

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056799.D
 Acq On : 17 Jul 2019 16:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 18 09:10:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	317481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	484795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	172560	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.59	113	152869	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.09	98	583653	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	201359	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	131743	44.192	ug/l	99
3) Chloromethane	2.06	50	174678	43.582	ug/l	99
4) Vinyl Chloride	2.18	62	174097	45.107	ug/l	99
5) Bromomethane	2.55	94	96703	42.606	ug/l	99
6) Chloroethane	2.69	64	100126	44.518	ug/l	96
7) Trichlorofluoromethane	3.01	101	230814	46.606	ug/l	100
8) Diethyl Ether	3.41	74	94470	48.927	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141267	47.478	ug/l	100
10) Methyl Iodide	3.95	142	166465	41.828	ug/l	98
11) Tert butyl alcohol	4.79	59	150633	257.697	ug/l	99
12) 1,1-Dichloroethene	3.73	96	137950	46.222	ug/l	99
13) Acrolein	3.61	56	38705	196.262	ug/l	99
14) Allyl chloride	4.32	41	247515	47.956	ug/l	99
15) Acrylonitrile	4.99	53	431993	255.912	ug/l	100
16) Acetone	3.82	43	369454	228.296	ug/l	98
17) Carbon Disulfide	4.05	76	347828	44.103	ug/l	99
18) Methyl Acetate	4.33	43	181384	49.903	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	461276	48.508	ug/l	98
20) Methylene Chloride	4.55	84	167559	47.379	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	151094	47.894	ug/l	97
22) Diisopropyl ether	5.95	45	504137	49.485	ug/l	97
23) Vinyl Acetate	5.90	43	2140069	259.227	ug/l	100
24) 1,1-Dichloroethane	5.85	63	286817	48.559	ug/l	99
25) 2-Butanone	6.84	43	586083	247.712	ug/l	100
26) 2,2-Dichloropropane	6.83	77	207764	48.784	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	179702	49.503	ug/l	100
28) Bromochloromethane	7.20	49	139635	50.280	ug/l	100
29) Tetrahydrofuran	7.21	42	391866	253.937	ug/l	99
30) Chloroform	7.37	83	283398	47.947	ug/l	99
31) Cyclohexane	7.65	56	264527	47.119	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	231225	49.466	ug/l	100
36) 1,1-Dichloropropene	7.79	75	211423	47.128	ug/l	99
37) Ethyl Acetate	6.93	43	232386	52.558	ug/l	99
38) Carbon Tetrachloride	7.78	117	200821	47.734	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	264828	47.809	ug/l	99
40) Benzene	8.04	78	659423	47.973	ug/l	99
41) Methacrylonitrile	7.17	41	103549	53.316	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	210899	48.547	ug/l	100
43) Isopropyl Acetate	8.17	43	354389	50.984	ug/l	100
44) Trichloroethene	8.83	130	177819	47.638	ug/l	100
45) 1,2-Dichloropropane	9.12	63	178712	48.929	ug/l	100
46) Dibromomethane	9.21	93	112660	49.774	ug/l	99
47) Bromodichloromethane	9.40	83	214790	49.938	ug/l	98
48) Methyl methacrylate	9.20	41	171859	51.125	ug/l	99
49) 1,4-Dioxane	9.20	88	73415	1064.358	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1149448	255.318	ug/l	100
52) Toluene	10.16	92	408460	50.036	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232429	51.796	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	264621	50.817	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	166503	48.629	ug/l	99
56) Ethyl methacrylate	10.43	69	261522	53.084	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279209	49.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	603353	254.682	ug/l	99
59) 2-Hexanone	10.75	43	845659	261.785	ug/l	100
60) Dibromochloromethane	10.90	129	172160	51.126	ug/l	98
61) 1,2-Dibromoethane	11.01	107	174243	51.207	ug/l	99
64) Tetrachloroethene	10.63	164	171790	45.325	ug/l	98
65) Chlorobenzene	11.43	112	435768	48.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162501	49.131	ug/l	99
67) Ethyl Benzene	11.51	91	771740	48.884	ug/l	99
68) m/p-Xylenes	11.62	106	585157	99.179	ug/l	99
69) o-Xylene	11.95	106	283304	48.842	ug/l	100
70) Styrene	11.96	104	484203	51.634	ug/l	100
71) Bromoform	12.13	173	130080	51.689	ug/l #	99
73) Isopropylbenzene	12.25	105	754275	46.045	ug/l	100
74) N-amyl acetate	12.07	43	293314	48.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	242474	51.162	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	302103	67.988	ug/l #	100
77) Bromobenzene	12.53	156	198648	46.363	ug/l	98
78) n-propylbenzene	12.59	91	838400	46.101	ug/l	100
79) 2-Chlorotoluene	12.67	91	504790	50.238	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	637200	45.896	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	72494	50.385	ug/l	99
82) 4-Chlorotoluene	12.77	91	493605	46.250	ug/l	99
83) tert-Butylbenzene	12.99	119	541172	50.003	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	639705	47.164	ug/l	100
85) sec-Butylbenzene	13.17	105	712233	46.167	ug/l	99
86) p-Isopropyltoluene	13.29	119	652300	46.674	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	324931	46.275	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	319091	46.718	ug/l	100
89) n-Butylbenzene	13.61	91	539574	47.931	ug/l	100
90) Hexachloroethane	13.87	117	106649	47.189	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	331283	46.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43455	49.471	ug/l	98

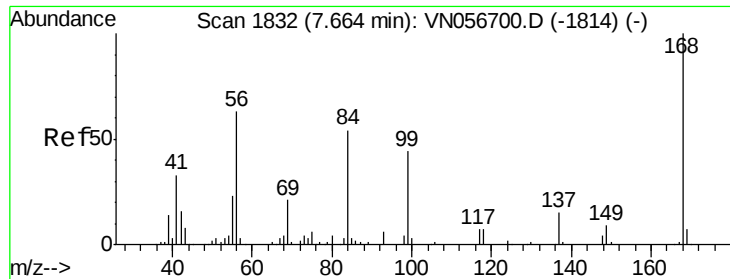
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171991	43.841	ug/l	100
94) Hexachlorobutadiene	15.01	225	113705	50.405	ug/l	98
95) Naphthalene	15.13	128	455894	42.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	173671	44.481	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

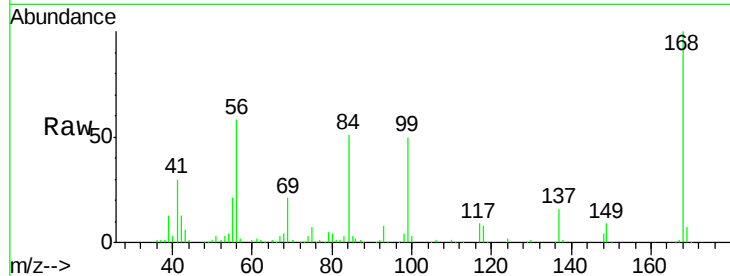
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 317481

Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056799.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056799.D (-1739) (-)

7.67

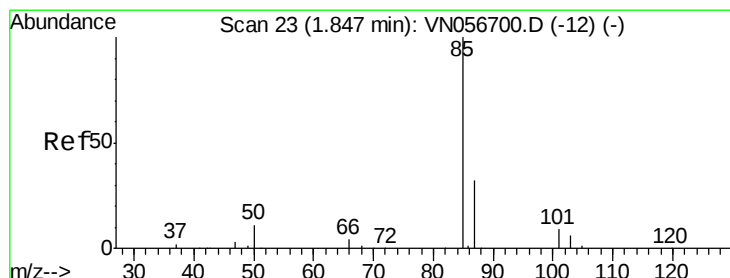
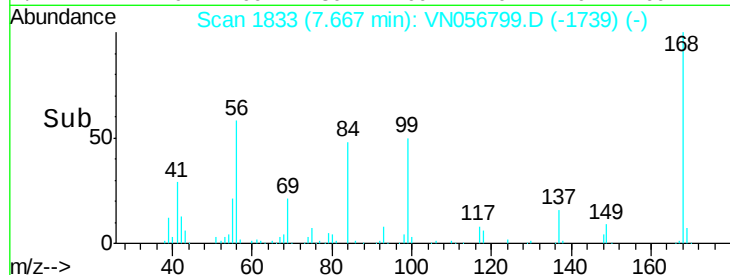
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.192 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056799.D

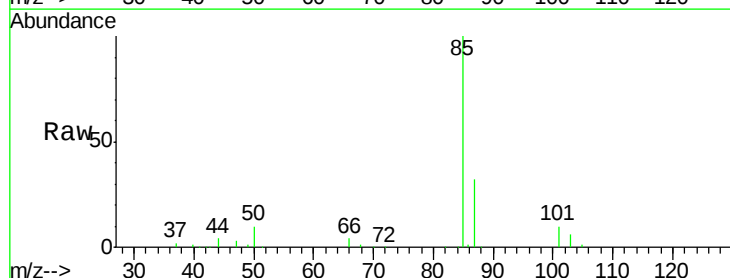
Acq: 17 Jul 2019 16:07

Tgt Ion: 85 Resp: 131743

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN056799.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN056799.D (-1) (-)

1.85

80000

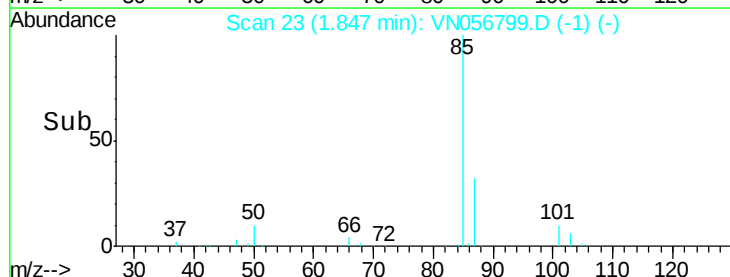
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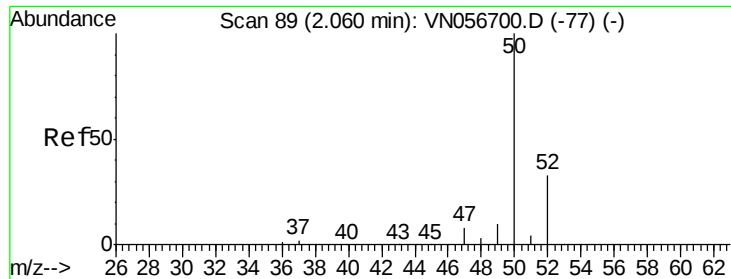
40000

20000

0

Time-->





#3

Chloromethane

Concen: 43.582 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

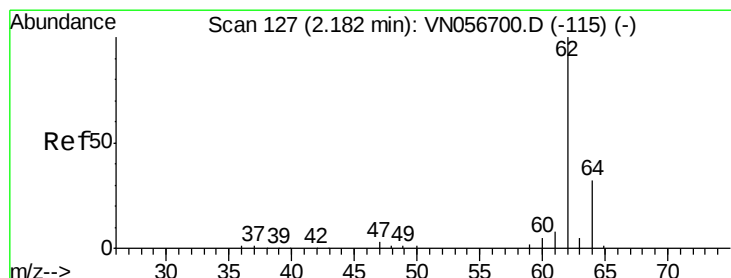
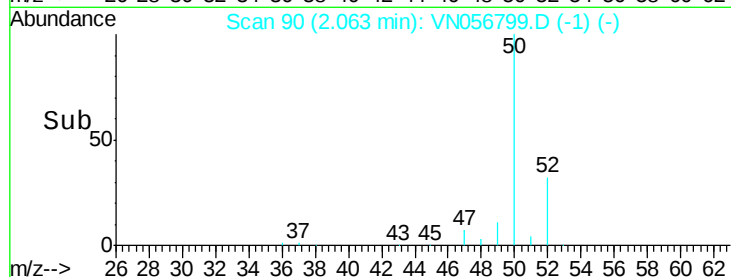
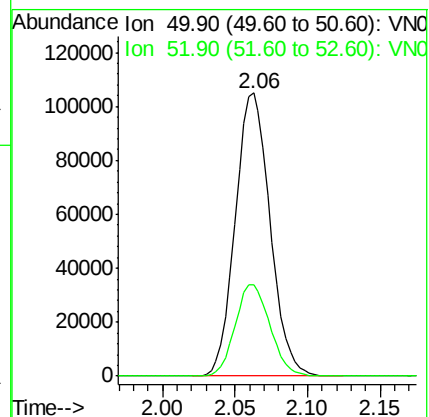
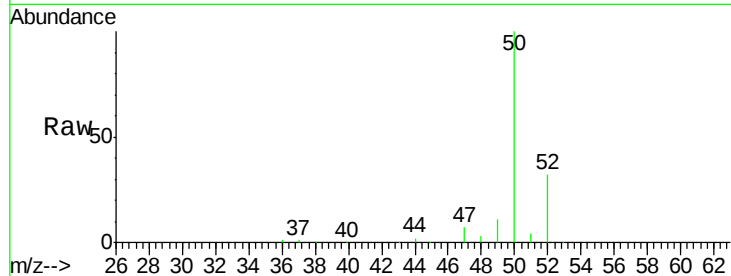
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 174678

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 45.107 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056799.D

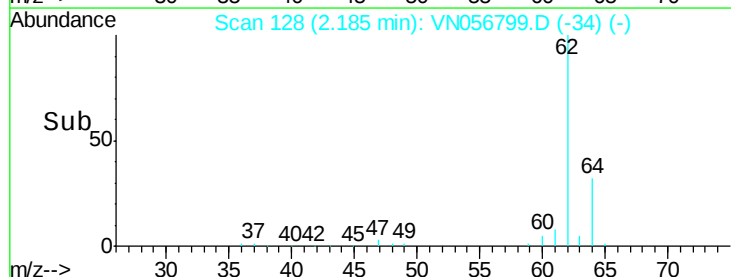
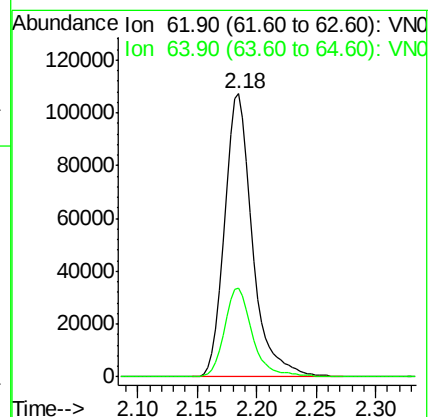
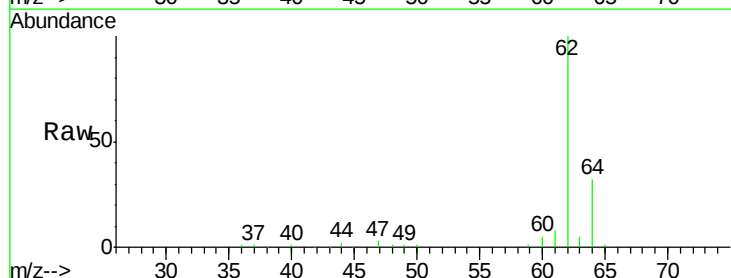
Acq: 17 Jul 2019 16:07

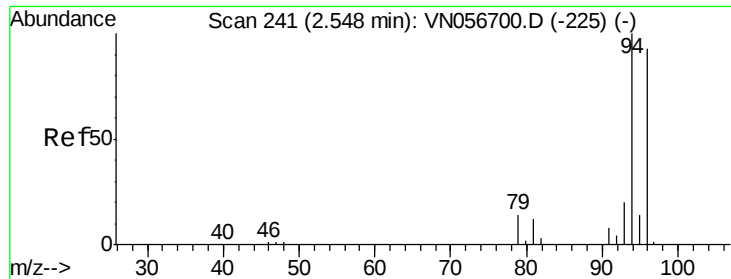
Tgt Ion: 62 Resp: 174097

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4

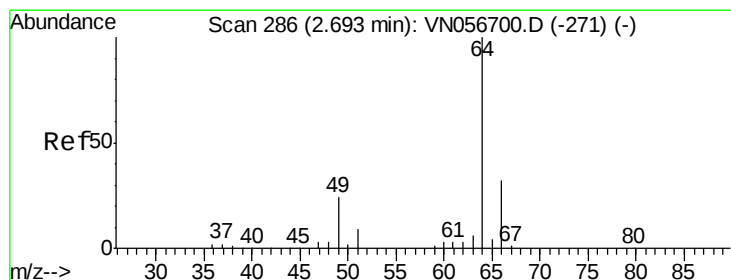
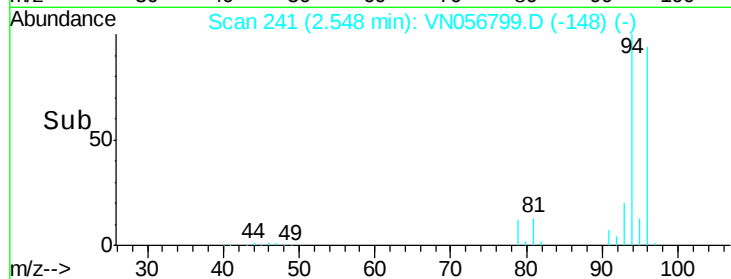
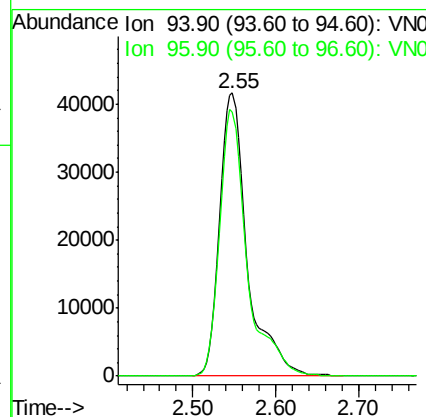
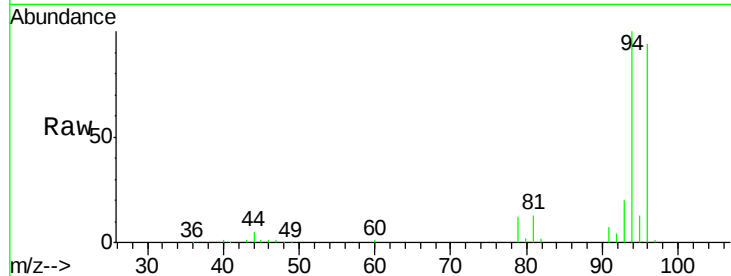




#5
Bromomethane
Concen: 42.606 ug/l
RT: 2.55 min Scan# 241
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

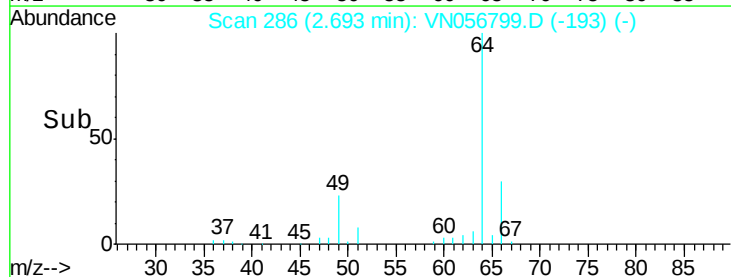
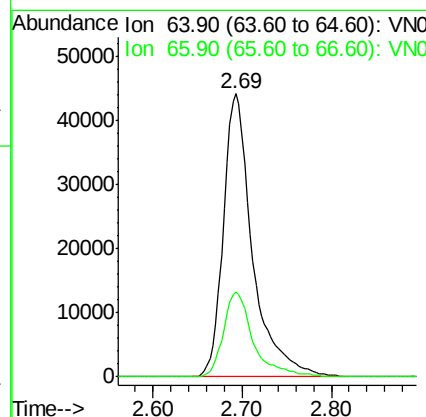
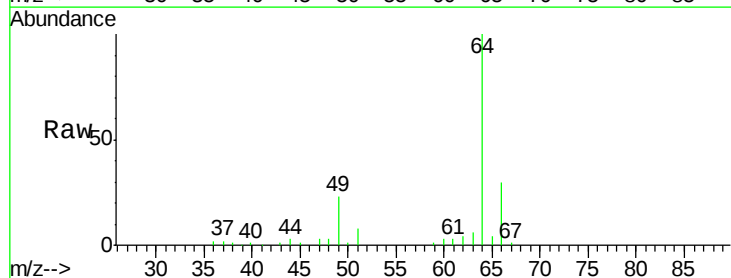
Instrument :
MSVOA_N
ClientSampleId :

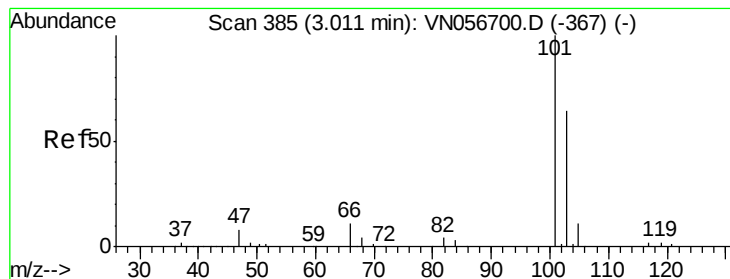
Tot Ion: 94 Resp: 96703
Ion Ratio Lower Upper
94 100
96 93.5 74.0 111.0



#6
Chloroethane
Concen: 44.518 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 64 Resp: 100126
Ion Ratio Lower Upper
64 100
66 30.0 25.8 38.8



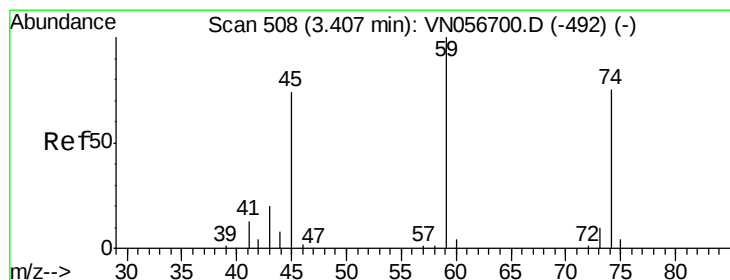
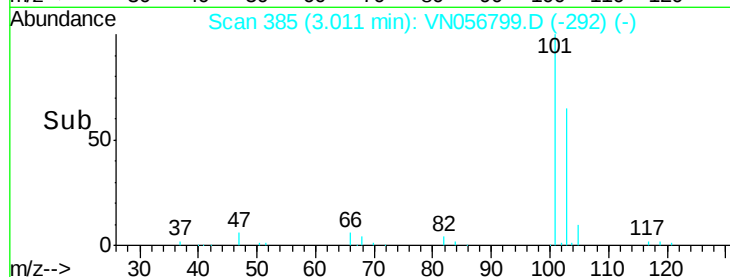
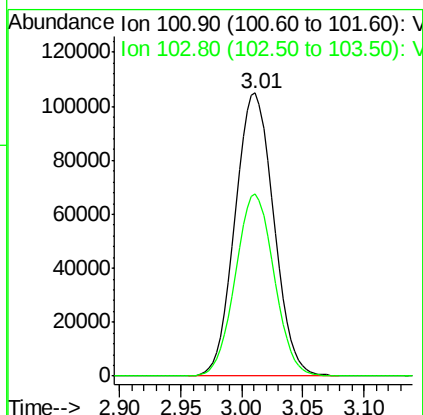
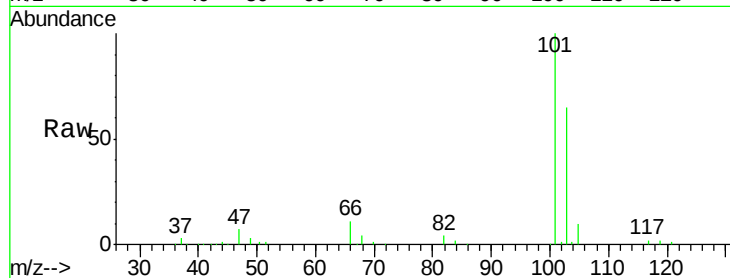


#7

Trichlorofluoromethane
 Concen: 46.606 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Instrument :
 MSVOA_N
 ClientSampled :

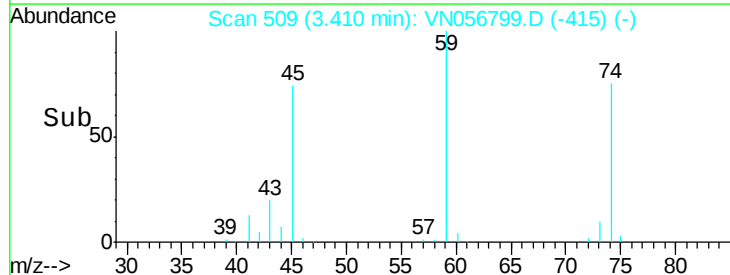
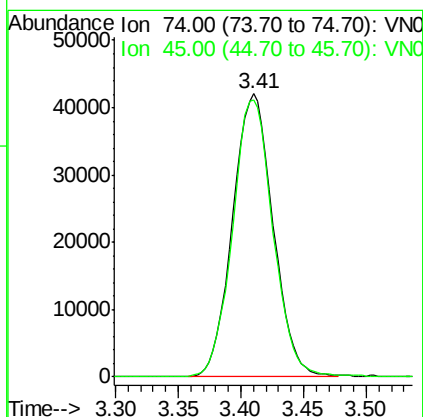
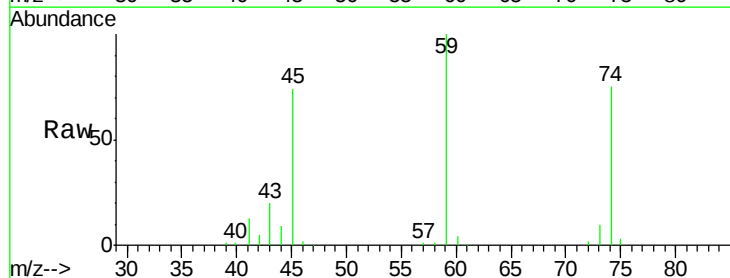
Tot Ion:101 Resp: 230814
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3

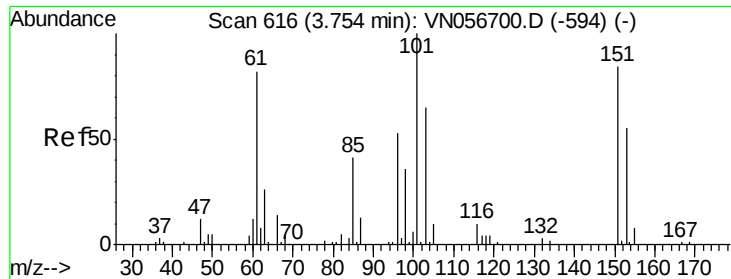


#8

Diethyl Ether
 Concen: 48.927 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion: 74 Resp: 94470
 Ion Ratio Lower Upper
 74 100
 45 97.6 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.478 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

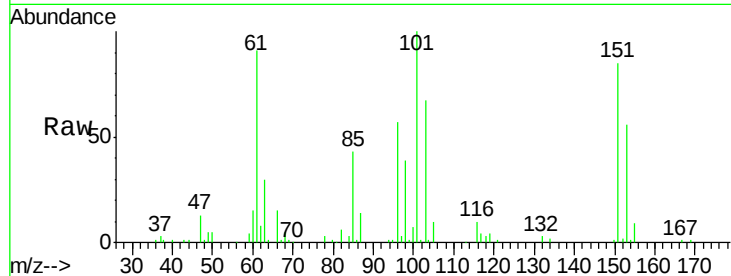
Tot Ion:101 Resp: 141267

Ion Ratio Lower Upper

101 100

85 42.1 33.3 49.9

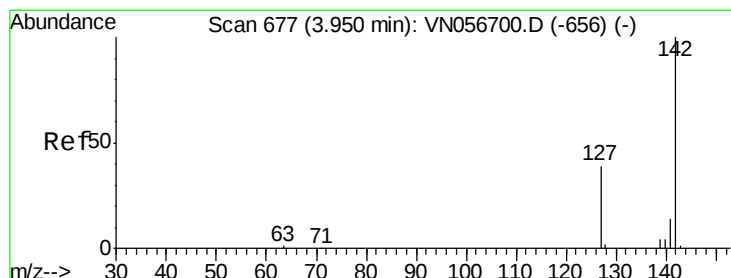
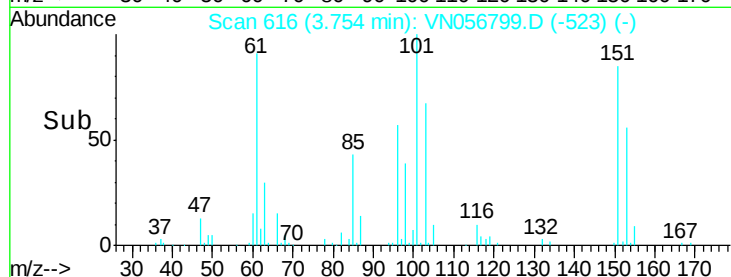
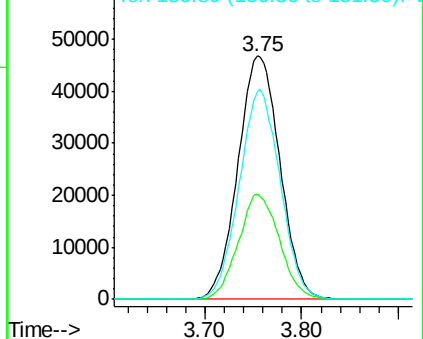
151 84.1 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.828 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

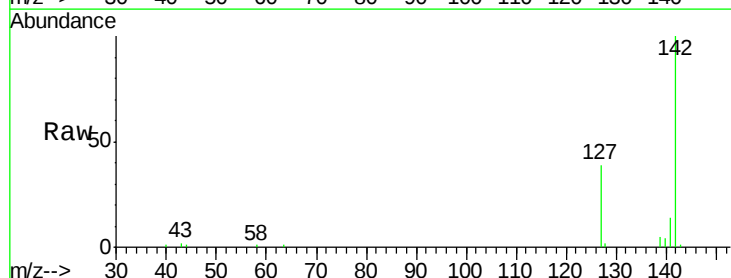
Tgt Ion:142 Resp: 166465

Ion Ratio Lower Upper

142 100

127 39.5 30.7 46.1

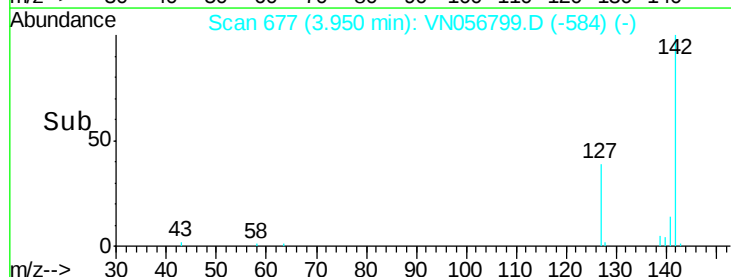
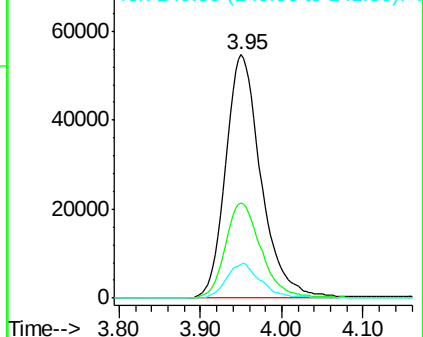
141 13.5 11.3 16.9

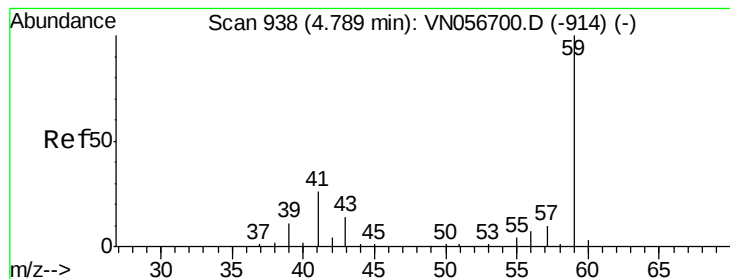


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



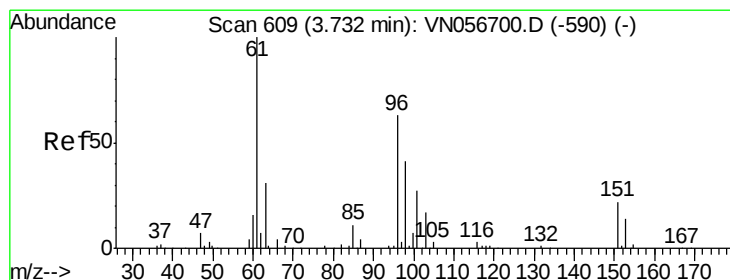
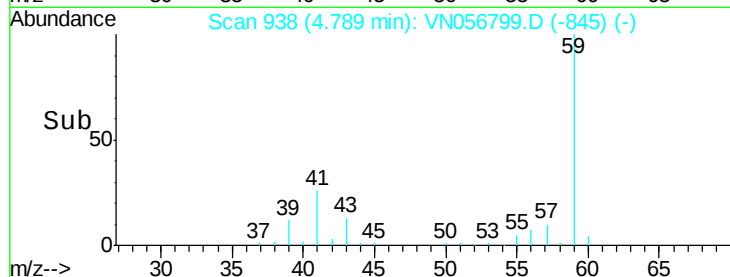
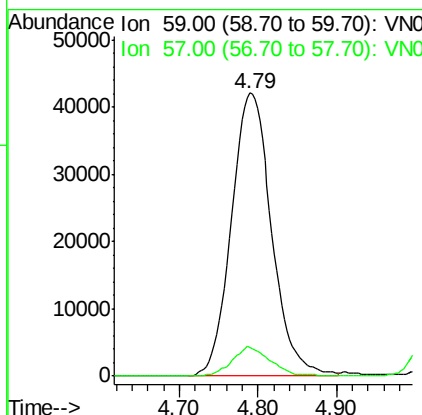
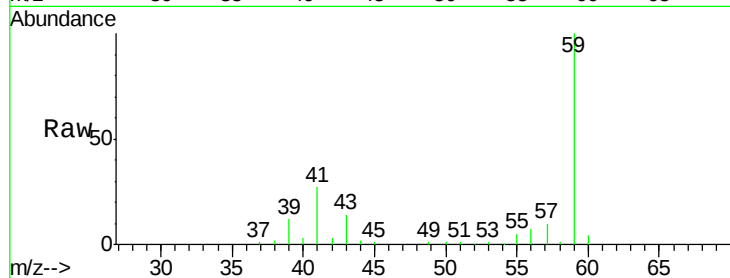


#11

Tert butyl alcohol
 Concen: 257.697 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :

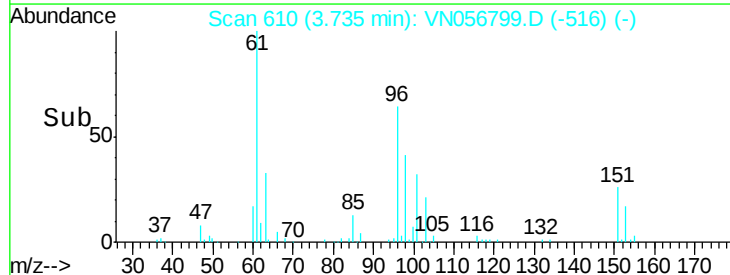
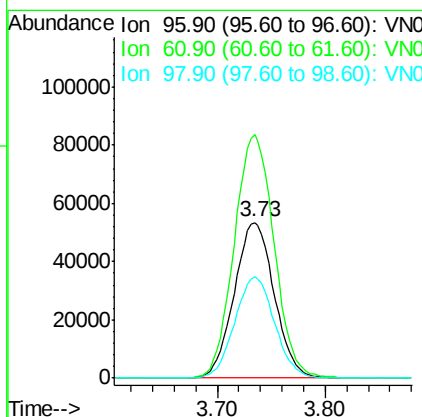
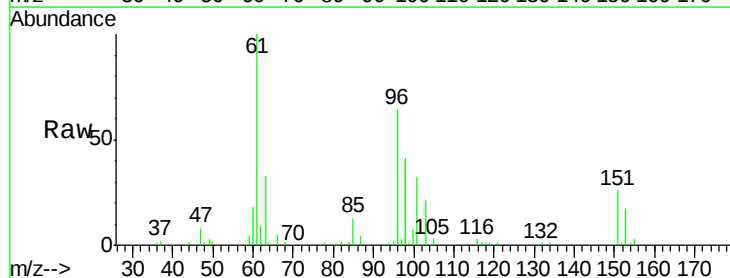
Tot Ion: 59 Resp: 150633
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.0 12.0

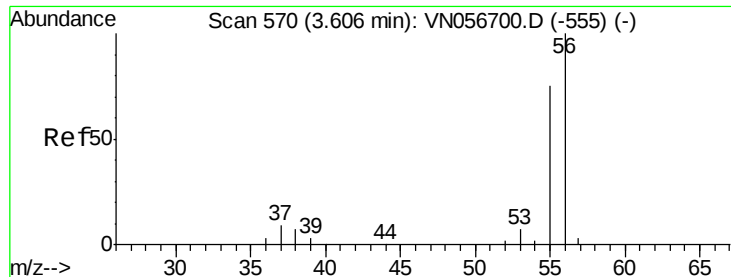


#12

1,1-Dichloroethene
 Concen: 46.222 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion: 96 Resp: 137950
 Ion Ratio Lower Upper
 96 100
 61 155.9 126.6 189.8
 98 64.8 51.4 77.2





#13

Acrolein

Concen: 196.262 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

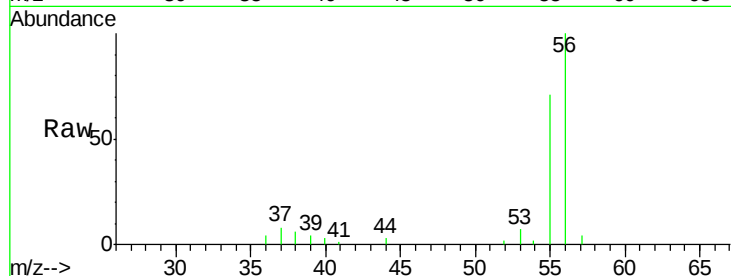
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 38705

Ion Ratio Lower Upper

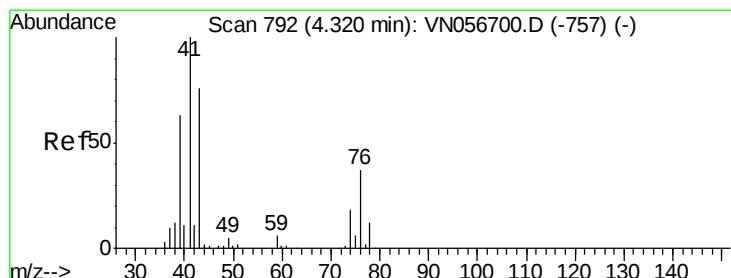
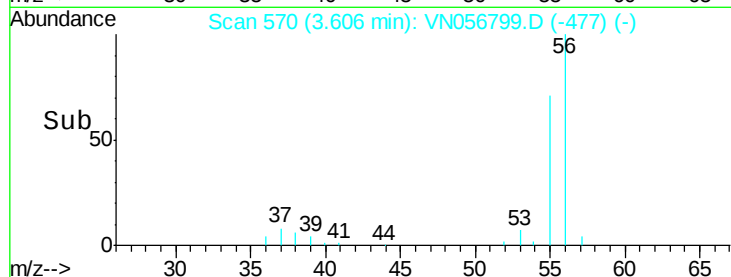
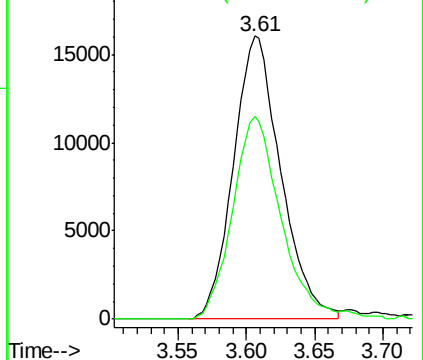
56 100

55 73.5 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.956 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

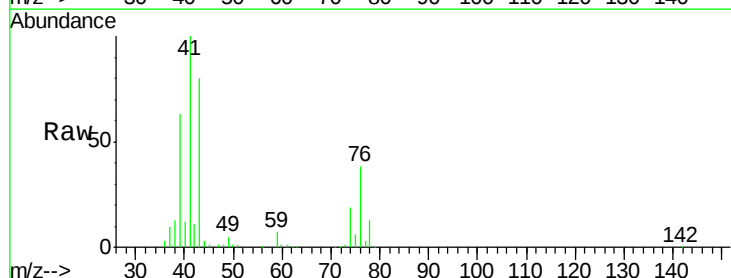
Tgt Ion: 41 Resp: 247515

Ion Ratio Lower Upper

41 100

39 58.9 46.9 70.3

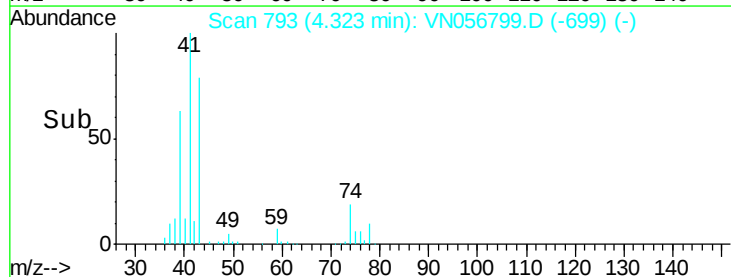
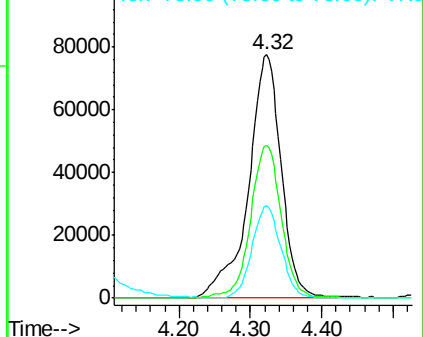
76 32.6 26.5 39.7

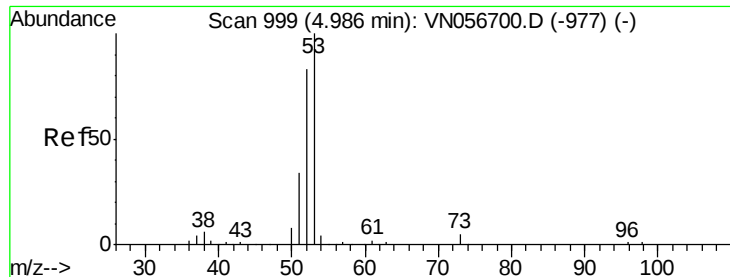


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 255.912 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

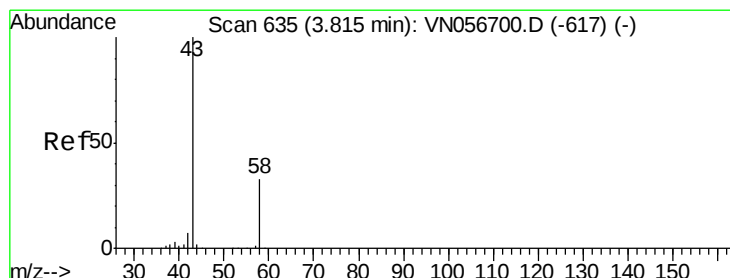
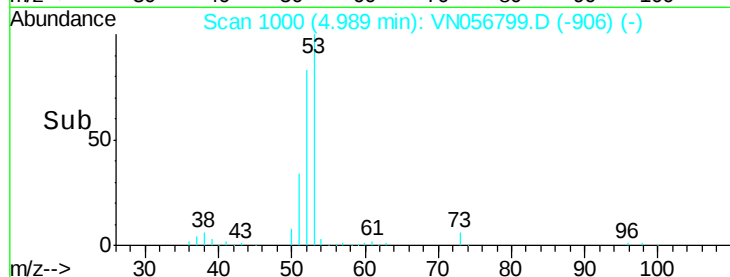
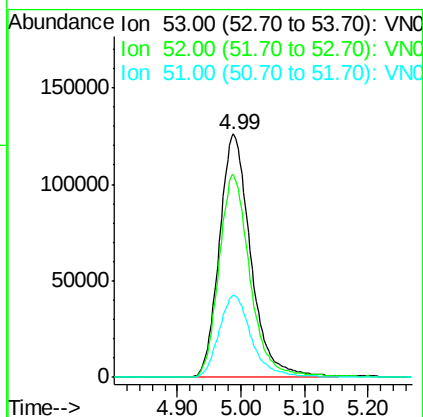
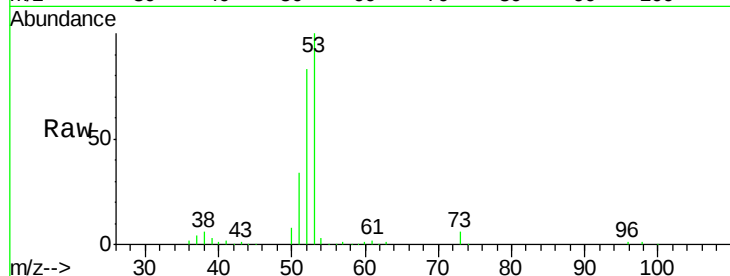
Tot Ion: 53 Resp: 431993

Ion Ratio Lower Upper

53 100

52 82.8 66.6 99.8

51 35.2 28.4 42.6



#16

Acetone

Concen: 228.296 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056799.D

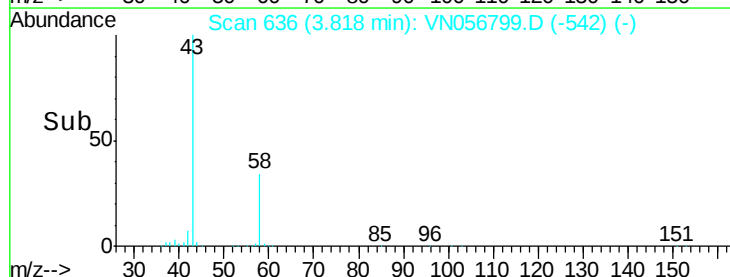
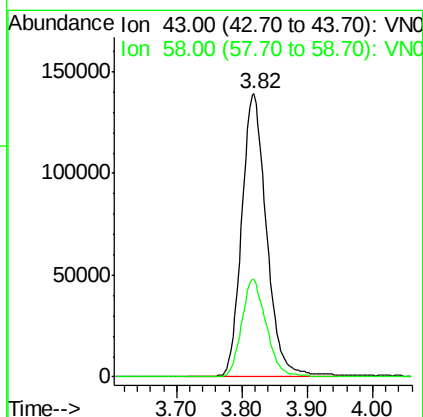
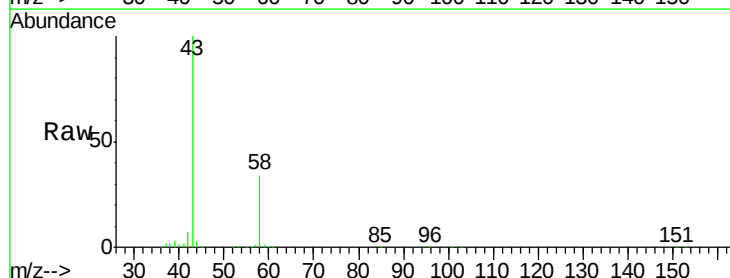
Acq: 17 Jul 2019 16:07

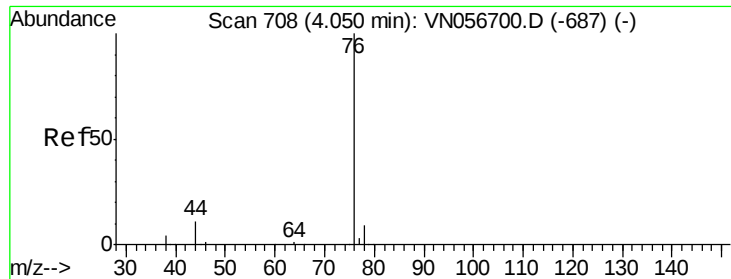
Tgt Ion: 43 Resp: 369454

Ion Ratio Lower Upper

43 100

58 34.4 26.7 40.1

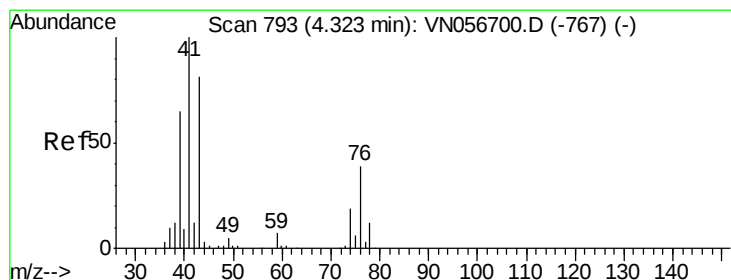
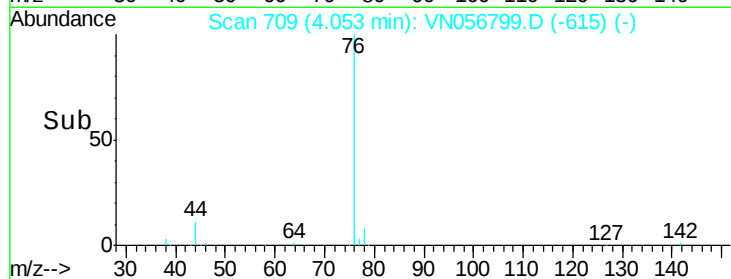
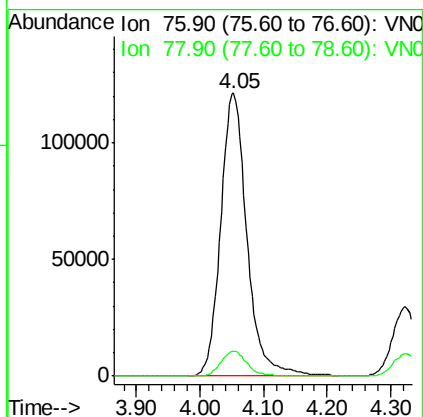
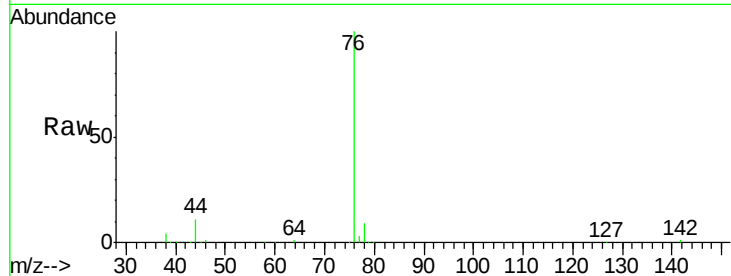




#17
 Carbon Disulfide
 Concen: 44.103 ug/l
 RT: 4.05 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

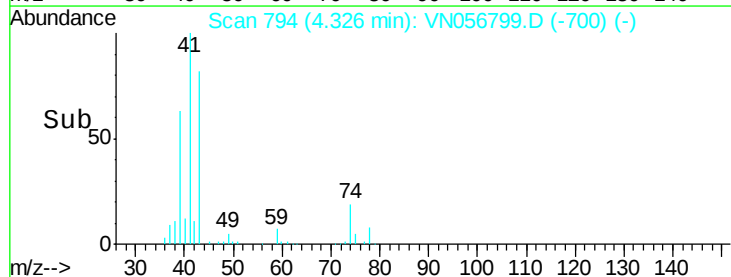
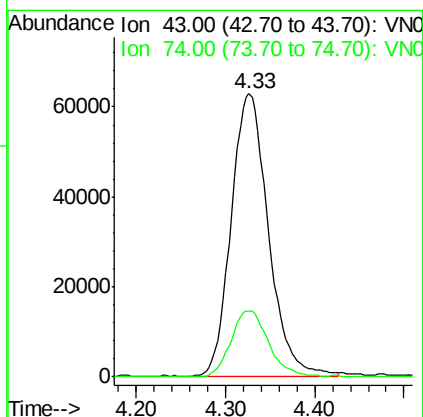
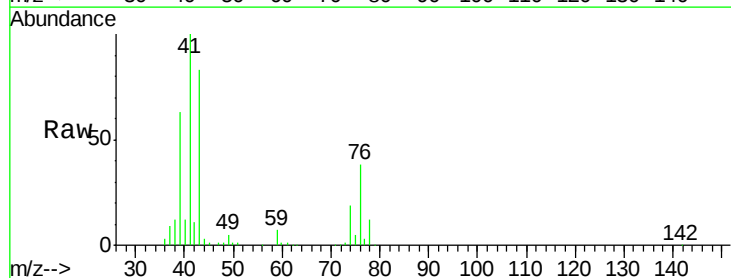
Instrument :
 MSVOA_N
 ClientSampled :

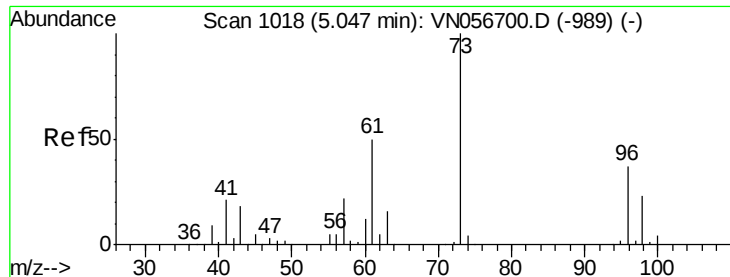
Tot Ion: 76 Resp: 347828
 Ion Ratio Lower Upper
 76 100
 78 8.9 7.4 11.0



#18
 Methyl Acetate
 Concen: 49.903 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion: 43 Resp: 181384
 Ion Ratio Lower Upper
 43 100
 74 23.7 18.9 28.3

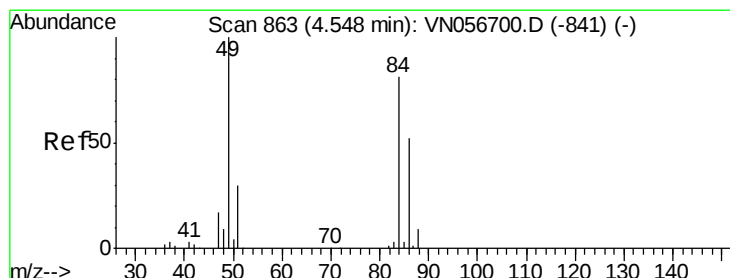
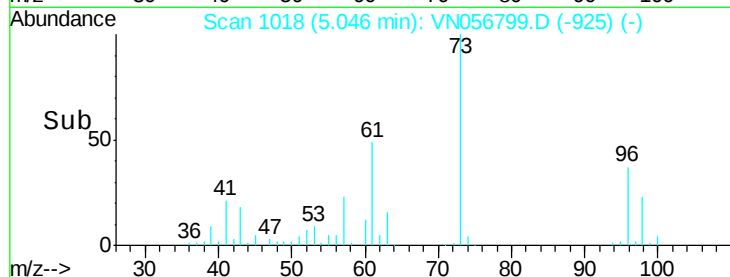
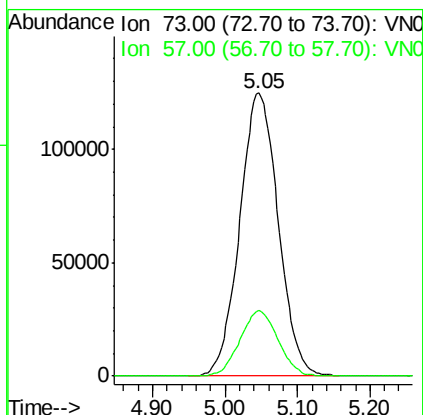
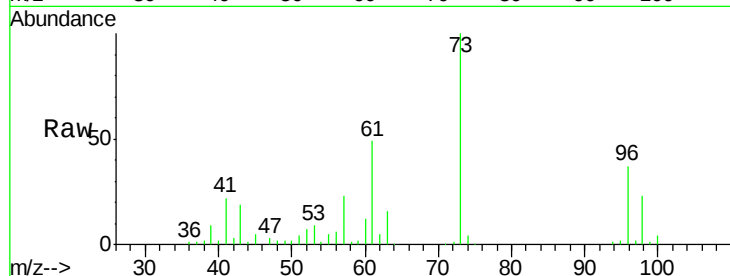




#19
Methvl tert-butvl Ether
Concen: 48.508 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

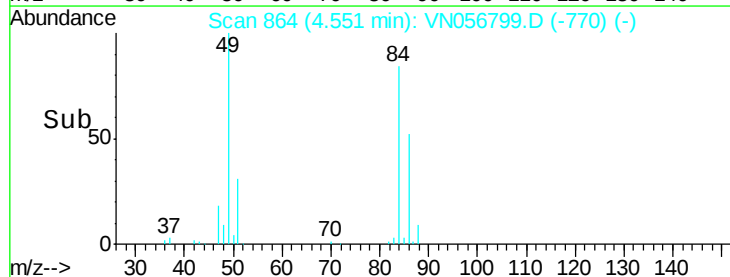
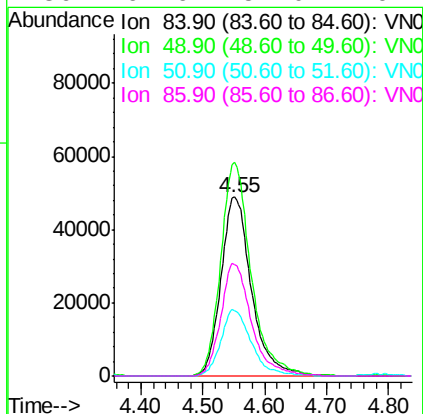
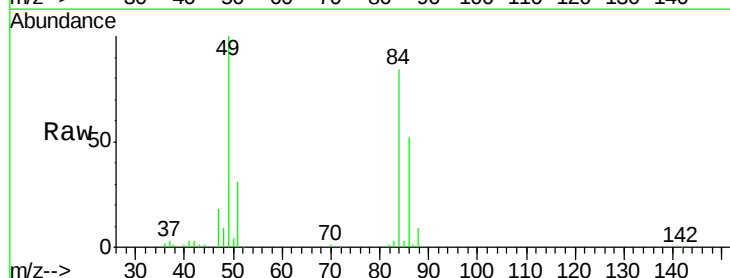
Instrument :
MSVOA_N
ClientSampled :

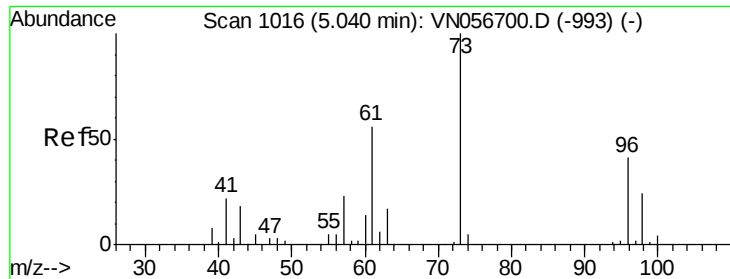
Tot Ion: 73 Resp: 461276
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9



#20
Methylene Chloride
Concen: 47.379 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 84 Resp: 167559
Ion Ratio Lower Upper
84 100
49 119.5 98.2 147.4
51 36.8 29.6 44.4
86 62.6 51.0 76.4



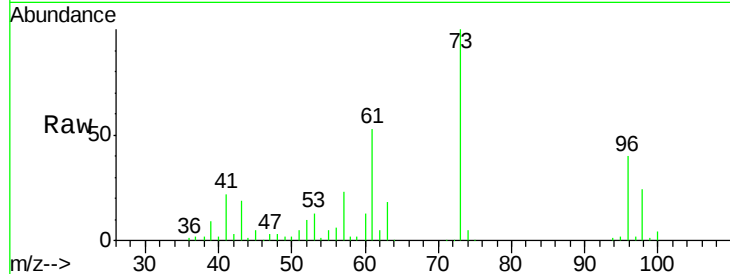


#21

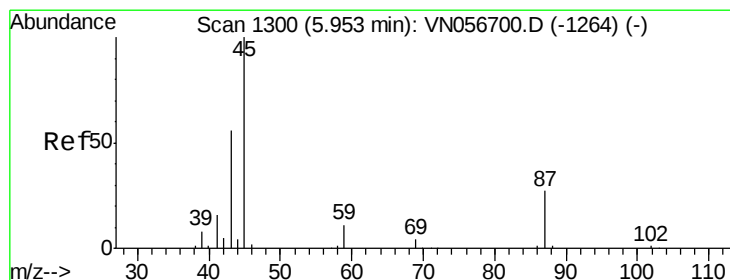
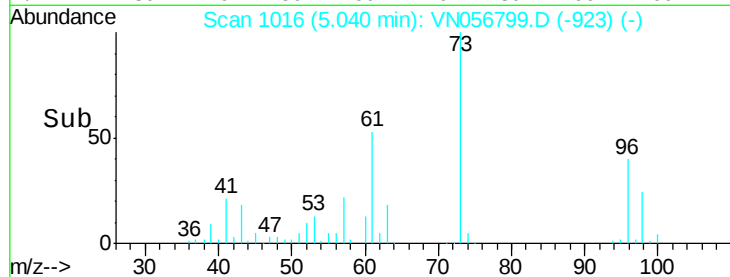
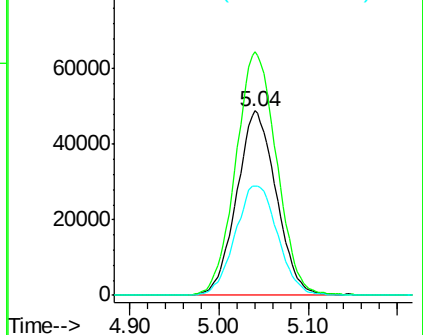
trans-1,2-Dichloroethene
Concen: 47.894 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 151094
Ion Ratio Lower Upper
96 100
61 131.8 109.4 164.2
98 59.2 48.0 72.0



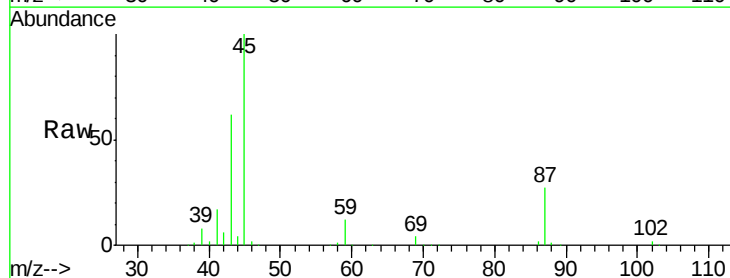
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



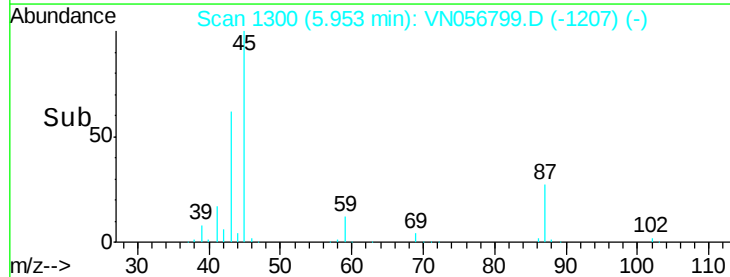
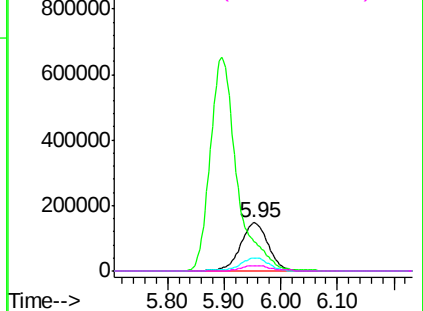
#22

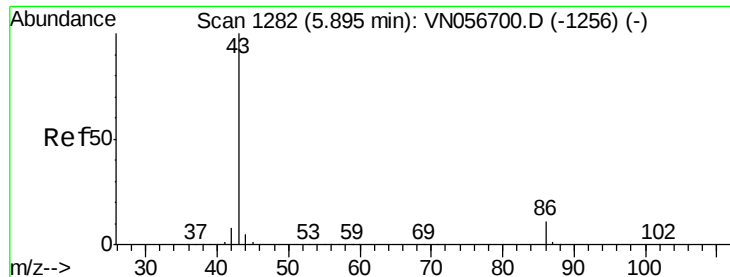
Diisopropyl ether
Concen: 49.485 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 45 Resp: 504137
Ion Ratio Lower Upper
45 100
43 60.7 45.6 68.4
87 27.2 22.0 33.0
59 12.0 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 259.227 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

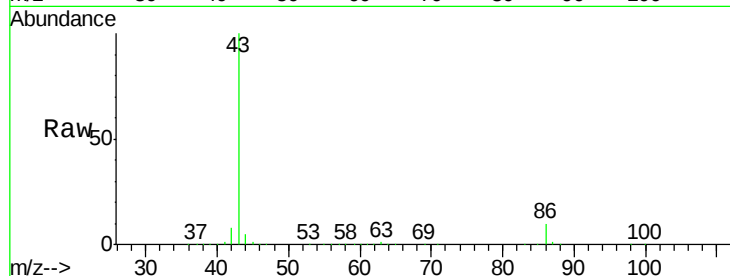
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2140069

Ion Ratio Lower Upper

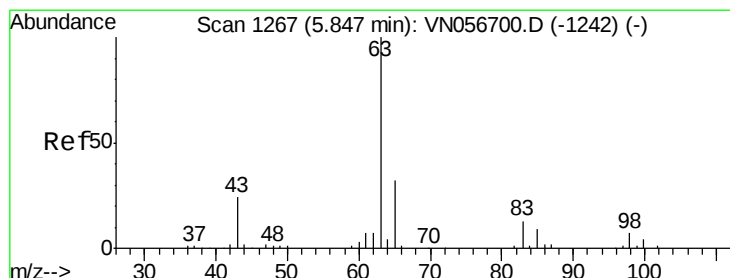
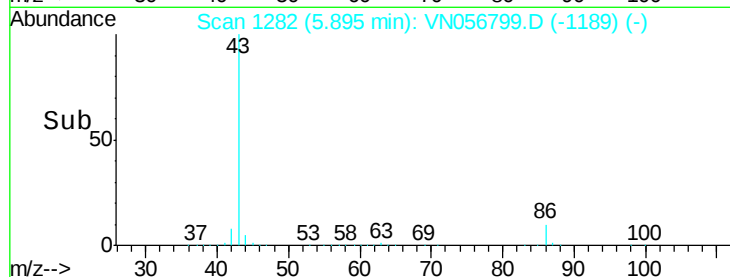
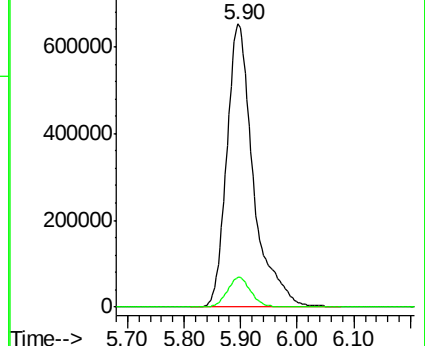
43 100

86 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.559 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

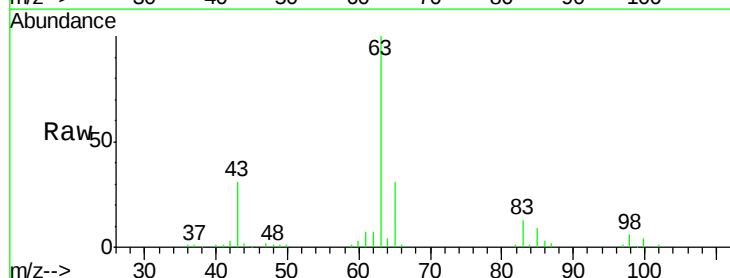
Tgt Ion: 63 Resp: 286817

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

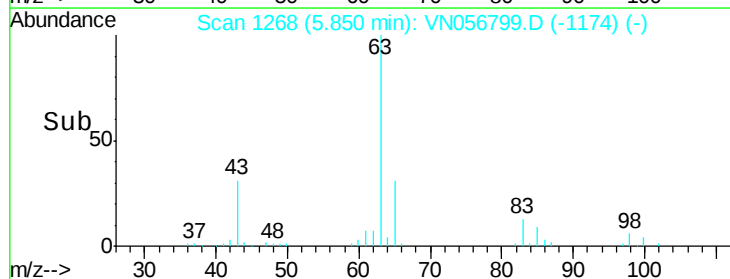
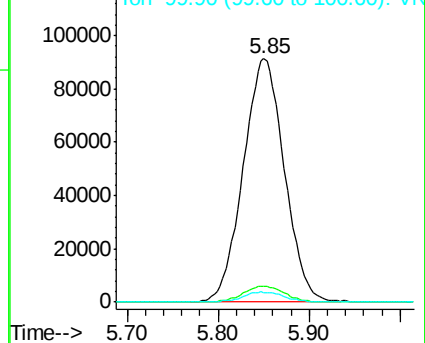
100 4.1 2.0 5.8

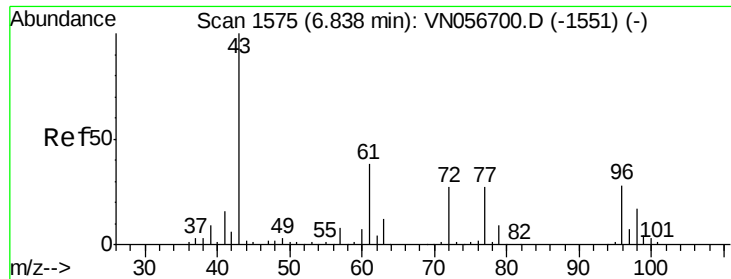


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 247.712 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

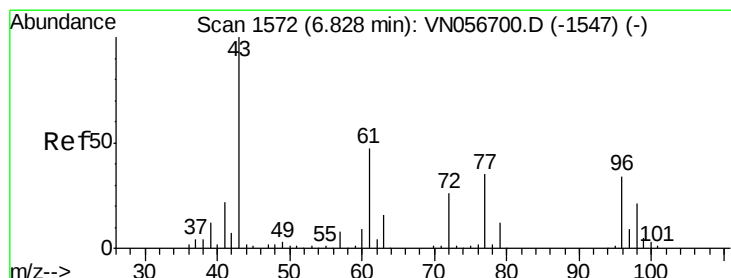
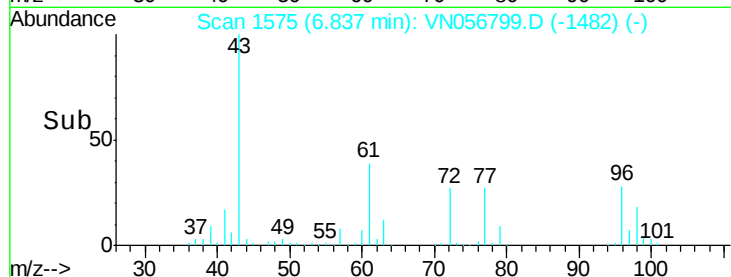
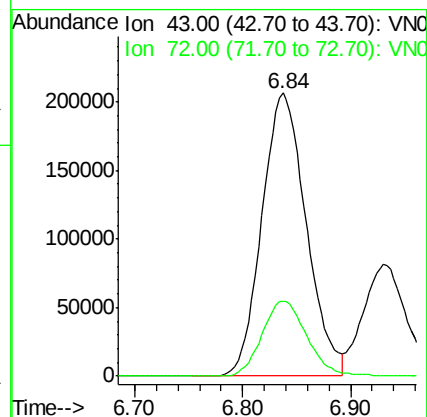
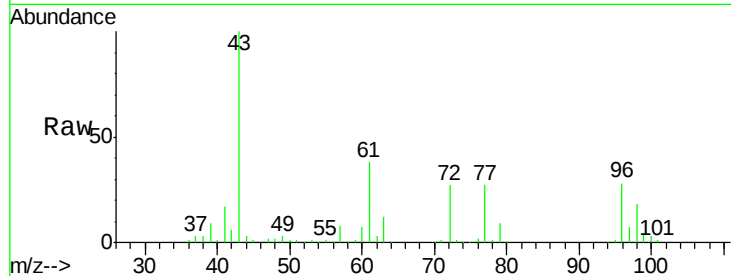
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 586083

Ion Ratio Lower Upper

43 100

72 26.6 21.2 31.8



#26

2,2-Dichloropropane

Concen: 48.784 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056799.D

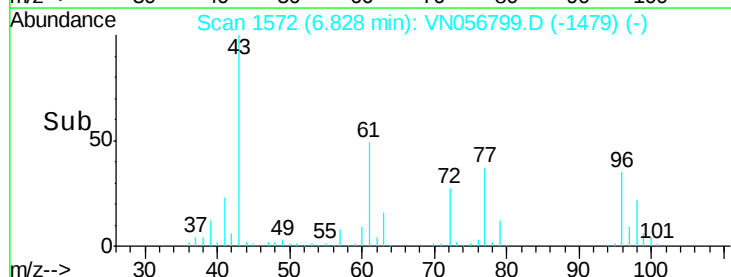
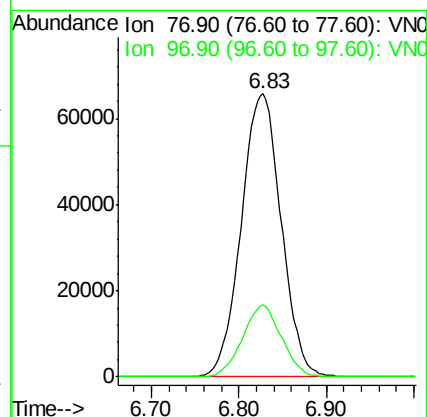
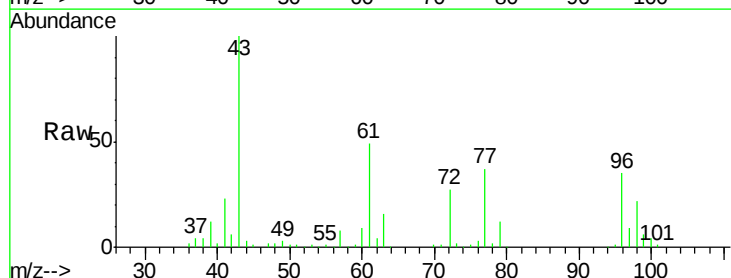
Acq: 17 Jul 2019 16:07

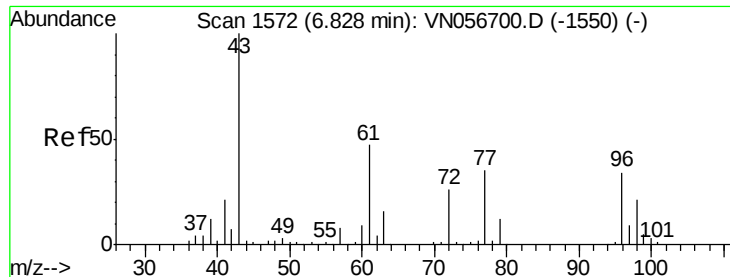
Tgt Ion: 77 Resp: 207764

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6



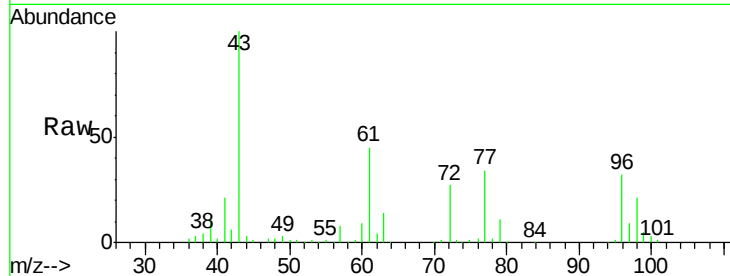


#27

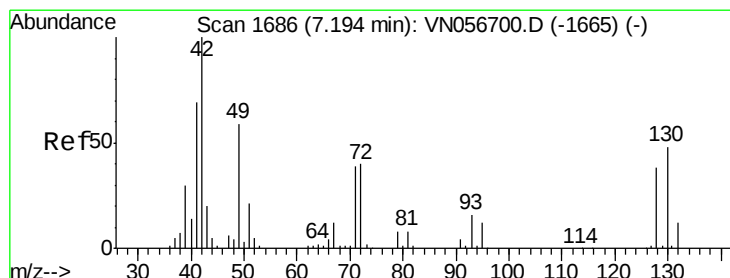
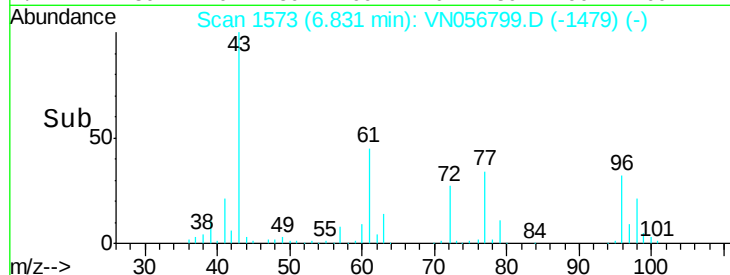
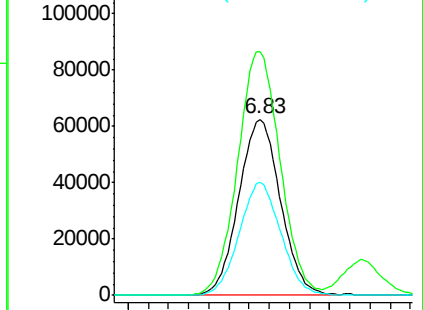
cis-1,2-Dichloroethene
Concen: 49.503 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	281.4
98	64.1	0.0	127.8



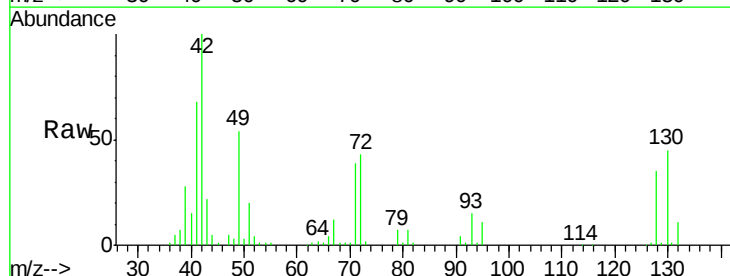
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



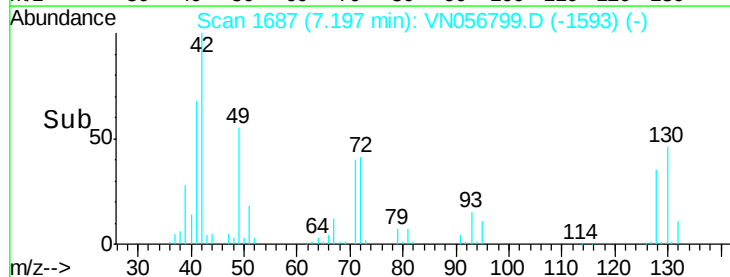
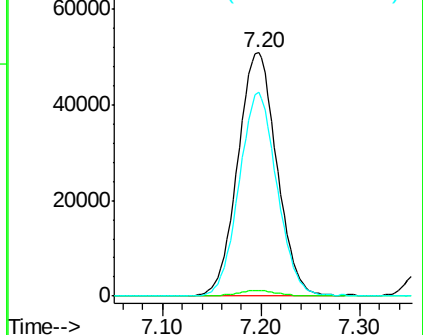
#28

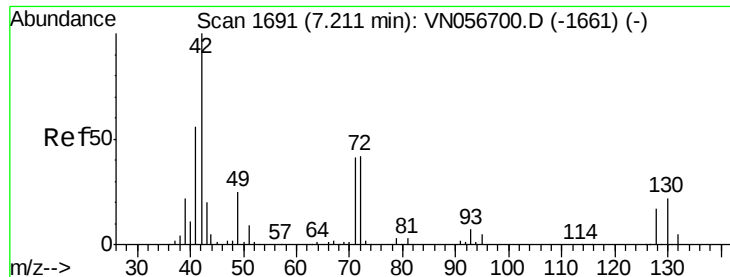
Bromochloromethane
Concen: 50.280 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	81.3	64.7	97.1



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

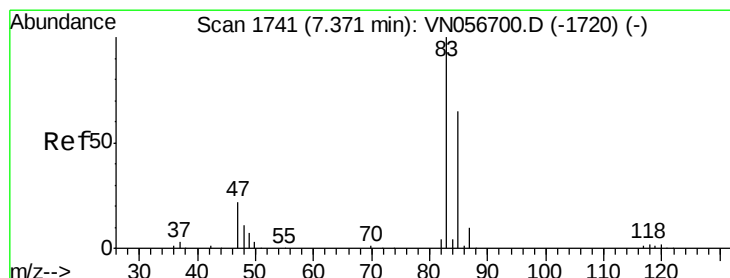
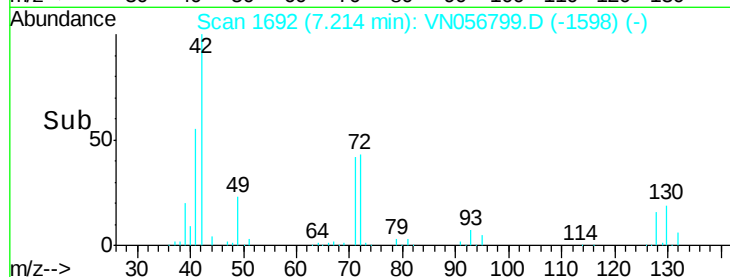
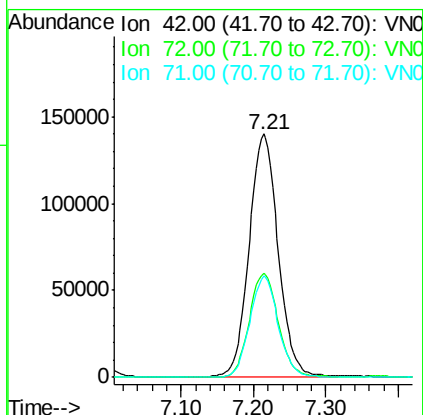
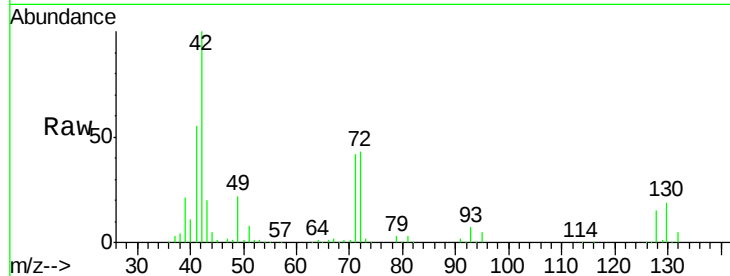




#29
Tetrahydrofuran
Concen: 253.937 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

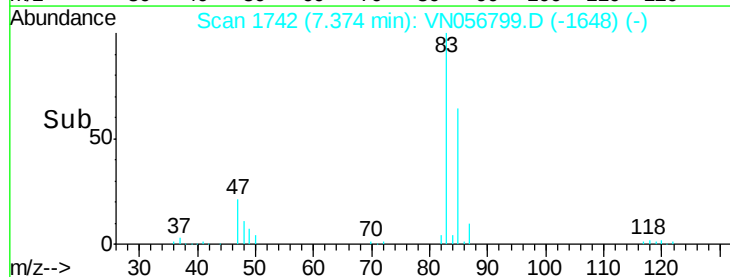
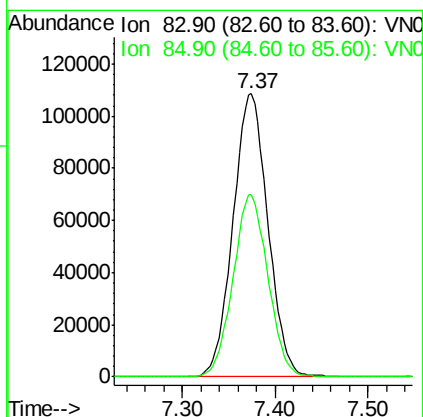
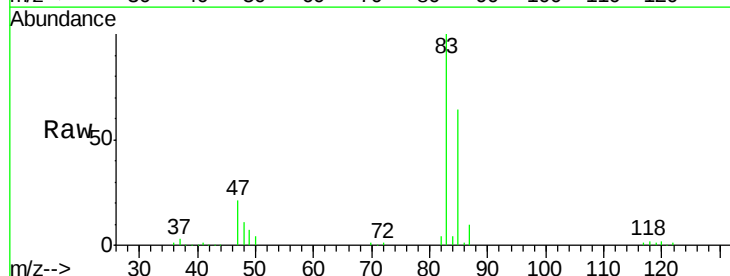
Instrument :
MSVOA_N
ClientSampled :

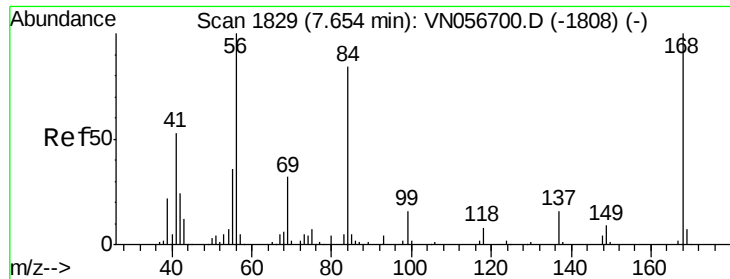
Tot Ion: 42 Resp: 391866
Ion Ratio Lower Upper
42 100
72 42.8 33.5 50.3
71 40.6 31.8 47.8



#30
Chloroform
Concen: 47.947 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 83 Resp: 283398
Ion Ratio Lower Upper
83 100
85 64.4 51.9 77.9

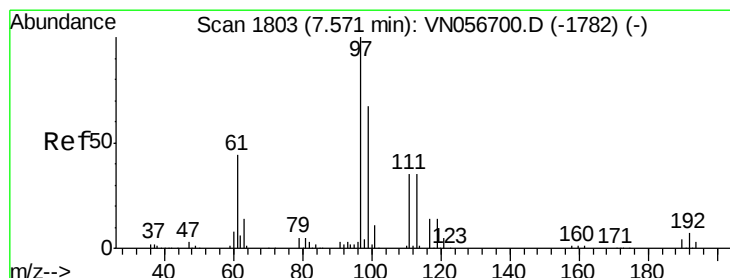
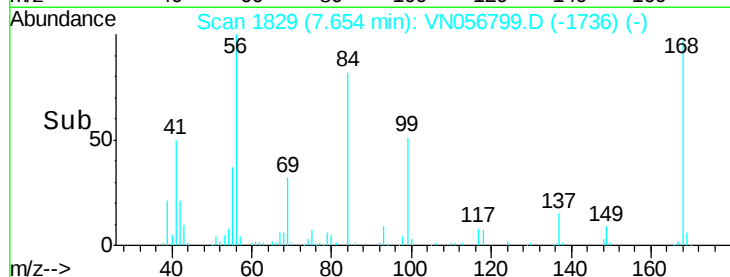
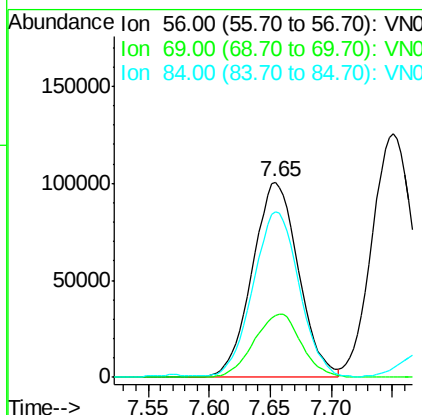
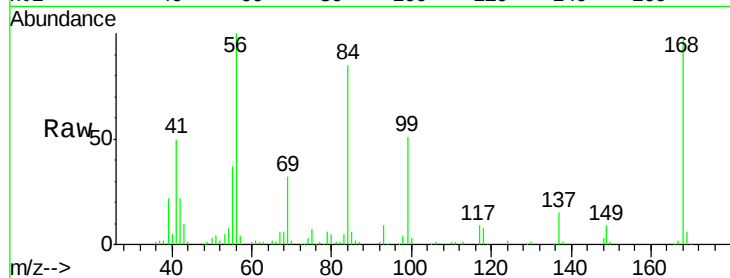




#31
Cyclohexane
Concen: 47.119 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

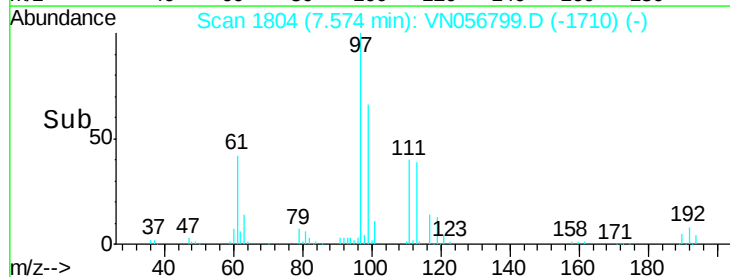
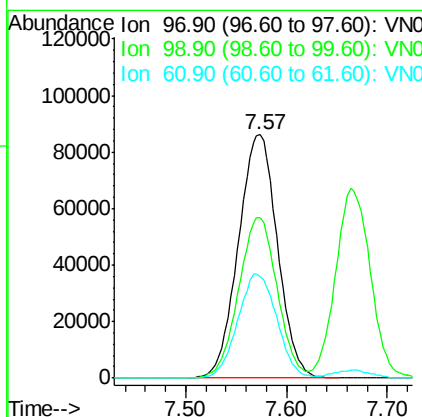
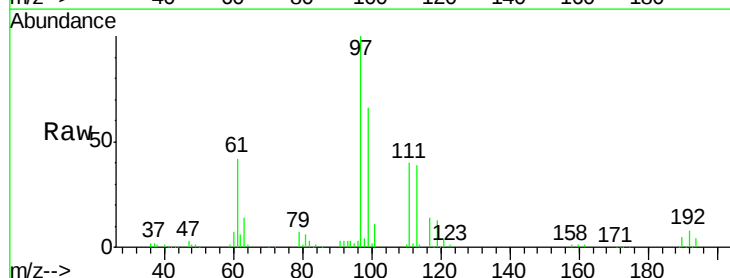
Instrument :
MSVOA_N
ClientSampleId :

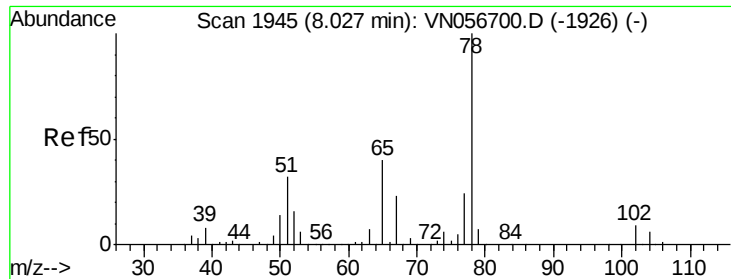
Tot Ion: 56 Resp: 264527
Ion Ratio Lower Upper
56 100
69 31.9 25.8 38.8
84 83.9 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 49.466 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 97 Resp: 231225
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 42.8 34.3 51.5

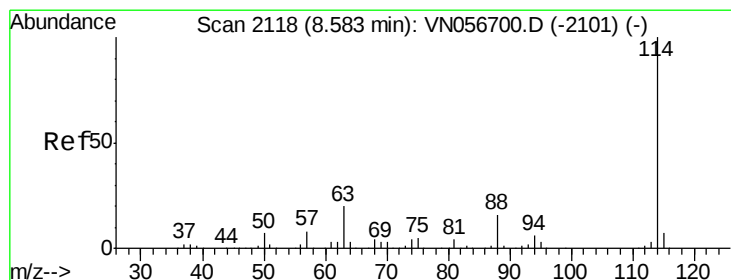
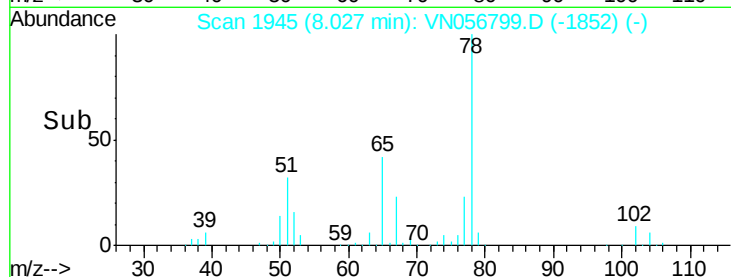
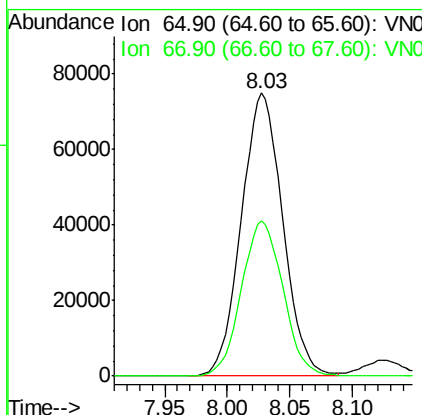
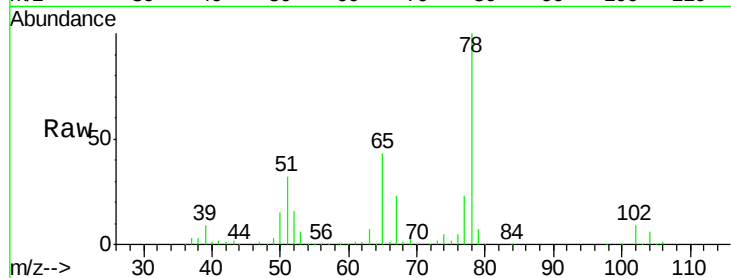




#33
 1,2-Dichloroethane-d4
 Concen: 49.138 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

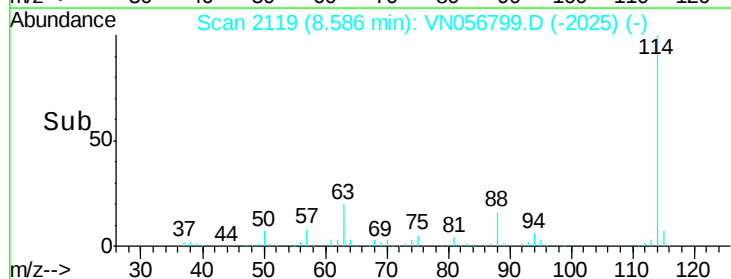
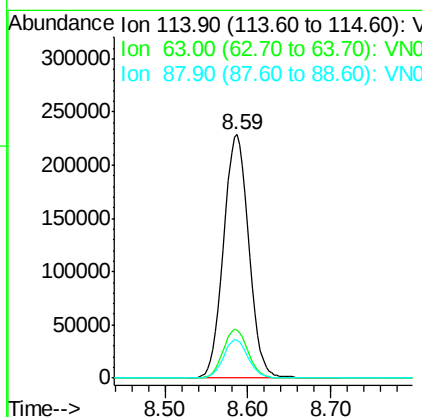
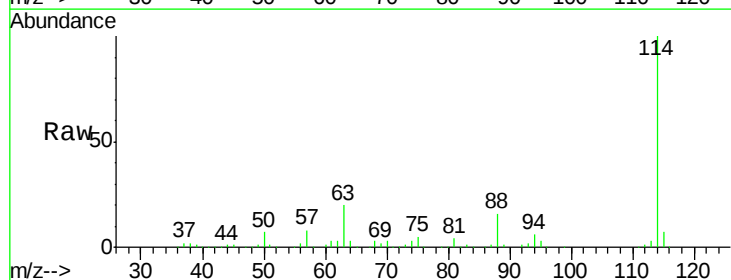
Instrument :
 MSVOA_N
 ClientSampled :

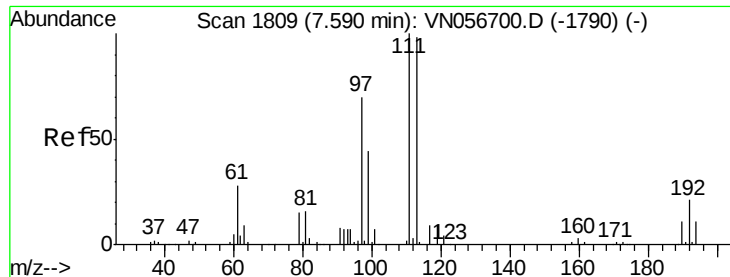
Tot Ion: 65 Resp: 172560
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion: 114 Resp: 484795
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.670 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

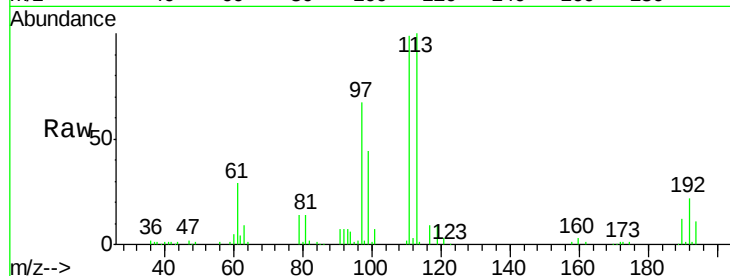
Tot Ion:113 Resp: 152869

Ion Ratio Lower Upper

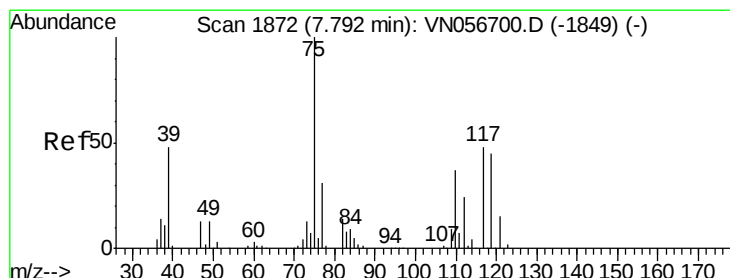
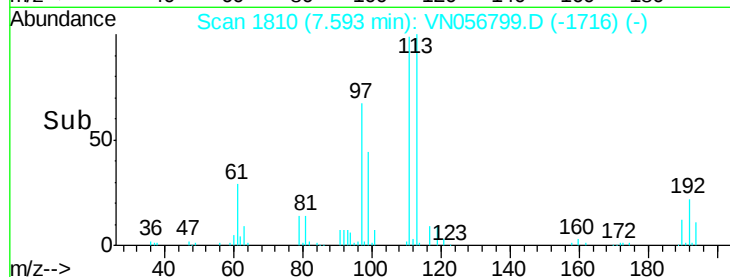
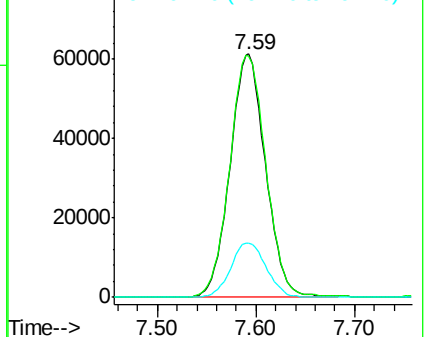
113 100

111 101.9 81.8 122.6

192 22.6 17.5 26.3



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: 47.128 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

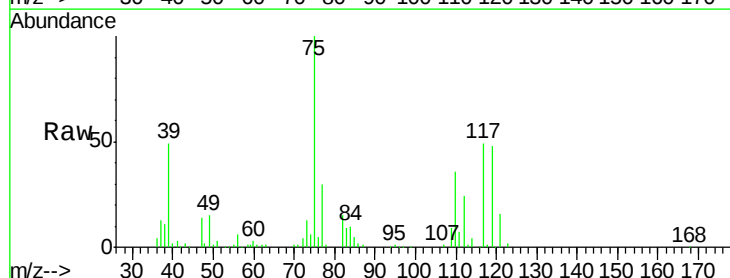
Tgt Ion: 75 Resp: 211423

Ion Ratio Lower Upper

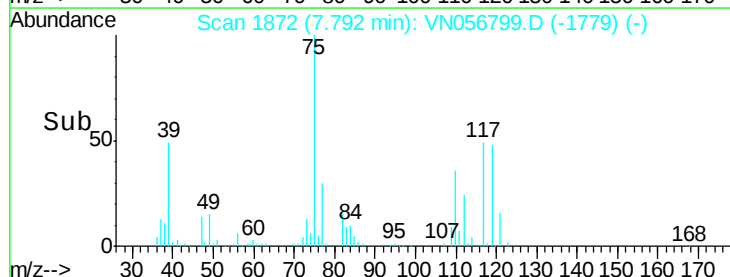
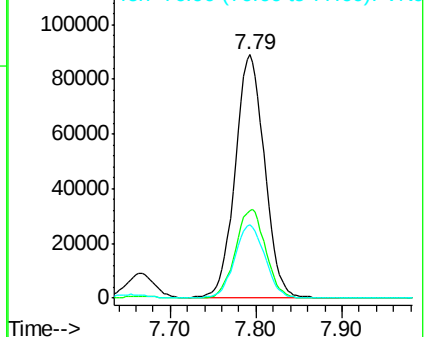
75 100

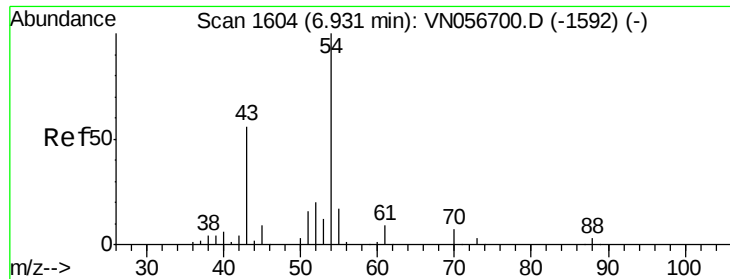
110 37.3 18.4 55.4

77 31.0 24.6 36.8



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

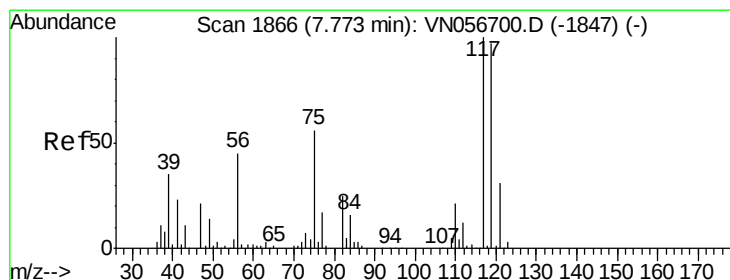
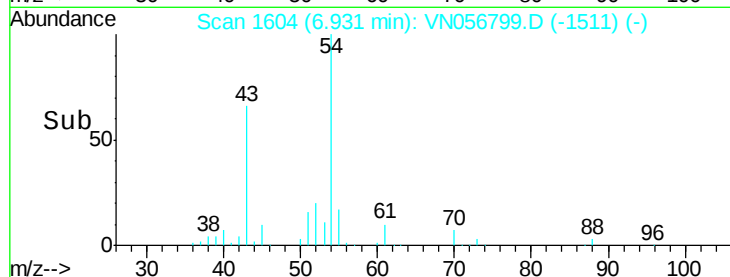
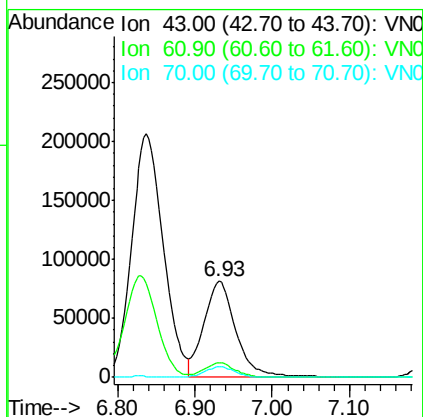
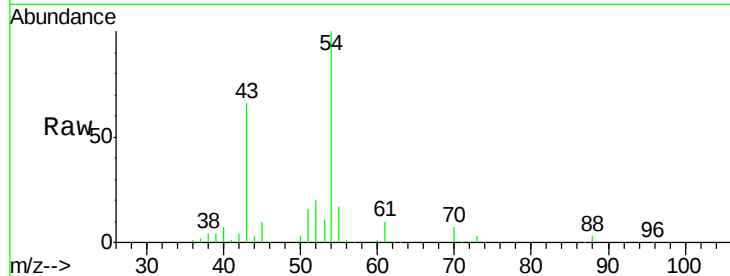




#37
Ethyl Acetate
Concen: 52.558 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

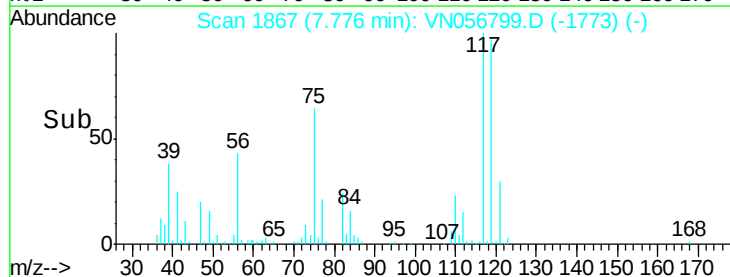
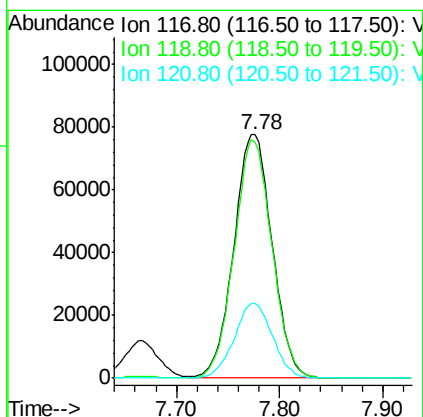
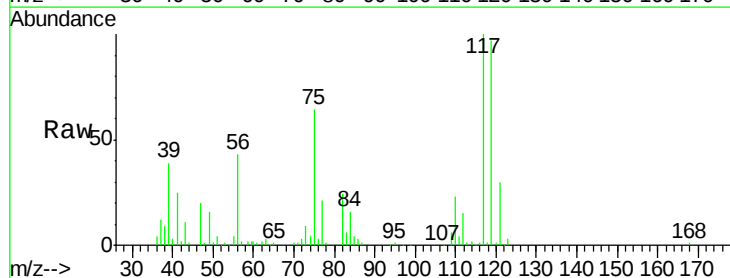
Instrument :
MSVOA_N
ClientSampled :

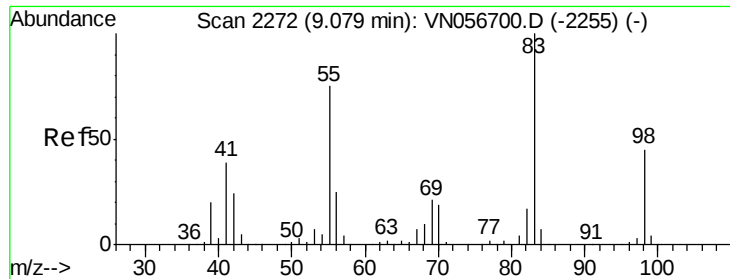
Tot Ion: 43 Resp: 232386
Ion Ratio Lower Upper
43 100
61 14.6 11.3 16.9
70 10.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 47.734 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 117 Resp: 200821
Ion Ratio Lower Upper
117 100
119 97.0 77.5 116.3
121 30.4 24.7 37.1

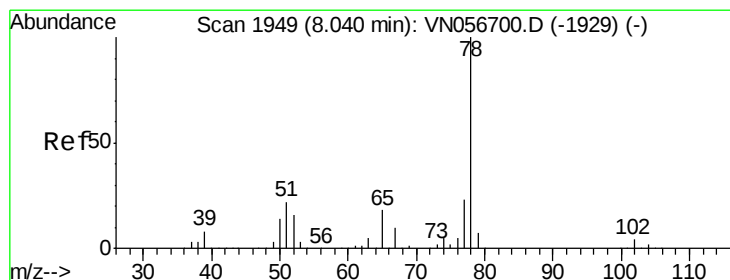
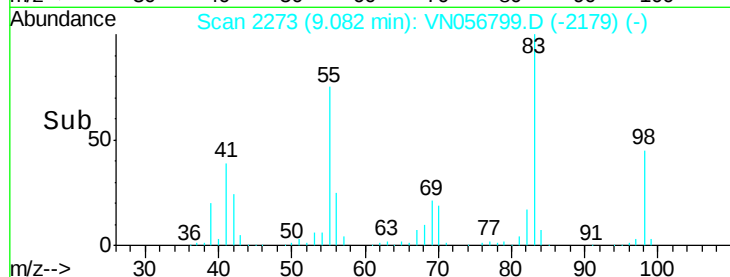
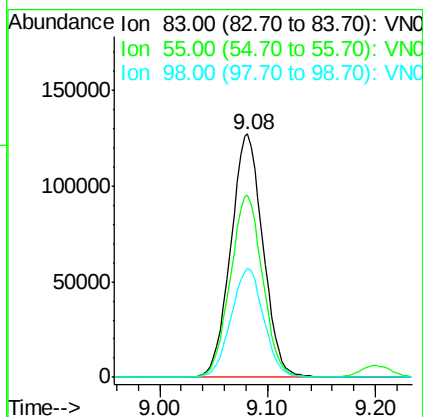
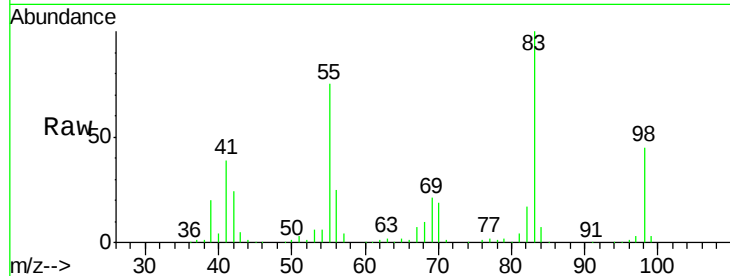




#39
Methvlcvclohexane
Concen: 47.809 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

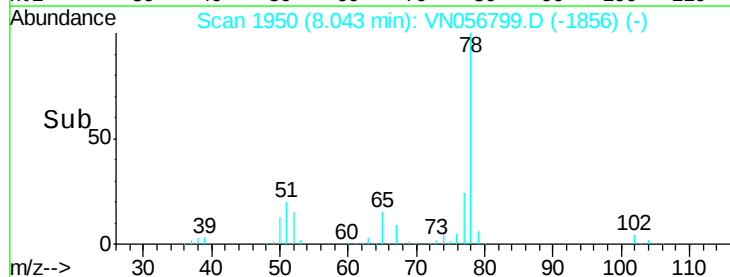
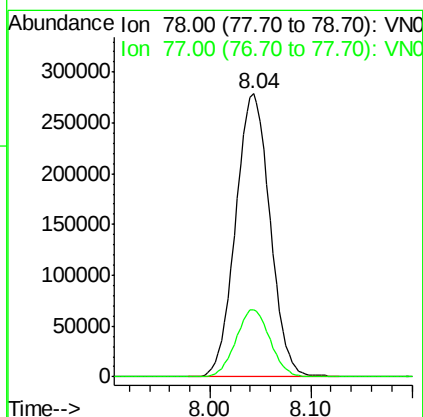
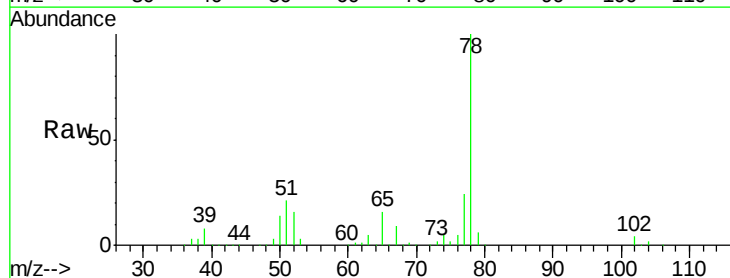
Instrument :
MSVOA_N
ClientSampleId :

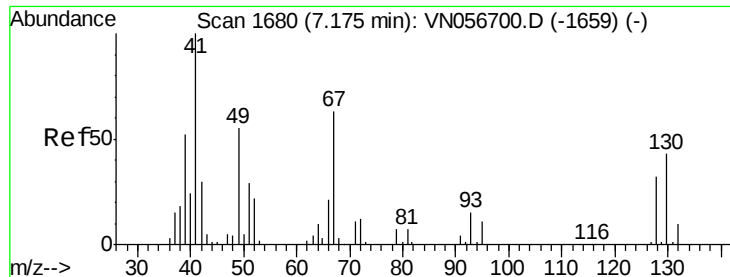
Tot Ion: 83 Resp: 264828
Ion Ratio Lower Upper
83 100
55 74.8 60.4 90.6
98 44.9 35.8 53.8



#40
Benzene
Concen: 47.973 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 78 Resp: 659423
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8

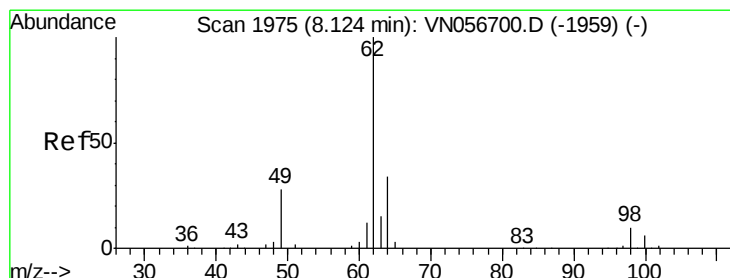
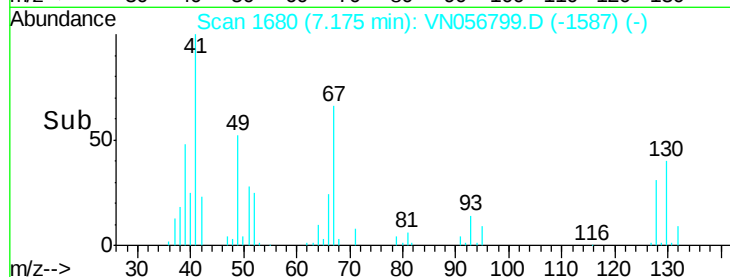
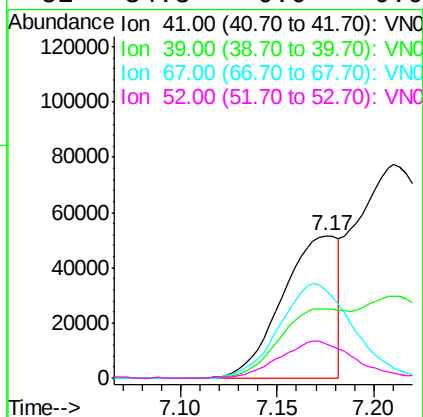
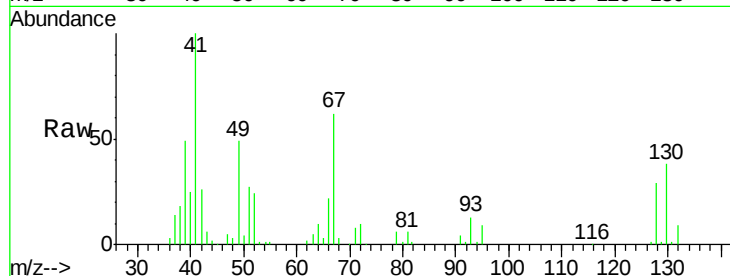




#41
Methacrylonitrile
Concen: 53.316 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

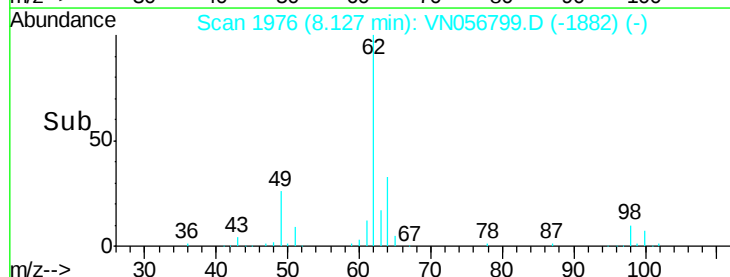
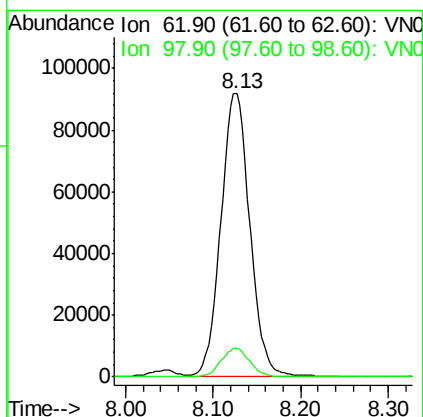
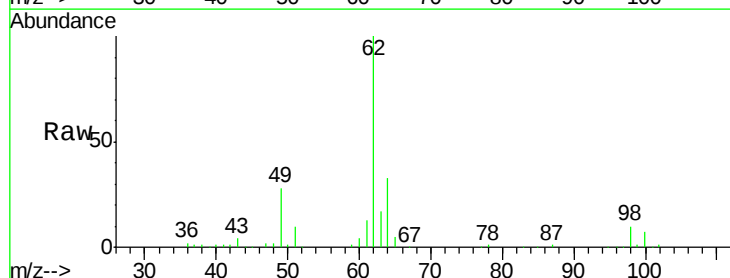
Instrument :
MSVOA_N
ClientSampleId :

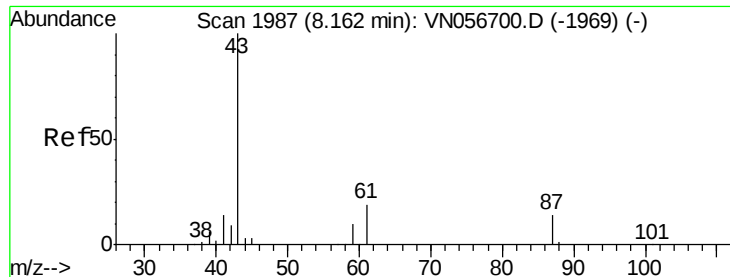
Tot Ion: 41 Resp: 103549
Ion Ratio Lower Upper
41 100
39 59.5 0.0 0.0#
67 88.8 0.0 0.0#
52 34.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 48.547 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 62 Resp: 210899
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.8





#43

Isopropyl Acetate

Concen: 50.984 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

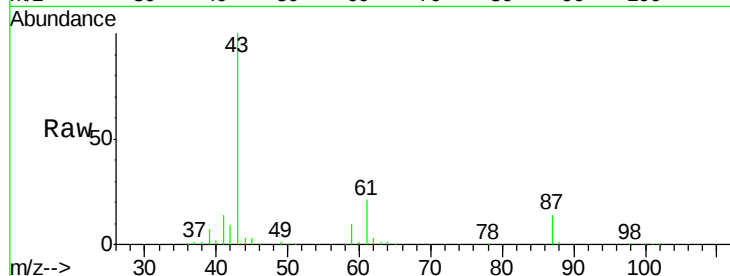
Tot Ion: 43 Resp: 354389

Ion Ratio Lower Upper

43 100

61 27.9 22.3 33.5

87 14.0 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN056700.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN056700.D (-1969) (-)

8.17

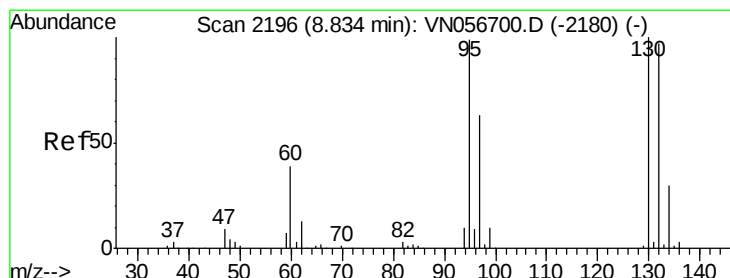
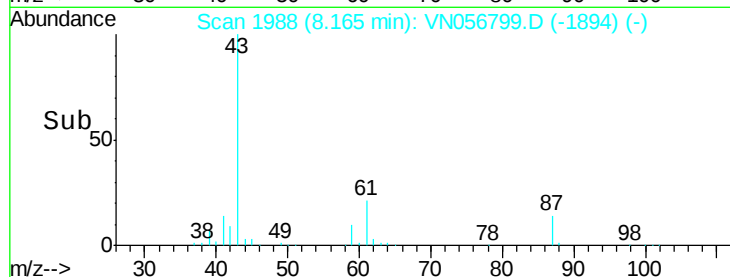
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 47.638 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056799.D

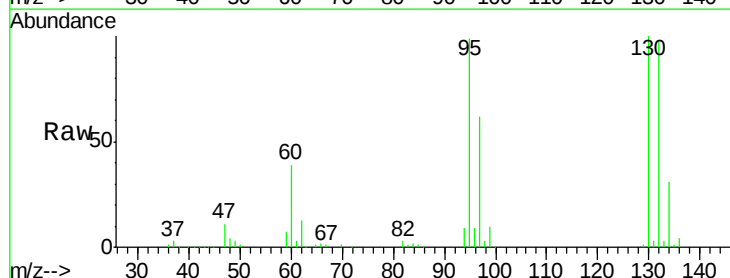
Acq: 17 Jul 2019 16:07

Tgt Ion:130 Resp: 177819

Ion Ratio Lower Upper

130 100

95 98.6 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056700.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN056700.D (-2180) (-)

8.83

100000

80000

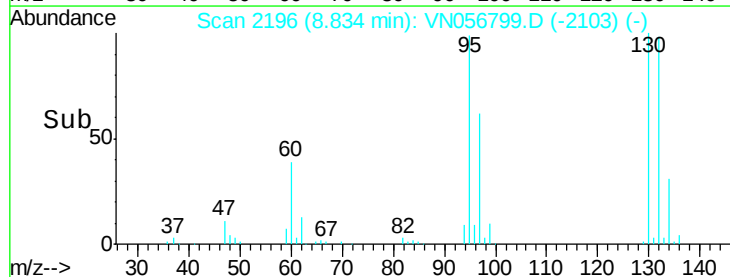
60000

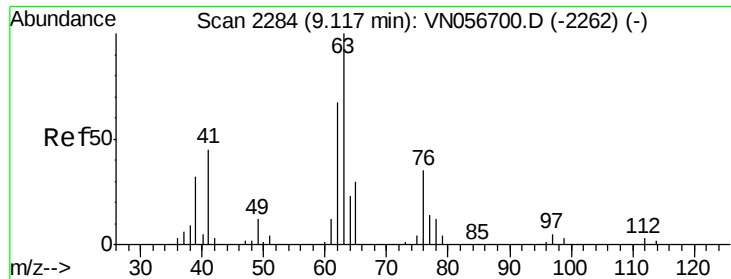
40000

20000

0

Time--> 8.80 8.85 8.90 8.95 9.00





#45

1,2-Dichloropropane

Concen: 48.929 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

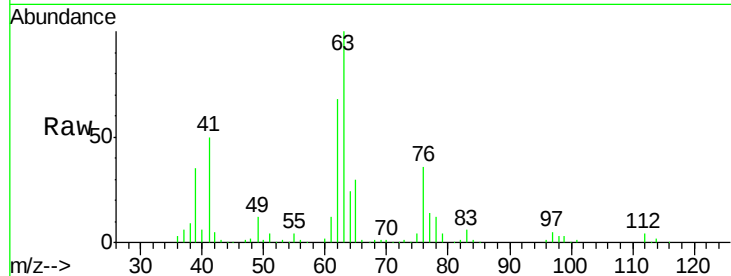
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 178712

Ion Ratio Lower Upper

63 100

65 29.9 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

100000

80000

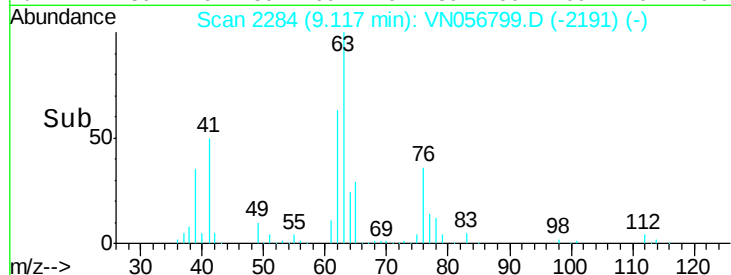
60000

40000

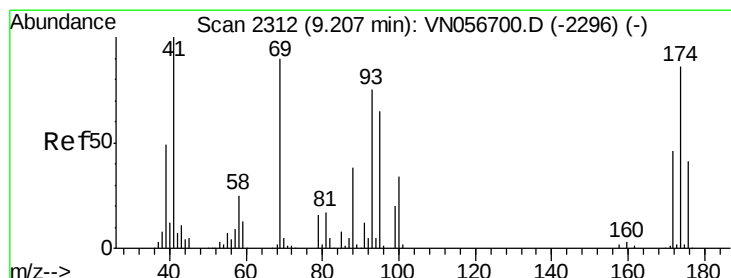
20000

0

Time-->



Time-->



#46

Dibromomethane

Concen: 49.774 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

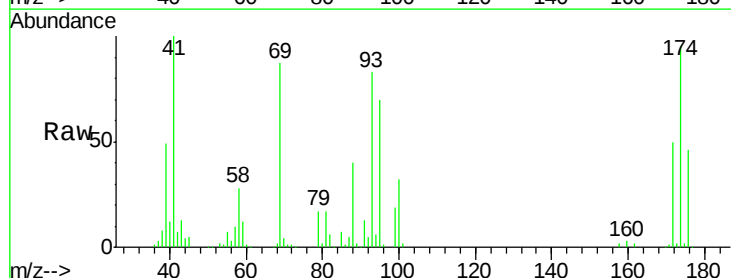
Tgt Ion: 93 Resp: 112660

Ion Ratio Lower Upper

93 100

95 84.1 67.4 101.0

174 114.8 90.3 135.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

80000

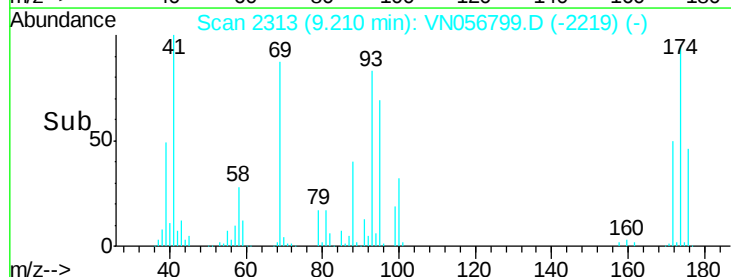
60000

40000

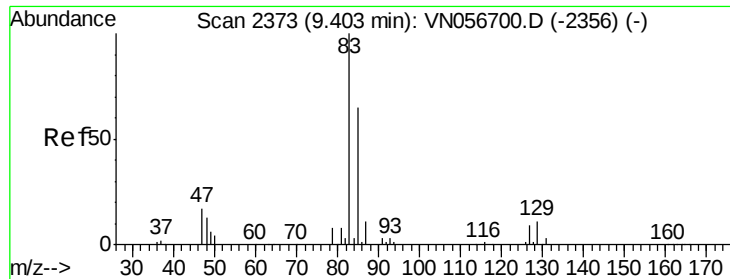
20000

0

Time-->



Time-->



#47

Bromodichloromethane

Concen: 49.938 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampled :

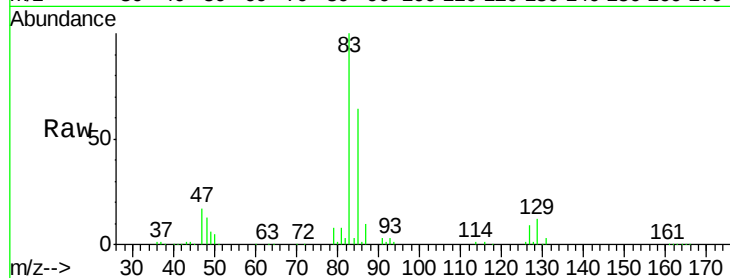
Tot Ion: 83 Resp: 214790

Ion Ratio Lower Upper

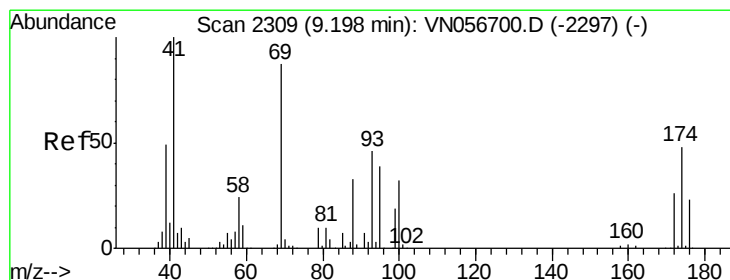
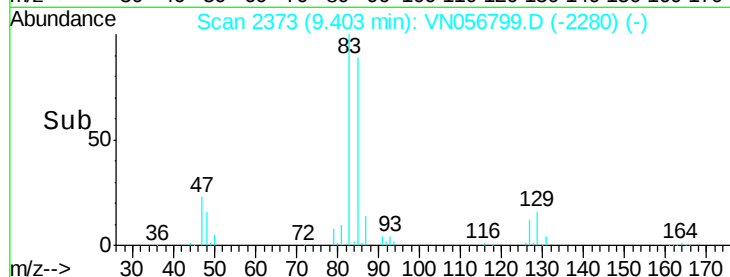
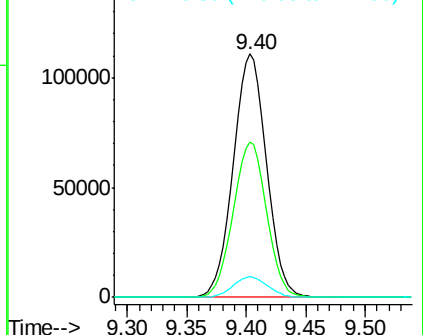
83 100

85 63.9 52.3 78.5

127 8.5 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.125 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

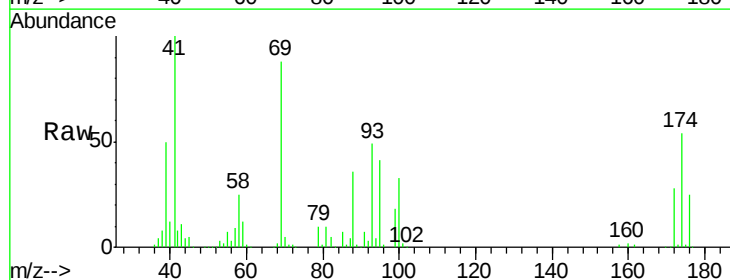
Tgt Ion: 41 Resp: 171859

Ion Ratio Lower Upper

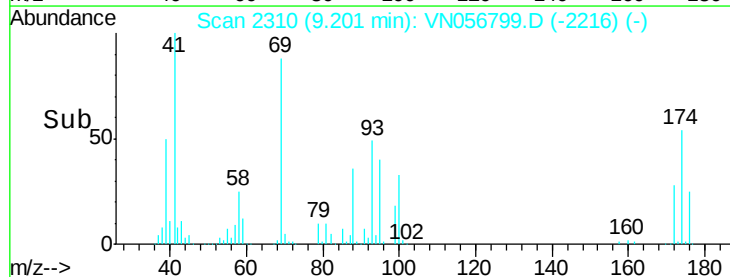
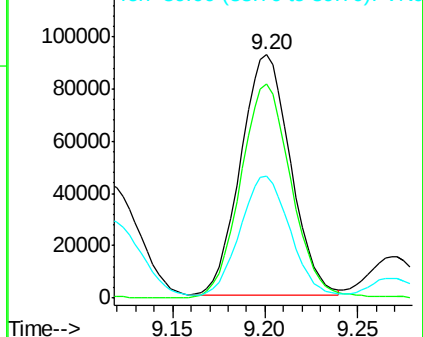
41 100

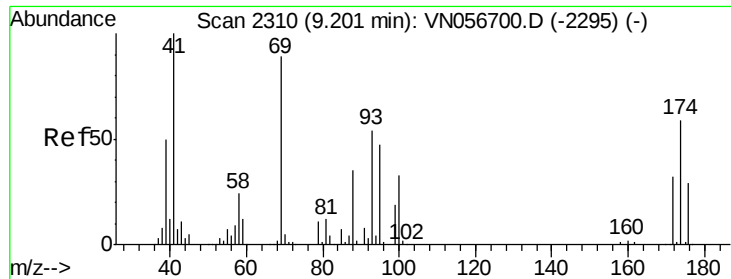
69 90.8 71.4 107.0

39 51.4 41.2 61.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

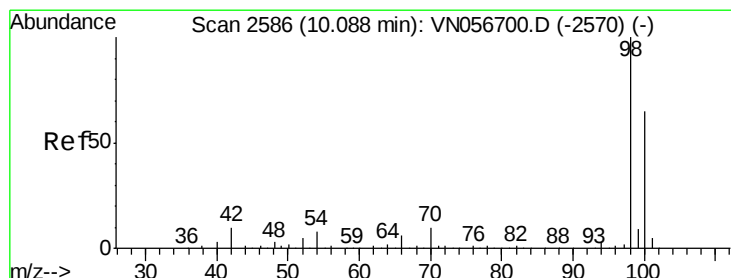
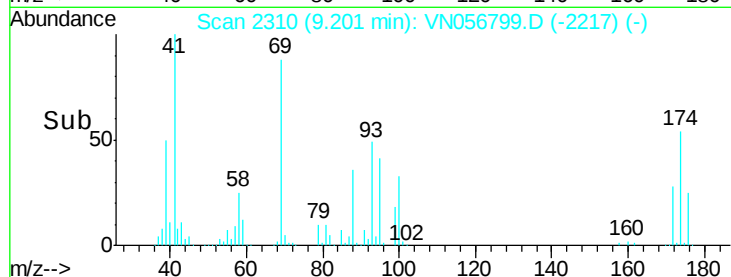
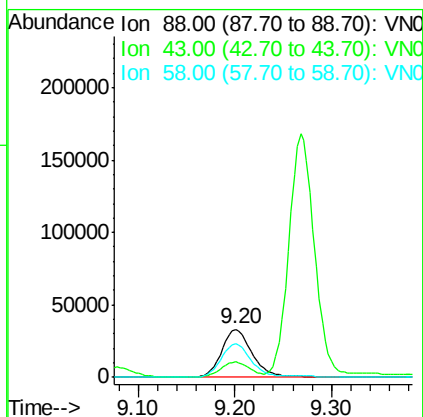
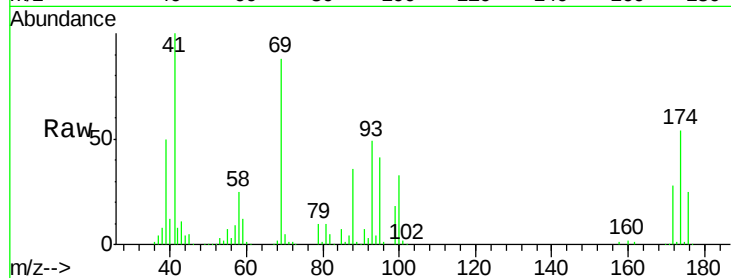




#49
1,4-Dioxane
Concen: 1064.358 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

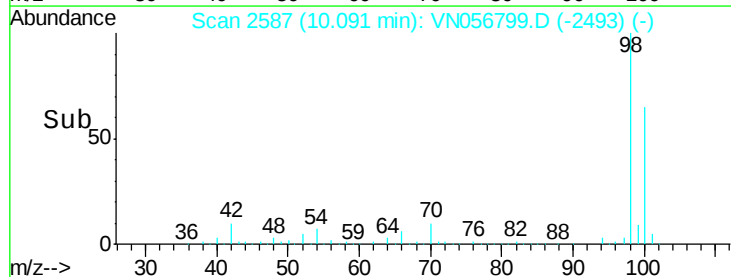
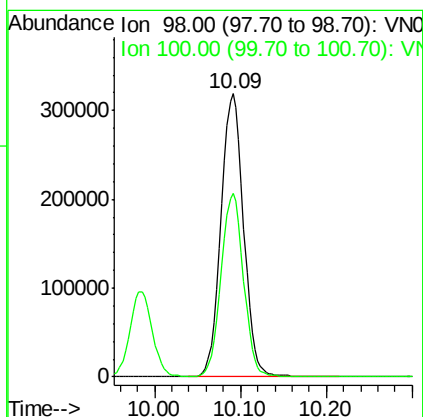
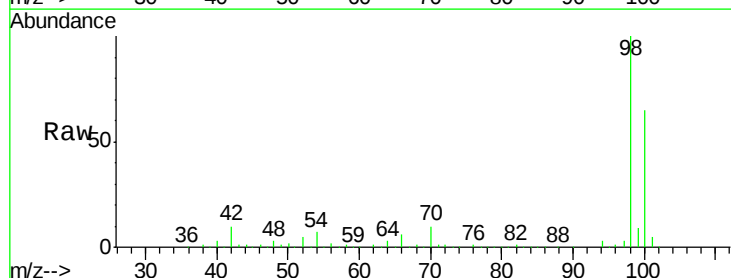
Instrument :
MSVOA_N
ClientSampled :

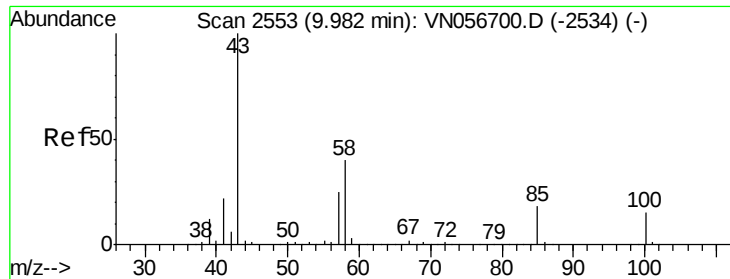
Tot Ion: 88 Resp: 73415
Ion Ratio Lower Upper
88 100
43 29.0 23.7 35.5
58 68.4 55.6 83.4



#50
Toluene-d8
Concen: 50.089 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 98 Resp: 583653
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 255.318 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

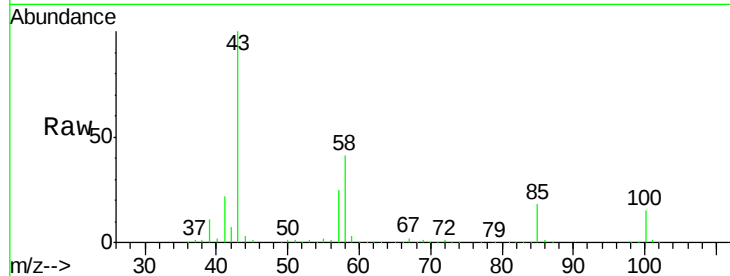
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1149448

Ion Ratio Lower Upper

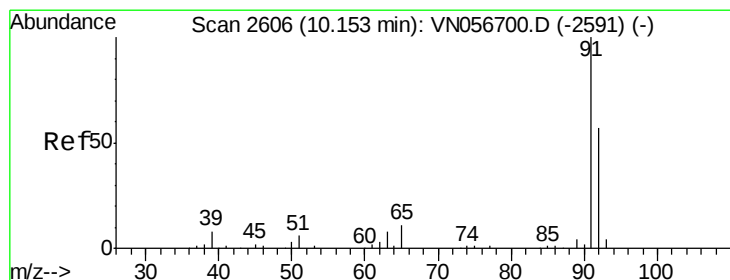
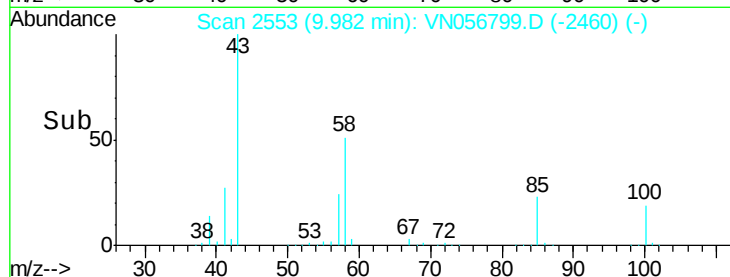
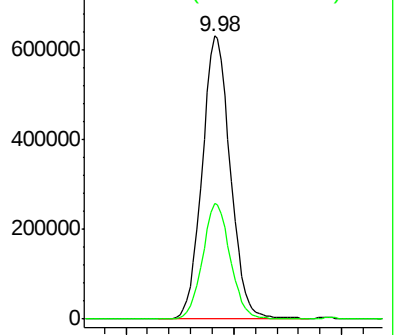
43 100

58 40.3 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.036 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056799.D

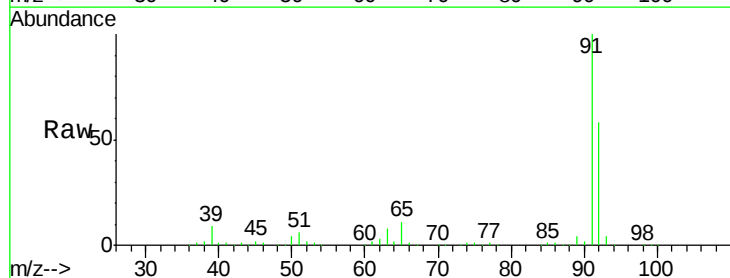
Acq: 17 Jul 2019 16:07

Tgt Ion: 92 Resp: 408460

Ion Ratio Lower Upper

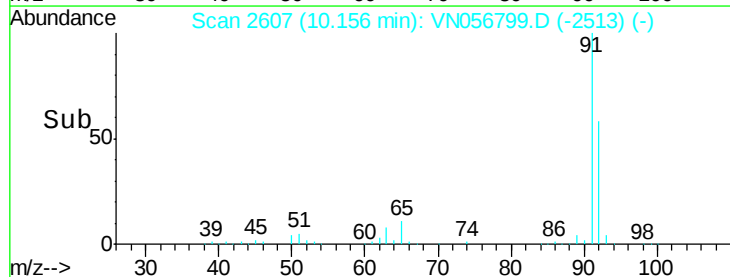
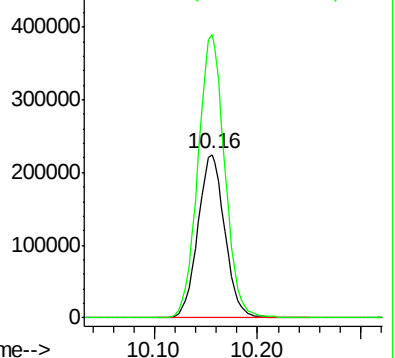
92 100

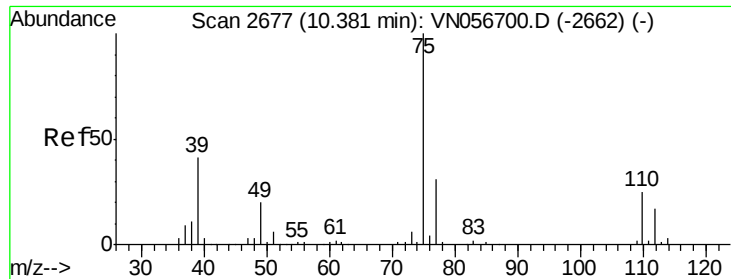
91 172.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

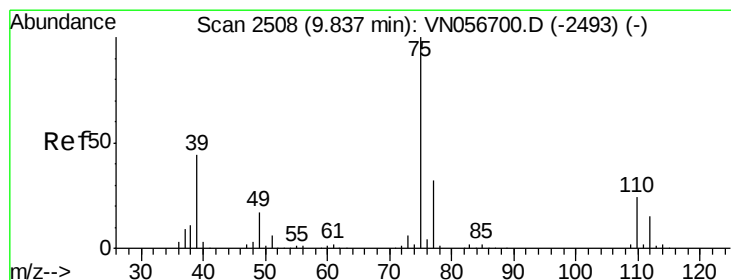
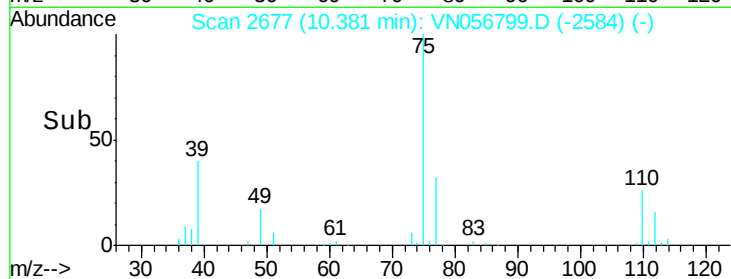
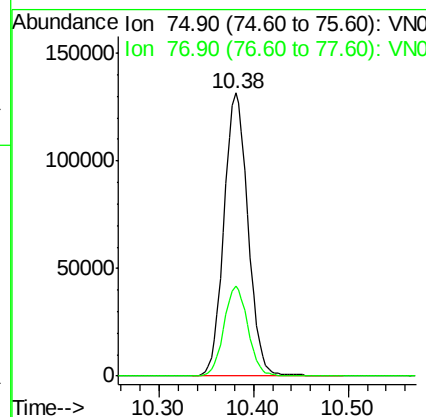
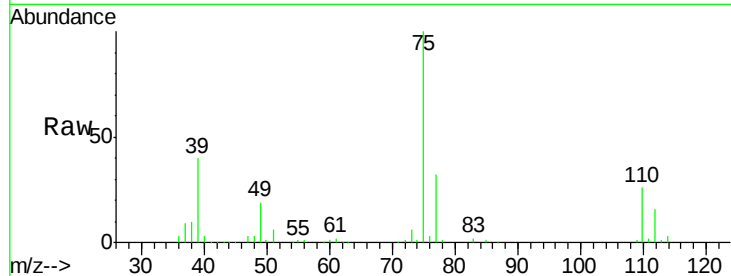




#53
t-1,3-Dichloropropene
Concen: 51.796 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

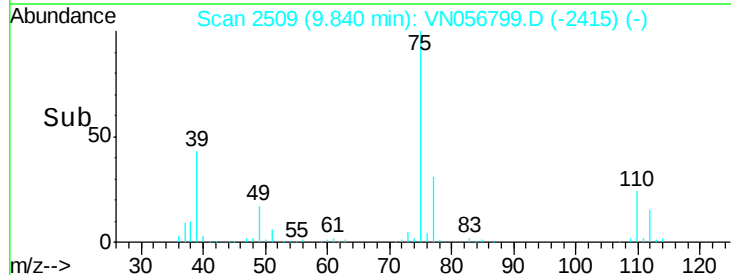
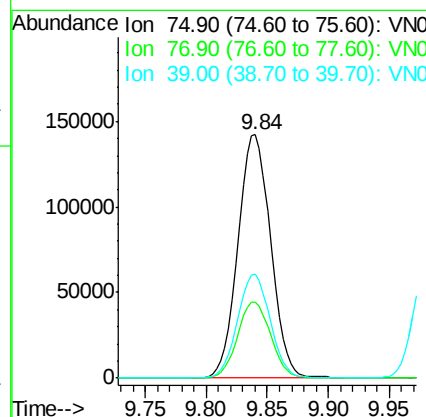
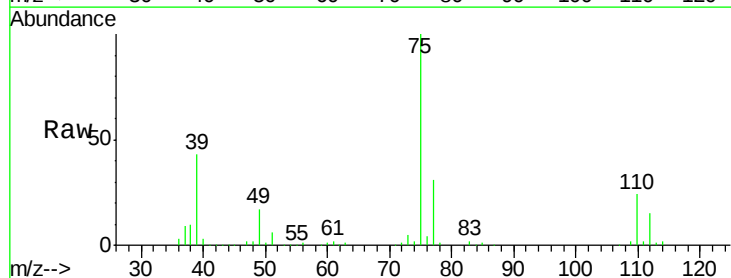
Instrument :
MSVOA_N
ClientSampleId :

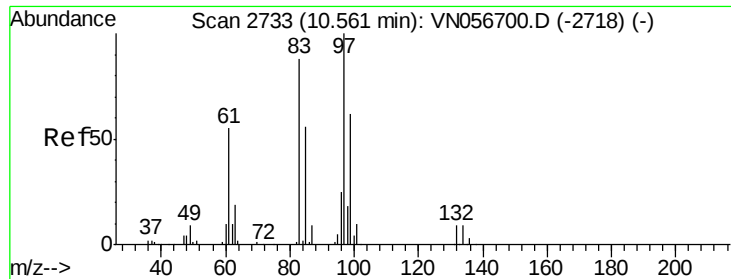
Tot Ion: 75 Resp: 232429
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 50.817 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 75 Resp: 264621
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0
39 42.6 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 48.629 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 166503

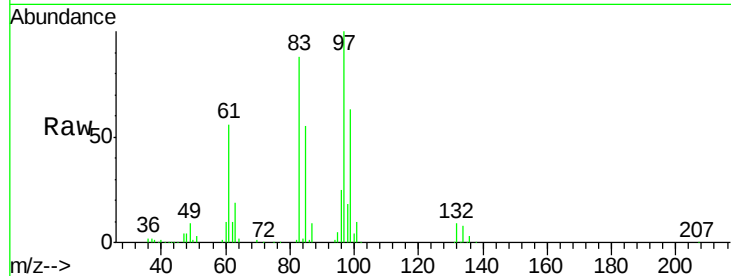
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.3	105.5
85	55.4	44.8	67.2
99	62.7	49.6	74.4

97 100

83 87.5 70.3 105.5

85 55.4 44.8 67.2

99 62.7 49.6 74.4

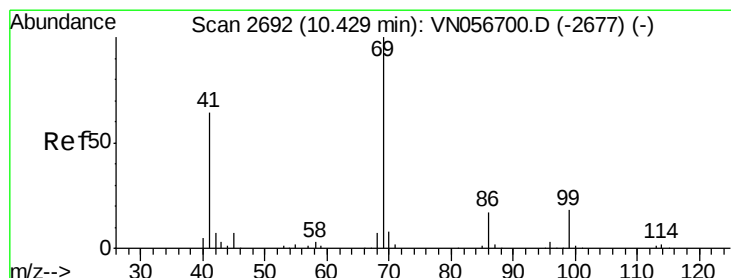
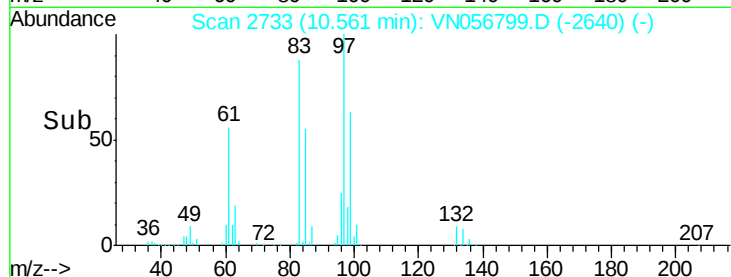
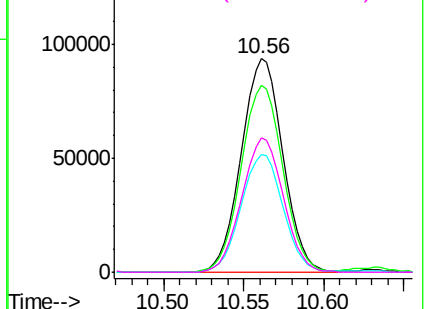


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.084 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

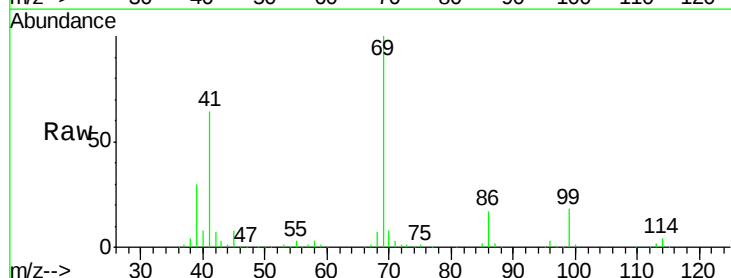
Tgt Ion: 69 Resp: 261522

Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.0	76.4
39	29.6	24.6	36.8

69 100

41 63.2 51.0 76.4

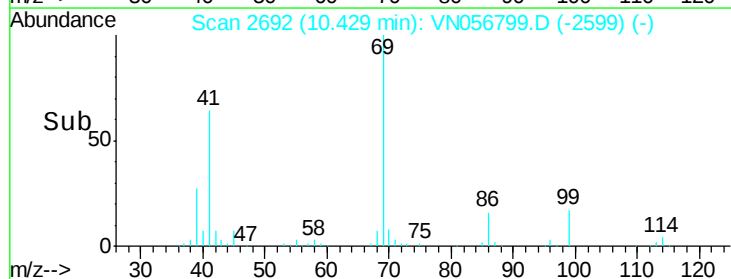
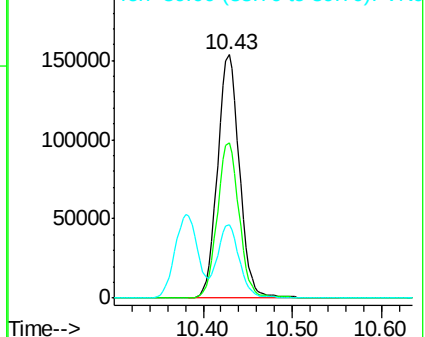
39 29.6 24.6 36.8

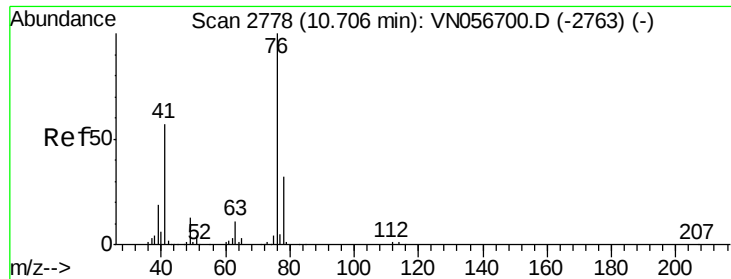


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

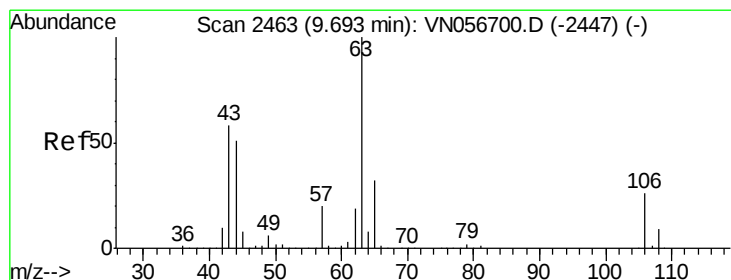
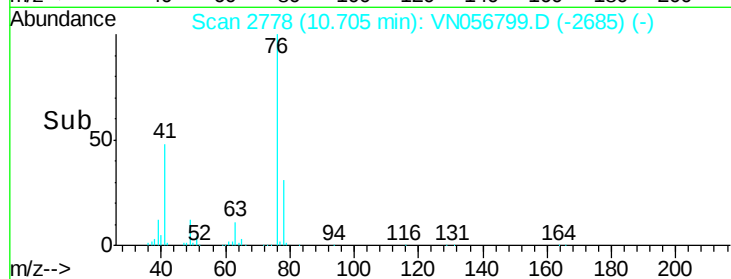
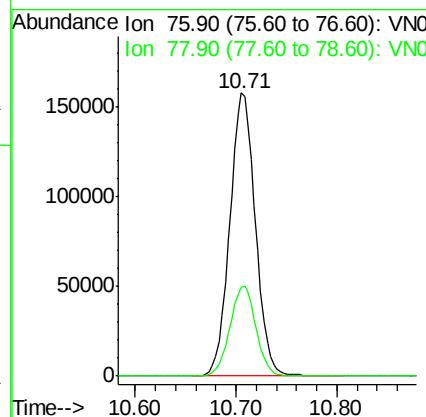
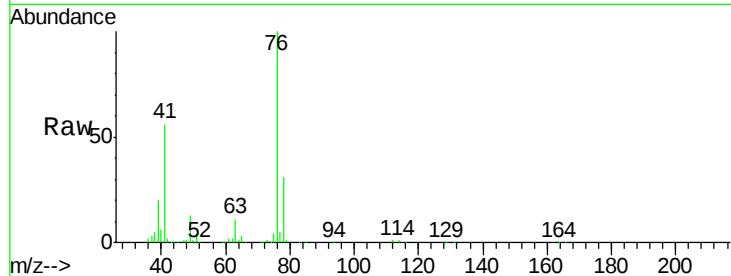




#57
 1,3-Dichloropropane
 Concen: 49.929 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

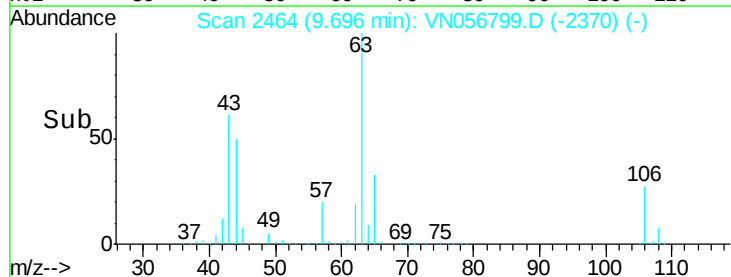
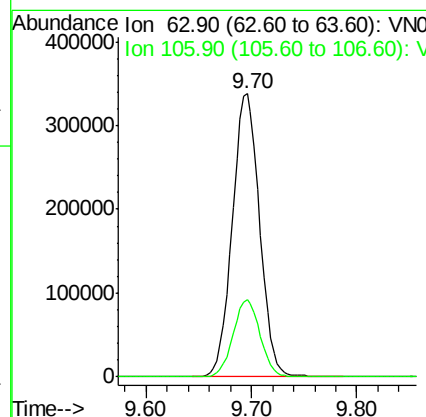
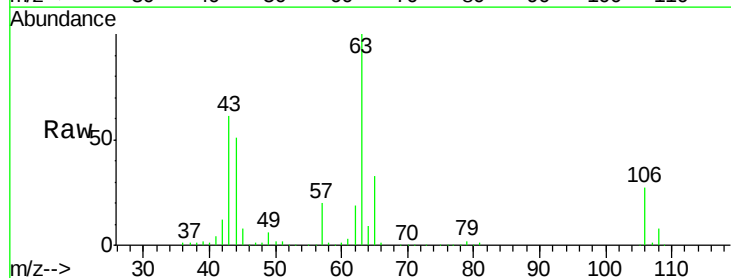
Instrument :
 MSVOA_N
 ClientSampled :

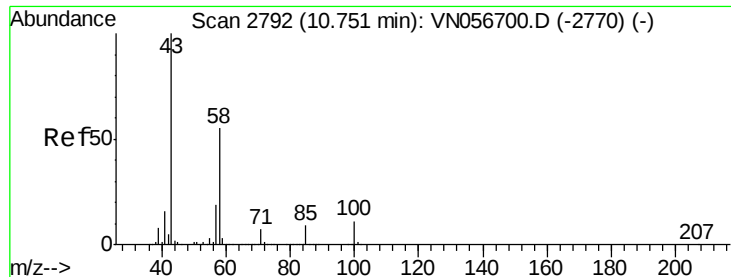
Tot Ion: 76 Resp: 279209
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.682 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion: 63 Resp: 603353
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.2 31.8

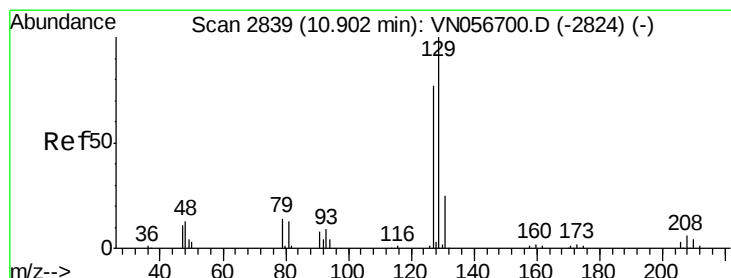
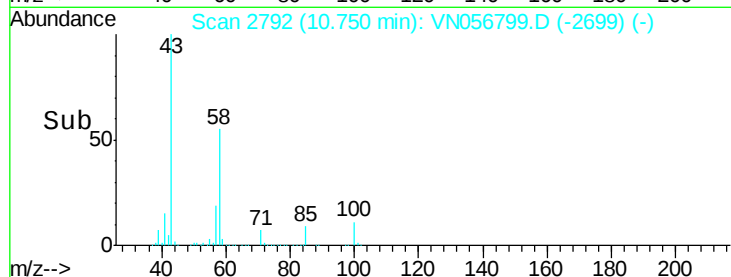
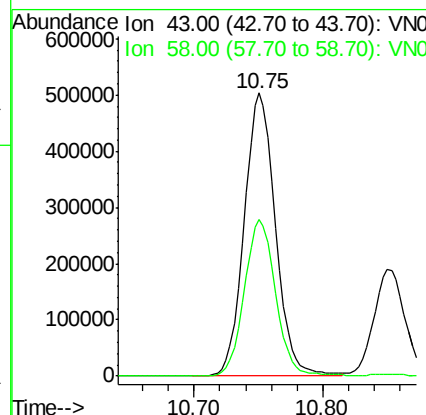
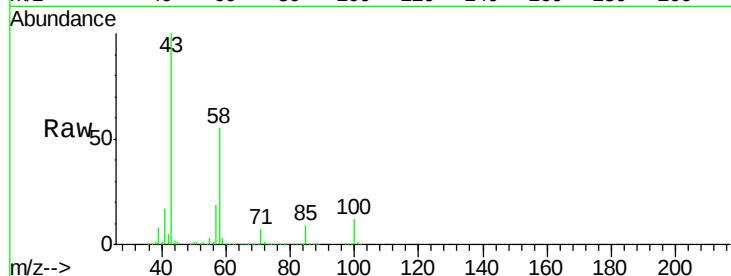




#59
2-Hexanone
Concen: 261.785 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

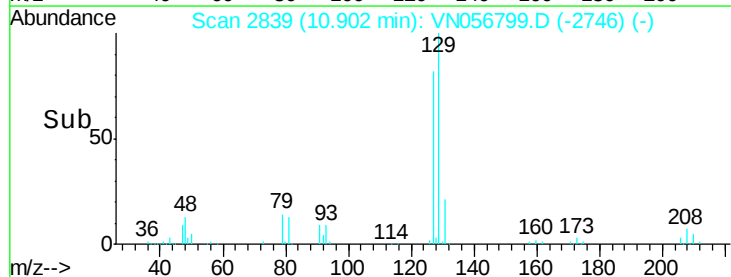
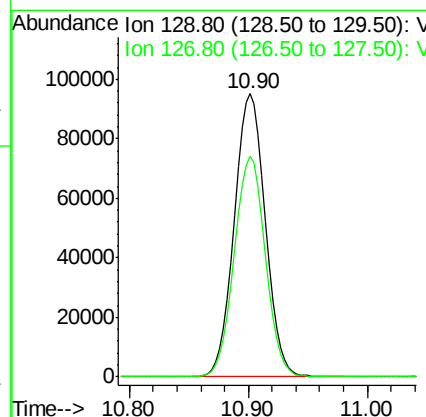
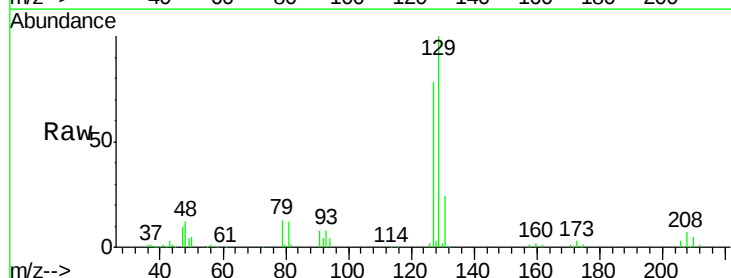
Instrument :
MSVOA_N
ClientSampled :

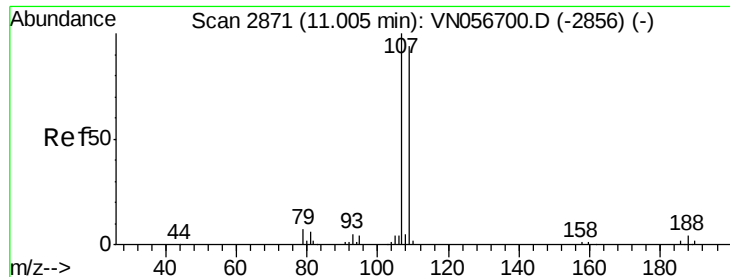
Tot Ion: 43 Resp: 845659
Ion Ratio Lower Upper
43 100
58 55.7 27.9 83.6



#60
Dibromochloromethane
Concen: 51.126 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 129 Resp: 172160
Ion Ratio Lower Upper
129 100
127 78.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 51.207 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

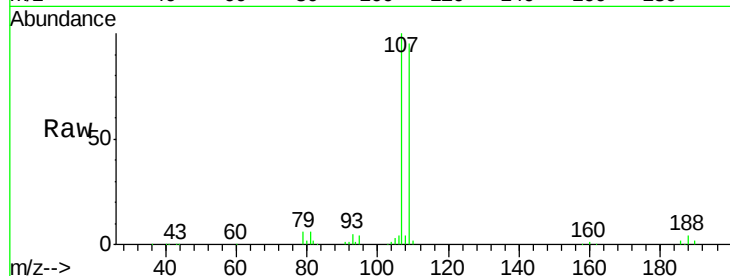
ClientSampled :

Tot Ion:107 Resp: 174243

Ion Ratio Lower Upper

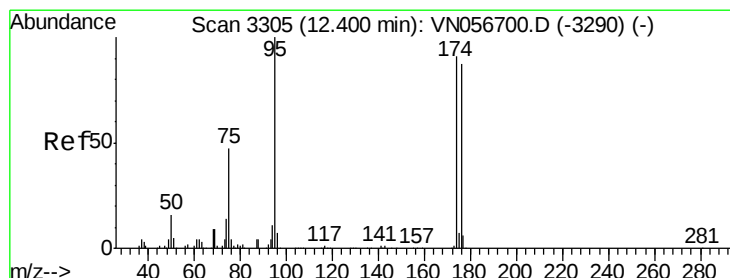
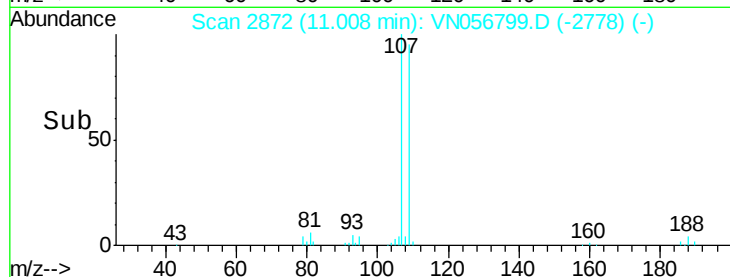
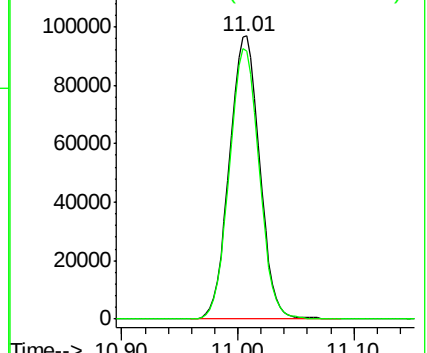
107 100

109 94.6 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.242 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

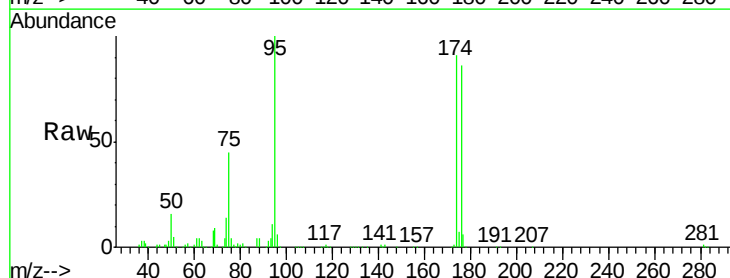
Tgt Ion: 95 Resp: 201359

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.0

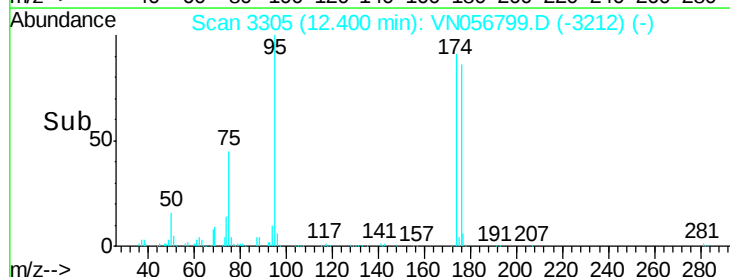
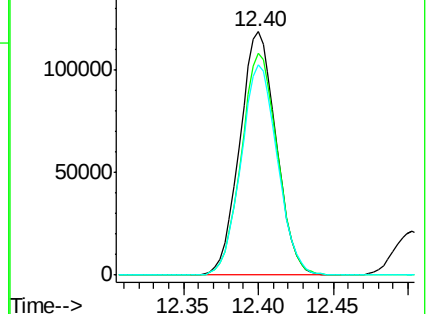
176 86.5 0.0 173.2

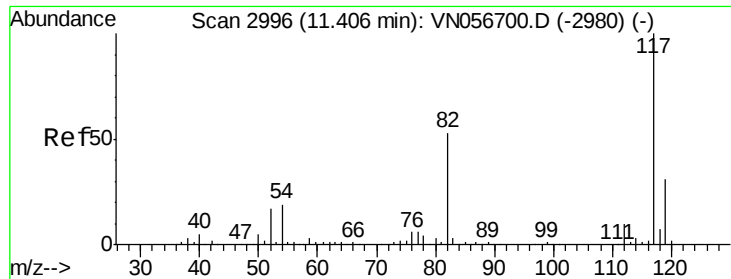


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

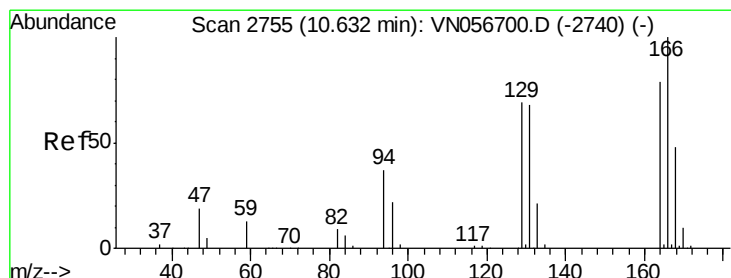
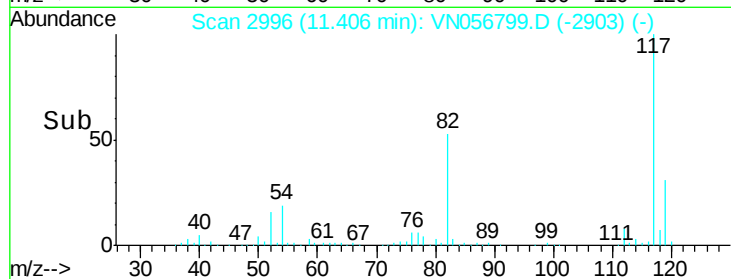
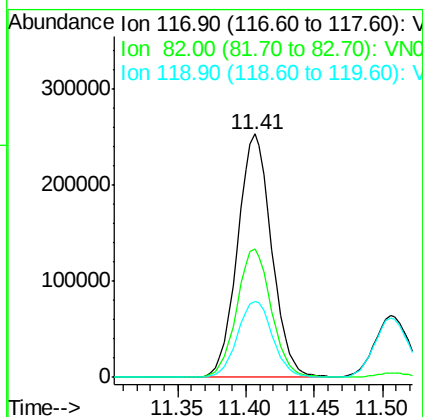
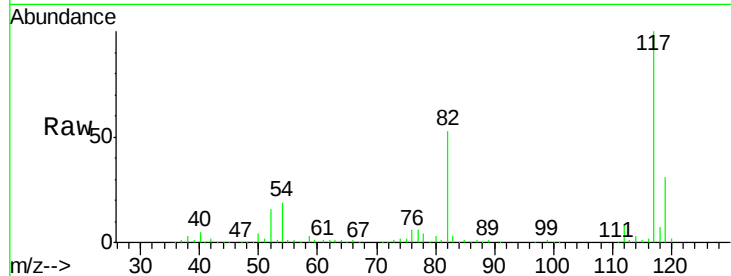




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

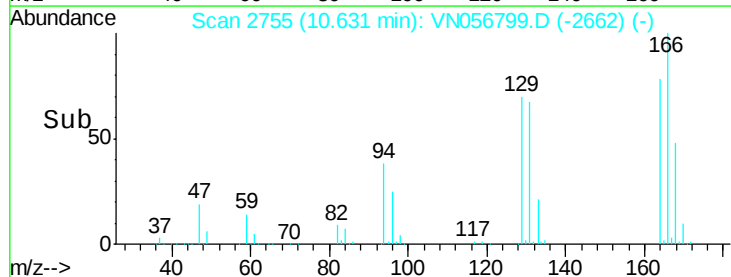
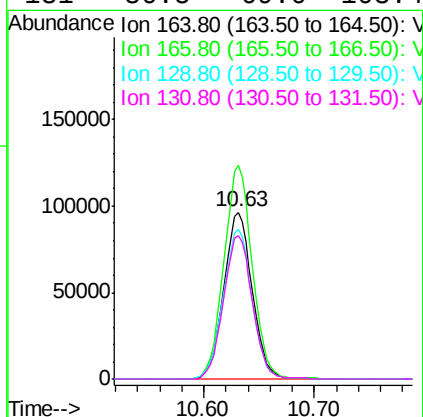
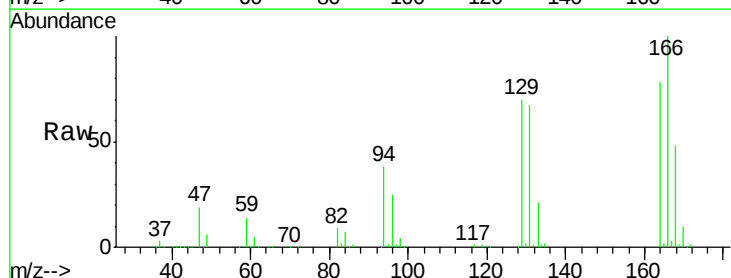
Instrument :
MSVOA_N
ClientSampleId :

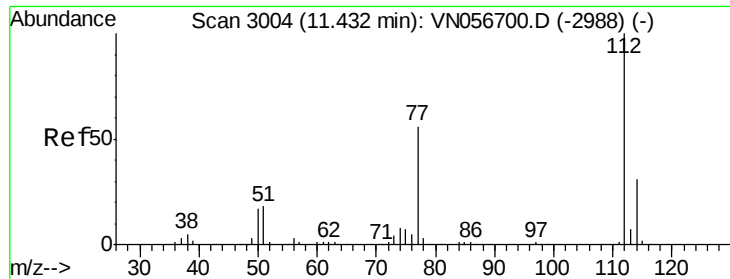
Tot Ion:117 Resp: 439331
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.2
119 31.4 25.2 37.8



#64
Tetrachloroethene
Concen: 45.325 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion:164 Resp: 171790
Ion Ratio Lower Upper
164 100
166 128.3 101.4 152.2
129 89.9 69.6 104.4
131 86.5 69.0 103.4





#65

Chlorobenzene

Concen: 48.510 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

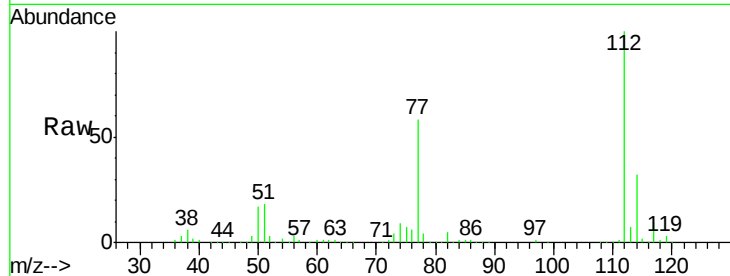
ClientSampled :

Tot Ion:112 Resp: 435768

Ion Ratio Lower Upper

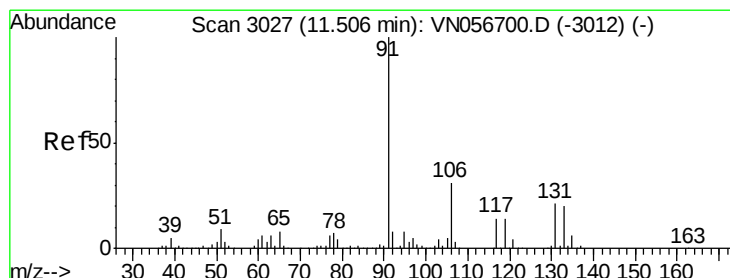
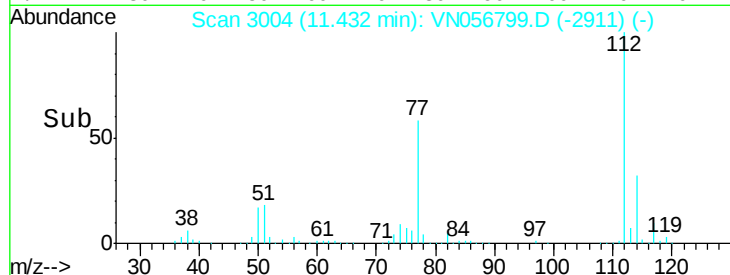
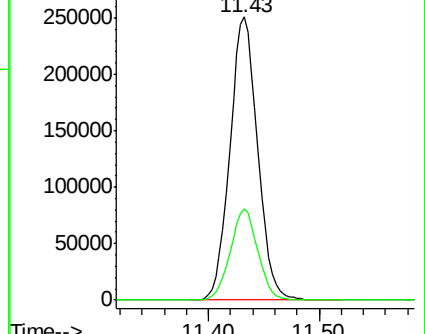
112 100

114 32.1 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.131 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

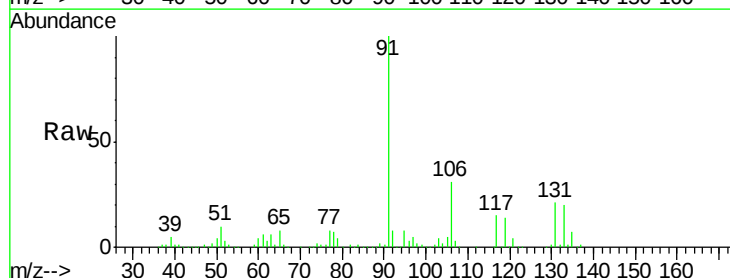
Tgt Ion:131 Resp: 162501

Ion Ratio Lower Upper

131 100

133 94.2 46.9 140.7

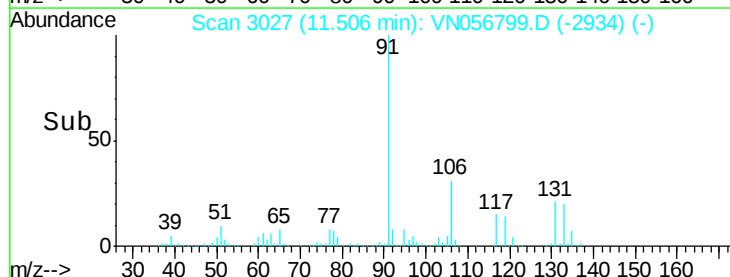
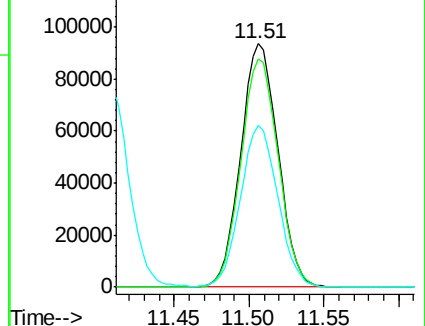
119 66.6 32.8 98.3

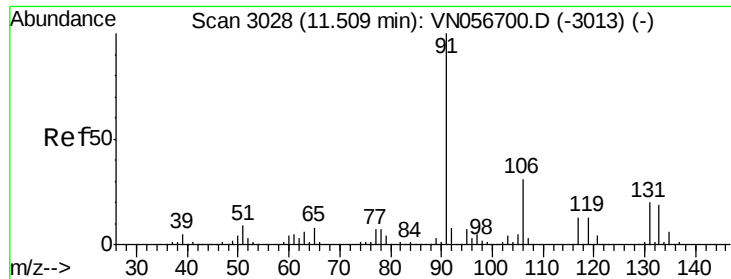


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

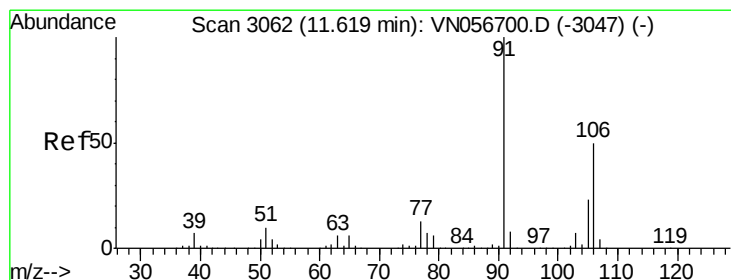
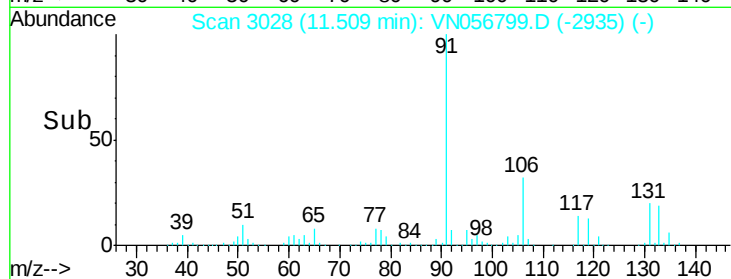
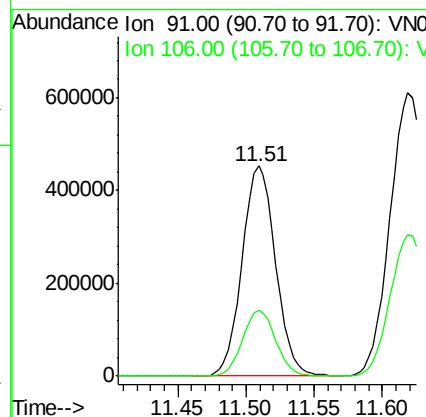
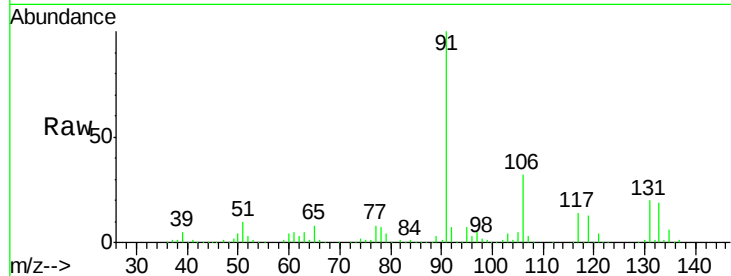




#67
Ethyl Benzene
Concen: 48.884 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

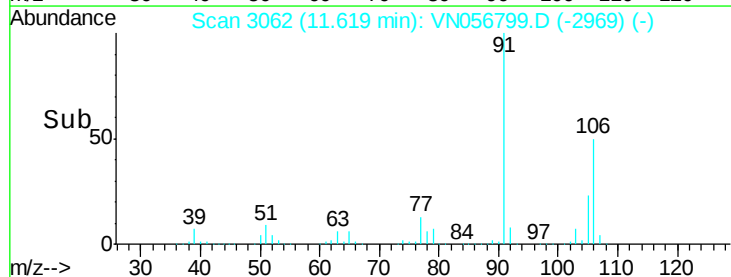
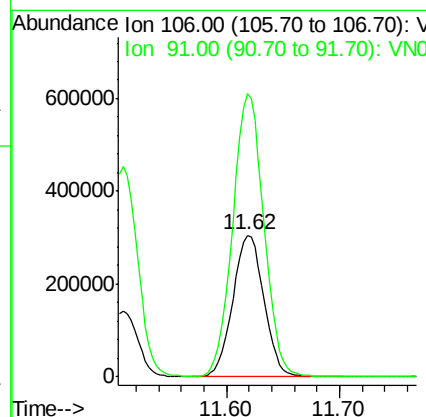
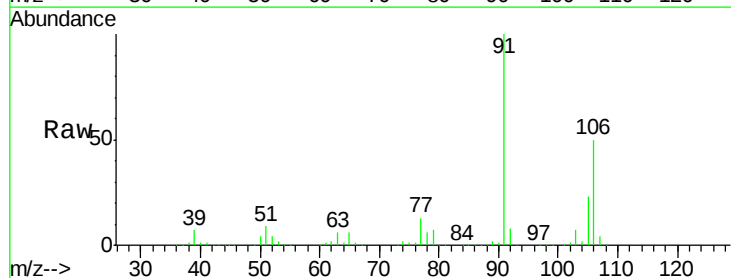
Instrument :
MSVOA_N
ClientSampled :

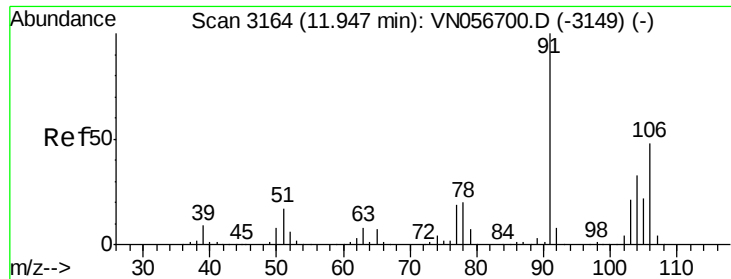
Tot Ion: 91 Resp: 771740
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2



#68
m/p-Xylenes
Concen: 99.179 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 106 Resp: 585157
Ion Ratio Lower Upper
106 100
91 199.8 160.5 240.7

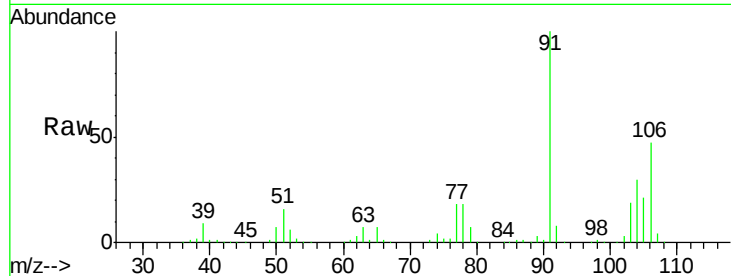




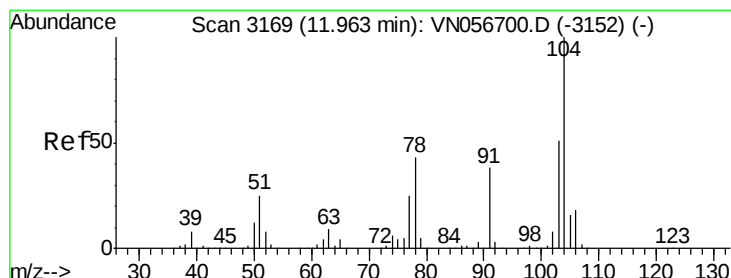
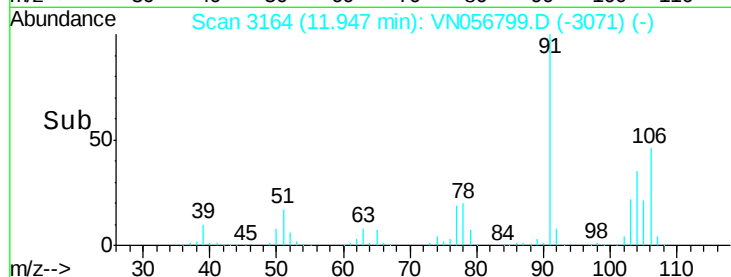
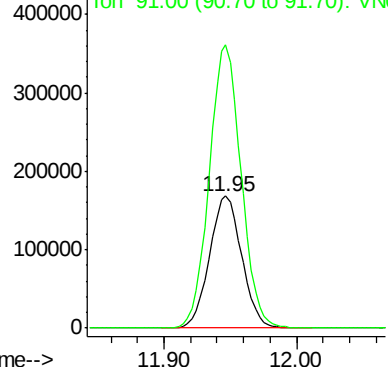
#69
o-Xylene
Concen: 48.842 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 283304
Ion Ratio Lower Upper
106 100
91 211.7 105.6 316.8

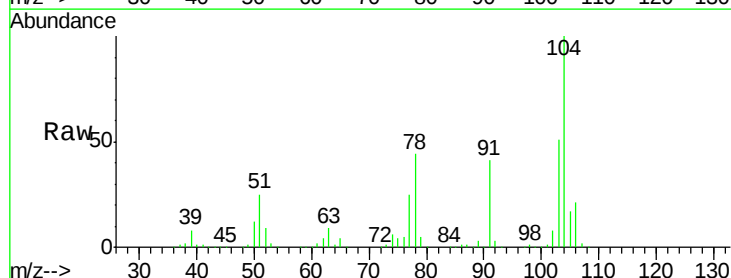


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

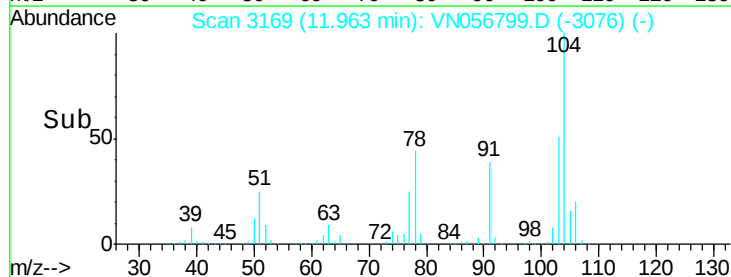
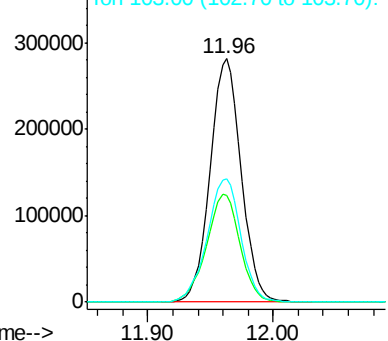


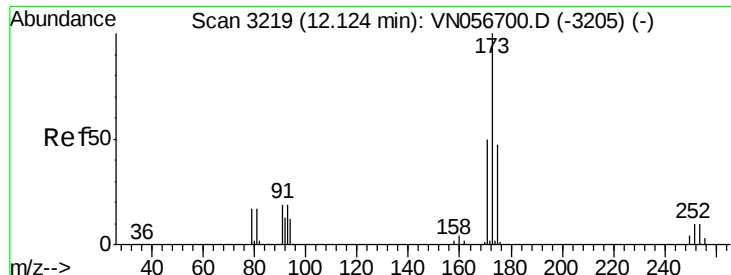
#70
Styrene
Concen: 51.634 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion:104 Resp: 484203
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.1 44.2 66.4



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

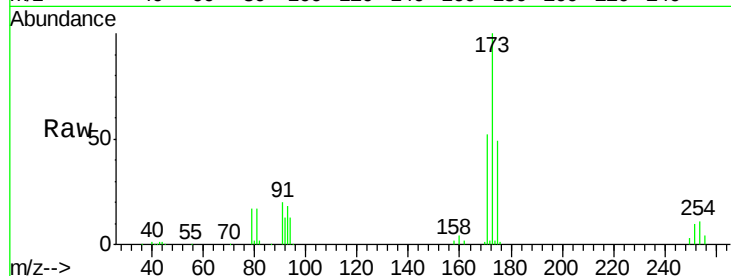




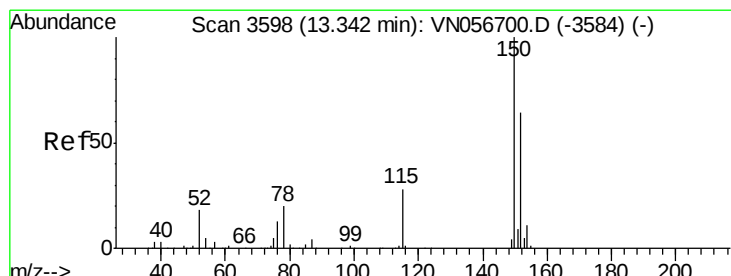
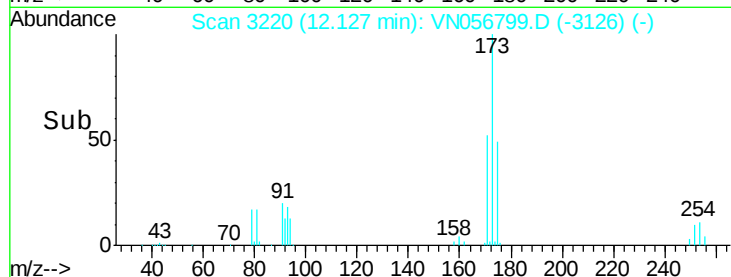
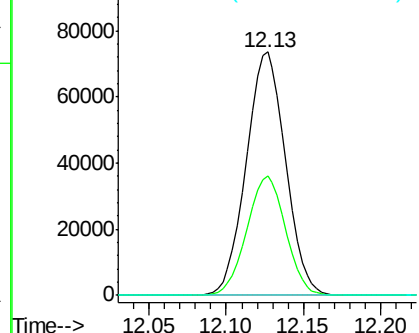
#71
Bromoform
Concen: 51.689 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 130080
Ion Ratio Lower Upper
173 100
175 48.2 23.8 71.4
254 0.0 0.0 0.0

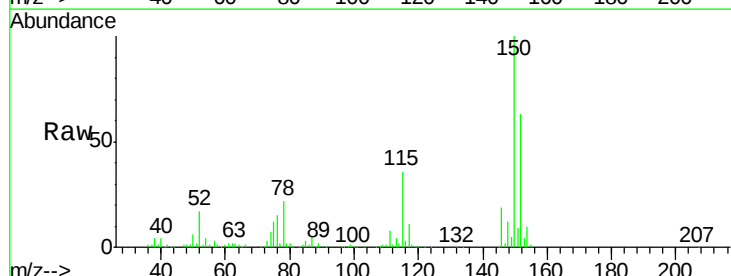


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

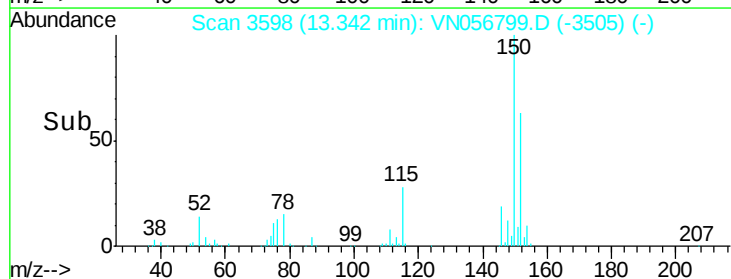
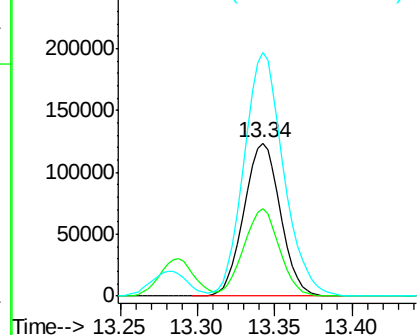


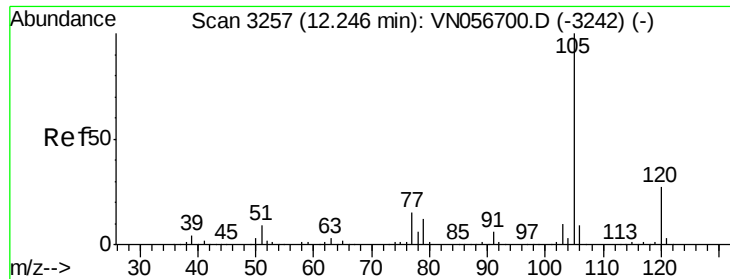
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion:152 Resp: 203162
Ion Ratio Lower Upper
152 100
115 56.1 28.2 84.7
150 172.2 0.0 345.8



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





#73

Isopropylbenzene

Concen: 46.045 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

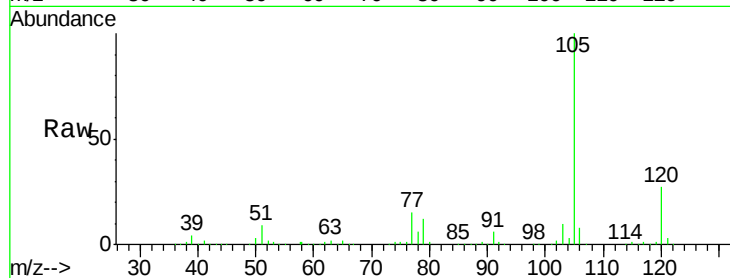
ClientSampleId :

Tot Ion:105 Resp: 754275

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

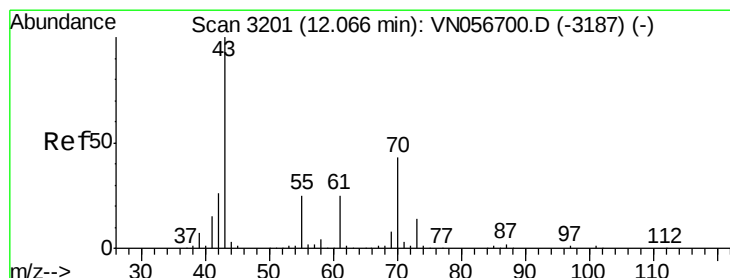
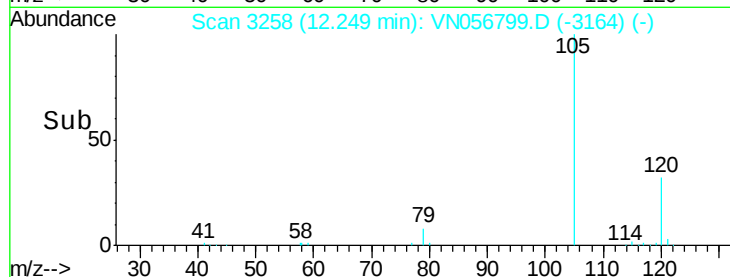
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 48.078 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion: 43 Resp: 293314

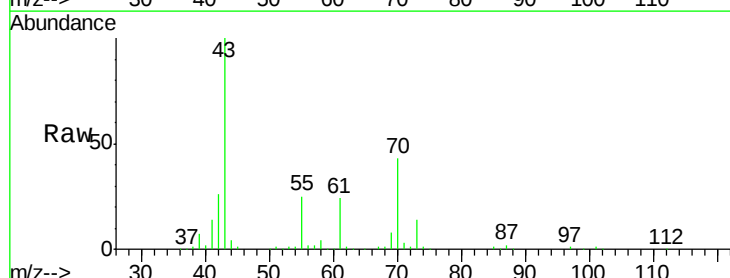
Ion Ratio Lower Upper

43 100

70 43.7 34.5 51.7

55 25.9 20.2 30.2

61 24.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

300000

250000

200000

150000

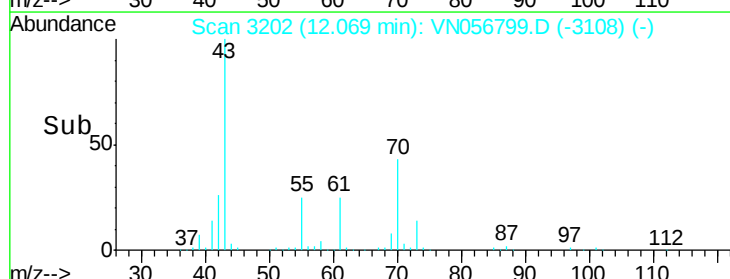
100000

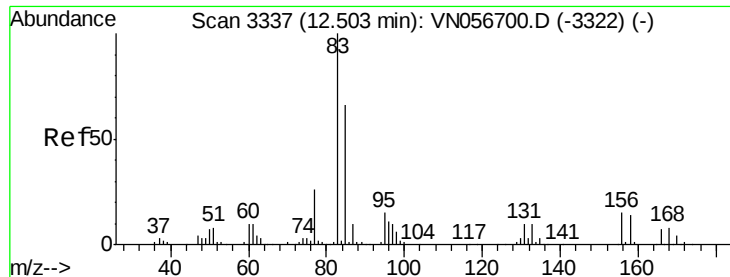
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 51.162 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

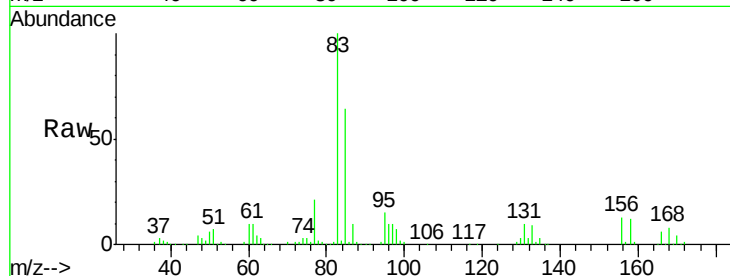
Tot Ion: 83 Resp: 242474

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

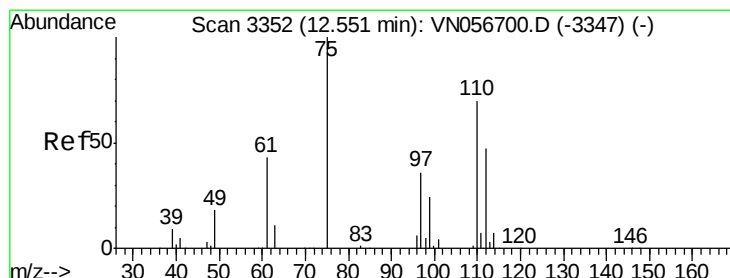
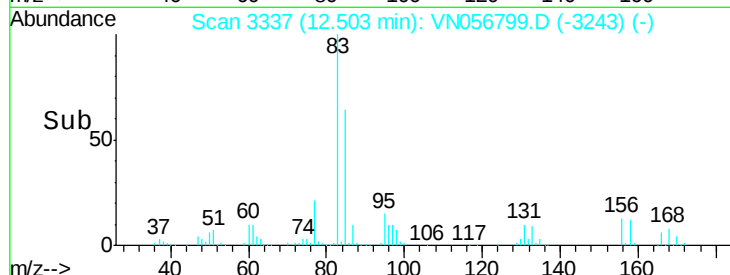
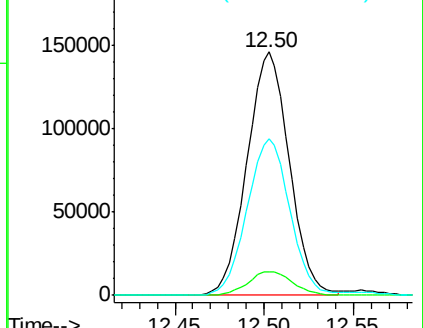
85 64.9 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN056799.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056799.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056799.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 67.988 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056799.D

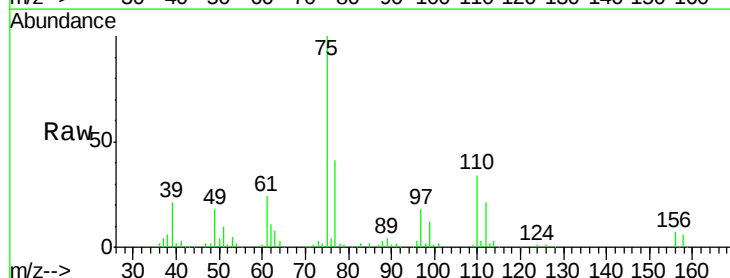
Acq: 17 Jul 2019 16:07

Tgt Ion: 75 Resp: 302103

Ion Ratio Lower Upper

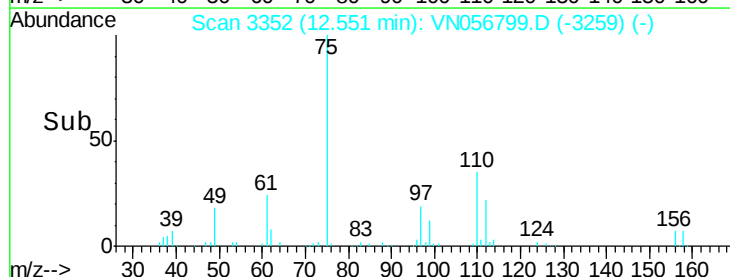
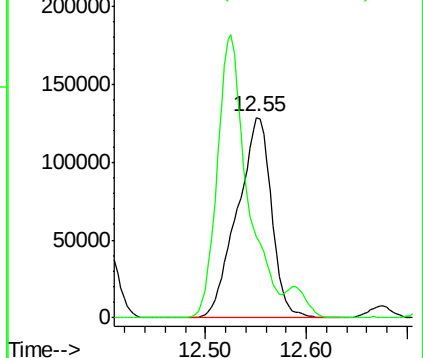
75 100

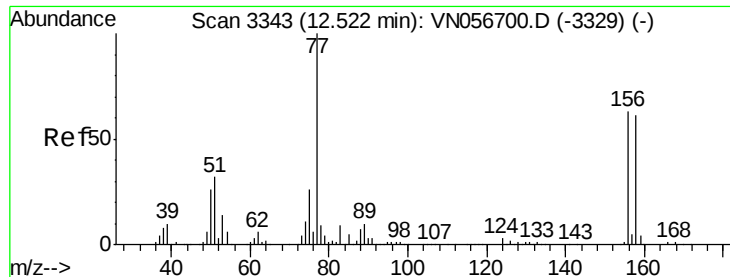
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056799.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056799.D (-3259) (-)





#77

Bromobenzene

Concen: 46.363 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

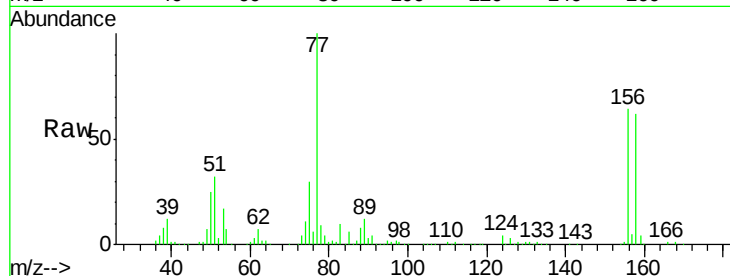
Tot Ion:156 Resp: 198648

Ion Ratio Lower Upper

156 100

77 190.9 97.2 291.6

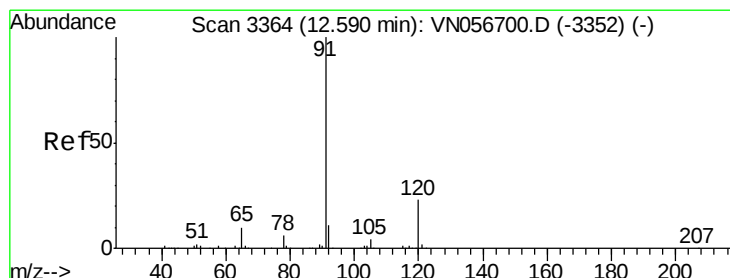
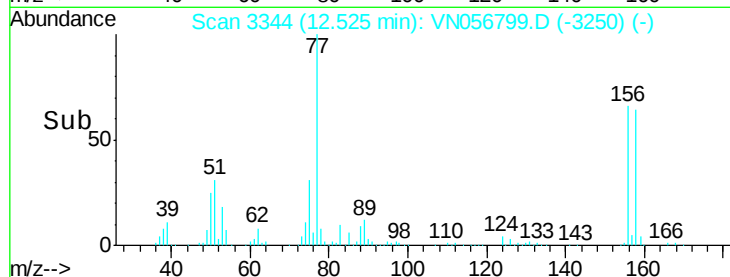
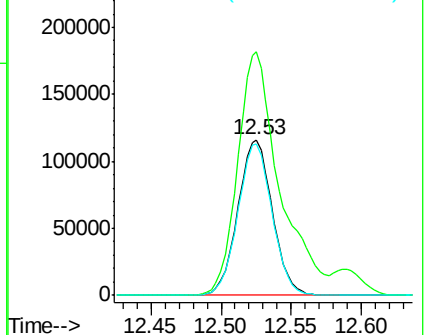
158 96.7 48.9 146.8



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: 46.101 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056799.D

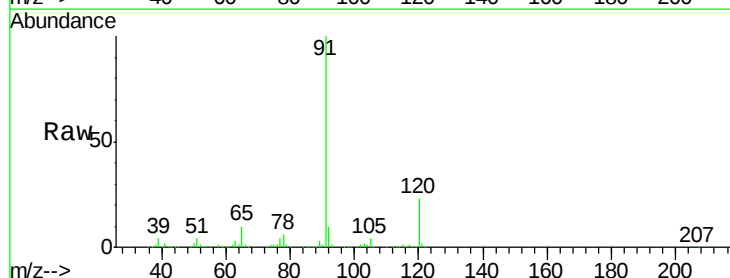
Acq: 17 Jul 2019 16:07

Tgt Ion: 91 Resp: 838400

Ion Ratio Lower Upper

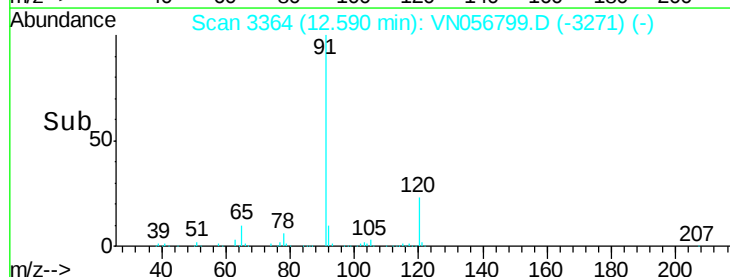
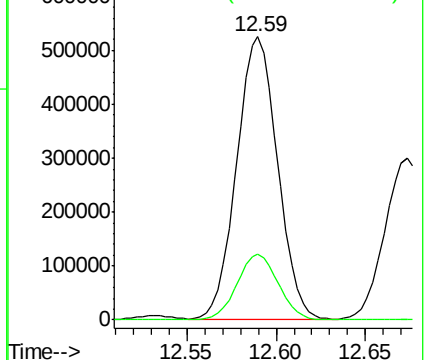
91 100

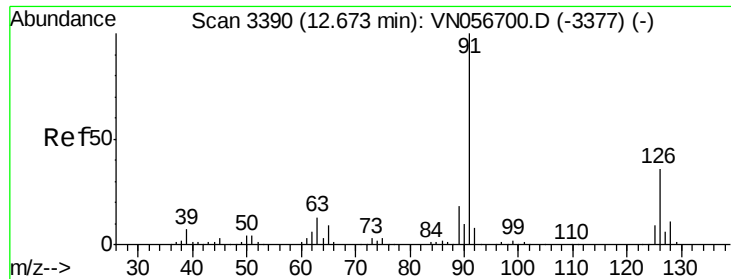
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

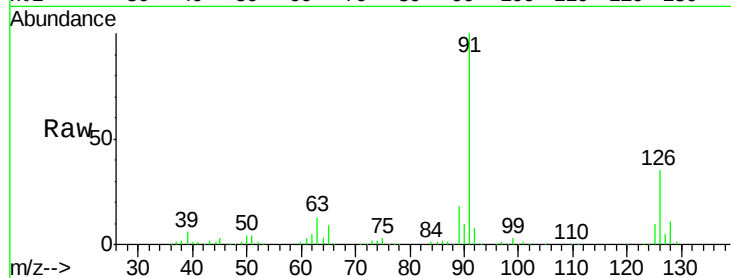




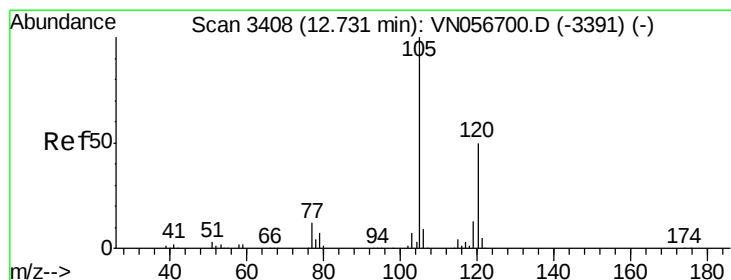
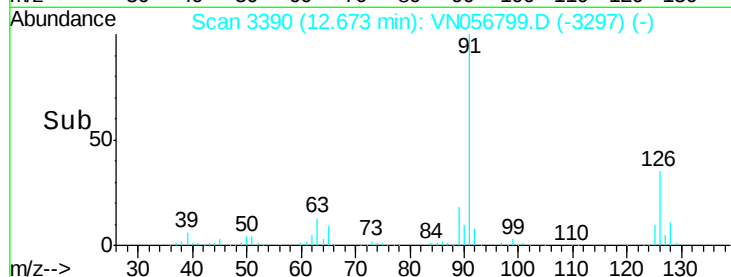
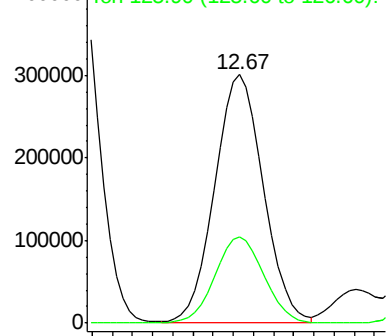
#79
2-Chlorotoluene
Concen: 50.238 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 504790
Ion Ratio Lower Upper
91 100
126 35.1 17.9 53.7

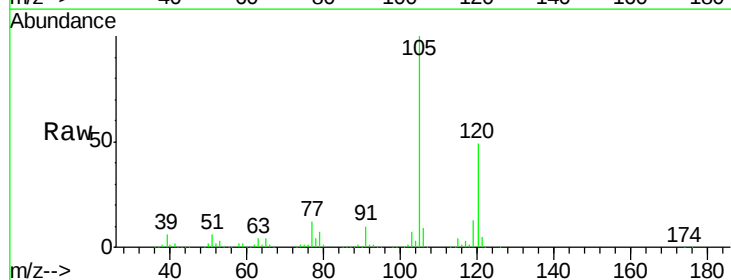


Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)
Ion 125.90 (125.60 to 126.60): VN056799.D (-3297) (-)

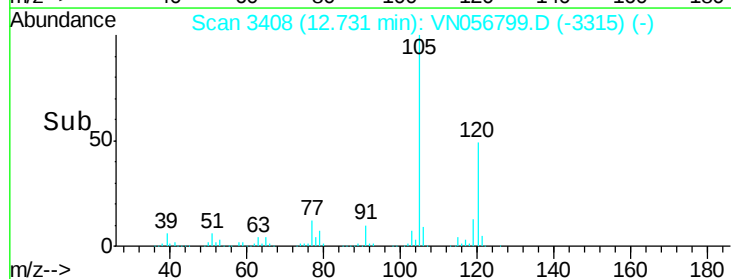
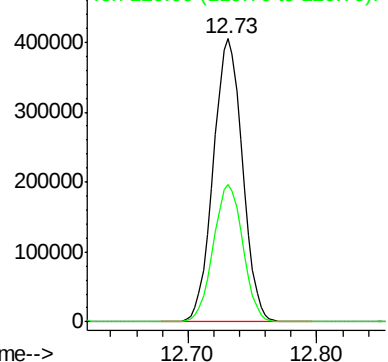


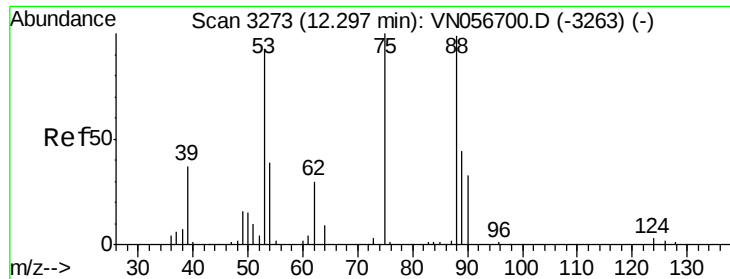
#80
1,3,5-Trimethylbenzene
Concen: 45.896 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 105 Resp: 637200
Ion Ratio Lower Upper
105 100
120 49.2 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN056799.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.385 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

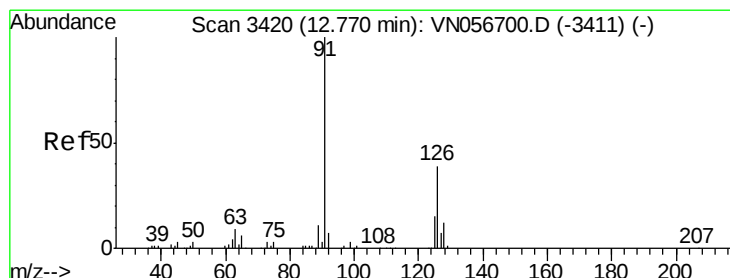
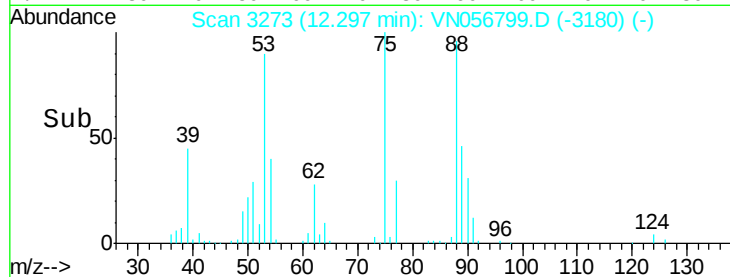
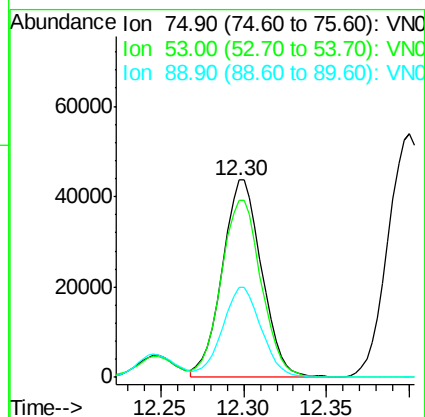
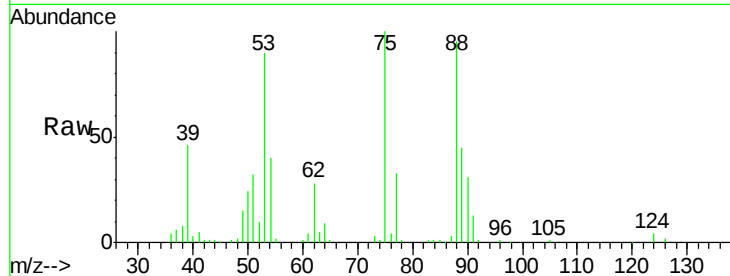
Tot Ion: 75 Resp: 72494

Ion Ratio Lower Upper

75 100

53 90.2 73.7 110.5

89 45.0 36.2 54.2



#82

4-Chlorotoluene

Concen: 46.250 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056799.D

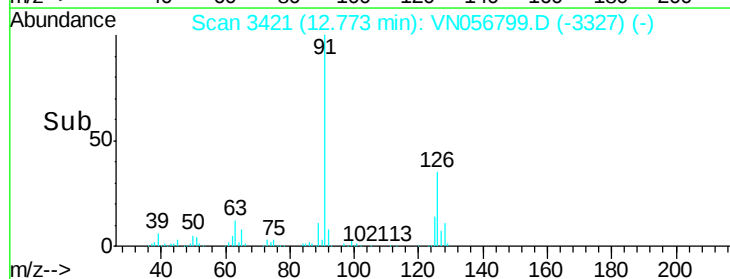
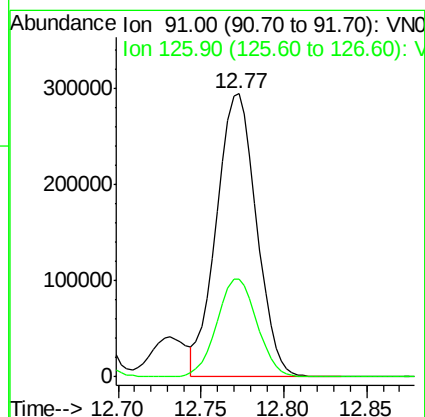
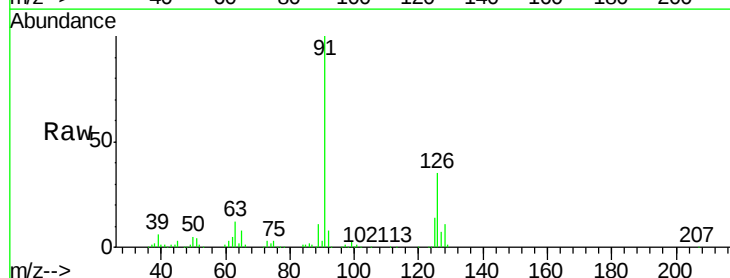
Acq: 17 Jul 2019 16:07

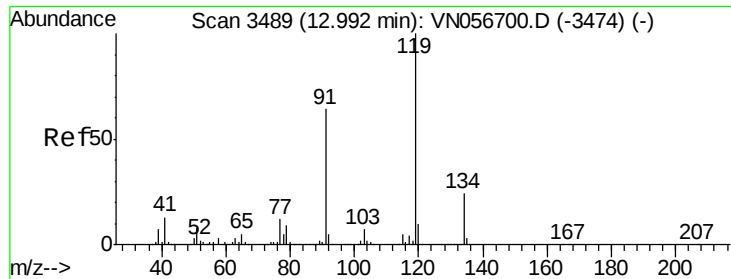
Tgt Ion: 91 Resp: 493605

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8

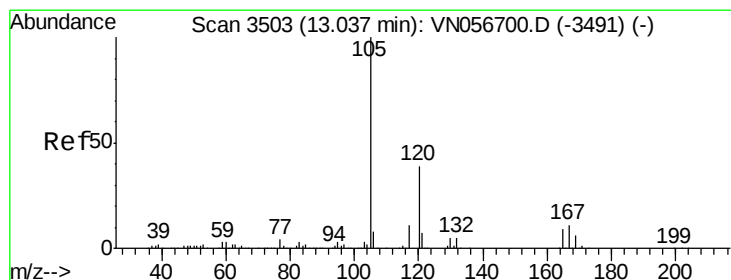
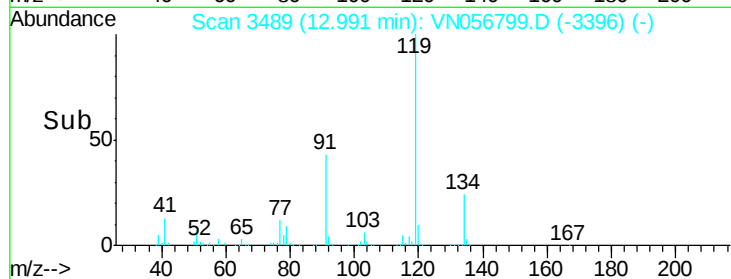
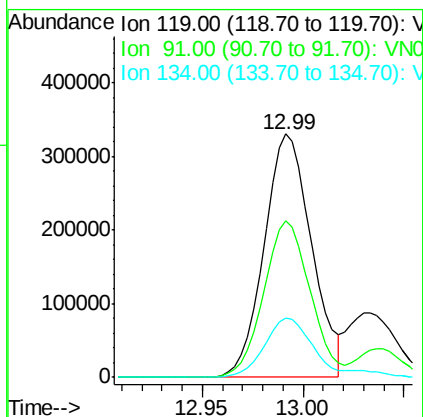
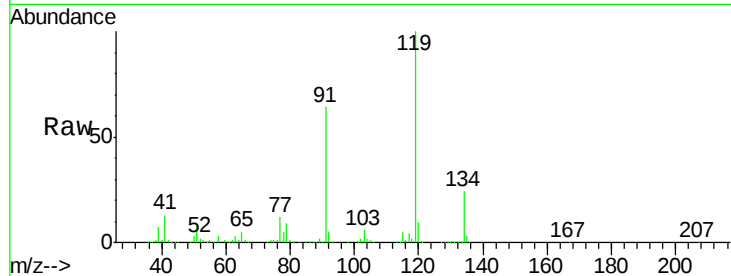




#83
 tert-Butylbenzene
 Concen: 50.003 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

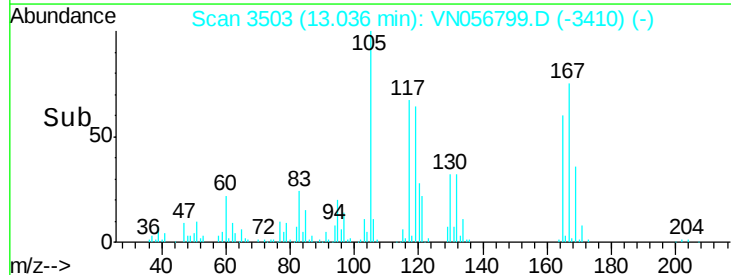
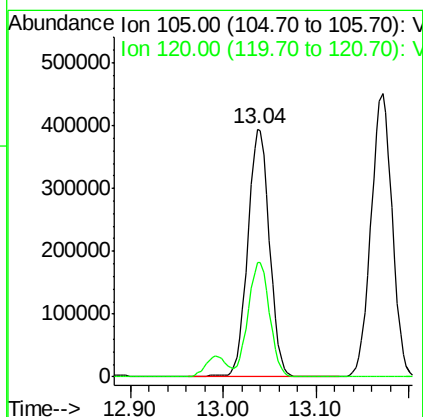
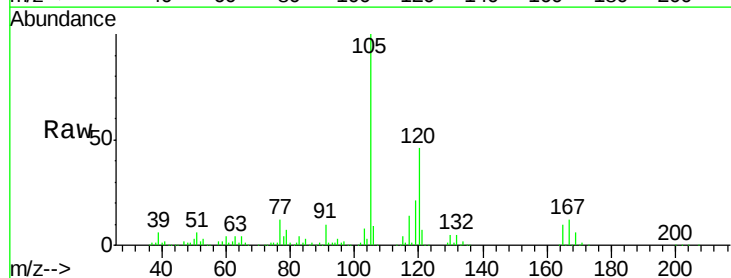
Instrument :
 MSVOA_N
 ClientSampled :

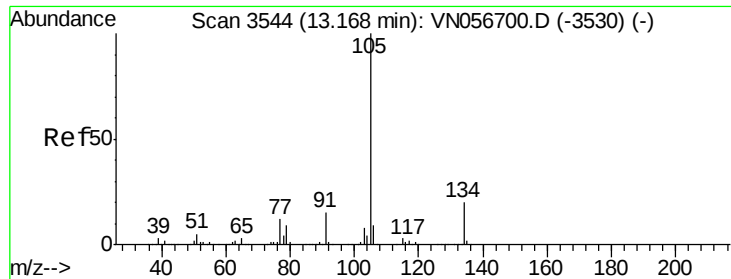
Tot Ion:119 Resp: 541172
 Ion Ratio Lower Upper
 119 100
 91 63.0 31.8 95.4
 134 24.6 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.164 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion:105 Resp: 639705
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 46.167 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

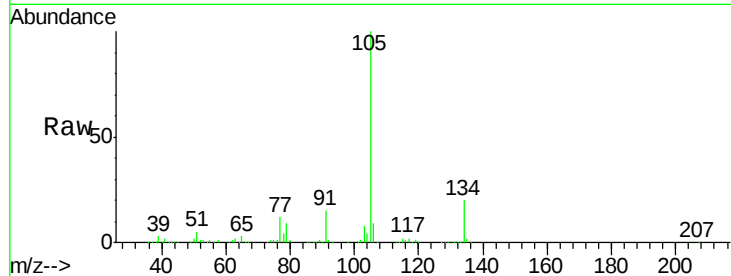
ClientSampleId :

Tot Ion:105 Resp: 712233

Ion Ratio Lower Upper

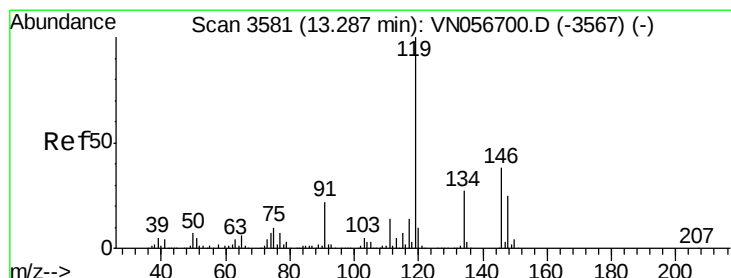
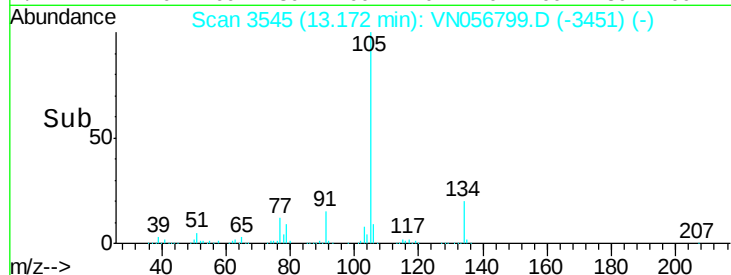
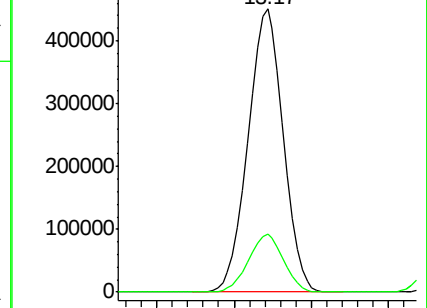
105 100

134 20.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.674 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

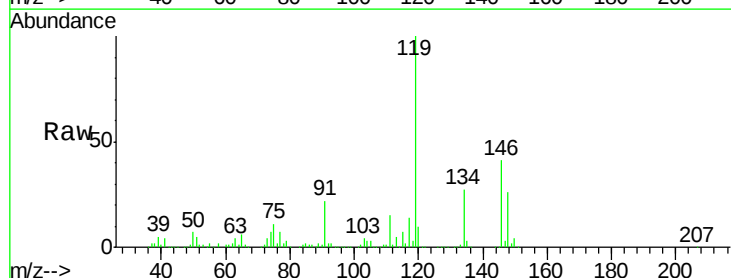
Tgt Ion:119 Resp: 652300

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

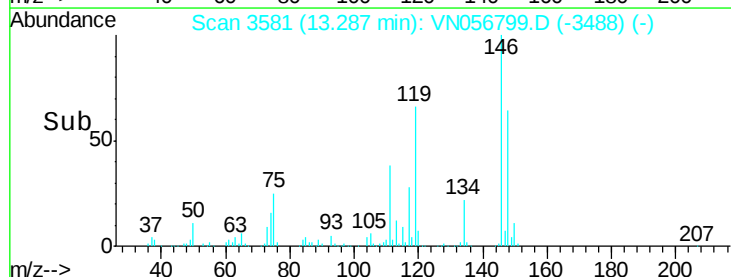
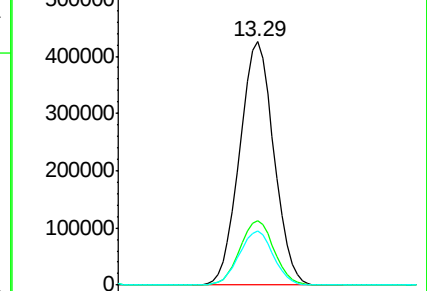
91 22.2 11.2 33.5

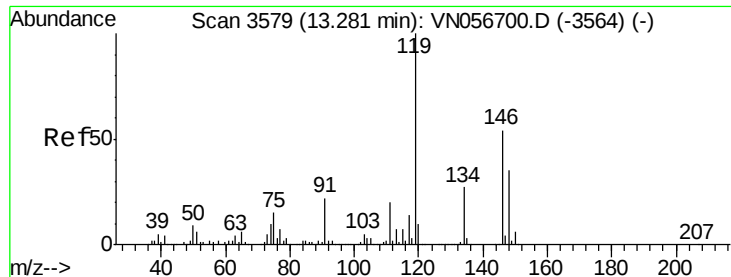


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.275 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

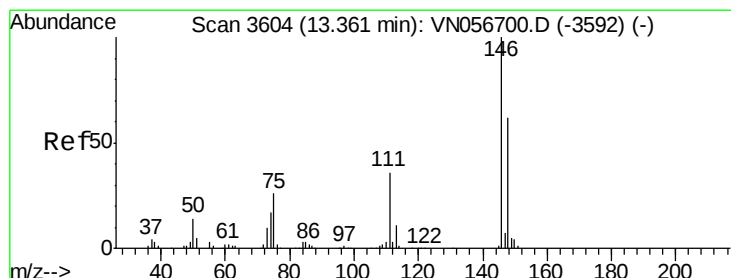
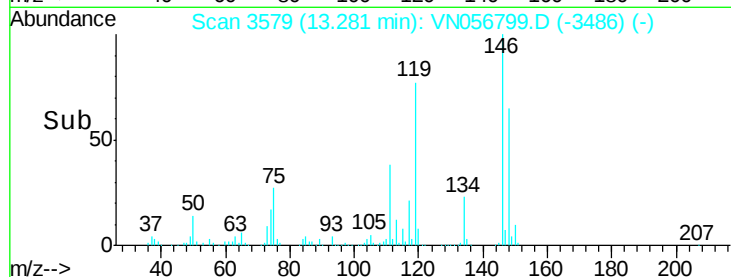
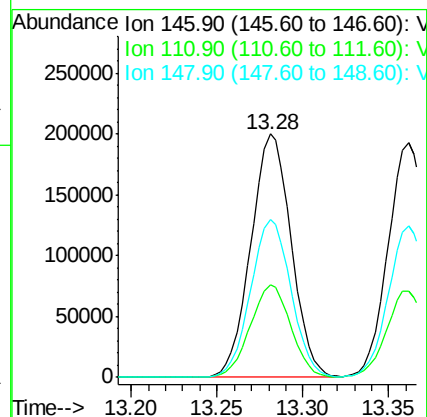
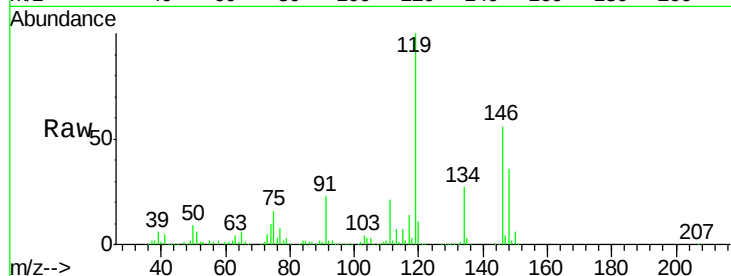
Tot Ion:146 Resp: 324931

Ion Ratio Lower Upper

146 100

111 38.1 18.8 56.3

148 65.0 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 46.718 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

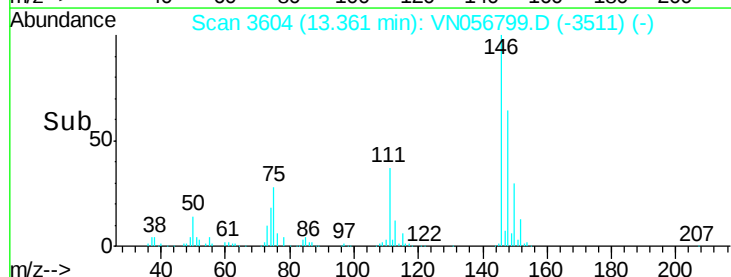
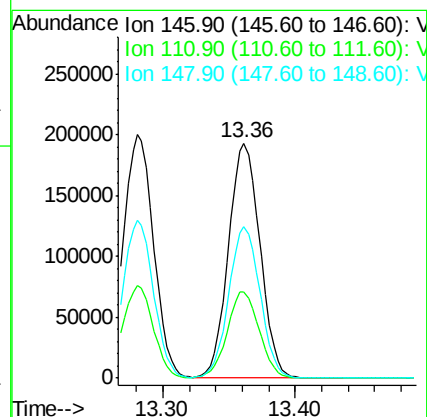
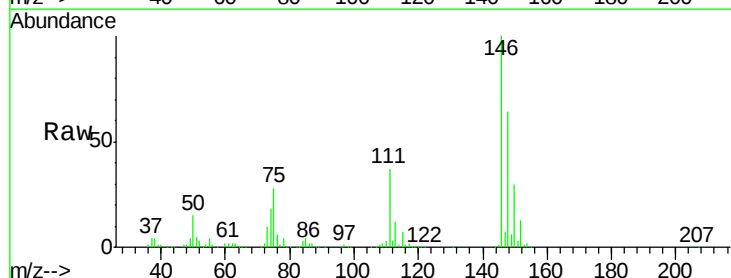
Tgt Ion:146 Resp: 319091

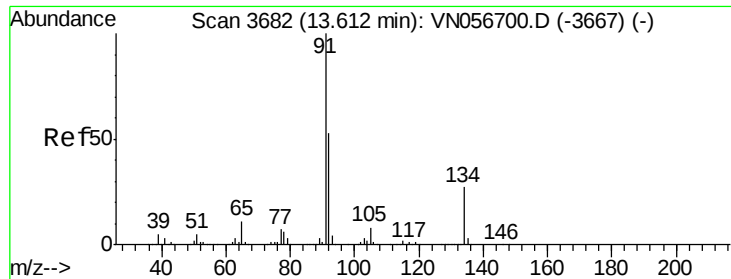
Ion Ratio Lower Upper

146 100

111 37.0 18.6 55.8

148 64.0 31.9 95.7

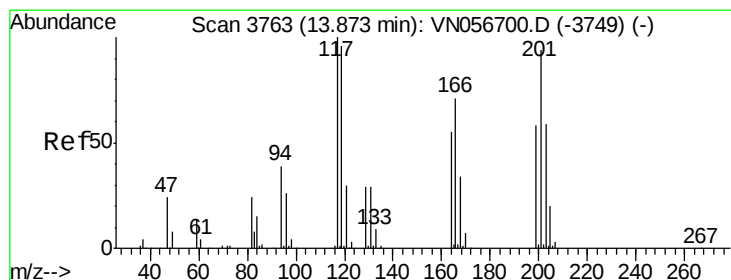
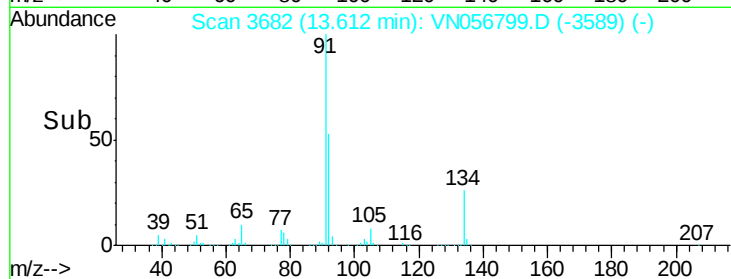
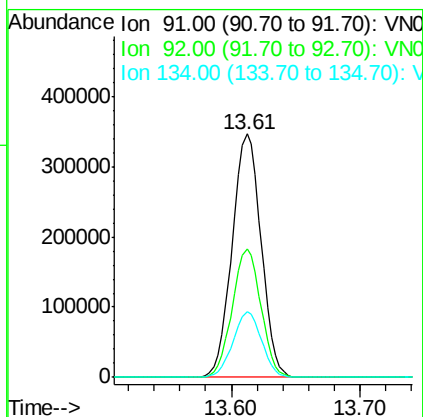
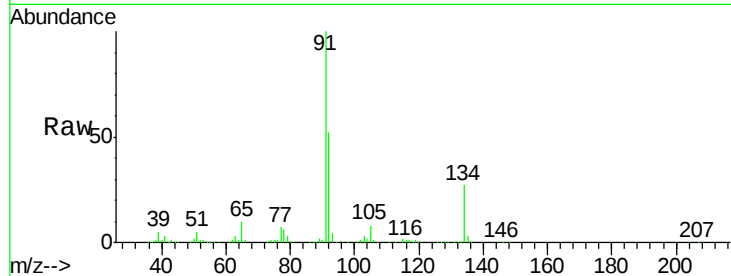




#89
n-Butylbenzene
Concen: 47.931 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

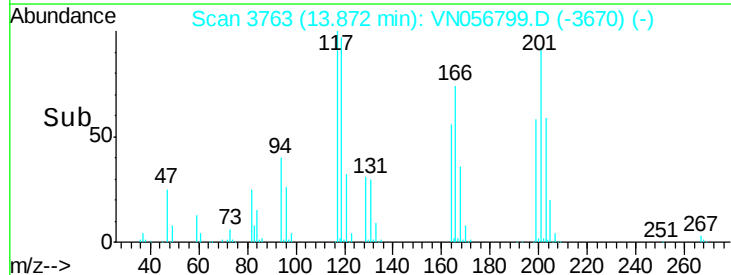
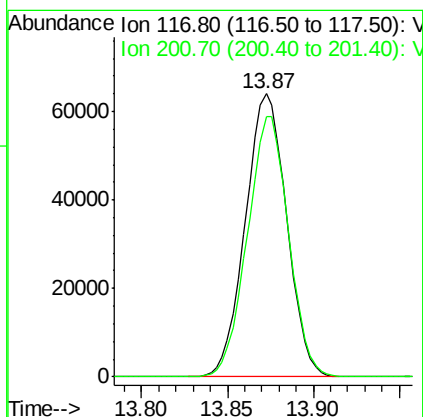
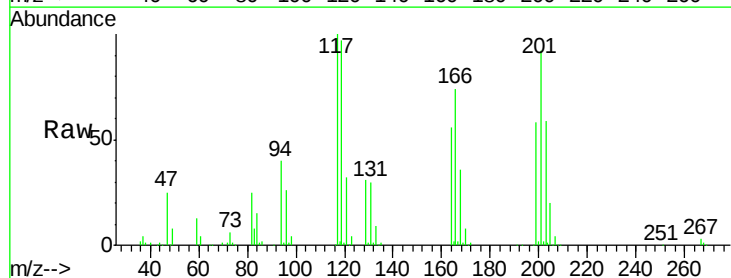
Instrument :
MSVOA_N
ClientSampled :

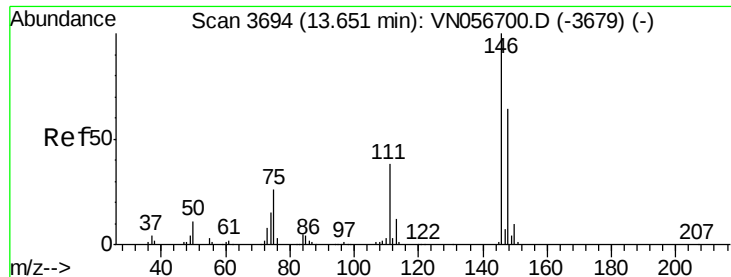
Tot Ion: 91 Resp: 539574
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 26.7 13.4 40.2



#90
Hexachloroethane
Concen: 47.189 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 117 Resp: 106649
Ion Ratio Lower Upper
117 100
201 91.3 46.5 139.5





#91

1,2-Dichlorobenzene

Concen: 46.129 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

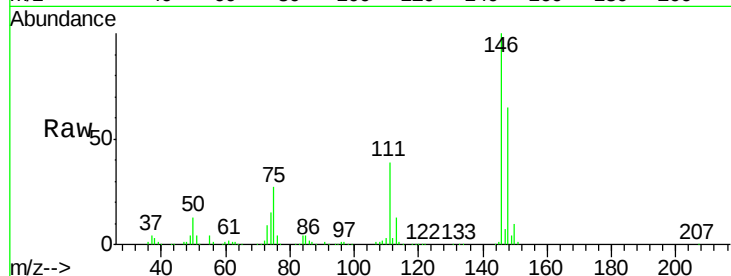
Tot Ion:146 Resp: 331283

Ion Ratio Lower Upper

146 100

111 39.1 19.1 57.1

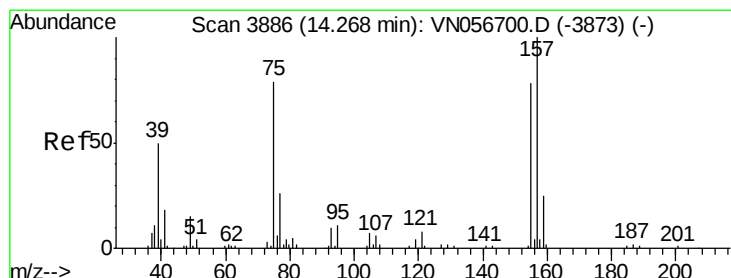
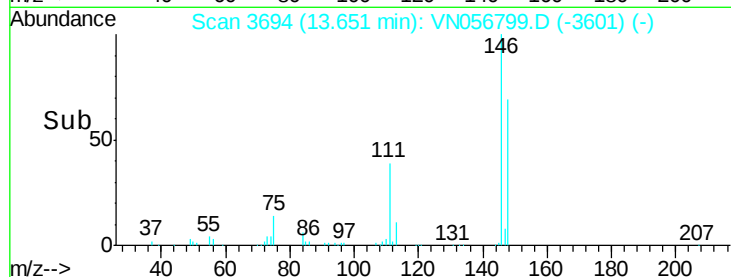
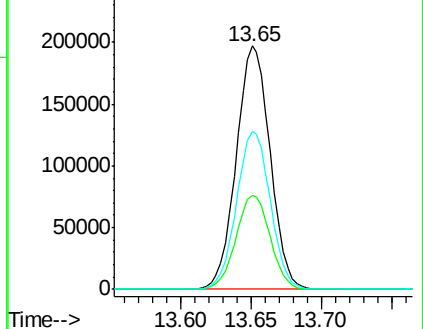
148 65.0 31.7 95.1



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: 49.471 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

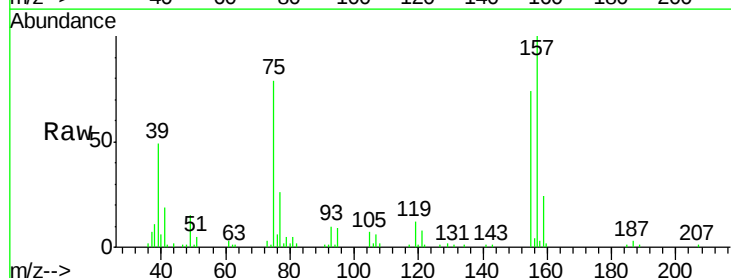
Tgt Ion: 75 Resp: 43455

Ion Ratio Lower Upper

75 100

155 95.3 49.3 147.9

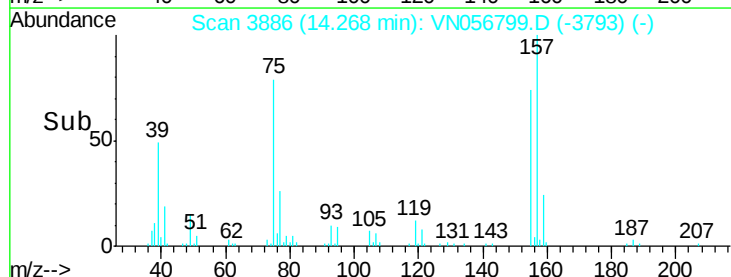
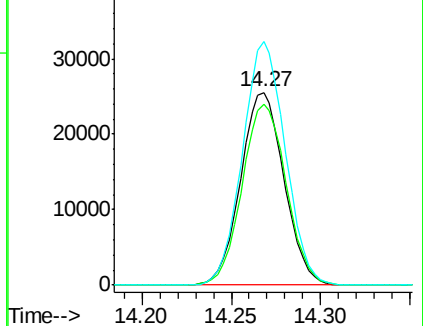
157 124.4 62.4 187.1

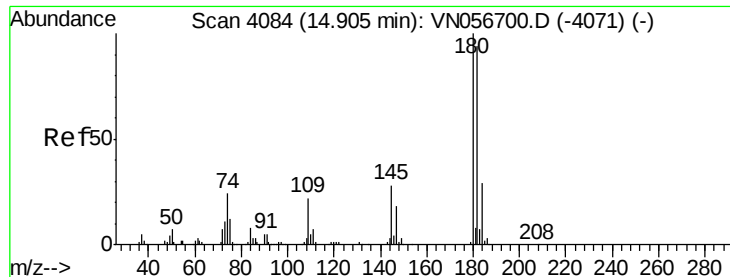


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

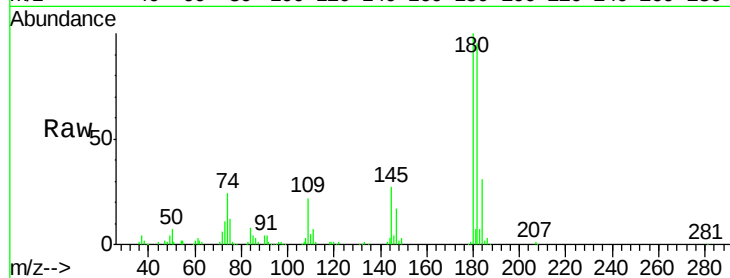




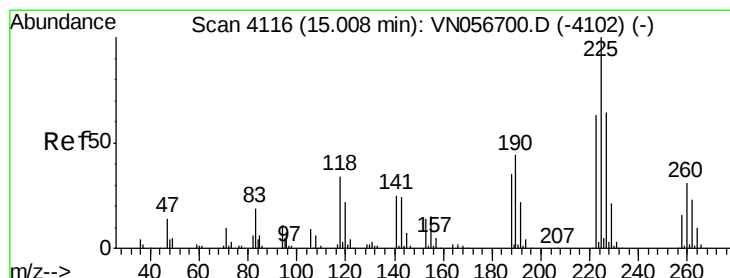
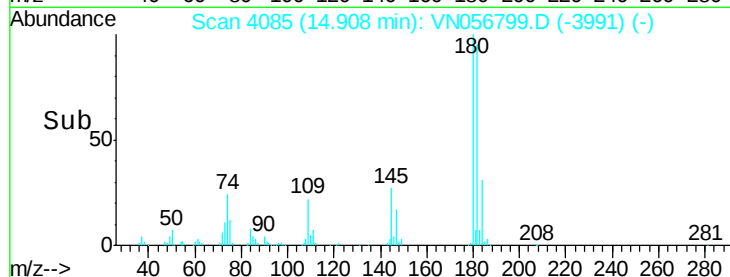
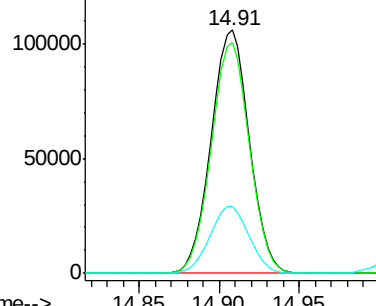
#93
 1,2,4-Trichlorobenzene
 Concen: 43.841 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 171991
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.2 141.6
 145 28.3 14.2 42.8

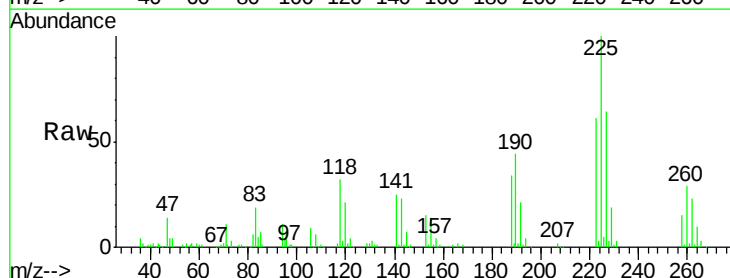


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

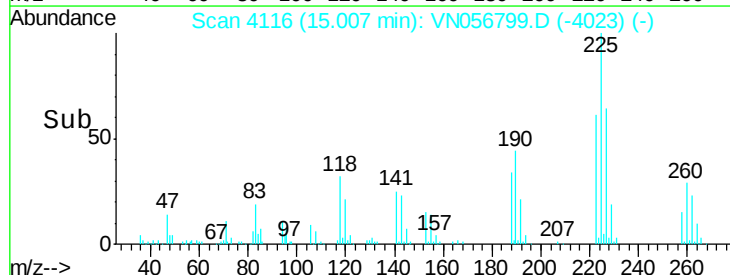
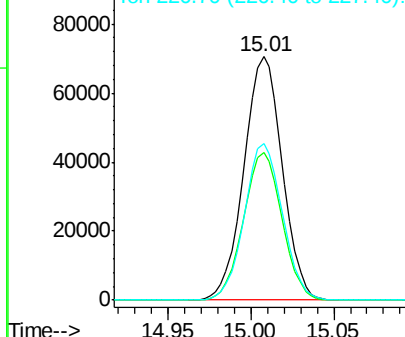


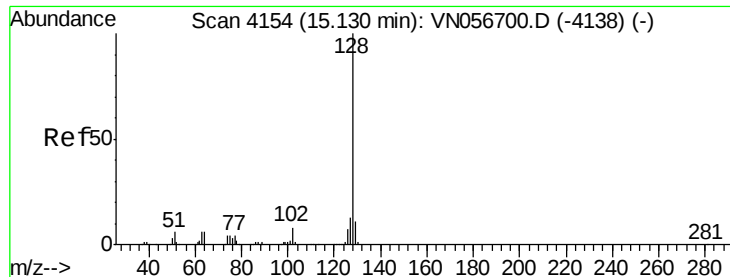
#94
 Hexachlorobutadiene
 Concen: 50.405 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion:225 Resp: 113705
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.5 94.5
 227 63.6 32.0 96.2



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





#95

Naphthalene

Concen: 42.618 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

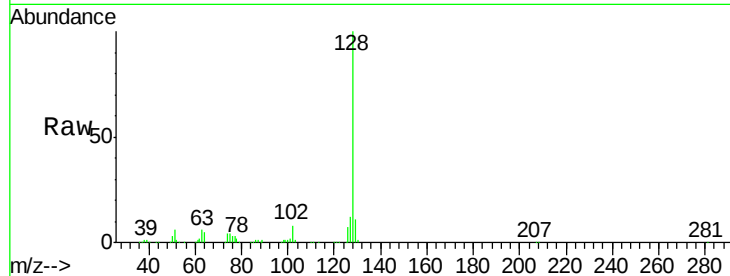
Tot Ion:128 Resp: 455894

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

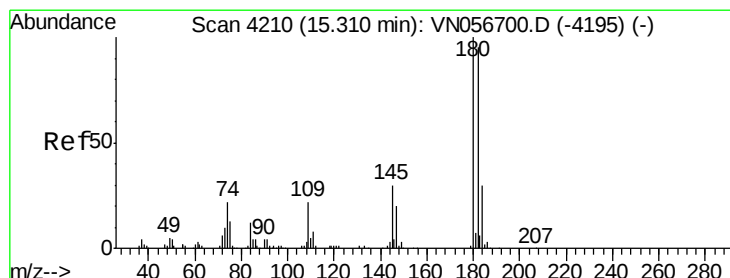
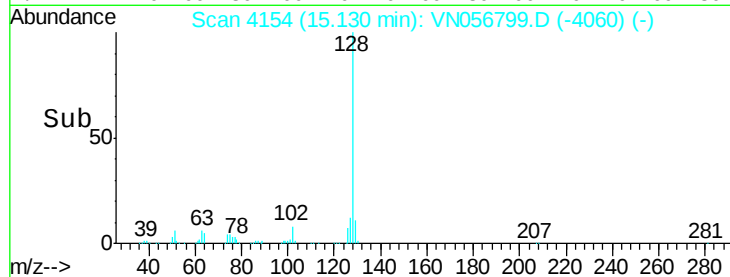
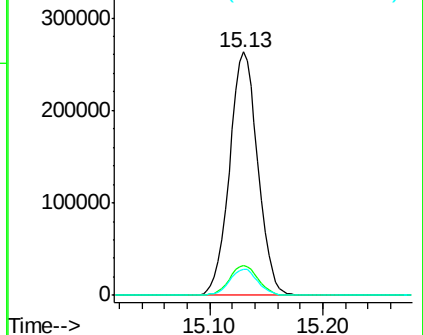
129 10.8 8.7 13.1



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: 44.481 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

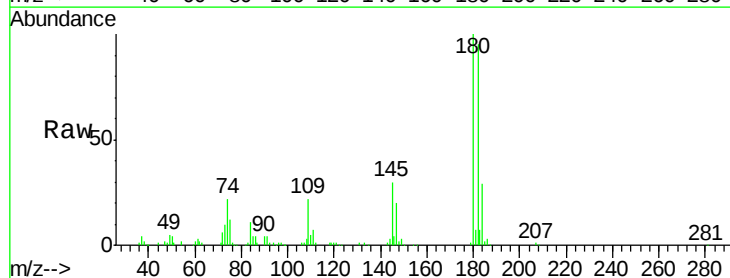
Tgt Ion:180 Resp: 173671

Ion Ratio Lower Upper

180 100

182 95.8 47.1 141.3

145 30.4 15.0 45.1



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

