

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057611.D
 Acq On : 31 Aug 2019 13:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 15:16:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	161740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	268801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	227360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	81998	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	18202	6.03	ug/l	0.00
Spiked Amount			Recovery	=	12.06%	
35) Dibromofluoromethane	7.57	113	11973	6.17	ug/l	0.00
Spiked Amount			Recovery	=	12.34%	
50) Toluene-d8	10.08	98	41702	5.68	ug/l	0.00
Spiked Amount			Recovery	=	11.36%	
62) 4-Bromofluorobenzene	12.40	95	17030	6.72	ug/l	0.00
Spiked Amount			Recovery	=	13.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	10755	5.287	ug/l	97
3) Chloromethane	2.05	50	13507	4.800	ug/l	98
4) Vinyl Chloride	2.18	62	10712	3.369	ug/l	96
5) Bromomethane	2.51	94	7154	3.670	ug/l	92
6) Chloroethane	2.65	64	6160	3.038	ug/l	99
7) Trichlorofluoromethane	2.99	101	14975	3.045	ug/l	98
8) Diethyl Ether	3.39	74	5258	2.865	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	8343	3.085	ug/l	97
10) Methyl Iodide	3.92	142	8478	3.948	ug/l	92
11) Tert butyl alcohol	4.82	59	7923	21.733	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	7100	2.748	ug/l	81
13) Acrolein	3.59	56	4183	14.997	ug/l #	80
14) Allyl chloride	4.29	41	21716	5.199	ug/l	96
15) Acrylonitrile	4.97	53	24864	24.895	ug/l #	87
16) Acetone	3.81	43	24200	18.009	ug/l	93
17) Carbon Disulfide	4.01	76	20011	3.784	ug/l	98
18) Methyl Acetate	4.31	43	20026	5.753	ug/l	96
19) Methyl tert-butyl Ether	5.03	73	33506	4.816	ug/l	95
20) Methylene Chloride	4.53	84	11369	5.052	ug/l #	89
21) trans-1,2-Dichloroethene	5.01	96	9653	4.746	ug/l	95
22) Diisopropyl ether	5.93	45	22310	2.705	ug/l	97
23) Vinyl Acetate	5.88	43	146731	22.603	ug/l	99
24) 1,1-Dichloroethane	5.83	63	20453	4.722	ug/l	95
25) 2-Butanone	6.84	43	36198	24.183	ug/l	99
26) 2,2-Dichloropropane	6.80	77	15430	4.158	ug/l #	70
27) cis-1,2-Dichloroethene	6.81	96	12125	5.046	ug/l	94
28) Bromochloromethane	7.18	49	12355	5.413	ug/l	97
29) Tetrahydrofuran	7.21	42	23532	24.196	ug/l	95
30) Chloroform	7.36	83	21987	4.887	ug/l	99
31) Cyclohexane	7.64	56	24992	5.951	ug/l #	68
32) 1,1,1-Trichloroethane	7.56	97	16643	4.511	ug/l	97
36) 1,1-Dichloropropene	7.77	75	15526	5.292	ug/l	98
37) Ethyl Acetate	6.92	43	12861	4.464	ug/l #	89
38) Carbon Tetrachloride	7.75	117	13138	4.609	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057611.D
 Acq On : 31 Aug 2019 13:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 15:16:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	18343	5.279	ug/l	94
40) Benzene	8.02	78	46720	5.344	ug/l	98
41) Methacrylonitrile	7.16	41	6300	4.505	ug/l #	84
42) 1,2-Dichloroethane	8.11	62	18111	5.302	ug/l	99
43) Isopropyl Acetate	8.16	43	24068	4.563	ug/l	98
44) Trichloroethene	8.82	130	11020	5.668	ug/l	83
45) 1,2-Dichloropropane	9.11	63	13994	5.686	ug/l #	87
46) Dibromomethane	9.20	93	8054	5.154	ug/l	90
47) Bromodichloromethane	9.39	83	13819	4.266	ug/l	99
48) Methyl methacrylate	9.19	41	13093	5.163	ug/l	96
49) 1,4-Dioxane	9.20	88	3060	95.698	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	69939	23.544	ug/l	99
52) Toluene	10.15	92	25871	5.108	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	13152	3.896	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	15275	4.056	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	9671	4.757	ug/l	94
56) Ethyl methacrylate	10.43	69	15596	4.858	ug/l	97
57) 1,3-Dichloropropane	10.71	76	17935	5.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	22379	28.716	ug/l	99
59) 2-Hexanone	10.75	43	50443	24.620	ug/l	96
60) Dibromochloromethane	10.90	129	7495	3.536	ug/l	88
61) 1,2-Dibromoethane	11.00	107	9413	4.732	ug/l	94
64) Tetrachloroethene	10.63	164	8919	5.291	ug/l	91
65) Chlorobenzene	11.43	112	25100	5.165	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	8280	4.531	ug/l	95
67) Ethyl Benzene	11.51	91	46637	4.950	ug/l	94
68) m/p-Xylenes	11.62	106	32586	10.174	ug/l	91
69) o-Xylene	11.95	106	15685	4.963	ug/l	98
70) Styrene	11.96	104	23338	4.627	ug/l	96
71) Bromoform	12.13	173	4014	3.286	ug/l #	62
73) Isopropylbenzene	12.25	105	42133	4.485	ug/l	98
74) N-amyl acetate	12.07	43	18492	4.287	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	12367	4.486	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	14668	6.810	ug/l #	100
77) Bromobenzene	12.53	156	8355	4.444	ug/l	92
78) n-propylbenzene	12.59	91	45591	4.563	ug/l	98
79) 2-Chlorotoluene	12.68	91	27720	4.628	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	31167	4.198	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	2411	3.012	ug/l	84
82) 4-Chlorotoluene	12.77	91	28049	4.908	ug/l	99
83) tert-Butylbenzene	12.99	119	28471	4.322	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	30091	4.573	ug/l	97
85) sec-Butylbenzene	13.17	105	38033	4.698	ug/l	100
86) p-Isopropyltoluene	13.29	119	30006	4.549	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	12632	4.601	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	12226	4.579	ug/l	89
89) n-Butylbenzene	13.62	91	28573	5.098	ug/l	97
90) Hexachloroethane	13.88	117	4863	3.288	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	10793	4.113	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1430	3.249	ug/l	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
Data File : VN057611.D
Acq On : 31 Aug 2019 13:10
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 31 15:16:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:14:23 2019
Response via : Initial Calibration

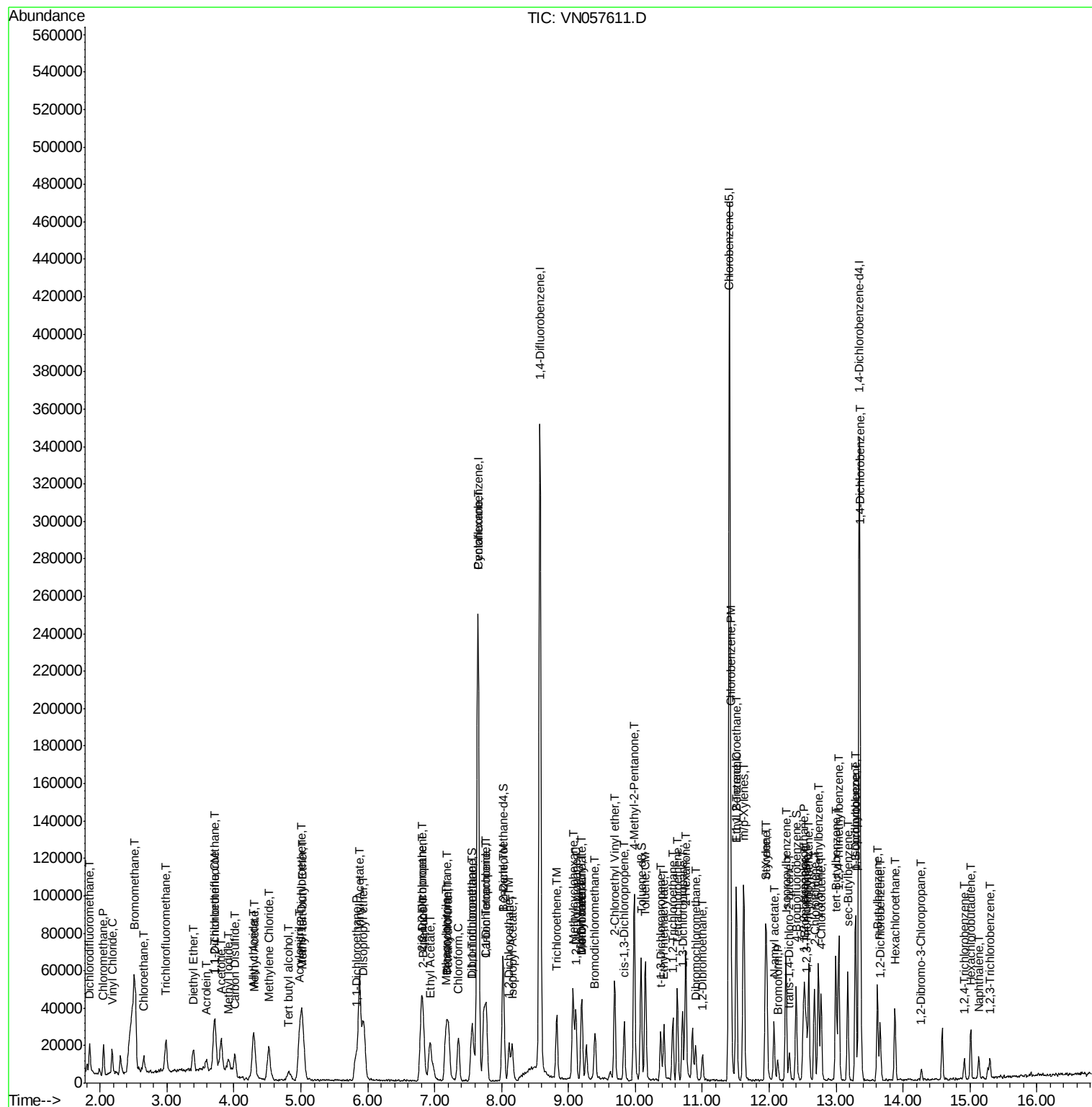
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2715	2.828	ug/l	86
94) Hexachlorobutadiene	15.01	225	4743	5.691	ug/l	97
95) Naphthalene	15.13	128	8490	2.698	ug/l	95
96) 1,2,3-Trichlorobenzene	15.30	180	2759	2.738	ug/l	94

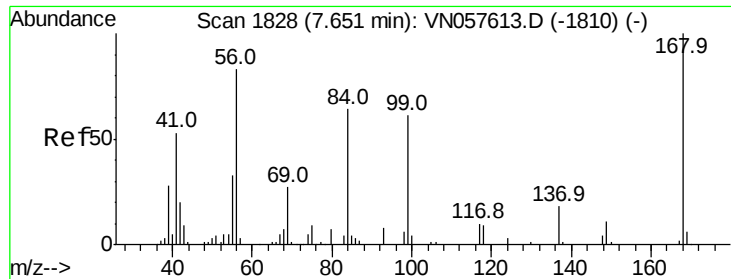
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
Data File : VN057611.D
Acq On : 31 Aug 2019 13:10
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Aug 31 15:16:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:14:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

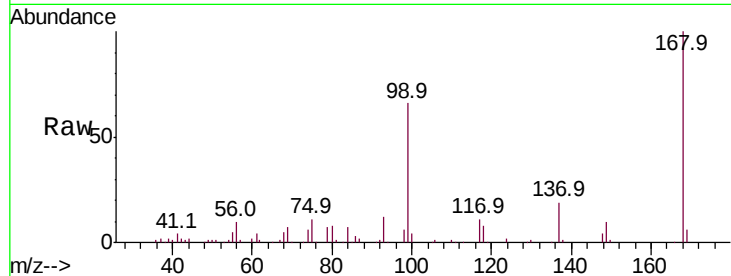
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 161740

Ion Ratio Lower Upper

168 100

99 65.1 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

60000

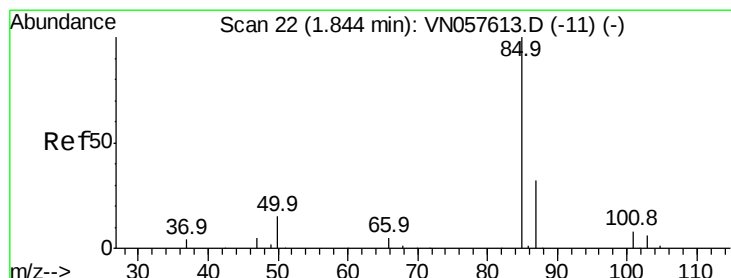
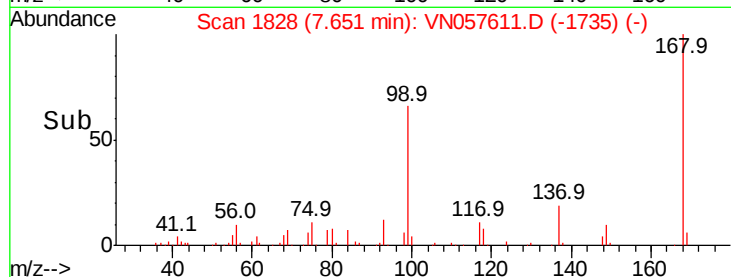
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 5.287 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057611.D

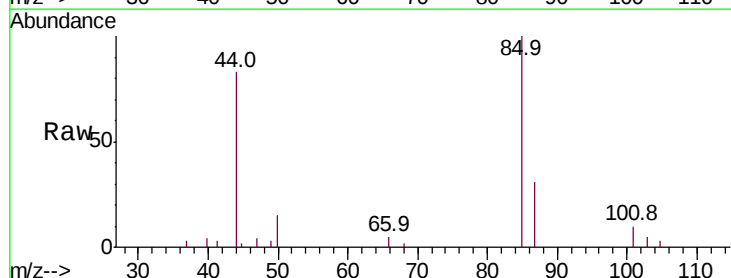
Acq: 31 Aug 2019 13:10

Tgt Ion: 85 Resp: 10755

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.84

8000

6000

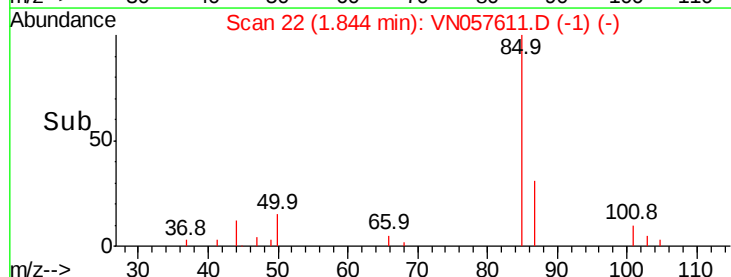
4000

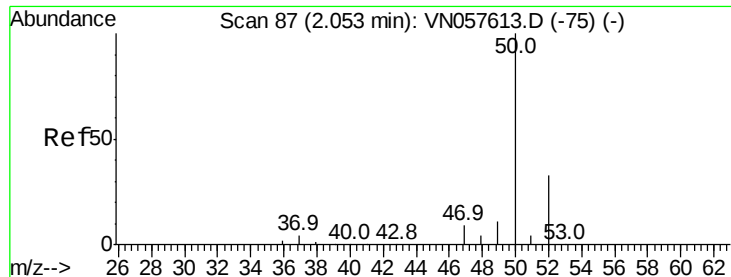
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.800 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

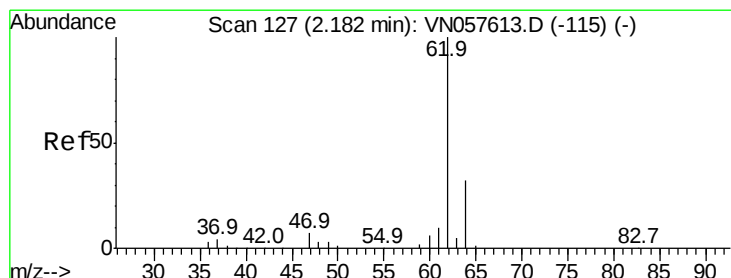
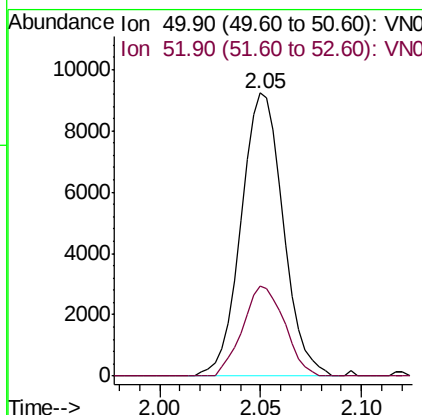
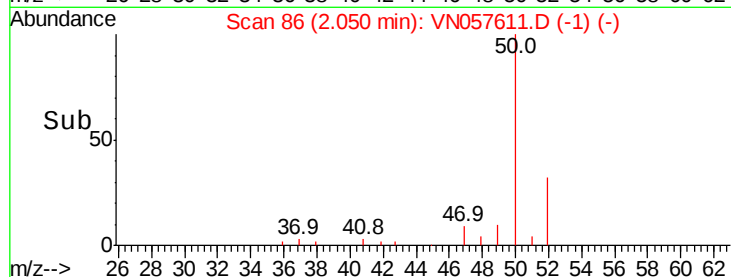
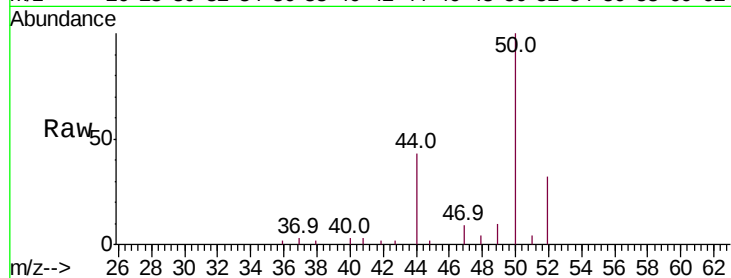
ClientSampled :

Tot Ion: 50 Resp: 13507

Ion Ratio Lower Upper

50 100

52 32.0 26.7 40.1



#4

Vinyl Chloride

Concen: 3.369 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057611.D

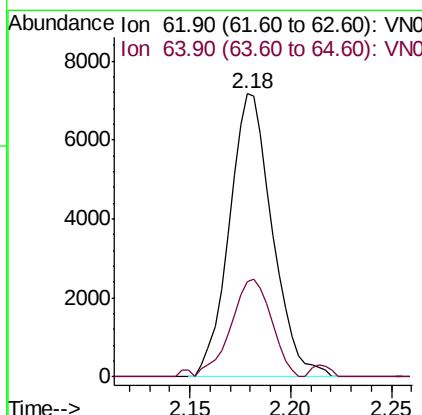
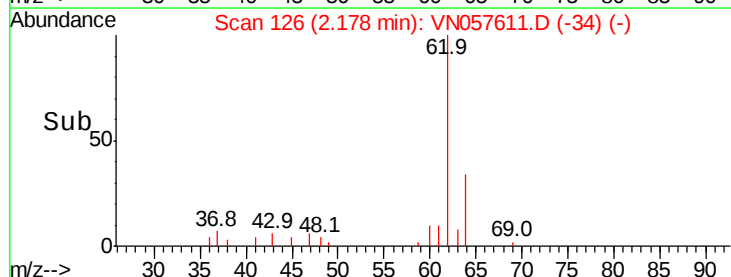
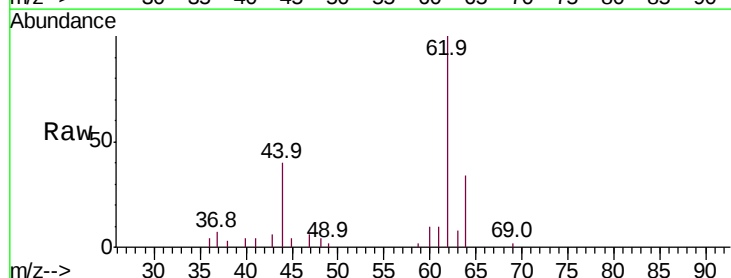
Acq: 31 Aug 2019 13:10

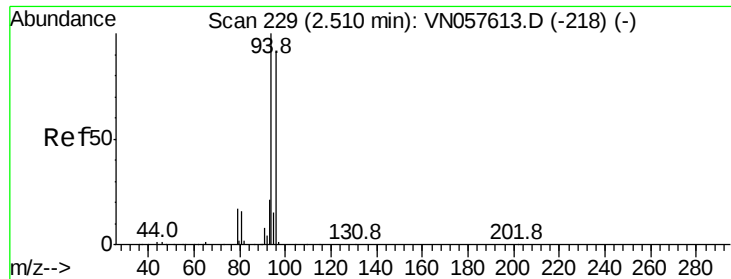
Tgt Ion: 62 Resp: 10712

Ion Ratio Lower Upper

62 100

64 33.7 25.2 37.8





#5

Bromomethane

Concen: 3.670 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

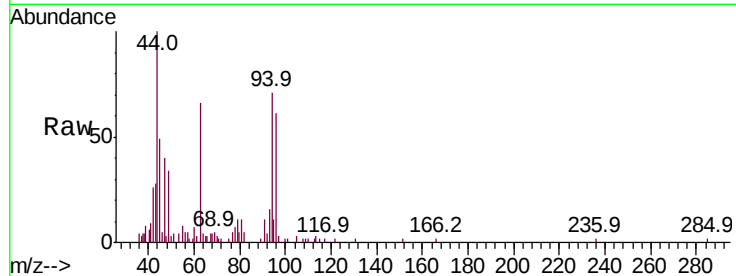
ClientSampleId :

Tot Ion: 94 Resp: 7154

Ion Ratio Lower Upper

94 100

96 83.5 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.51

6000

5000

4000

3000

2000

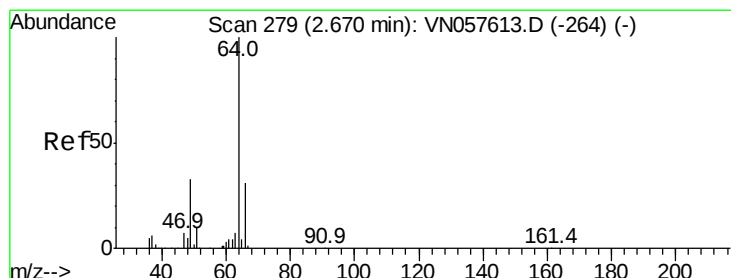
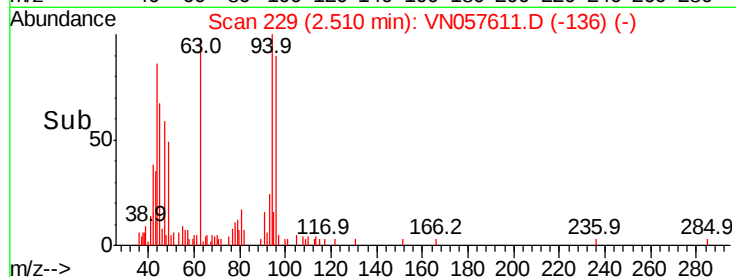
1000

0

Time-->

2.50

2.55



#6

Chloroethane

Concen: 3.038 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.02 min

Lab File: VN057611.D

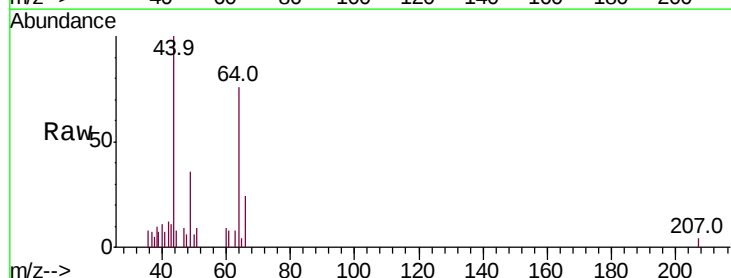
Acq: 31 Aug 2019 13:10

Tgt Ion: 64 Resp: 6160

Ion Ratio Lower Upper

64 100

66 31.3 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.65

3000

2500

2000

1500

1000

500

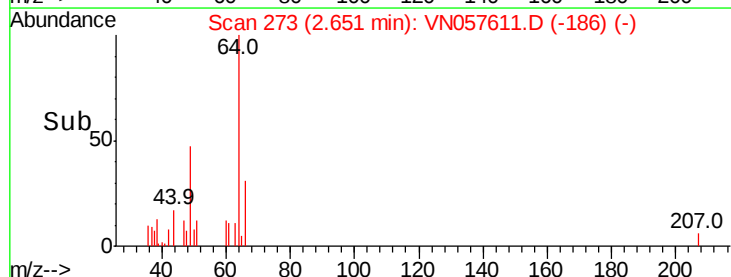
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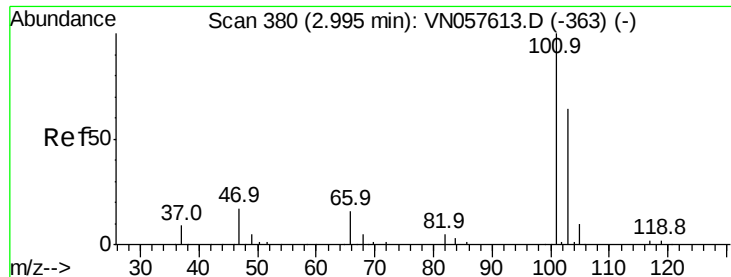
Time-->

2.60

2.65

2.70



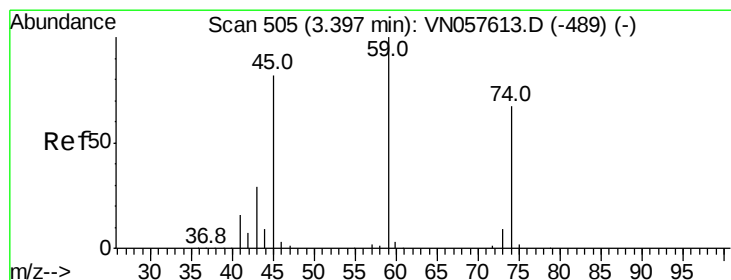
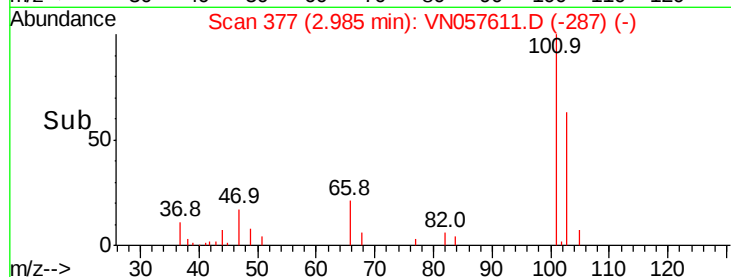
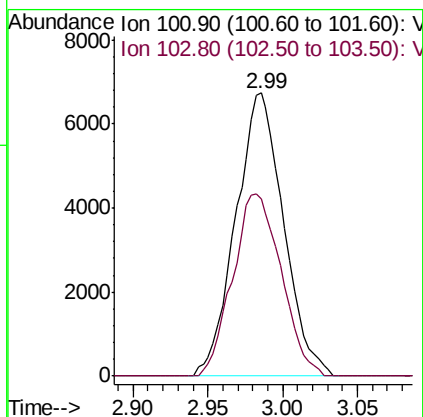
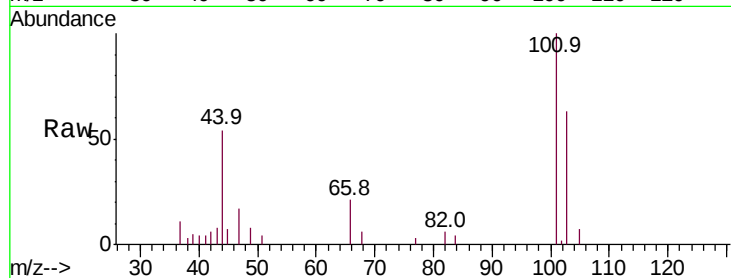


#7

Trichlorofluoromethane
 Concen: 3.045 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :

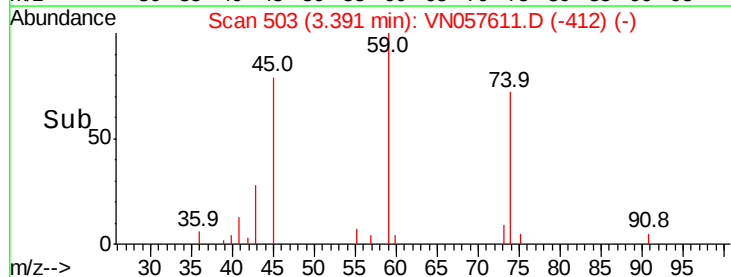
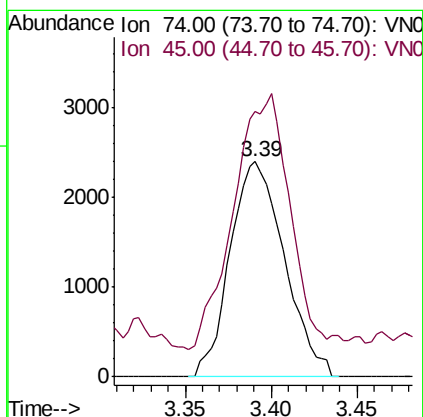
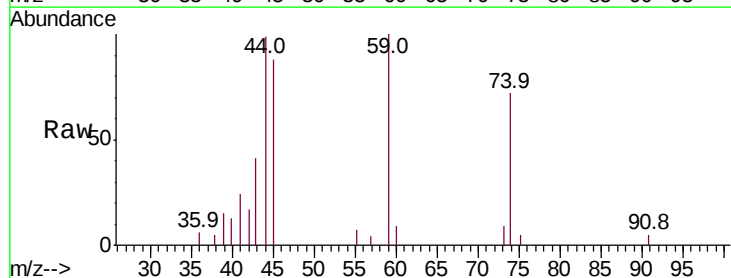
Tot Ion:101 Resp: 14975
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.3 76.9

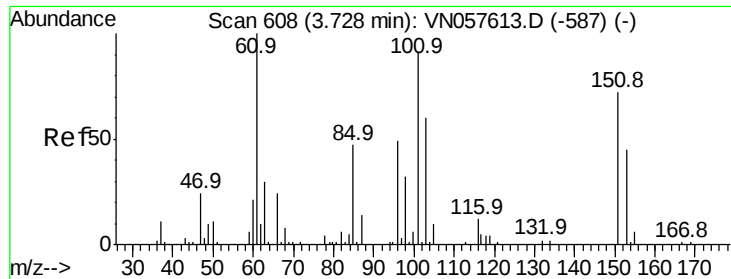


#8

Diethyl Ether
 Concen: 2.865 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion: 74 Resp: 5258
 Ion Ratio Lower Upper
 74 100
 45 123.2 61.9 185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.085 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

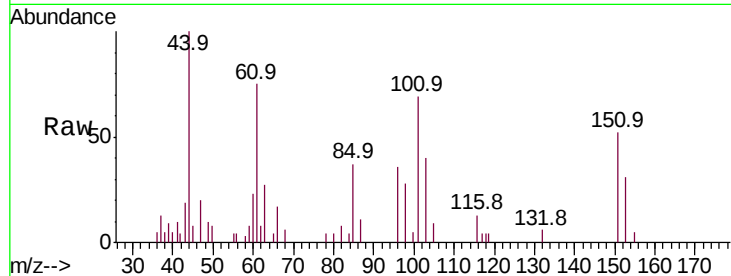
Tot Ion:101 Resp: 8343

Ion Ratio Lower Upper

101 100

85 52.0 42.1 63.1

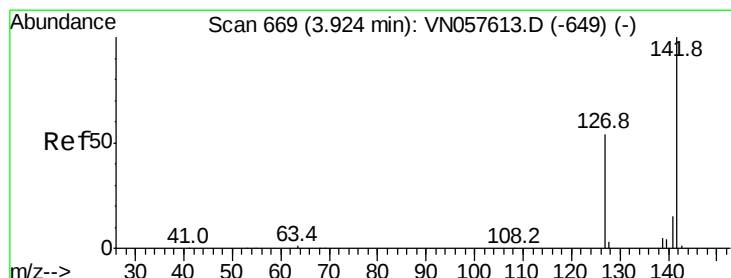
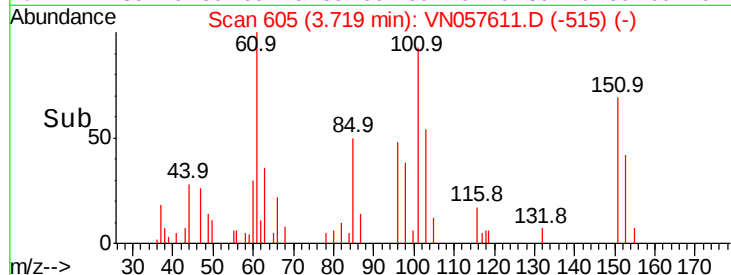
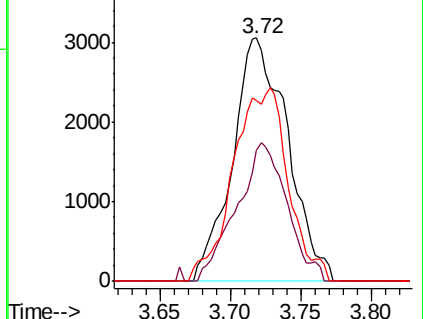
151 79.3 60.2 90.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.948 ug/l

RT: 3.92 min Scan# 667

Delta R.T. -0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

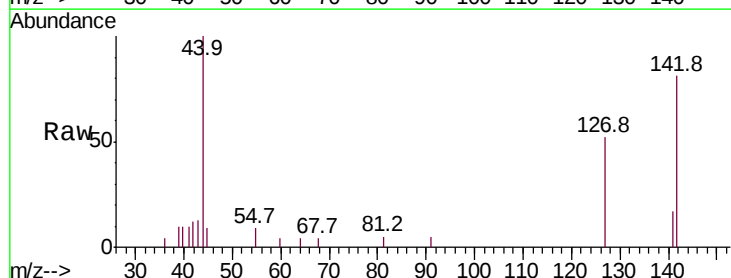
Tgt Ion:142 Resp: 8478

Ion Ratio Lower Upper

142 100

127 60.3 43.0 64.6

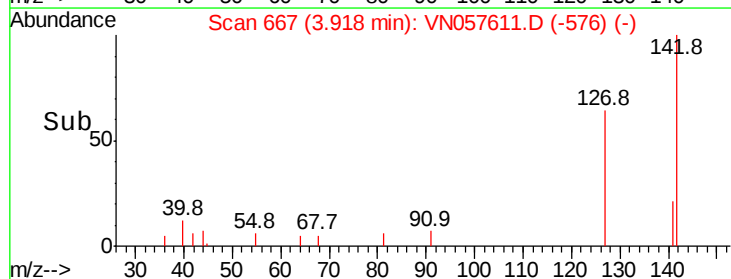
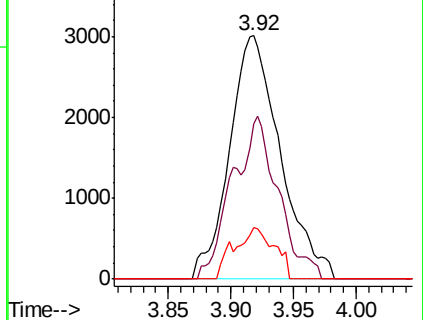
141 12.7 11.4 17.2

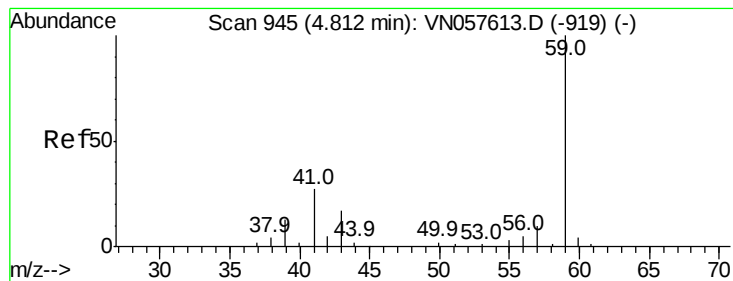


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



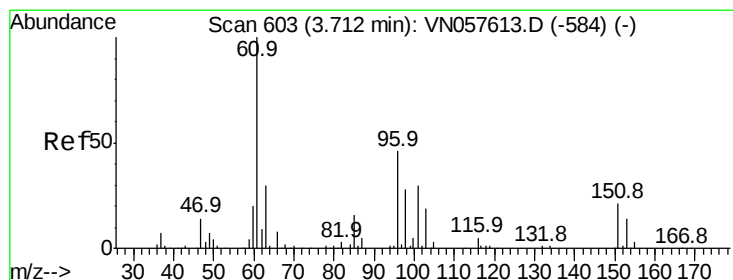
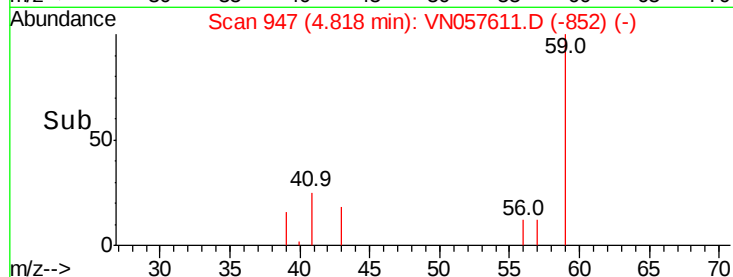
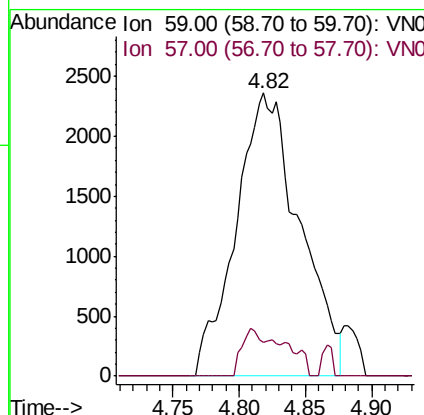
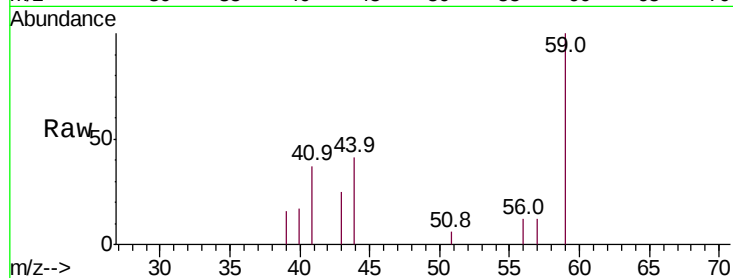


#11

Tert butyl alcohol
 Concen: 21.733 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :

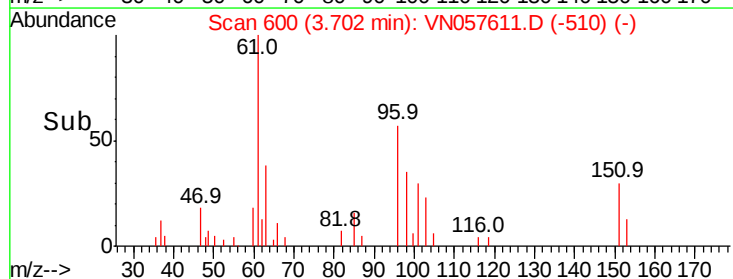
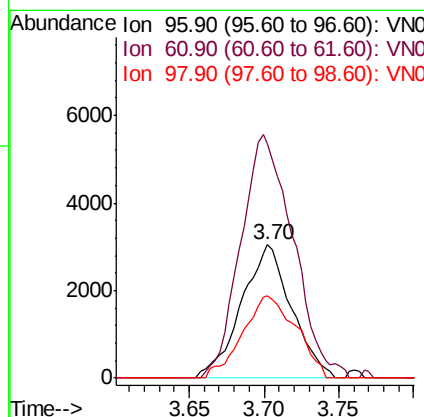
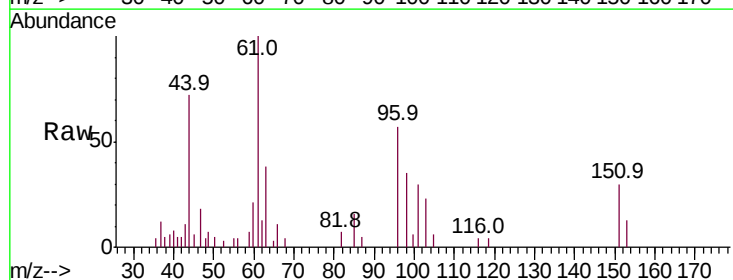
Tot Ion: 59 Resp: 7923
 Ion Ratio Lower Upper
 59 100
 57 11.2 5.0 7.6#

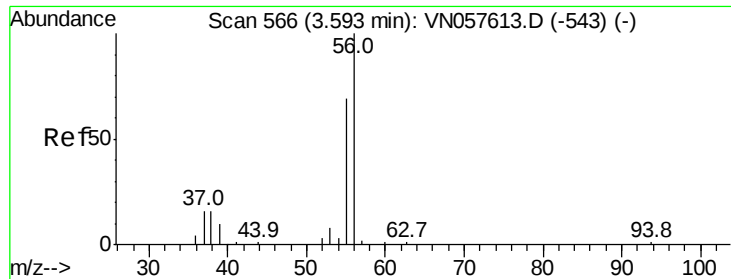


#12

1,1-Dichloroethene
 Concen: 2.748 ug/l
 RT: 3.70 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion: 96 Resp: 7100
 Ion Ratio Lower Upper
 96 100
 61 176.4 172.1 258.1
 98 61.6 48.3 72.5





#13

Acrolein

Concen: 14.997 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

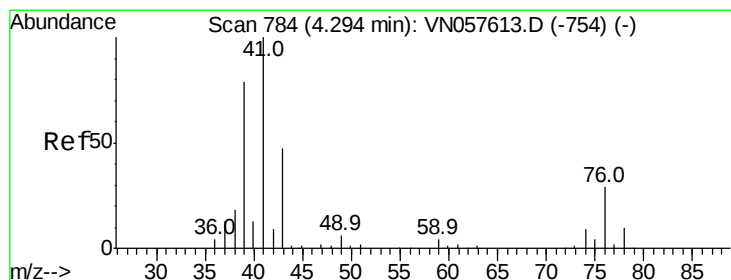
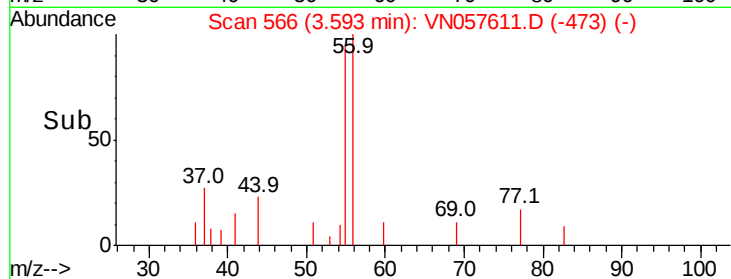
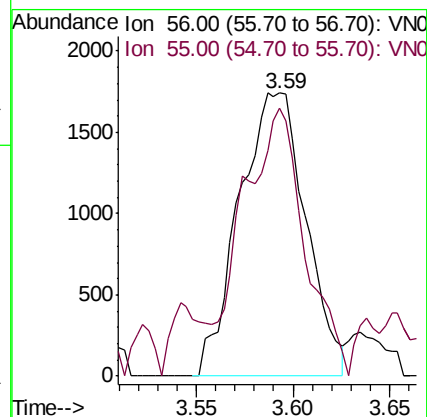
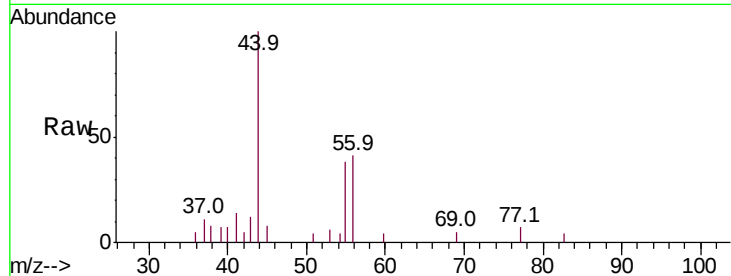
ClientSampleId :

Tot Ion: 56 Resp: 4183

Ion Ratio Lower Upper

56 100

55 87.2 56.5 84.7#



#14

Allyl chloride

Concen: 5.199 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

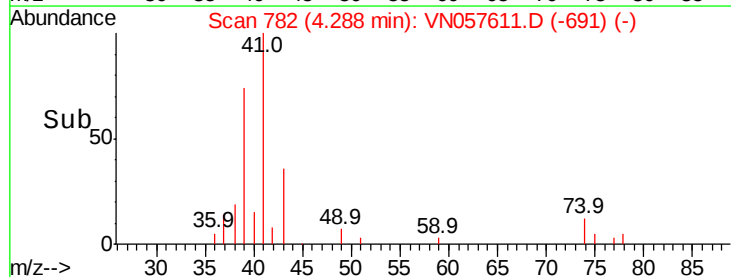
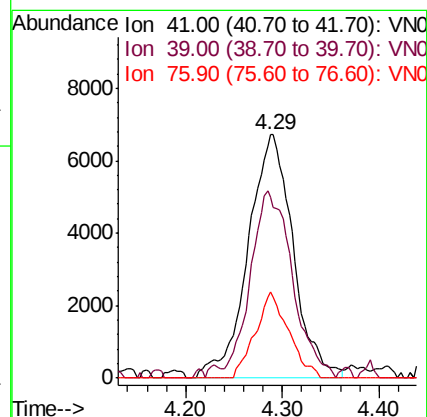
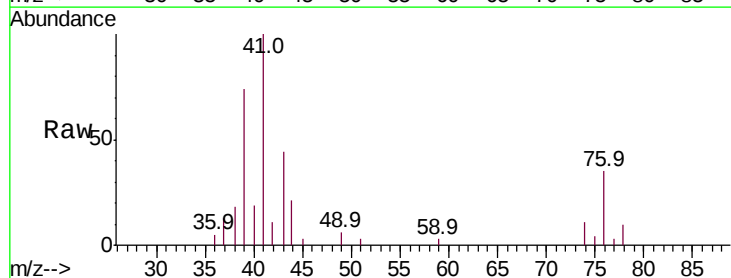
Tgt Ion: 41 Resp: 21716

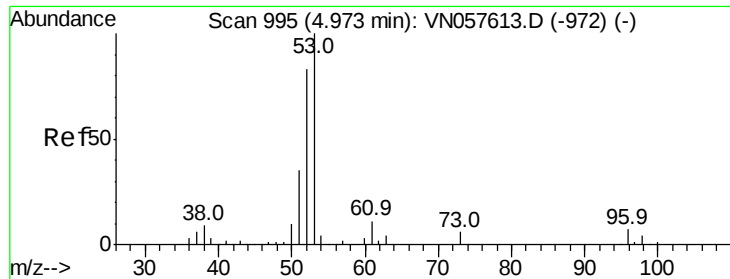
Ion Ratio Lower Upper

41 100

39 71.9 60.9 91.3

76 26.3 21.1 31.7





#15

Acrylonitrile

Concen: 24.895 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

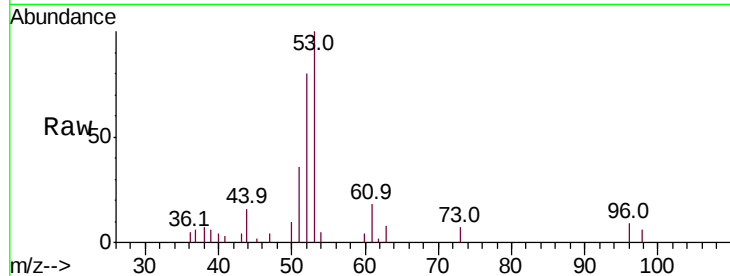
Tot Ion: 53 Resp: 24864

Ion Ratio Lower Upper

53 100

52 79.6 67.1 100.7

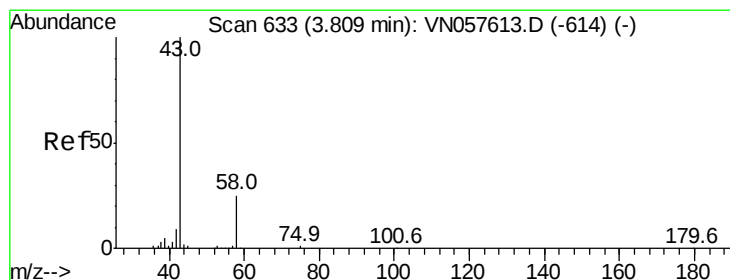
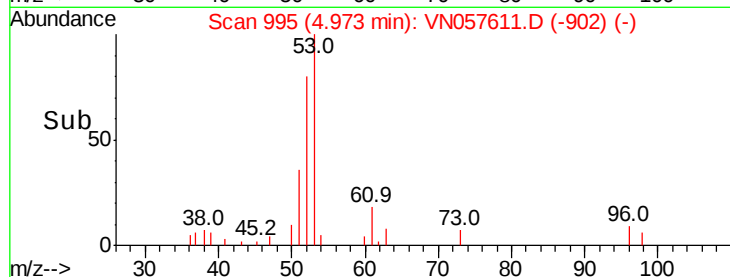
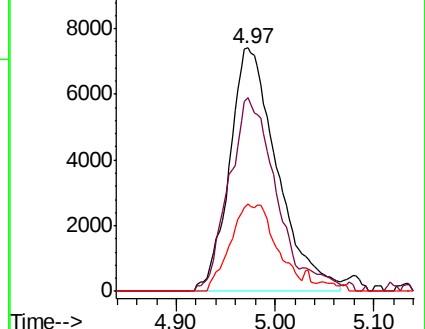
51 18.5 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 18.009 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN057611.D

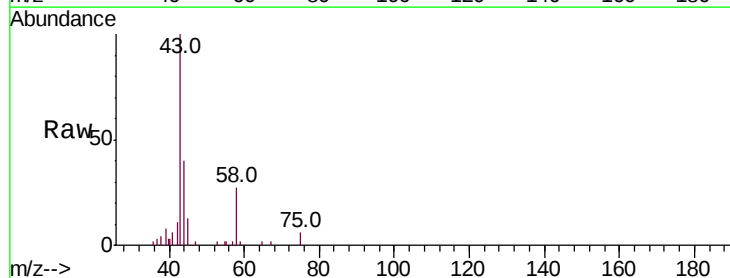
Acq: 31 Aug 2019 13:10

Tgt Ion: 43 Resp: 24200

Ion Ratio Lower Upper

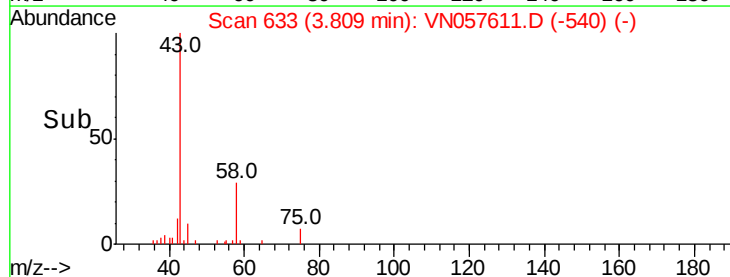
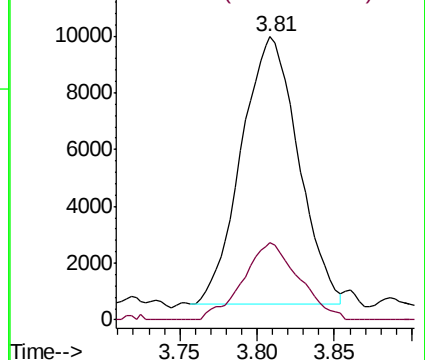
43 100

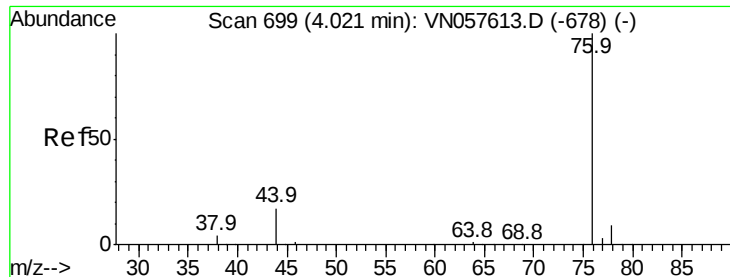
58 28.7 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

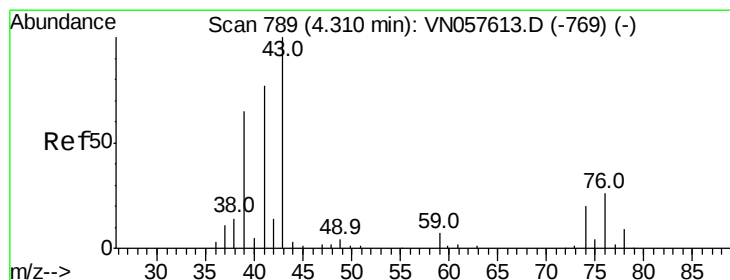
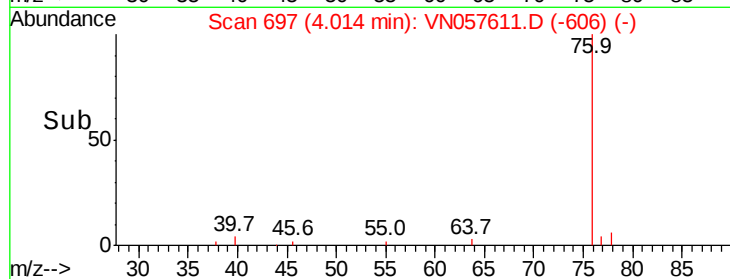
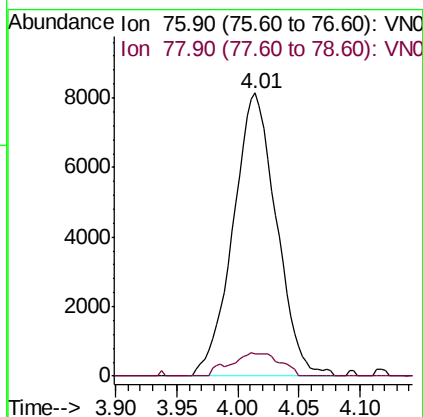
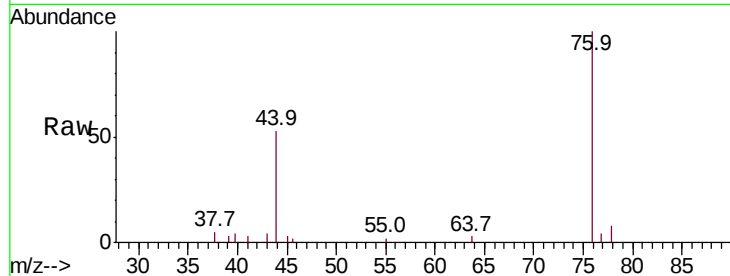




#17
Carbon Disulfide
Concen: 3.784 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

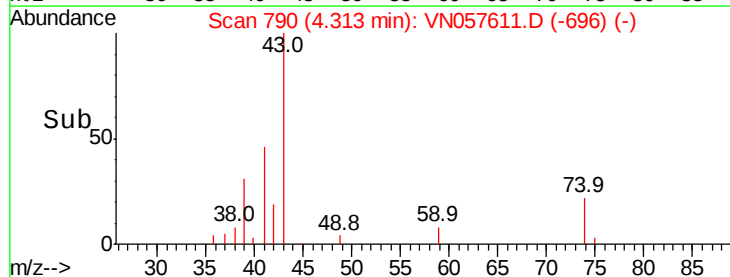
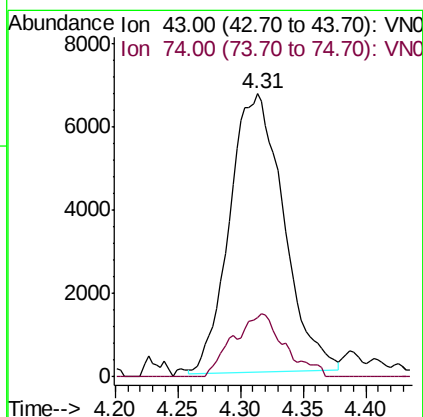
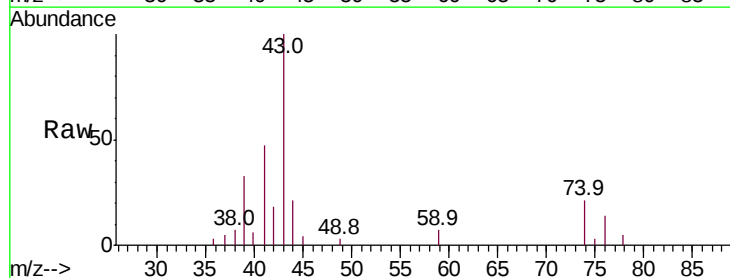
Instrument :
MSVOA_N
ClientSampleId :

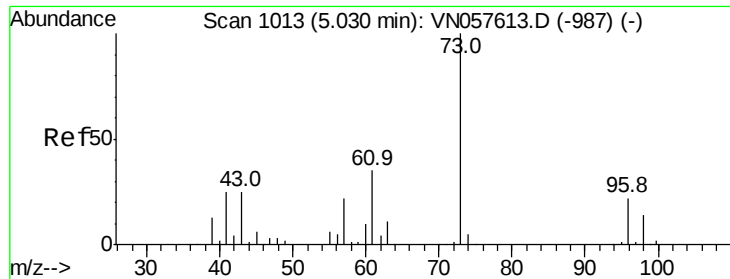
Tot Ion: 76 Resp: 20011
Ion Ratio Lower Upper
76 100
78 8.0 6.9 10.3



#18
Methyl Acetate
Concen: 5.753 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 43 Resp: 20026
Ion Ratio Lower Upper
43 100
74 21.5 15.7 23.5

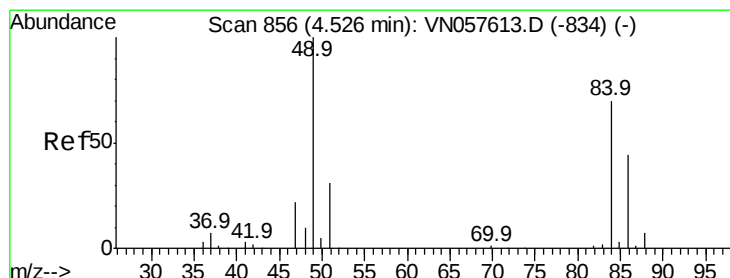
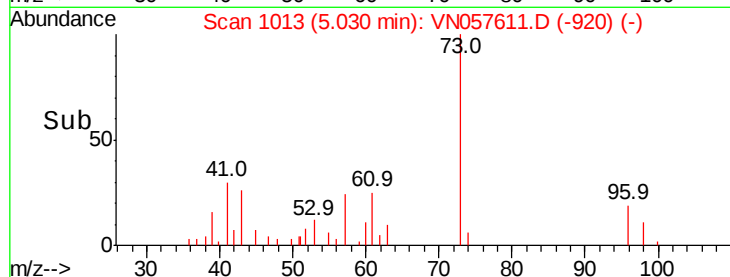
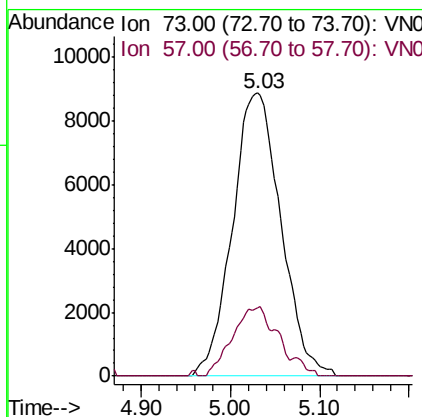
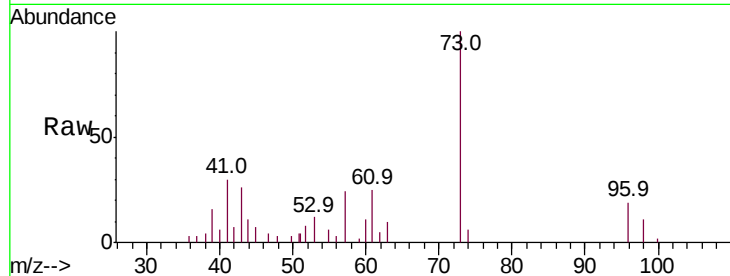




#19
Methvl tert-butvl Ether
Concen: 4.816 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

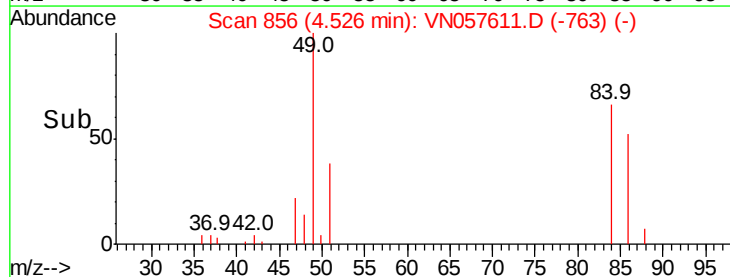
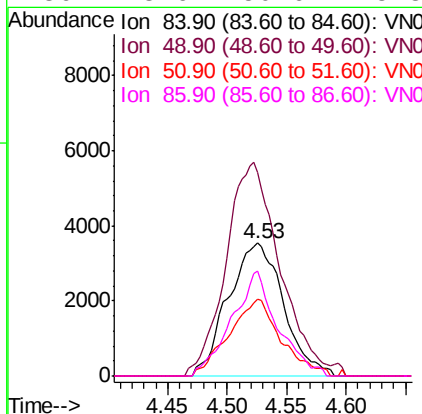
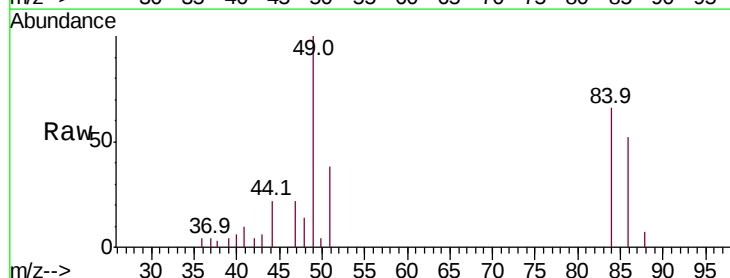
Instrument :
MSVOA_N
ClientSampleId :

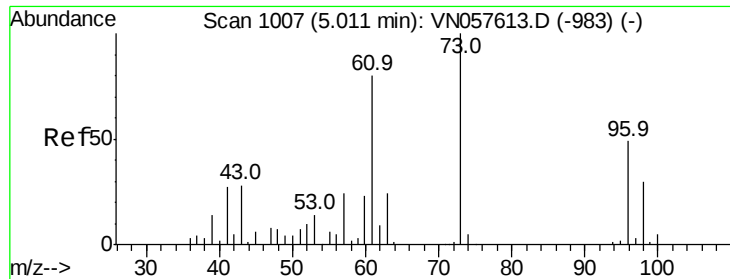
Tot Ion: 73 Resp: 33506
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9



#20
Methylene Chloride
Concen: 5.052 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 84 Resp: 11369
Ion Ratio Lower Upper
84 100
49 146.6 113.8 170.6
51 57.5 35.0 52.6#
86 78.6 50.6 75.8#

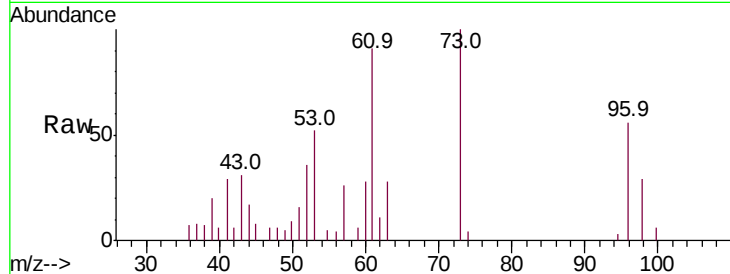




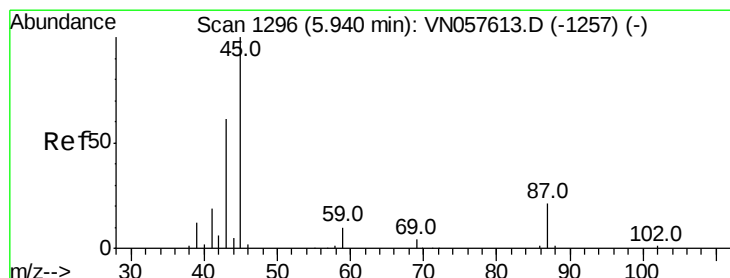
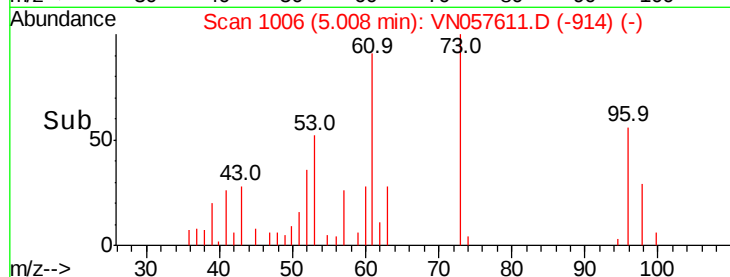
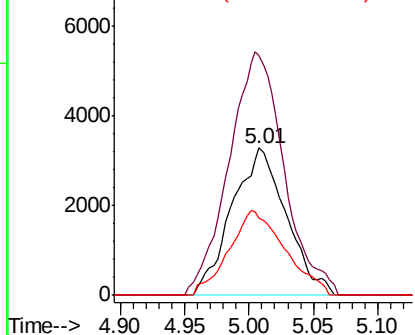
#21
trans-1,2-Dichloroethene
Concen: 4.746 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 9653
Ion Ratio Lower Upper
96 100
61 162.9 131.6 197.4
98 52.1 49.9 74.9

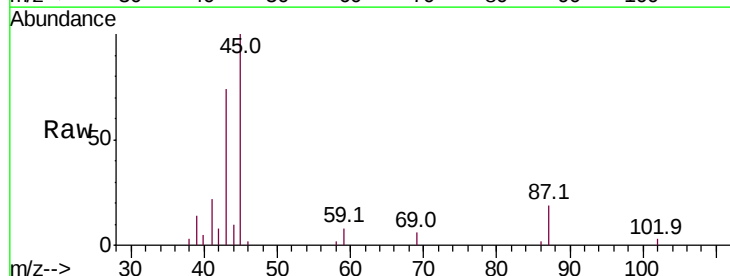


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

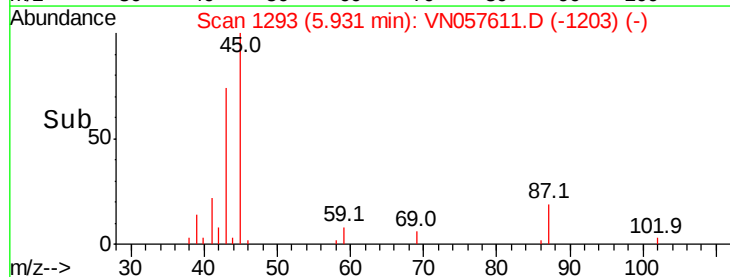
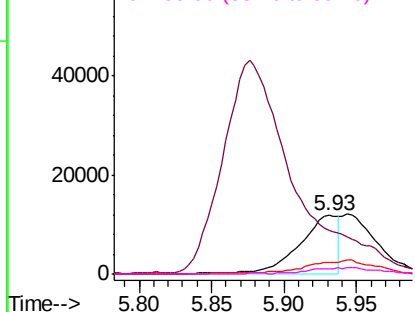


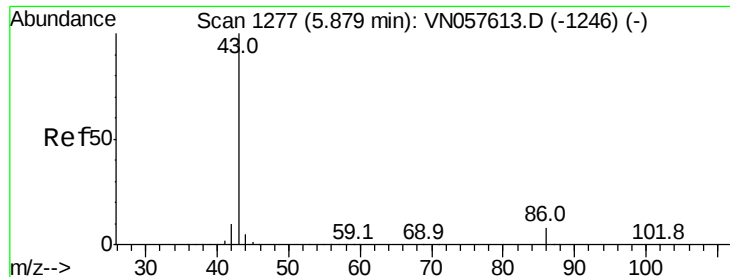
#22
Diisopropyl ether
Concen: 2.705 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 45 Resp: 22310
Ion Ratio Lower Upper
45 100
43 59.4 49.1 73.7
87 19.5 17.0 25.6
59 8.4 8.2 12.2



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: 22.603 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

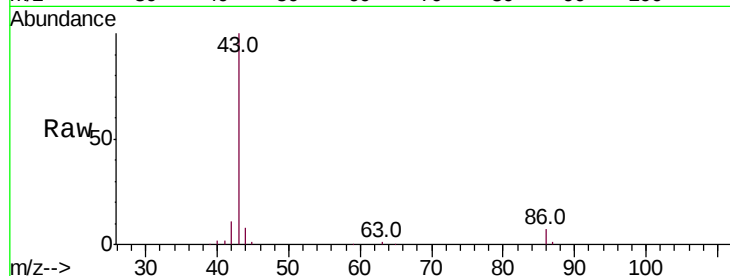
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 146731

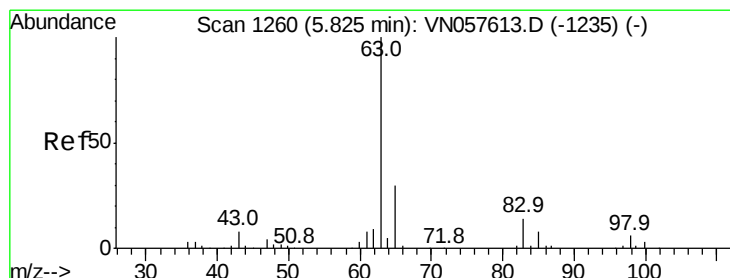
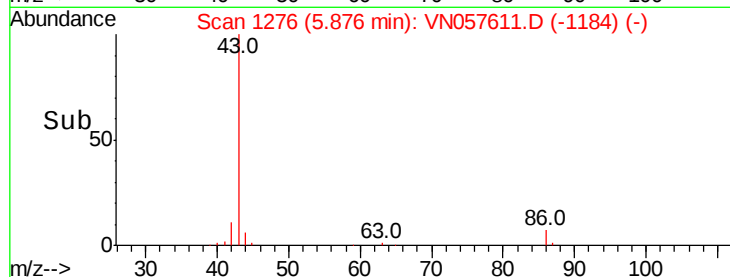
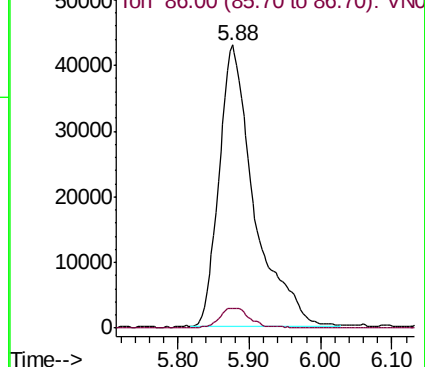
Ion Ratio Lower Upper

43 100

86 7.1 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN057611.D (-1246) (-)



#24

1,1-Dichloroethane

Concen: 4.722 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

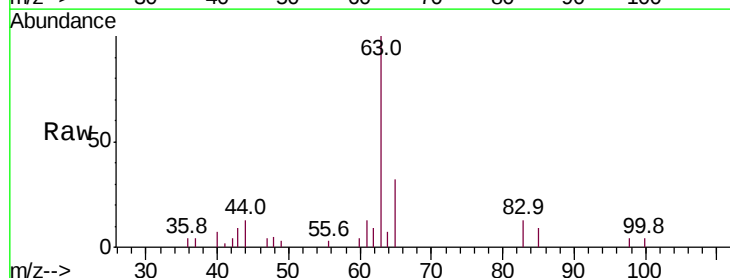
Tgt Ion: 63 Resp: 20453

Ion Ratio Lower Upper

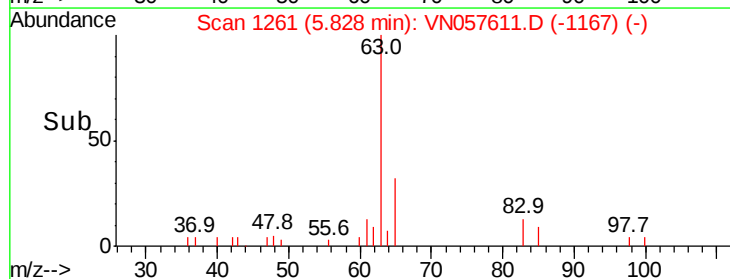
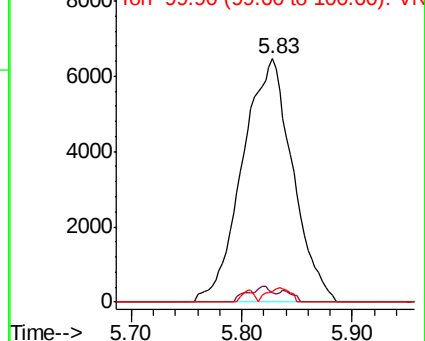
63 100

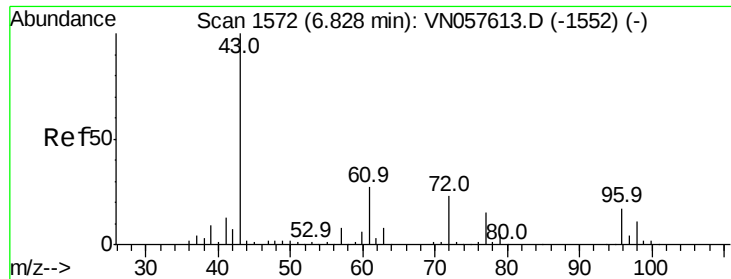
98 3.9 2.8 8.4

100 4.4 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VN057611.D (-1235) (-)





#25

2-Butanone

Concen: 24.183 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

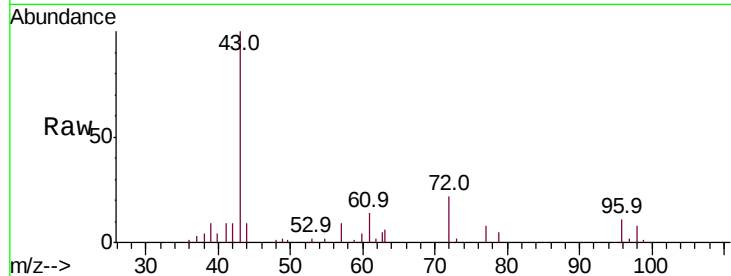
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 36198

Ion Ratio Lower Upper

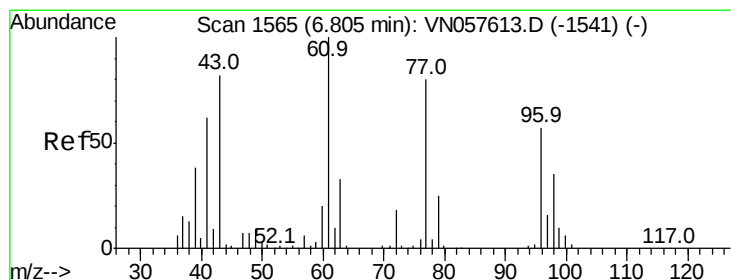
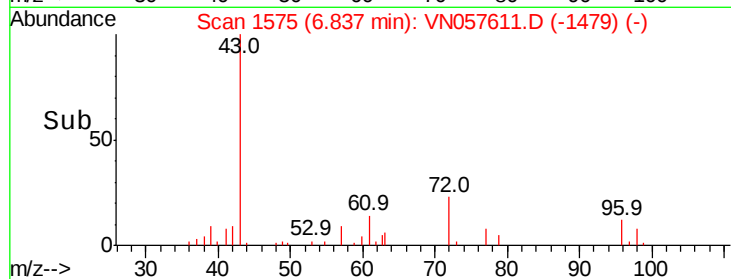
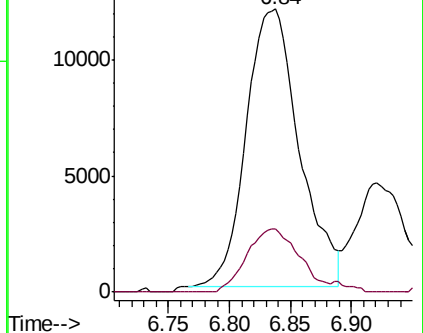
43 100

72 22.5 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 4.158 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057611.D

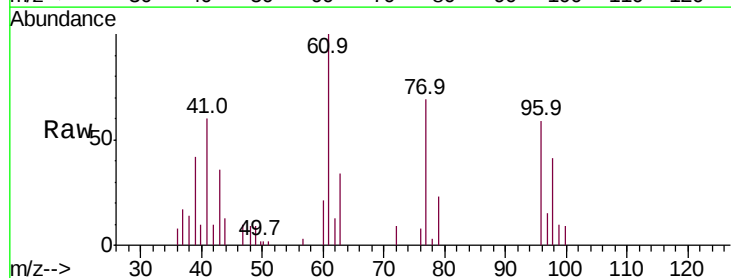
Acq: 31 Aug 2019 13:10

Tgt Ion: 77 Resp: 15430

Ion Ratio Lower Upper

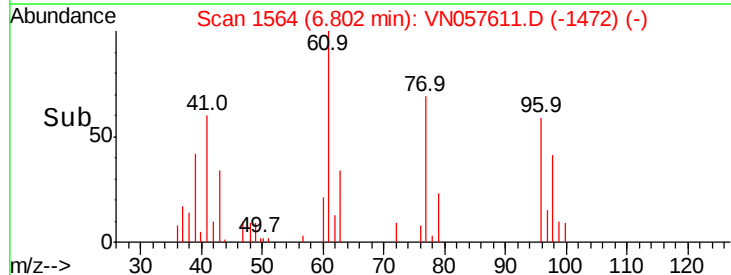
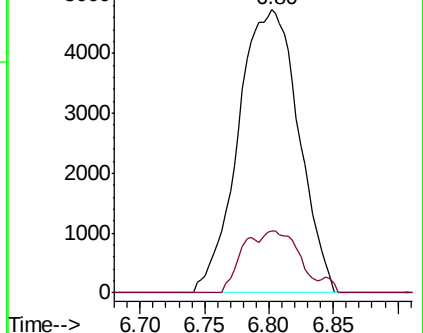
77 100

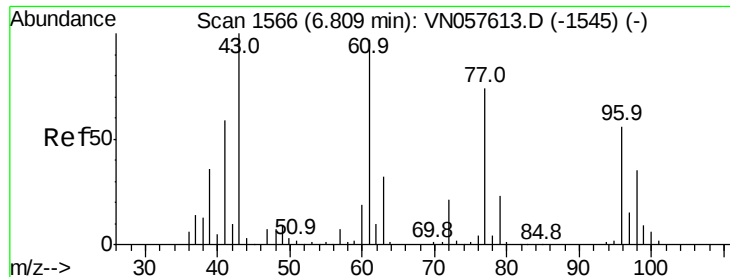
97 7.2 10.6 31.8#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.046 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampled :

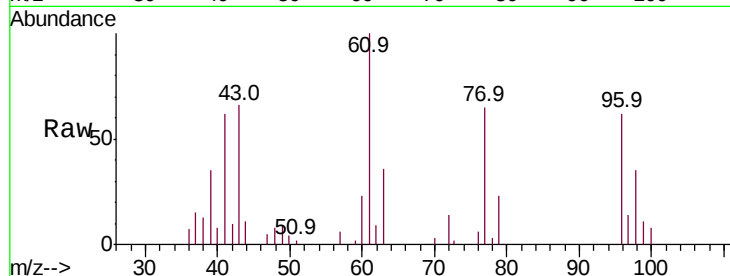
Tot Ion: 96 Resp: 12125

Ion Ratio Lower Upper

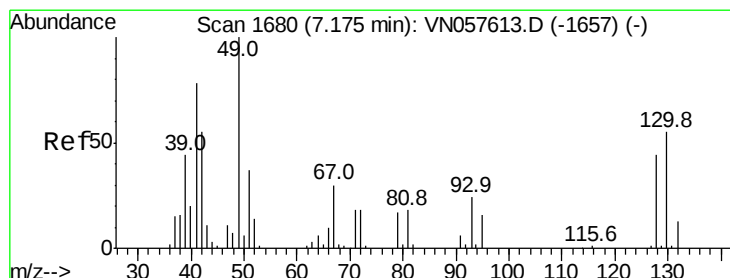
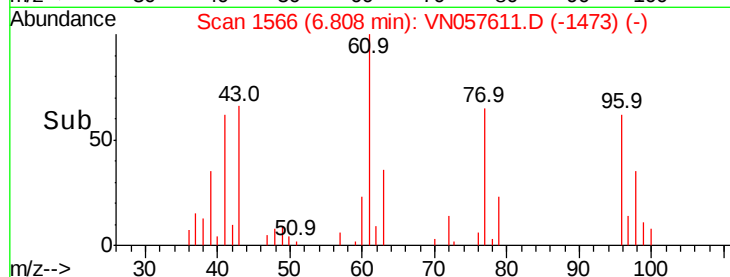
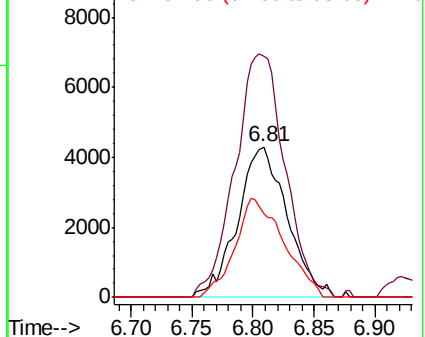
96 100

61 162.7 0.0 344.6

98 64.7 0.0 124.8



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



#28

Bromochloromethane

Concen: 5.413 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

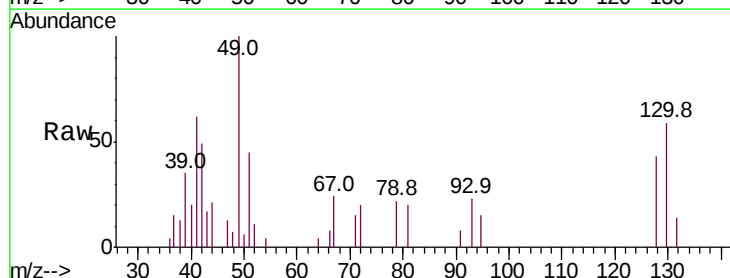
Tgt Ion: 49 Resp: 12355

Ion Ratio Lower Upper

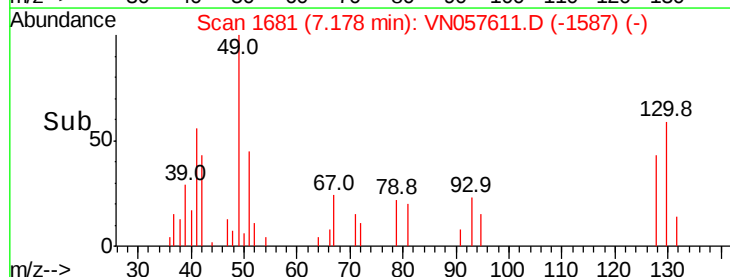
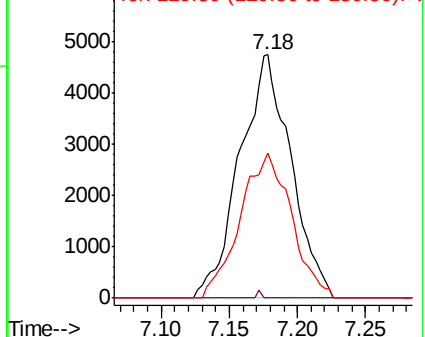
49 100

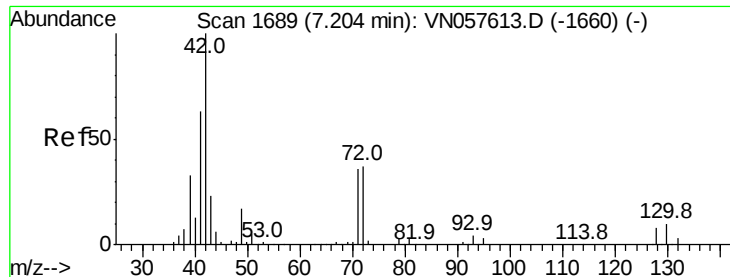
129 0.2 0.0 1.8

130 59.4 45.8 68.8



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

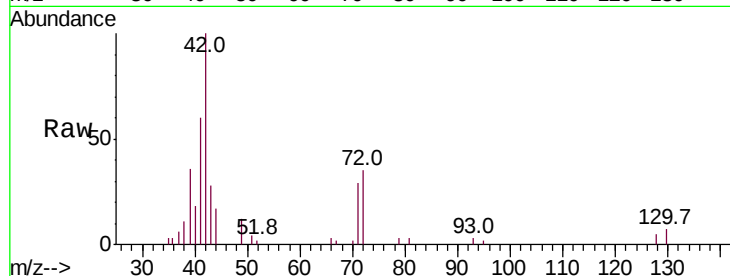




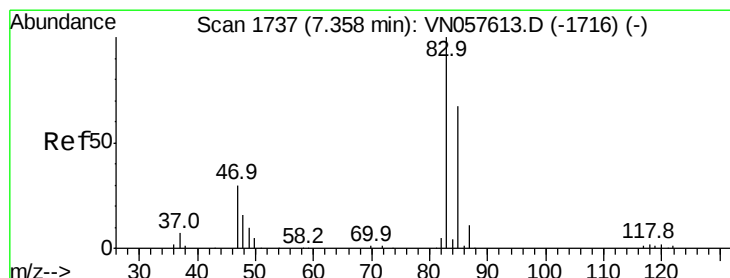
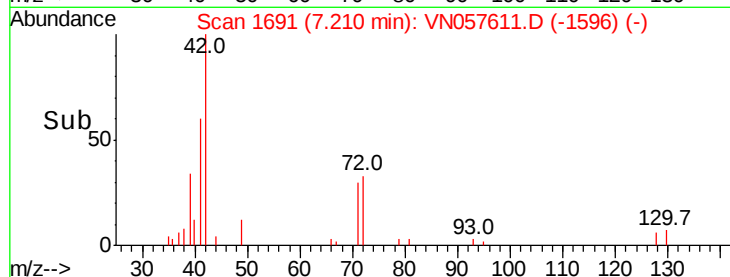
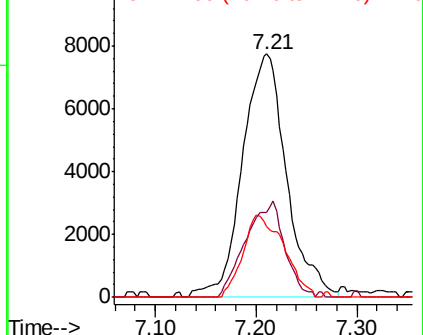
#29
Tetrahydrofuran
Concen: 24.196 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 23532
Ion Ratio Lower Upper
42 100
72 34.8 29.6 44.4
71 31.3 27.9 41.9

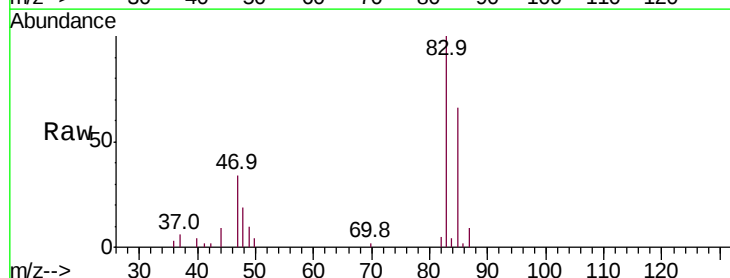


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

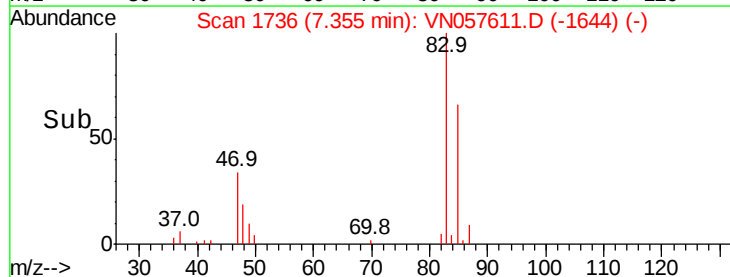
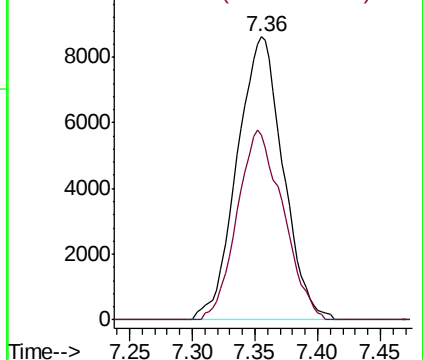


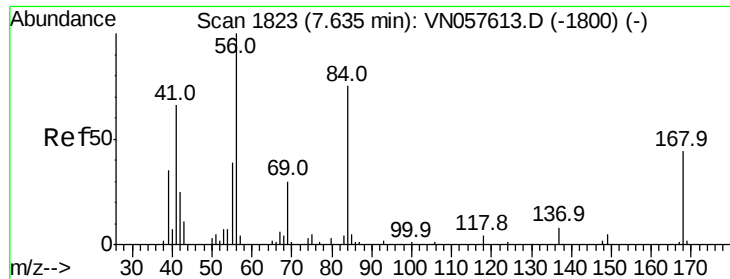
#30
Chloroform
Concen: 4.887 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 83 Resp: 21987
Ion Ratio Lower Upper
83 100
85 65.5 53.2 79.8



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

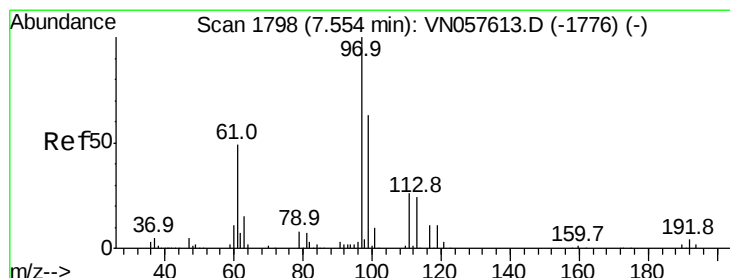
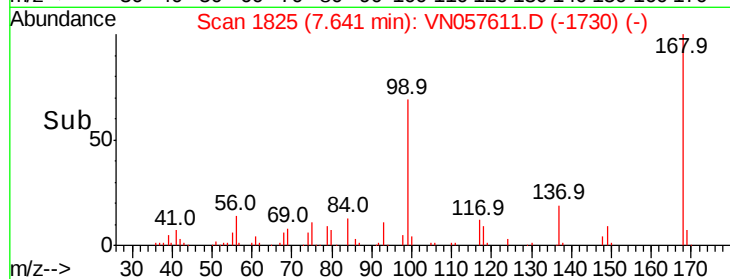
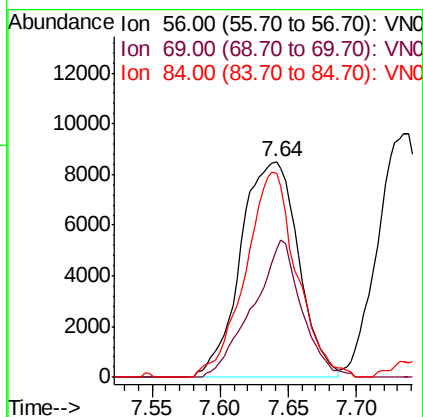
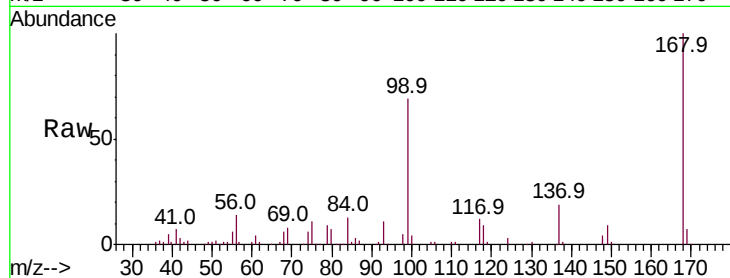




#31
Cyclohexane
Concen: 5.951 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

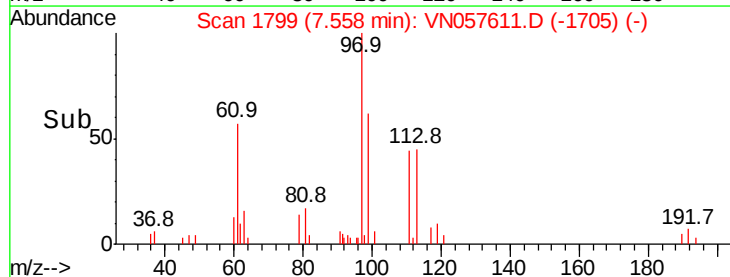
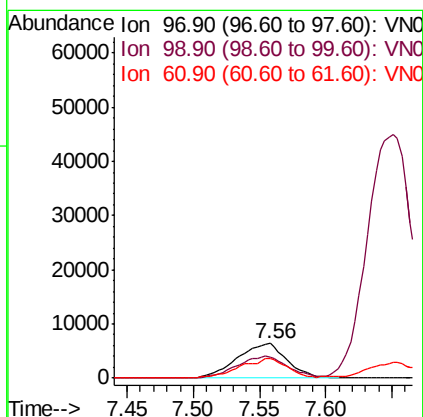
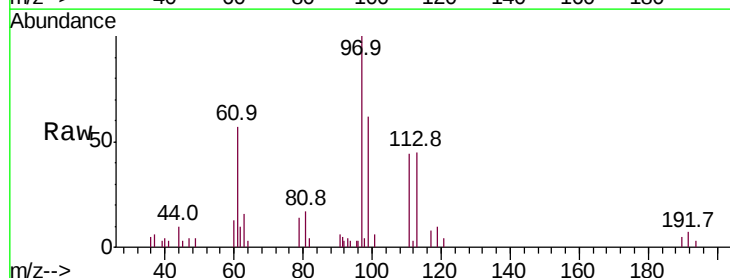
Instrument :
MSVOA_N
ClientSampled :

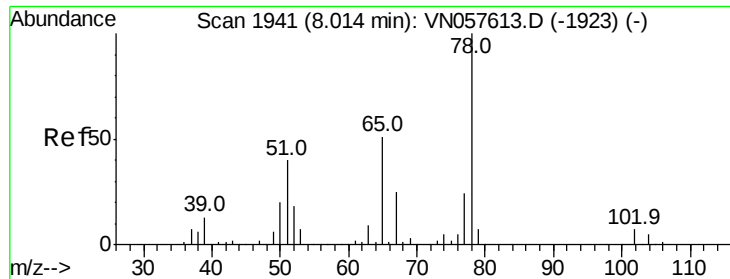
Tot Ion: 56 Resp: 24992
Ion Ratio Lower Upper
56 100
69 59.4 24.4 36.6#
84 94.4 59.9 89.9#



#32
1,1,1-Trichloroethane
Concen: 4.511 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 97 Resp: 16643
Ion Ratio Lower Upper
97 100
99 64.6 50.6 75.8
61 54.0 41.1 61.7





#33

1,2-Dichloroethane-d4

Concen: 6.028 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

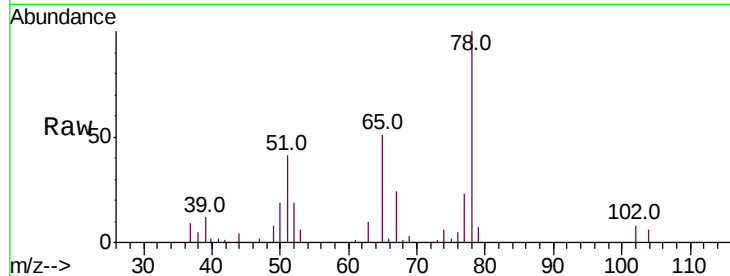
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 18202

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VN057611.D (-1848) (-)

Ion 66.90 (66.60 to 67.60): VN057611.D (-1848) (-)

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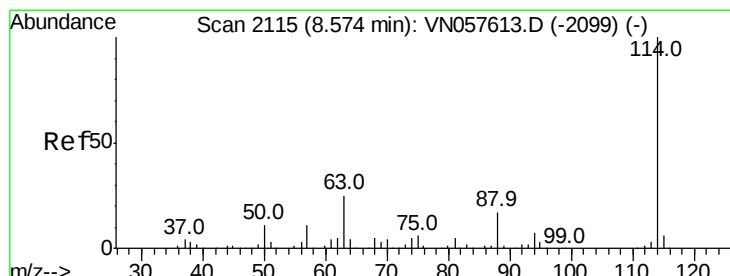
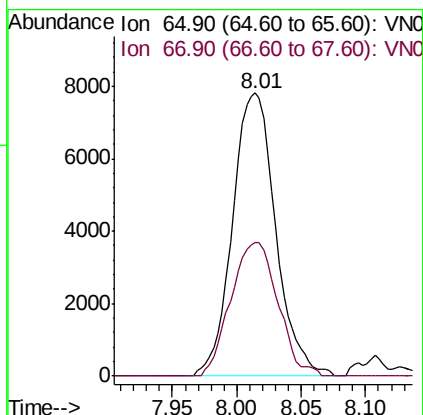
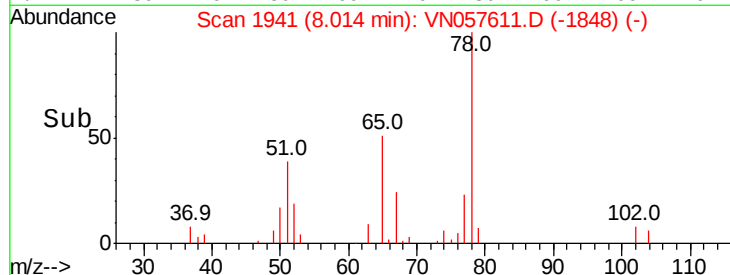
8.01

8.01

8.01

8.01

8.01



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

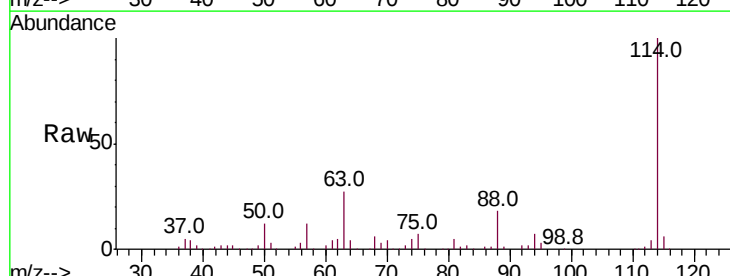
Tgt Ion:114 Resp: 268801

Ion Ratio Lower Upper

114 100

63 26.6 0.0 49.0

88 18.0 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN057611.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN057611.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN057611.D (-2022) (-)

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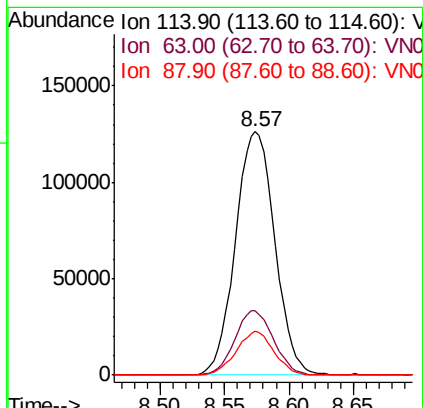
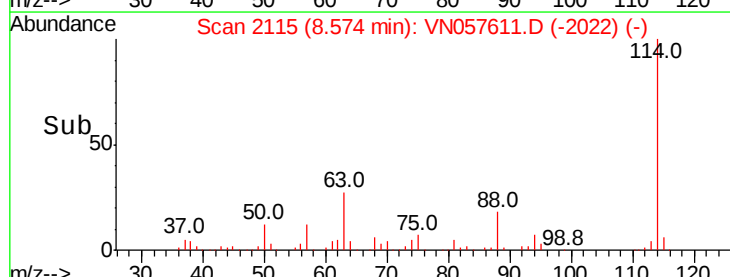
8.57

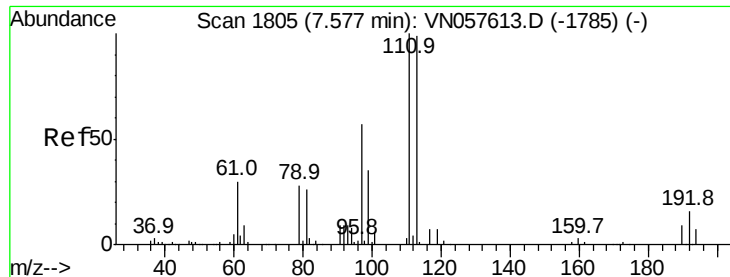
8.57

8.57

8.57

8.57





#35

Dibromofluoromethane

Concen: 6.169 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :

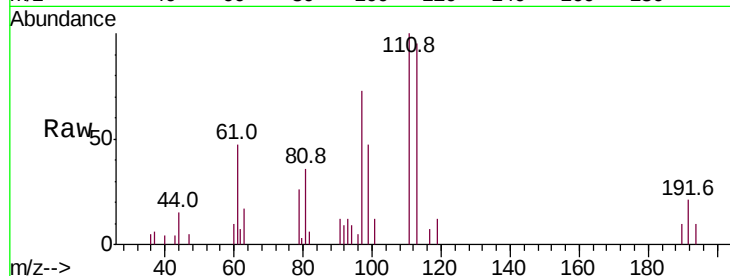
Tot Ion:113 Resp: 11973

Ion Ratio Lower Upper

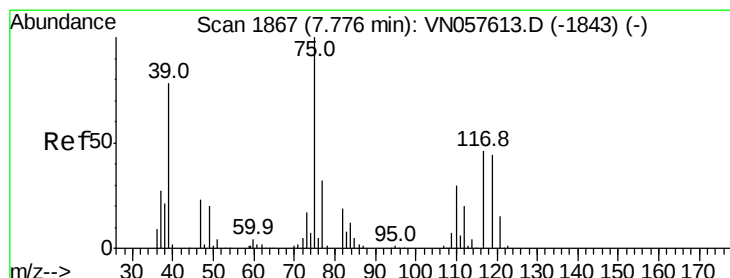
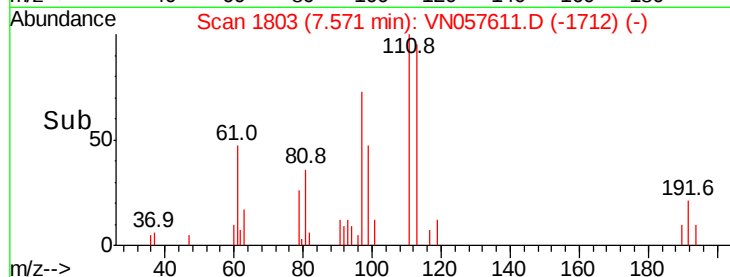
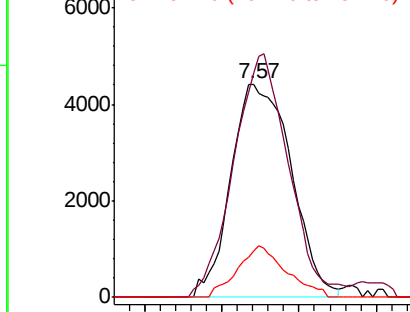
113 100

111 104.0 81.3 121.9

192 19.6 13.5 20.3



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



#36

1,1-Dichloropropene

Concen: 5.292 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

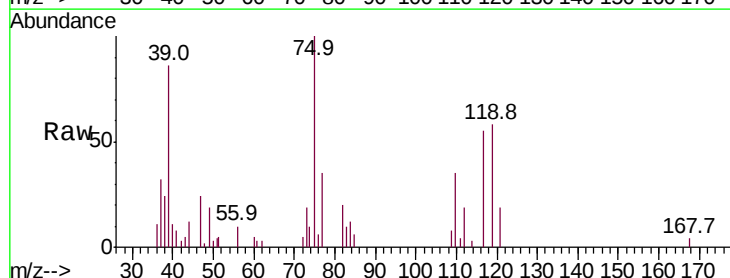
Tgt Ion: 75 Resp: 15526

Ion Ratio Lower Upper

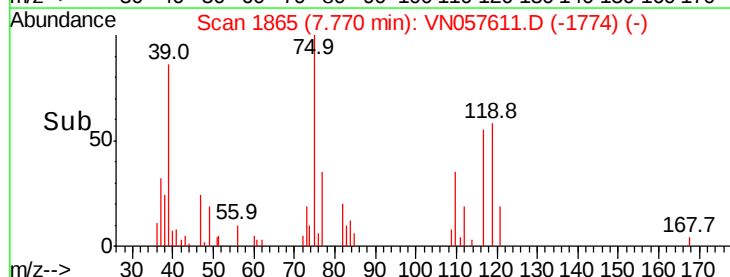
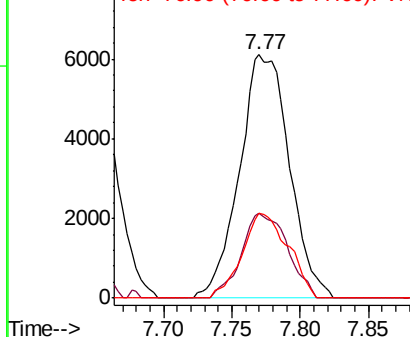
75 100

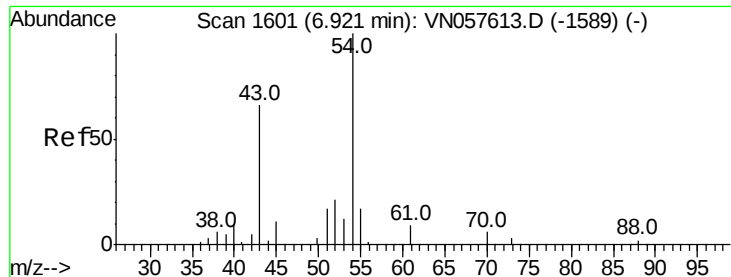
110 32.2 15.6 46.8

77 32.2 24.9 37.3



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





#37

Ethyl Acetate

Concen: 4.464 ug/l

RT: 6.92 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :

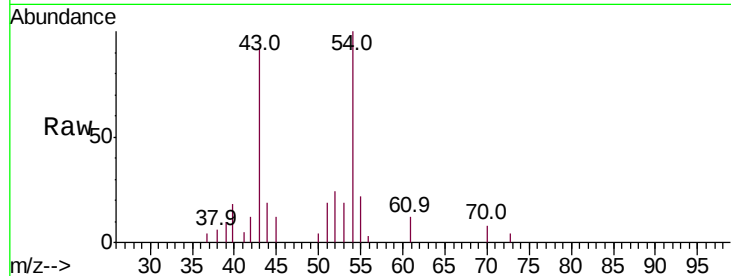
Tot Ion: 43 Resp: 12861

Ion Ratio Lower Upper

43 100

61 6.9 10.1 15.1#

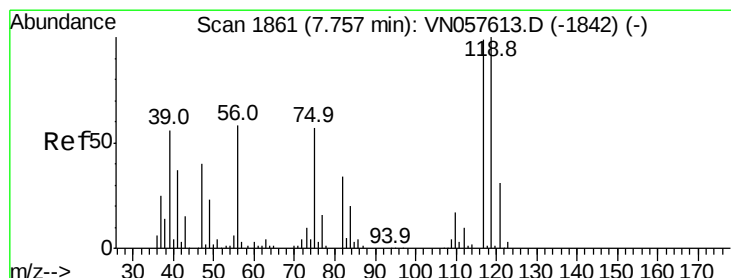
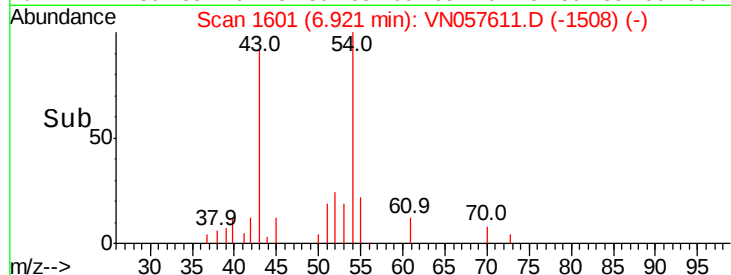
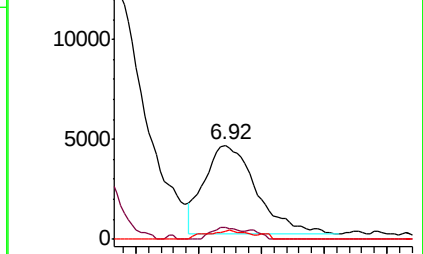
70 6.1 6.8 10.2#



Abundance Ion 43.00 (42.70 to 43.70): VN057611.D (-1589) (-)

Ion 60.90 (60.60 to 61.60): VN057611.D (-1589) (-)

Ion 70.00 (69.70 to 70.70): VN057611.D (-1589) (-)



#38

Carbon Tetrachloride

Concen: 4.609 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

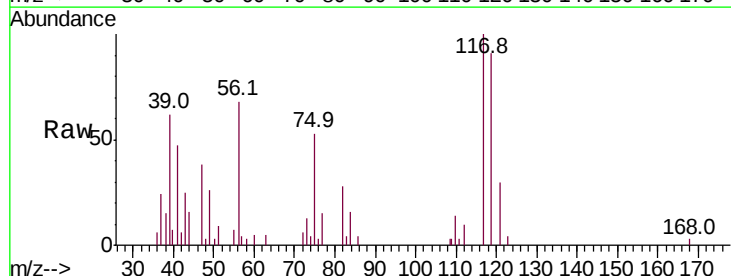
Tgt Ion: 117 Resp: 13138

Ion Ratio Lower Upper

117 100

119 91.0 80.6 120.8

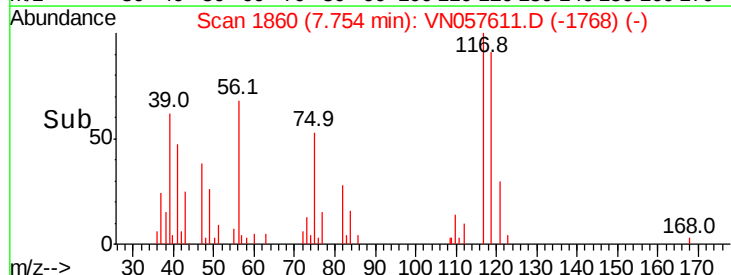
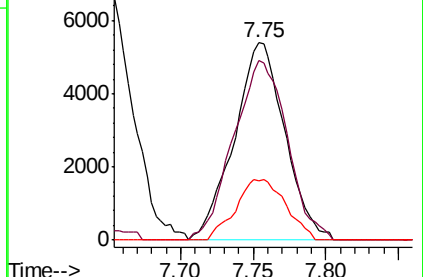
121 30.3 25.1 37.7

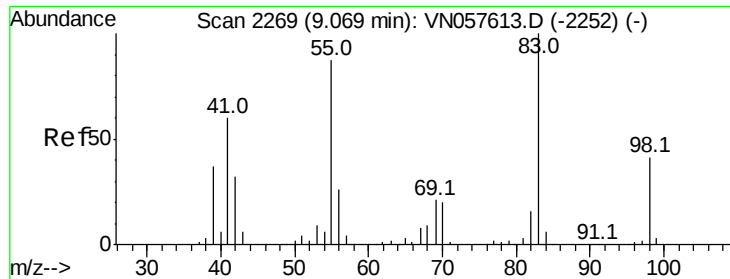


Abundance Ion 116.80 (116.50 to 117.50): VN057611.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN057611.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN057611.D (-1768) (-)

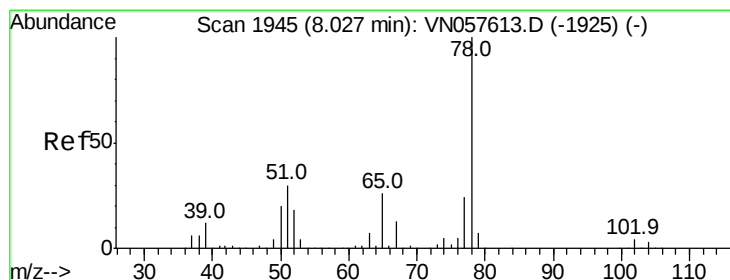
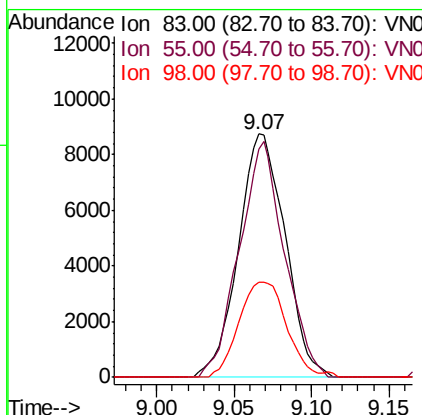
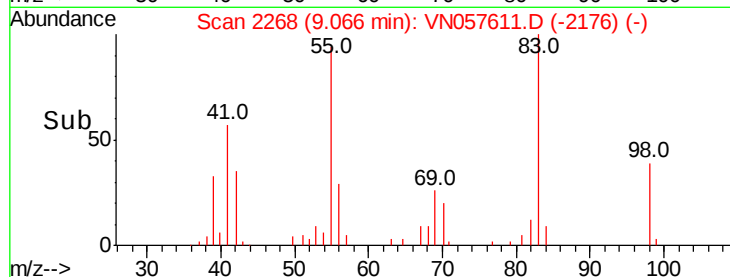
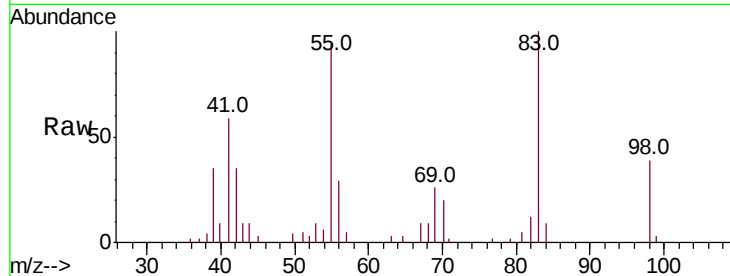




#39
Methvlcvclohexane
Concen: 5.279 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

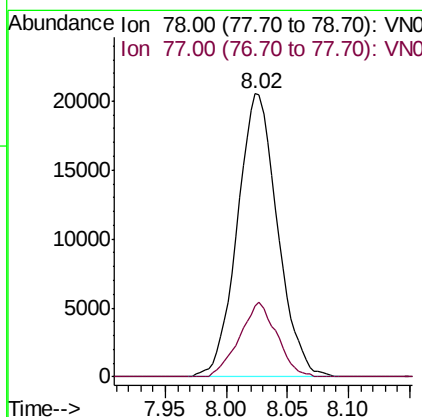
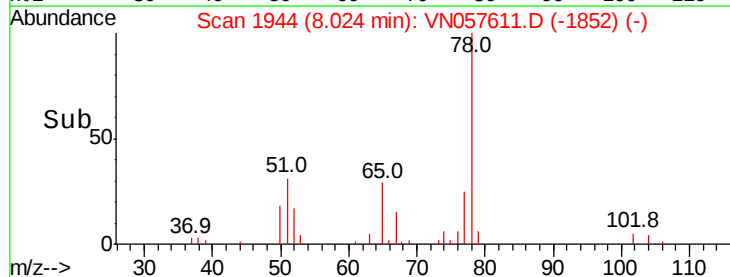
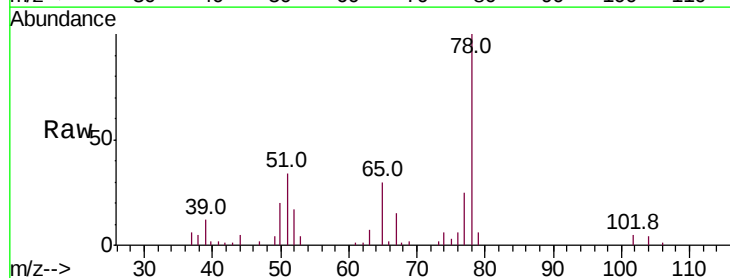
Instrument :
MSVOA_N
ClientSampled :

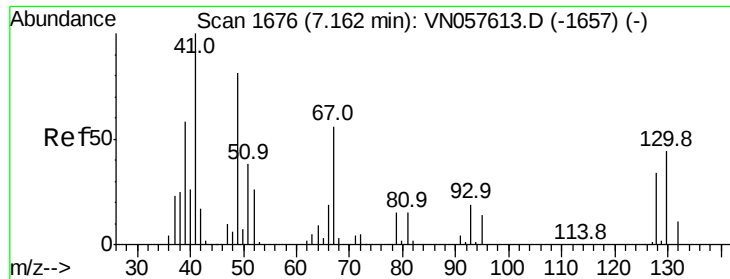
Tot Ion: 83 Resp: 18343
Ion Ratio Lower Upper
83 100
55 93.9 69.8 104.8
98 39.2 32.7 49.1



#40
Benzene
Concen: 5.344 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 78 Resp: 46720
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7





#41

Methacrylonitrile

Concen: 4.505 ug/l

RT: 7.16 min Scan# 1675

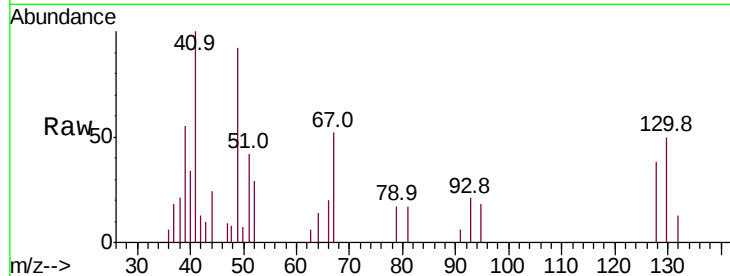
Delta R.T. -0.00 min

Lab File: VN057611.D

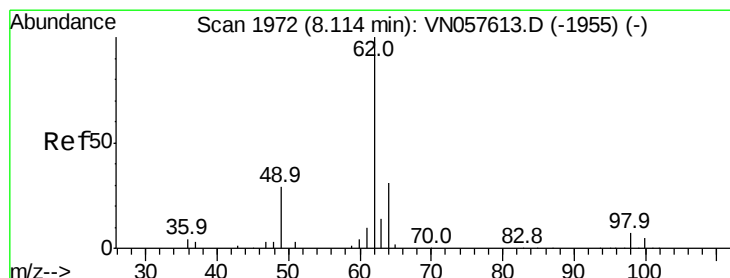
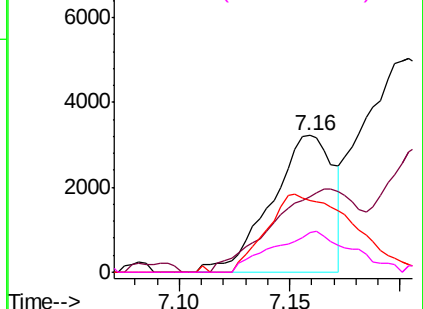
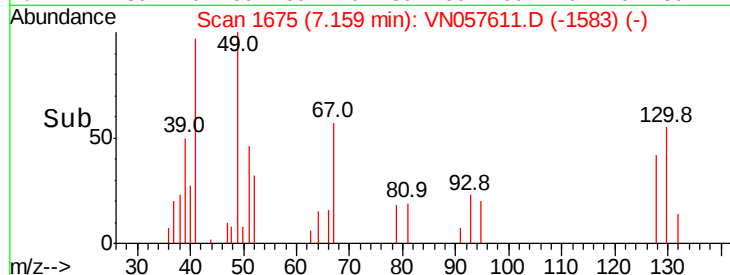
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	6300
Ion	Ratio	Lower	Upper
41	100		
39	84.1	50.6	75.8#
67	80.5	56.9	85.3
52	37.9	27.4	41.2



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



#42

1,2-Dichloroethane

Concen: 5.302 ug/l

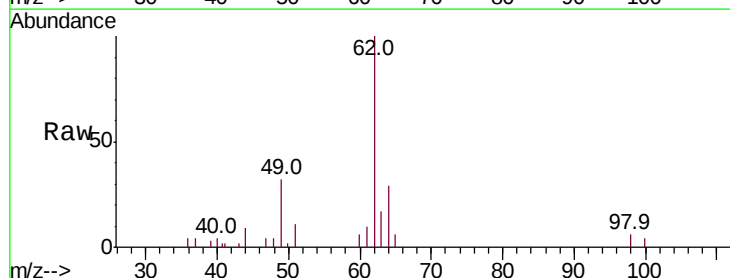
RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

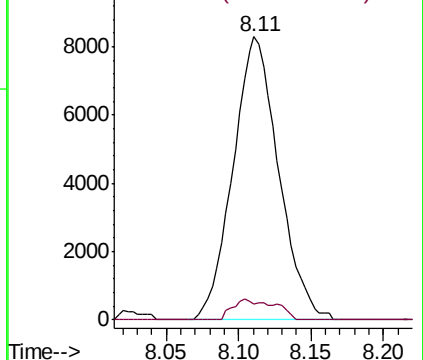
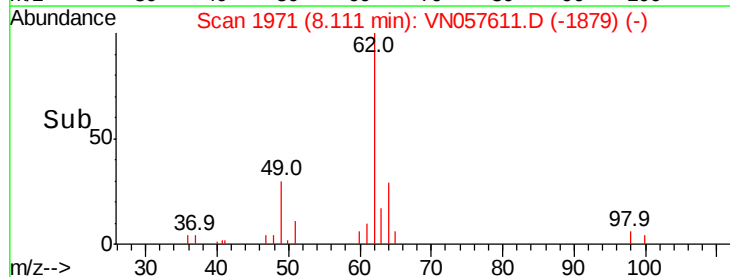
Lab File: VN057611.D

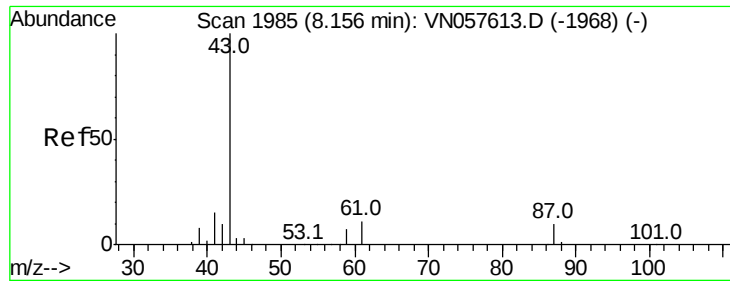
Acq: 31 Aug 2019 13:10

Tgt Ion:	62	Resp:	18111
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	14.0



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





#43

Isopropyl Acetate

Concen: 4.563 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampled :

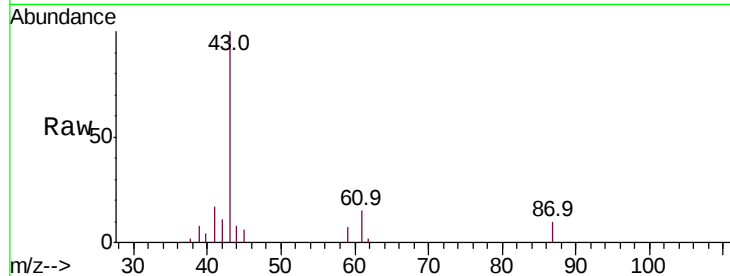
Tot Ion: 43 Resp: 24068

Ion Ratio Lower Upper

43 100

61 17.8 13.1 19.7

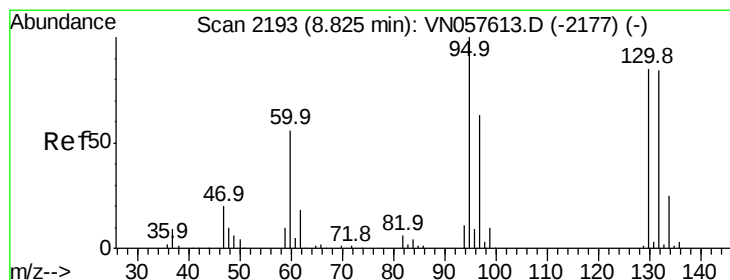
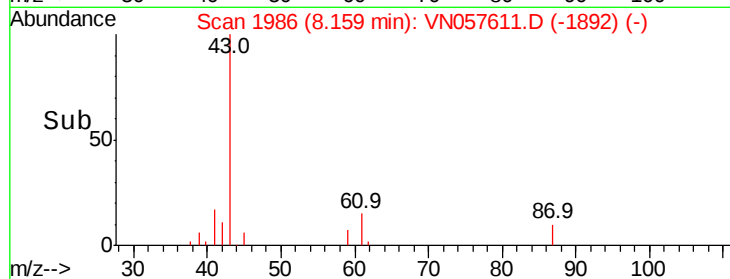
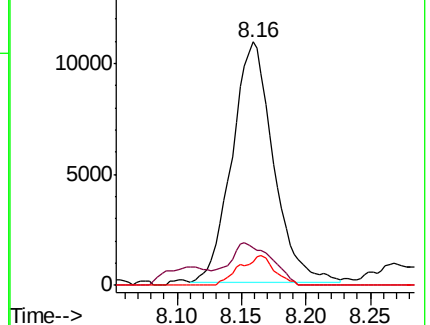
87 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN057611.D (-2100) (-)

Ion 61.00 (60.70 to 61.70): VN057611.D (-2100) (-)

Ion 87.00 (86.70 to 87.70): VN057611.D (-2100) (-)



#44

Trichloroethene

Concen: 5.668 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057611.D

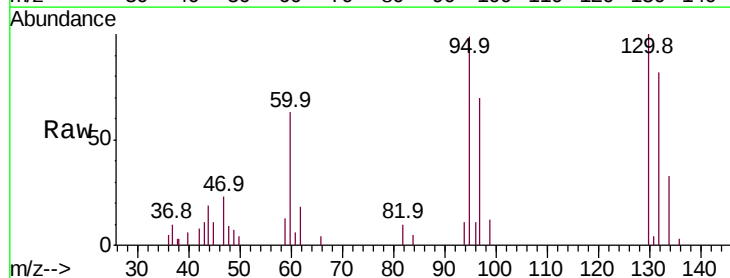
Acq: 31 Aug 2019 13:10

Tgt Ion: 130 Resp: 11020

Ion Ratio Lower Upper

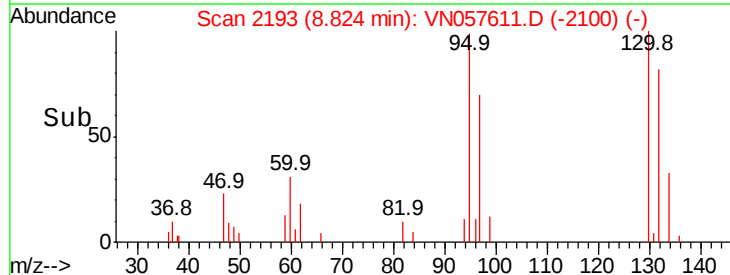
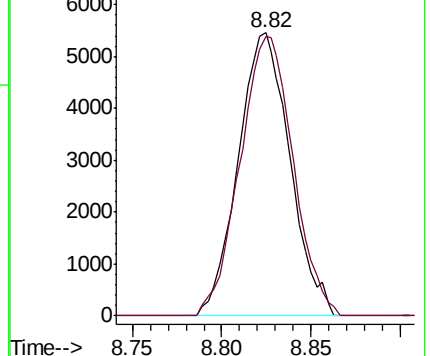
130 100

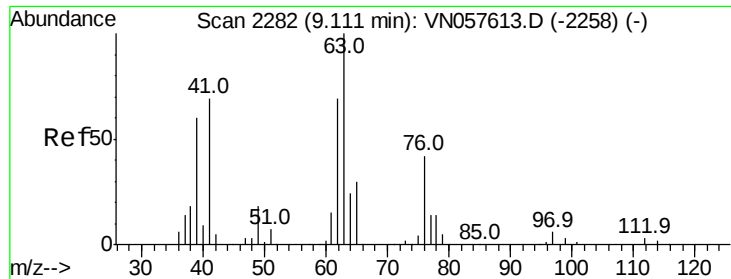
95 98.7 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): VN057611.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN057611.D (-2100) (-)

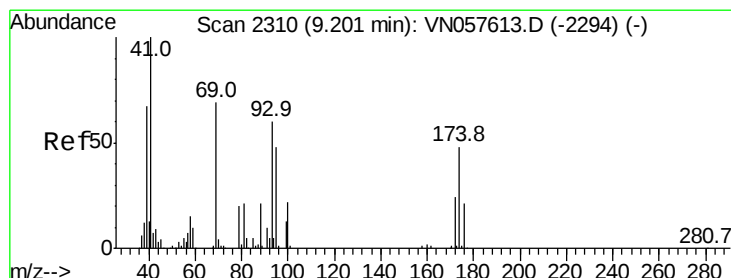
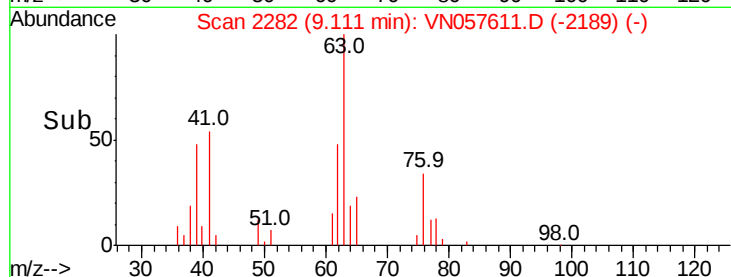
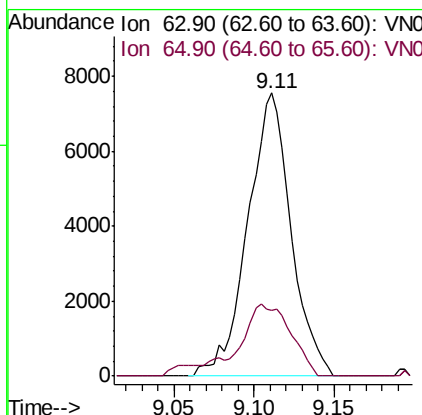
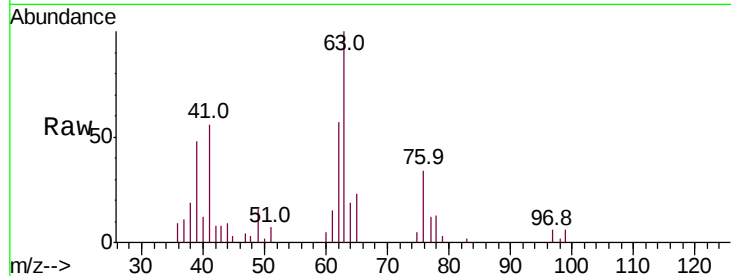




#45
 1,2-Dichloropropane
 Concen: 5.686 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

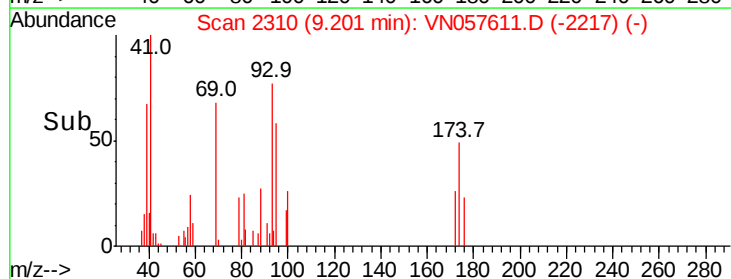
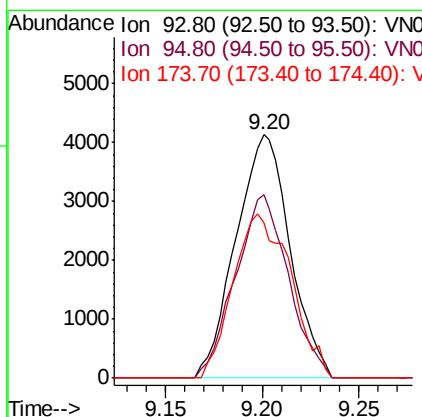
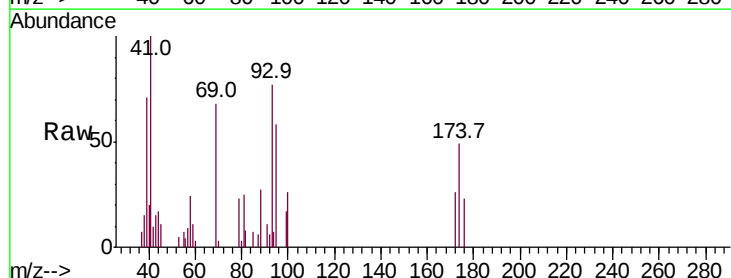
Instrument :
 MSVOA_N
 ClientSampled :

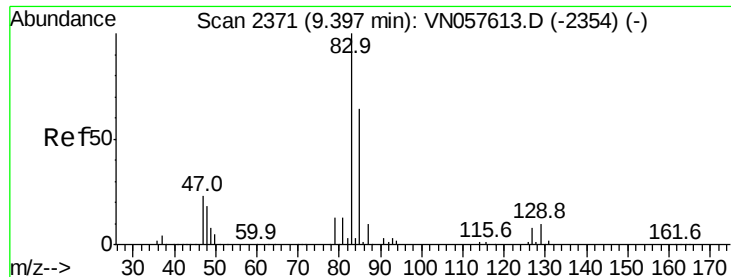
Tot Ion: 63 Resp: 13994
 Ion Ratio Lower Upper
 63 100
 65 23.4 24.4 36.6#



#46
 Dibromomethane
 Concen: 5.154 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion: 93 Resp: 8054
 Ion Ratio Lower Upper
 93 100
 95 73.7 65.8 98.6
 174 71.8 64.2 96.2





#47

Bromodichloromethane

Concen: 4.266 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

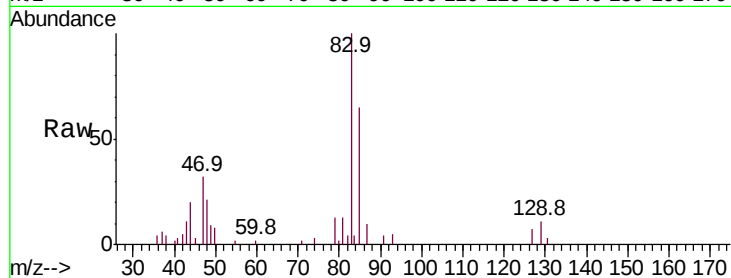
Tot Ion: 83 Resp: 13819

Ion Ratio Lower Upper

83 100

85 64.8 51.4 77.0

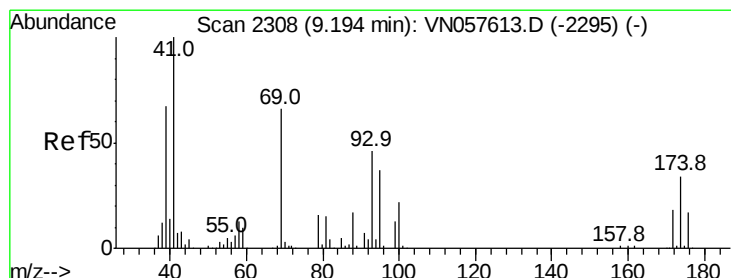
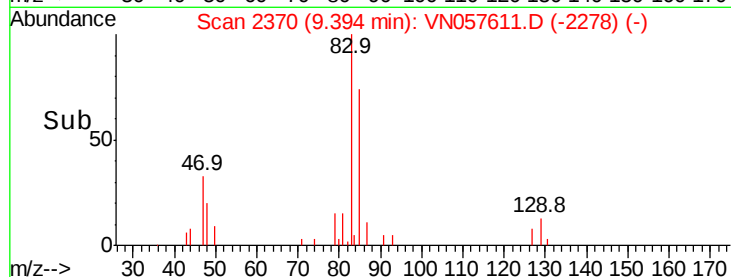
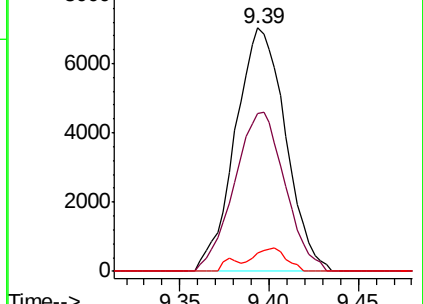
127 7.5 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN057611.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057611.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057611.D (-2278) (-)



#48

Methyl methacrylate

Concen: 5.163 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

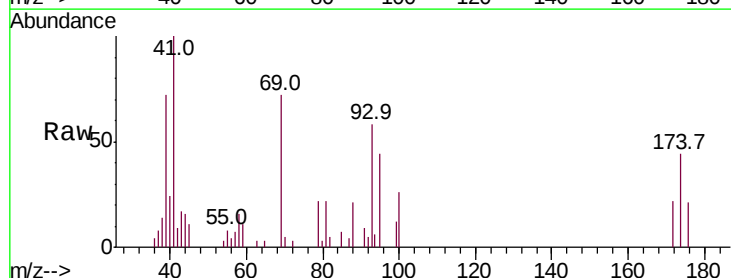
Tgt Ion: 41 Resp: 13093

Ion Ratio Lower Upper

41 100

69 67.9 55.1 82.7

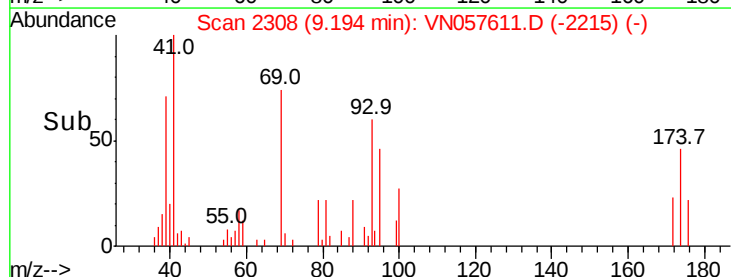
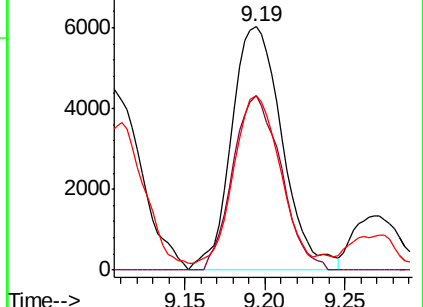
39 63.0 55.4 83.2

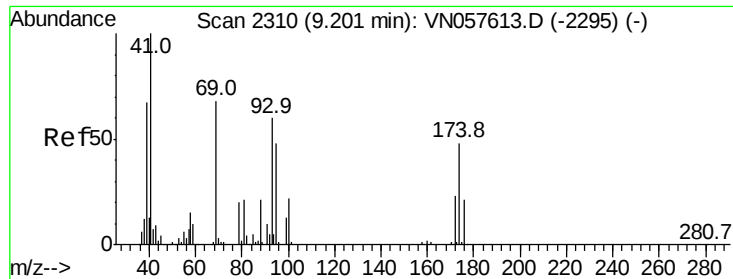


Abundance Ion 41.00 (40.70 to 41.70): VN057611.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057611.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057611.D (-2215) (-)





#49

1,4-Dioxane

Concen: 95.698 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

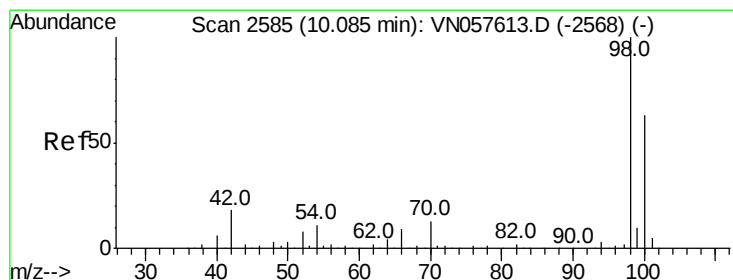
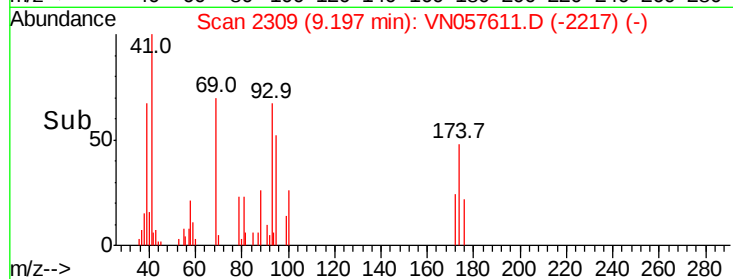
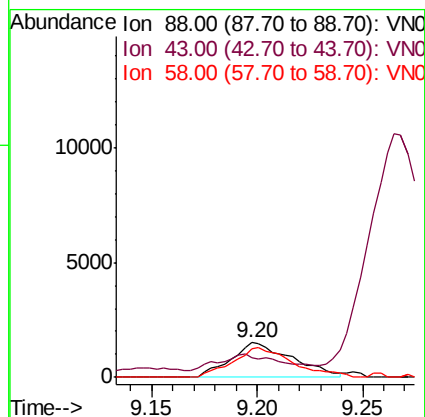
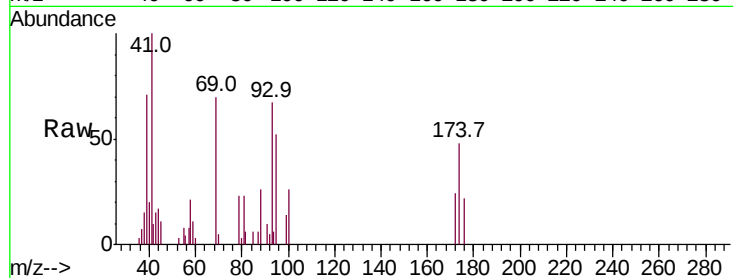
Tot Ion: 88 Resp: 3060

Ion Ratio Lower Upper

88 100

43 47.9 35.0 52.4

58 84.1 61.6 92.4



#50

Toluene-d8

Concen: 5.681 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057611.D

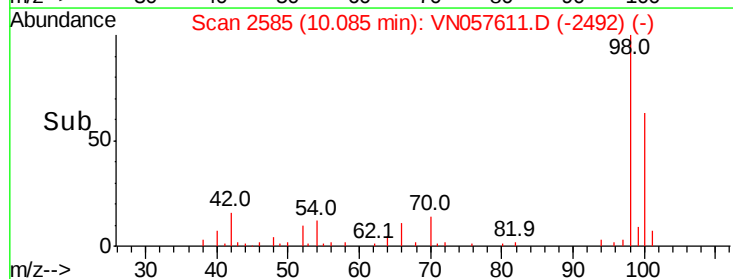
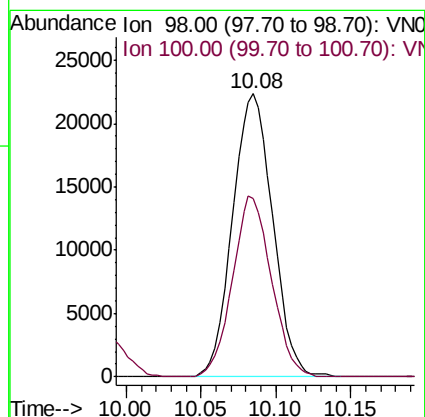
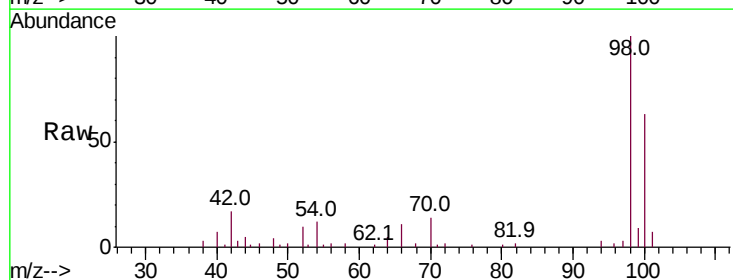
Acq: 31 Aug 2019 13:10

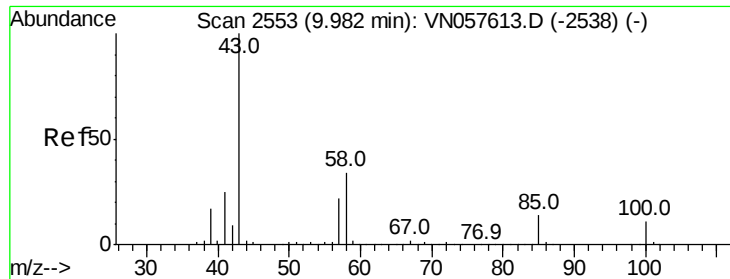
Tgt Ion: 98 Resp: 41702

Ion Ratio Lower Upper

98 100

100 61.8 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 23.544 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

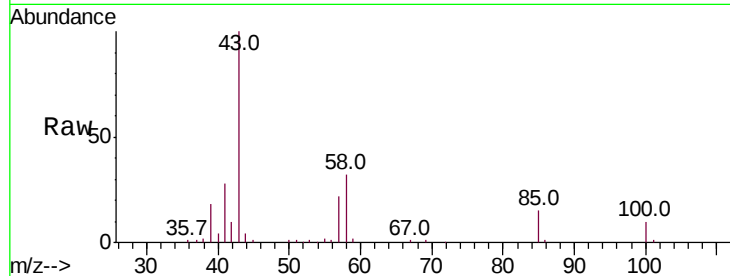
ClientSampleId :

Tot Ion: 43 Resp: 69939

Ion Ratio Lower Upper

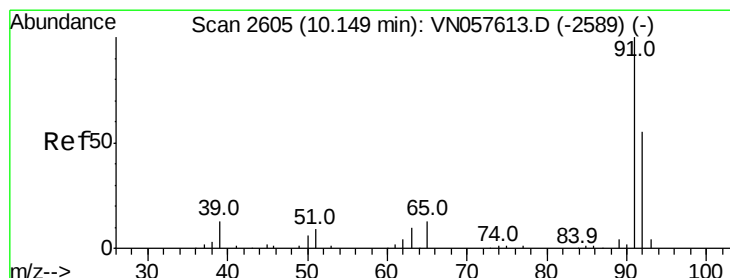
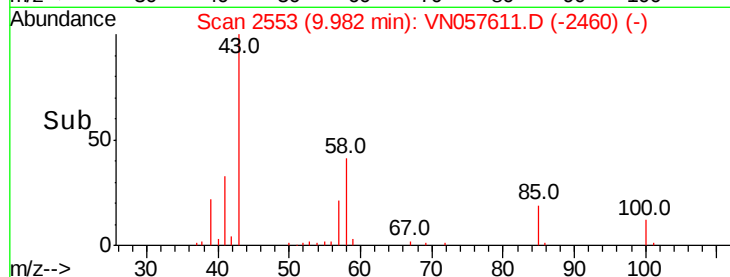
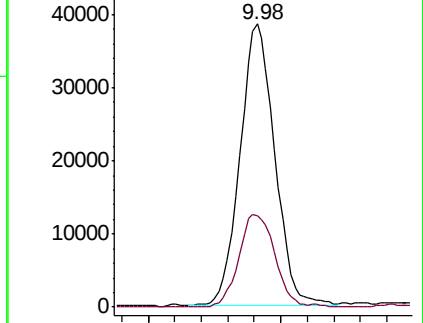
43 100

58 33.9 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.108 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057611.D

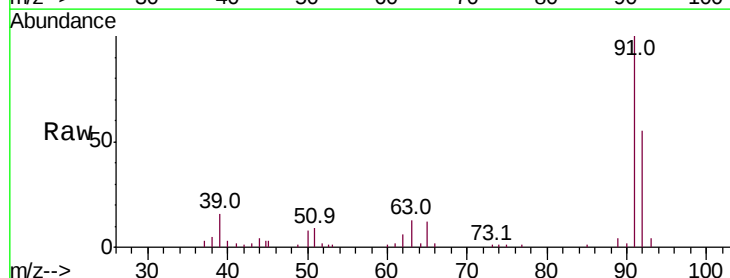
Acq: 31 Aug 2019 13:10

Tgt Ion: 92 Resp: 25871

Ion Ratio Lower Upper

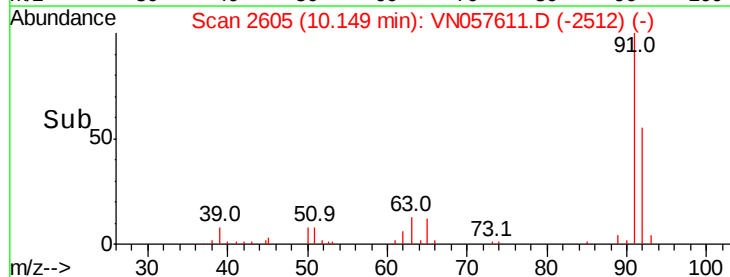
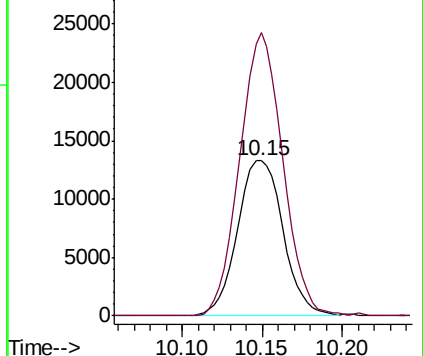
92 100

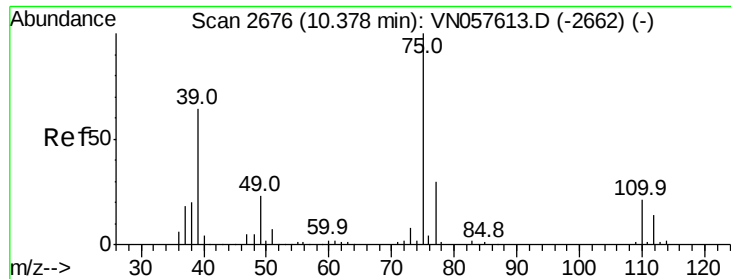
91 172.3 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 3.896 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

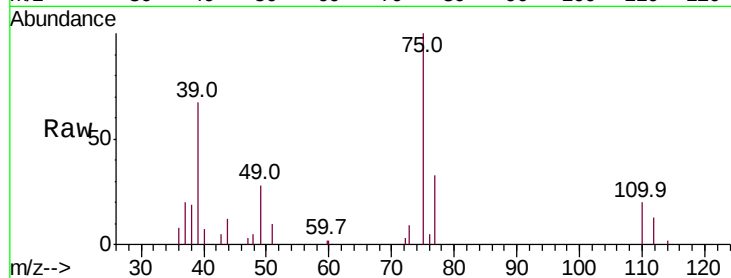
ClientSampleId :

Tot Ion: 75 Resp: 13152

Ion Ratio Lower Upper

75 100

77 32.6 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

8000

6000

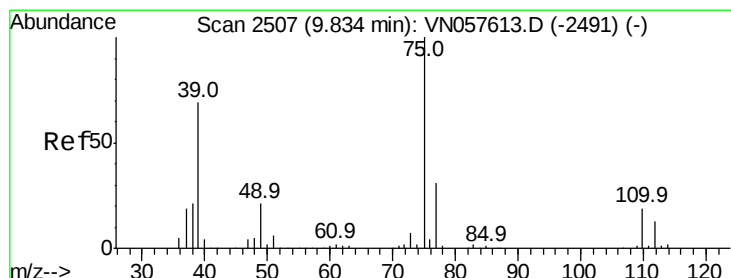
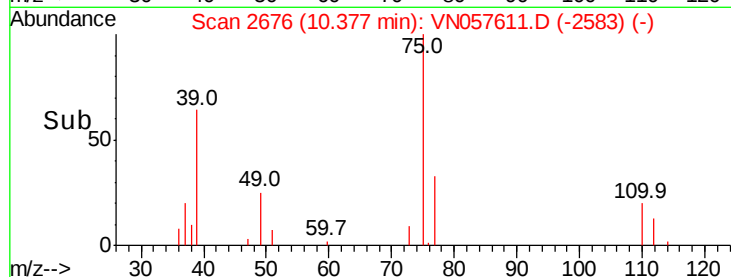
4000

2000

0

10.35 10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.056 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

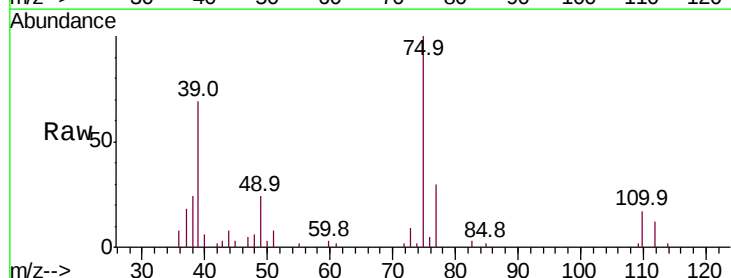
Tgt Ion: 75 Resp: 15275

Ion Ratio Lower Upper

75 100

77 29.6 24.8 37.2

39 65.9 55.0 82.4



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

12000

10000

8000

6000

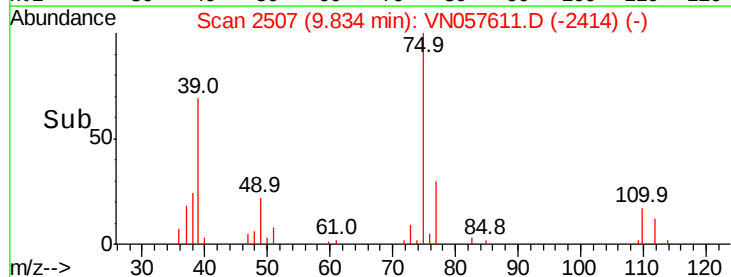
4000

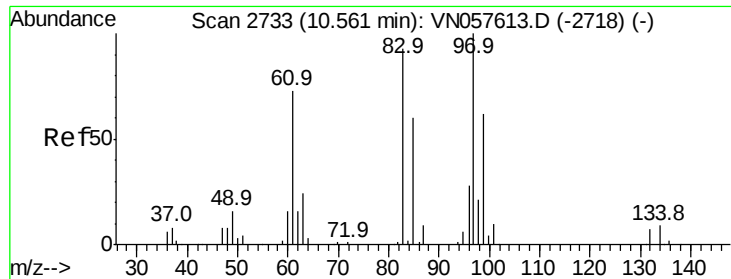
2000

0

9.75 9.80 9.85 9.90

Time-->

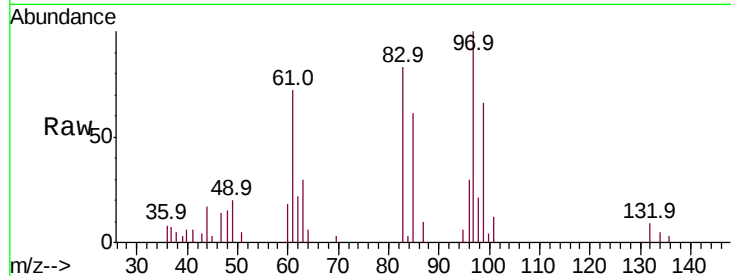




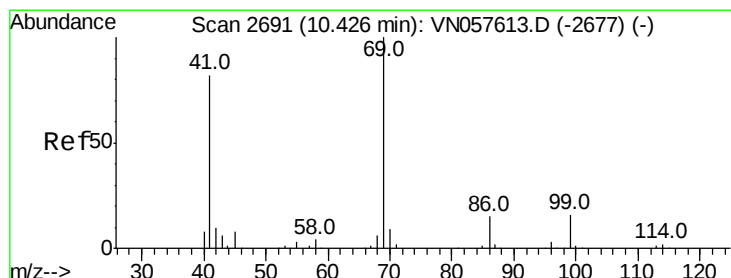
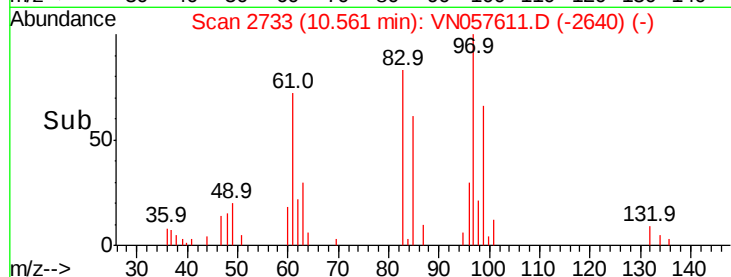
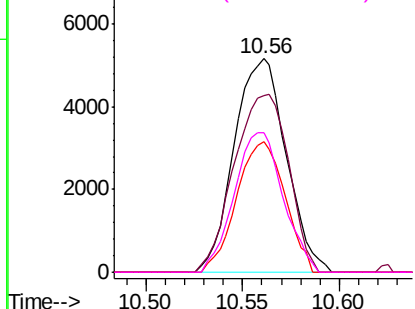
#55
 1,1,2-Trichloroethane
 Concen: 4.757 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 9671
 Ion Ratio Lower Upper
 97 100
 83 82.9 74.2 111.2
 85 61.0 47.8 71.8
 99 65.6 49.3 73.9

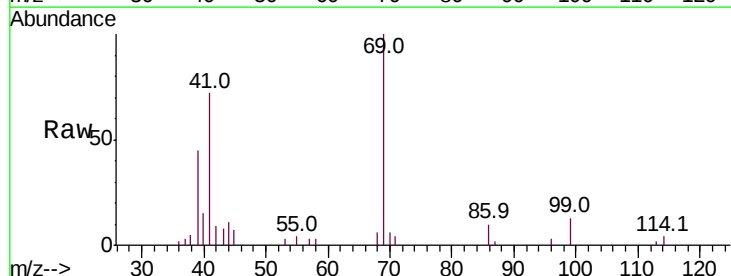


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

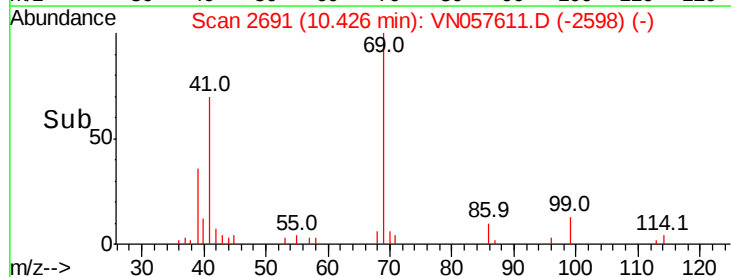
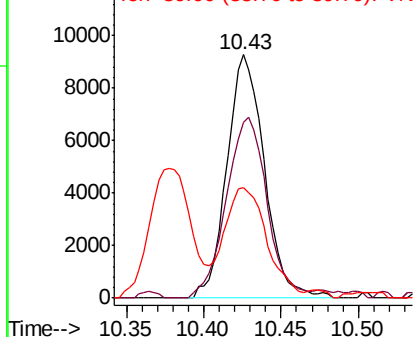


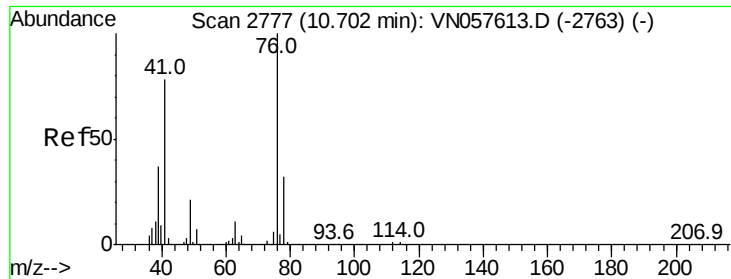
#56
 Ethyl methacrylate
 Concen: 4.858 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion: 69 Resp: 15596
 Ion Ratio Lower Upper
 69 100
 41 80.7 65.8 98.6
 39 51.8 43.8 65.8



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





#57

1,3-Dichloropropane

Concen: 5.037 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

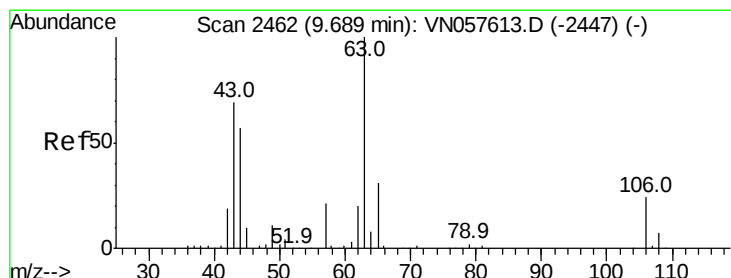
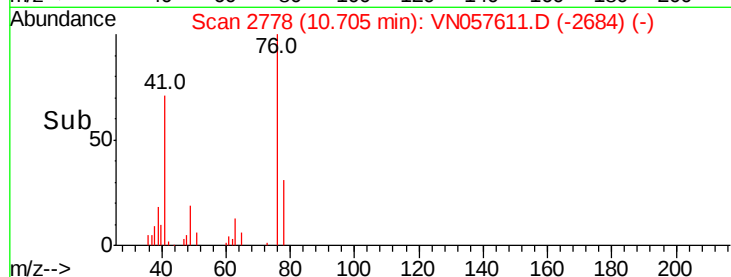
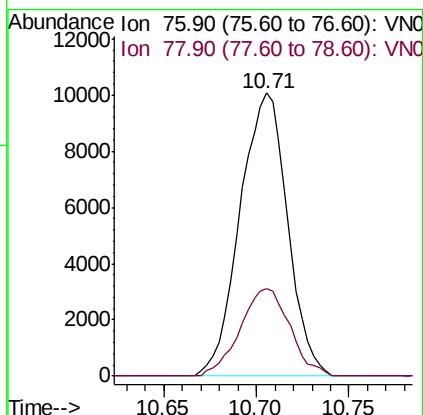
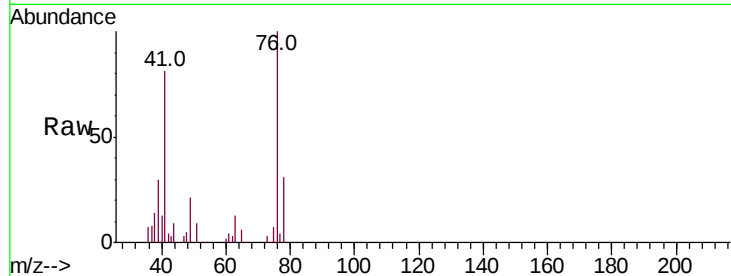
ClientSampleId :

Tot Ion: 76 Resp: 17935

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 28.716 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057611.D

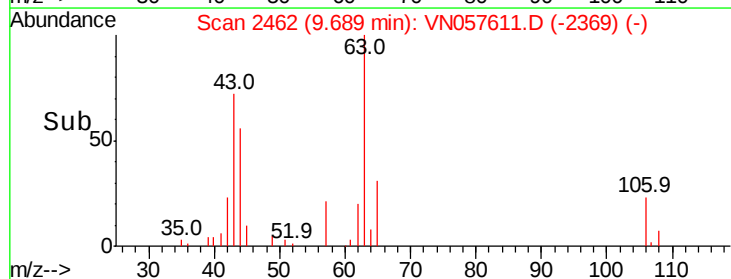
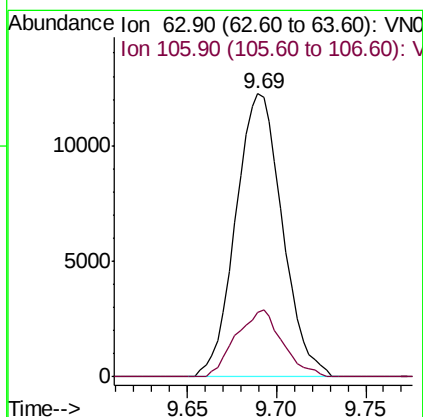
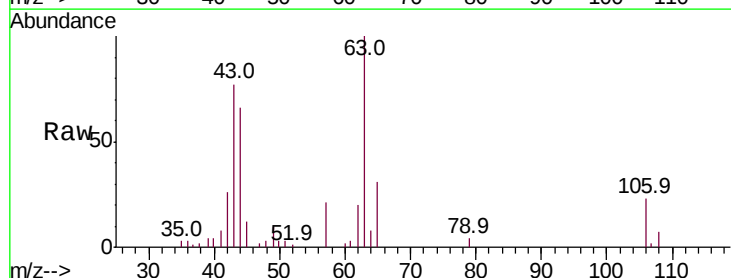
Acq: 31 Aug 2019 13:10

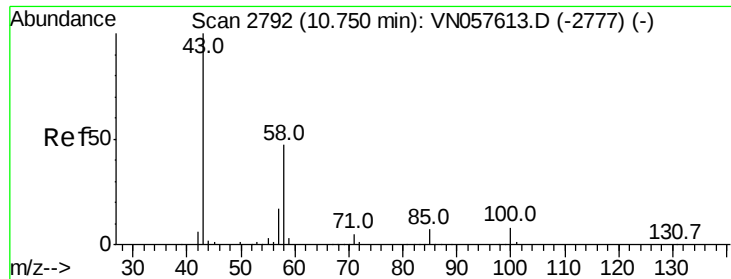
Tgt Ion: 63 Resp: 22379

Ion Ratio Lower Upper

63 100

106 23.5 18.3 27.5

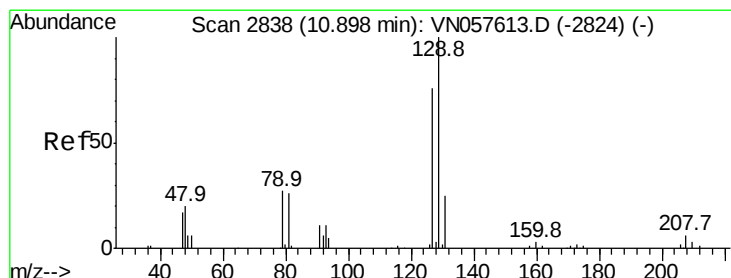
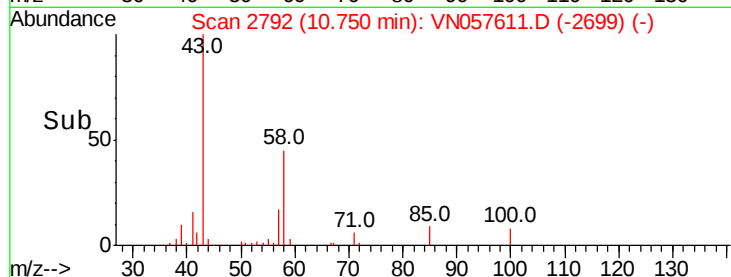
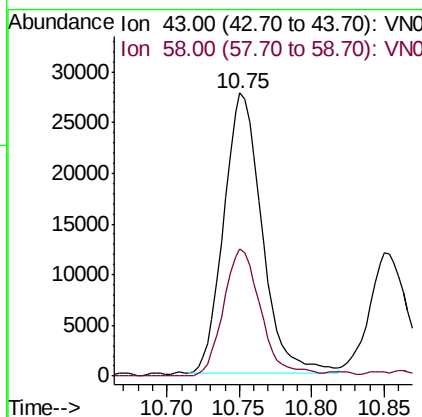
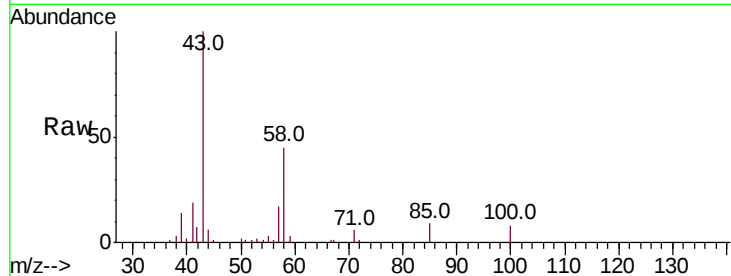




#59
2-Hexanone
Concen: 24.620 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

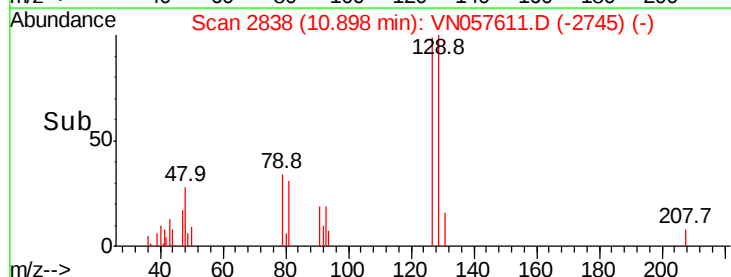
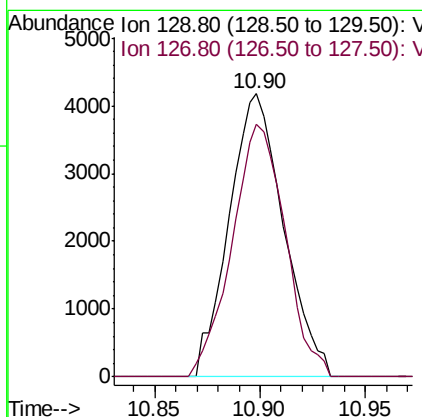
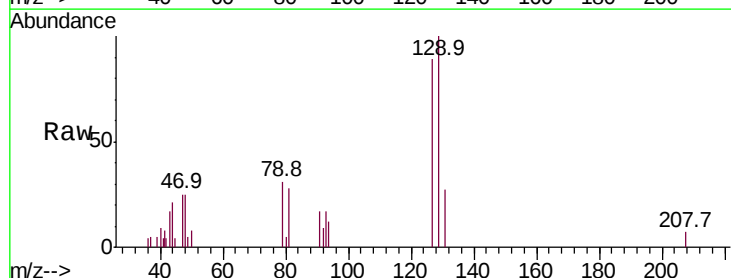
Instrument :
MSVOA_N
ClientSampled :

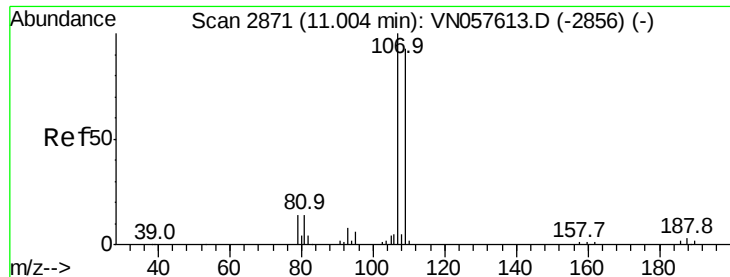
Tot Ion: 43 Resp: 50443
Ion Ratio Lower Upper
43 100
58 44.5 23.5 70.5



#60
Dibromochloromethane
Concen: 3.536 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 129 Resp: 7495
Ion Ratio Lower Upper
129 100
127 87.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 4.732 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

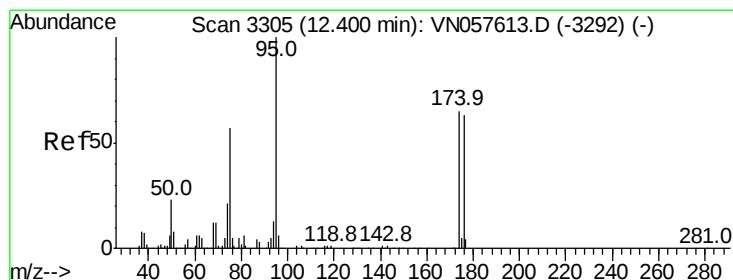
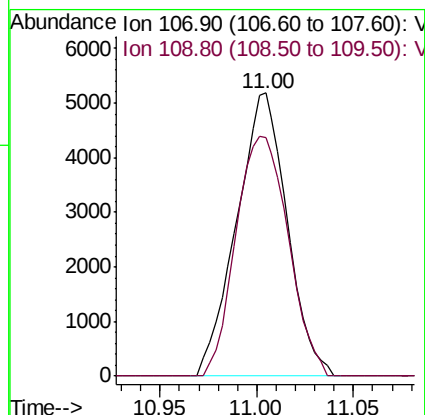
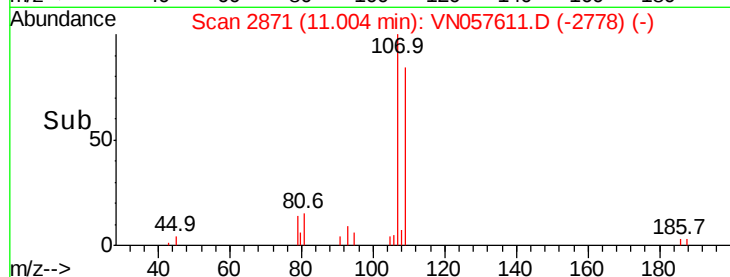
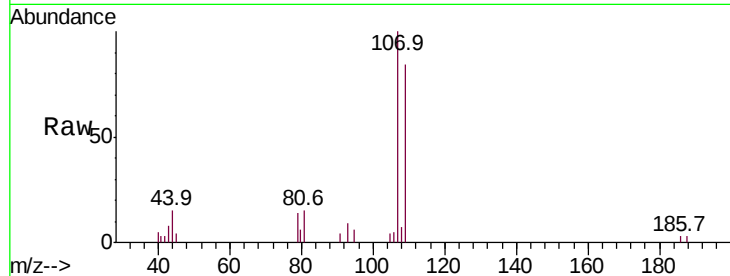
ClientSampleId :

Tot Ion:107 Resp: 9413

Ion Ratio Lower Upper

107 100

109 87.7 75.0 112.4



#62

4-Bromofluorobenzene

Concen: 6.719 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

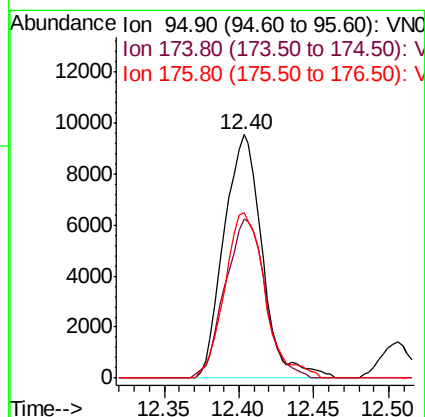
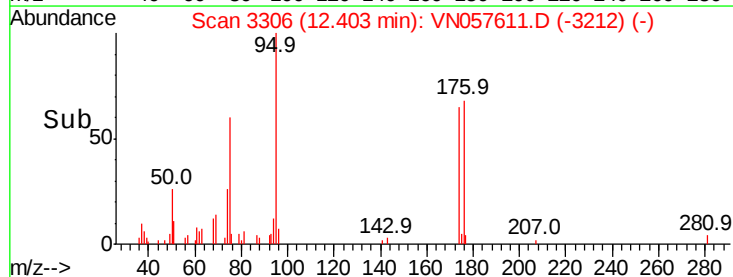
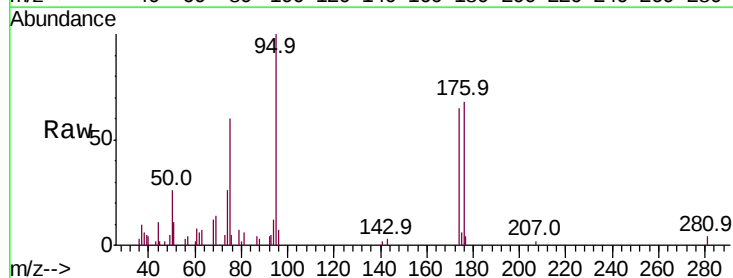
Tgt Ion: 95 Resp: 17030

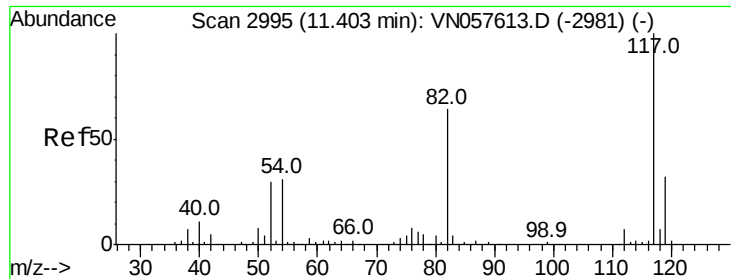
Ion Ratio Lower Upper

95 100

174 68.3 0.0 134.8

176 71.1 0.0 131.6

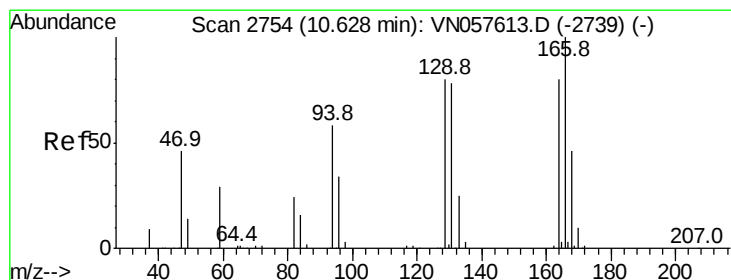
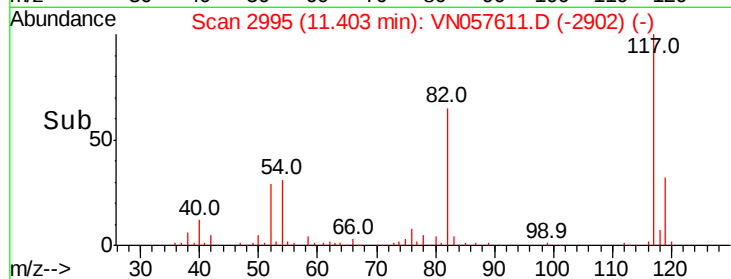
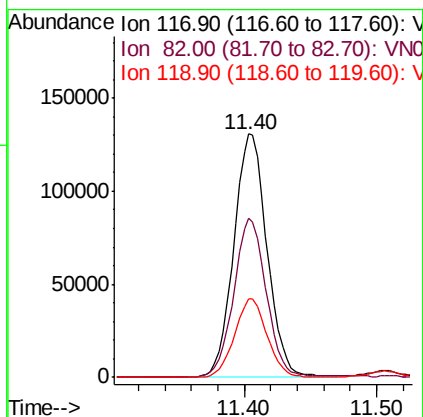
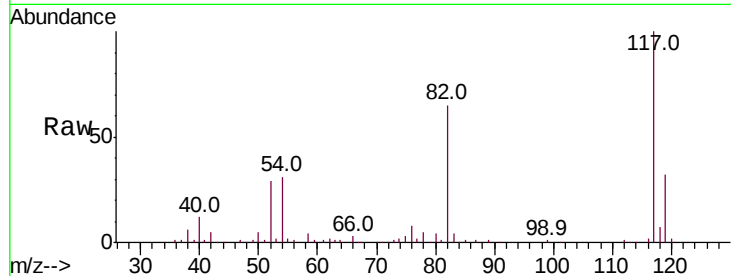




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

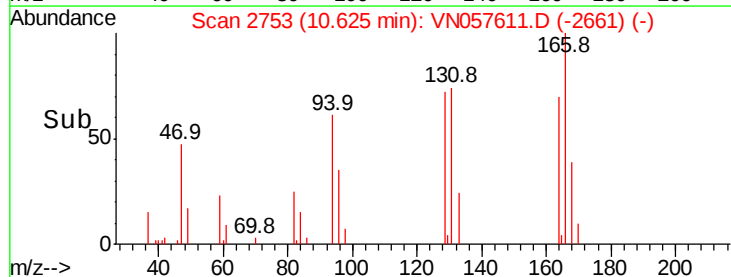
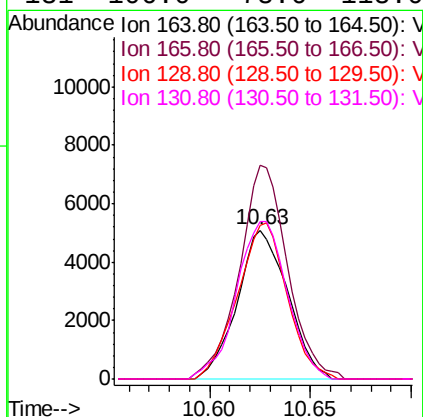
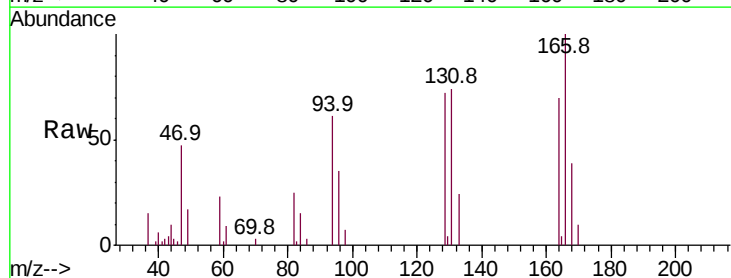
Instrument :
MSVOA_N
ClientSampleId :

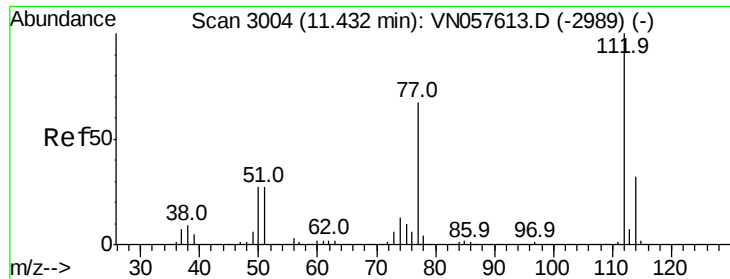
Tot Ion:117 Resp: 227360
Ion Ratio Lower Upper
117 100
82 65.4 51.6 77.4
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 5.291 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion:164 Resp: 8919
Ion Ratio Lower Upper
164 100
166 143.4 100.6 151.0
129 103.5 80.4 120.6
131 106.0 78.6 118.0

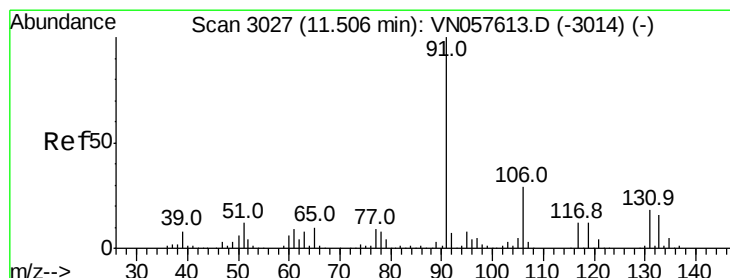
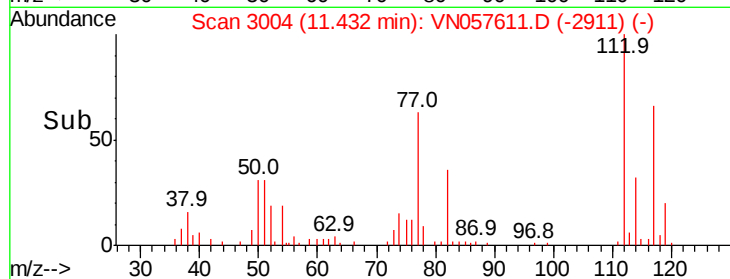
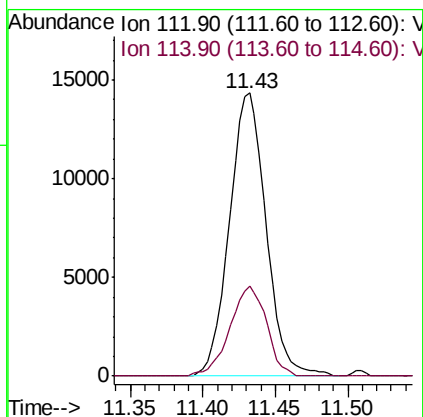
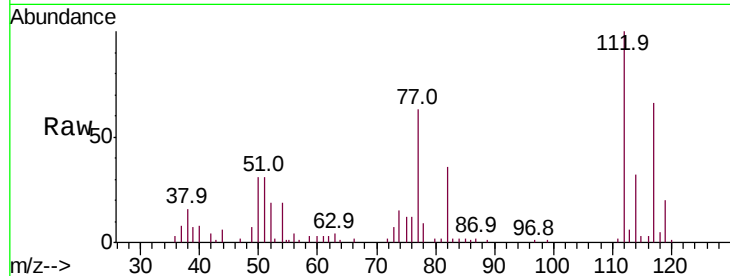




#65
Chlorobenzene
Concen: 5.165 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

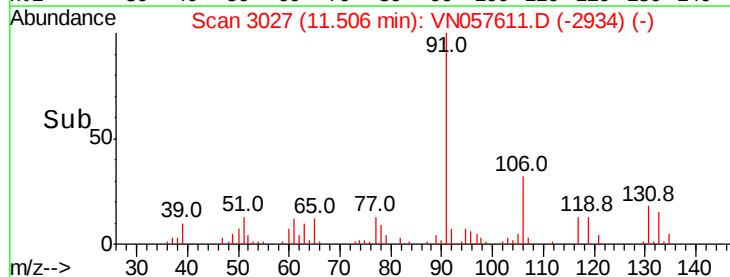
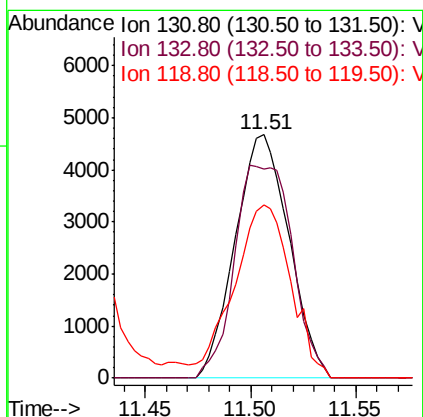
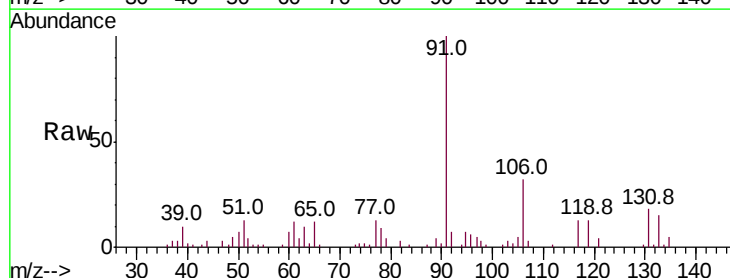
Instrument :
MSVOA_N
ClientSampleId :

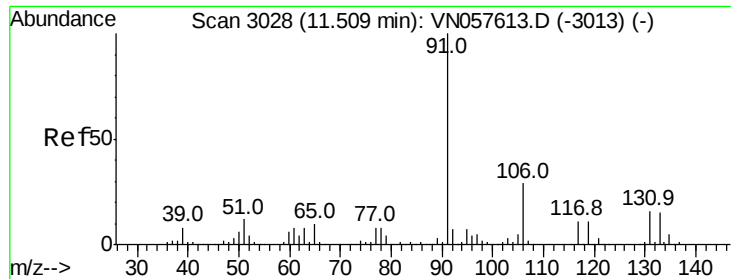
Tot Ion:112 Resp: 25100
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.531 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion:131 Resp: 8280
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.4
119 75.6 33.9 101.6

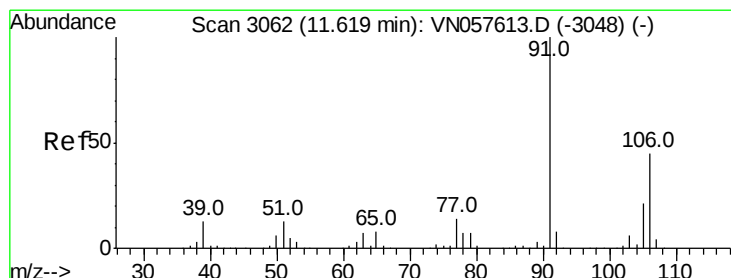
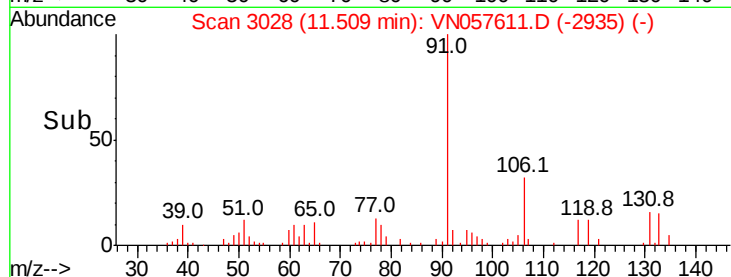
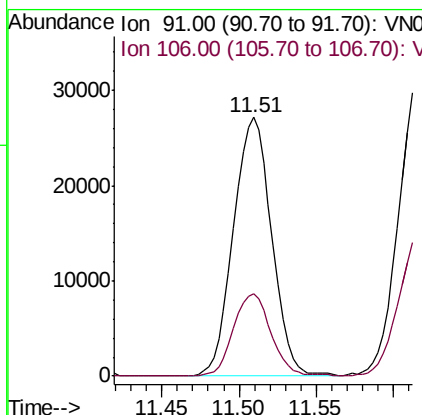
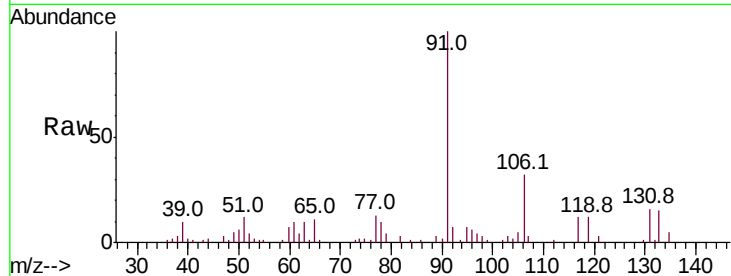




#67
Ethyl Benzene
Concen: 4.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

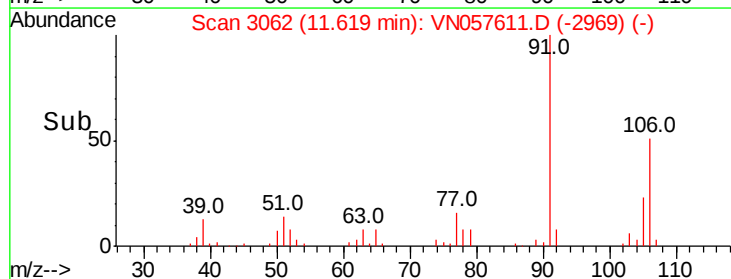
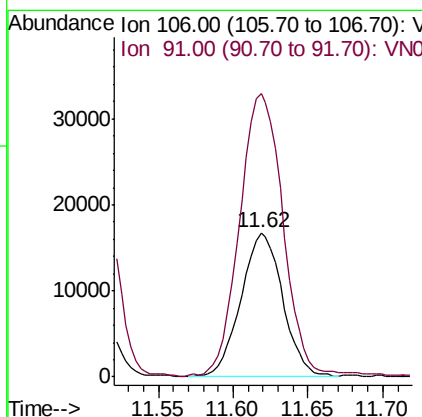
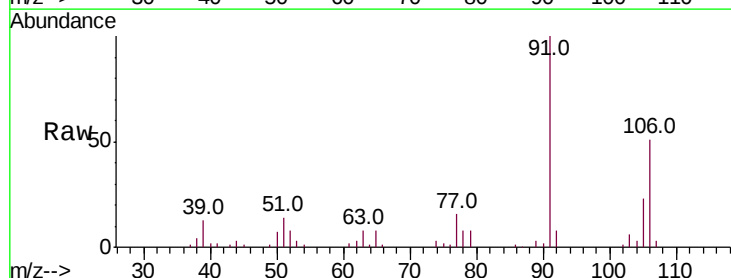
Instrument :
MSVOA_N
ClientSampled :

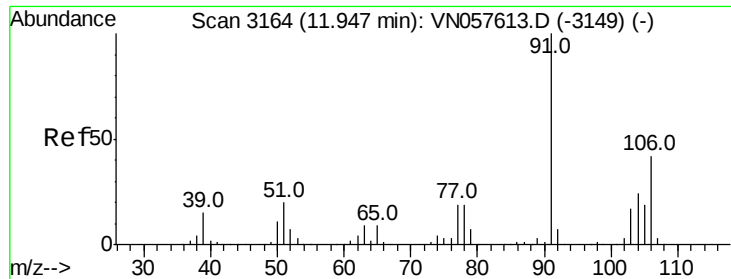
Tot Ion: 91 Resp: 46637
Ion Ratio Lower Upper
91 100
106 31.9 22.9 34.3



#68
m/p-Xylenes
Concen: 10.174 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 106 Resp: 32586
Ion Ratio Lower Upper
106 100
91 205.8 176.2 264.2

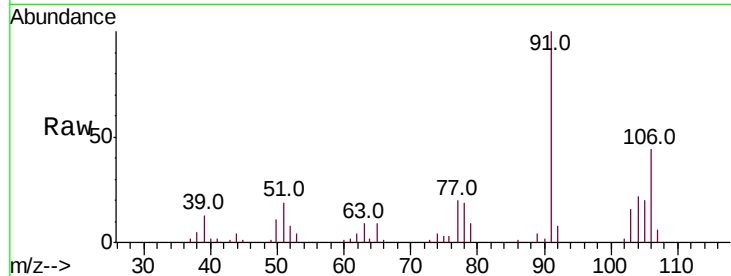




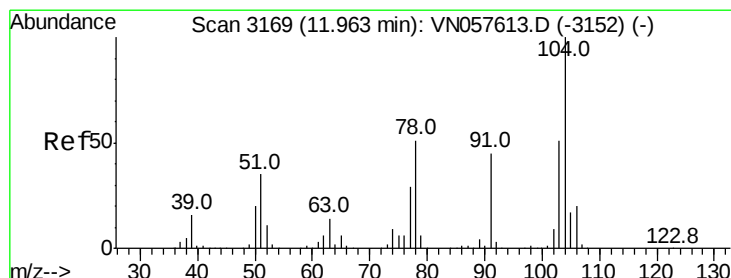
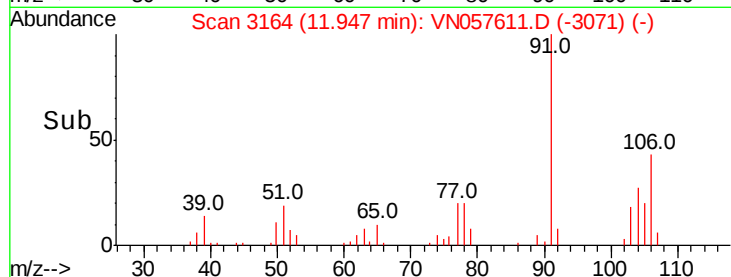
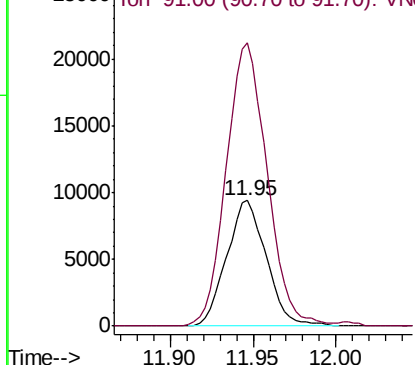
#69
o-Xylene
Concen: 4.963 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 15685
Ion Ratio Lower Upper
106 100
91 231.7 117.3 351.8

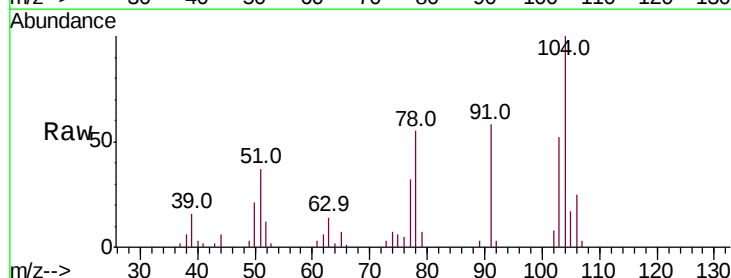


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

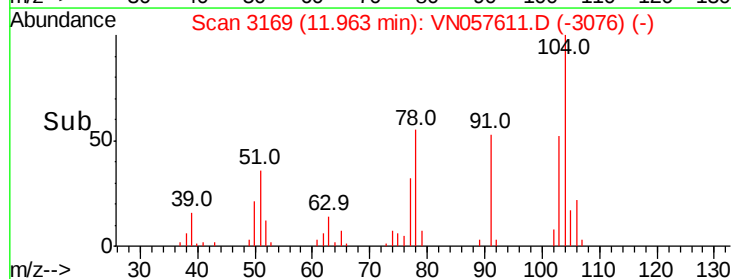
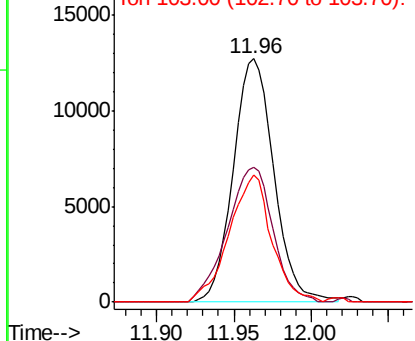


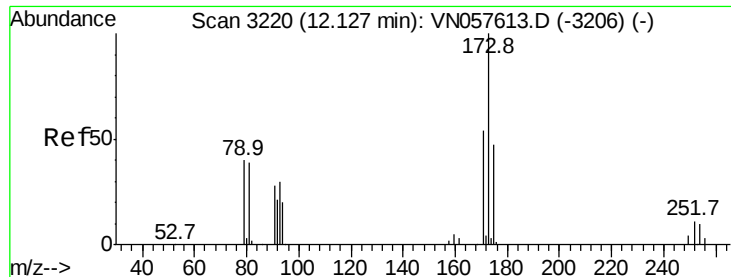
#70
Styrene
Concen: 4.627 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion:104 Resp: 23338
Ion Ratio Lower Upper
104 100
78 62.0 46.6 70.0
103 54.5 44.7 67.1



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: 3.286 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

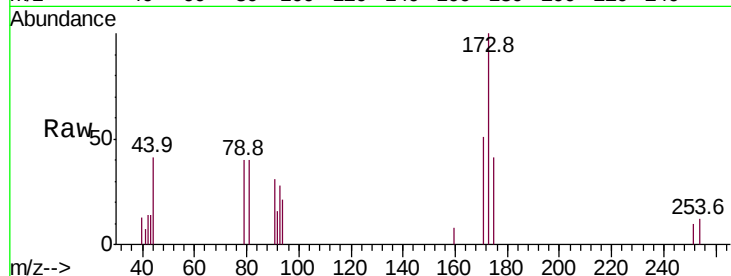
Tot Ion:173 Resp: 4014

Ion Ratio Lower Upper

173 100

175 22.9 24.4 73.4#

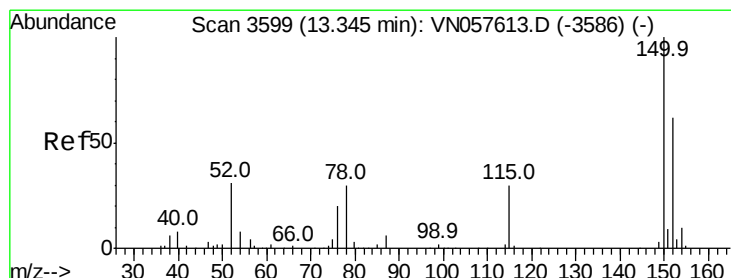
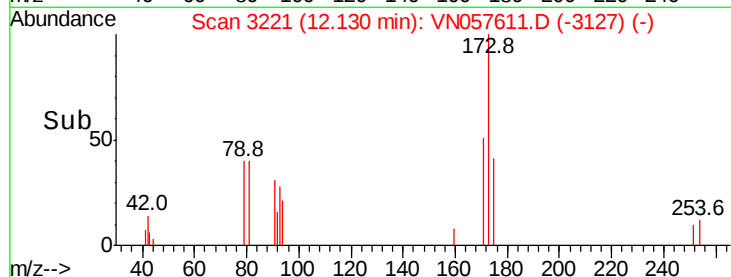
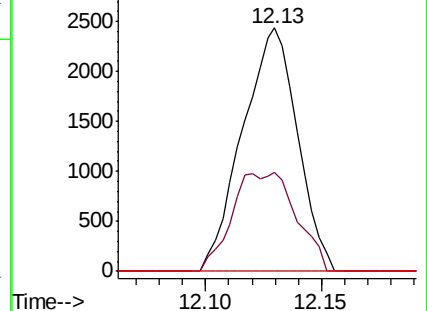
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

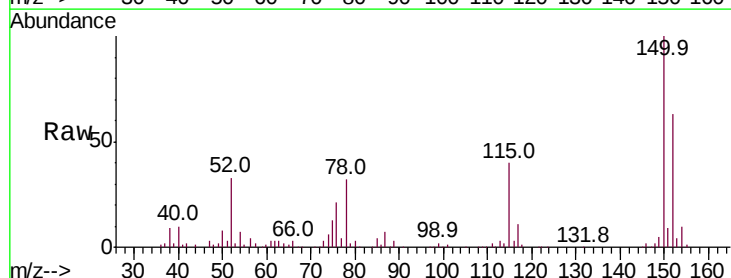
Tgt Ion:152 Resp: 81998

Ion Ratio Lower Upper

152 100

115 62.8 33.2 99.6

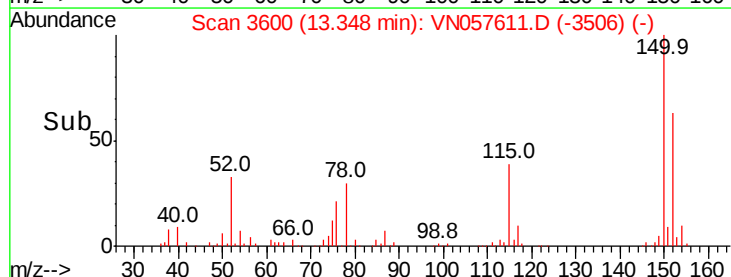
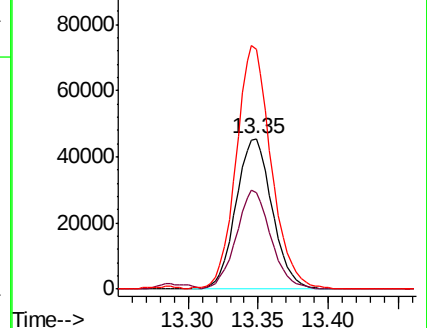
150 156.4 0.0 365.2

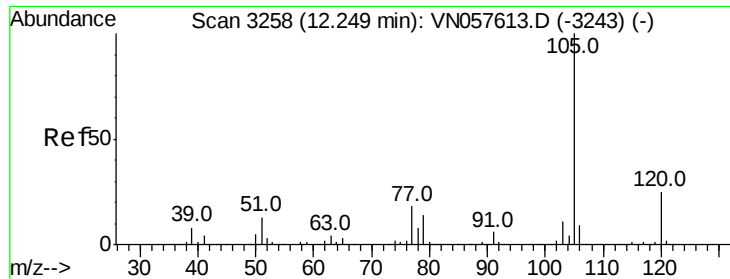


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.485 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

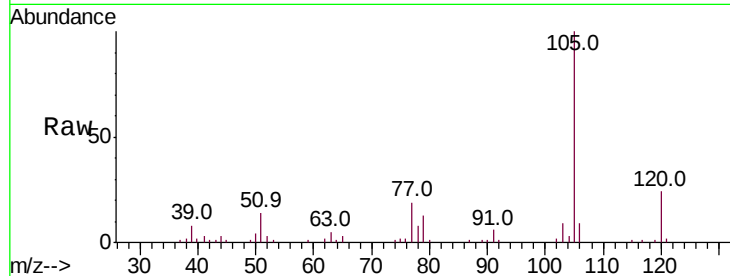
ClientSampleId :

Tot Ion:105 Resp: 42133

Ion Ratio Lower Upper

105 100

120 24.4 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

25000

20000

15000

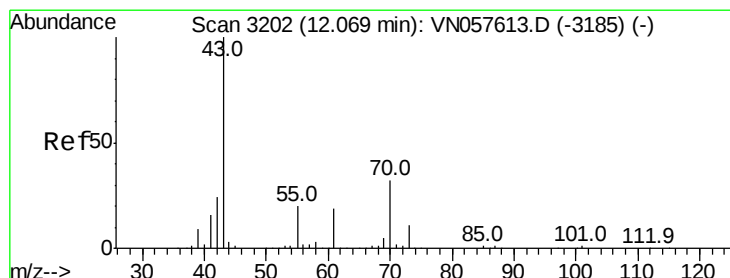
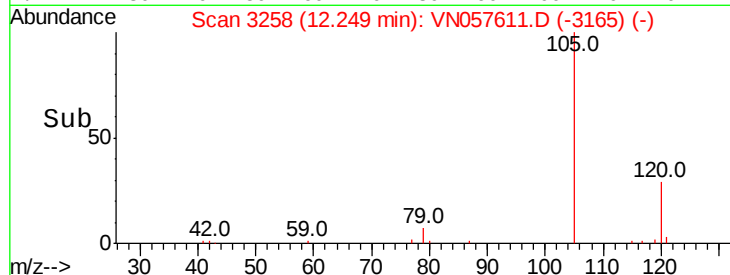
10000

5000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 4.287 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion: 43 Resp: 18492

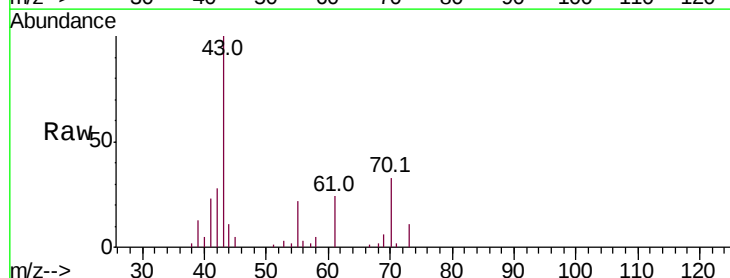
Ion Ratio Lower Upper

43 100

70 33.8 26.9 40.3

55 22.4 16.8 25.2

61 22.3 15.1 22.7



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

15000

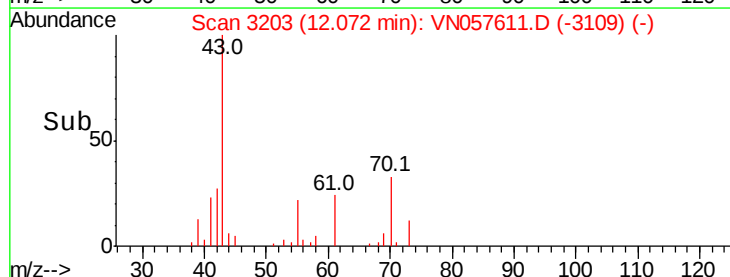
10000

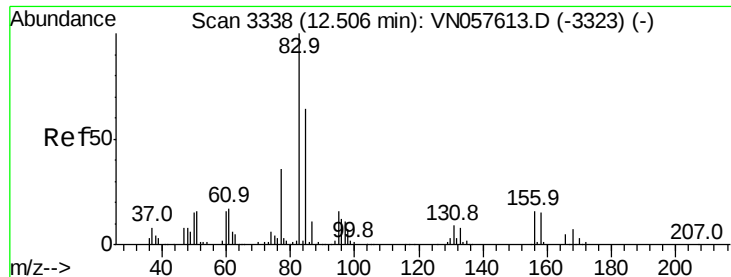
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 4.486 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

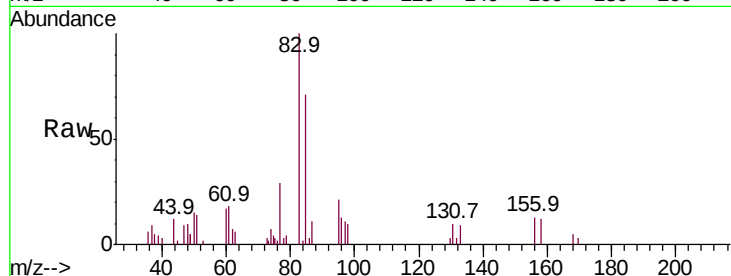
Tot Ion: 83 Resp: 12367

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

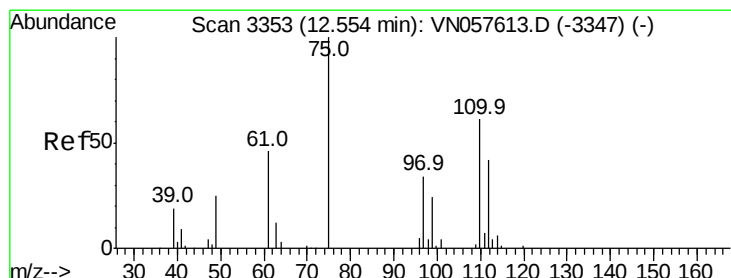
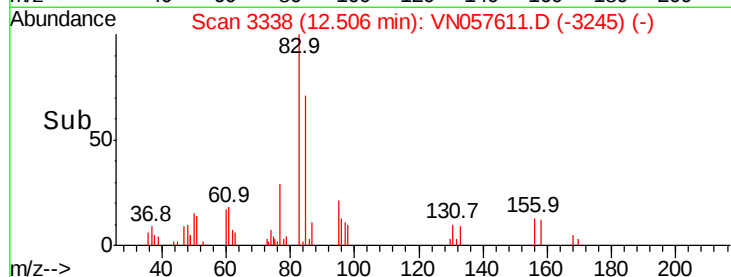
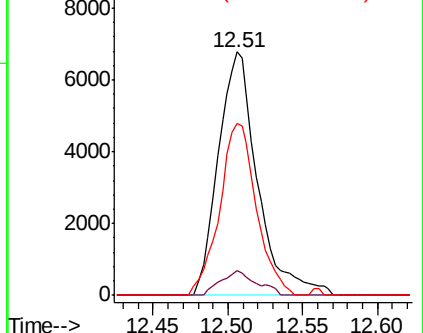
85 66.3 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VN057611.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN057611.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN057611.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 6.810 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057611.D

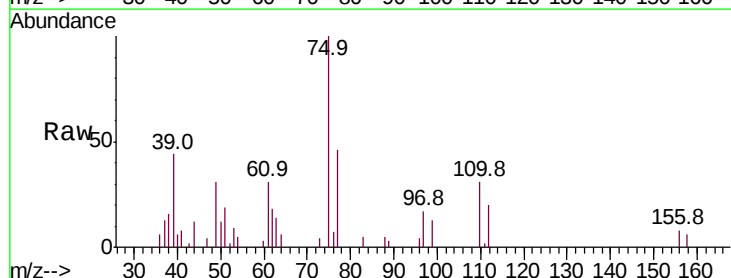
Acq: 31 Aug 2019 13:10

Tgt Ion: 75 Resp: 14668

Ion Ratio Lower Upper

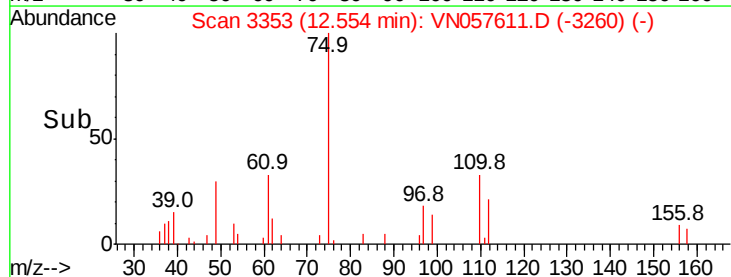
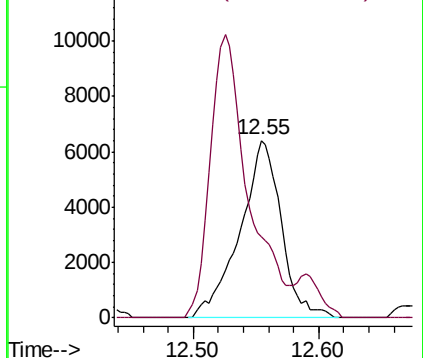
75 100

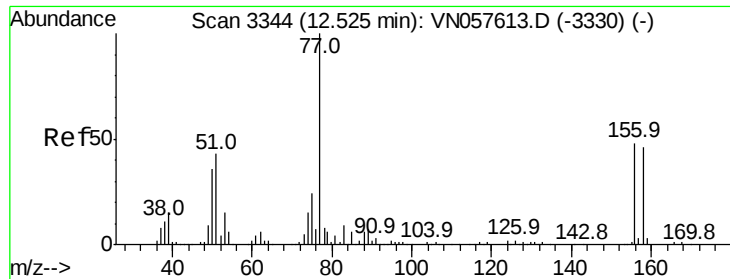
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057611.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057611.D (-3347) (-)





#77

Bromobenzene

Concen: 4.444 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

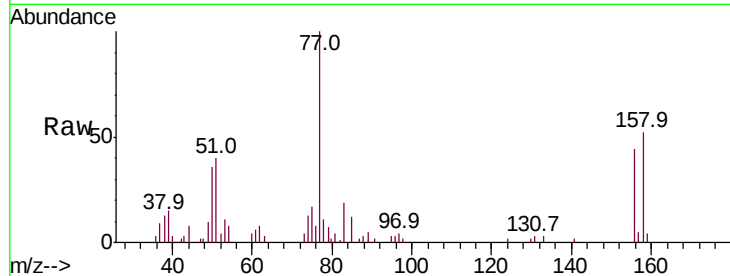
Tot Ion:156 Resp: 8355

Ion Ratio Lower Upper

156 100

77 260.5 123.5 370.5

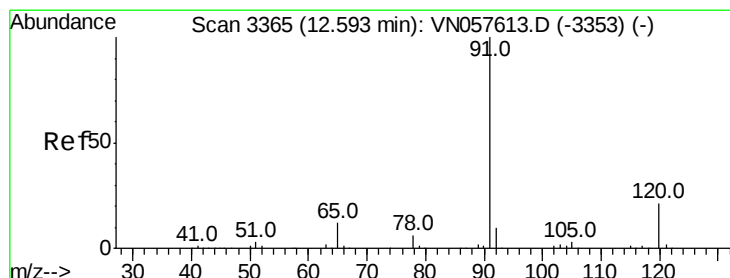
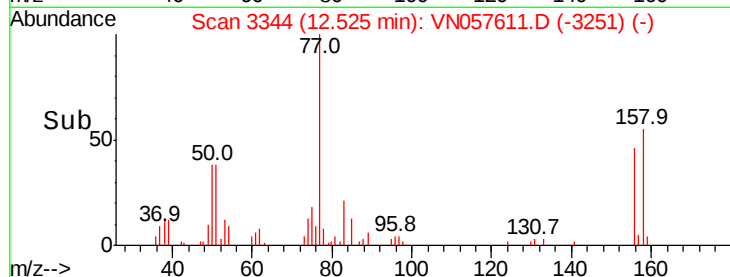
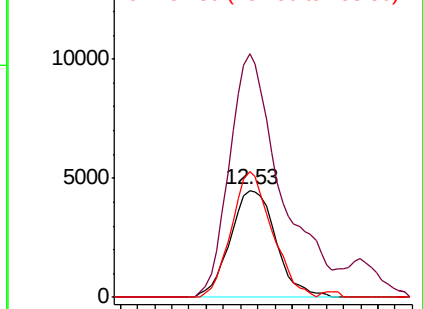
158 104.7 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.563 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057611.D

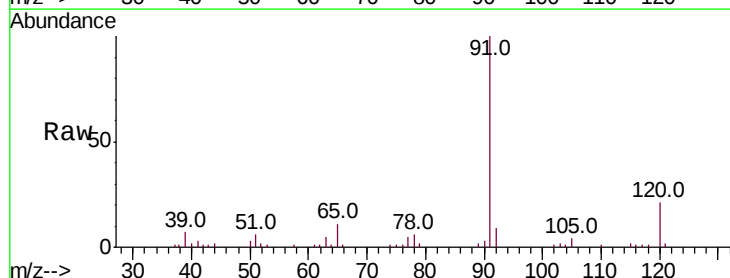
Acq: 31 Aug 2019 13:10

Tgt Ion: 91 Resp: 45591

Ion Ratio Lower Upper

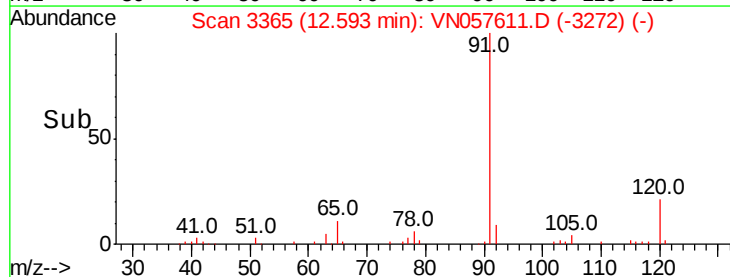
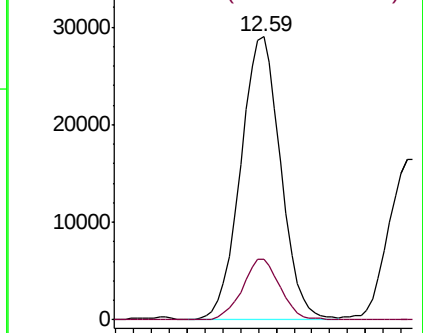
91 100

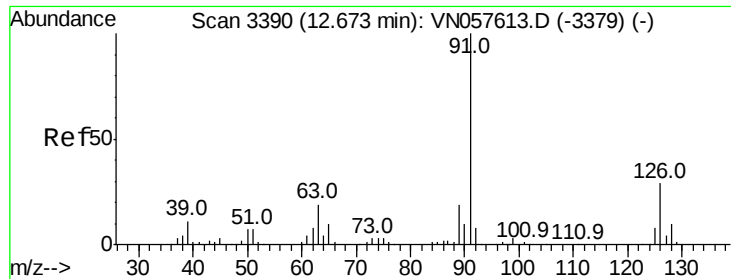
120 20.0 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

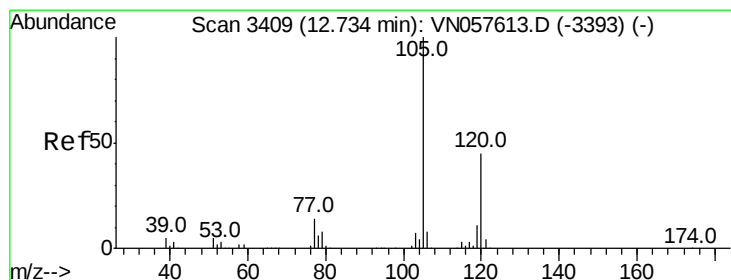
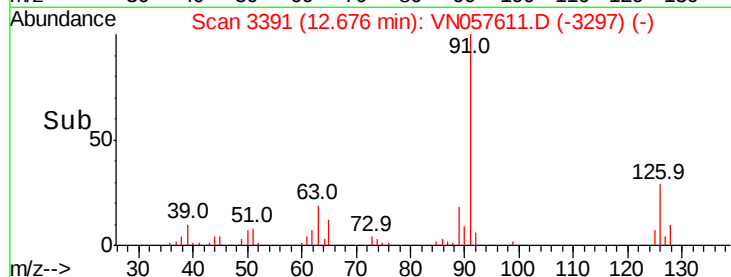
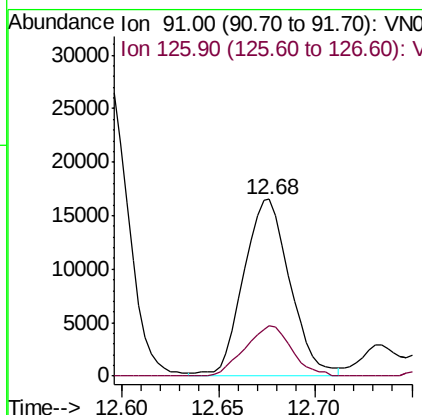
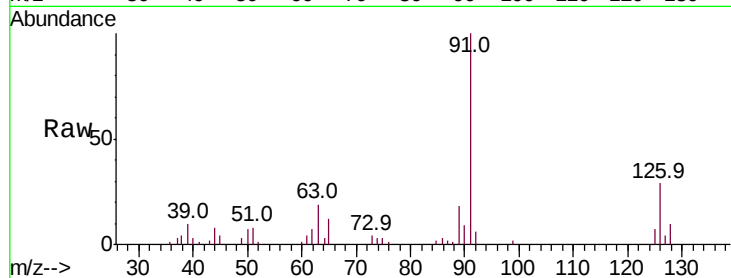




#79
 2-Chlorotoluene
 Concen: 4.628 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

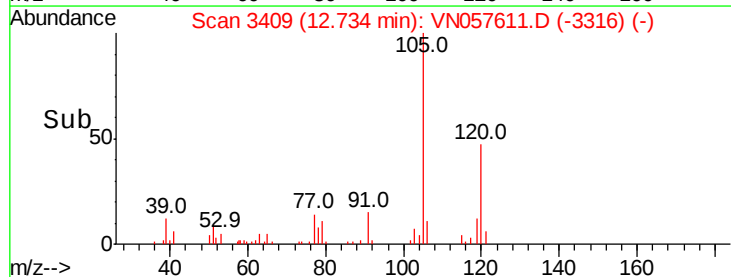
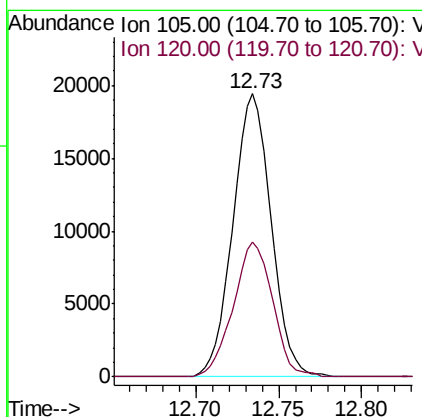
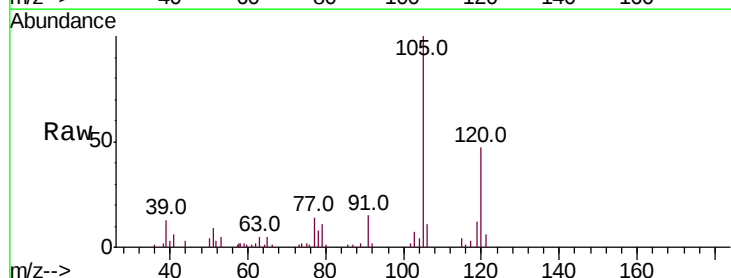
Instrument :
 MSVOA_N
 ClientSampled :

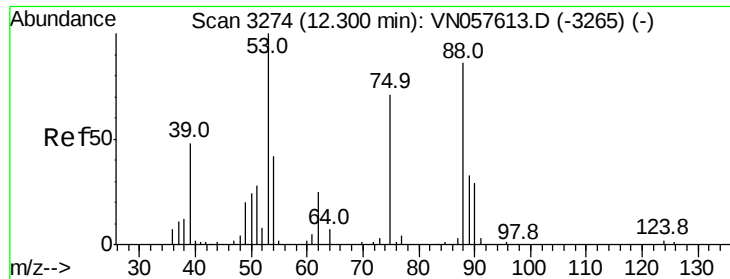
Tot Ion: 91 Resp: 27720
 Ion Ratio Lower Upper
 91 100
 126 28.4 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 4.198 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion:105 Resp: 31167
 Ion Ratio Lower Upper
 105 100
 120 49.3 22.6 67.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.012 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

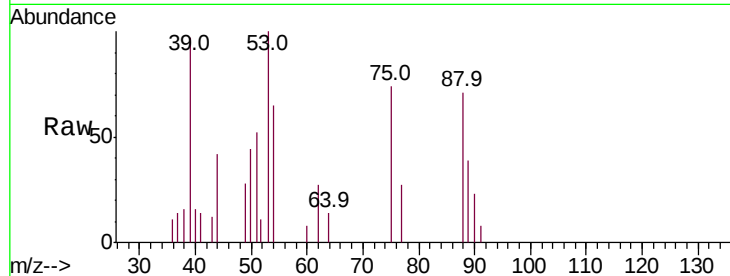
Tot Ion: 75 Resp: 2411

Ion Ratio Lower Upper

75 100

53 159.4 111.0 166.6

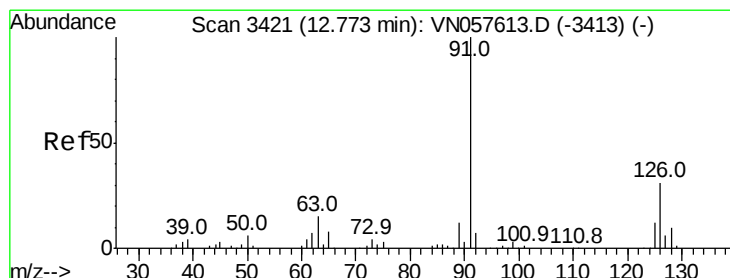
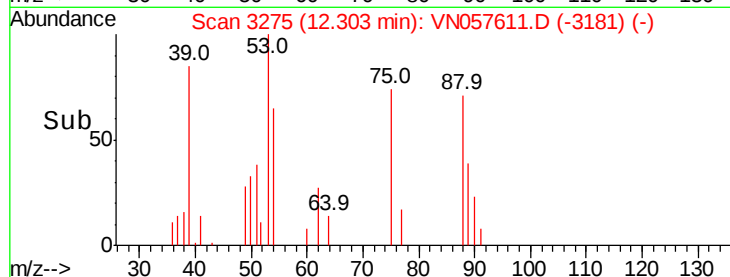
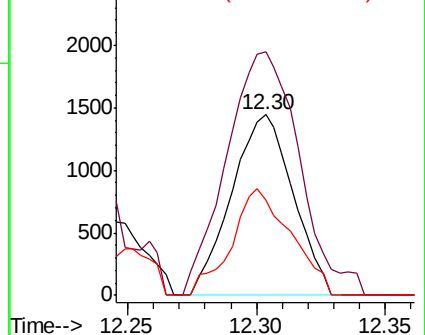
89 56.9 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 4.908 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057611.D

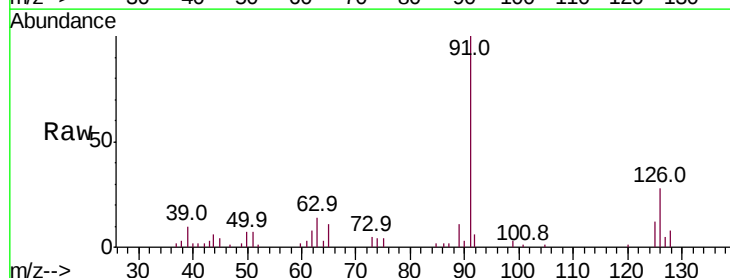
Acq: 31 Aug 2019 13:10

Tgt Ion: 91 Resp: 28049

Ion Ratio Lower Upper

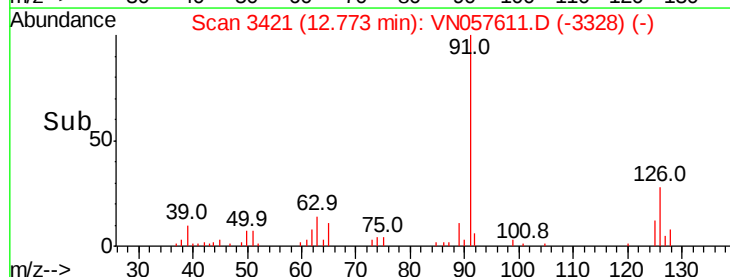
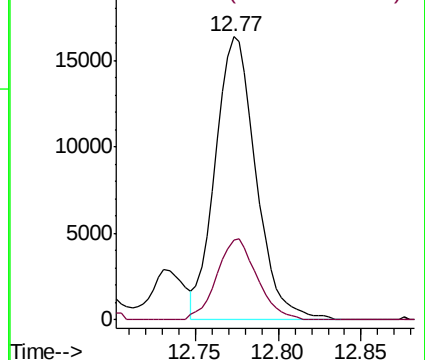
91 100

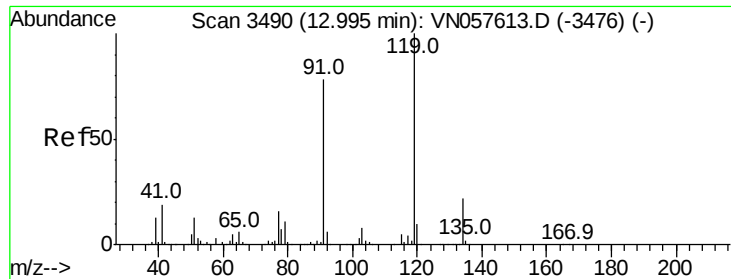
126 28.2 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 4.322 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

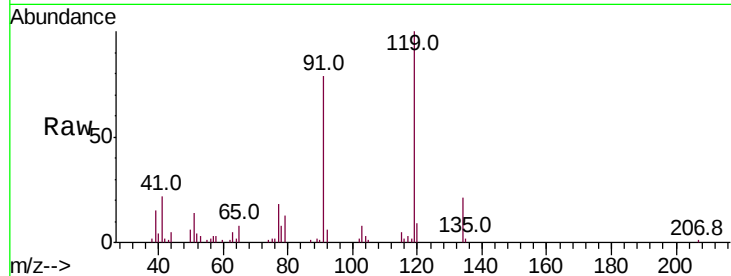
Tot Ion:119 Resp: 28471

Ion Ratio Lower Upper

119 100

91 75.1 38.3 114.9

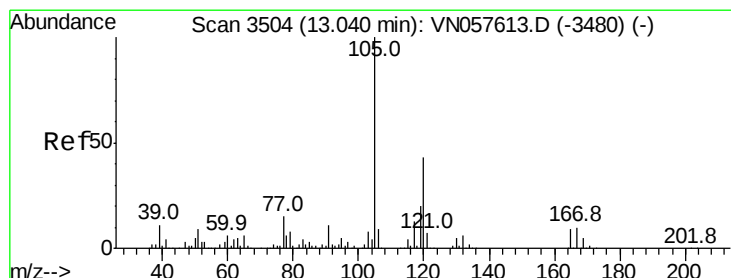
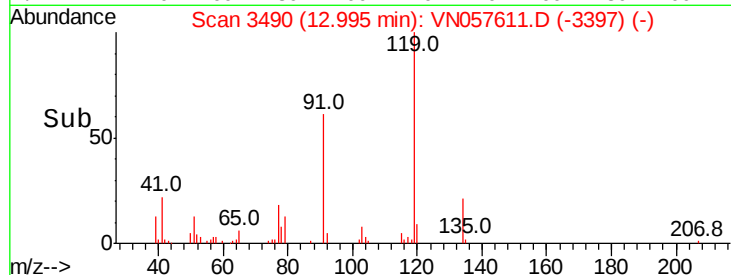
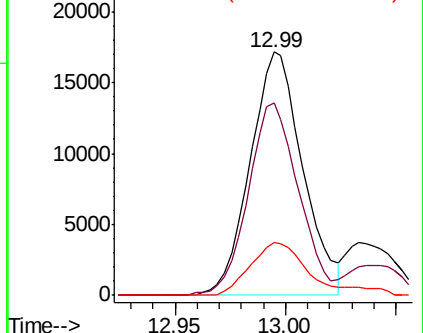
134 24.7 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.573 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057611.D

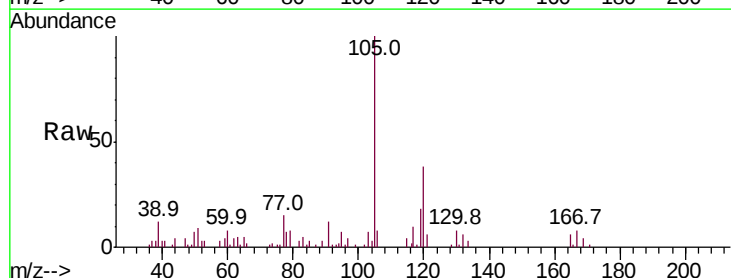
Acq: 31 Aug 2019 13:10

Tgt Ion:105 Resp: 30091

Ion Ratio Lower Upper

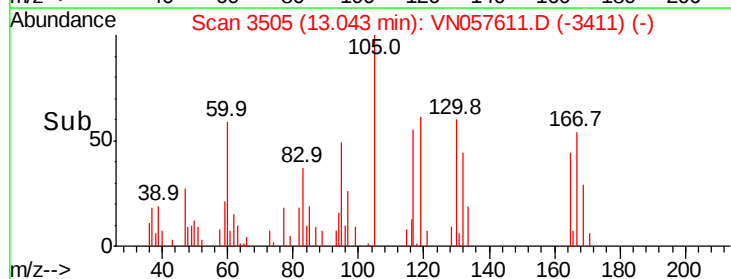
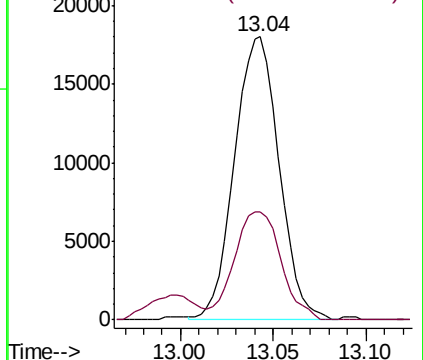
105 100

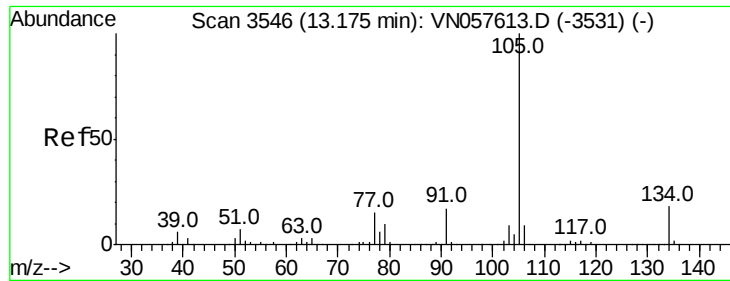
120 40.1 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.698 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

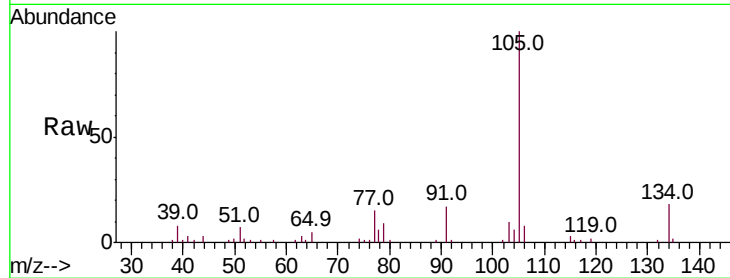
ClientSampled :

Tot Ion:105 Resp: 38033

Ion Ratio Lower Upper

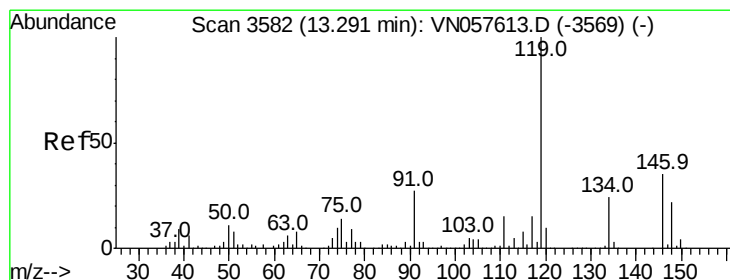
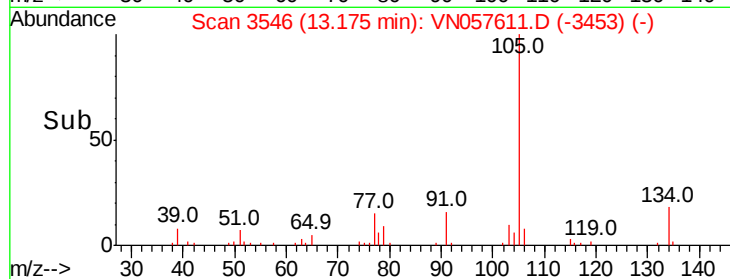
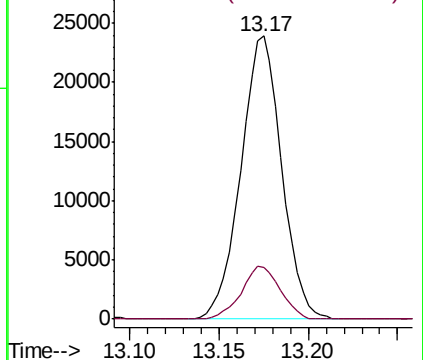
105 100

134 17.8 8.9 26.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.549 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

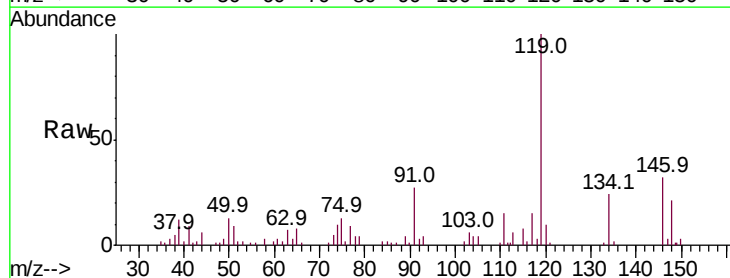
Tgt Ion:119 Resp: 30006

Ion Ratio Lower Upper

119 100

134 23.7 11.9 35.5

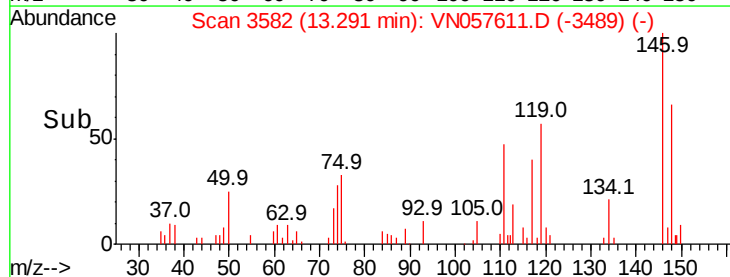
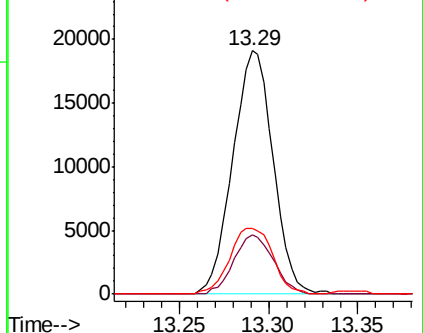
91 28.9 13.7 41.0

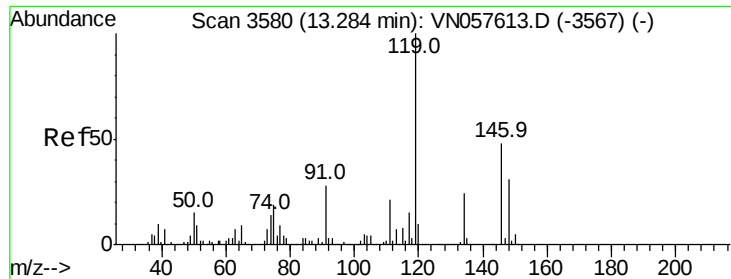


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

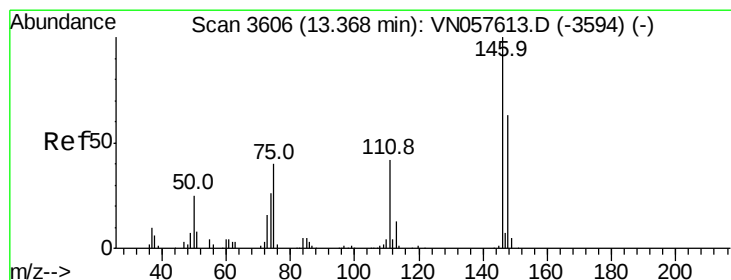
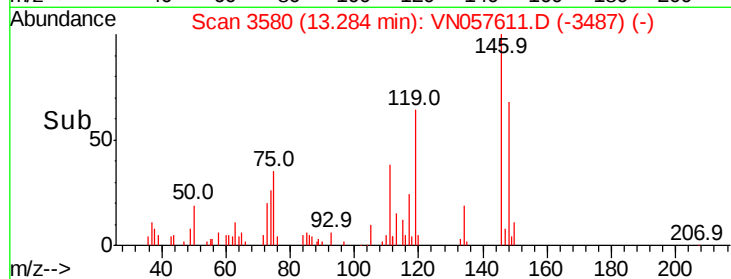
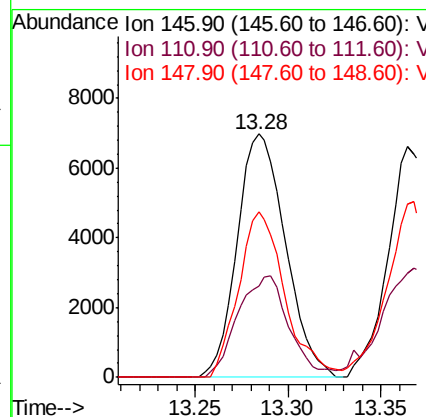
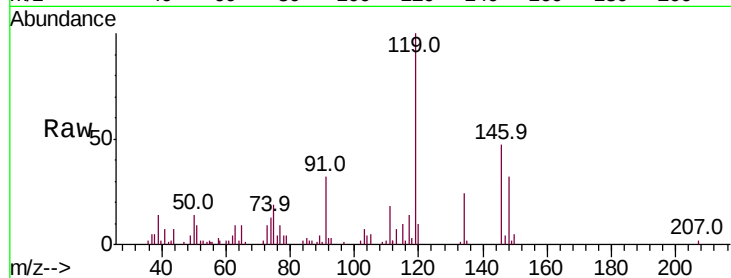




#87
 1,3-Dichlorobenzene
 Concen: 4.601 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

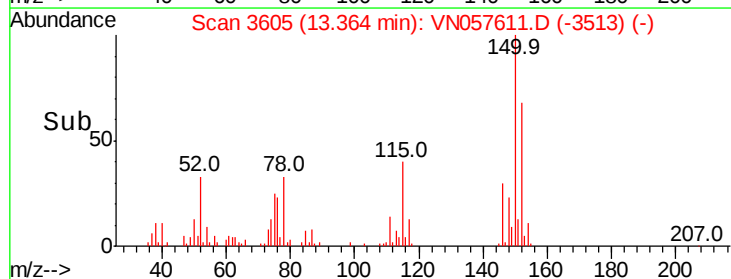
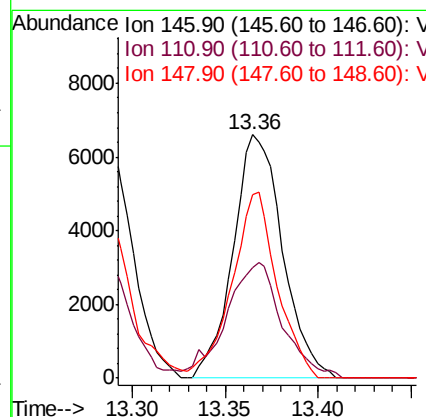
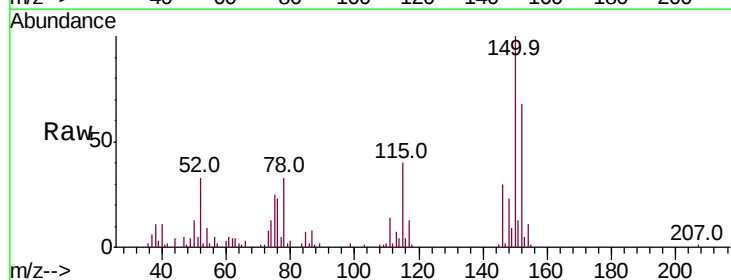
Instrument :
 MSVOA_N
 ClientSampled :

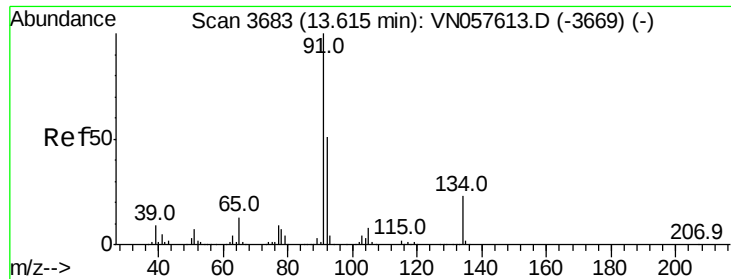
Tot Ion:146 Resp: 12632
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.8 65.3
 148 65.3 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 4.579 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion:146 Resp: 12226
 Ion Ratio Lower Upper
 146 100
 111 53.8 21.6 65.0
 148 69.7 32.2 96.6

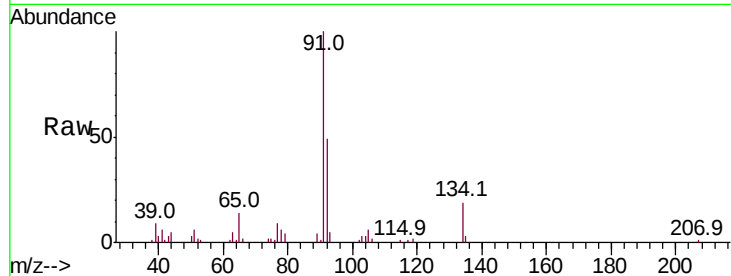




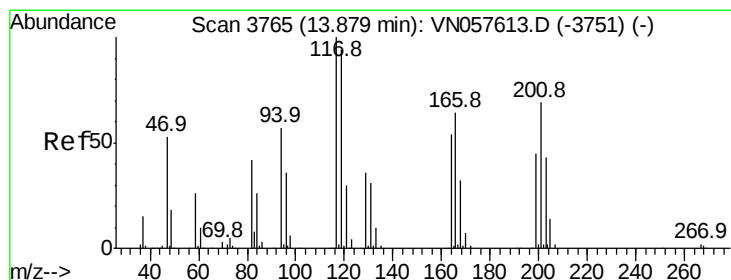
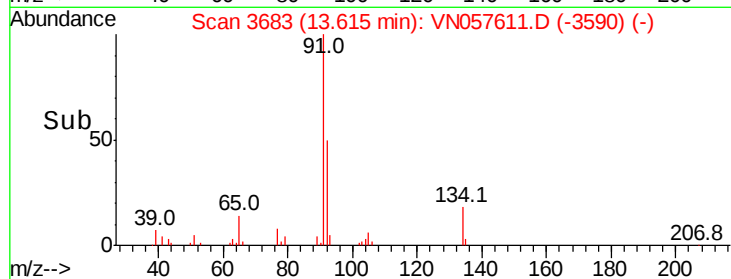
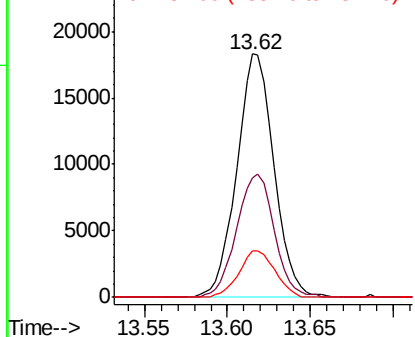
#89
n-Butylbenzene
Concen: 5.098 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 28573
Ion Ratio Lower Upper
91 100
92 51.1 25.4 76.0
134 18.5 11.0 33.0

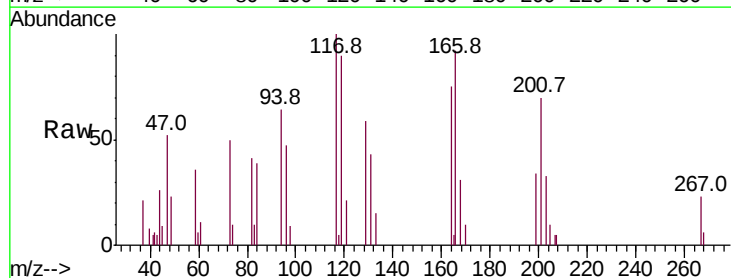


Abundance Ion 91.00 (90.70 to 91.70): VN057611.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN057611.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN057611.D (-3669) (-)

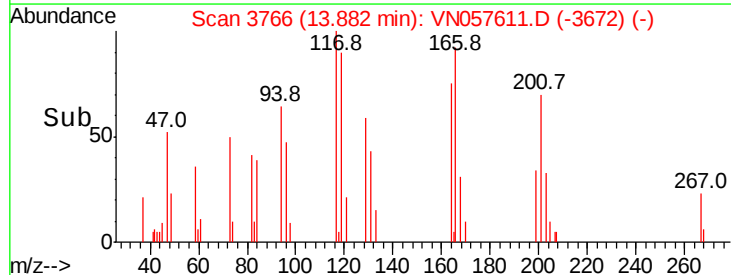
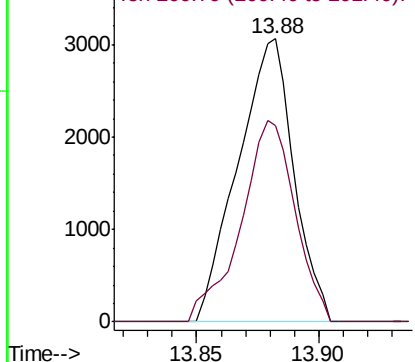


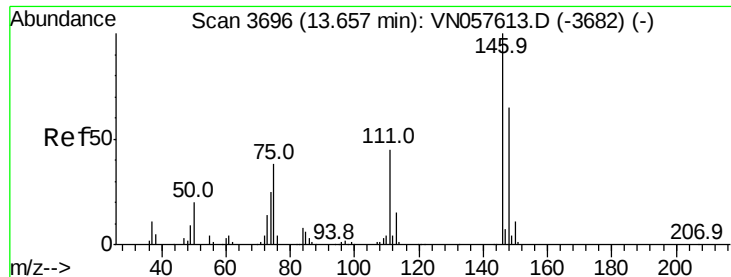
#90
Hexachloroethane
Concen: 3.288 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 117 Resp: 4863
Ion Ratio Lower Upper
117 100
201 68.8 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): VN057611.D (-3751) (-)
Ion 200.70 (200.40 to 201.40): VN057611.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 4.113 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

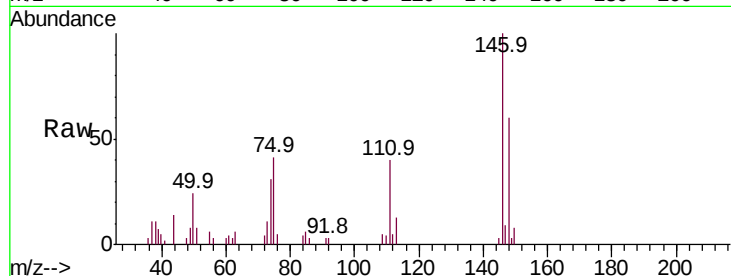
Tot Ion:146 Resp: 10793

Ion Ratio Lower Upper

146 100

111 48.7 22.1 66.5

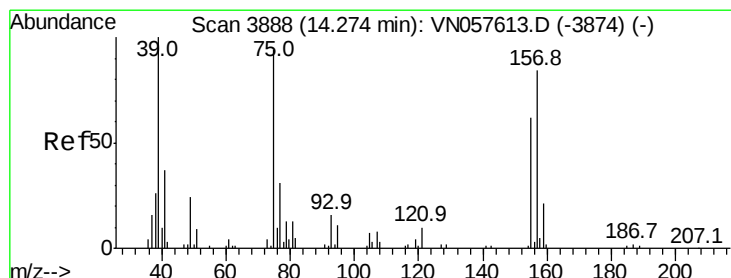
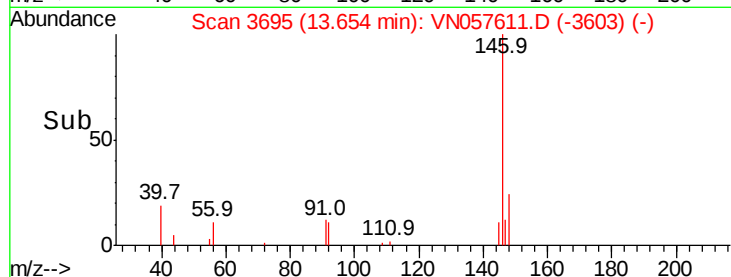
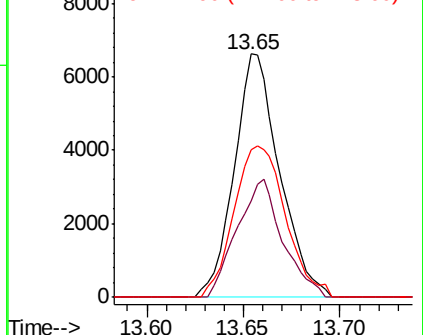
148 70.5 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.249 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

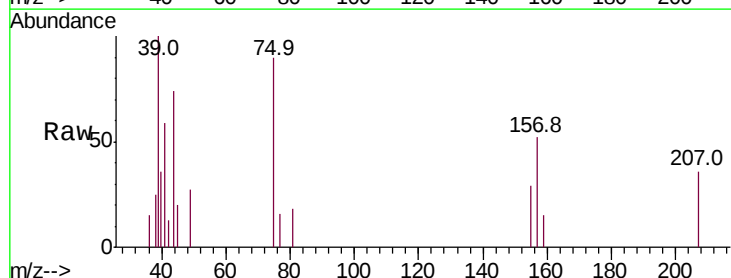
Tgt Ion: 75 Resp: 1430

Ion Ratio Lower Upper

75 100

155 42.0 30.1 90.5

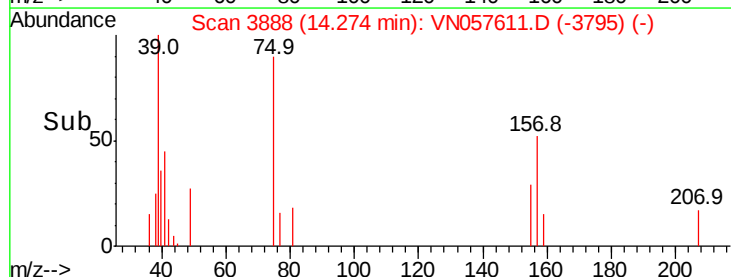
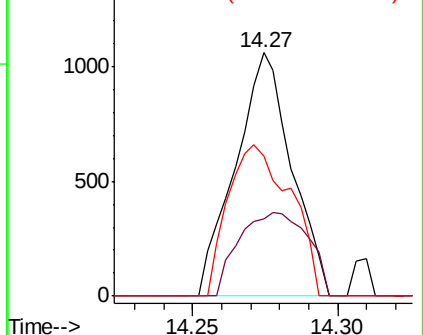
157 69.1 41.4 124.4

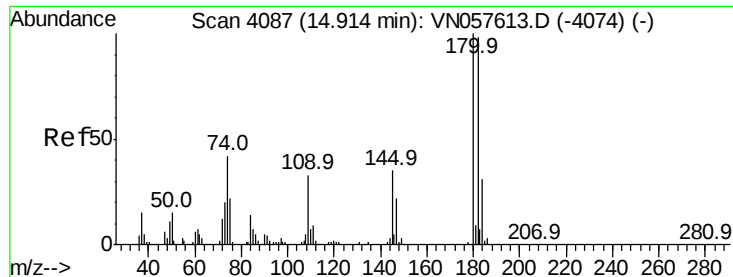


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

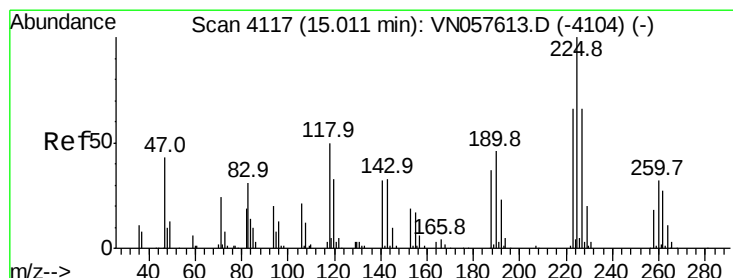
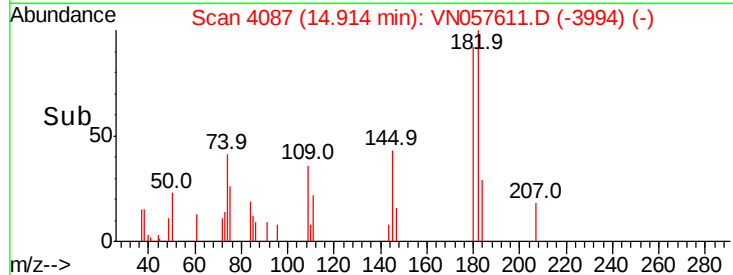
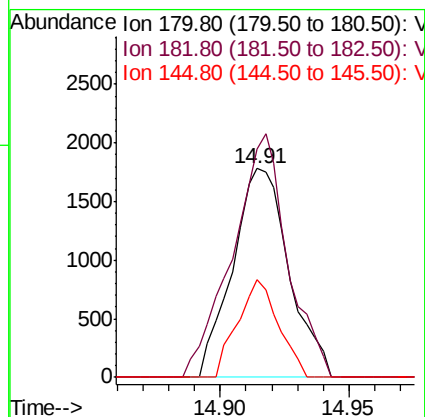
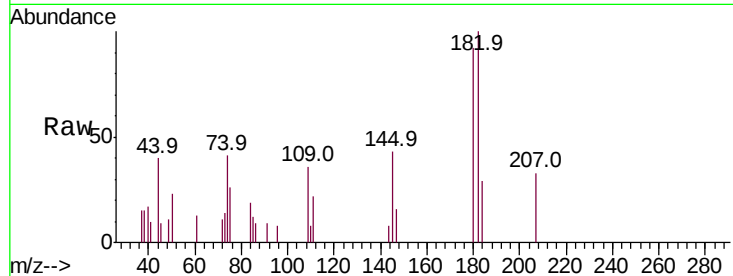




#93
 1,2,4-Trichlorobenzene
 Concen: 2.828 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

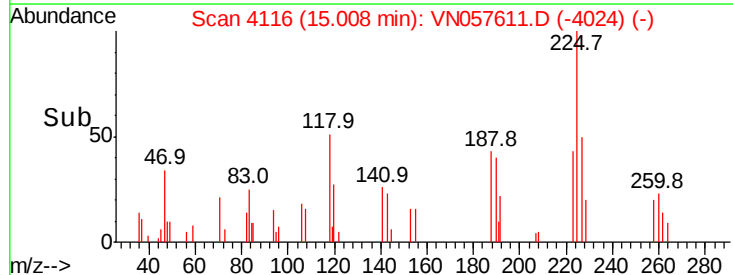
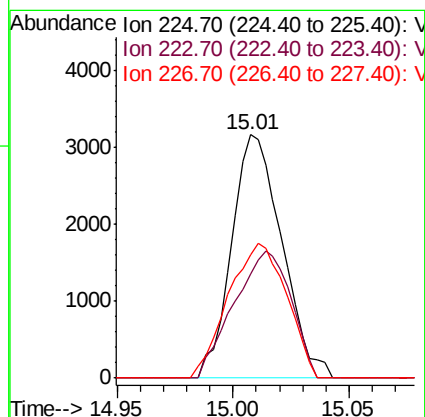
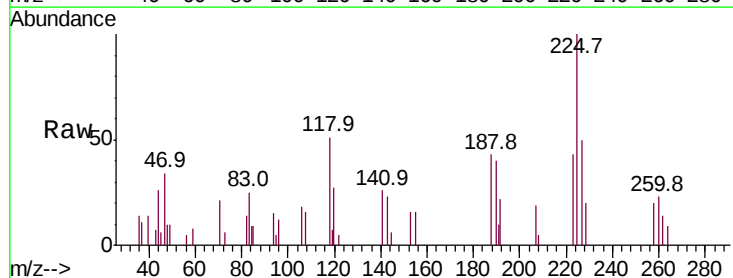
Instrument :
 MSVOA_N
 ClientSampled :

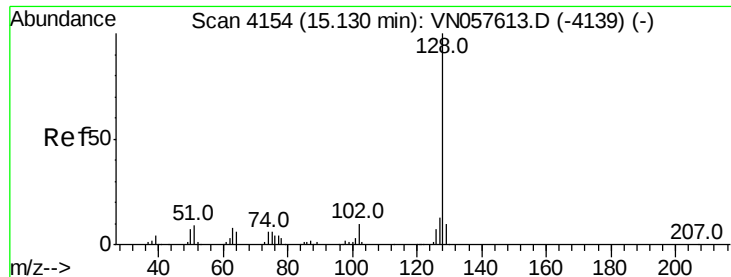
Tot Ion:180 Resp: 2715
 Ion Ratio Lower Upper
 180 100
 182 114.0 47.8 143.3
 145 34.0 16.9 50.7



#94
 Hexachlorobutadiene
 Concen: 5.691 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion:225 Resp: 4743
 Ion Ratio Lower Upper
 225 100
 223 59.5 32.3 96.8
 227 64.5 32.4 97.2





#95

Naphthalene

Concen: 2.698 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

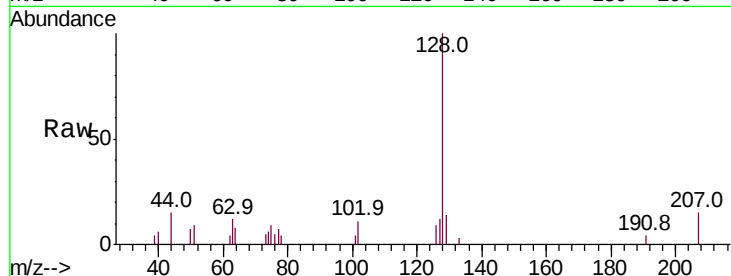
Tot Ion:128 Resp: 8490

Ion Ratio Lower Upper

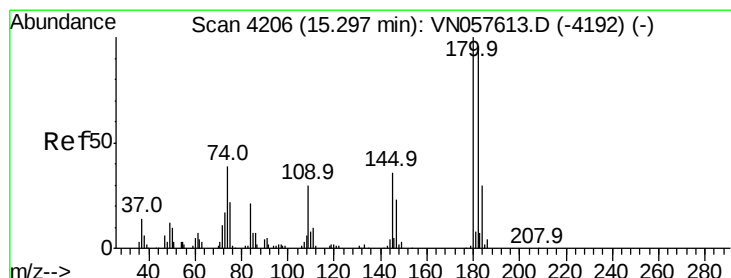
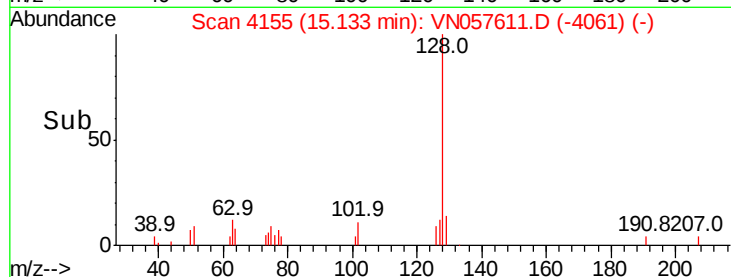
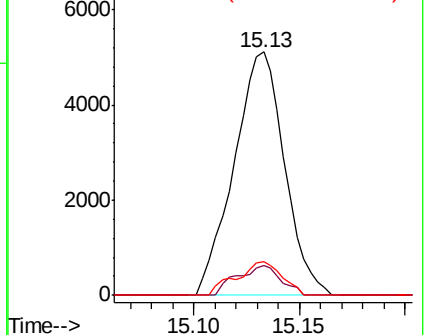
128 100

127 10.7 10.2 15.2

129 12.5 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: 2.738 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

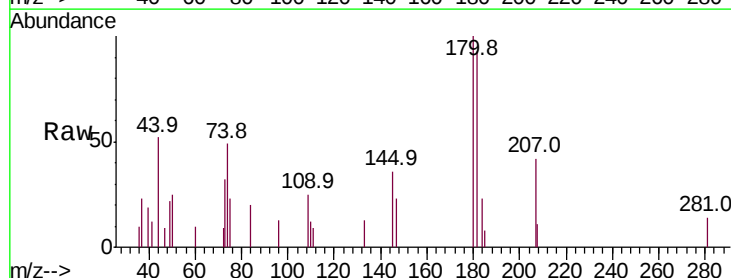
Tgt Ion:180 Resp: 2759

Ion Ratio Lower Upper

180 100

182 97.8 46.3 138.9

145 31.1 17.8 53.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

