq: 10 Sep 2019 1:22

Tgt Ion: 91 Resp: 1372174

Ion Ratio Lower Upper

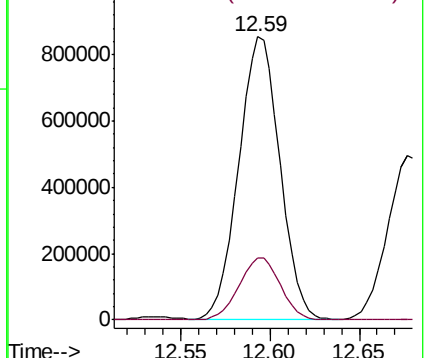
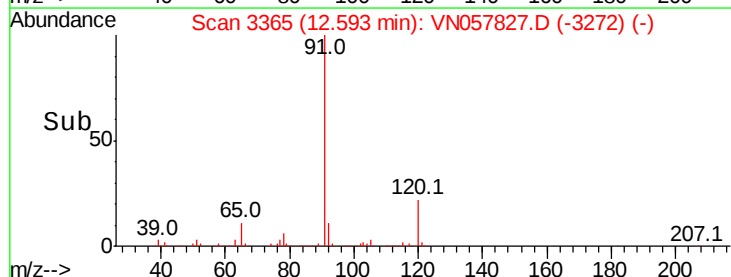
91 100

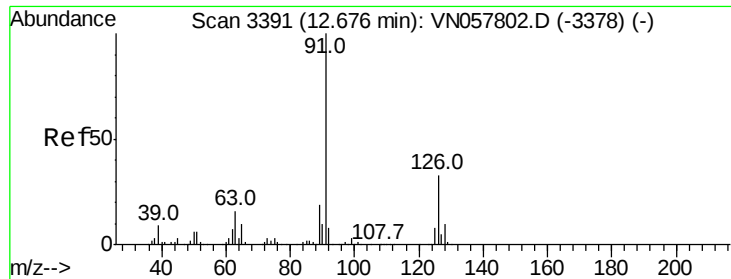
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.001 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

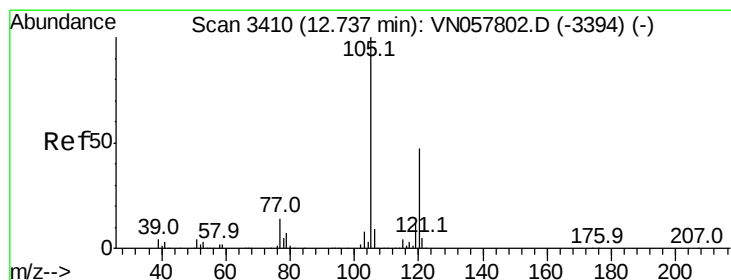
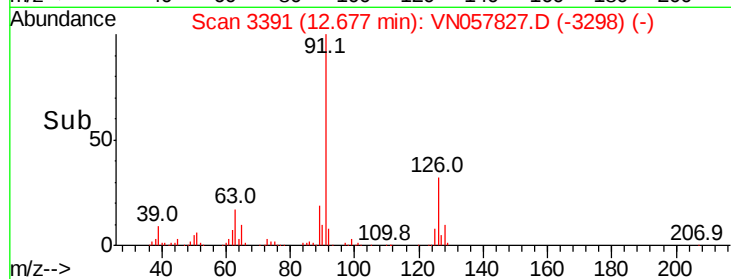
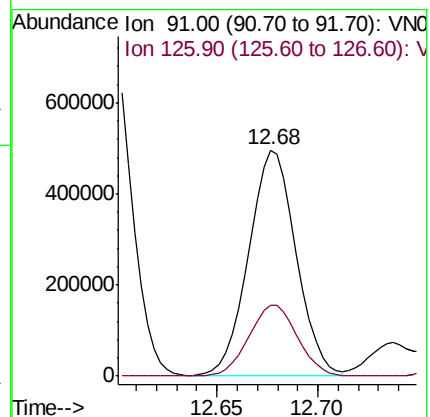
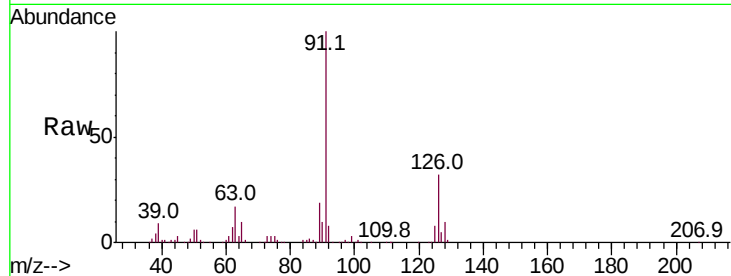
ClientSampled :

Tot Ion: 91 Resp: 810158

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 50.545 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057827.D

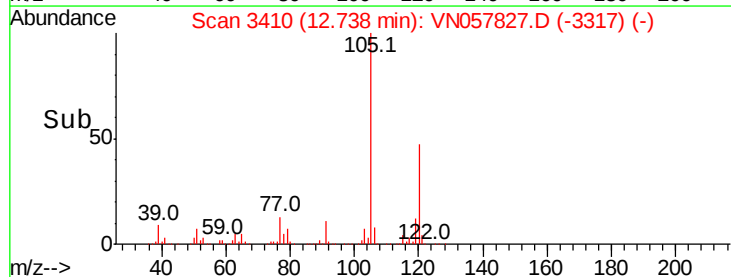
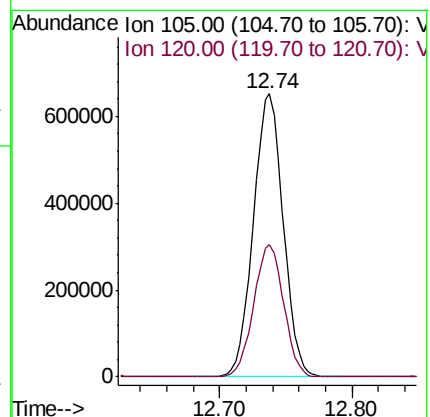
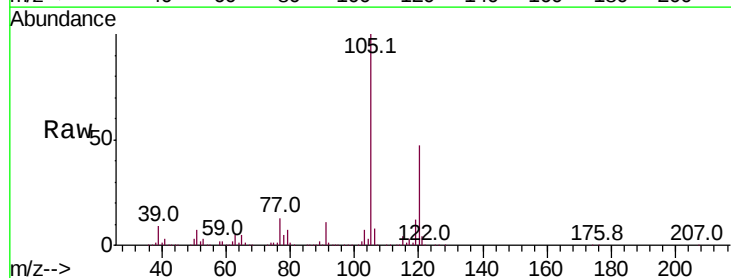
Acq: 10 Sep 2019 1:22

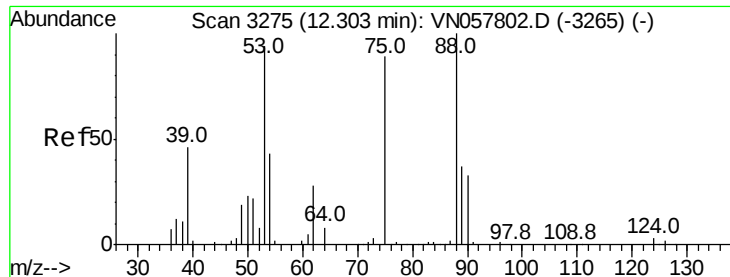
Tgt Ion:105 Resp: 1014304

Ion Ratio Lower Upper

105 100

120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 44.973 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampled :

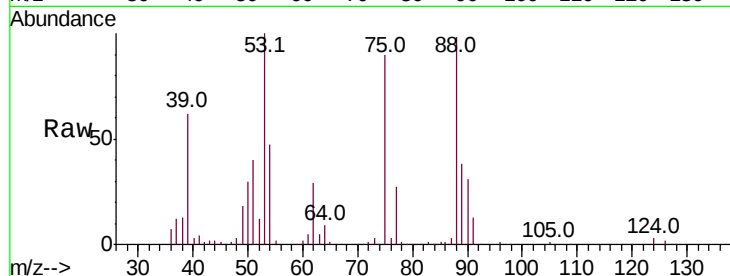
Tot Ion: 75 Resp: 88488

Ion Ratio Lower Upper

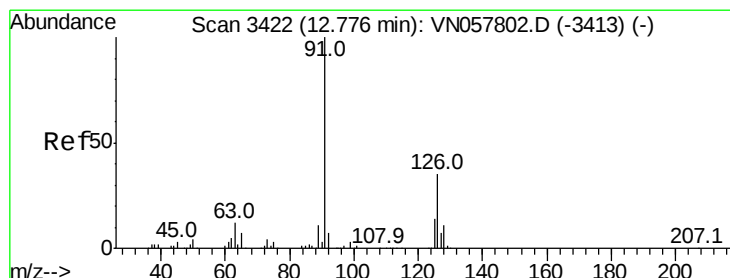
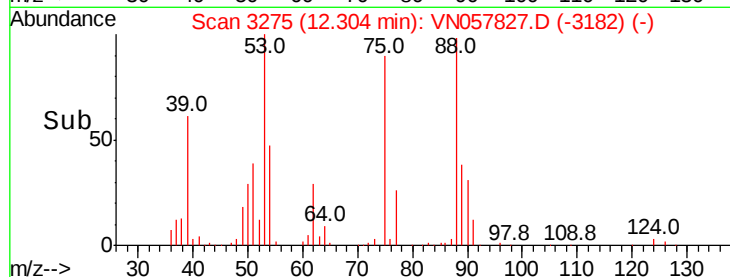
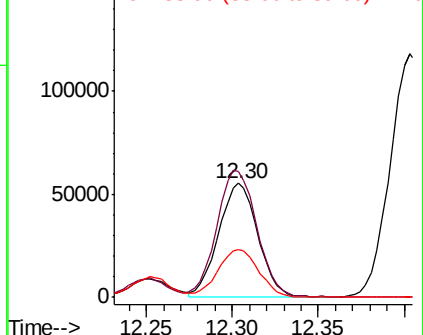
75 100

53 113.7 88.4 132.6

89 43.8 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 47.908 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057827.D

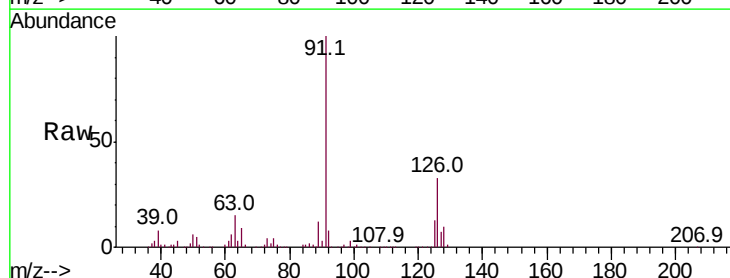
Acq: 10 Sep 2019 1:22

Tgt Ion: 91 Resp: 848039

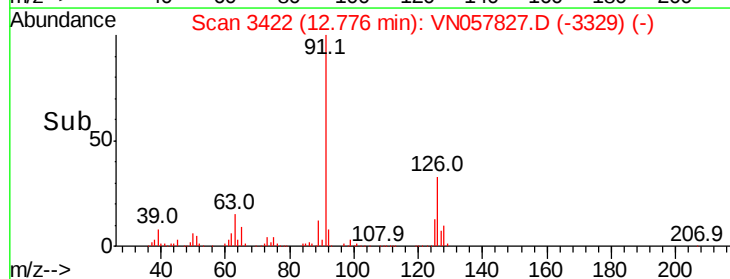
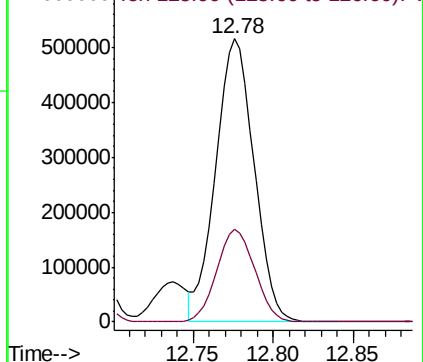
Ion Ratio Lower Upper

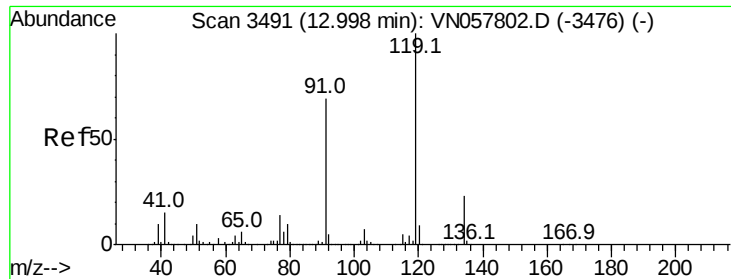
91 100

126 32.3 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.035 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampled :

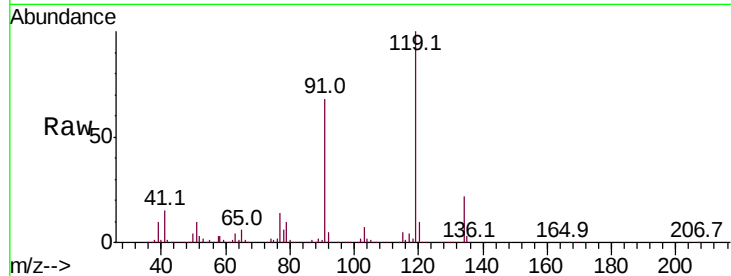
Tot Ion:119 Resp: 874699

Ion Ratio Lower Upper

119 100

91 67.3 33.6 100.8

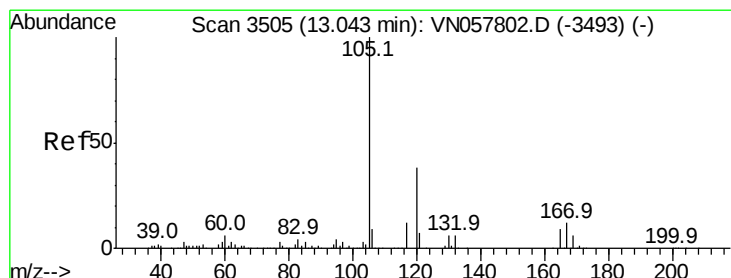
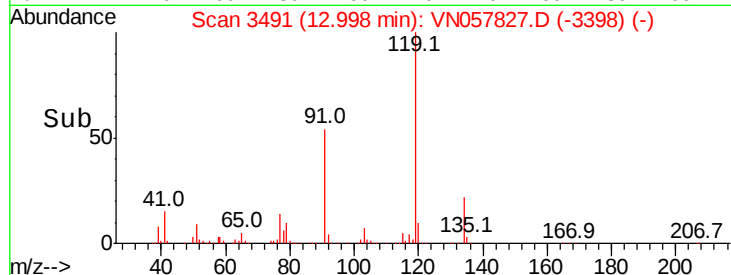
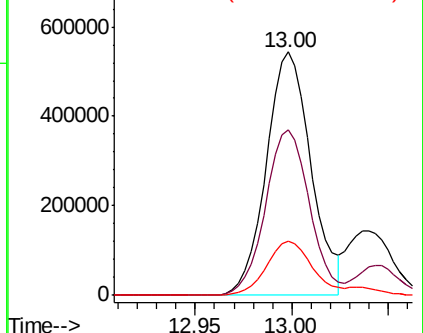
134 22.7 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.932 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057827.D

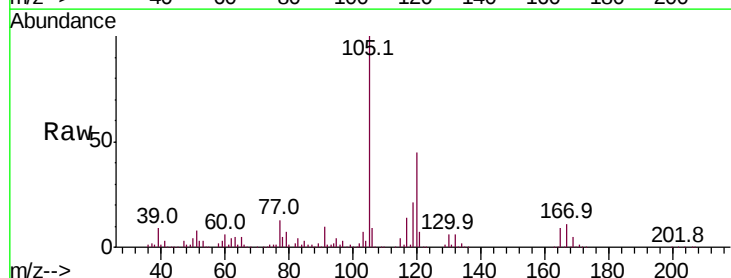
Acq: 10 Sep 2019 1:22

Tgt Ion:105 Resp: 1018399

Ion Ratio Lower Upper

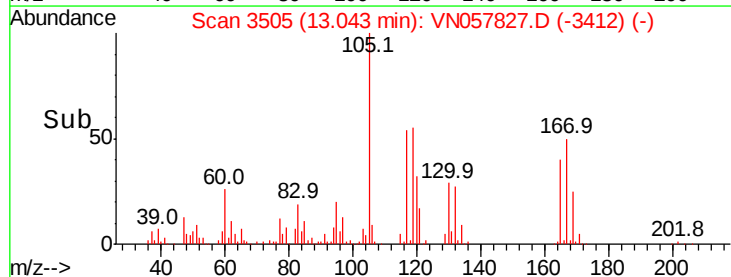
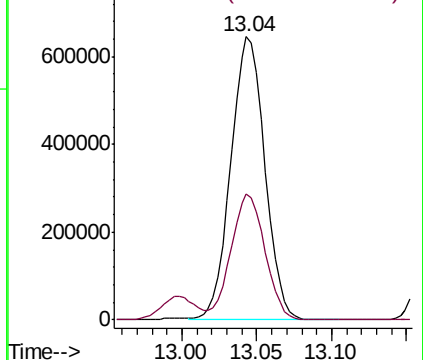
105 100

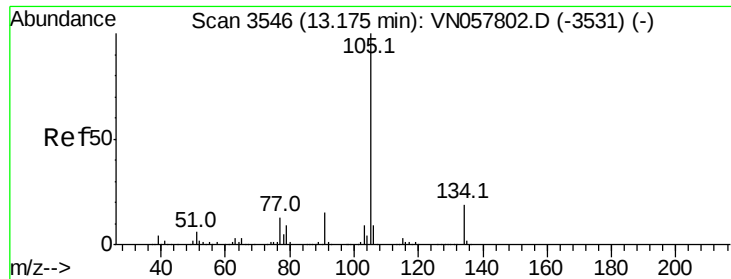
120 44.4 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

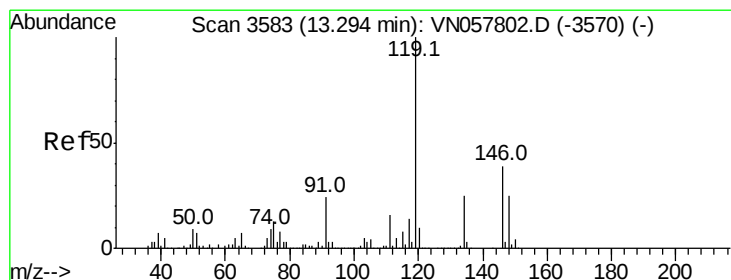
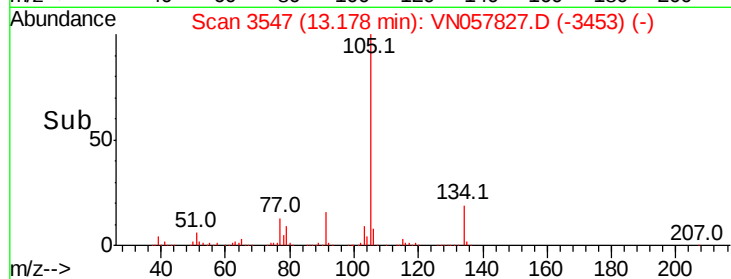
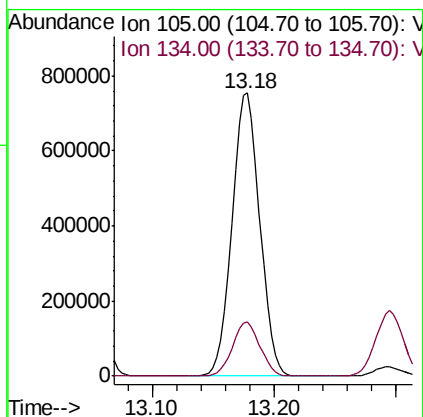
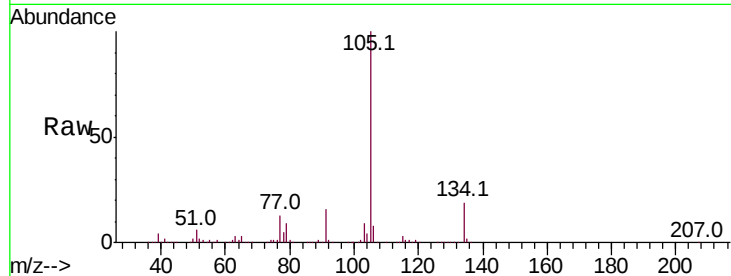




#85
 sec-Butylbenzene
 Concen: 50.238 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

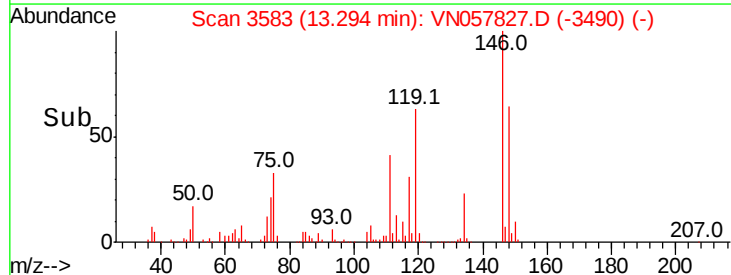
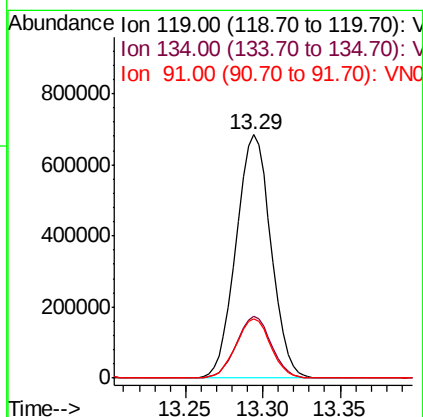
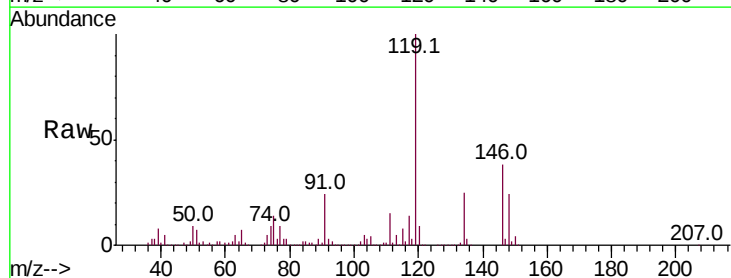
Instrument :
 MSVOA_N
 ClientSampleId :

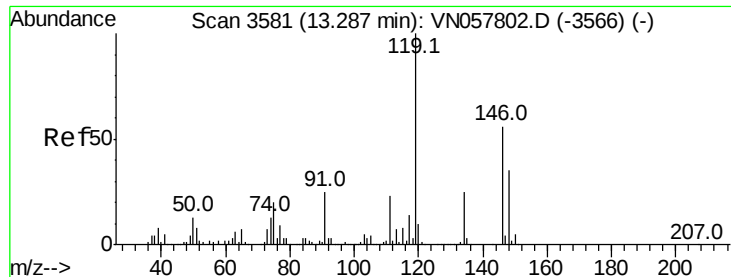
Tot Ion:105 Resp: 1187774
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 51.373 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion:119 Resp: 1070214
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 24.1 12.3 36.8

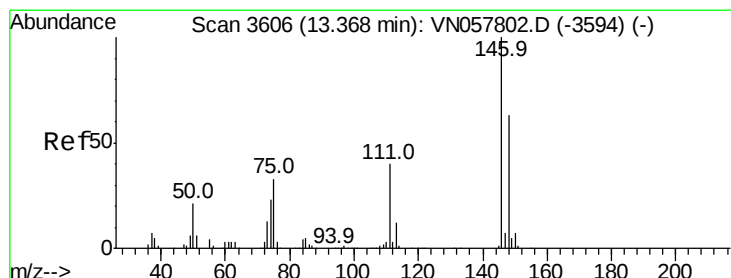
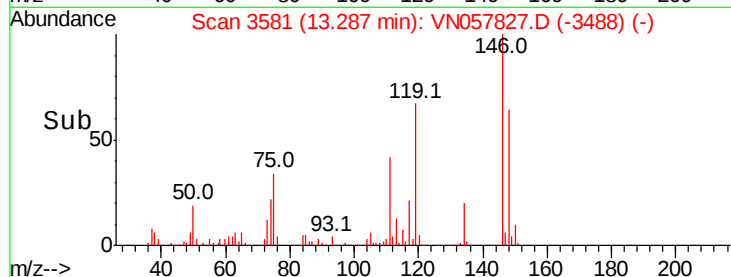
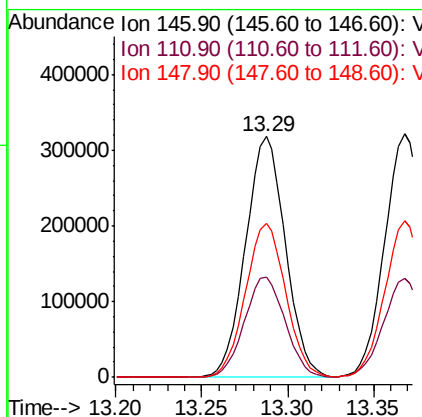
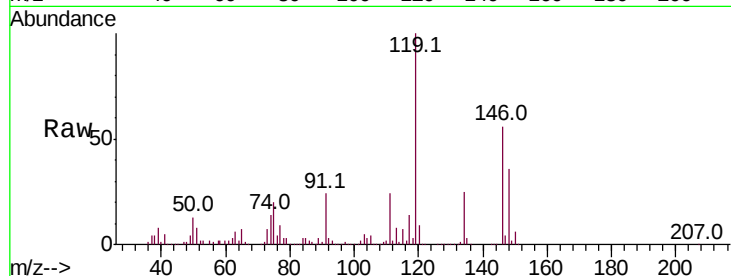




#87
 1,3-Dichlorobenzene
 Concen: 47.084 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

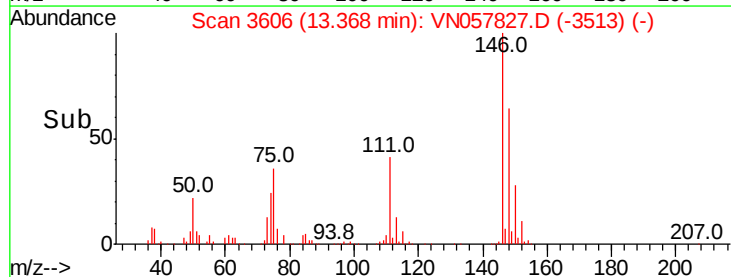
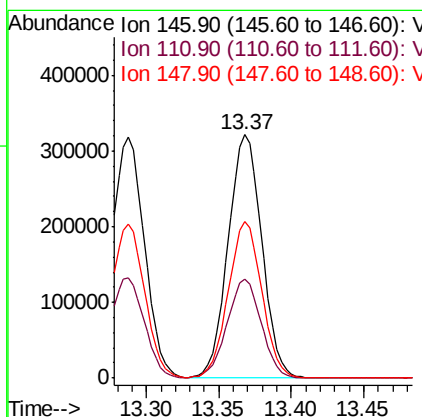
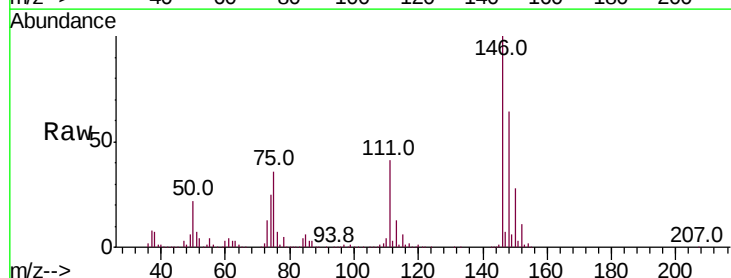
Instrument :
 MSVOA_N
 ClientSampleId :

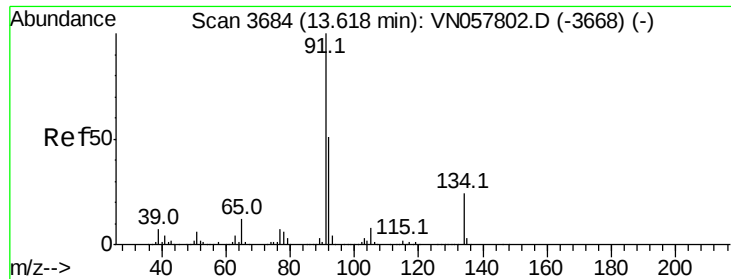
Tot Ion:146 Resp: 511752
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.5 61.6
 148 64.4 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 47.044 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion:146 Resp: 519010
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.4 61.2
 148 63.8 31.8 95.4

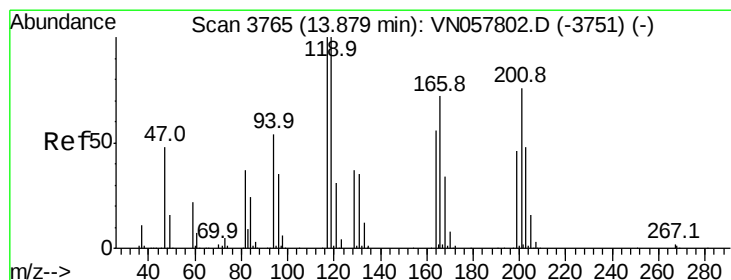
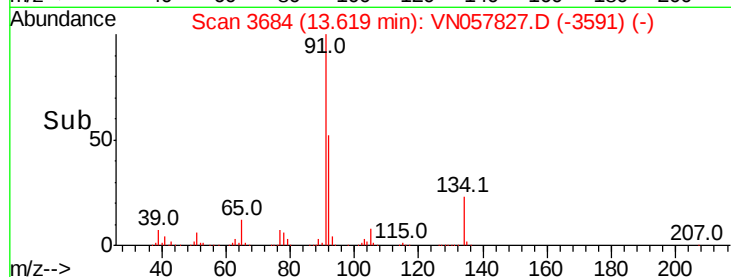
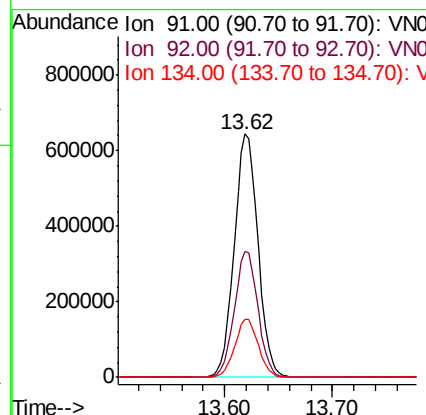
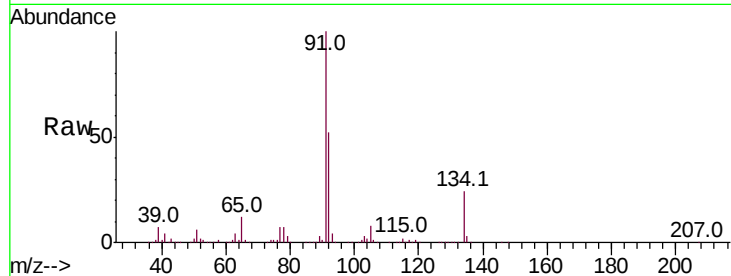




#89
n-Butylbenzene
Concen: 50.346 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

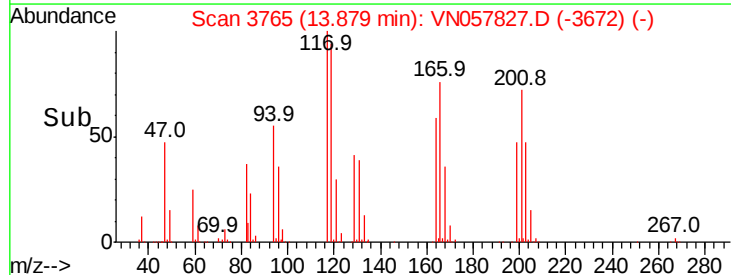
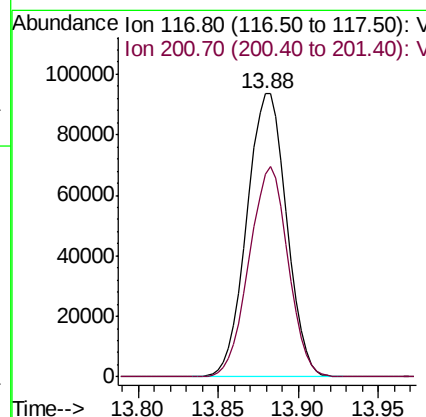
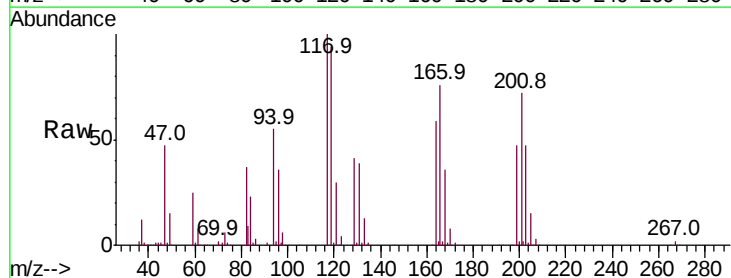
Instrument :
MSVOA_N
ClientSampleId :

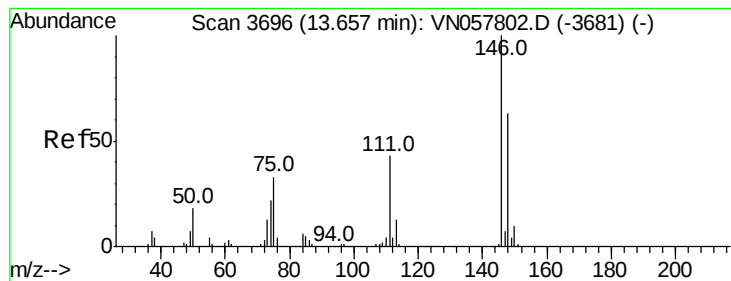
Tot Ion: 91 Resp: 990462
Ion Ratio Lower Upper
91 100
92 51.3 25.7 77.0
134 23.6 11.9 35.7



#90
Hexachloroethane
Concen: 51.121 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 117 Resp: 158380
Ion Ratio Lower Upper
117 100
201 72.9 37.5 112.7





#91

1,2-Dichlorobenzene

Concen: 48.146 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampled :

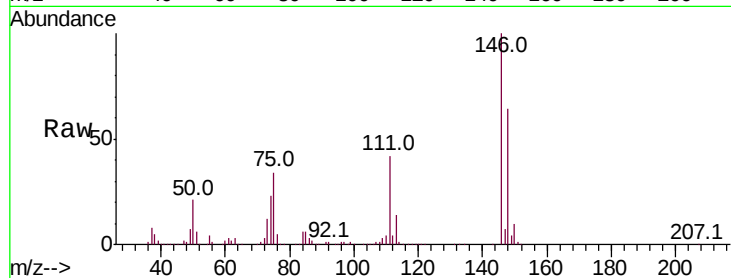
Tot Ion:146 Resp: 522783

Ion Ratio Lower Upper

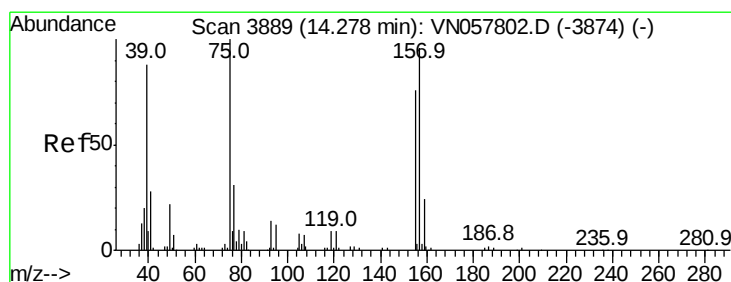
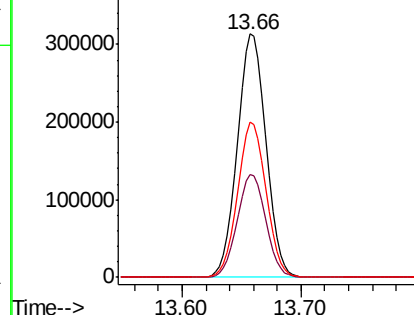
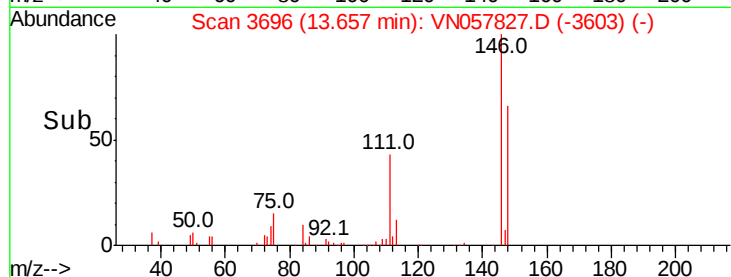
146 100

111 42.2 21.3 63.9

148 63.3 31.4 94.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.486 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

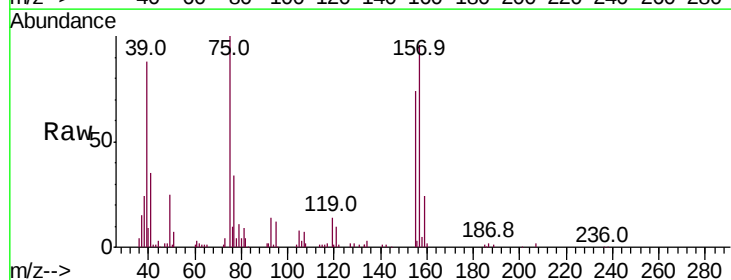
Tgt Ion: 75 Resp: 67993

Ion Ratio Lower Upper

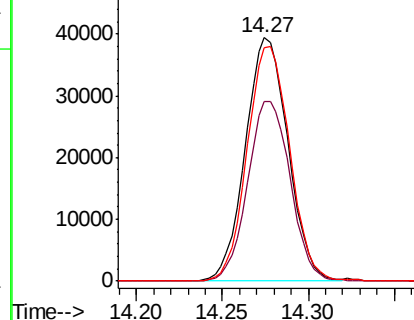
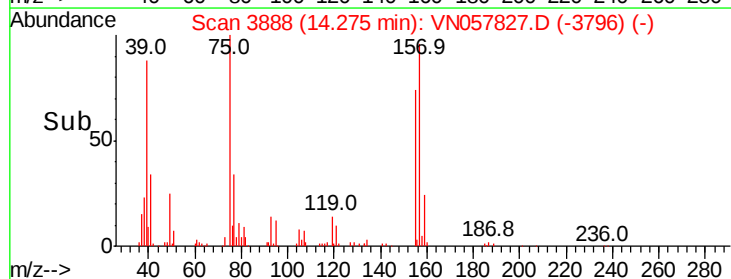
75 100

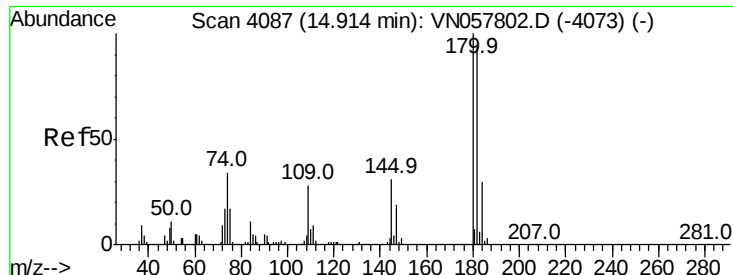
155 73.4 37.3 111.8

157 96.0 47.9 143.8



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

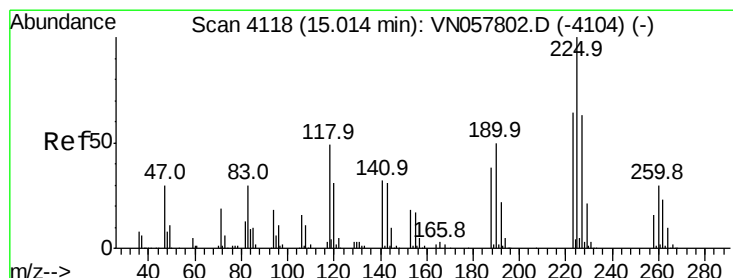
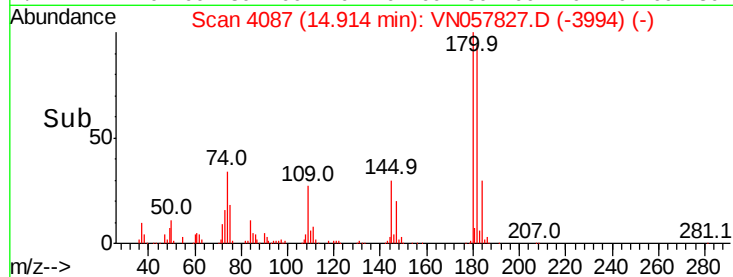
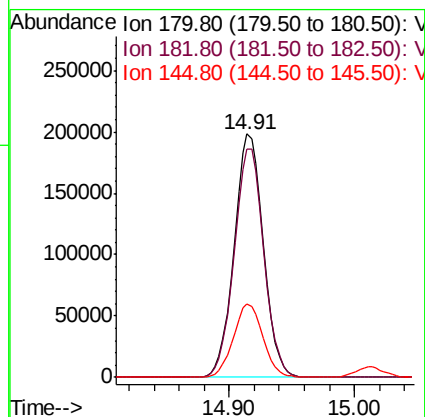
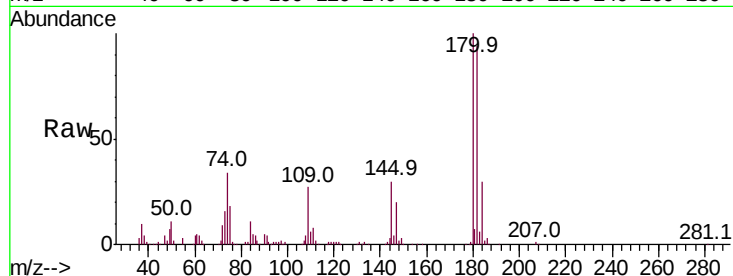




#93
 1,2,4-Trichlorobenzene
 Concen: 44.968 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

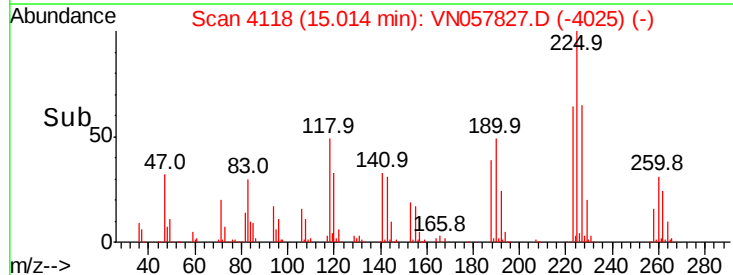
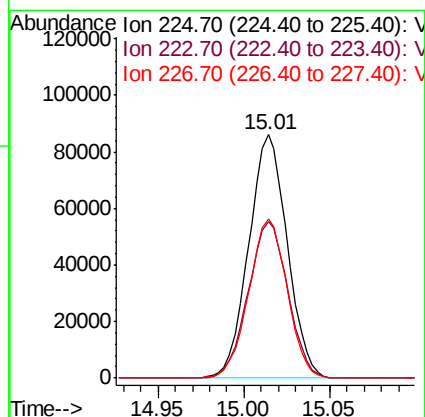
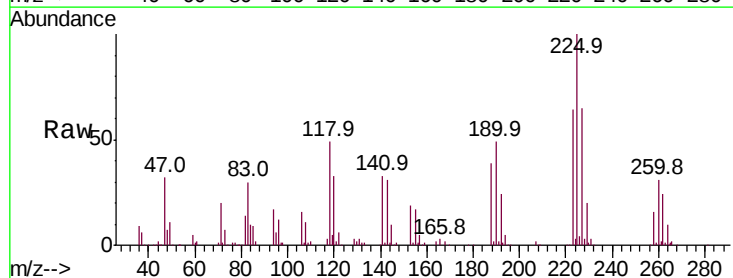
Instrument :
 MSVOA_N
 ClientSampled :

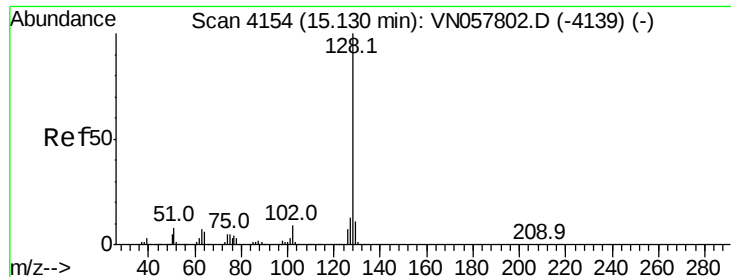
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	46.9	140.8	
145	30.7	14.9	44.7	



#94
 Hexachlorobutadiene
 Concen: 44.340 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.2	32.4	97.2	
227	65.1	31.8	95.4	





#95

Naphthalene

Concen: 51.242 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

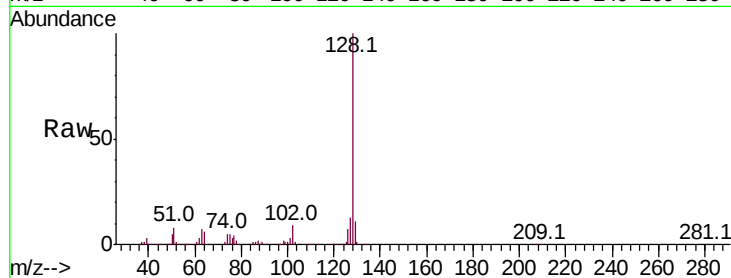
Tot Ion:128 Resp: 917421

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

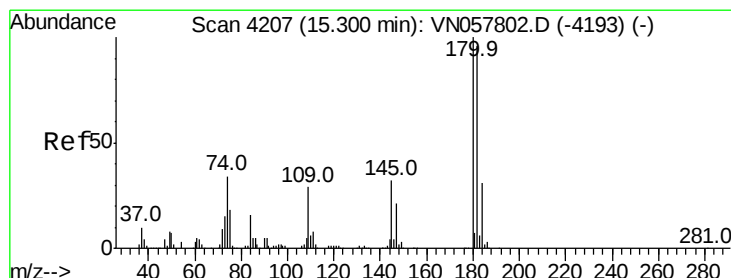
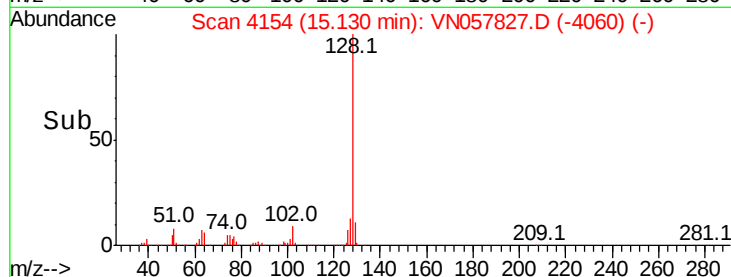
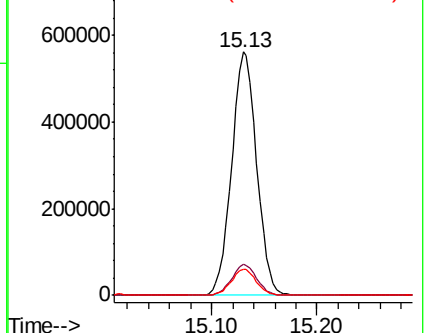
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.036 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

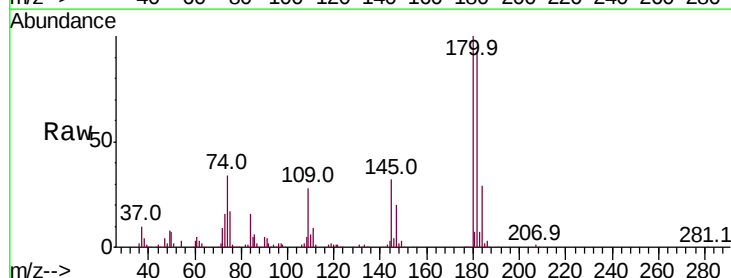
Tgt Ion:180 Resp: 303701

Ion Ratio Lower Upper

180 100

182 94.1 48.3 144.8

145 32.8 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

