

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056887.D
 Acq On : 23 Jul 2019 19:28
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 02:38:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	59072	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	316957	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	270969	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	114738	28.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.23%
60) 4-Bromofluorobenzene	12.40	95	119487	29.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.77%
63) Toluene-d8	10.09	98	394018	31.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	69964	20.844	ug/l 100
3) Chloromethane	2.06	50	85487	19.328	ug/l 100
4) Vinyl Chloride	2.19	62	82397	19.007	ug/l 100
5) Bromomethane	2.56	94	49777	18.261	ug/l 100
6) Chloroethane	2.70	64	45675	18.501	ug/l 100
7) Trichlorofluoromethane	3.02	101	98948	18.043	ug/l 100
8) Diethyl Ether	3.41	74	37427	16.793	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	61881	18.069	ug/l 100
10) 1,1-Dichloroethene	3.73	96	61458	18.054	ug/l 100
11) Methyl Iodide	3.95	142	88158	19.123	ug/l 100
12) Methyl Acetate	4.33	43	71286	15.769	ug/l 100
13) Acrolein	3.60	56	43669	122.190	ug/l 100
14) Acrylonitrile	4.99	53	145536	74.782	ug/l 100
15) Acetone	3.82	58	38632	62.368	ug/l 100
16) Carbon Disulfide	4.04	76	159778	17.723	ug/l 100
17) Allyl chloride	4.32	41	99928	16.910	ug/l 100
18) Methylene Chloride	4.55	84	72181	18.069	ug/l 100
19) trans-1,2-Dichloroethene	5.04	96	64360	17.760	ug/l 100
20) Diisopropyl ether	5.95	45	213337	18.009	ug/l 100
21) 1,1-Dichloroethane	5.85	63	123200	18.158	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	76428	17.961	ug/l 100
23) tert-Butyl Alcohol	4.80	59	54027	78.856	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	182833	17.004	ug/l 100
25) Chloroform	7.37	83	119640	18.168	ug/l 100
26) Cyclohexane	7.65	56	109824	17.601	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	87201	17.895	ug/l 100
30) 2-Butanone	6.84	43	178510	67.472	ug/l 100
31) 2,2-Dichloropropane	6.83	77	81437	17.315	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	96516	18.407	ug/l 100
33) Carbon Tetrachloride	7.77	117	82571	18.310	ug/l 100
34) Benzene	8.04	78	281204	18.628	ug/l 100
35) Methacrylonitrile	7.18	41	38609	17.433	ug/l 100
36) 1,2-Dichloroethane	8.12	62	87321	18.122	ug/l 100
37) Trichloroethene	8.83	130	73976	18.130	ug/l 100
38) Methylcyclohexane	9.08	83	108361	17.650	ug/l 100
39) 1,2-Dichloropropane	9.12	63	74250	18.367	ug/l 100
40) Dibromomethane	9.21	93	45534	17.765	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	86218	18.145	ug/l	100
42) Vinyl Acetate	5.90	43	788383	84.857	ug/l	100
43) Ethyl Acetate	6.94	43	71842	14.646	ug/l	100
44) Isopropyl Acetate	8.17	43	122125	15.626	ug/l	100
45) 1,4-Dioxane	9.20	88	23145	299.860	ug/l	100
46) Methyl methacrylate	9.20	41	58966	15.745	ug/l	100
47) n-amyl Acetate	12.07	43	90998	14.356	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	85993	16.591	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	103096	17.526	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	67502	17.995	ug/l	100
51) Ethyl methacrylate	10.43	69	92790	16.323	ug/l	100
52) 1,3-Dichloropropane	10.71	76	111693	17.937	ug/l	100
53) Dibromochloromethane	10.90	129	66298	17.468	ug/l	100
54) 1,2-Dibromoethane	11.00	107	66200	17.120	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	205710	76.053	ug/l	100
56) Bromoform	12.12	173	44484	16.002	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	373290	77.532	ug/l	100
59) 2-Hexanone	10.75	43	246796	69.422	ug/l	100
61) Tetrachloroethene	10.63	164	78495	20.301	ug/l	100
62) Toluene	10.15	91	293878	18.851	ug/l	100
64) Chlorobenzene	11.43	112	174570	18.380	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	67259	19.148	ug/l	100
66) Ethyl Benzene	11.51	91	305172	18.221	ug/l	100
67) m/p-Xylenes	11.62	106	228501	36.253	ug/l	100
68) o-Xylene	11.94	106	112319	18.158	ug/l	100
69) Styrene	11.96	104	179326	17.598	ug/l	100
70) Isopropylbenzene	12.25	105	297967	18.418	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	85831	16.642	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	99207	22.610	ug/l	65
73) Bromobenzene	12.53	156	75026	17.796	ug/l	100
74) n-propylbenzene	12.59	91	314500	17.453	ug/l	100
75) 2-Chlorotoluene	12.67	91	196608	17.986	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	249246	18.184	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20893	14.325	ug/l	100
78) 4-Chlorotoluene	12.77	91	181266	17.195	ug/l	100
79) tert-butylbenzene	12.99	119	212900	18.175	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	246484	18.102	ug/l	100
81) sec-Butylbenzene	13.17	105	276165	17.894	ug/l	100
82) p-Isopropyltoluene	13.28	119	248201	17.741	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	114569	16.507	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	105519	15.936	ug/l	100
85) n-Butylbenzene	13.61	91	185797	16.256	ug/l	100
86) Hexachloroethane	13.87	117	40678	18.206	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	117622	16.807	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.26	75	12633	14.363	ug/l	100
89) 1,2,4-Trichlorobenzene	14.90	180	44630	12.202	ug/l	100
90) Hexachlorobutadiene	15.01	225	43551	17.759	ug/l	100
91) Naphthalene	15.13	128	113800	11.489	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	52718	13.582	ug/l	100

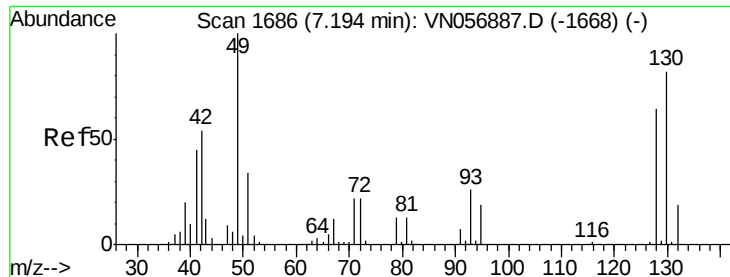
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampled :

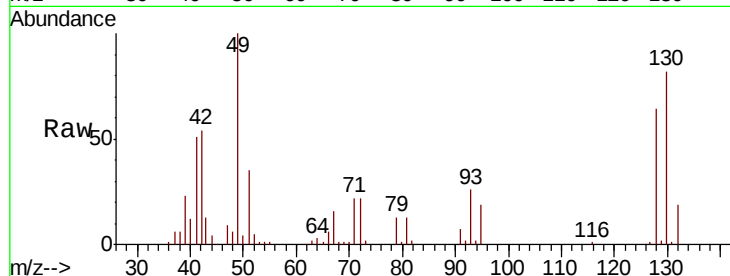
Tot Ion:128 Resp: 59072

Ion Ratio Lower Upper

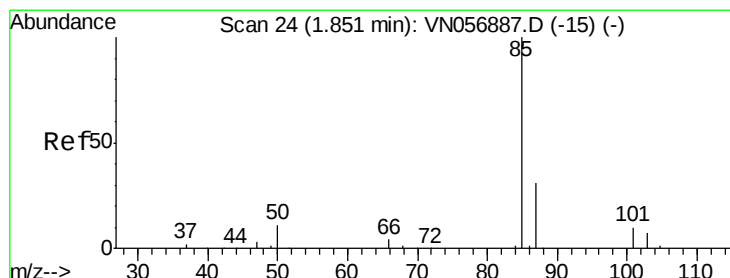
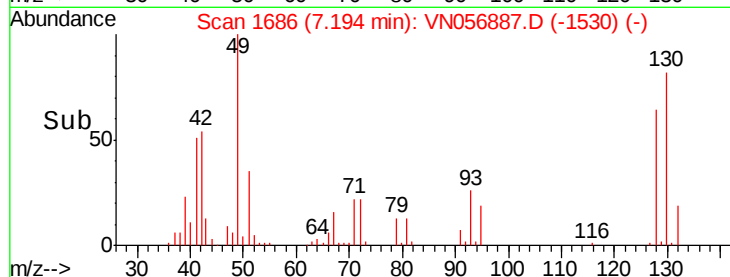
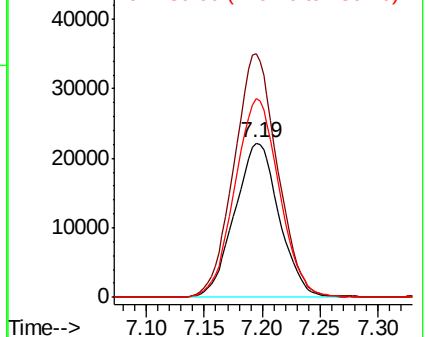
128 100

49 154.3 0.0 385.8

130 129.0 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.844 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056887.D

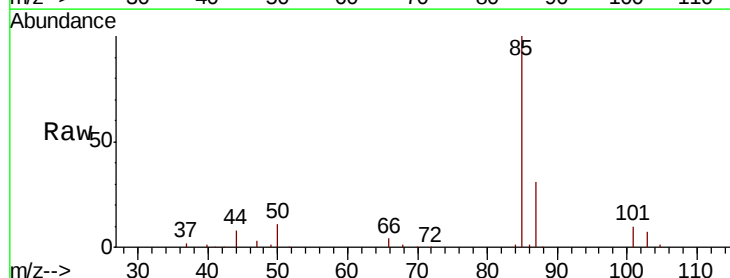
Acq: 23 Jul 2019 19:28

Tgt Ion: 85 Resp: 69964

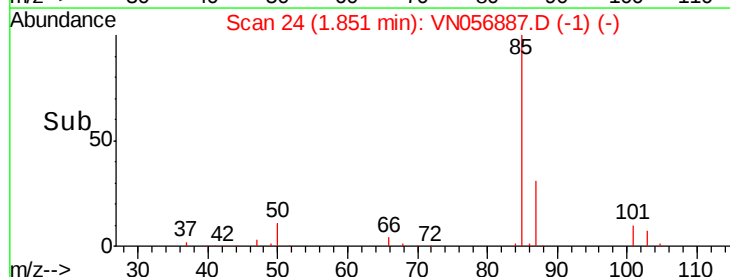
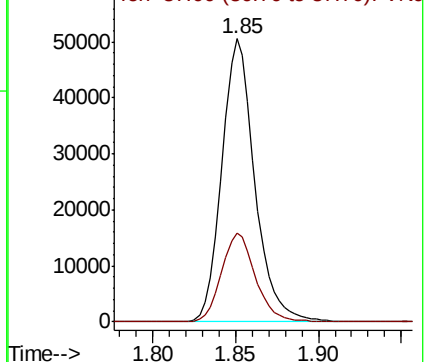
Ion Ratio Lower Upper

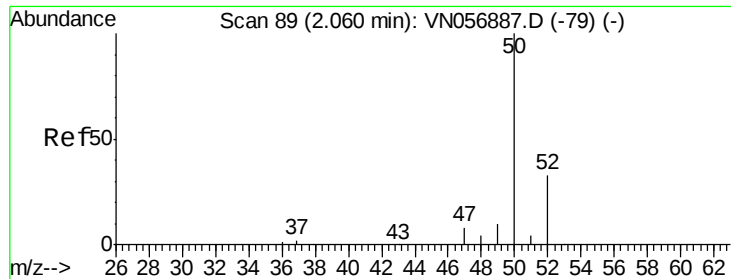
85 100

87 31.2 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.328 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

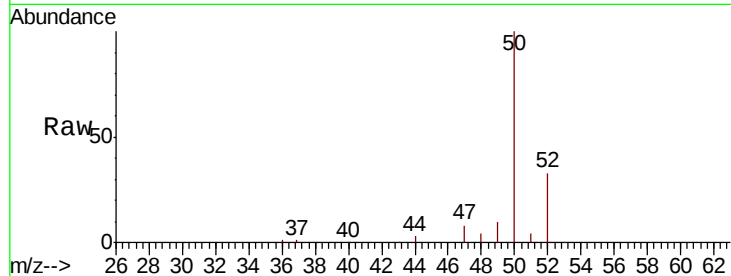
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 85487

Ion Ratio Lower Upper

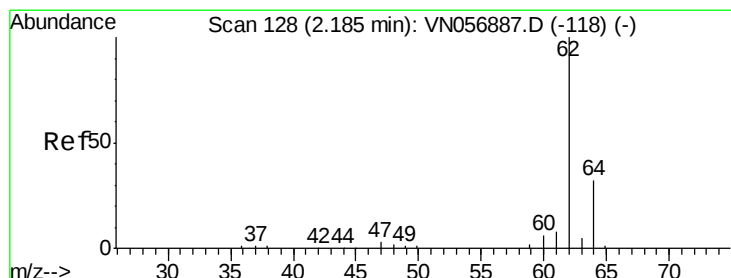
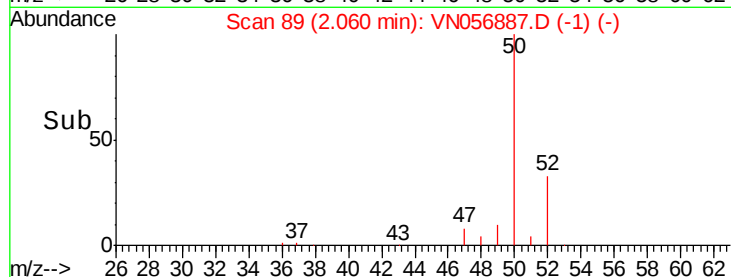
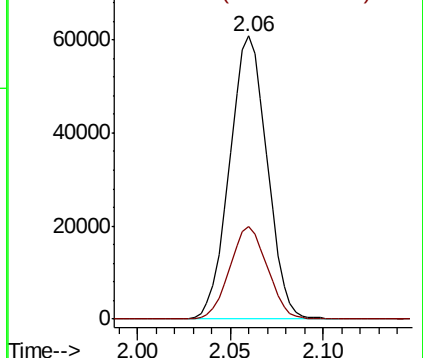
50 100

52 32.7 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.007 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056887.D

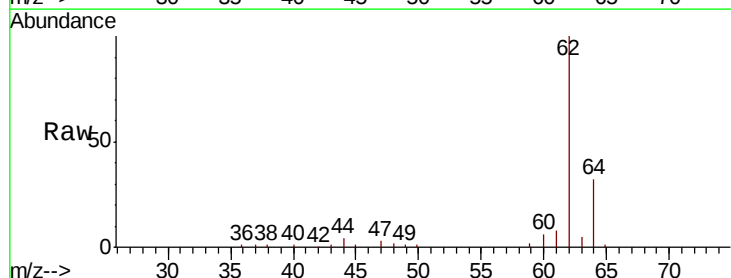
Acq: 23 Jul 2019 19:28

Tgt Ion: 62 Resp: 82397

Ion Ratio Lower Upper

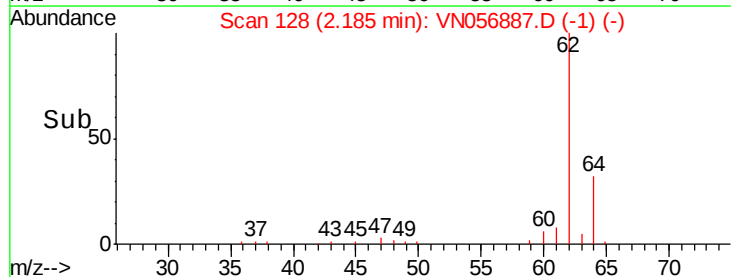
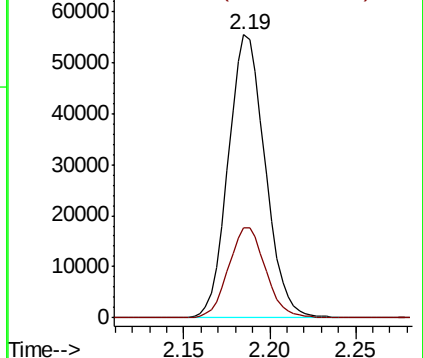
62 100

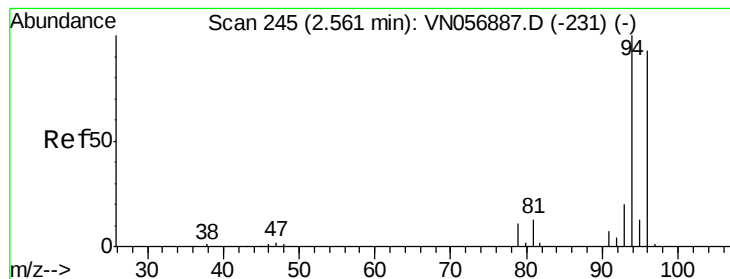
64 31.7 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 18.261 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

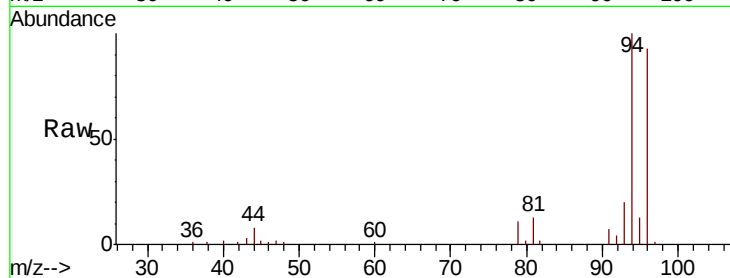
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 49777

Ion Ratio Lower Upper

94 100

96 93.4 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

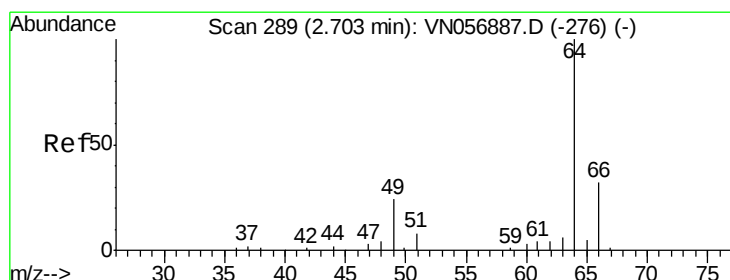
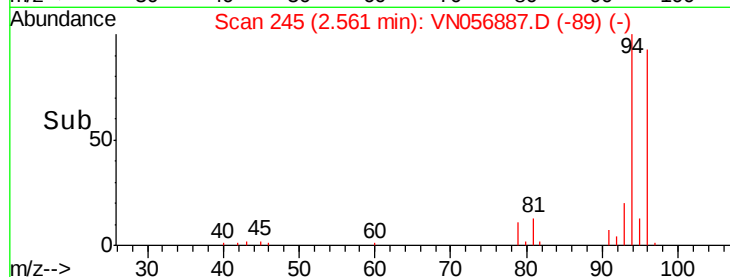
10000

5000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 18.501 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN056887.D

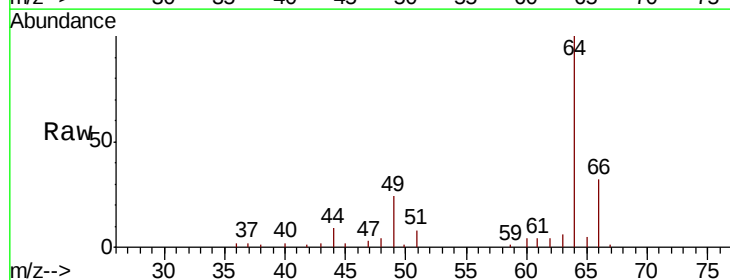
Acq: 23 Jul 2019 19:28

Tgt Ion: 64 Resp: 45675

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

25000

20000

15000

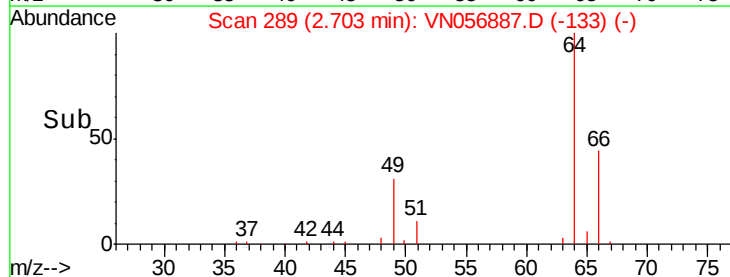
10000

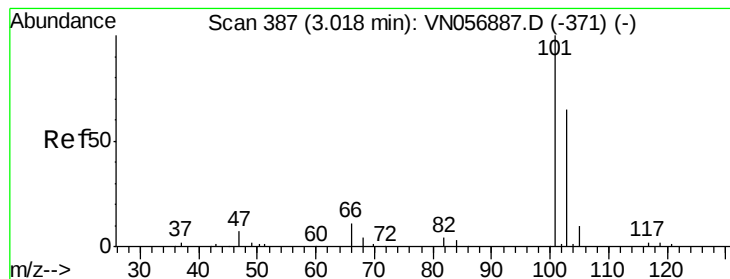
5000

0

2.65 2.70 2.75 2.80

Time-->



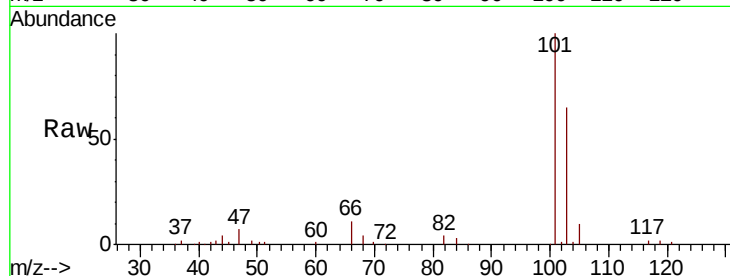


#7

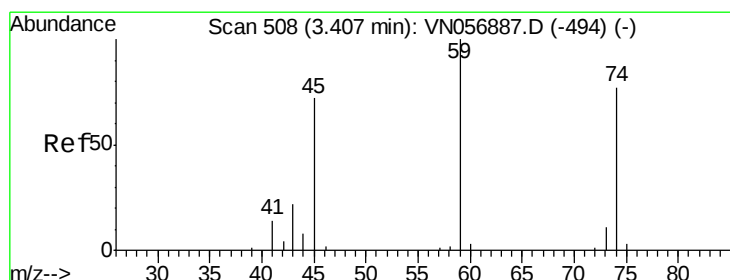
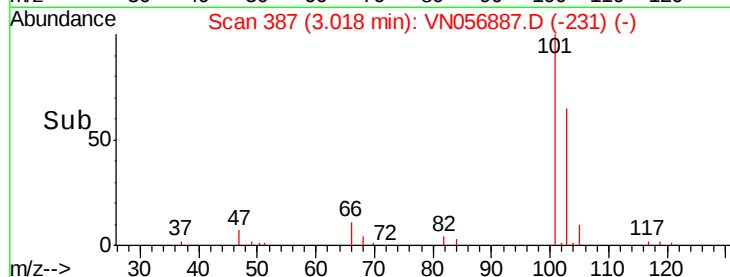
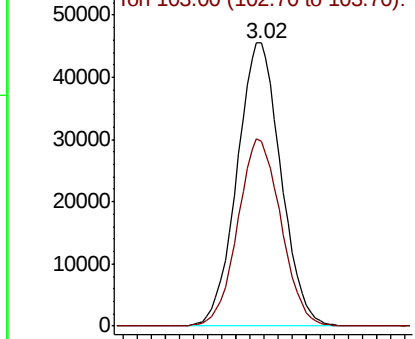
Trichlorofluoromethane
Concen: 18.043 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 98948
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4



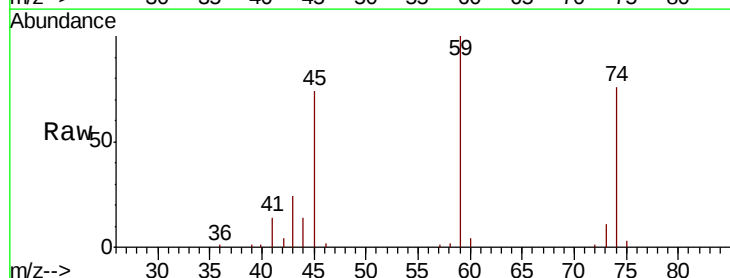
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



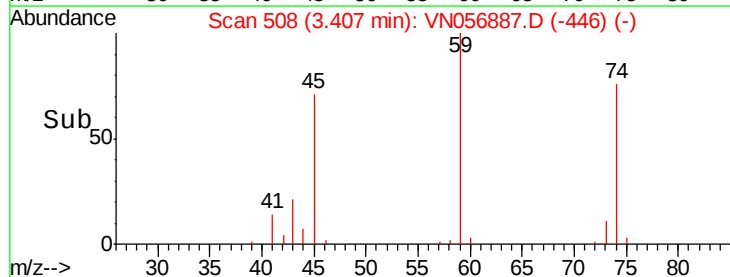
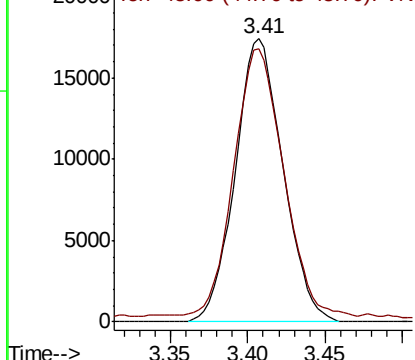
#8

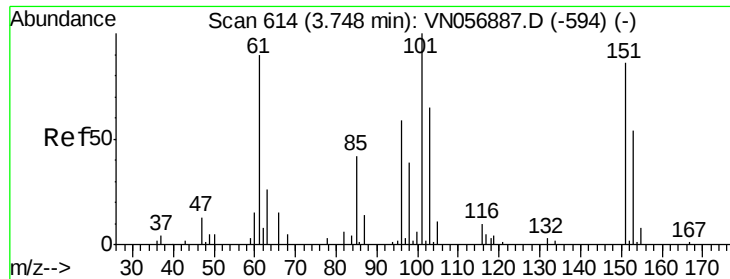
Diethyl Ether
Concen: 16.793 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 74 Resp: 37427
Ion Ratio Lower Upper
74 100
45 97.6 19.5 175.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.069 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

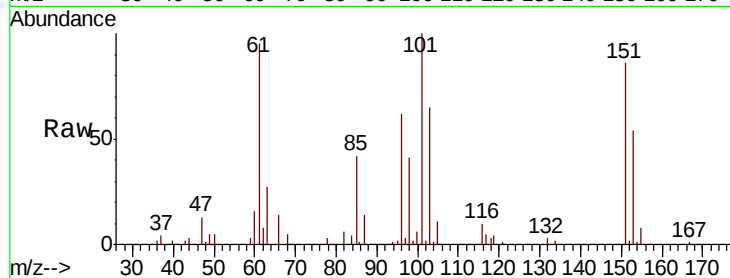
Tot Ion:101 Resp: 61881

Ion Ratio Lower Upper

101 100

85 42.5 0.0 85.0

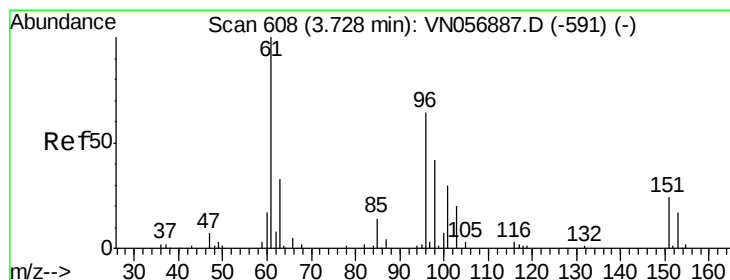
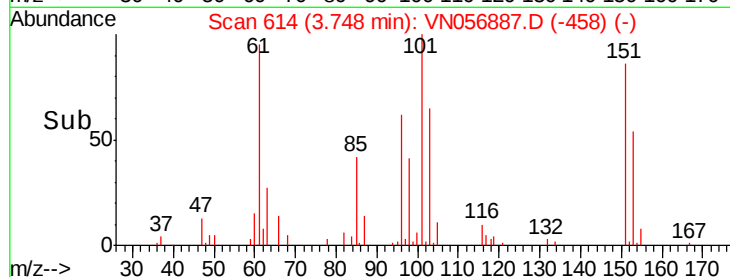
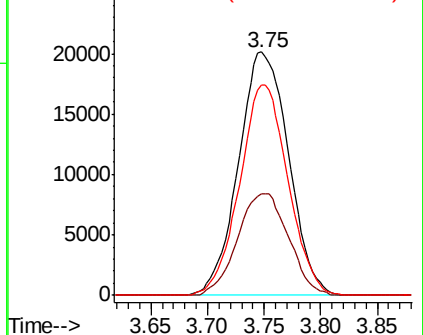
151 83.6 0.0 167.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.054 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

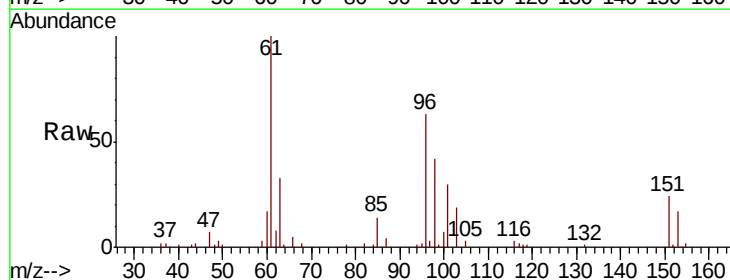
Tgt Ion: 96 Resp: 61458

Ion Ratio Lower Upper

96 100

61 157.3 125.8 188.8

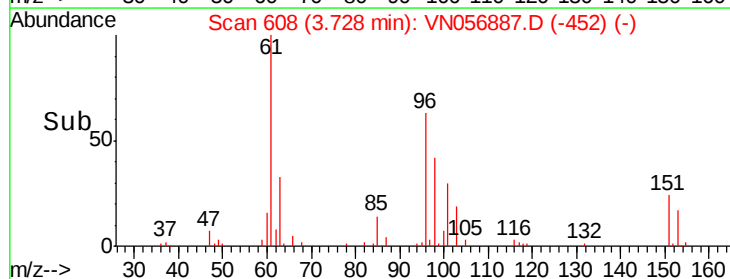
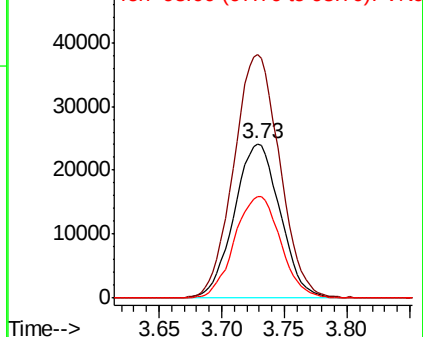
98 65.9 52.7 79.1

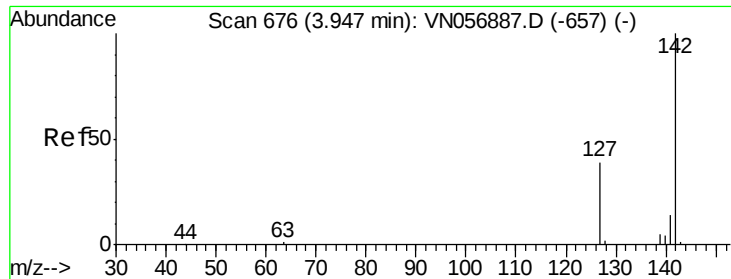


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

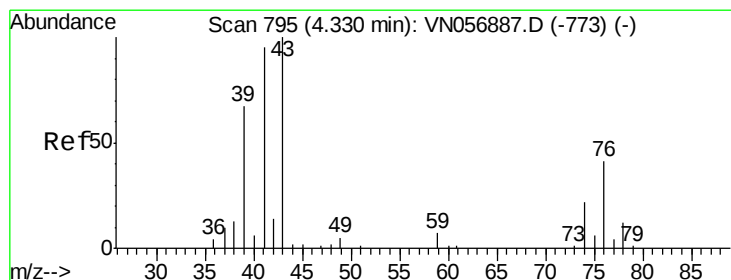
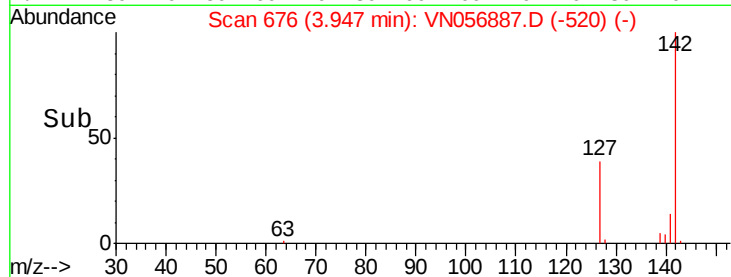
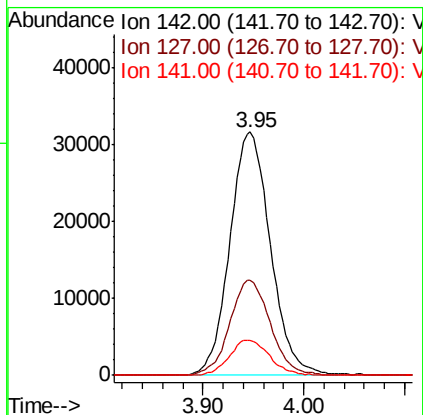
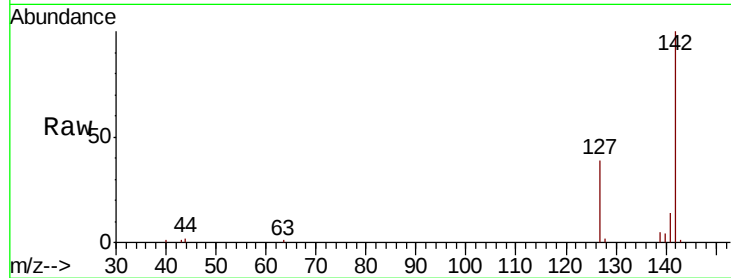




#11
Methyl Iodide
Concen: 19.123 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

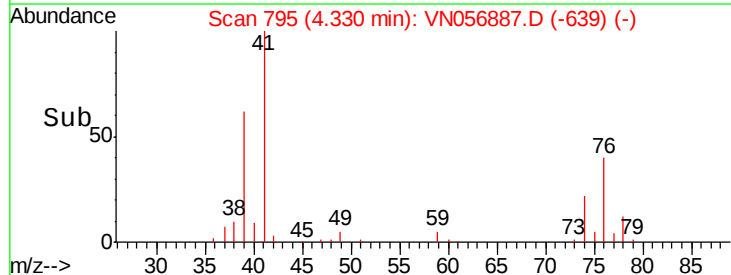
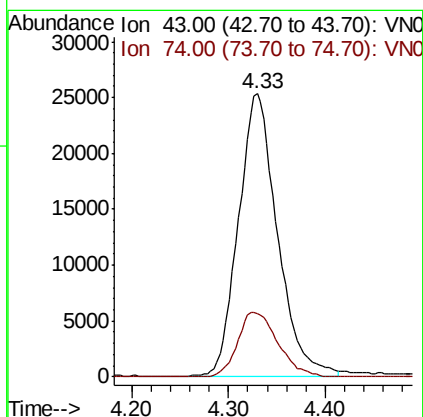
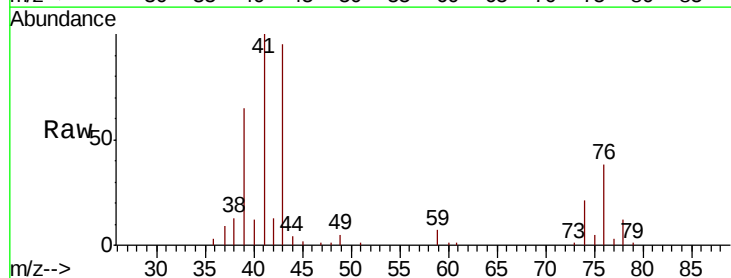
Instrument :
MSVOA_N
ClientSampleId :

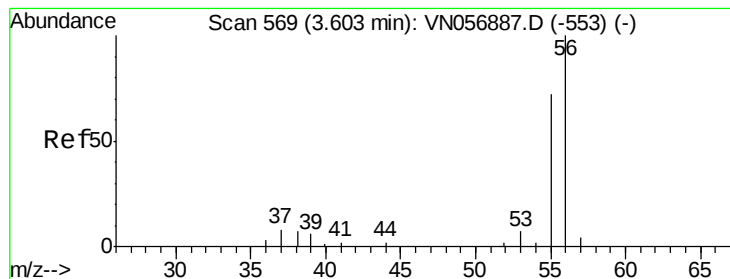
Tot Ion:142 Resp: 88158
Ion Ratio Lower Upper
142 100
127 39.2 19.6 58.8
141 14.4 7.2 21.6



#12
Methyl Acetate
Concen: 15.769 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 71286
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1





#13

Acrolein

Concen: 122.190 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

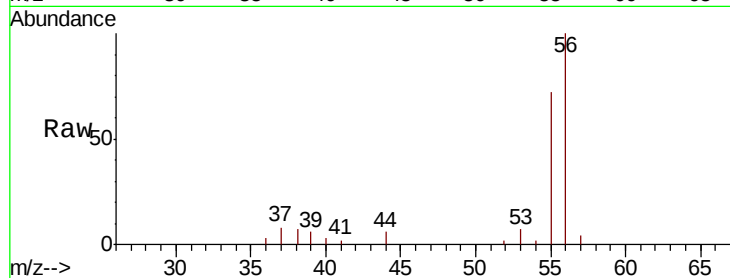
ClientSampleId :

Tot Ion: 56 Resp: 43669

Ion Ratio Lower Upper

56 100

55 73.1 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

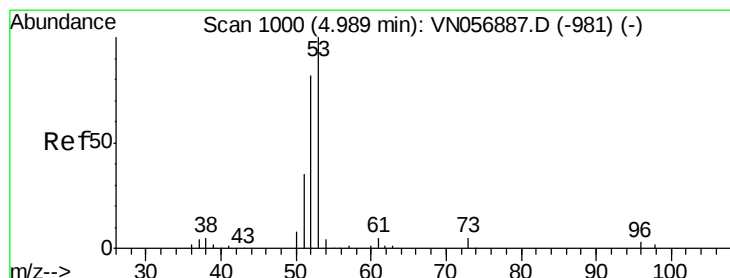
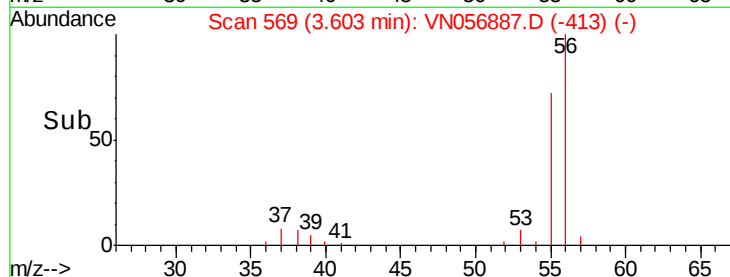
5000

0

3.60

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Acrylonitrile

Concen: 74.782 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

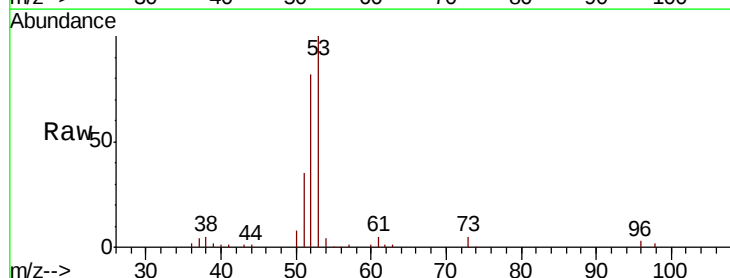
Tgt Ion: 53 Resp: 145536

Ion Ratio Lower Upper

53 100

52 81.7 40.8 122.5

51 34.8 17.4 52.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

60000

50000

40000

30000

20000

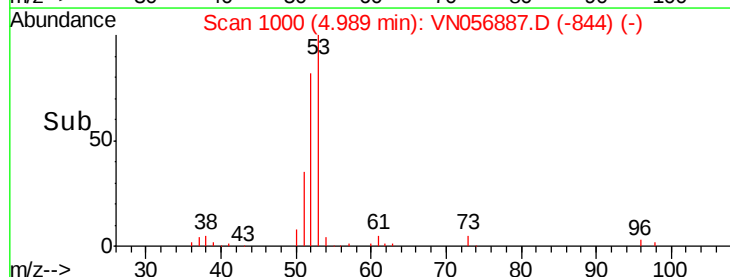
10000

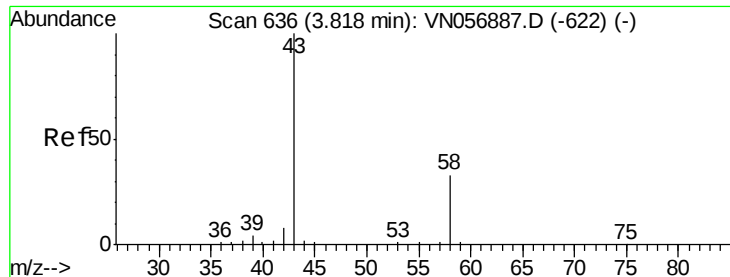
0

4.99

4.90 5.00 5.10

Time-->





#15

Acetone

Concen: 62.368 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

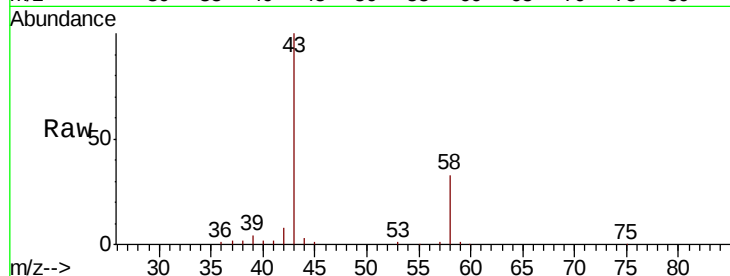
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 38632

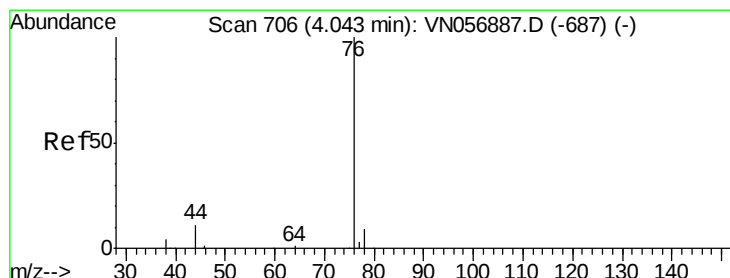
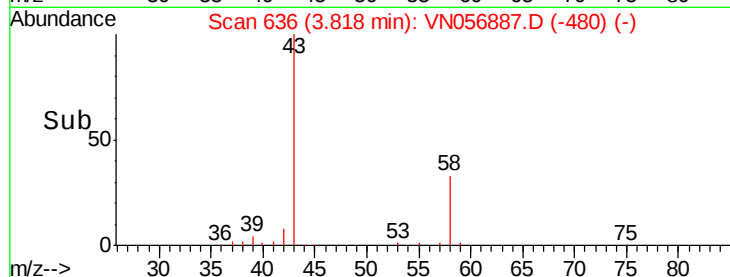
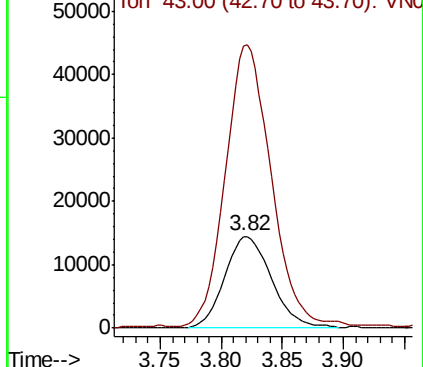
Ion Ratio Lower Upper

58 100

43 303.0 242.4 363.6



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



#16

Carbon Disulfide

Concen: 17.723 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN056887.D

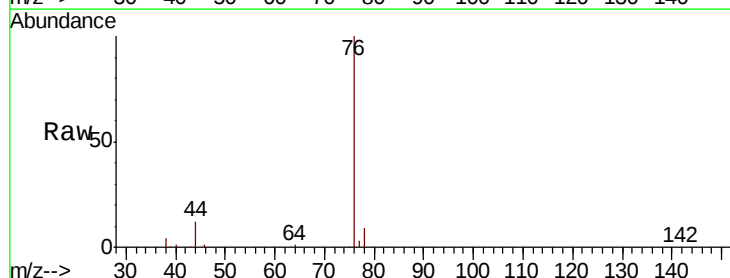
Acq: 23 Jul 2019 19:28

Tgt Ion: 76 Resp: 159778

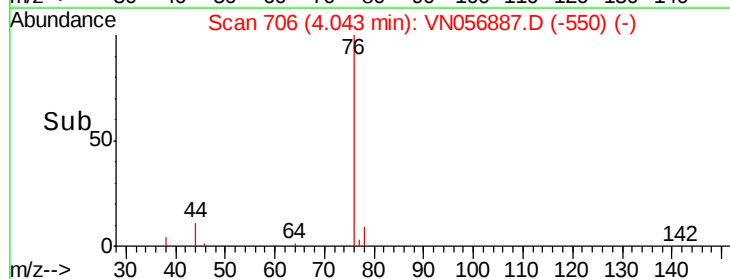
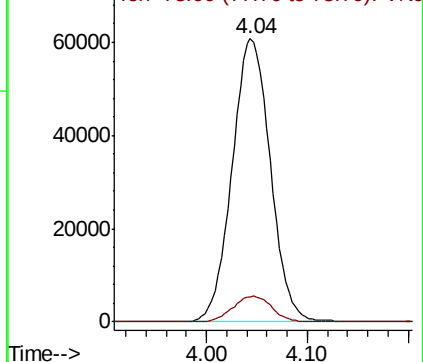
Ion Ratio Lower Upper

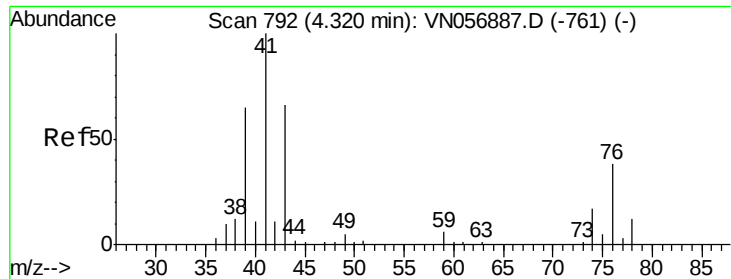
76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

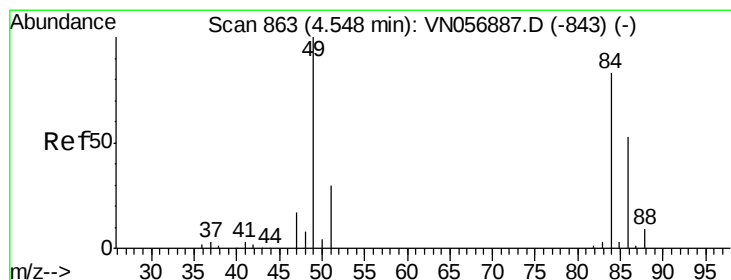
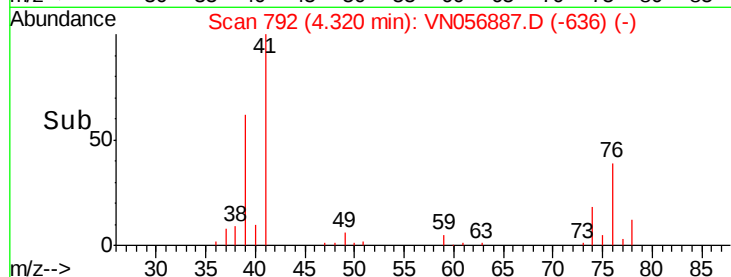
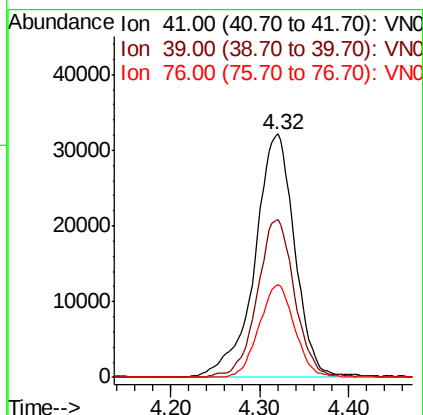
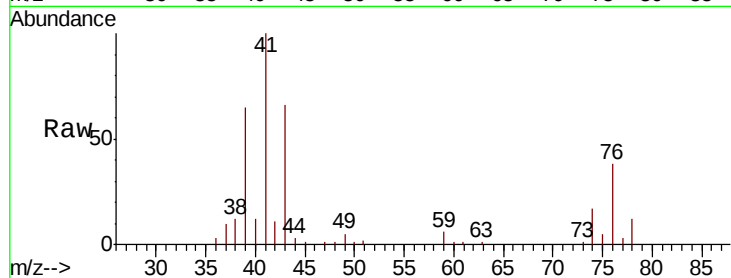




#17
Allvl chloride
Concen: 16.910 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

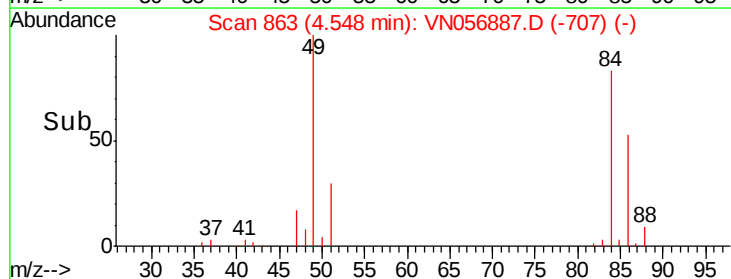
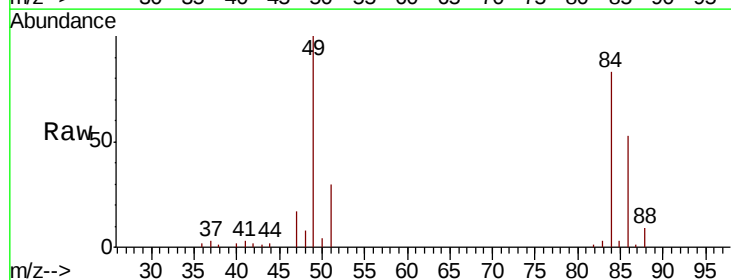
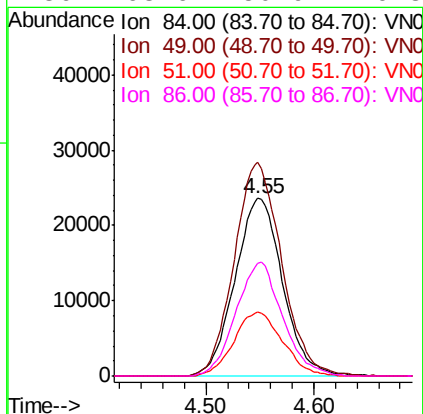
Instrument :
MSVOA_N
ClientSampleId :

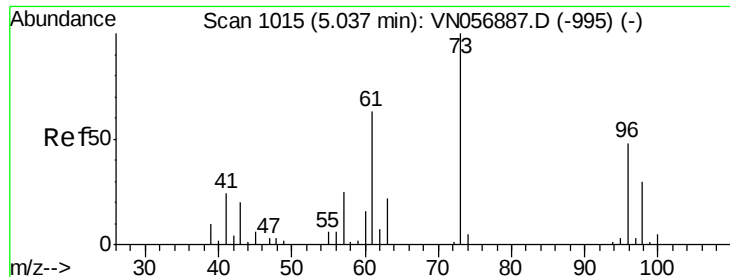
Tot Ion: 41 Resp: 99928
Ion Ratio Lower Upper
41 100
39 64.7 32.4 97.0
76 38.0 19.0 57.0



#18
Methylene Chloride
Concen: 18.069 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 84 Resp: 72181
Ion Ratio Lower Upper
84 100
49 120.4 96.3 144.5
51 36.0 28.8 43.2
86 63.6 50.9 76.3

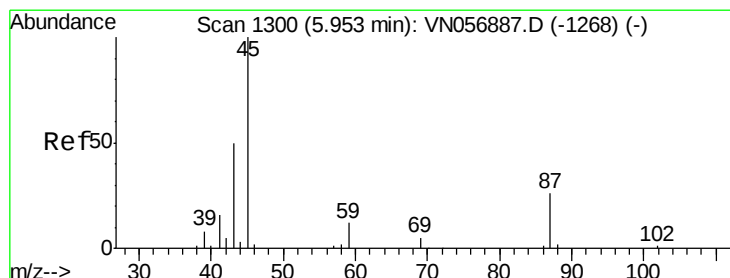
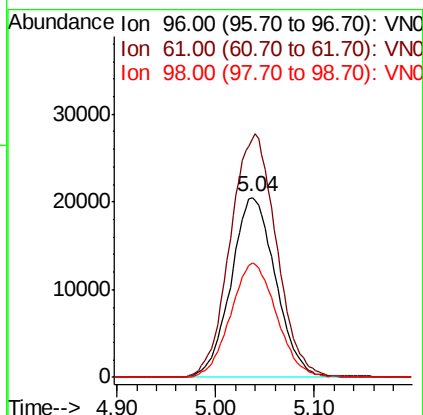
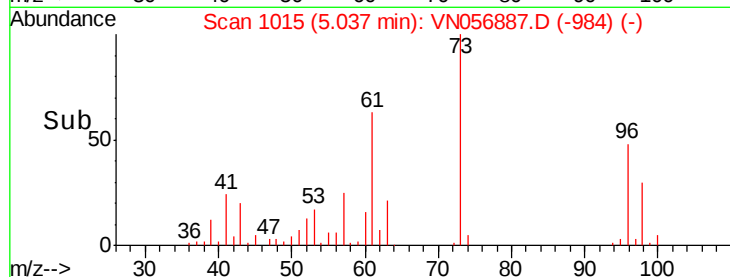
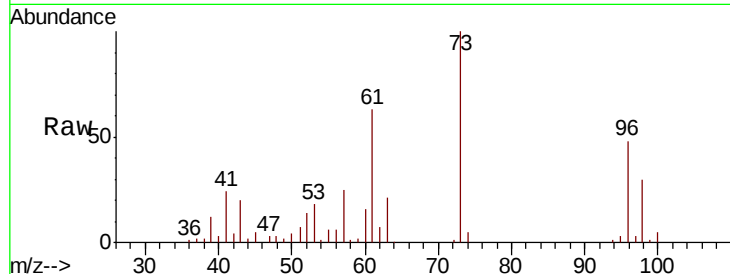




#19
trans-1,2-Dichloroethene
Concen: 17.760 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

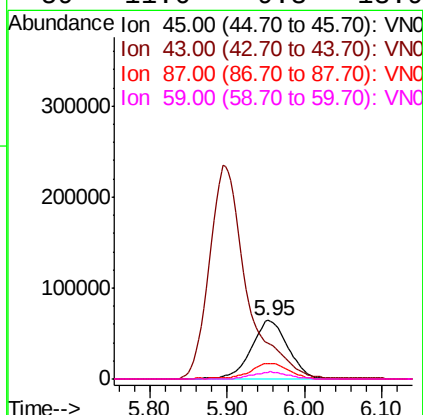
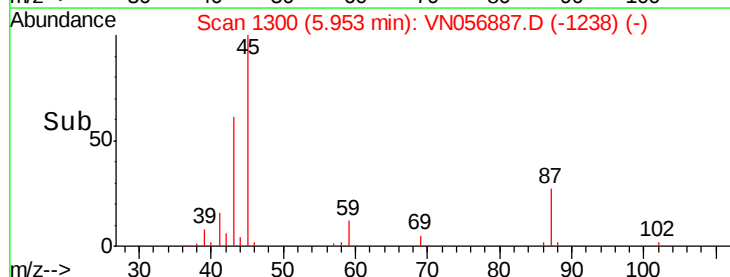
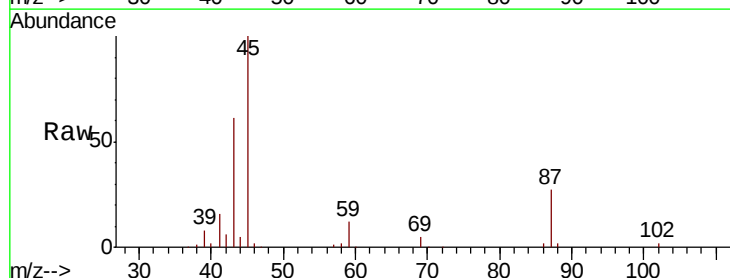
Instrument :
MSVOA_N
ClientSampled :

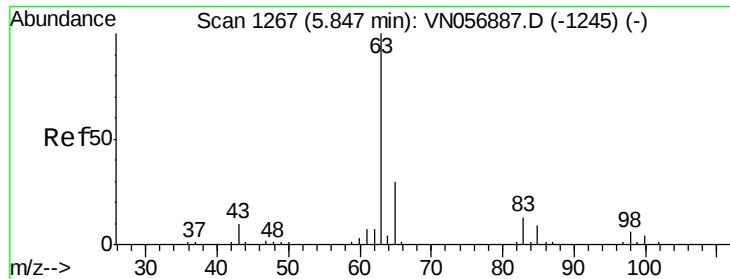
Tot Ion: 96 Resp: 64360
Ion Ratio Lower Upper
96 100
61 131.7 105.4 158.0
98 63.5 50.8 76.2



#20
Diisopropyl ether
Concen: 18.009 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 45 Resp: 213337
Ion Ratio Lower Upper
45 100
43 59.2 47.4 71.0
87 27.1 21.7 32.5
59 11.6 9.3 13.9

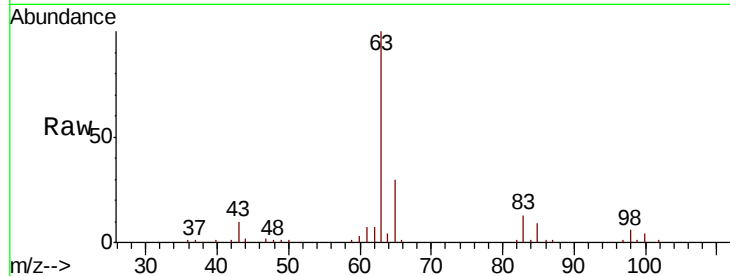




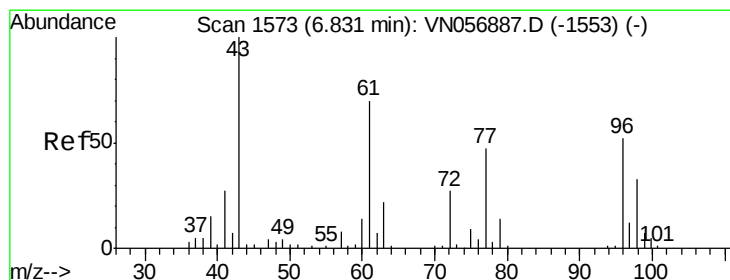
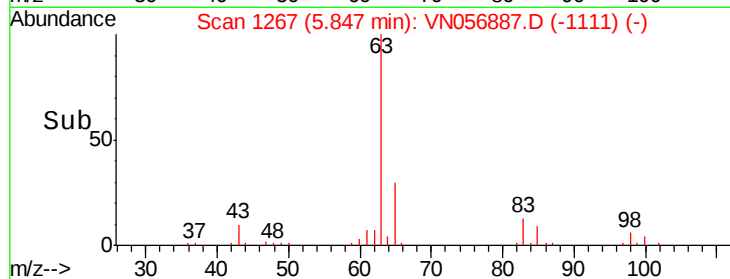
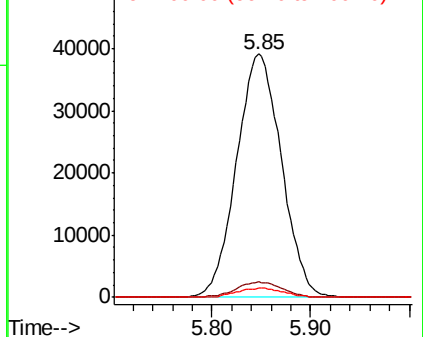
#21
 1,1-Dichloroethane
 Concen: 18.158 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.1	9.3
100	3.7	1.8	5.5

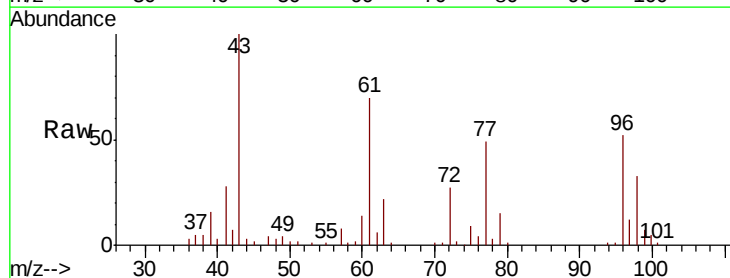


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

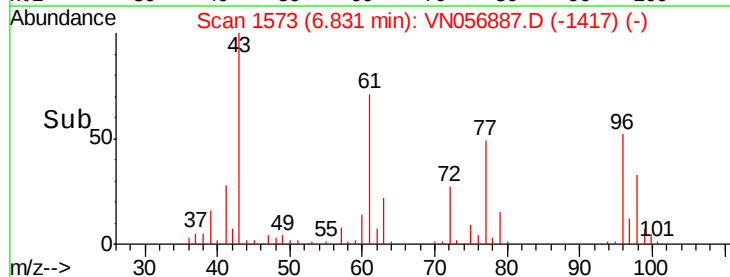
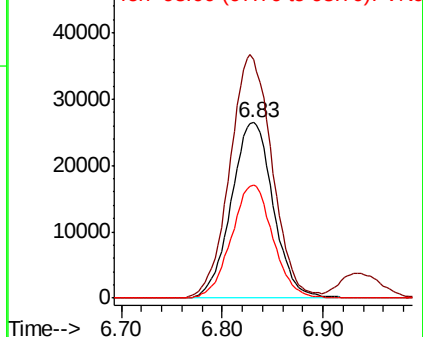


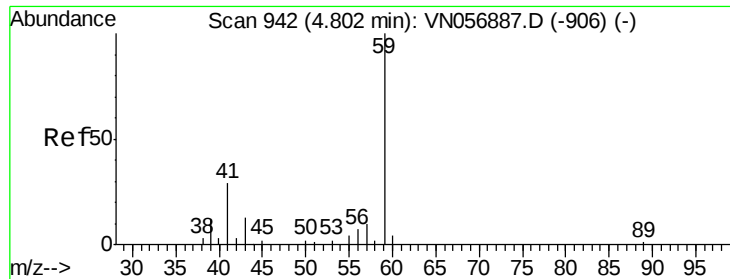
#22
 cis-1,2-Dichloroethene
 Concen: 17.961 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.5	111.6	167.4
98	63.7	51.0	76.4



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



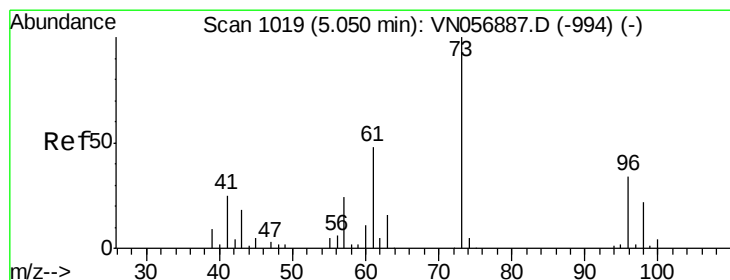
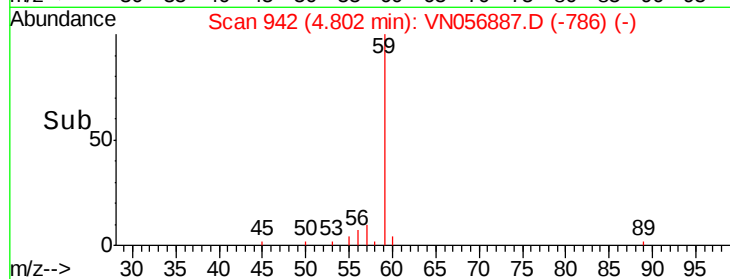
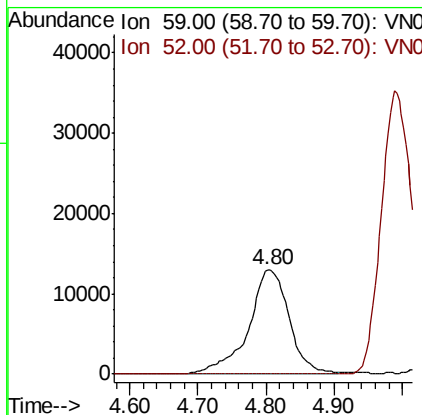
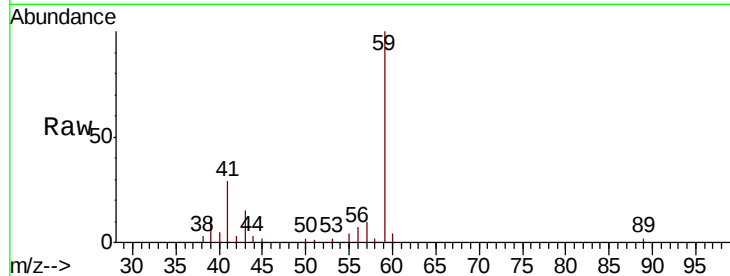


#23

tert-Butyl Alcohol
Concen: 78.856 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampled :

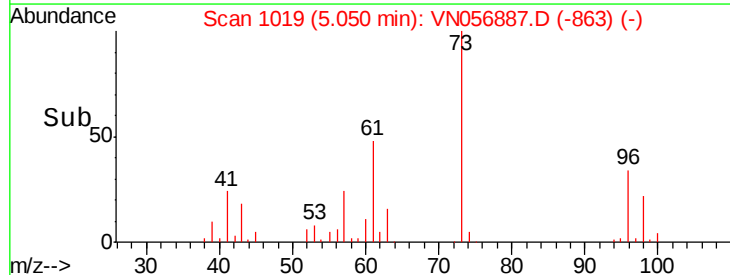
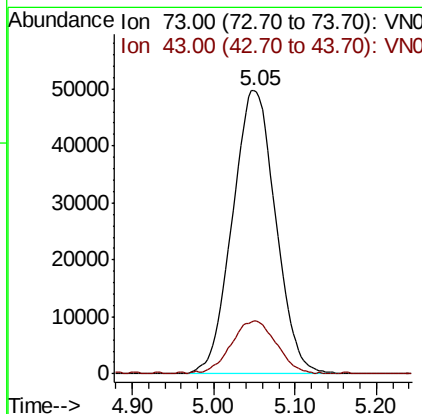
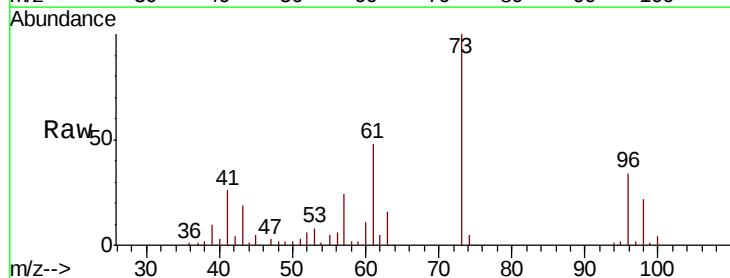
Tot Ion: 59 Resp: 54027
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

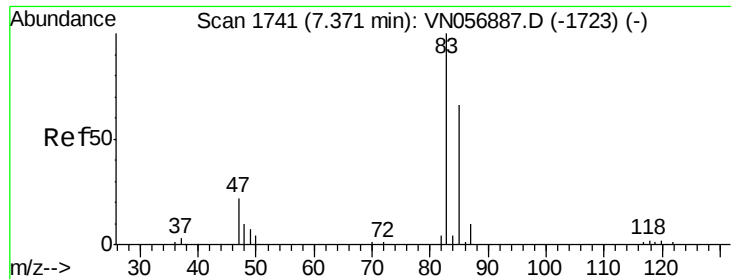


#24

Methyl tert-Butyl Ether
Concen: 17.004 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 73 Resp: 182833
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.0

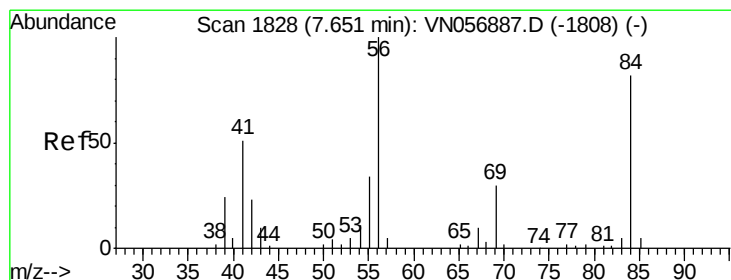
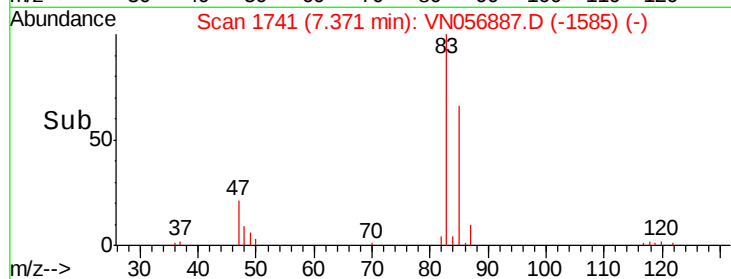
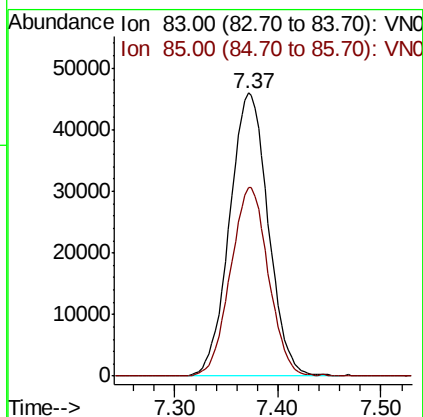
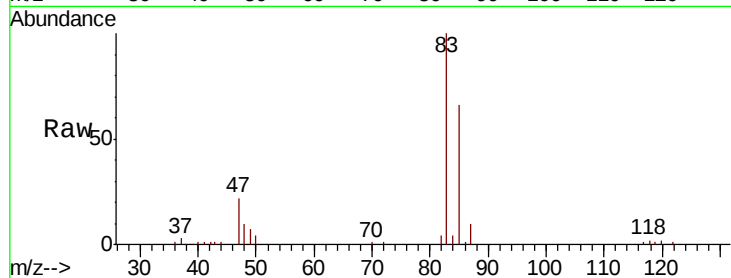




#25
Chloroform
Concen: 18.168 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

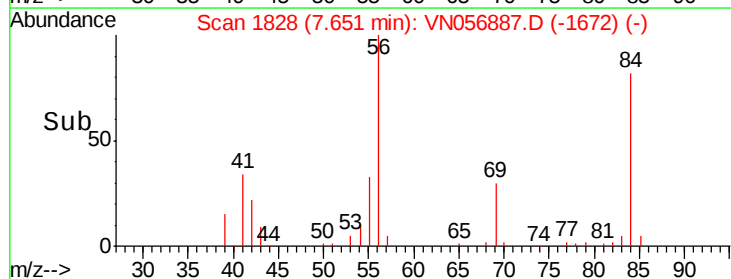
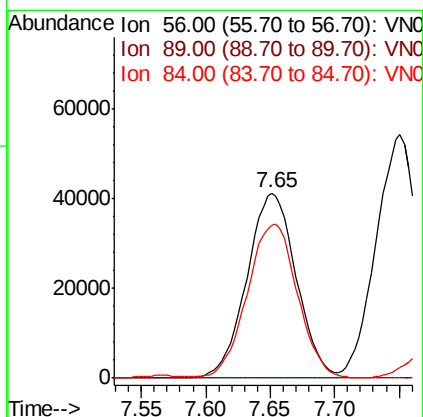
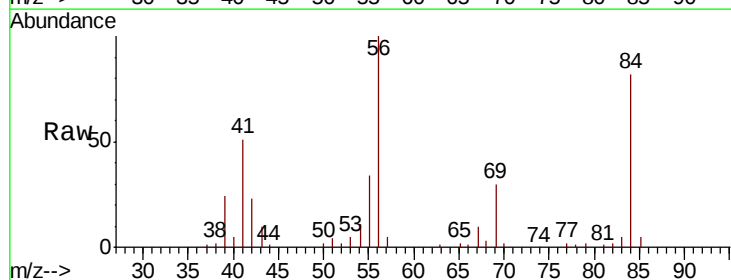
Instrument :
MSVOA_N
ClientSampled :

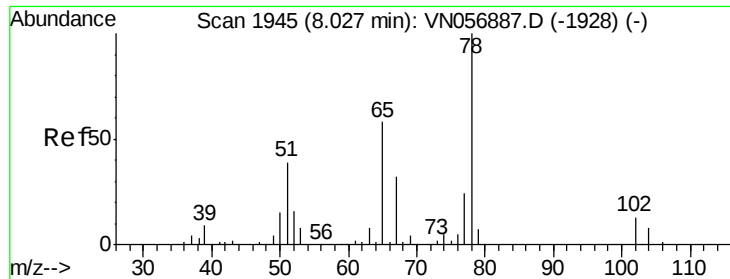
Tot Ion: 83 Resp: 119640
Ion Ratio Lower Upper
83 100
85 66.4 53.1 79.7



#26
Cyclohexane
Concen: 17.601 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 56 Resp: 109824
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.7 67.8 101.6

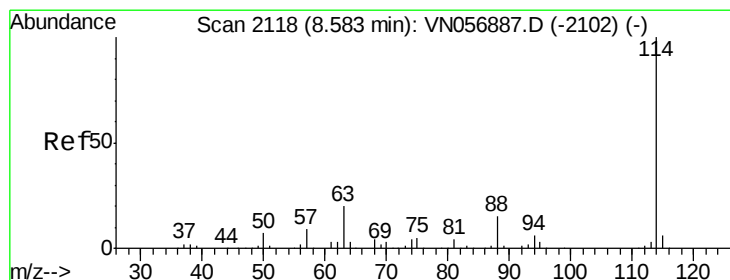
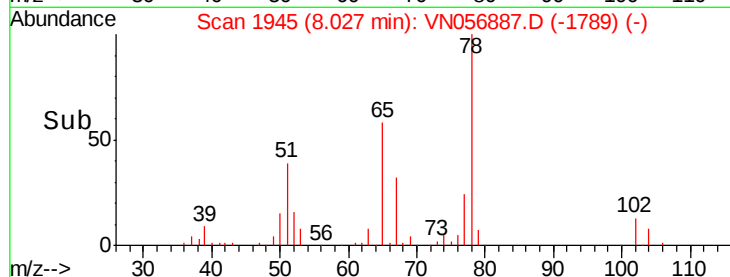
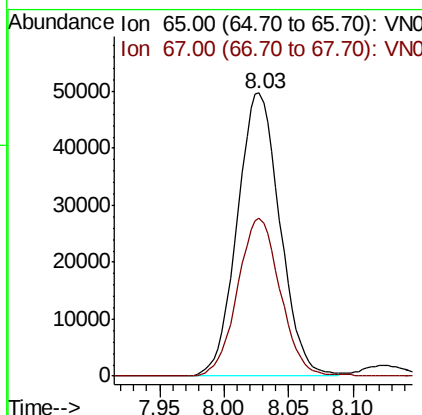
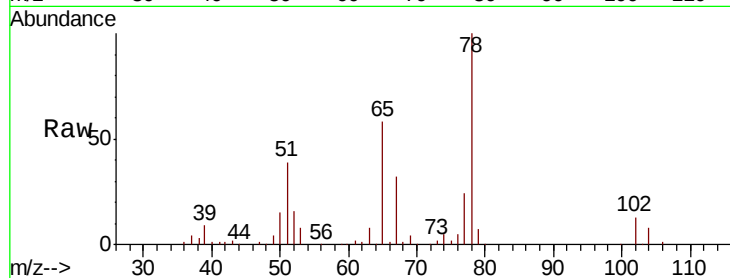




#27
 1,2-Dichloroethane-d4
 Concen: 28.870 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

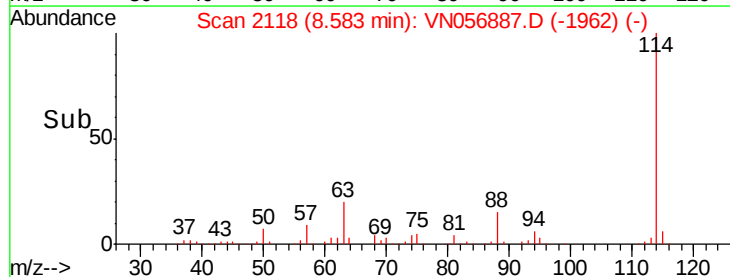
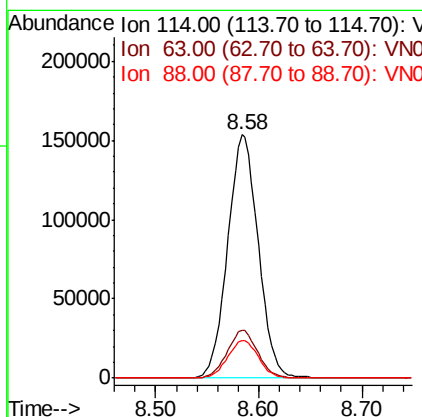
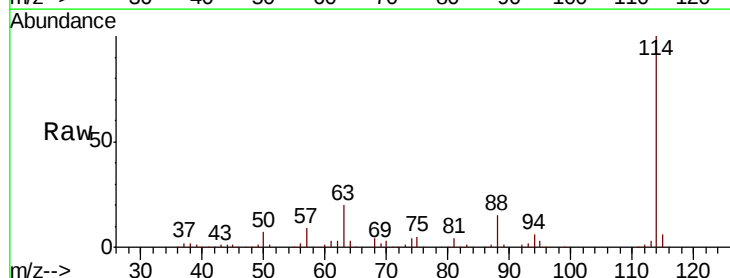
Instrument :
 MSVOA_N
 ClientSampleId :

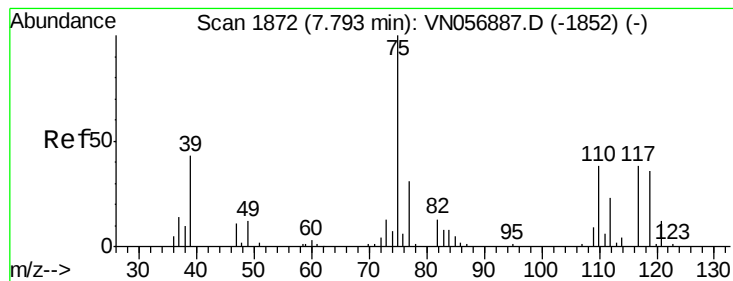
Tot Ion: 65 Resp: 114738
 Ion Ratio Lower Upper
 65 100
 67 55.7 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 114 Resp: 316957
 Ion Ratio Lower Upper
 114 100
 63 19.7 15.8 23.6
 88 15.6 12.5 18.7





#29

1,1-Dichloropropene

Concen: 17.895 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

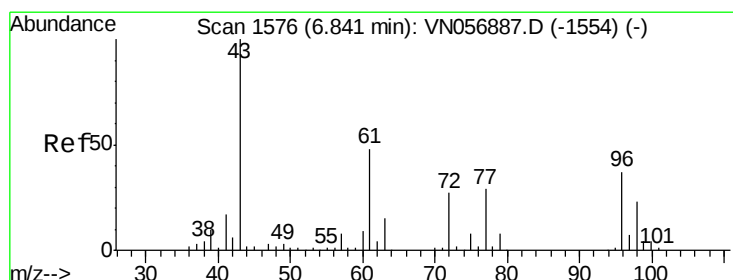
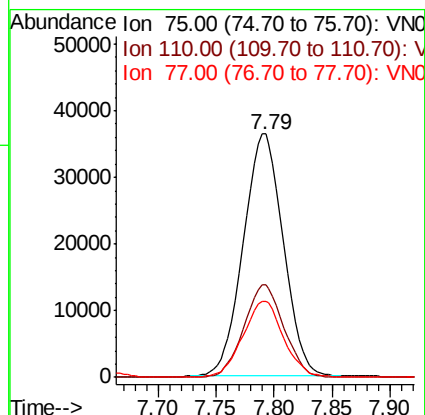
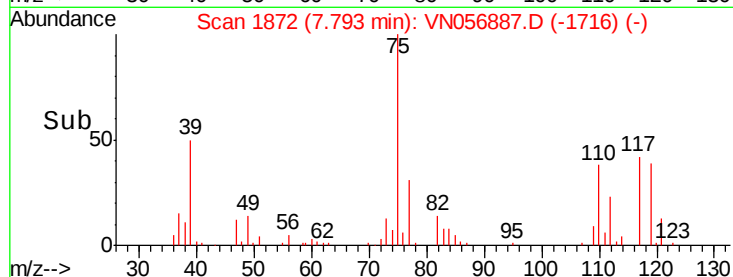
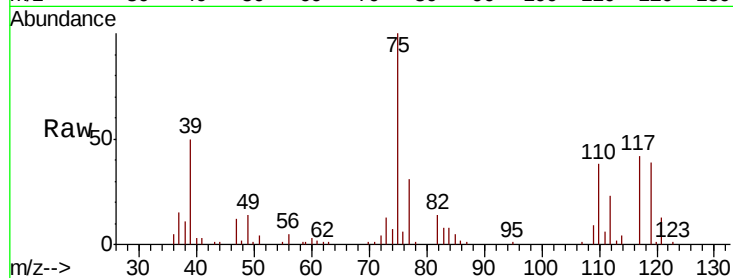
Tot Ion: 75 Resp: 87201

Ion Ratio Lower Upper

75 100

110 37.9 0.0 75.8

77 32.0 0.0 64.0



#30

2-Butanone

Concen: 67.472 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

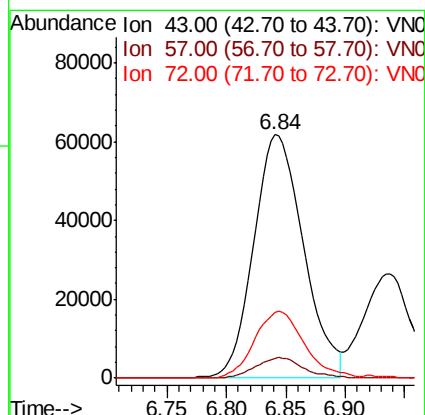
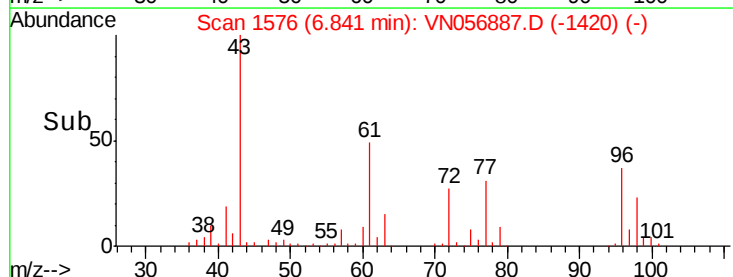
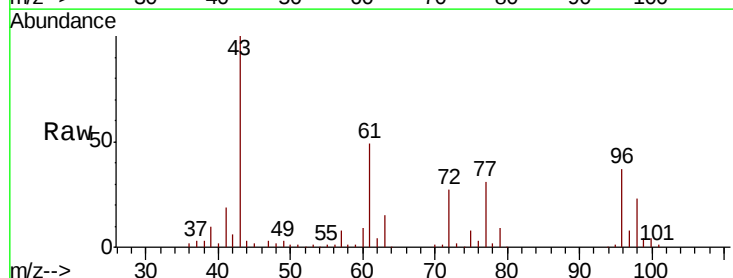
Tgt Ion: 43 Resp: 178510

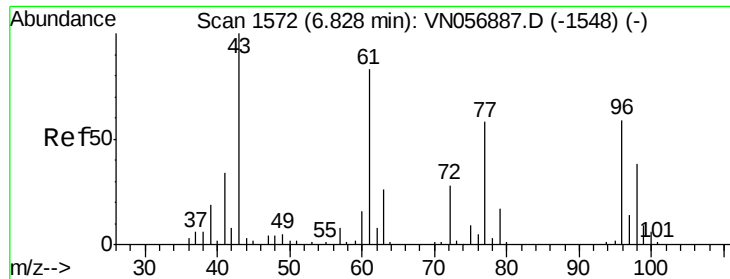
Ion Ratio Lower Upper

43 100

57 8.1 6.5 9.7

72 27.6 22.1 33.1





#31

2,2-Dichloropropane

Concen: 17.315 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

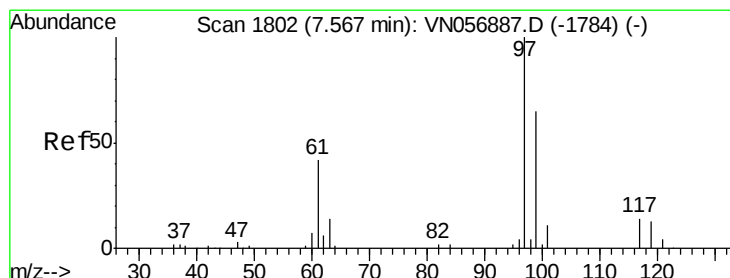
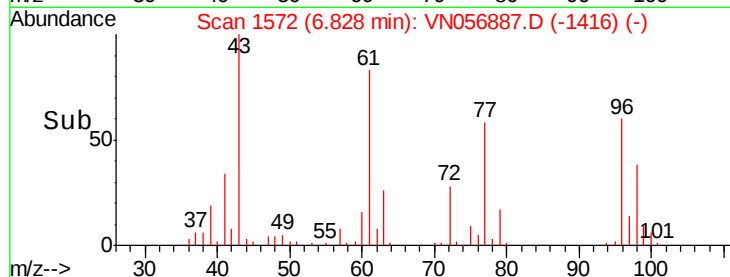
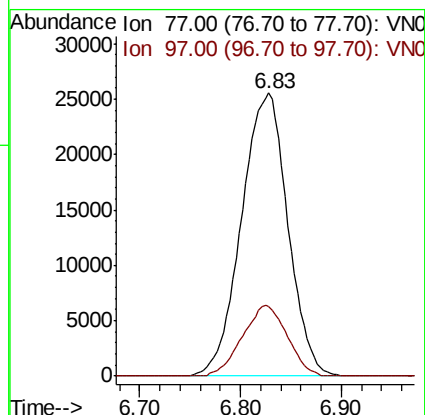
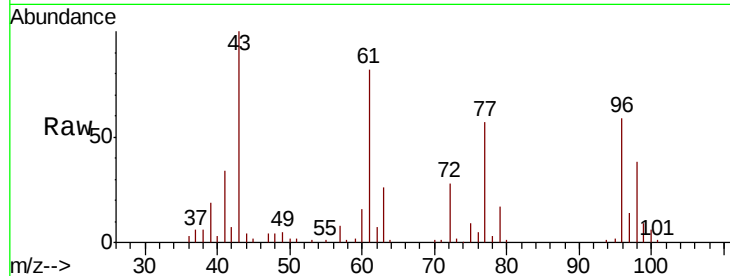
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 77 Resp: 81437

Ion Ratio Lower Upper

77 100

97 24.1 19.3 28.9



#32

1,1,1-Trichloroethane

Concen: 18.407 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

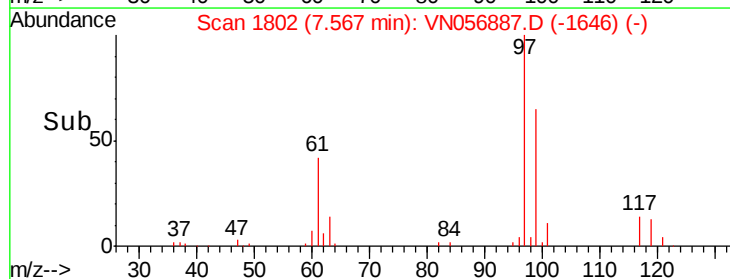
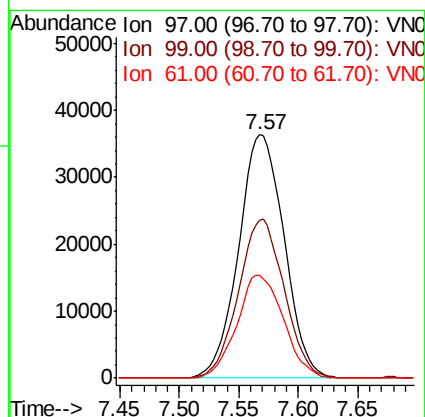
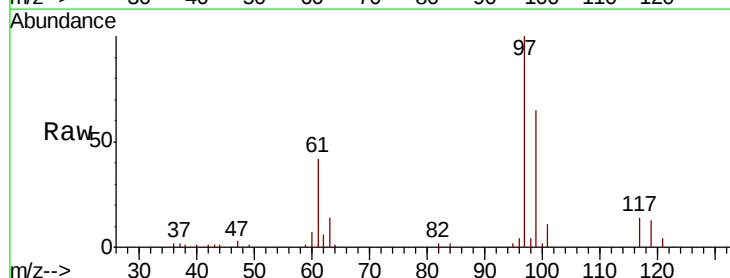
Tgt Ion: 97 Resp: 96516

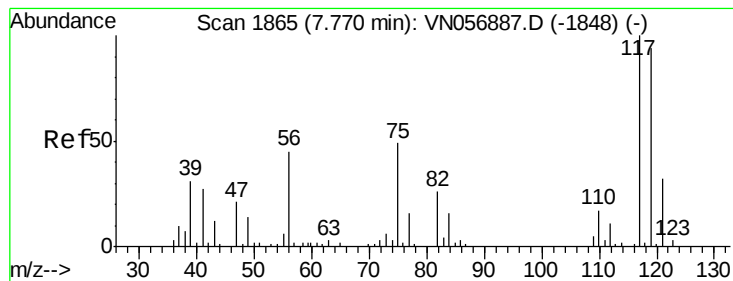
Ion Ratio Lower Upper

97 100

99 65.4 52.3 78.5

61 43.0 34.4 51.6





#33

Carbon Tetrachloride

Concen: 18.310 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

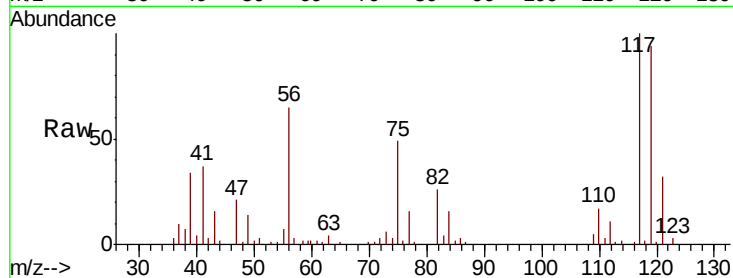
Tot Ion:117 Resp: 82571

Ion Ratio Lower Upper

117 100

119 93.9 75.1 112.7

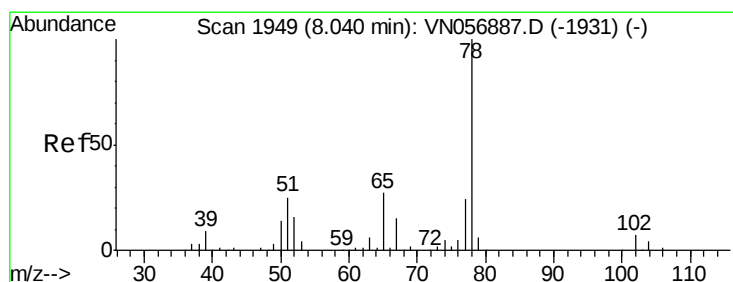
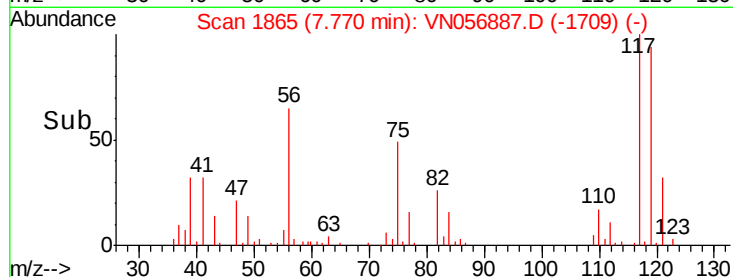
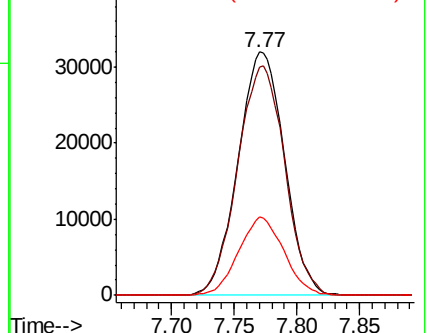
121 32.3 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.628 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

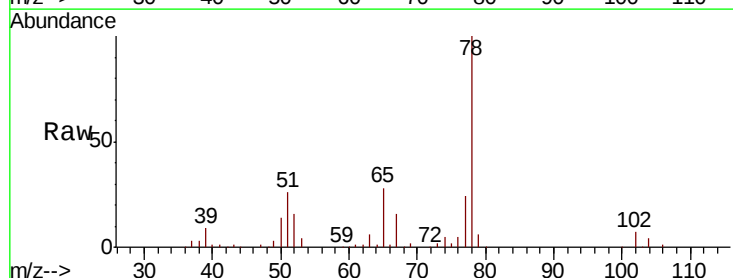
Tgt Ion: 78 Resp: 281204

Ion Ratio Lower Upper

78 100

77 24.3 19.4 29.2

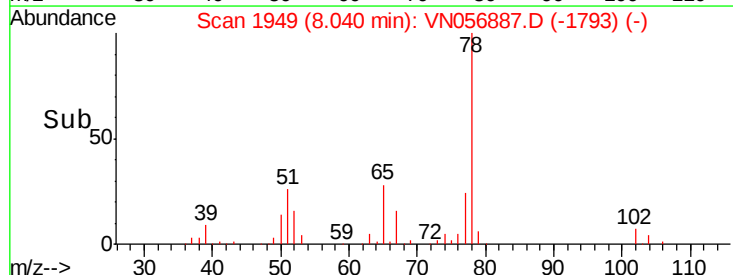
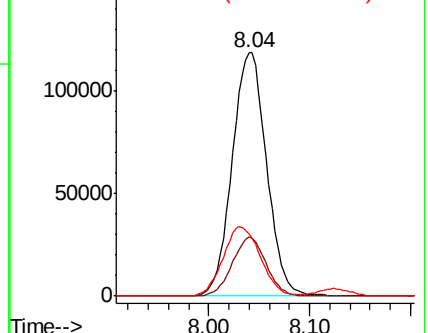
51 25.5 20.4 30.6

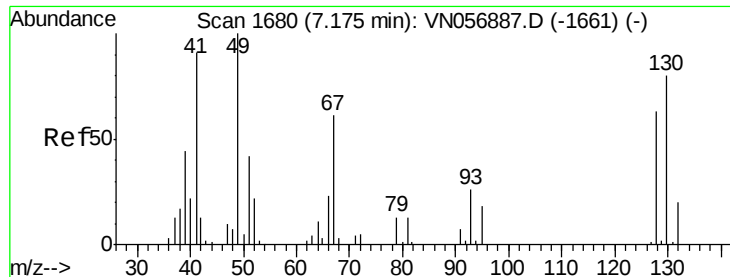


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

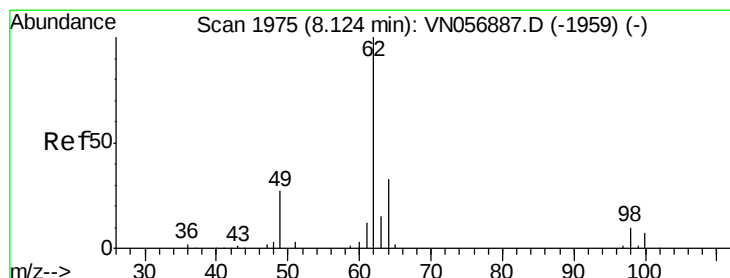
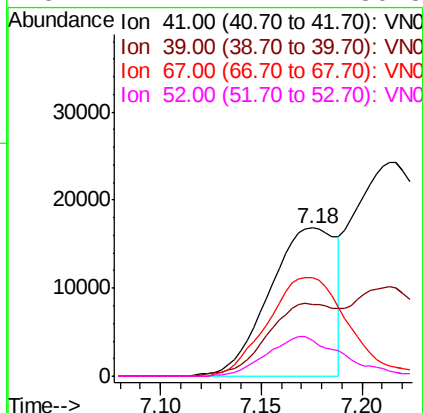
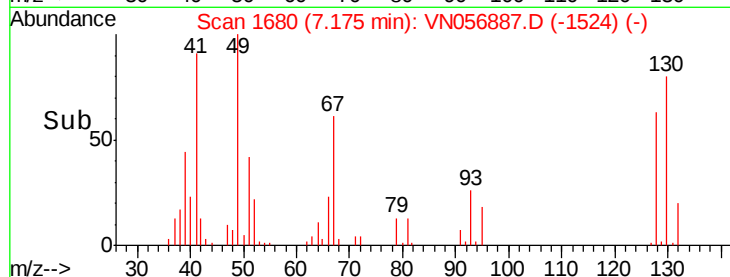
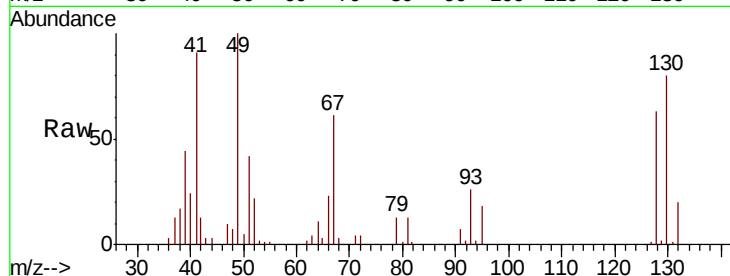




#35
Methacrylonitrile
Concen: 17.433 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

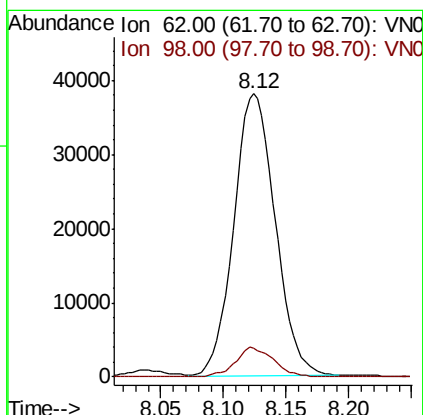
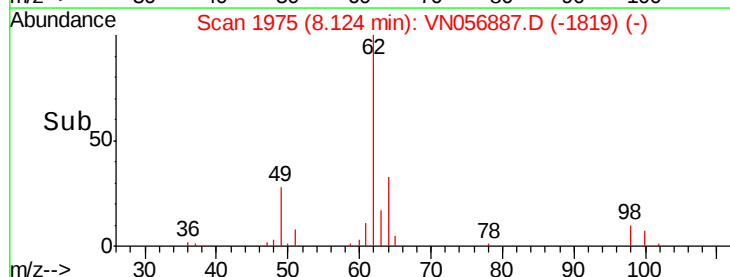
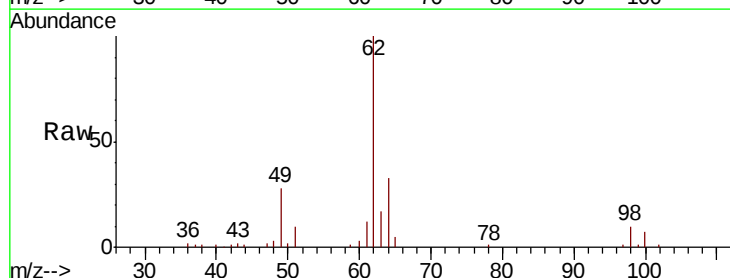
Instrument :
MSVOA_N
ClientSampleId :

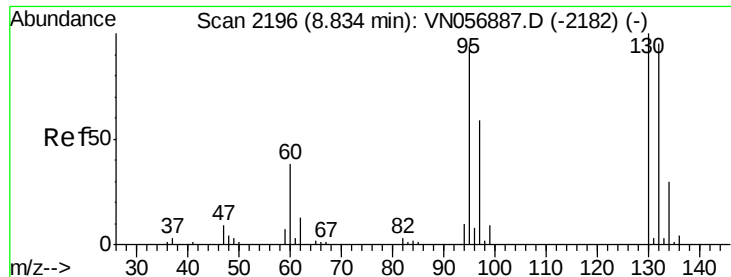
Tot Ion: 41 Resp: 38609
Ion Ratio Lower Upper
41 100
39 48.8 24.4 73.2
67 66.7 33.4 100.1
52 24.2 12.1 36.3



#36
1,2-Dichloroethane
Concen: 18.122 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 62 Resp: 87321
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

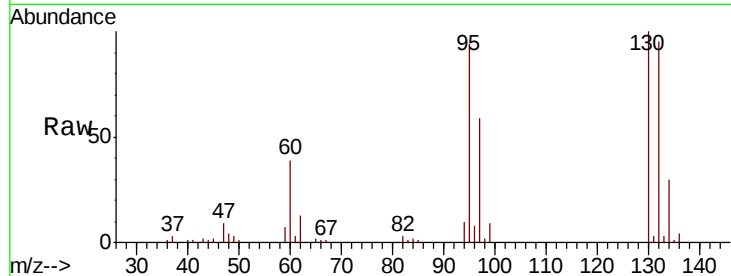




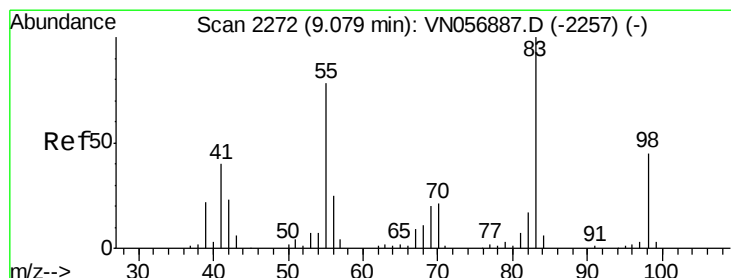
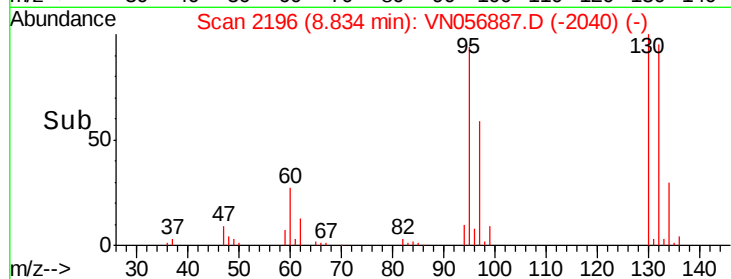
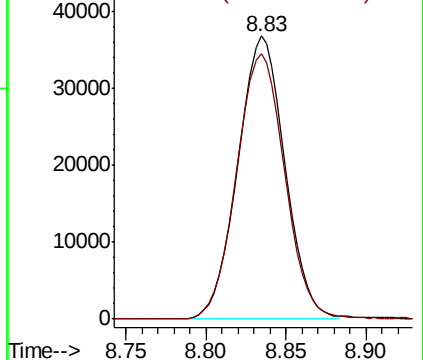
#37
 Trichloroethene
 Concen: 18.130 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 73976
 Ion Ratio Lower Upper
 130 100
 95 93.6 74.9 112.3

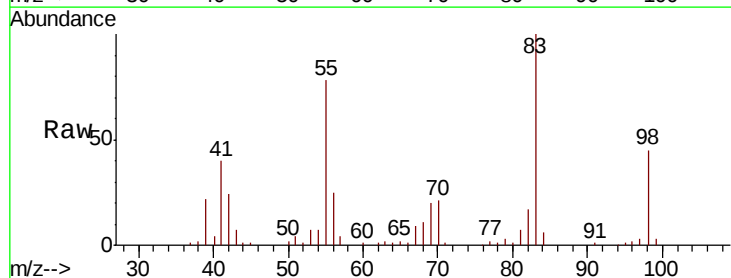


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

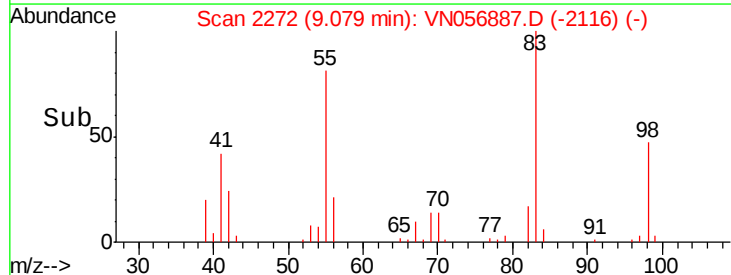
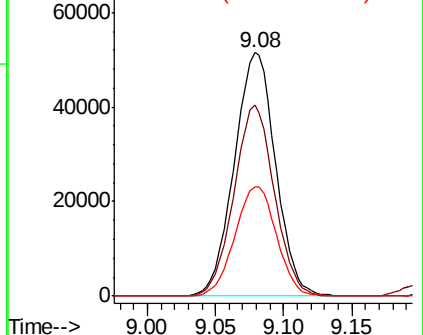


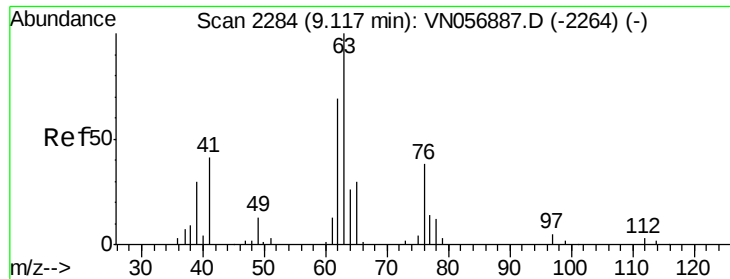
#38
 Methylcyclohexane
 Concen: 17.650 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 83 Resp: 108361
 Ion Ratio Lower Upper
 83 100
 55 76.7 38.4 115.1
 98 45.3 22.7 68.0



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

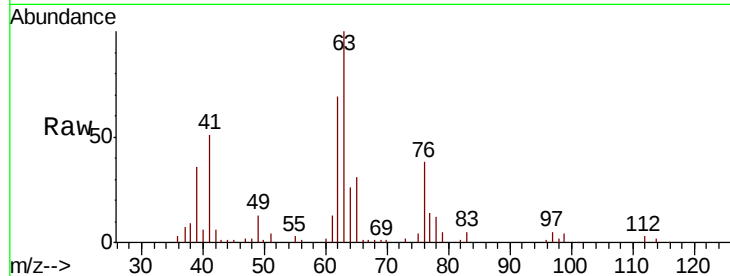




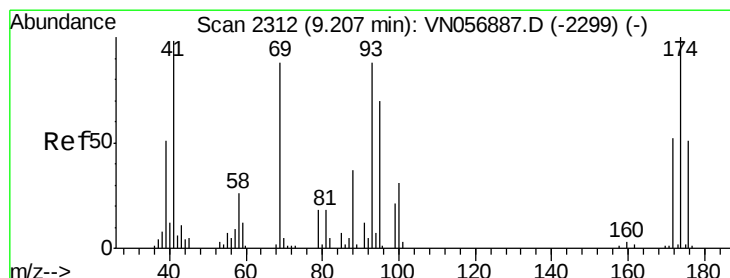
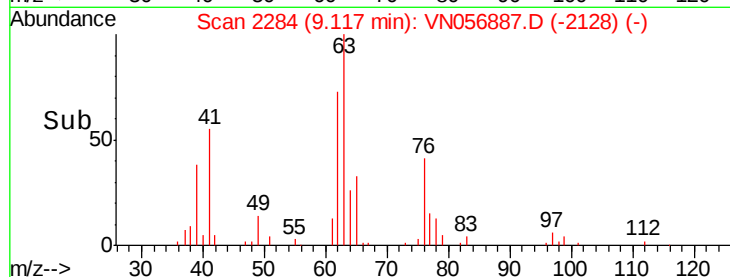
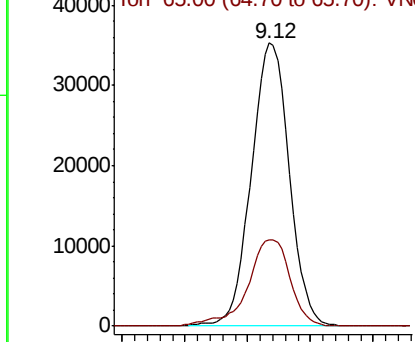
#39
 1,2-Dichloropropane
 Concen: 18.367 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 74250
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8

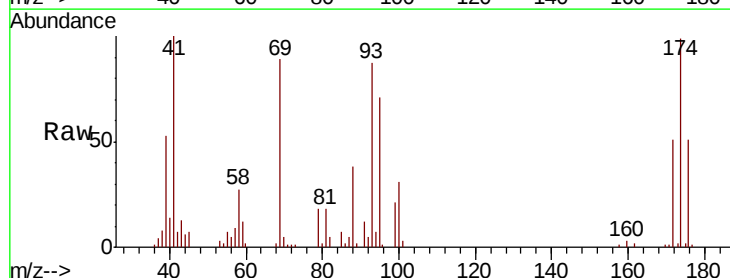


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 65.00 (64.70 to 65.70): VN0

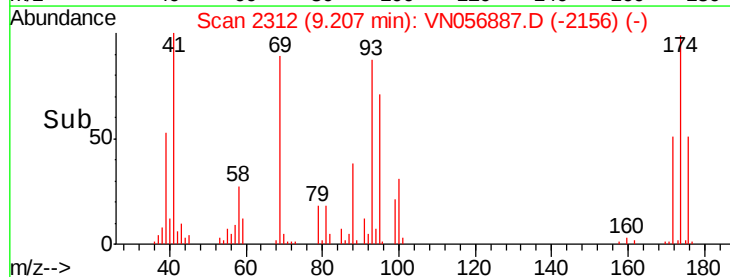
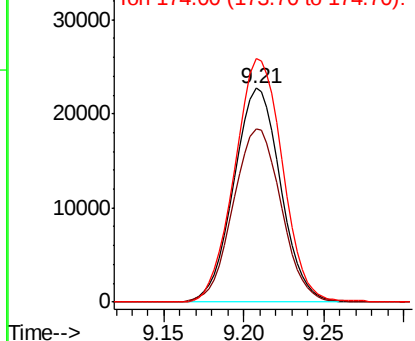


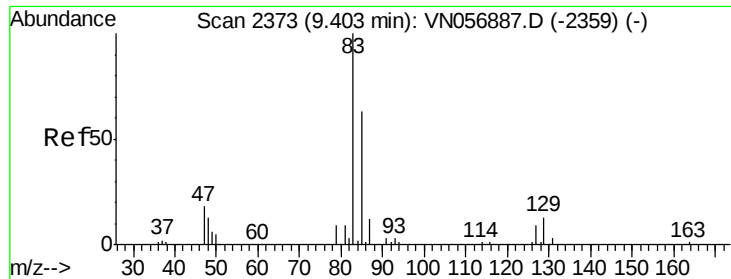
#40
 Dibromomethane
 Concen: 17.765 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 93 Resp: 45534
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 165.8
 174 116.2 0.0 232.4



Abundance Ion 93.00 (92.70 to 93.70): VN0
 Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.145 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

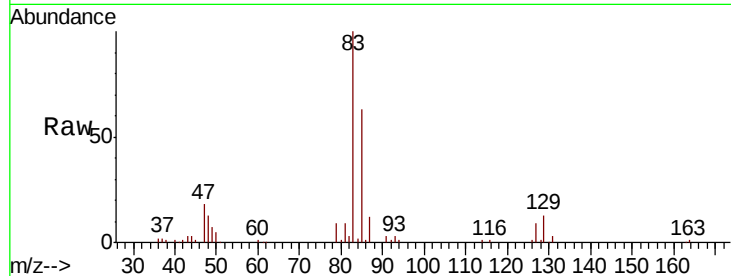
Tot Ion: 83 Resp: 86218

Ion Ratio Lower Upper

83 100

85 63.2 50.6 75.8

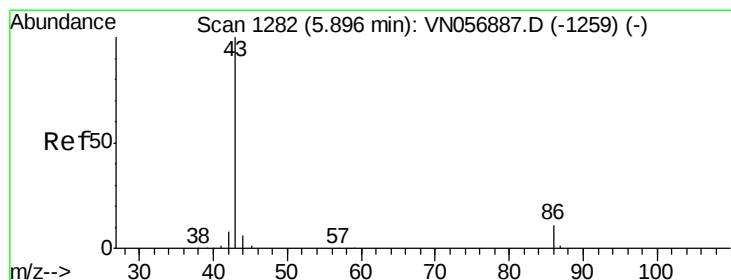
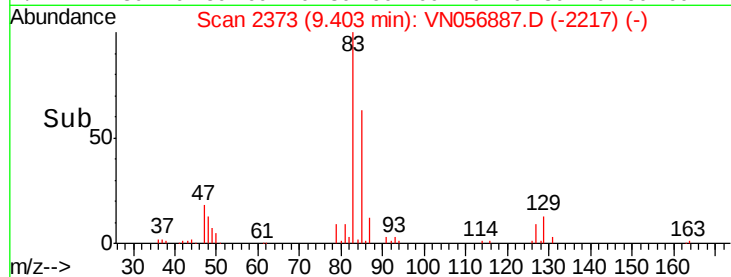
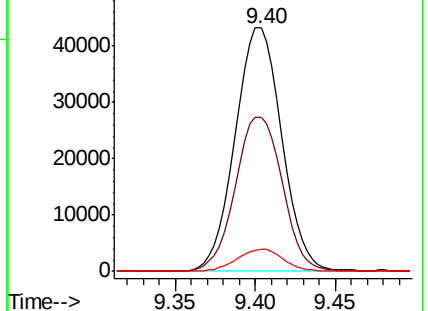
127 9.0 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN056887.D (-2359) (-)

Ion 85.00 (84.70 to 85.70): VN056887.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN056887.D (-2359) (-)



#42

Vinyl Acetate

Concen: 84.857 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056887.D

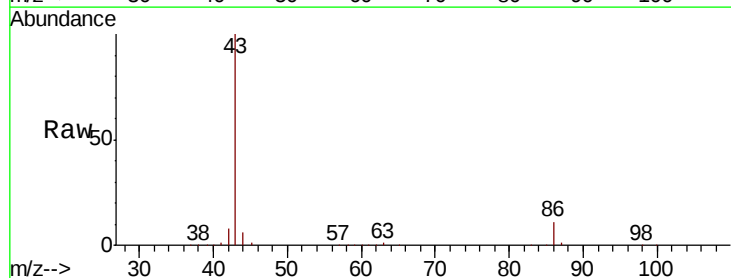
Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 788383

Ion Ratio Lower Upper

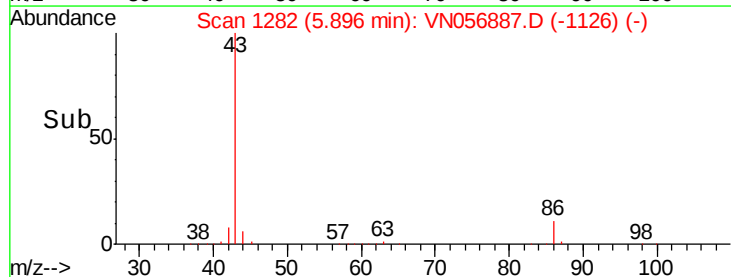
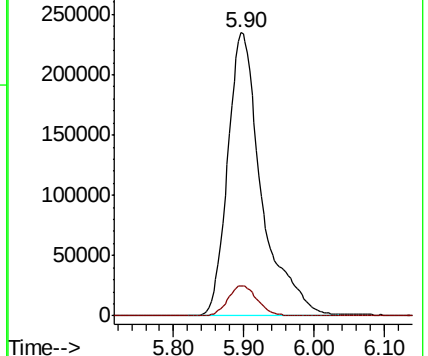
43 100

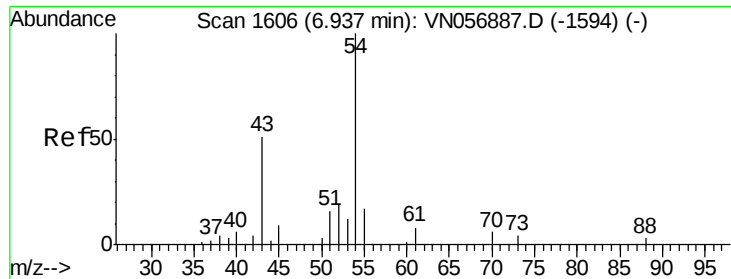
86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056887.D (-1259) (-)

Ion 86.00 (85.70 to 86.70): VN056887.D (-1259) (-)





#43

Ethyl Acetate

Concen: 14.646 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

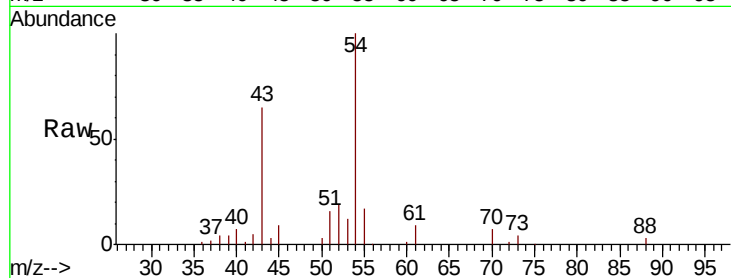
ClientSampled :

Tot Ion: 43 Resp: 71842

Ion Ratio Lower Upper

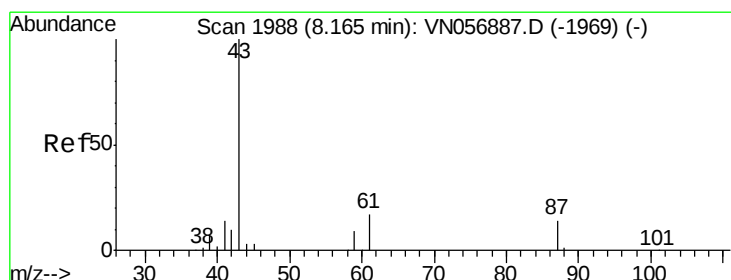
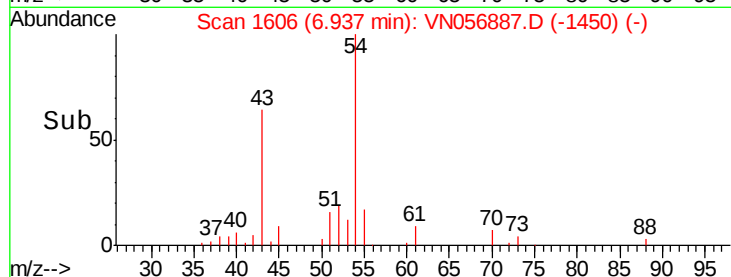
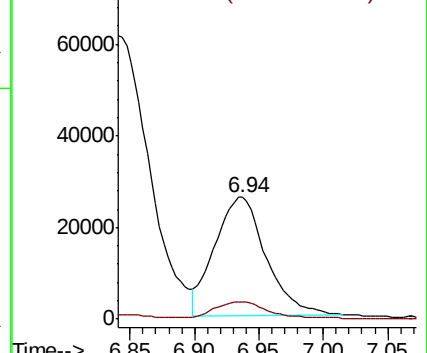
43 100

45 12.7 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 15.626 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056887.D

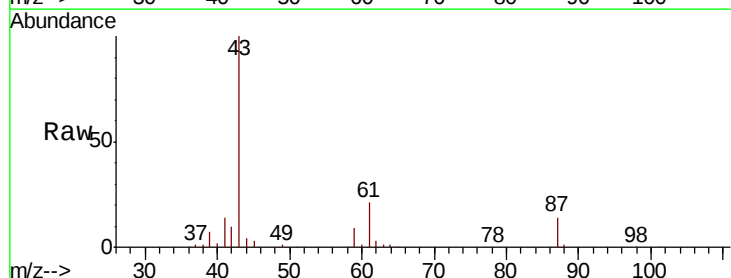
Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 122125

Ion Ratio Lower Upper

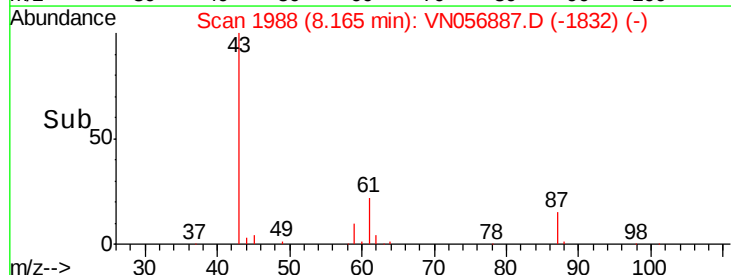
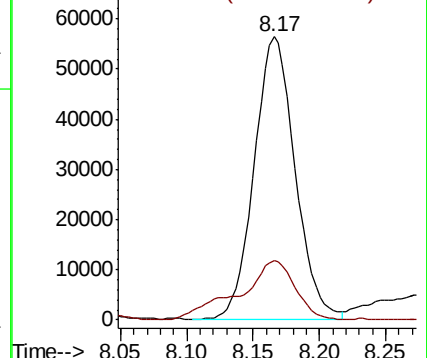
43 100

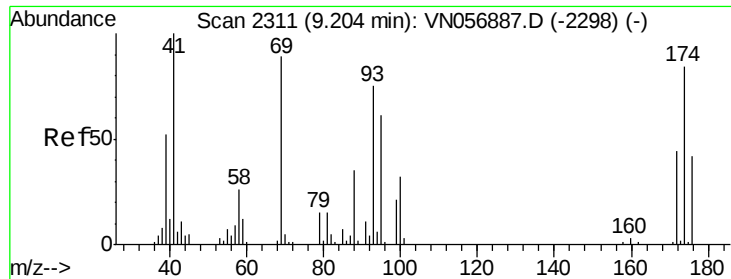
61 28.7 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

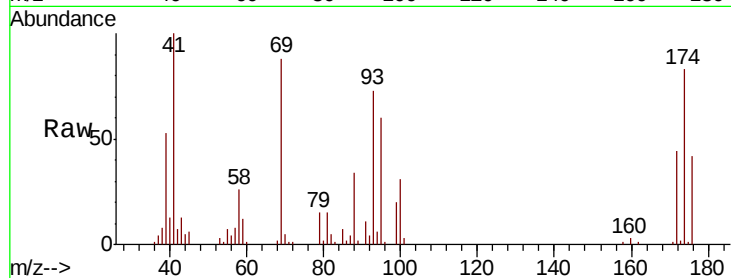




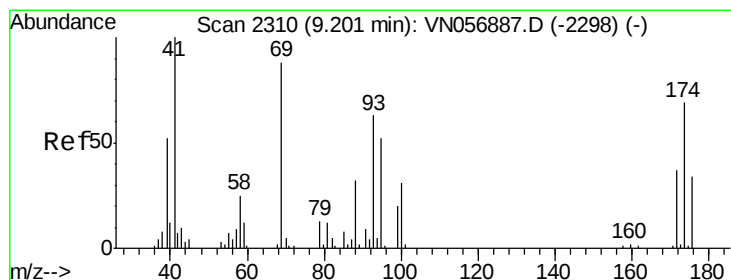
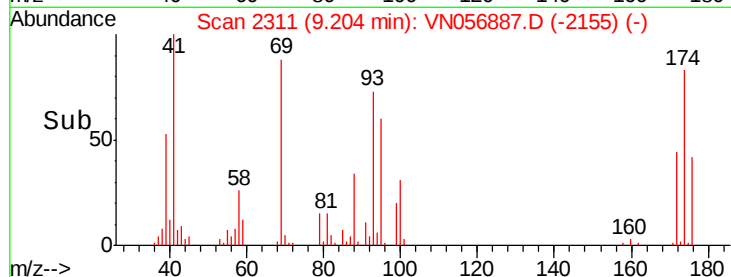
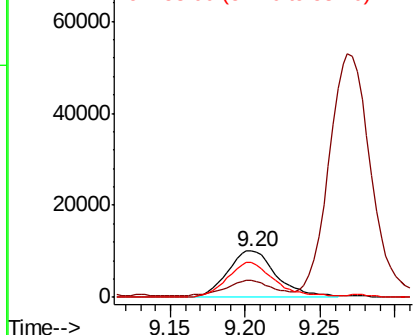
#45
 1,4-Dioxane
 Concen: 299.860 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 23145
 Ion Ratio Lower Upper
 88 100
 43 29.2 23.4 35.0
 58 73.1 58.5 87.7

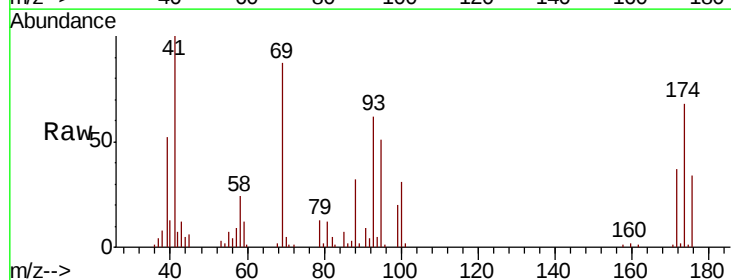


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

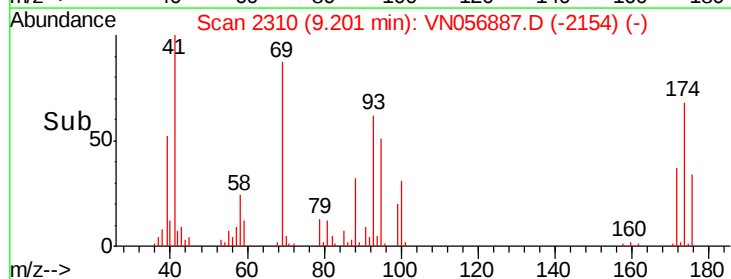
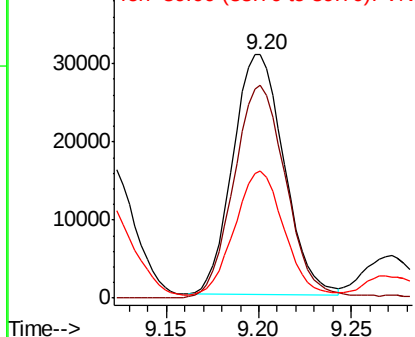


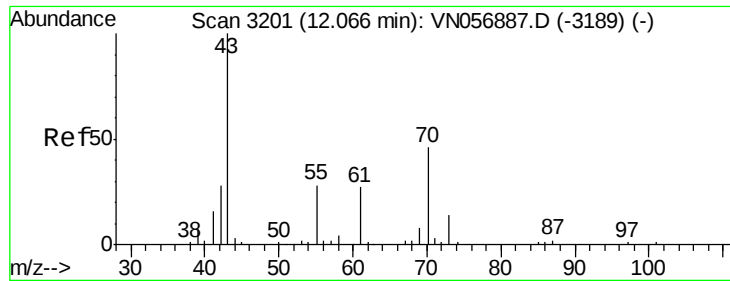
#46
 Methyl methacrylate
 Concen: 15.745 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 41 Resp: 58966
 Ion Ratio Lower Upper
 41 100
 69 88.0 44.0 132.0
 39 51.6 25.8 77.4



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





#47

n-amvl Acetate

Concen: 14.356 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

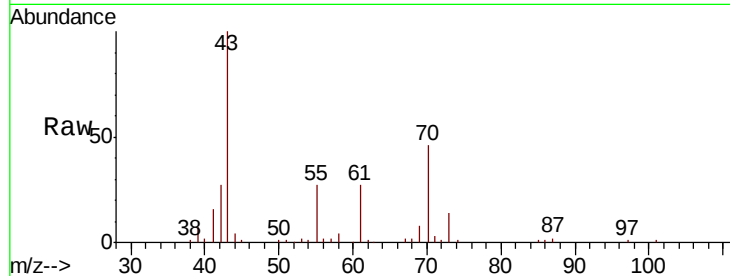
ClientSampleId :

Tot Ion: 43 Resp: 90998

Ion Ratio Lower Upper

43 100

55 26.6 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

60000

50000

40000

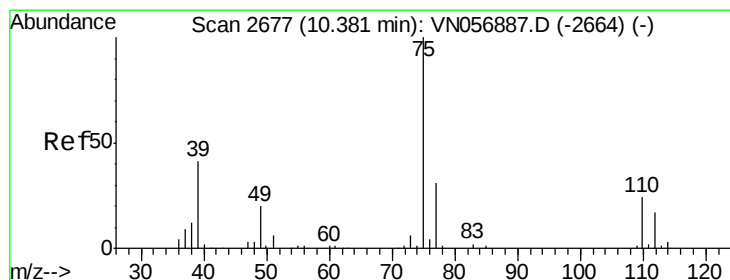
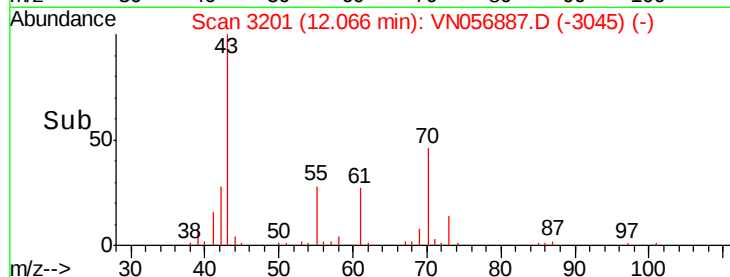
30000

20000

10000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 16.591 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056887.D

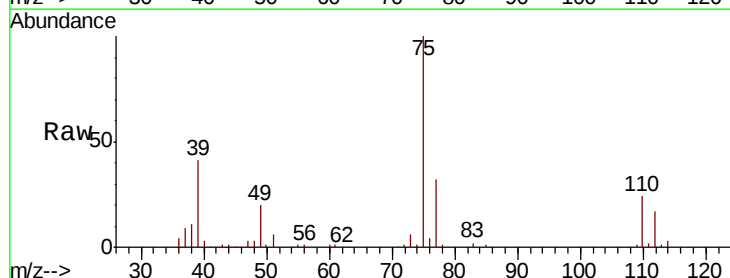
Acq: 23 Jul 2019 19:28

Tgt Ion: 75 Resp: 85993

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

50000

40000

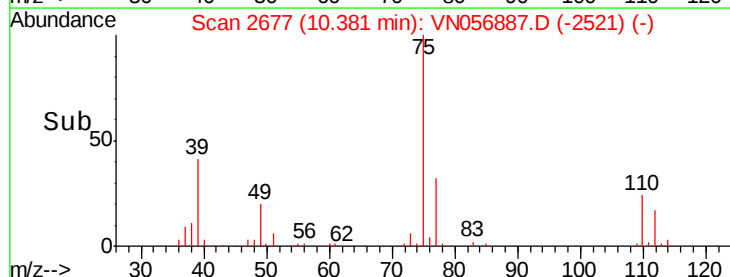
30000

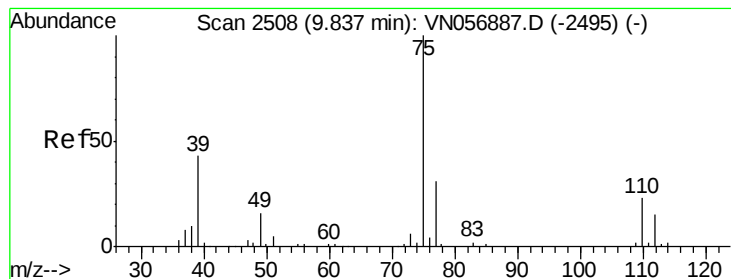
20000

10000

0

Time-->



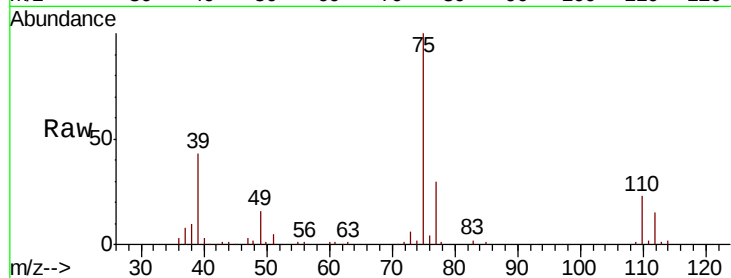


#49

cis-1,3-Dichloropropene
 Concen: 17.526 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6
39	42.8	34.2	51.4

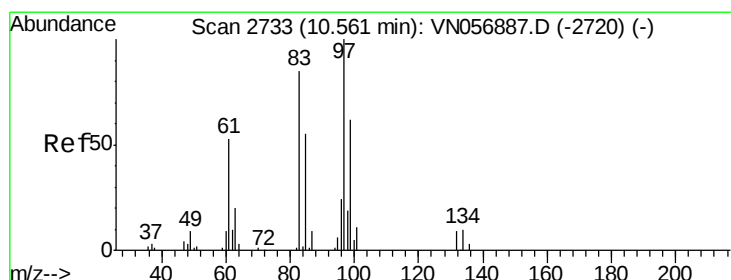
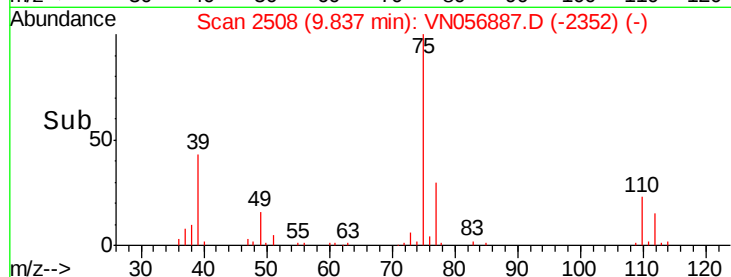
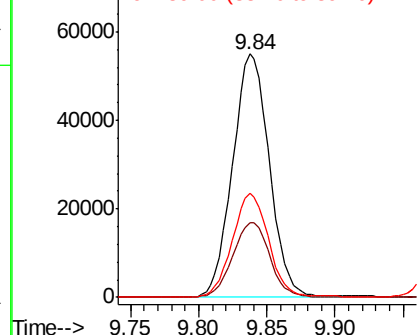


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

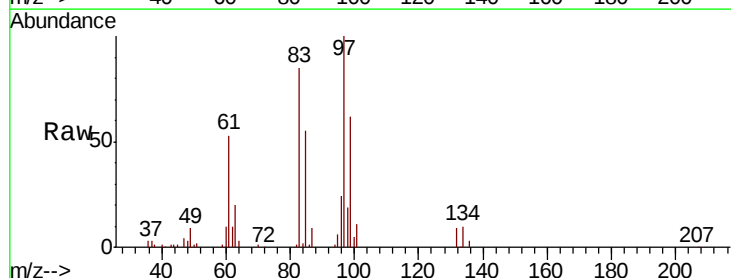
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
 Concen: 17.995 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.4	102.6
85	55.4	44.3	66.5
99	61.8	49.4	74.2



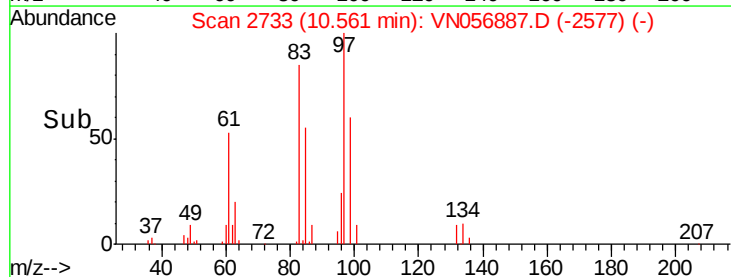
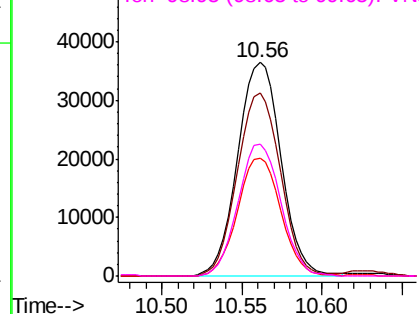
Abundance

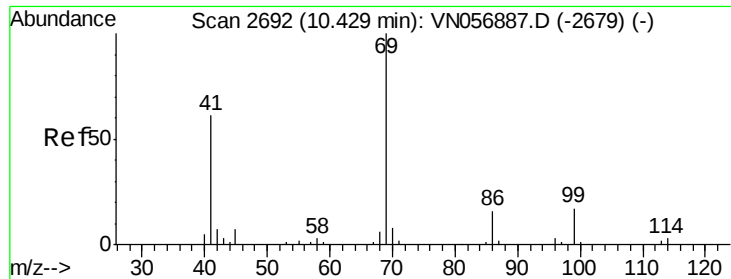
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 16.323 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

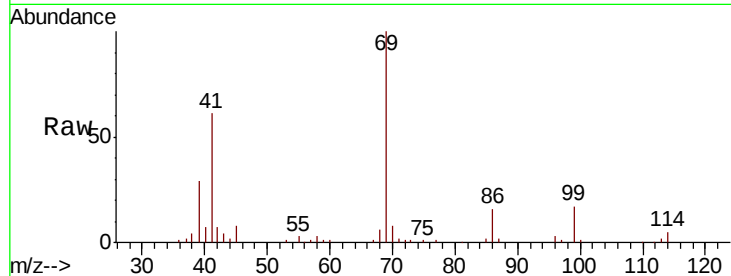
Tot Ion: 69 Resp: 92790

Ion	Ratio	Lower	Upper
69	100		
41	60.9	30.4	91.3
39	28.4	14.2	42.6

69 100

41 60.9 30.4 91.3

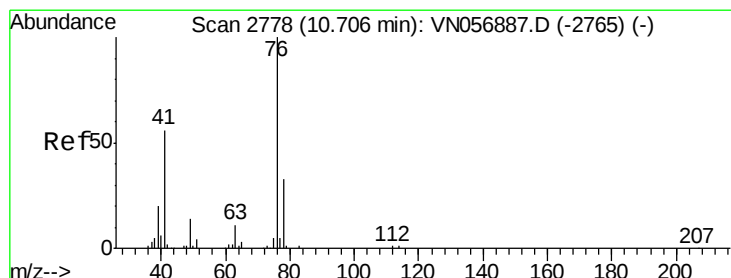
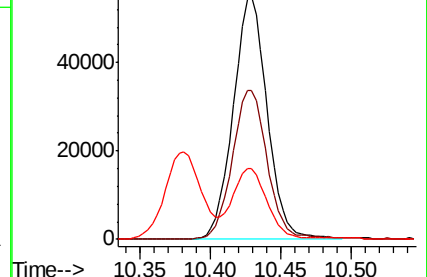
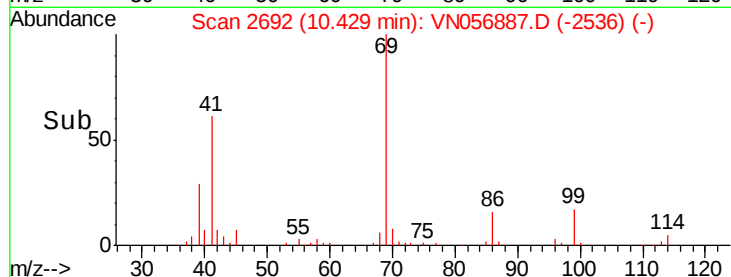
39 28.4 14.2 42.6



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



#52

1,3-Dichloropropane

Concen: 17.937 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056887.D

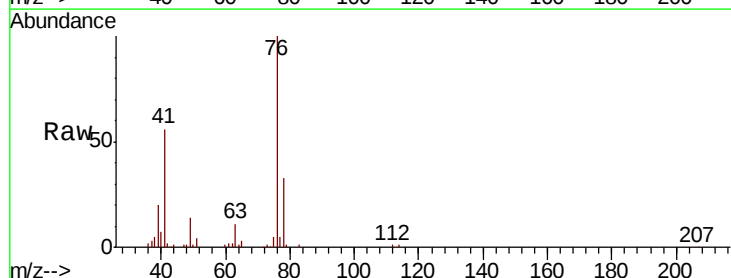
Acq: 23 Jul 2019 19:28

Tgt Ion: 76 Resp: 111693

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2

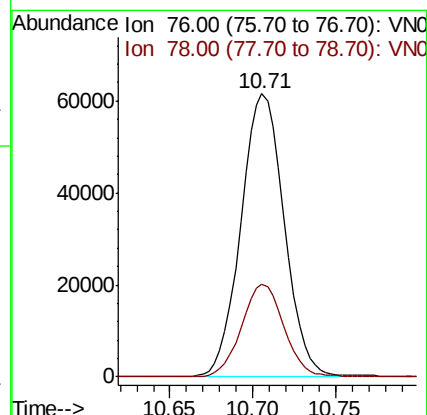
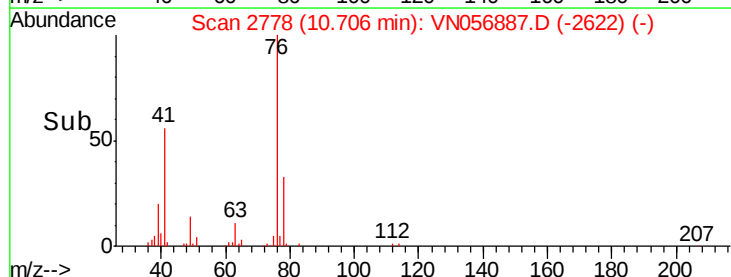
76 100

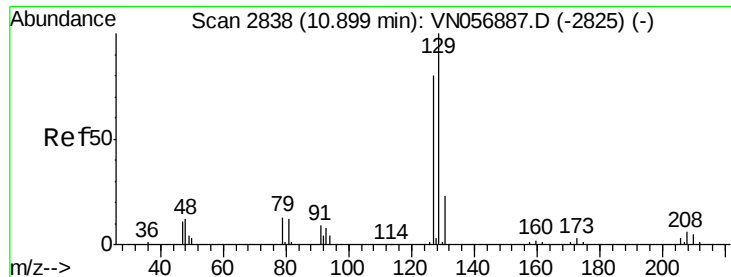
78 32.1 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.468 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

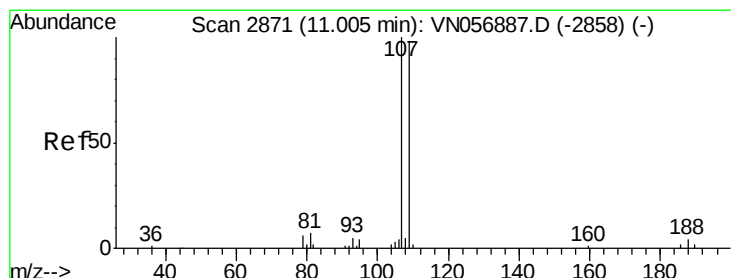
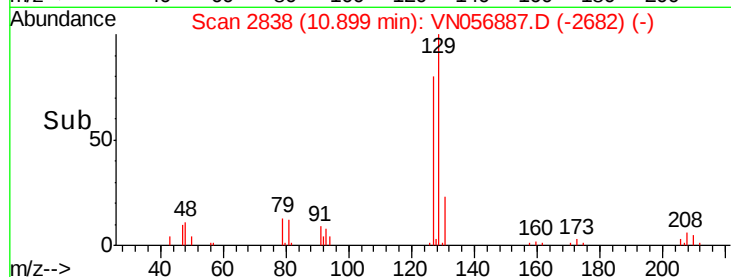
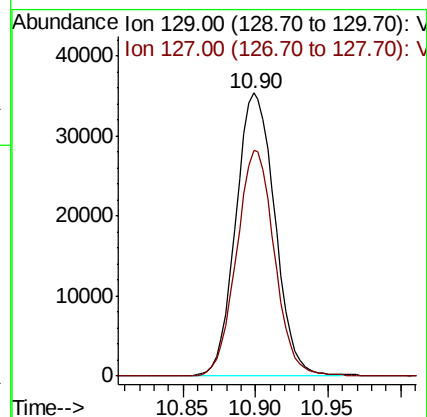
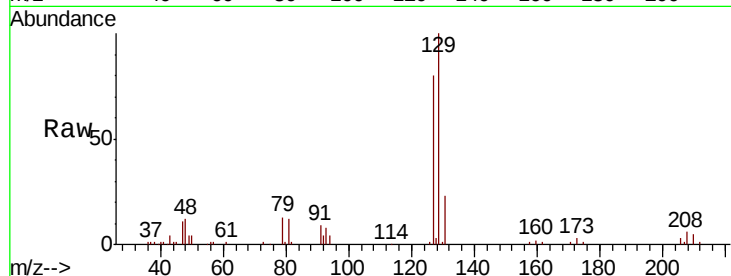
ClientSampleId :

Tot Ion:129 Resp: 66298

Ion Ratio Lower Upper

129 100

127 77.6 38.8 116.4



#54

1,2-Dibromoethane

Concen: 17.120 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056887.D

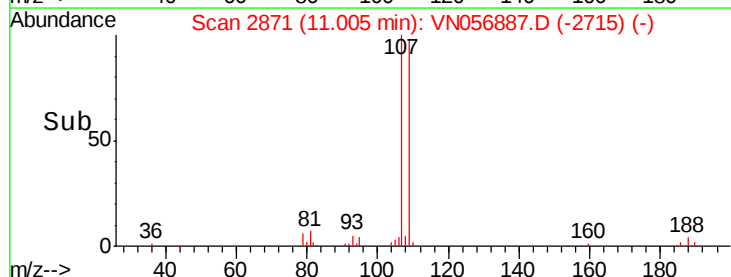
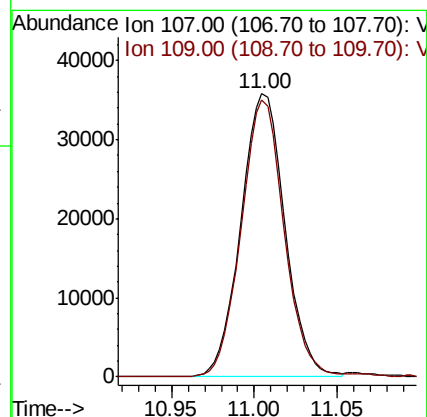
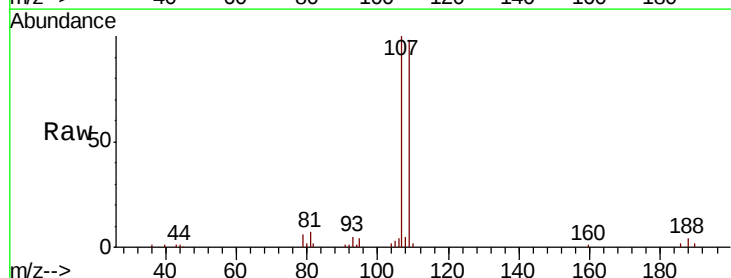
Acq: 23 Jul 2019 19:28

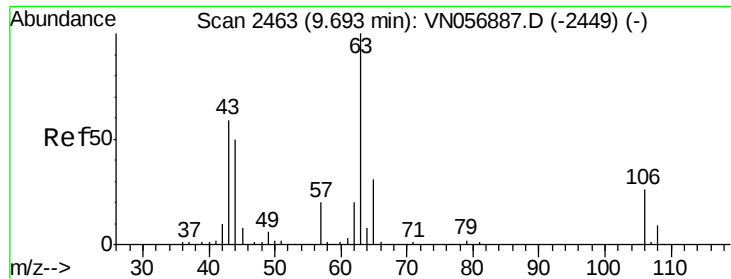
Tgt Ion:107 Resp: 66200

Ion Ratio Lower Upper

107 100

109 95.2 76.2 114.2

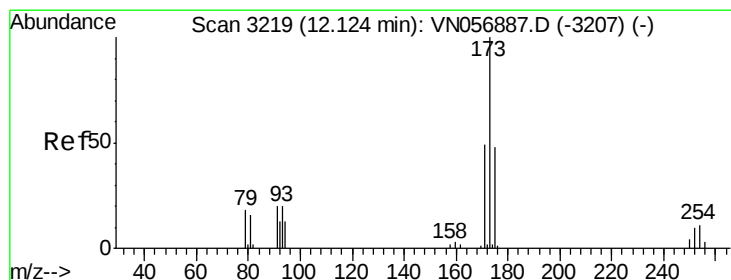
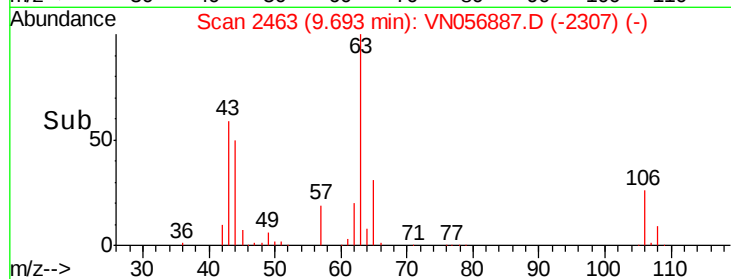
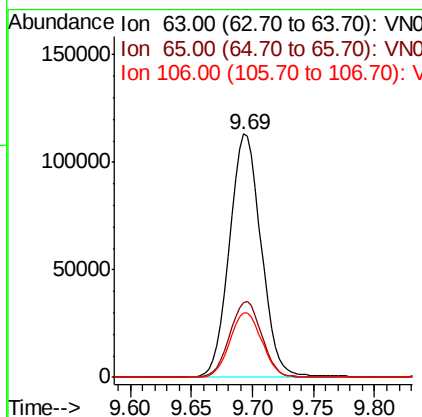
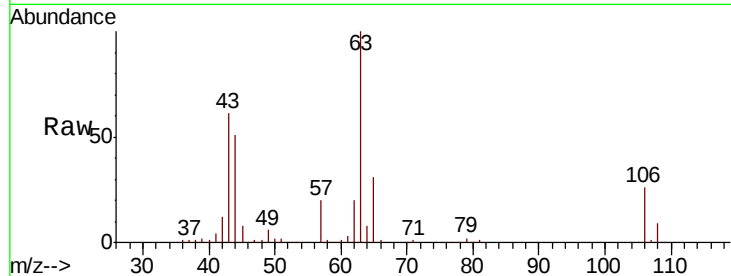




#55
 2-Chloroethyl vinyl ether
 Concen: 76.053 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

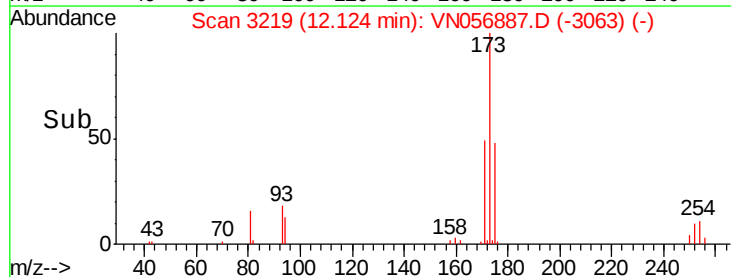
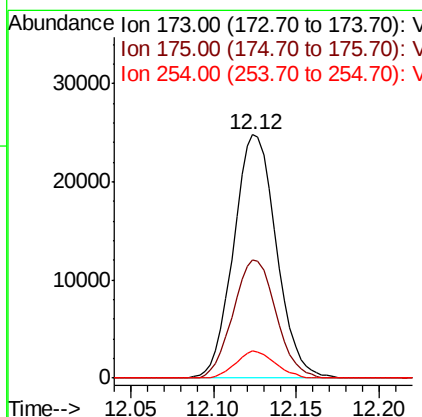
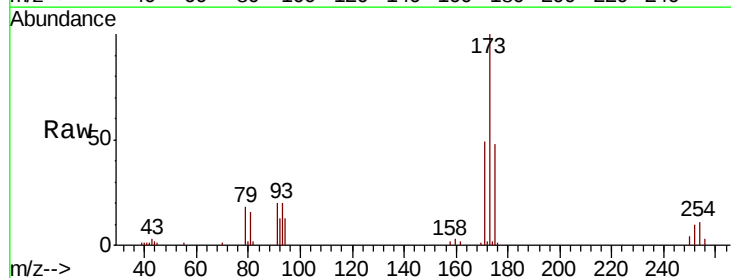
Instrument :
 MSVOA_N
 ClientSampleId :

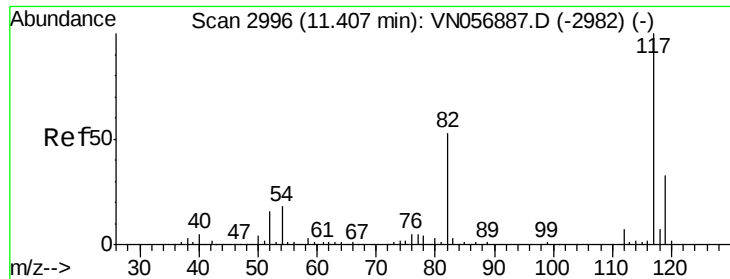
Tot Ion: 63 Resp: 205710
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.1 37.7
 106 26.9 21.5 32.3



#56
 Bromoform
 Concen: 16.002 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 173 Resp: 44484
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 10.1 8.1 12.1

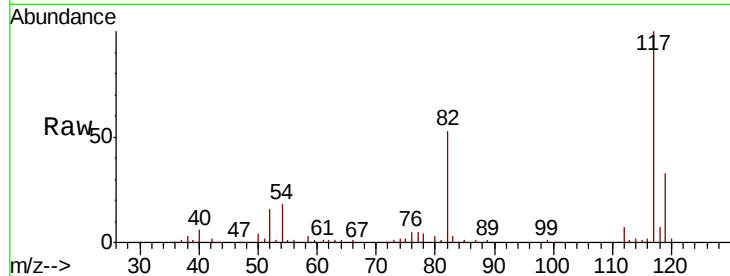




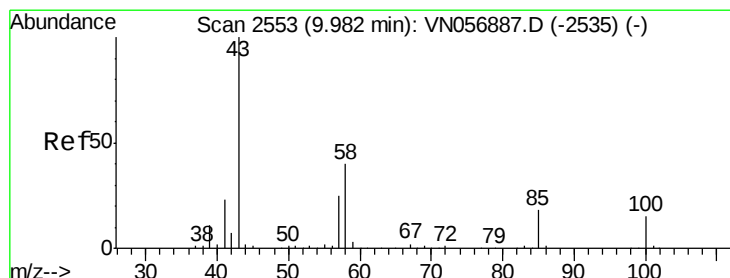
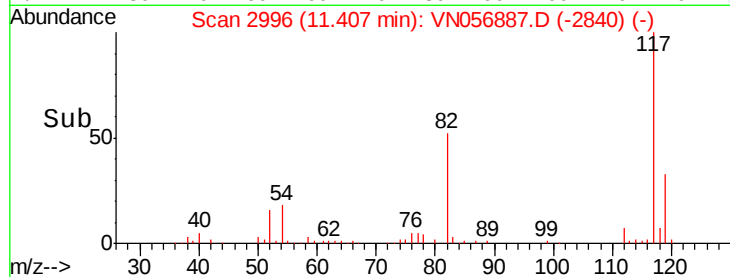
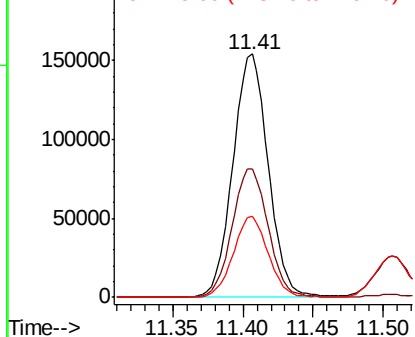
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 270969
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.7 26.2 39.2

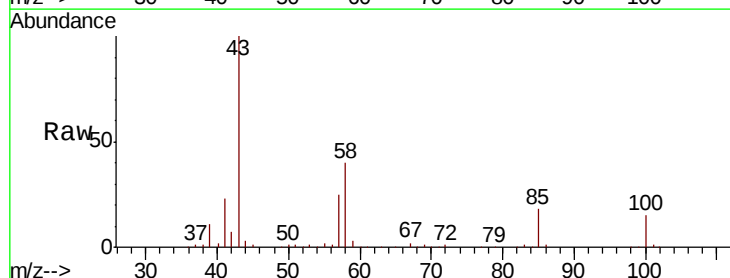


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

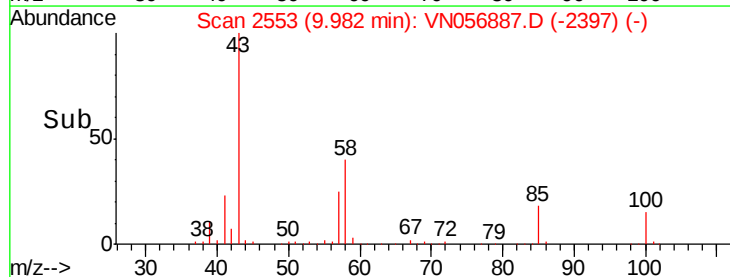
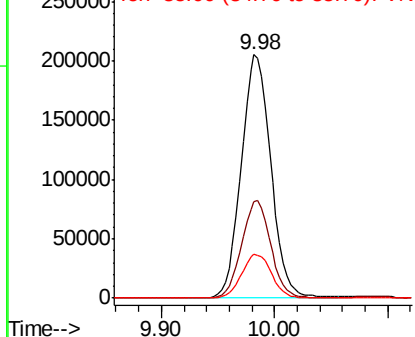


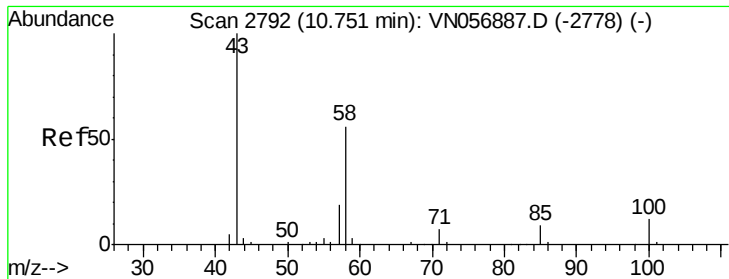
#58
4-Methyl-2-Pentanone
Concen: 77.532 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 373290
Ion Ratio Lower Upper
43 100
58 39.6 31.7 47.5
85 18.1 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

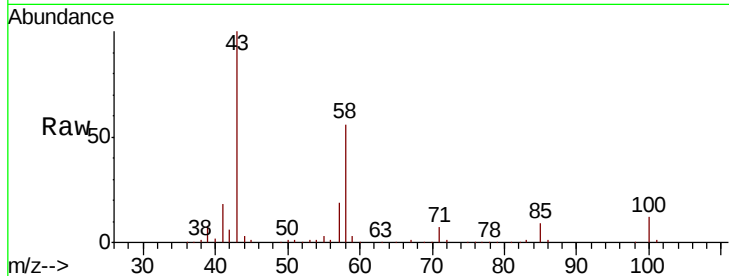




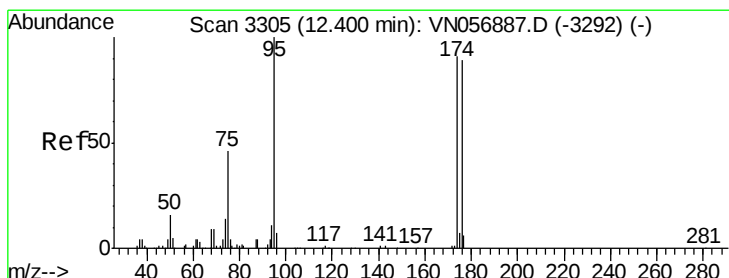
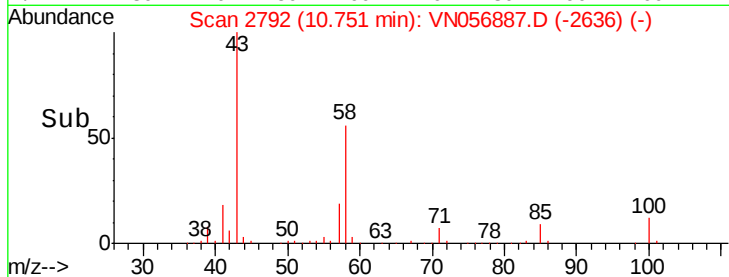
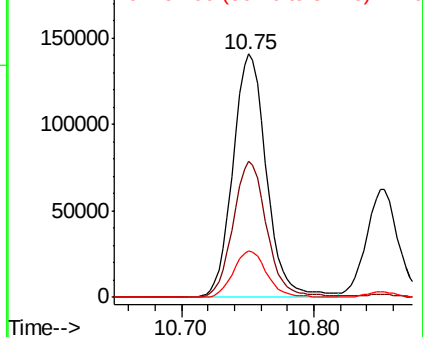
#59
2-Hexanone
Concen: 69.422 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 246796
Ion Ratio Lower Upper
43 100
58 56.2 45.0 67.4
57 19.2 15.4 23.0

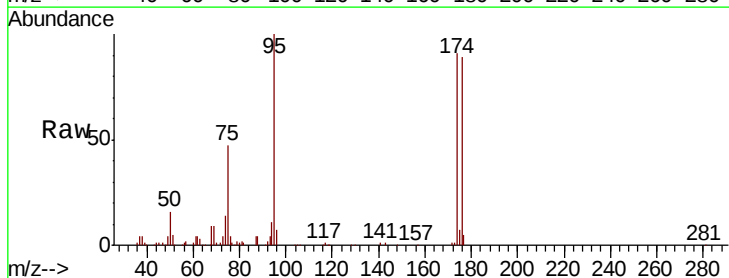


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

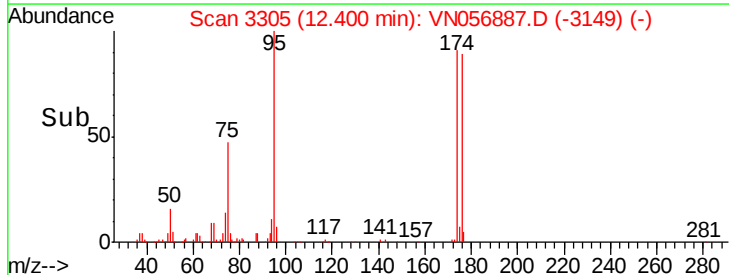
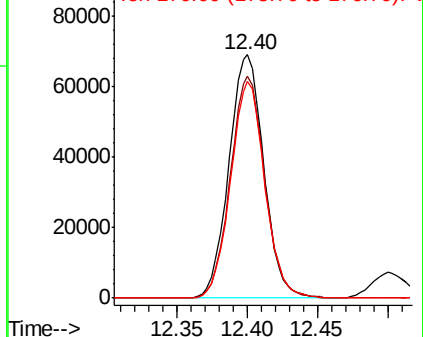


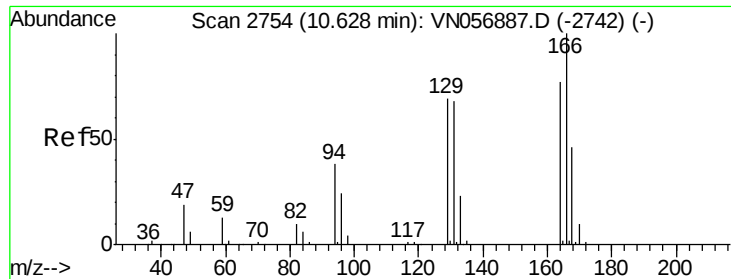
#60
4-Bromofluorobenzene
Concen: 29.029 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 95 Resp: 119487
Ion Ratio Lower Upper
95 100
174 89.9 71.9 107.9
176 87.3 69.8 104.8



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 20.301 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 78495

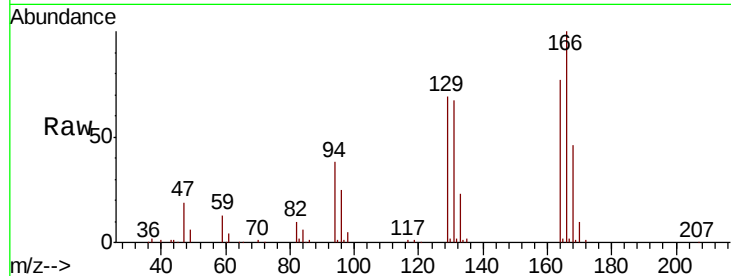
Ion Ratio Lower Upper

164 100

166 129.9 103.9 155.9

129 90.5 72.4 108.6

131 87.9 70.3 105.5

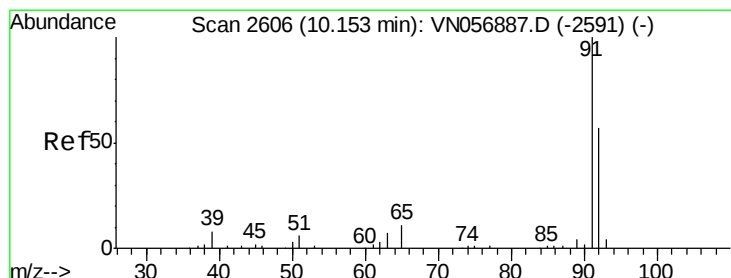
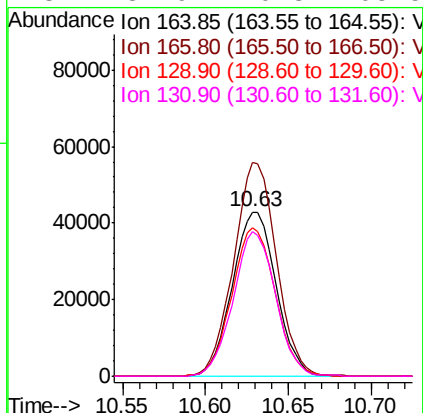
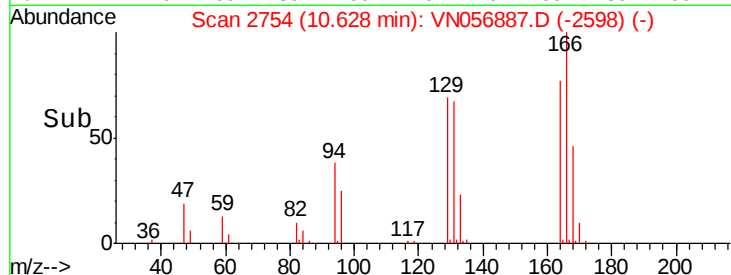


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.851 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056887.D

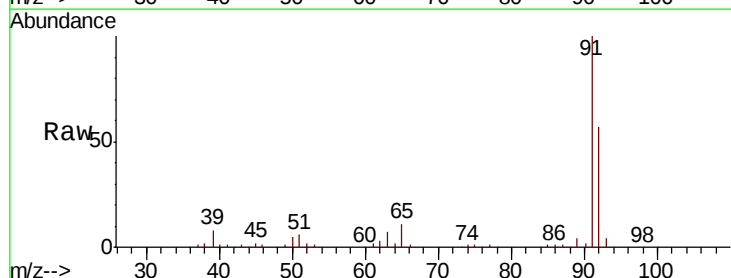
Acq: 23 Jul 2019 19:28

Tgt Ion: 91 Resp: 293878

Ion Ratio Lower Upper

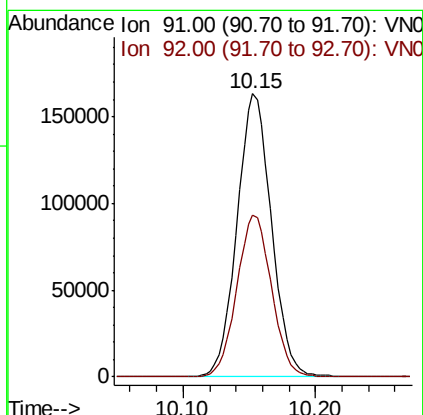
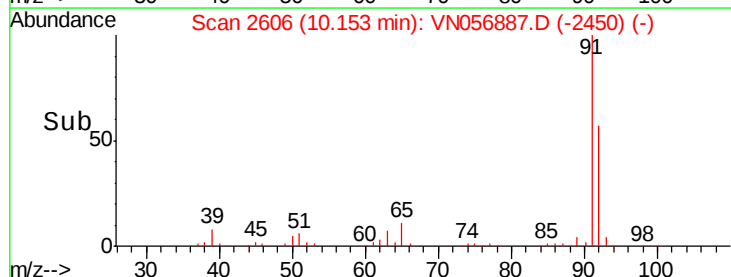
91 100

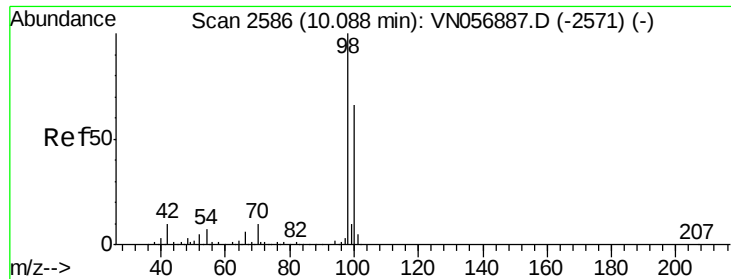
92 57.6 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.600 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

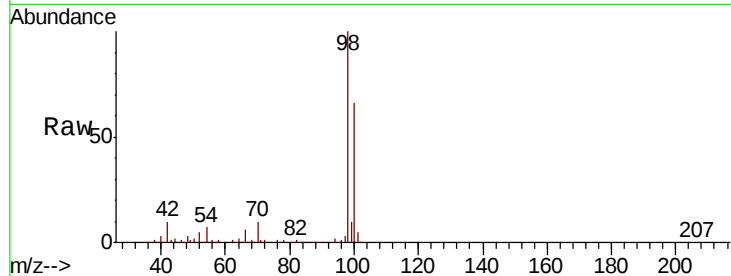
ClientSampleId :

Tot Ion: 98 Resp: 394018

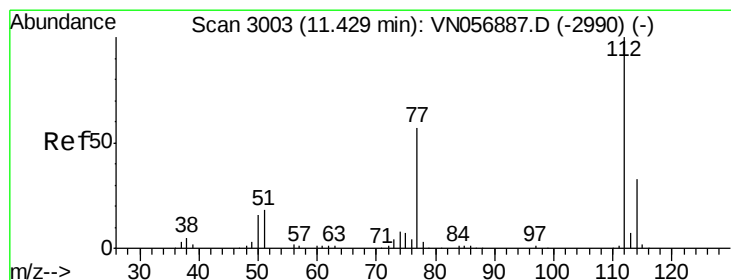
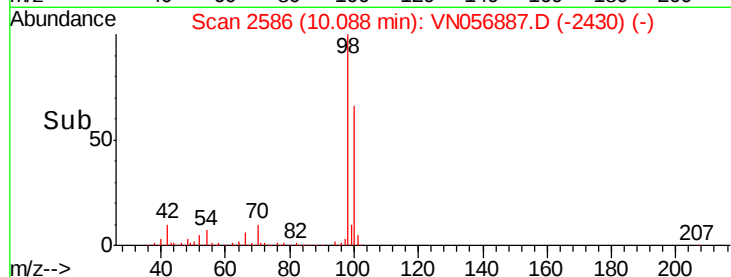
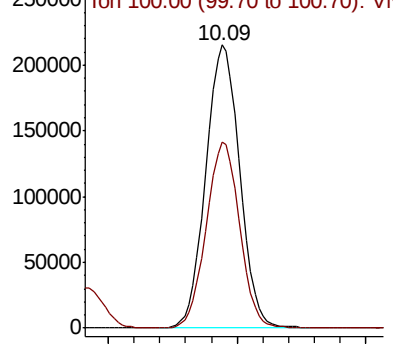
Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN056887.D (-2571) (-)



#64

Chlorobenzene

Concen: 18.380 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN056887.D

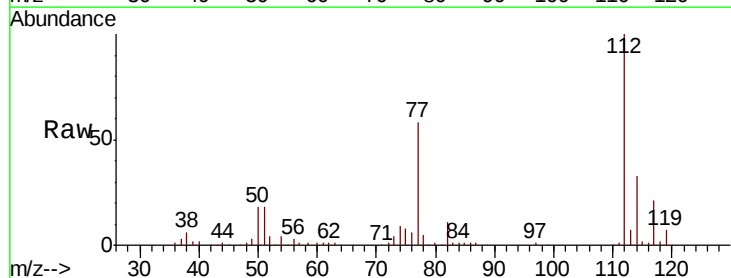
Acq: 23 Jul 2019 19:28

Tgt Ion: 112 Resp: 174570

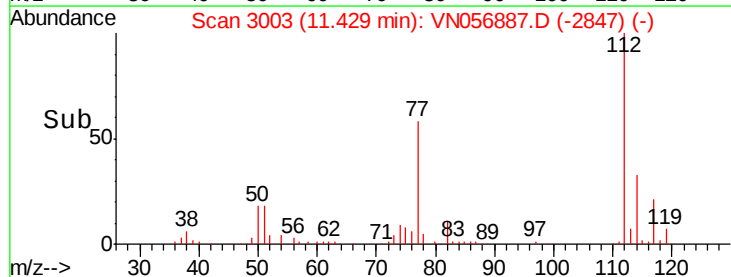
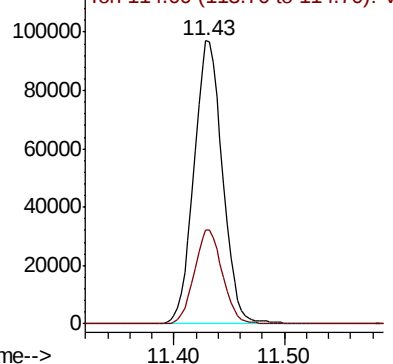
Ion Ratio Lower Upper

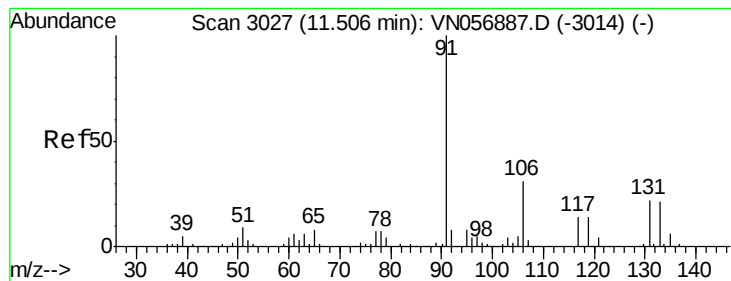
112 100

114 33.4 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): VN056887.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.148 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

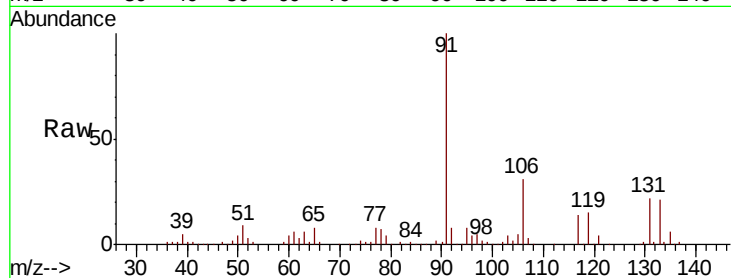
Tot Ion:131 Resp: 67259

Ion Ratio Lower Upper

131 100

133 94.8 0.0 189.6

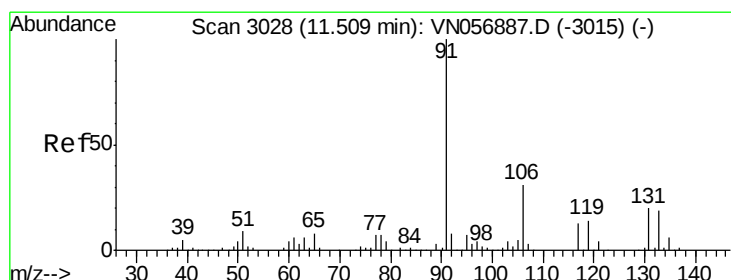
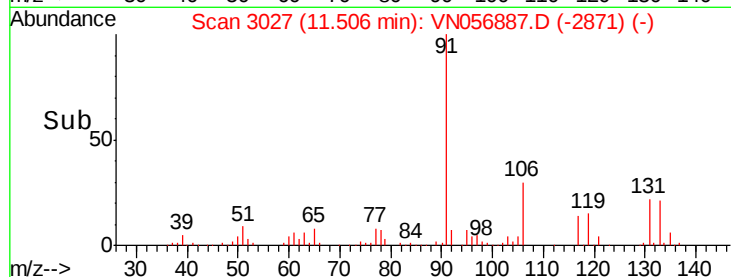
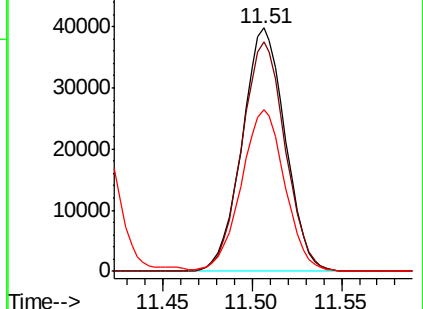
119 66.8 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.221 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056887.D

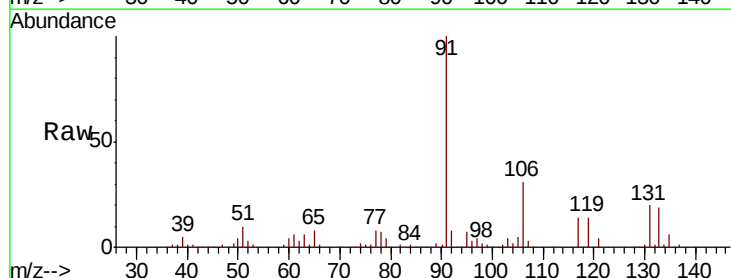
Acq: 23 Jul 2019 19:28

Tgt Ion: 91 Resp: 305172

Ion Ratio Lower Upper

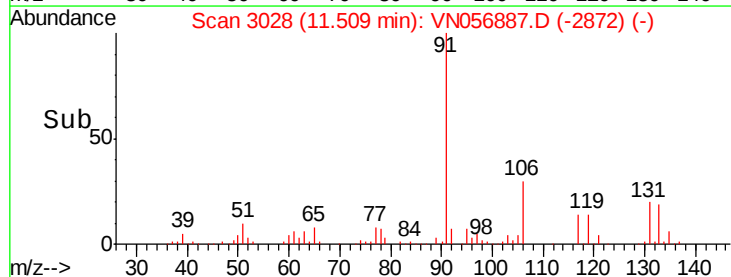
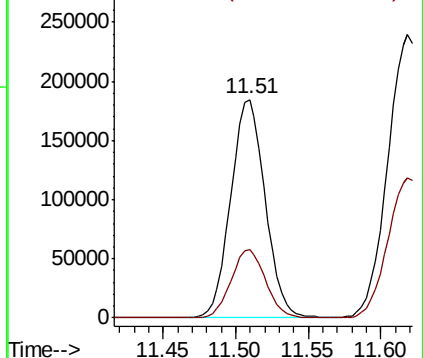
91 100

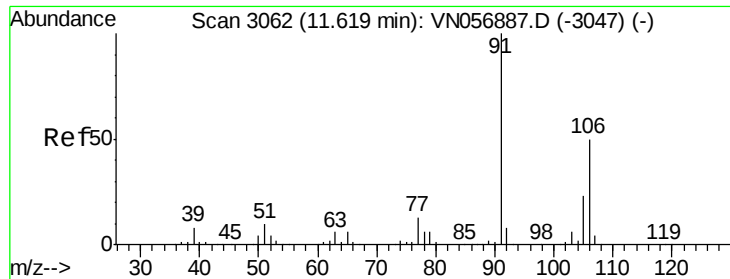
106 31.1 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

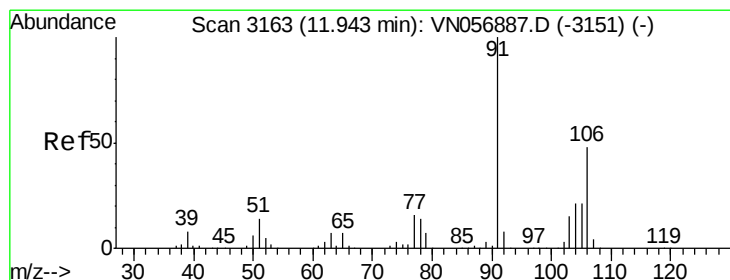
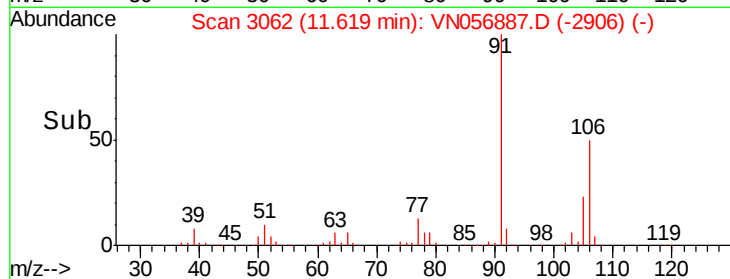
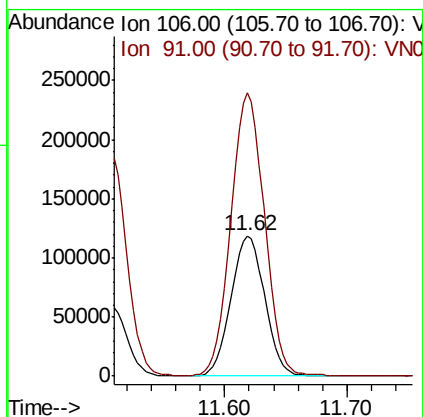
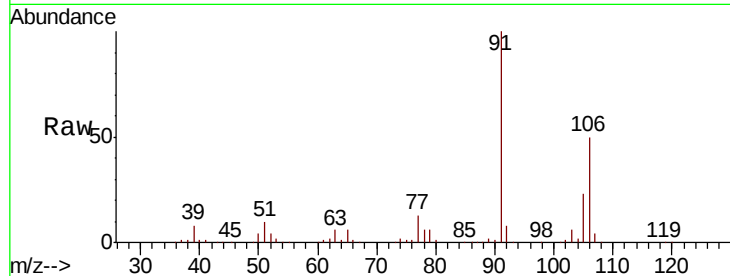




#67
m/p-Xvlenes
Concen: 36.253 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

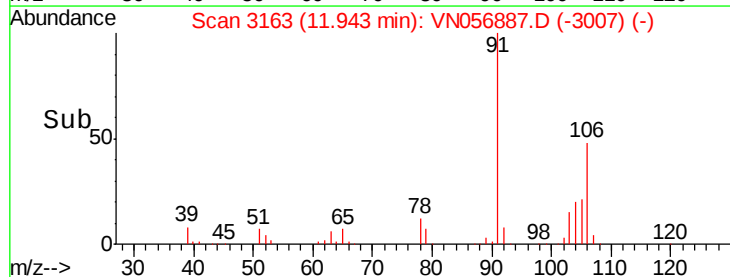
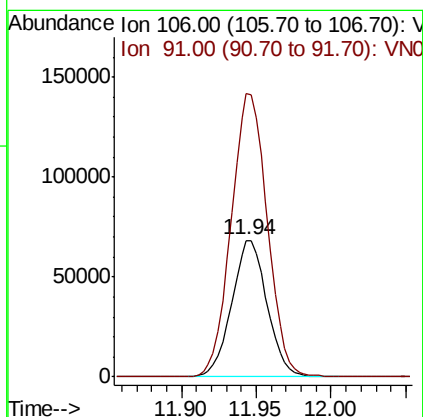
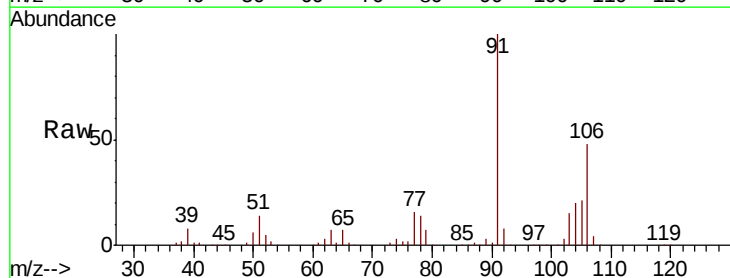
Instrument :
MSVOA_N
ClientSampled :

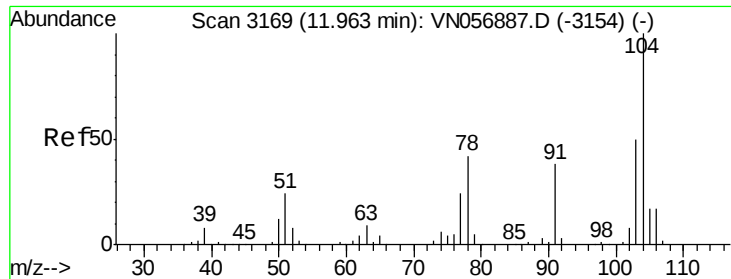
Tot Ion:106 Resp: 228501
Ion Ratio Lower Upper
106 100
91 200.7 160.6 240.8



#68
o-Xylene
Concen: 18.158 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion:106 Resp: 112319
Ion Ratio Lower Upper
106 100
91 212.4 106.2 318.6

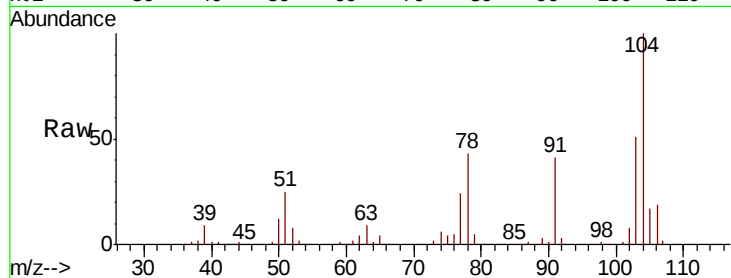




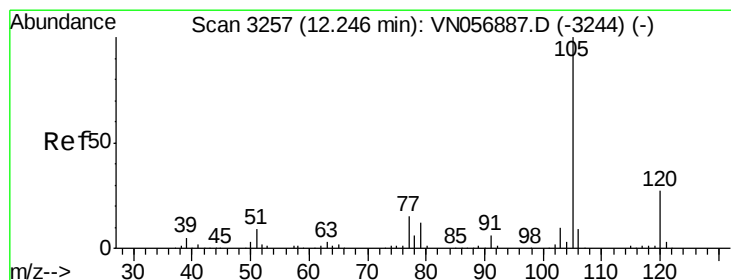
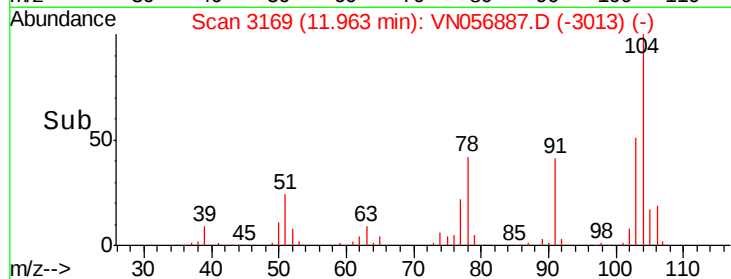
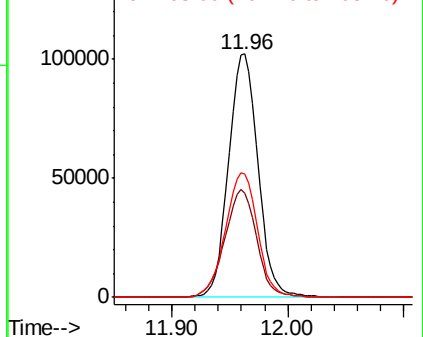
#69
Stvrene
Concen: 17.598 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 179326
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.9 44.7 67.1

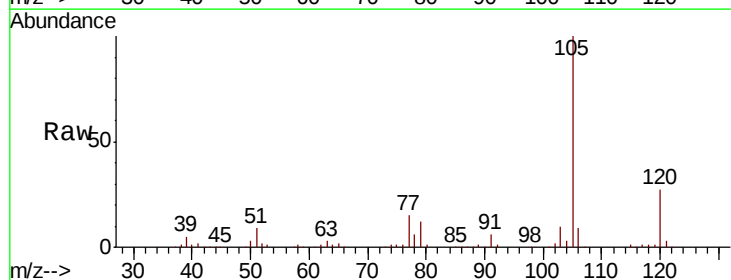


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

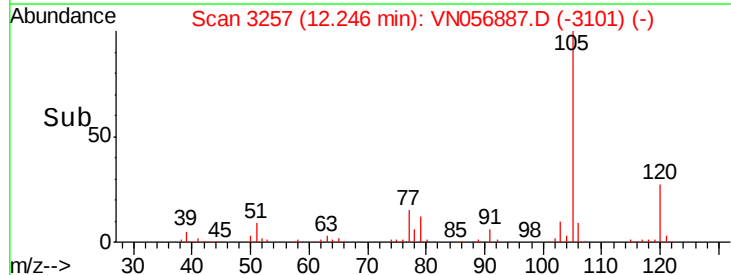
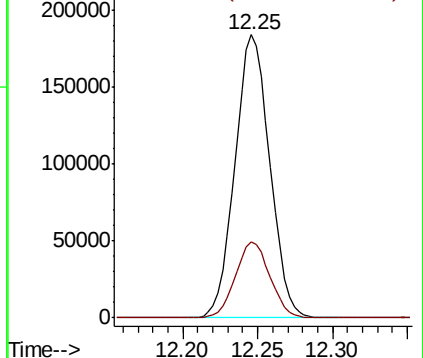


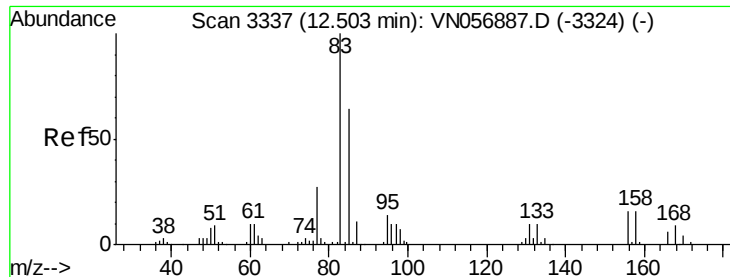
#70
Isopropylbenzene
Concen: 18.418 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion:105 Resp: 297967
Ion Ratio Lower Upper
105 100
120 26.7 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 16.642 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

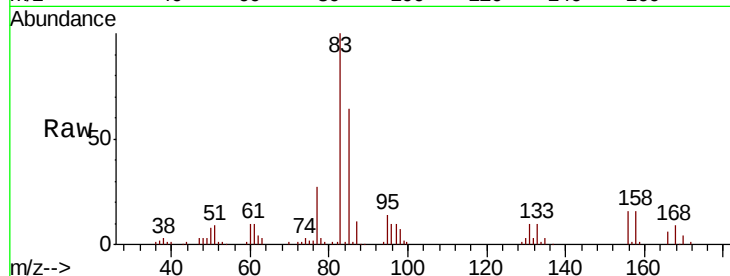
Tot Ion: 83 Resp: 85831

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

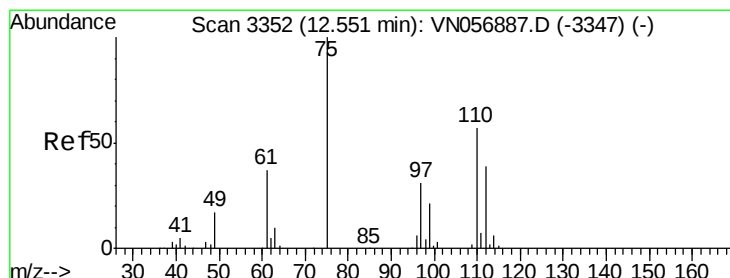
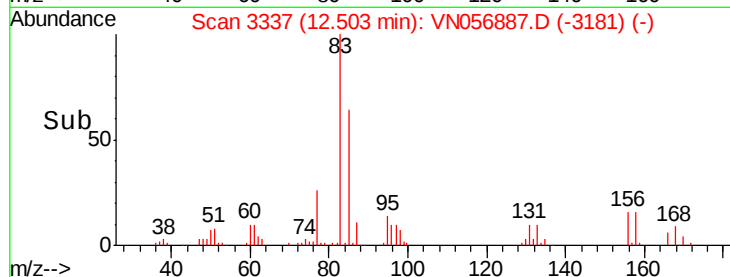
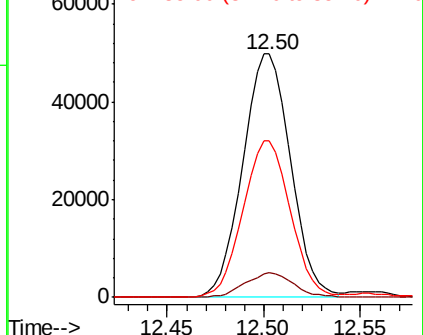
85 63.6 31.8 95.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 22.610 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056887.D

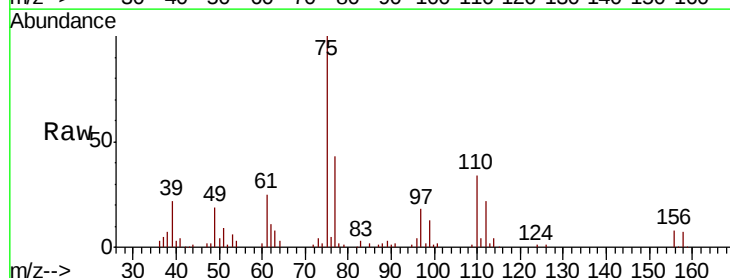
Acq: 23 Jul 2019 19:28

Tgt Ion: 75 Resp: 99207

Ion Ratio Lower Upper

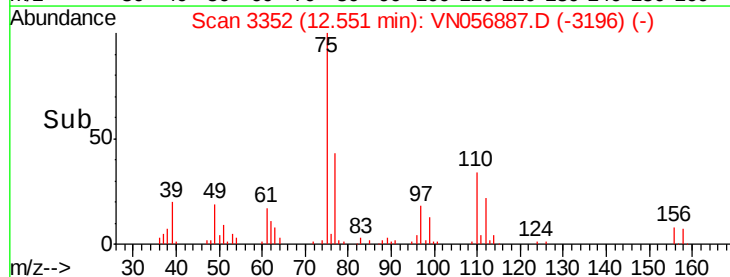
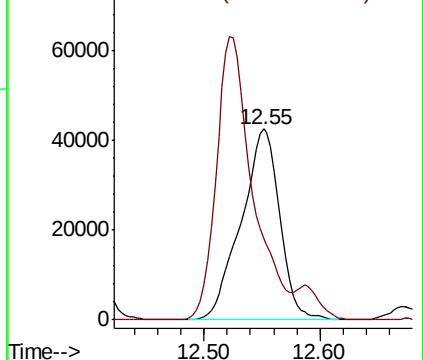
75 100

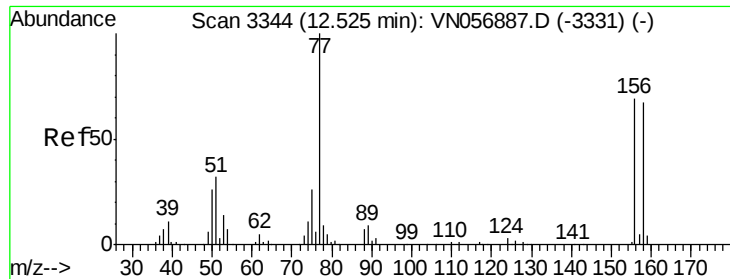
77 137.8 0.0 378.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 17.796 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

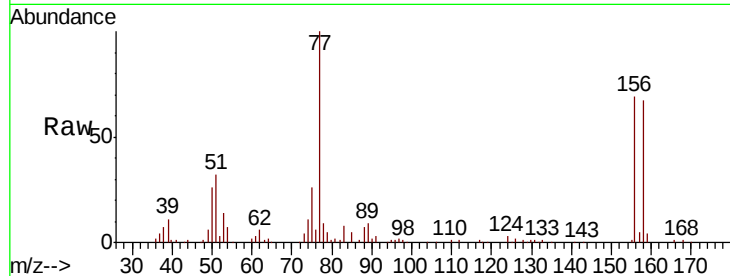
Tot Ion:156 Resp: 75026

Ion Ratio Lower Upper

156 100

77 182.3 0.0 364.6

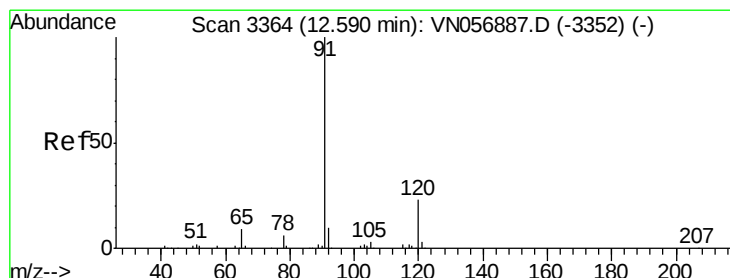
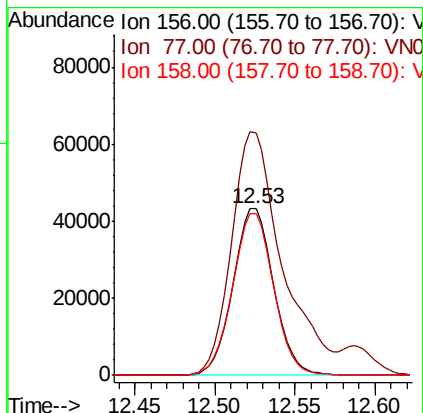
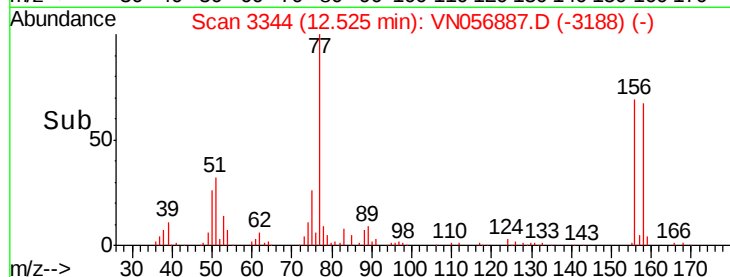
158 98.1 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.453 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056887.D

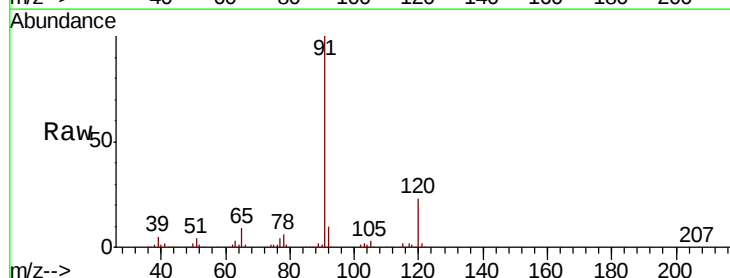
Acq: 23 Jul 2019 19:28

Tgt Ion: 91 Resp: 314500

Ion Ratio Lower Upper

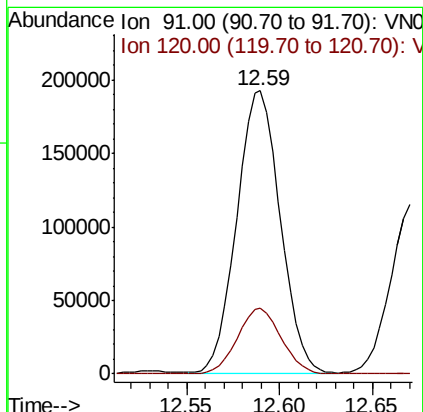
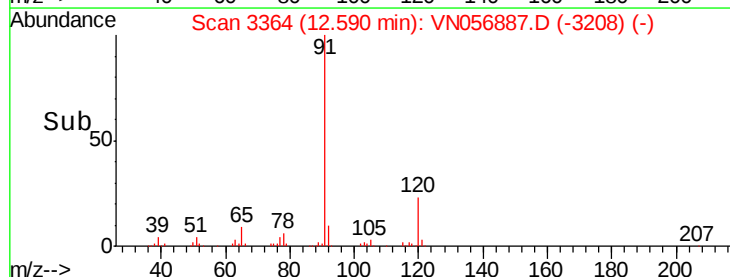
91 100

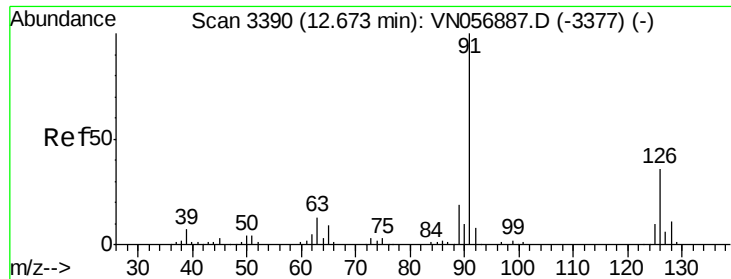
120 23.2 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.986 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

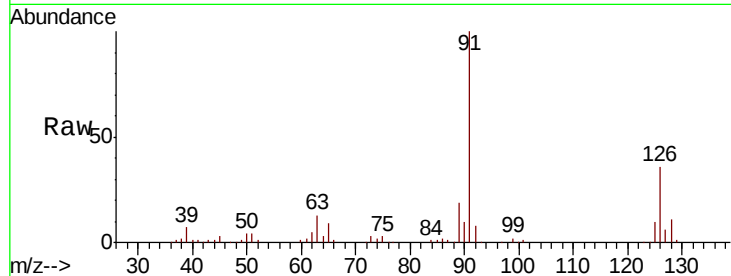
ClientSampleId :

Tot Ion: 91 Resp: 196608

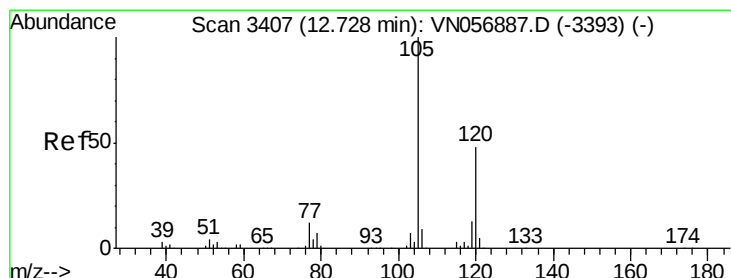
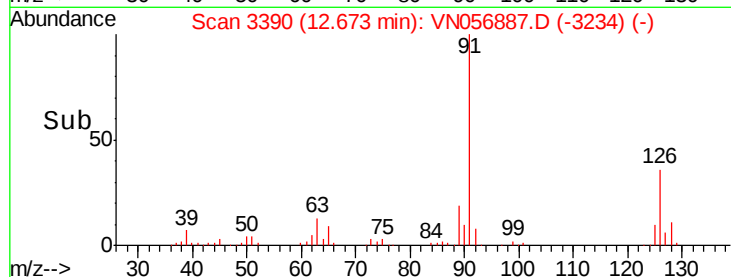
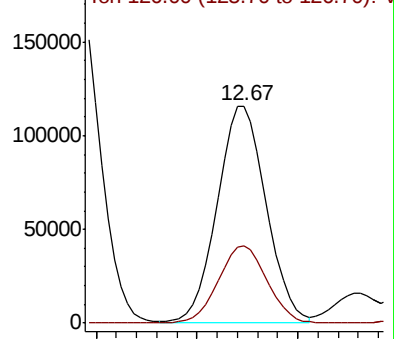
Ion Ratio Lower Upper

91 100

126 35.4 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.184 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056887.D

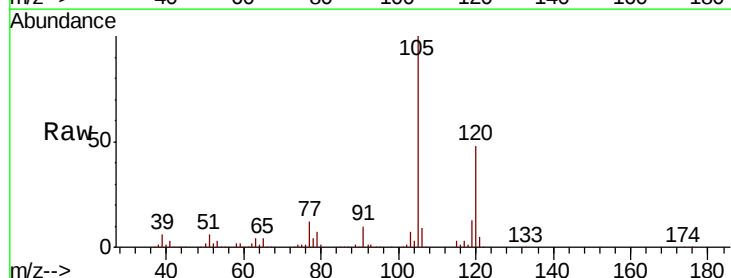
Acq: 23 Jul 2019 19:28

Tgt Ion: 105 Resp: 249246

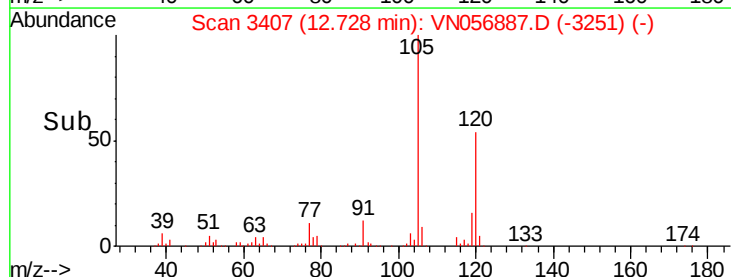
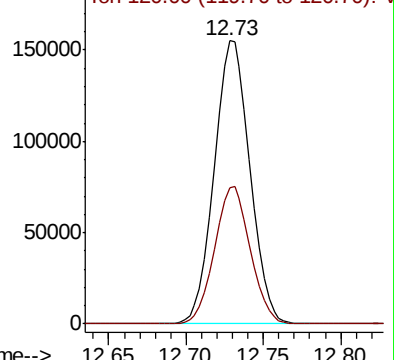
Ion Ratio Lower Upper

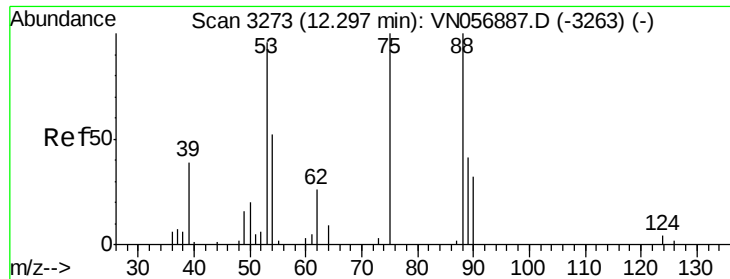
105 100

120 48.6 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 14.325 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

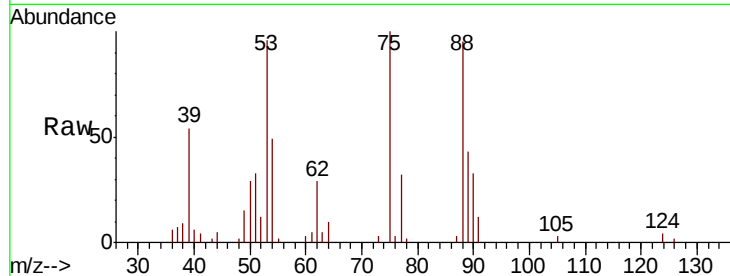
Tot Ion: 75 Resp: 20893

Ion Ratio Lower Upper

75 100

53 96.0 48.0 144.0

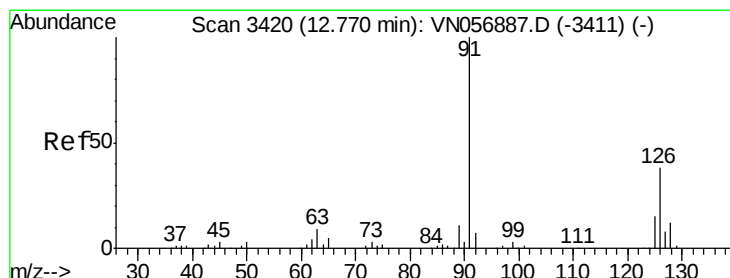
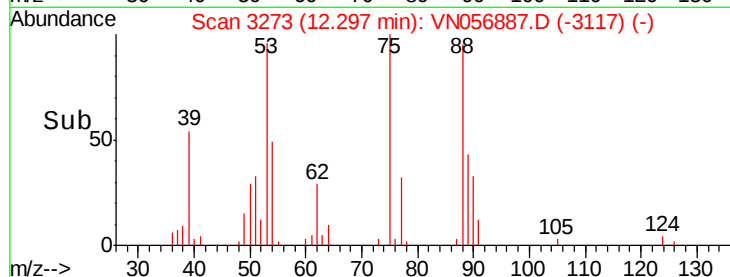
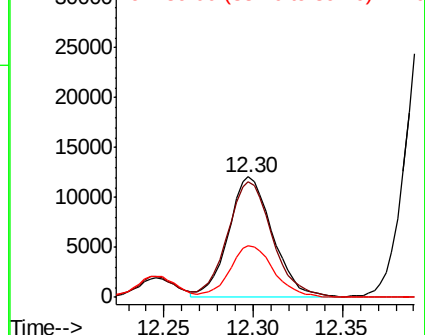
89 42.9 21.4 64.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 17.195 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056887.D

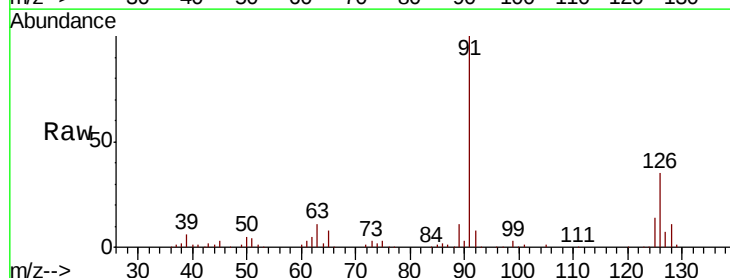
Acq: 23 Jul 2019 19:28

Tgt Ion: 91 Resp: 181266

Ion Ratio Lower Upper

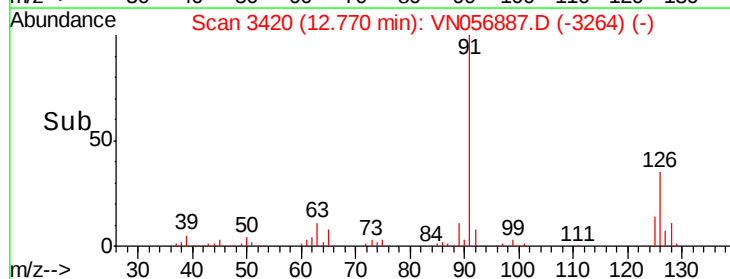
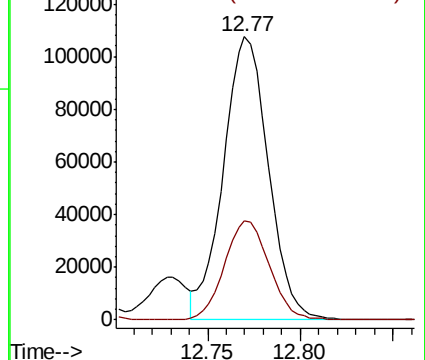
91 100

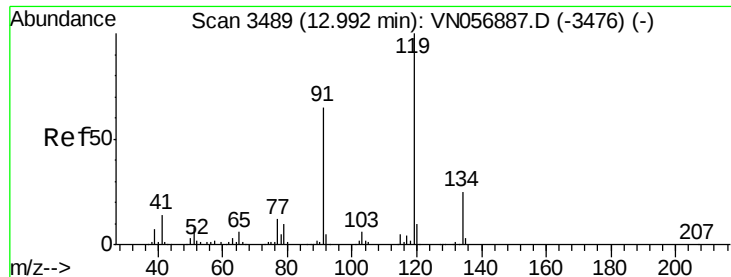
126 34.8 0.0 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

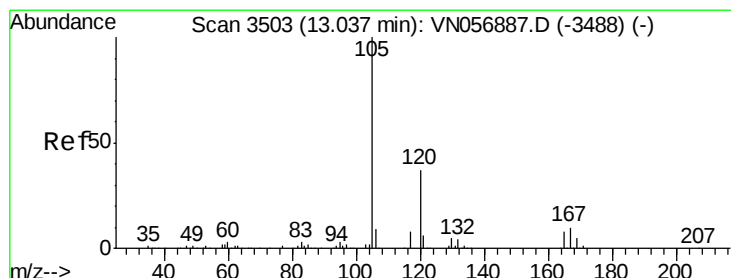
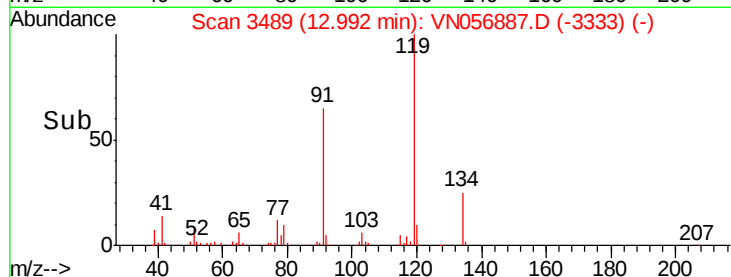
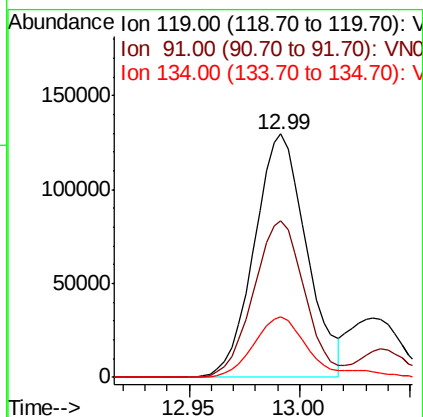
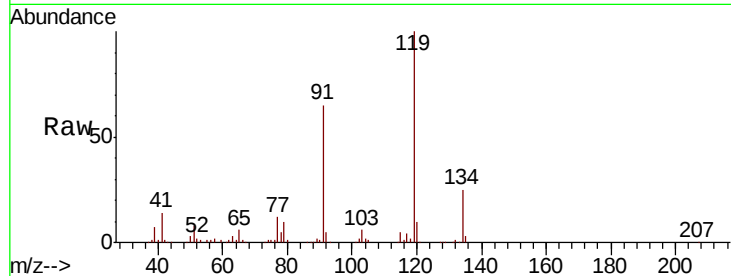




#79
tert-butylbenzene
Concen: 18.175 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

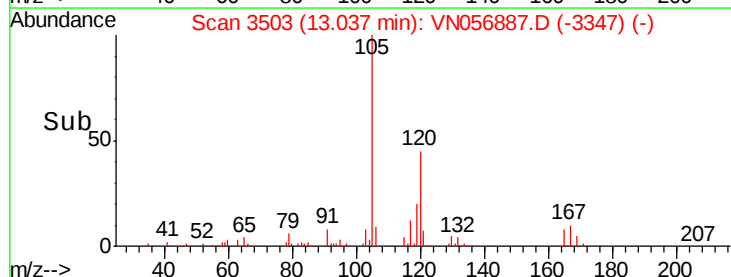
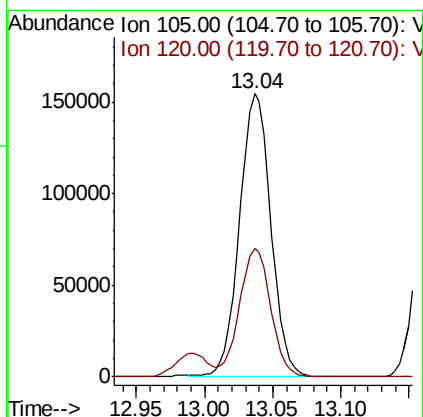
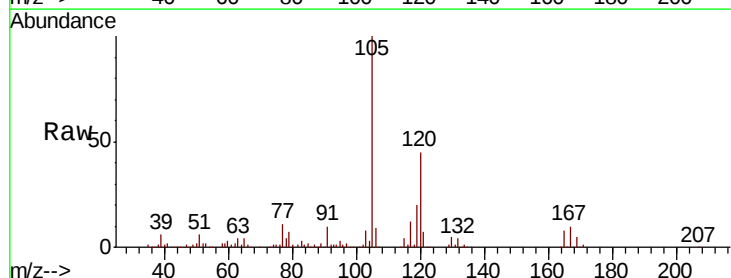
Instrument :
MSVOA_N
ClientSampled :

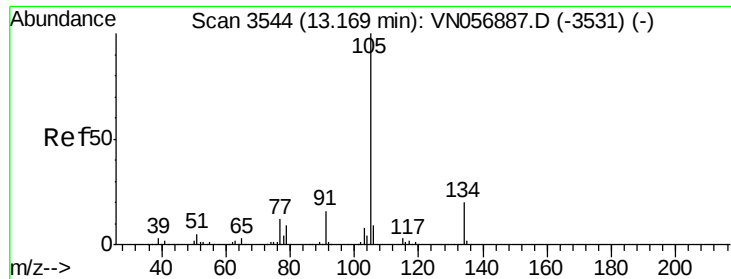
Tot Ion:119 Resp: 212900
Ion Ratio Lower Upper
119 100
91 63.4 0.0 126.8
134 24.4 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 18.102 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion:105 Resp: 246484
Ion Ratio Lower Upper
105 100
120 45.3 0.0 90.6





#81

sec-Butylbenzene

Concen: 17.894 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

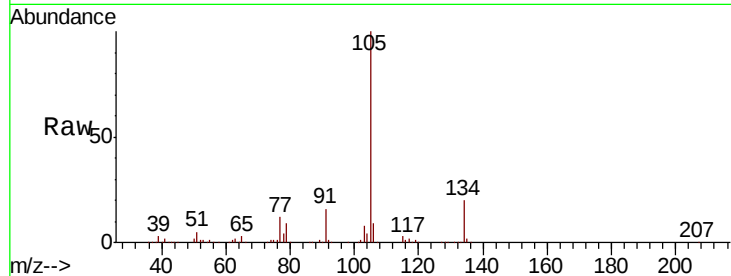
ClientSampleId :

Tot Ion:105 Resp: 276165

Ion Ratio Lower Upper

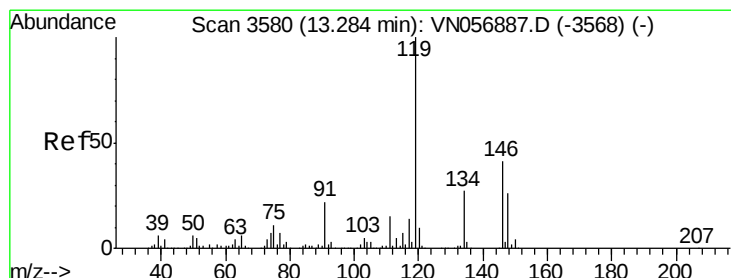
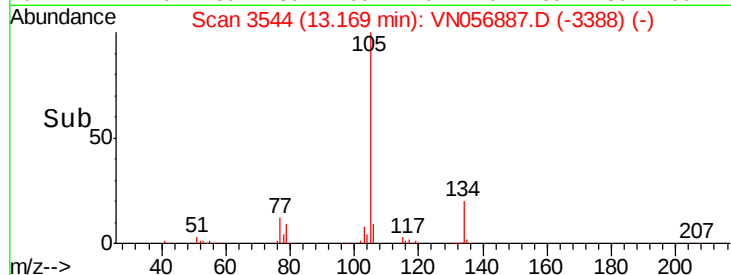
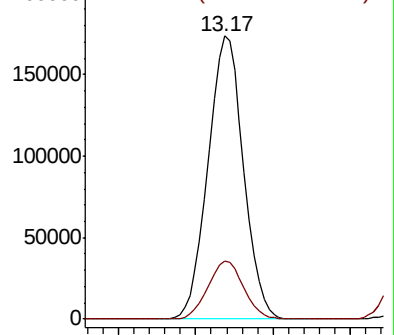
105 100

134 20.6 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 17.741 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

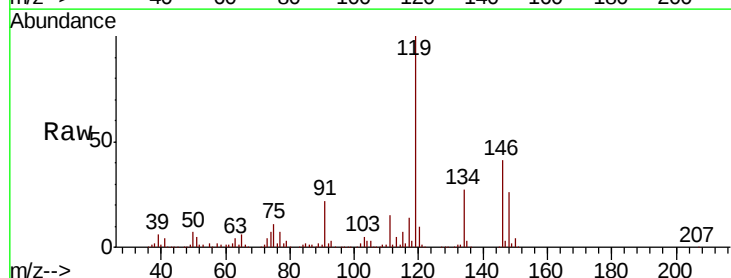
Tgt Ion:119 Resp: 248201

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.2

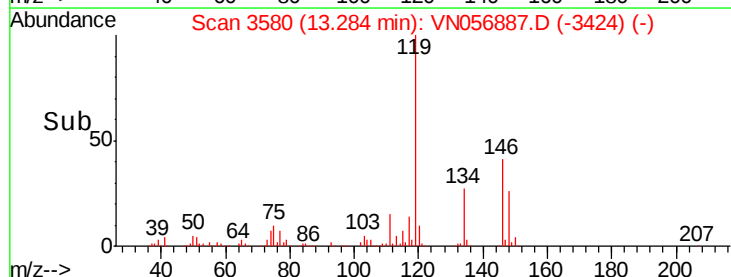
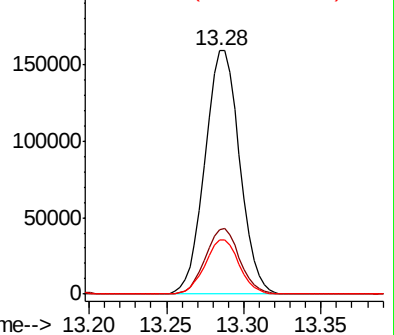
91 22.0 0.0 44.0

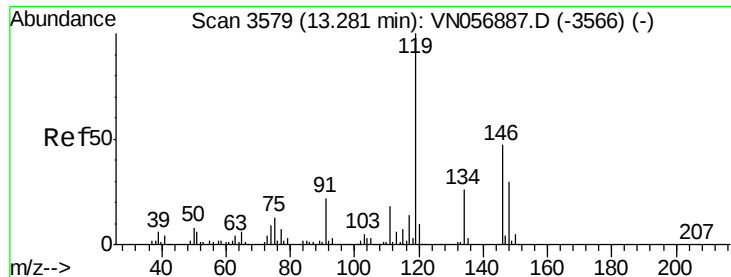


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

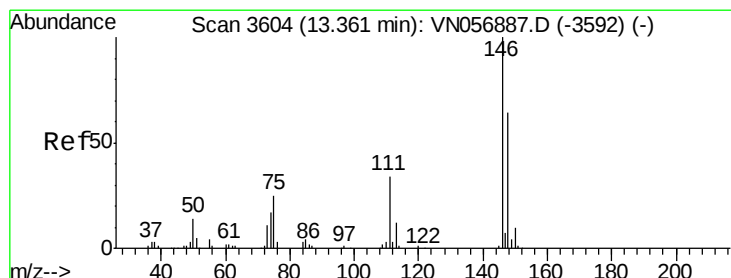
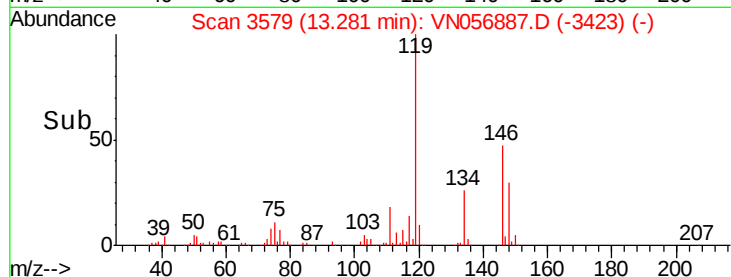
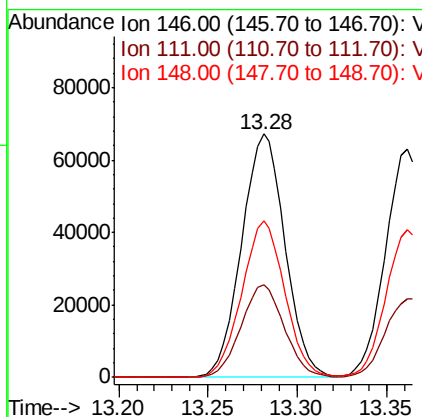
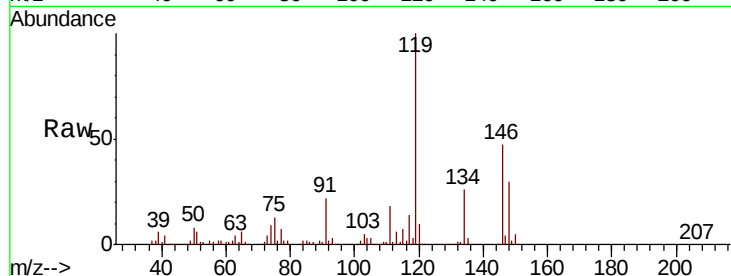




#83
 1,3-Dichlorobenzene
 Concen: 16.507 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

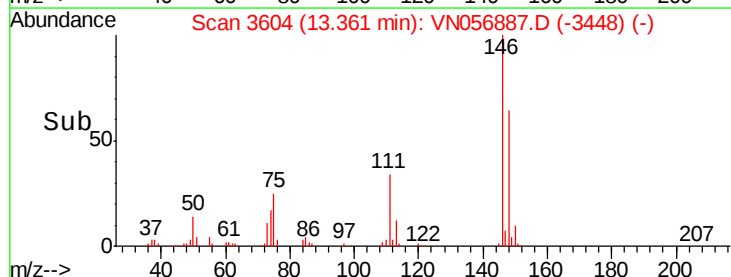
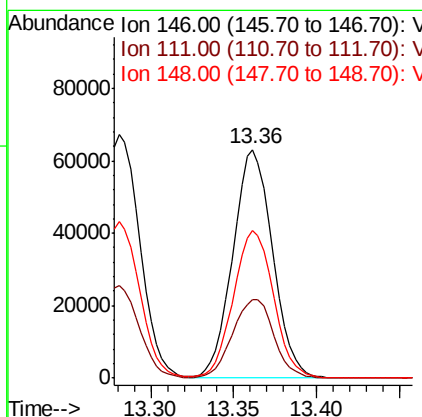
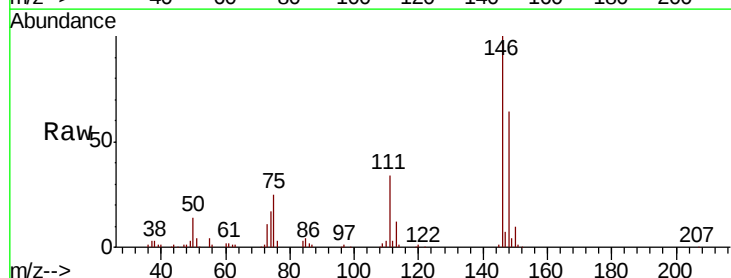
Instrument :
 MSVOA_N
 ClientSampleId :

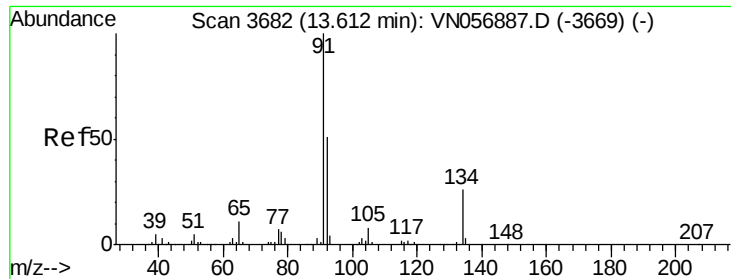
Tot Ion:146 Resp: 114569
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 63.4 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 15.936 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion:146 Resp: 105519
 Ion Ratio Lower Upper
 146 100
 111 35.7 17.8 53.5
 148 65.1 32.6 97.7

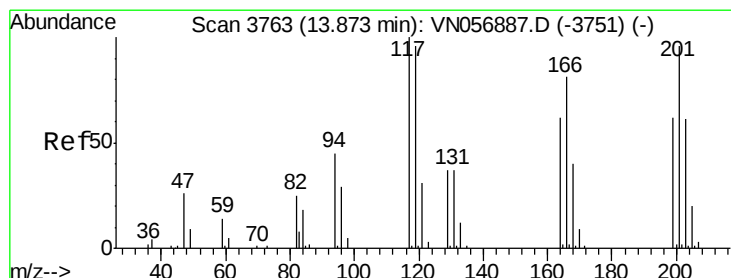
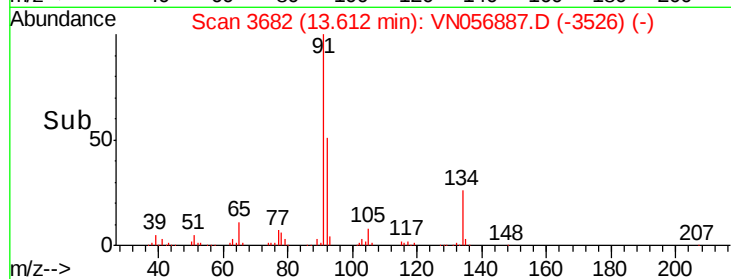
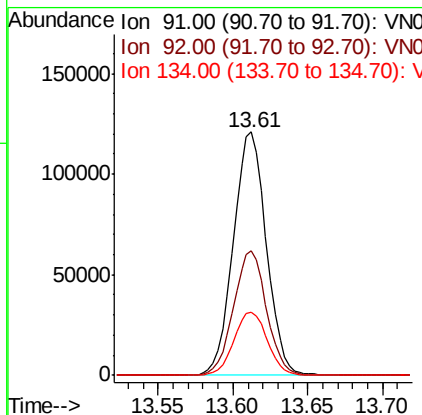
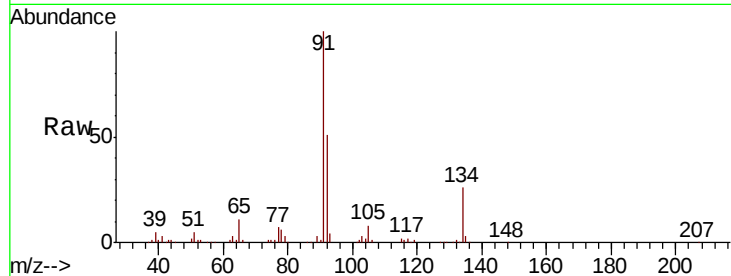




#85
n-Butylbenzene
Concen: 16.256 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

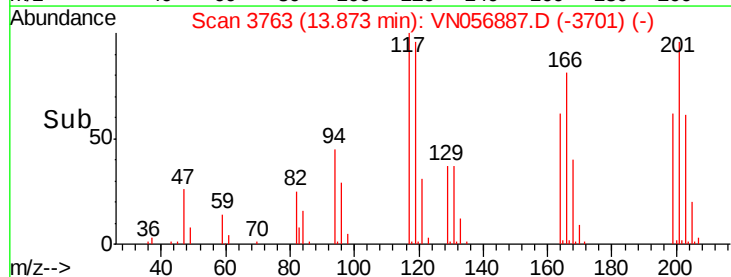
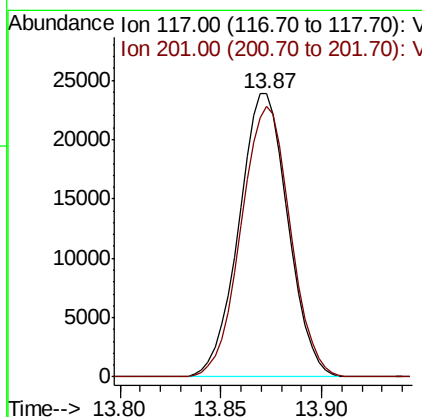
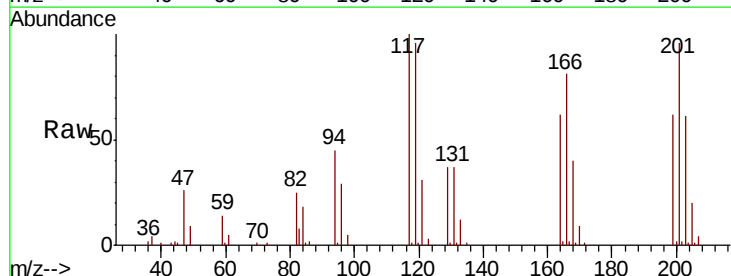
Instrument :
MSVOA_N
ClientSampleId :

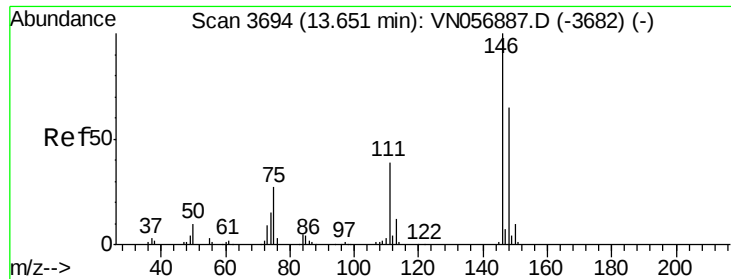
Tot Ion: 91 Resp: 185797
Ion Ratio Lower Upper
91 100
92 50.9 0.0 101.8
134 26.2 0.0 52.4



#86
Hexachloroethane
Concen: 18.206 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 117 Resp: 40678
Ion Ratio Lower Upper
117 100
201 95.5 47.8 143.3

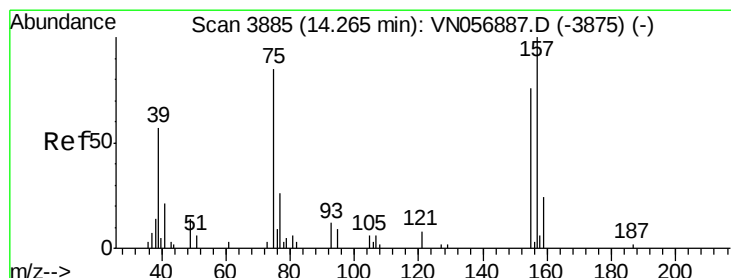
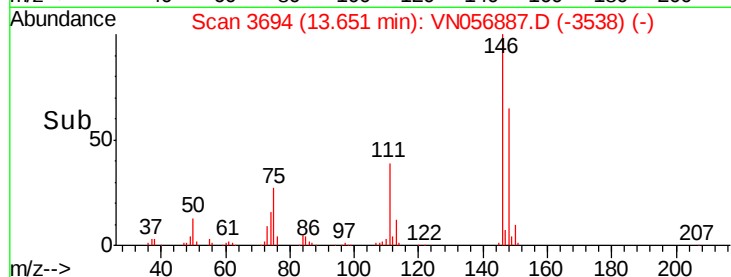
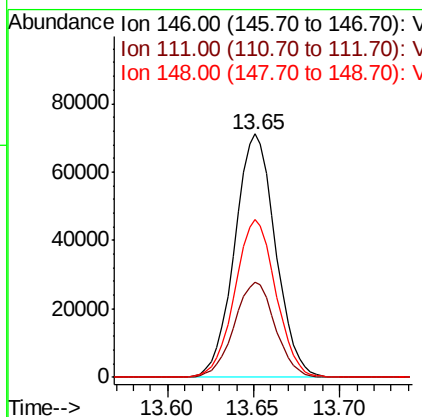
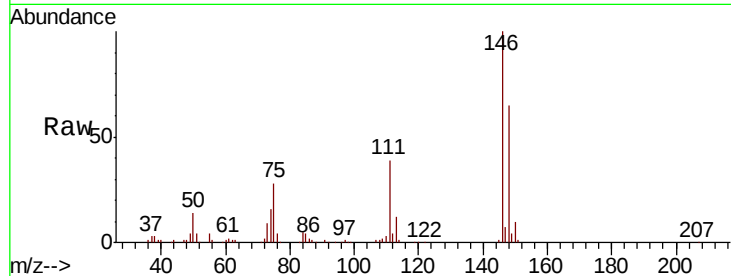




#87
 1,2-Dichlorobenzene
 Concen: 16.807 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

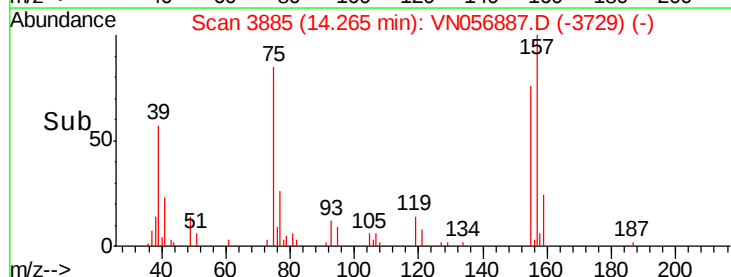
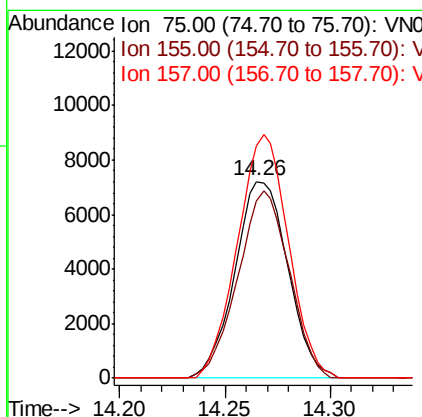
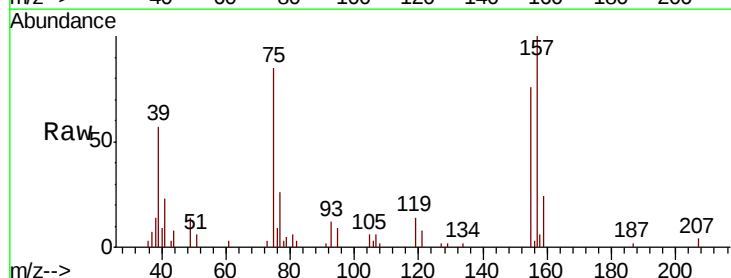
Instrument :
 MSVOA_N
 ClientSampleId :

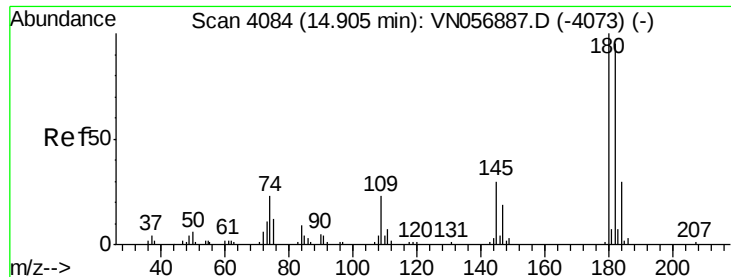
Tot Ion:146 Resp: 117622
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 65.0 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.363 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 75 Resp: 12633
 Ion Ratio Lower Upper
 75 100
 155 91.8 73.4 110.2
 157 118.8 95.0 142.6

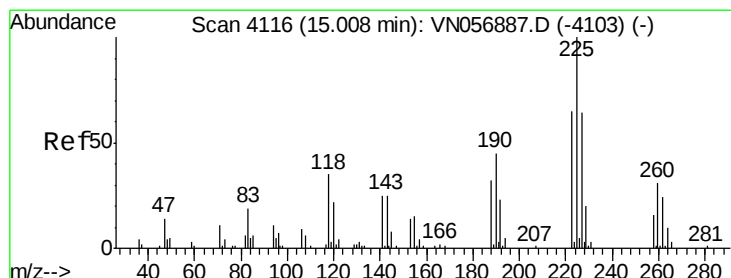
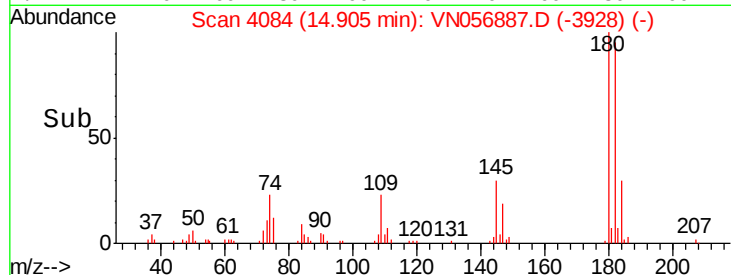
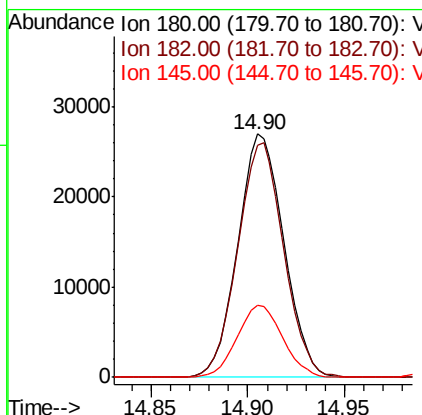
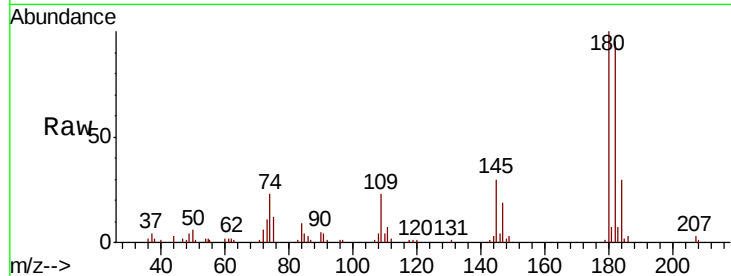




#89
 1,2,4-Trichlorobenzene
 Concen: 12.202 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

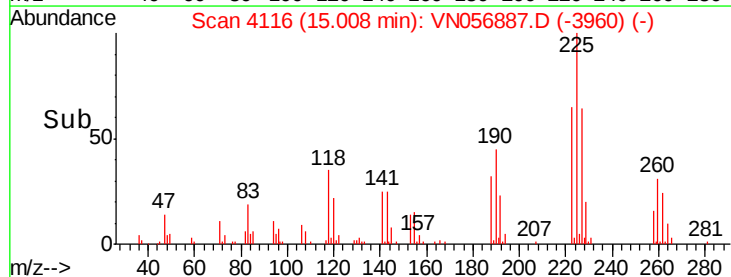
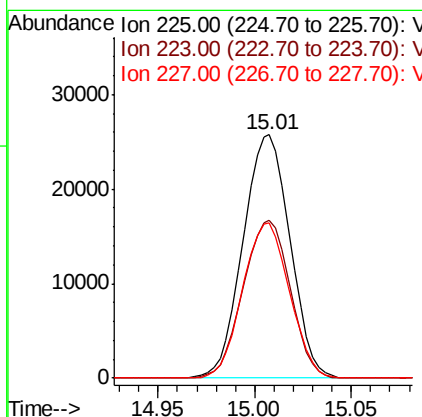
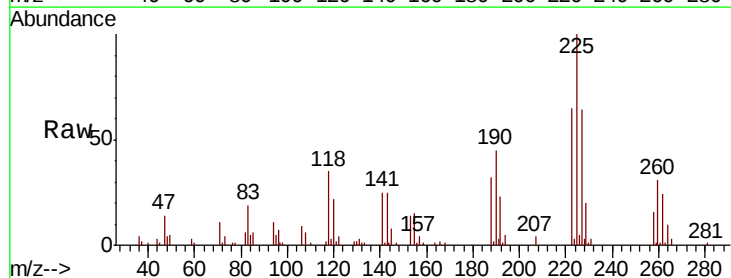
Instrument :
 MSVOA_N
 ClientSampled :

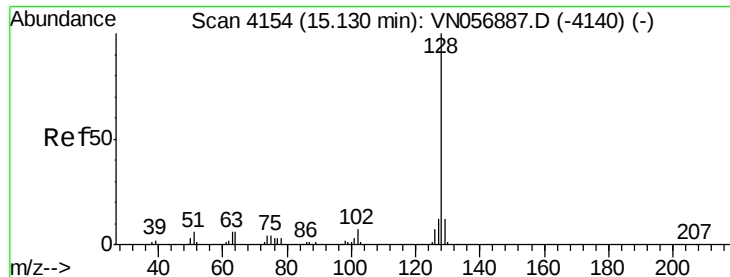
Tot Ion:180 Resp: 44630
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 145 29.4 23.5 35.3



#90
 Hexachlorobutadiene
 Concen: 17.759 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion:225 Resp: 43551
 Ion Ratio Lower Upper
 225 100
 223 65.0 0.0 130.0
 227 63.6 0.0 127.2





#91

Naphthalene

Concen: 11.489 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

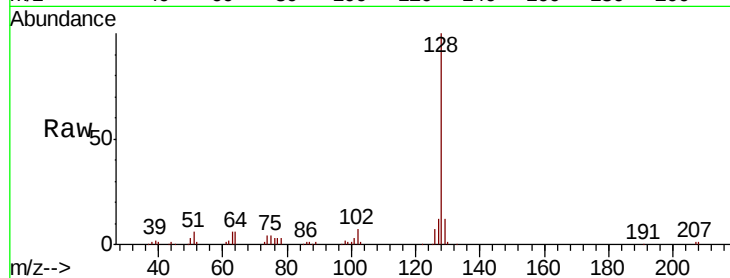
Tot Ion:128 Resp: 113800

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

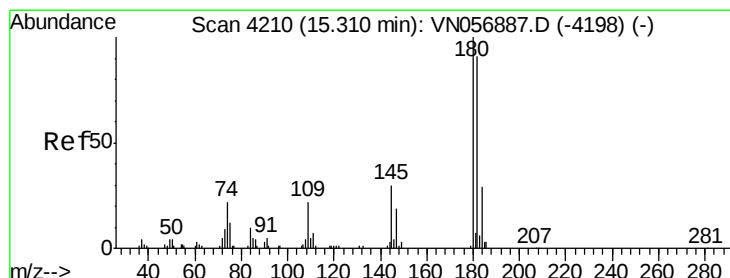
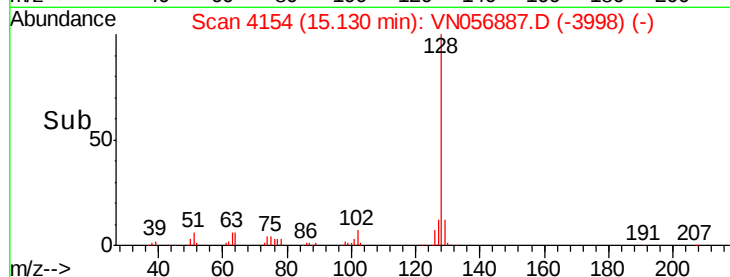
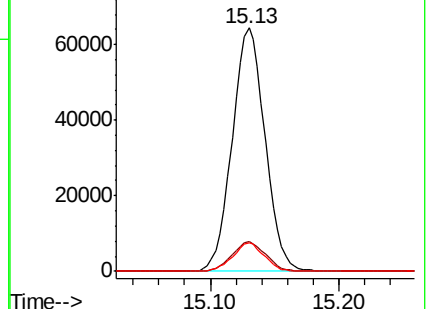
129 11.1 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 13.582 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

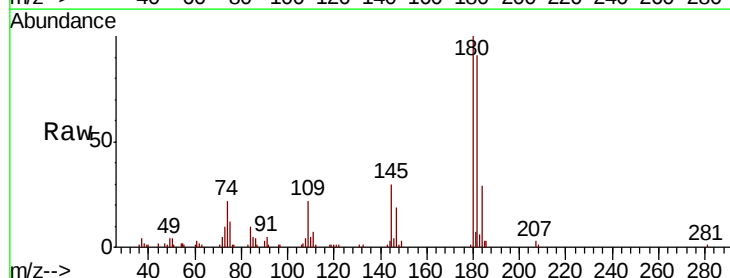
Tgt Ion:180 Resp: 52718

Ion Ratio Lower Upper

180 100

182 94.0 0.0 188.0

145 30.5 0.0 61.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

