

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057025.D
 Acq On : 1 Aug 2019 10:13
 Operator : JC/SP
 Sample : VN0801WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Quant Time: Aug 02 05:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	86906	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.57	114	464614	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	402232	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	166751	29.32	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.73%
60) 4-Bromofluorobenzene	12.40	95	171488	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.08	98	576868	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	109396	21.054	ug/l 98
3) Chloromethane	2.05	50	122126	19.261	ug/l 99
4) Vinyl Chloride	2.18	62	114532	18.735	ug/l 98
5) Bromomethane	2.55	94	69603	18.544	ug/l 97
6) Chloroethane	2.69	64	62626	18.469	ug/l 97
7) Trichlorofluoromethane	3.00	101	159367	21.407	ug/l 97
8) Diethyl Ether	3.40	74	55463	19.994	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96348	20.608	ug/l 96
10) 1,1-Dichloroethene	3.72	96	91445	19.710	ug/l 93
11) Methyl Iodide	3.94	142	124499	18.138	ug/l 98
12) Methyl Acetate	4.31	43	84836	14.941	ug/l # 90
13) Acrolein	3.59	56	81236	126.415	ug/l 97
14) Acrylonitrile	4.97	53	195107	89.098	ug/l 100
15) Acetone	3.81	58	66289	117.090	ug/l 95
16) Carbon Disulfide	4.04	76	241288	19.287	ug/l 99
17) Allyl chloride	4.31	41	138413	17.828	ug/l 96
18) Methylene Chloride	4.54	84	102774	19.032	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	97860	19.930	ug/l 99
20) Diisopropyl ether	5.93	45	293346	18.609	ug/l 98
21) 1,1-Dichloroethane	5.83	63	171782	18.752	ug/l 98
22) cis-1,2-Dichloroethene	6.82	96	109290	19.205	ug/l 99
23) tert-Butyl Alcohol	4.77	59	68072	93.151	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	263358	18.775	ug/l 99
25) Chloroform	7.36	83	174720	19.551	ug/l 97
26) Cyclohexane	7.64	56	163356	19.412	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	133080	20.184	ug/l 98
30) 2-Butanone	6.82	43	251743	95.036	ug/l 99
31) 2,2-Dichloropropane	6.81	77	131655	21.517	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	147734	20.393	ug/l 98
33) Carbon Tetrachloride	7.76	117	126079	19.940	ug/l 97
34) Benzene	8.03	78	398611	19.187	ug/l 98
35) Methacrylonitrile	7.16	41	43892	16.592	ug/l 96
36) 1,2-Dichloroethane	8.11	62	123595	19.137	ug/l 97
37) Trichloroethene	8.82	130	112405	20.182	ug/l 100
38) Methylcyclohexane	9.07	83	169152	20.168	ug/l 99
39) 1,2-Dichloropropane	9.11	63	105061	18.946	ug/l 96
40) Dibromomethane	9.20	93	67408	19.815	ug/l 100

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Quant Time: Aug 02 05:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	128140	19.603	ug/l	99
42) Vinyl Acetate	5.88	43	1082085	91.728	ug/l	99
43) Ethyl Acetate	6.91	43	100506	18.508	ug/l	96
45) 1,4-Dioxane	9.19	88	33769	391.874	ug/l	92
46) Methyl methacrylate	9.19	41	77746	17.217	ug/l	95
47) n-amyl Acetate	12.07	43	115622	15.956	ug/l	100
48) t-1,3-Dichloropropene	10.37	75	129259	19.002	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	151895	19.162	ug/l	97
50) 1,1,2-Trichloroethane	10.55	97	94973	19.445	ug/l	98
51) Ethyl methacrylate	10.42	69	125808	17.808	ug/l	100
52) 1,3-Dichloropropane	10.70	76	159575	19.359	ug/l	99
53) Dibromochloromethane	10.90	129	97675	19.239	ug/l	99
54) 1,2-Dibromoethane	11.00	107	95743	19.215	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	257307	84.098	ug/l	99
56) Bromoform	12.12	173	66546	18.945	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	486248	90.083	ug/l	97
59) 2-Hexanone	10.74	43	337253	91.691	ug/l	98
61) Tetrachloroethene	10.63	164	121120	21.486	ug/l	99
62) Toluene	10.15	91	431000	19.702	ug/l	99
64) Chlorobenzene	11.43	112	262368	19.911	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	98968	19.829	ug/l	98
66) Ethyl Benzene	11.50	91	455656	19.766	ug/l	100
67) m/p-Xylenes	11.62	106	342130	39.800	ug/l	98
68) o-Xylene	11.94	106	165179	19.544	ug/l	99
69) Styrene	11.96	104	262180	19.143	ug/l	100
70) Isopropylbenzene	12.24	105	445592	20.023	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	117609	18.869	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	139676	25.469	ug/l	69
73) Bromobenzene	12.52	156	112838	19.650	ug/l	98
74) n-propylbenzene	12.59	91	475614	19.546	ug/l	99
75) 2-Chlorotoluene	12.67	91	288906	19.584	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	375638	20.051	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	30301	17.598	ug/l	96
78) 4-Chlorotoluene	12.77	91	263415	18.785	ug/l	98
79) tert-butylbenzene	12.99	119	329523	20.383	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	363225	19.888	ug/l	99
81) sec-Butylbenzene	13.17	105	415828	19.701	ug/l	99
82) p-Isopropyltoluene	13.29	119	377788	19.930	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	166200	18.382	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	151619	17.736	ug/l	99
85) n-Butylbenzene	13.61	91	268211	18.019	ug/l	98
86) Hexachloroethane	13.87	117	64721	20.401	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	171361	19.081	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16789	17.411	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	58864	17.532	ug/l	95
90) Hexachlorobutadiene	15.00	225	73875	22.379	ug/l	98
91) Naphthalene	15.12	128	129721	15.851	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	66450	13.996	ug/l	98

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Quant Time: Aug 02 05:07:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 2019
Response via : Initial Calibration

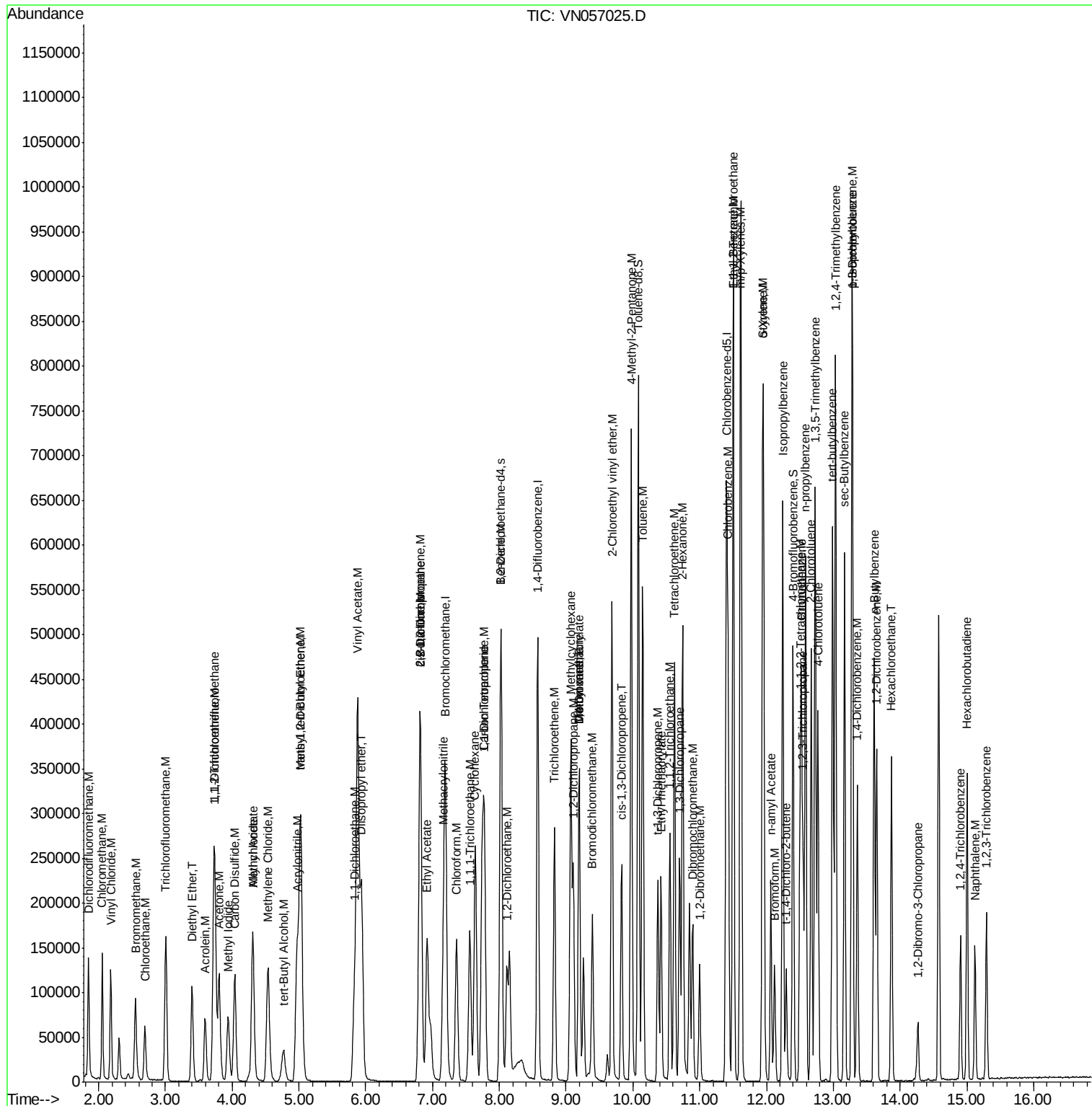
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

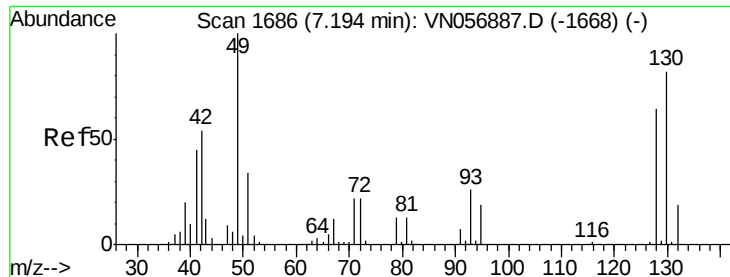
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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 Data File : VN057025.D
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 Operator : JC/SP
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Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Quant Time: Aug 02 05:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

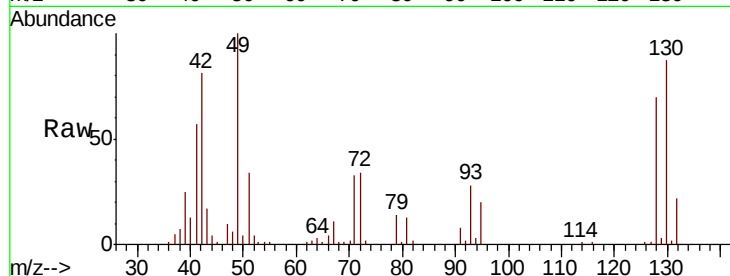
Tot Ion:128 Resp: 86906

Ion Ratio Lower Upper

128 100

49 146.9 0.0 385.8

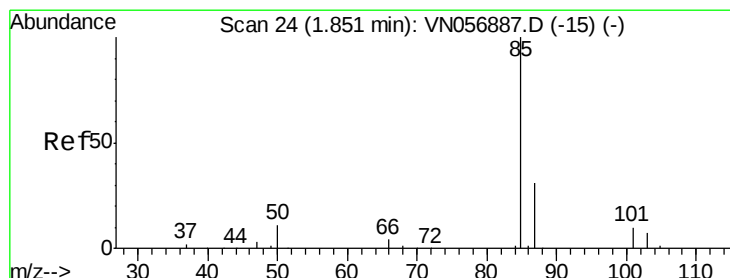
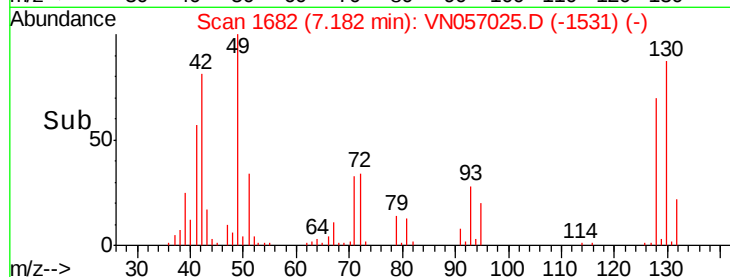
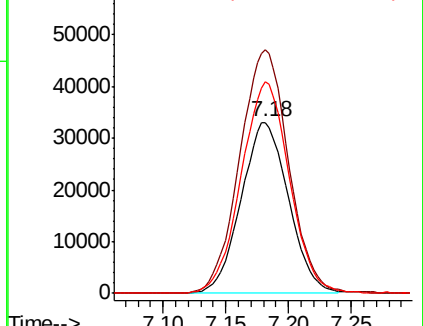
130 126.2 0.0 322.5



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: 21.054 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057025.D

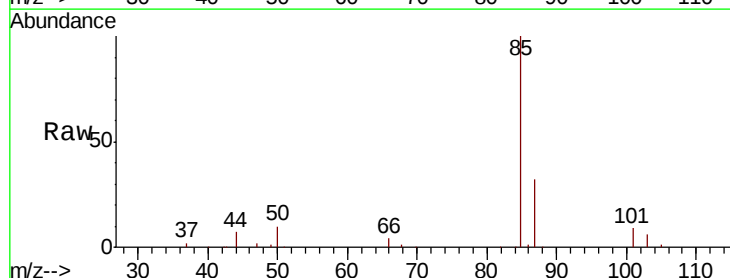
Acq: 1 Aug 2019 10:13

Tgt Ion: 85 Resp: 109396

Ion Ratio Lower Upper

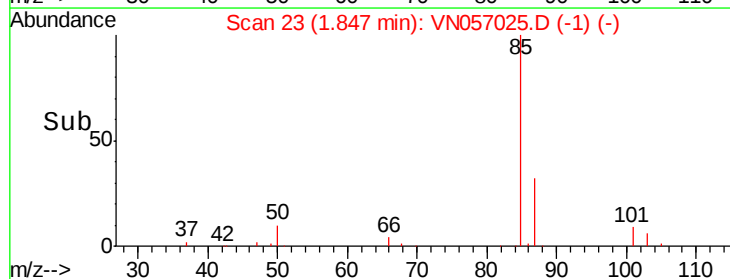
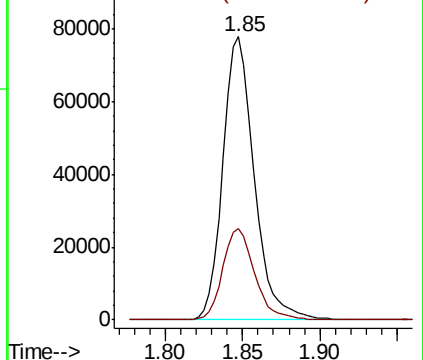
85 100

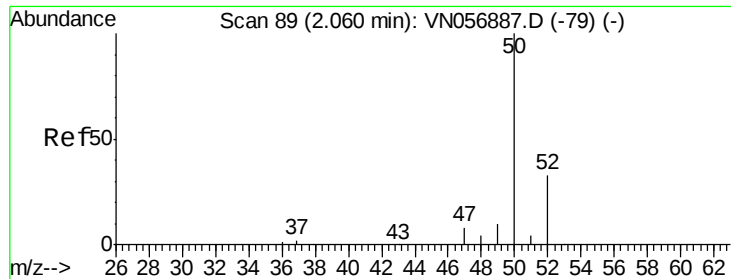
87 32.4 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.261 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

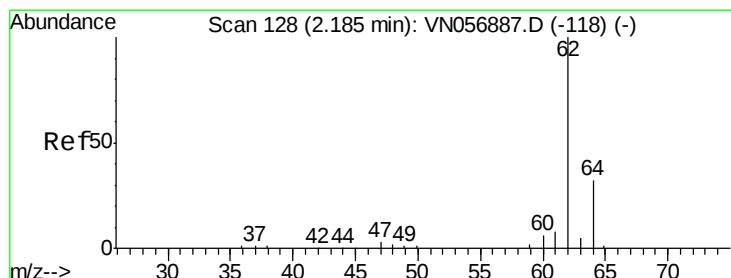
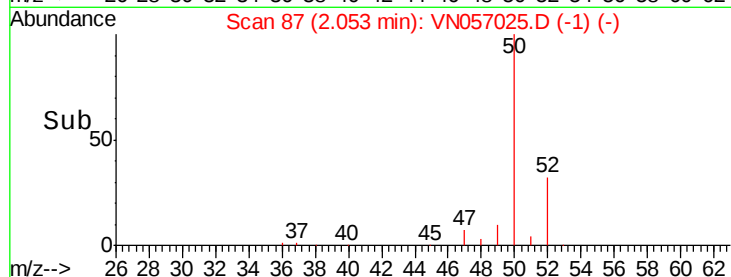
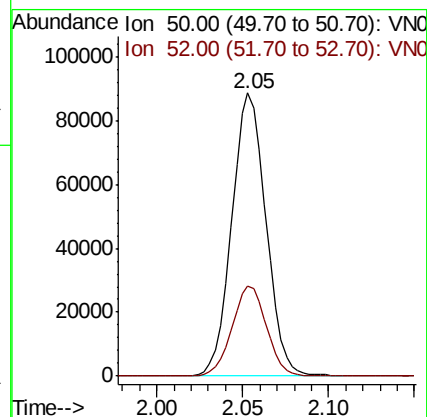
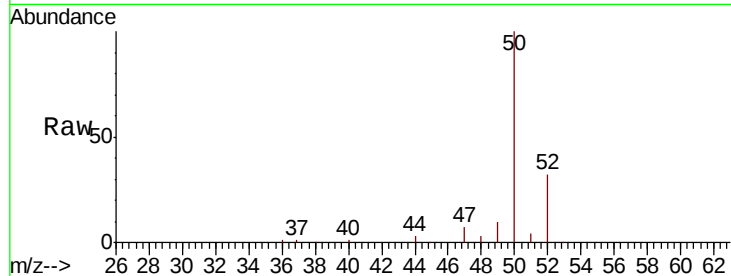
VN0801WBS01

Tot Ion: 50 Resp: 122126

Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.2



#4

Vinyl Chloride

Concen: 18.735 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.01 min

Lab File: VN057025.D

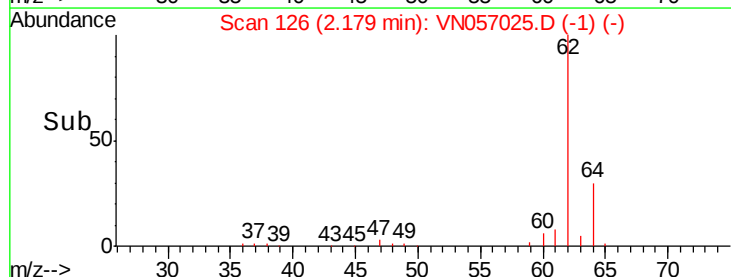
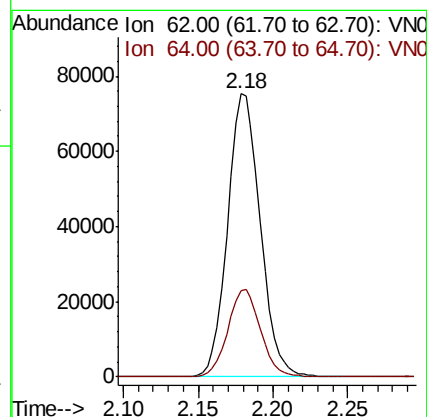
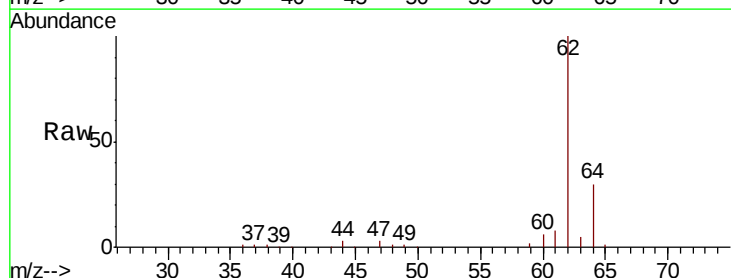
Acq: 1 Aug 2019 10:13

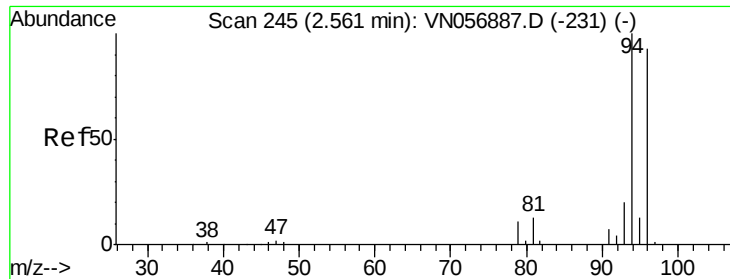
Tgt Ion: 62 Resp: 114532

Ion Ratio Lower Upper

62 100

64 30.4 25.4 38.0





#5

Bromomethane

Concen: 18.544 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

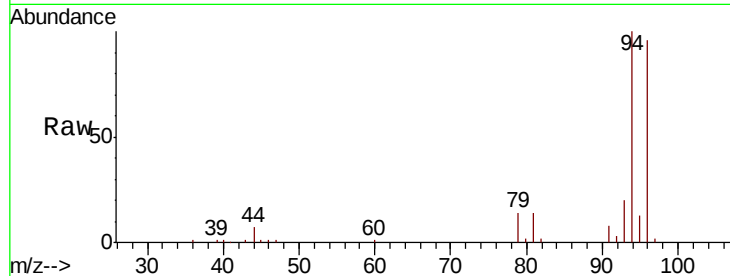
VN0801WBS01

Tot Ion: 94 Resp: 69603

Ion Ratio Lower Upper

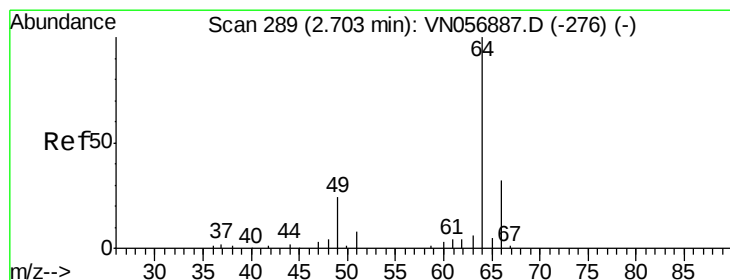
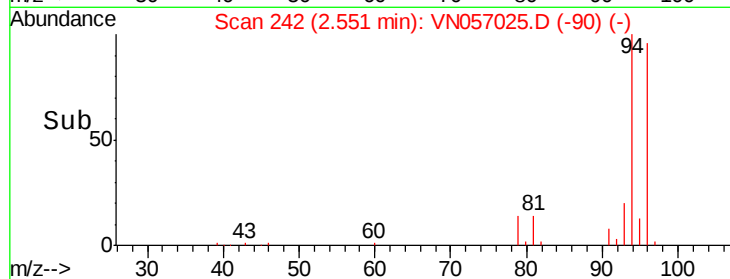
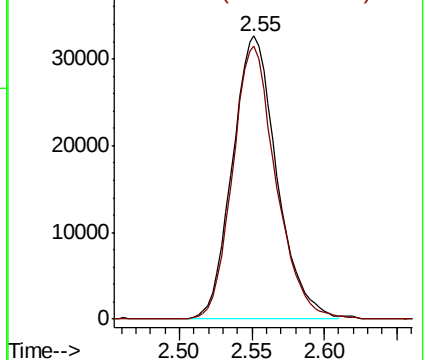
94 100

96 96.5 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.469 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN057025.D

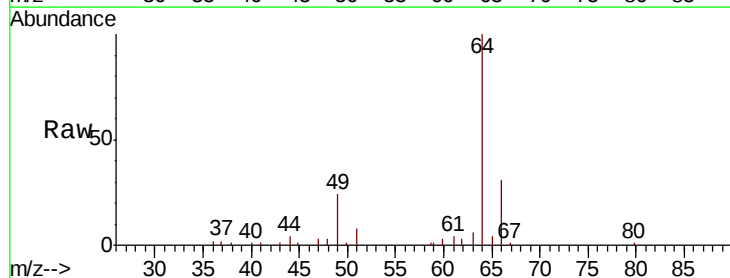
Acq: 1 Aug 2019 10:13

Tgt Ion: 64 Resp: 62626

Ion Ratio Lower Upper

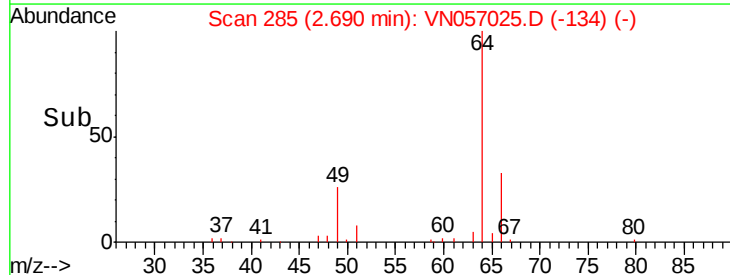
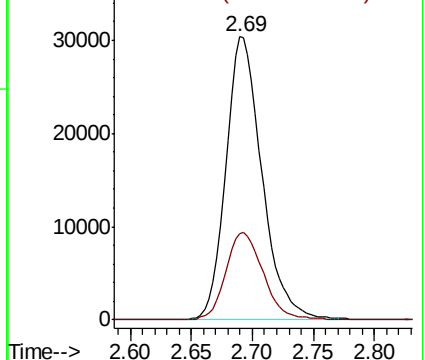
64 100

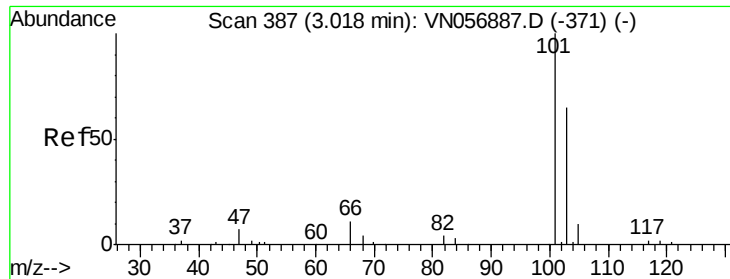
66 30.6 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



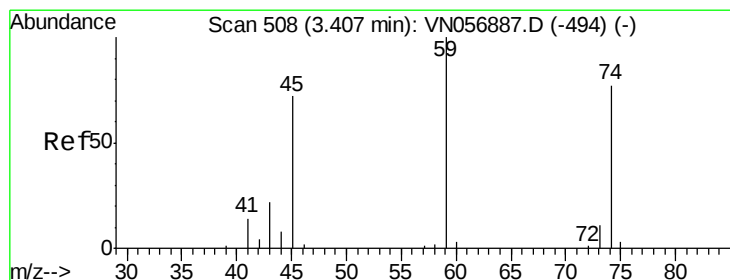
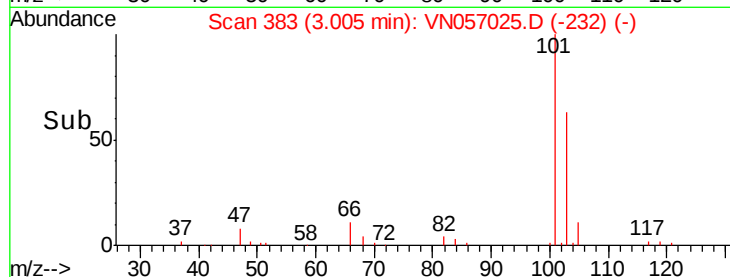
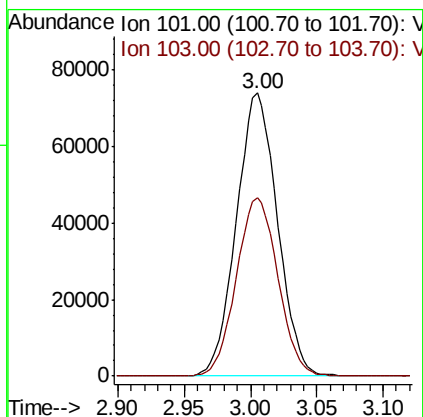
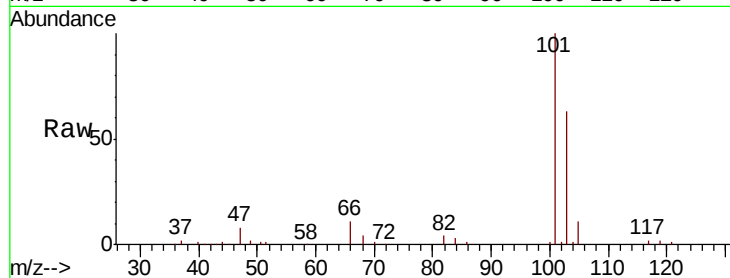


#7

Trichlorofluoromethane
 Concen: 21.407 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

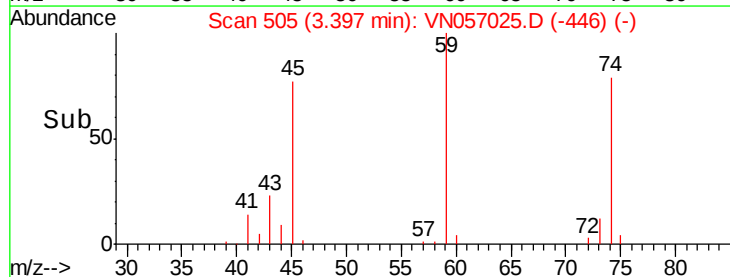
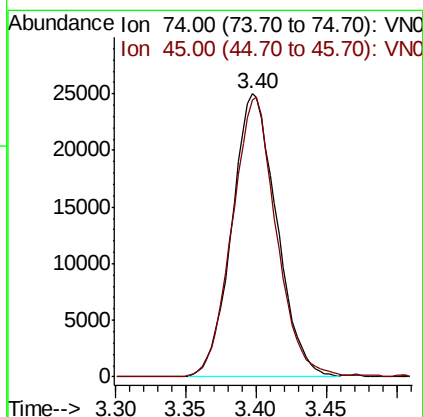
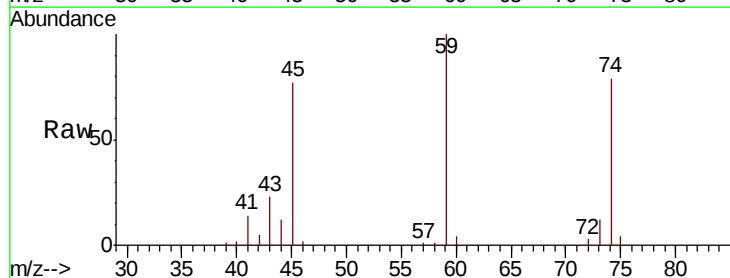
Tot Ion:101 Resp: 159367
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.2 78.4

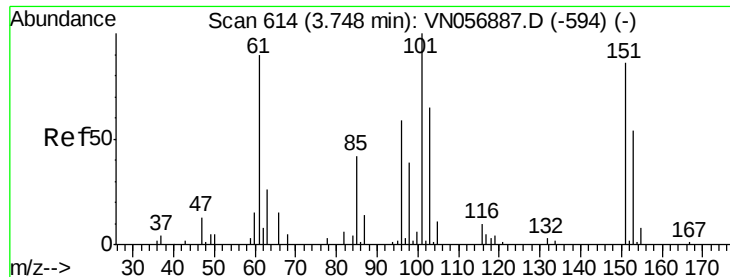


#8

Diethyl Ether
 Concen: 19.994 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 74 Resp: 55463
 Ion Ratio Lower Upper
 74 100
 45 97.2 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.608 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

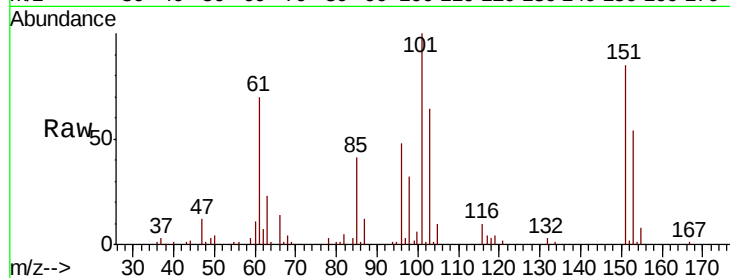
Tot Ion:101 Resp: 96348

Ion Ratio Lower Upper

101 100

85 41.1 0.0 85.0

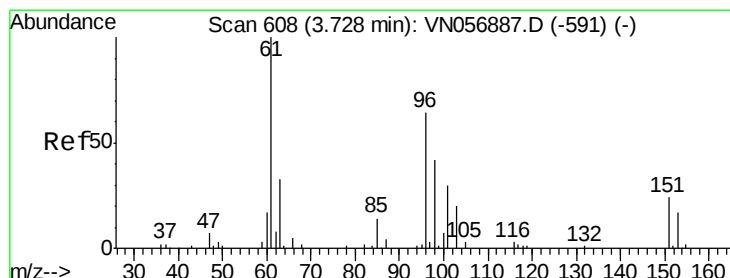
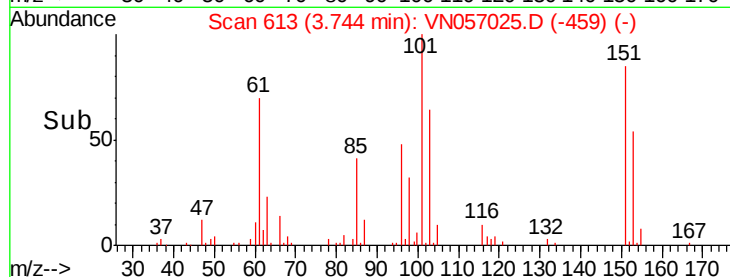
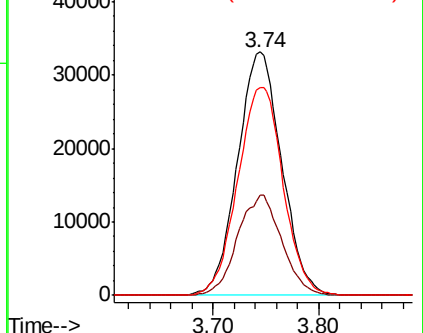
151 87.8 0.0 167.2



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: 19.710 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

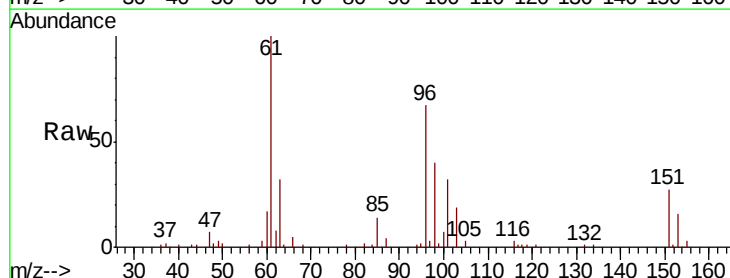
Tgt Ion: 96 Resp: 91445

Ion Ratio Lower Upper

96 100

61 148.4 125.8 188.8

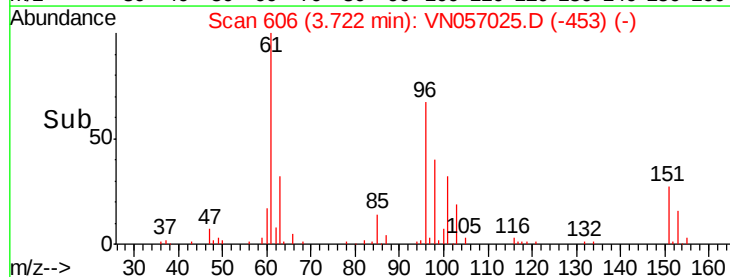
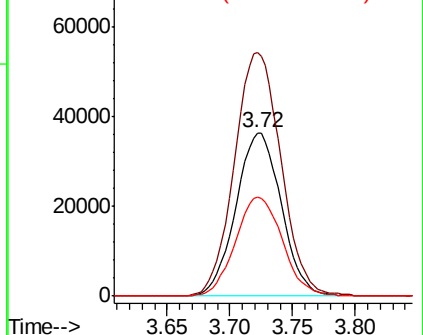
98 60.3 52.7 79.1

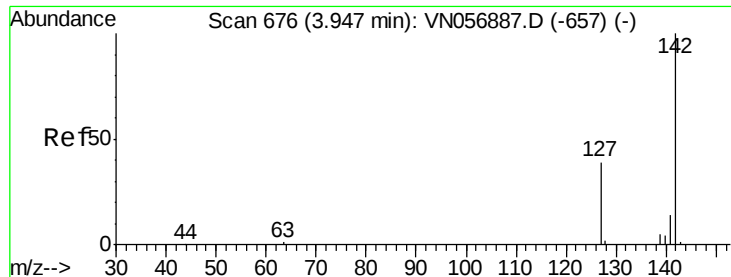


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

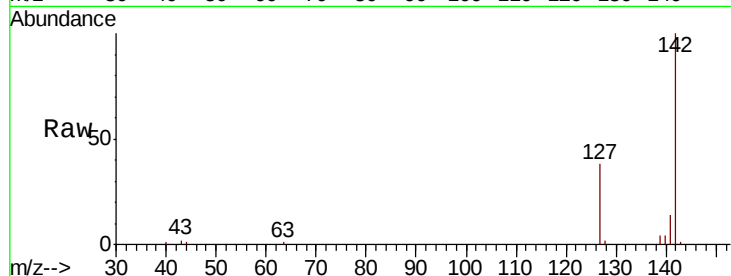




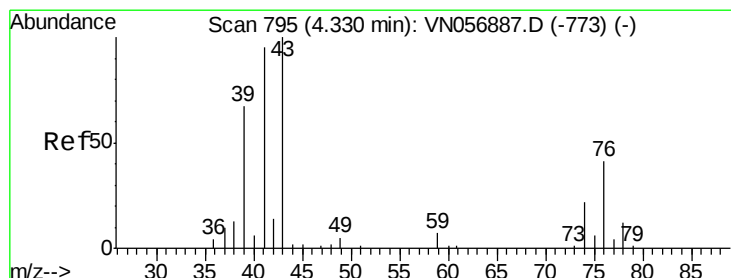
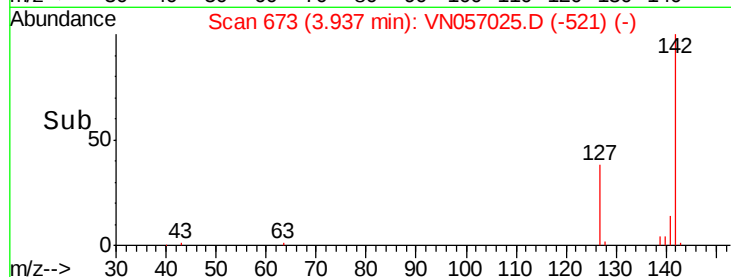
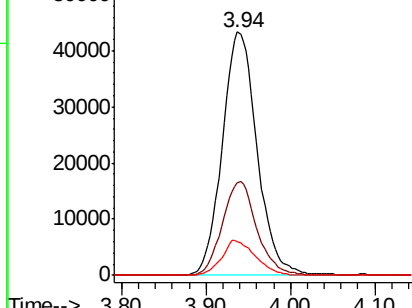
#11
Methvl Iodide
Concen: 18.138 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion:142 Resp: 124499
Ion Ratio Lower Upper
142 100
127 37.8 19.6 58.8
141 14.0 7.2 21.6

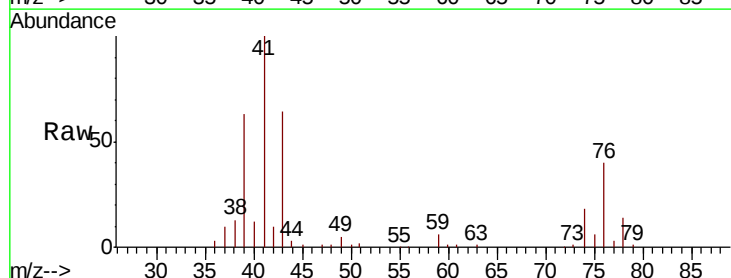


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

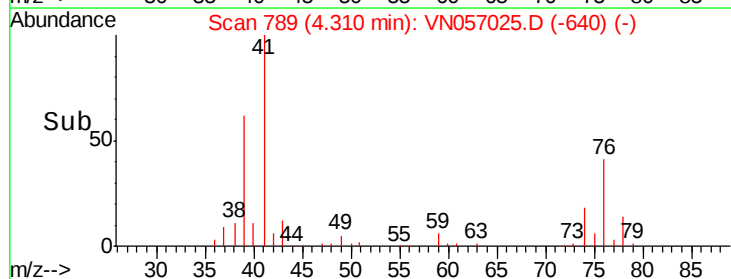
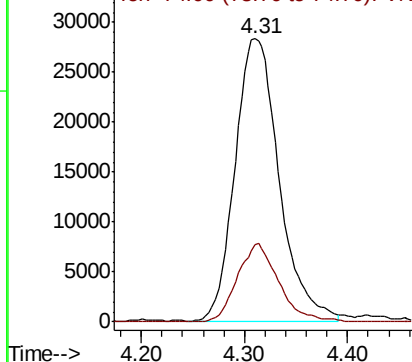


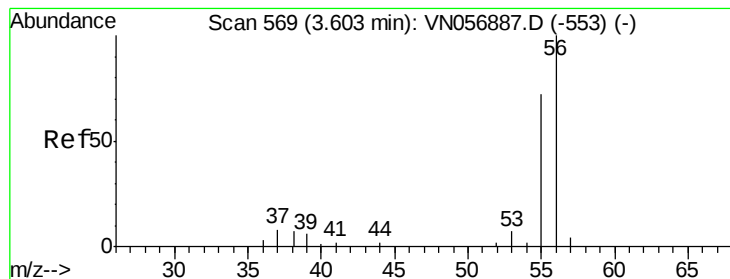
#12
Methyl Acetate
Concen: 14.941 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 43 Resp: 84836
Ion Ratio Lower Upper
43 100
74 27.2 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 126.415 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

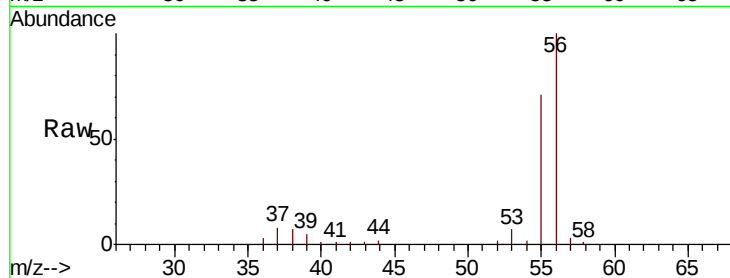
VN0801WBS01

Tot Ion: 56 Resp: 81236

Ion Ratio Lower Upper

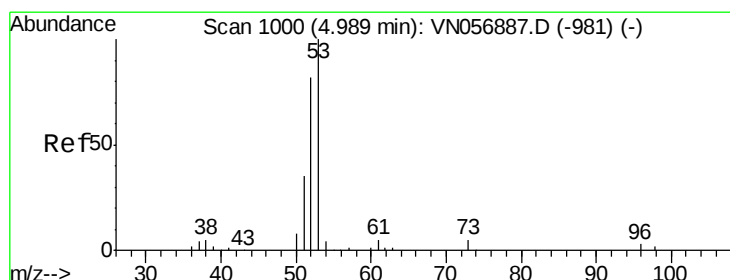
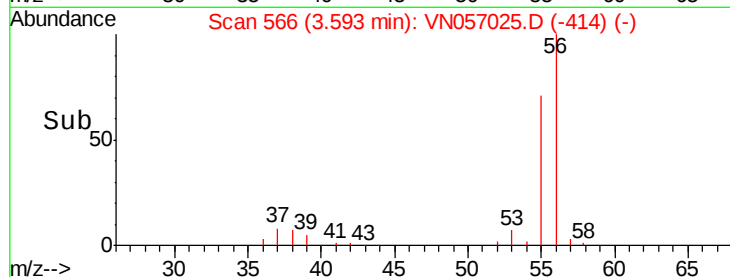
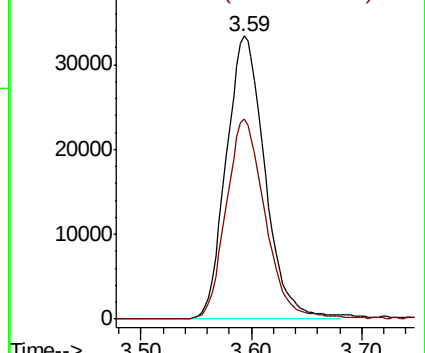
56 100

55 70.7 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 89.098 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

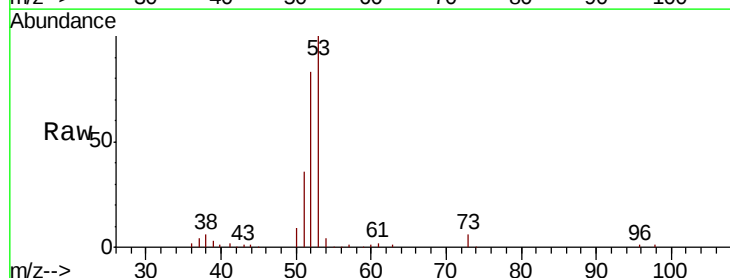
Tgt Ion: 53 Resp: 195107

Ion Ratio Lower Upper

53 100

52 82.2 40.8 122.5

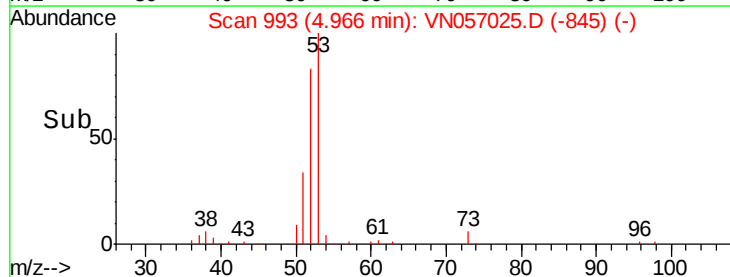
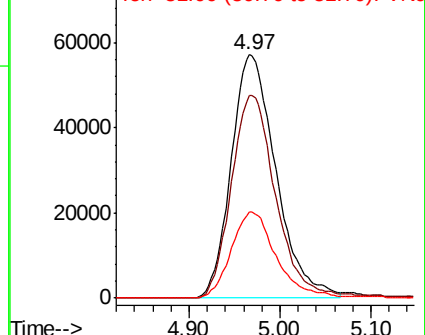
51 34.8 17.4 52.2

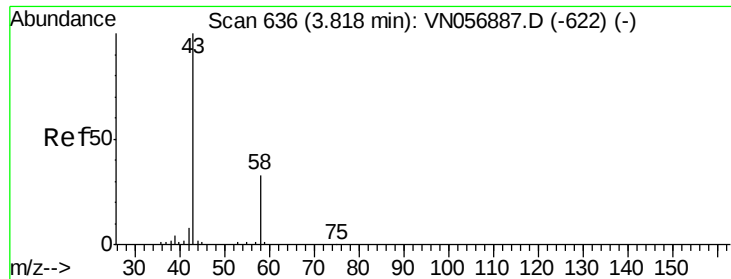


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 117.090 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

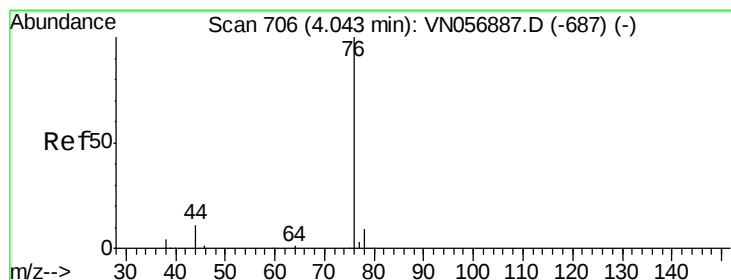
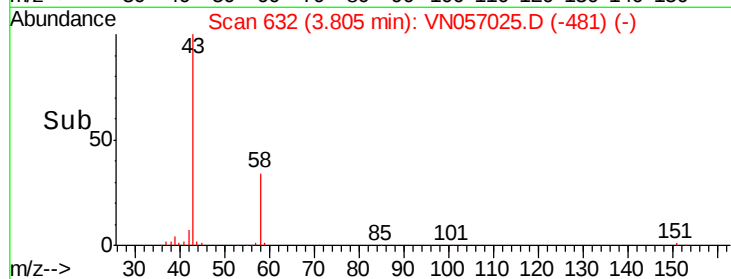
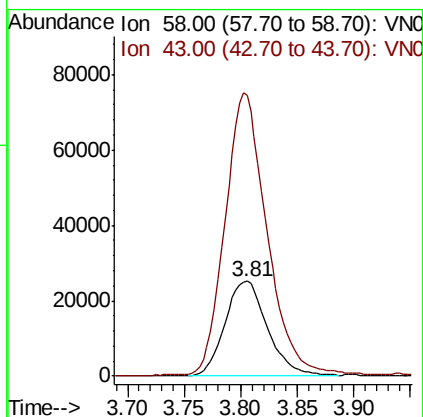
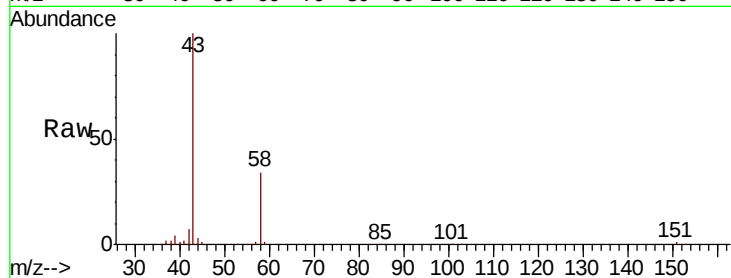
VN0801WBS01

Tot Ion: 58 Resp: 66289

Ion Ratio Lower Upper

58 100

43 292.7 242.4 363.6



#16

Carbon Disulfide

Concen: 19.287 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057025.D

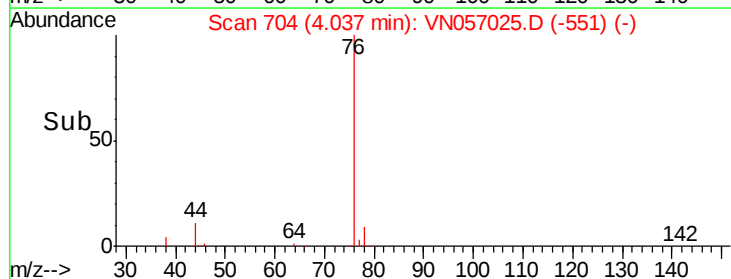
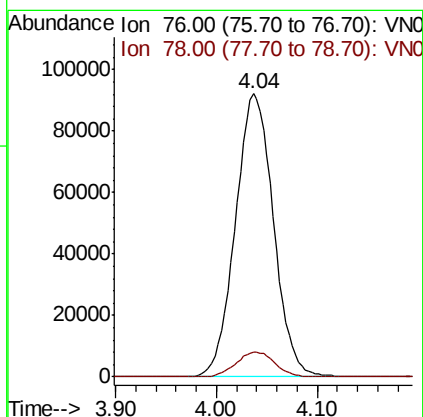
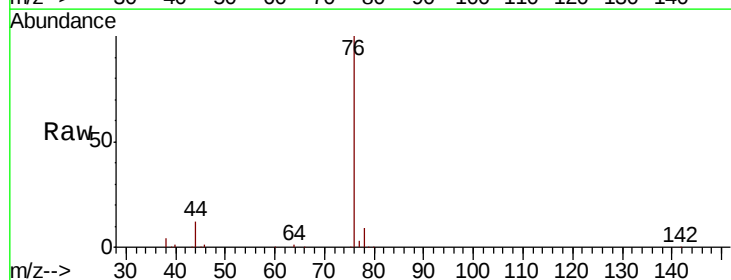
Acq: 1 Aug 2019 10:13

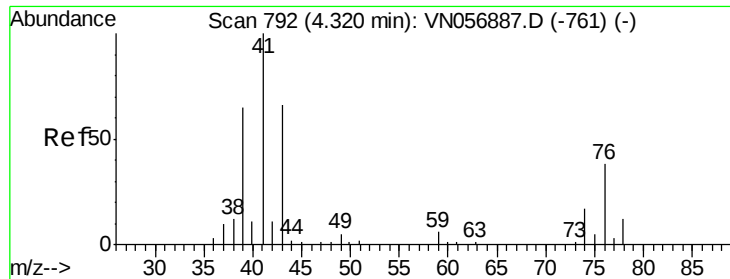
Tgt Ion: 76 Resp: 241288

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7





#17

Allvl chloride

Concen: 17.828 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

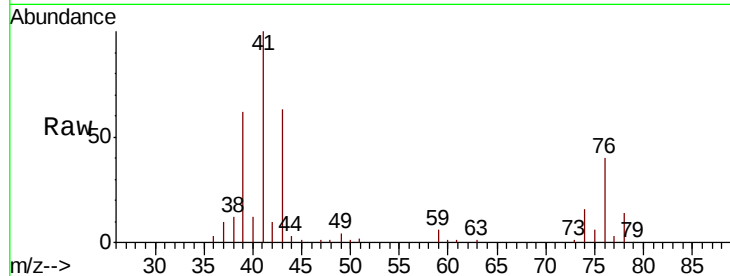
Tot Ion: 41 Resp: 138413

Ion Ratio Lower Upper

41 100

39 61.7 32.4 97.0

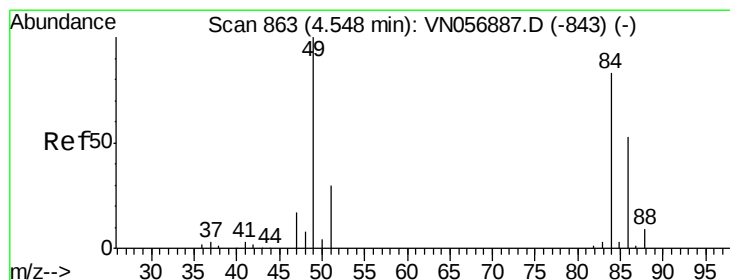
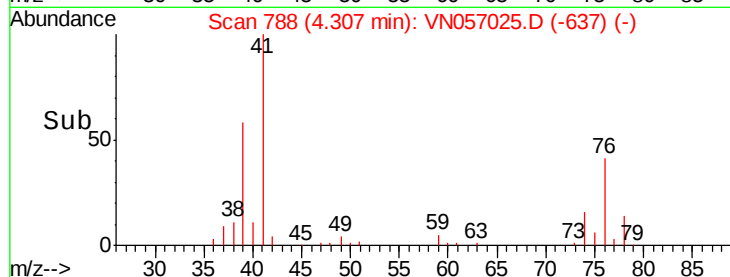
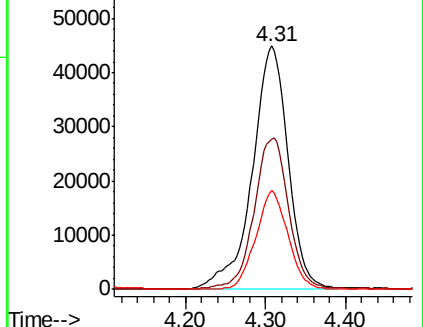
76 40.5 19.0 57.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 19.032 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion: 84 Resp: 102774

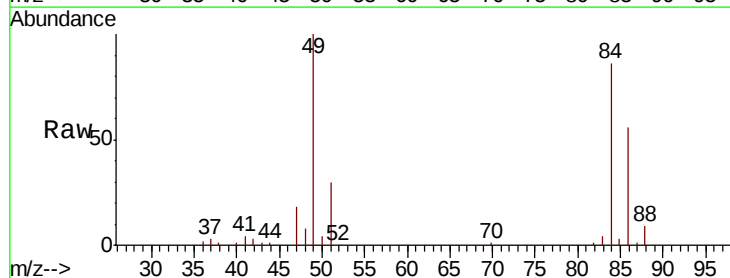
Ion Ratio Lower Upper

84 100

49 115.9 96.3 144.5

51 34.5 28.8 43.2

86 64.5 50.9 76.3

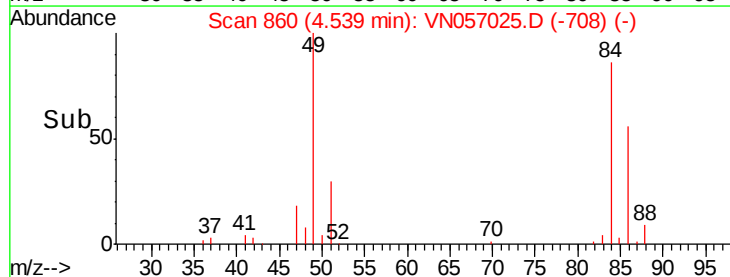
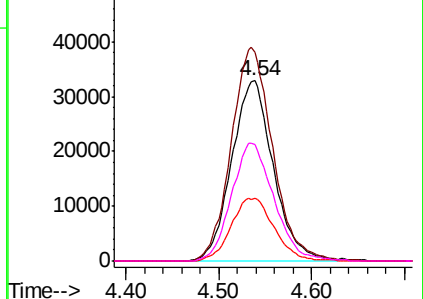


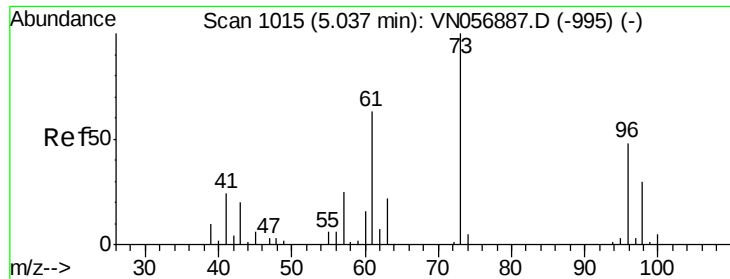
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

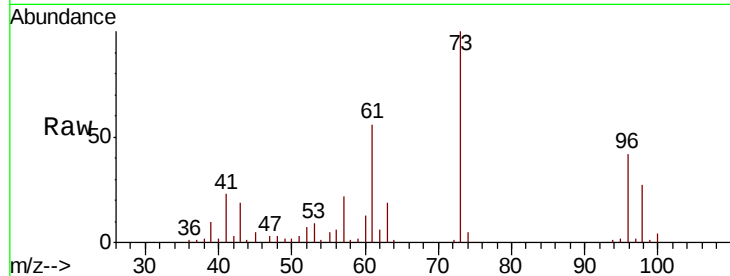




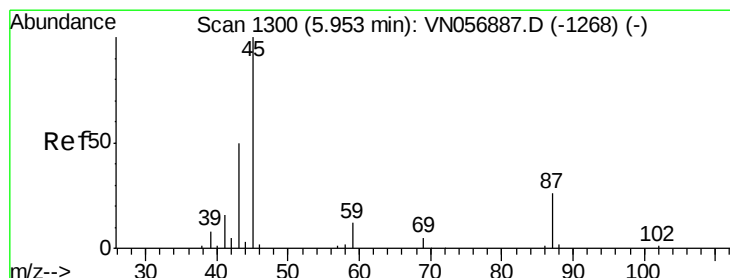
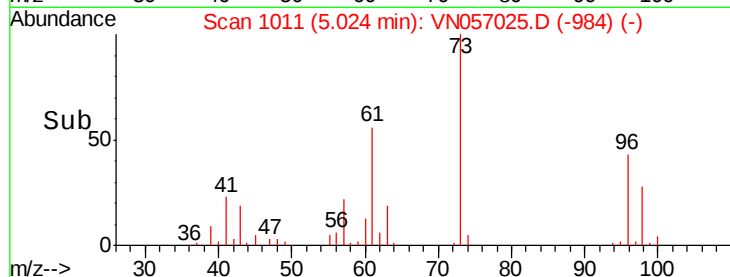
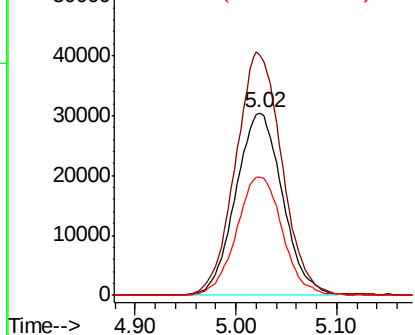
#19
trans-1,2-Dichloroethene
Concen: 19.930 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion: 96 Resp: 97860
Ion Ratio Lower Upper
96 100
61 130.7 105.4 158.0
98 64.7 50.8 76.2

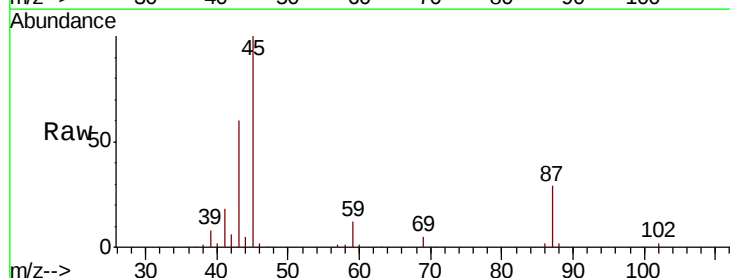


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

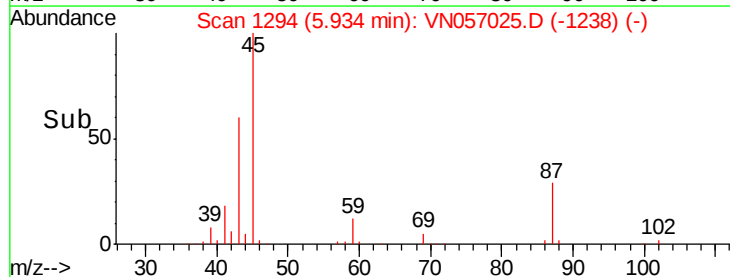
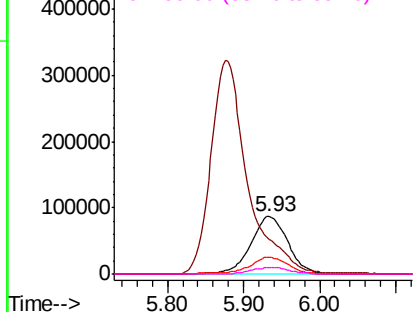


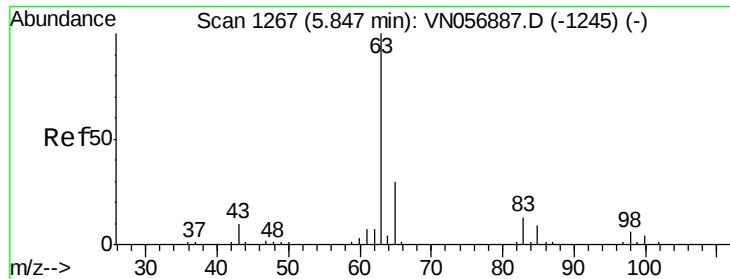
#20
Diisopropyl ether
Concen: 18.609 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.02 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 45 Resp: 293346
Ion Ratio Lower Upper
45 100
43 58.5 47.4 71.0
87 29.1 21.7 32.5
59 12.0 9.3 13.9



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

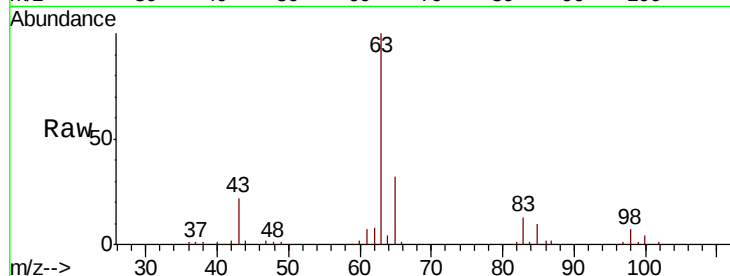




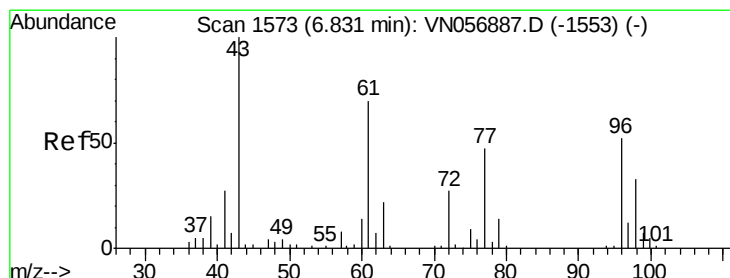
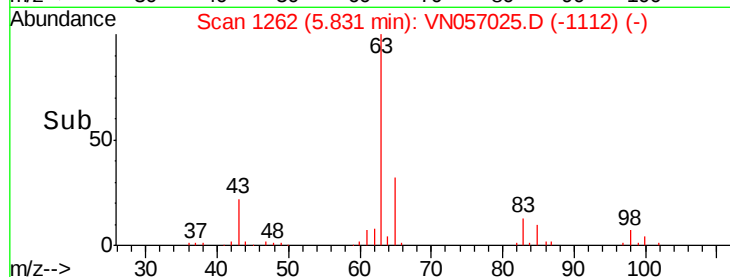
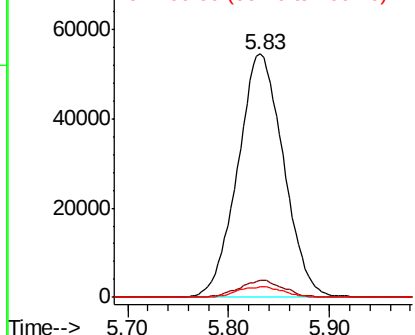
#21
 1,1-Dichloroethane
 Concen: 18.752 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion: 63 Resp: 171782
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.1 9.3
 100 4.3 1.8 5.5

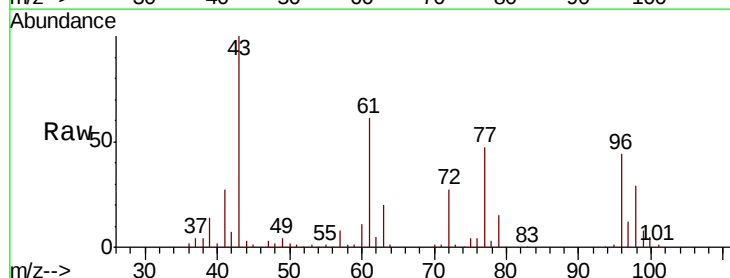


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

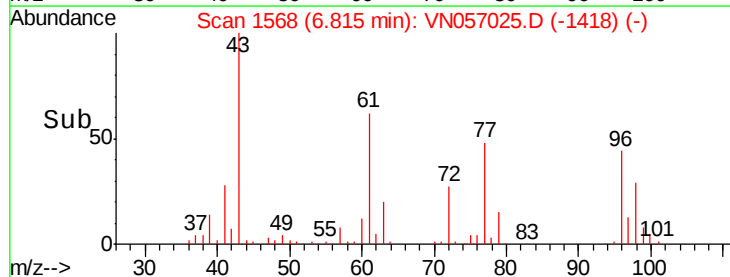
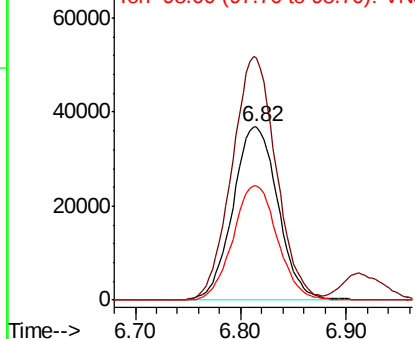


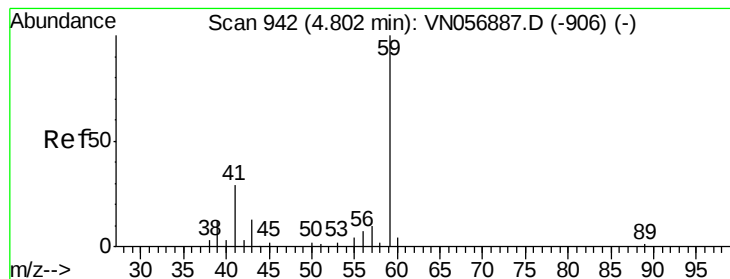
#22
 cis-1,2-Dichloroethene
 Concen: 19.205 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 96 Resp: 109290
 Ion Ratio Lower Upper
 96 100
 61 138.2 111.6 167.4
 98 65.2 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: 93.151 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.03 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

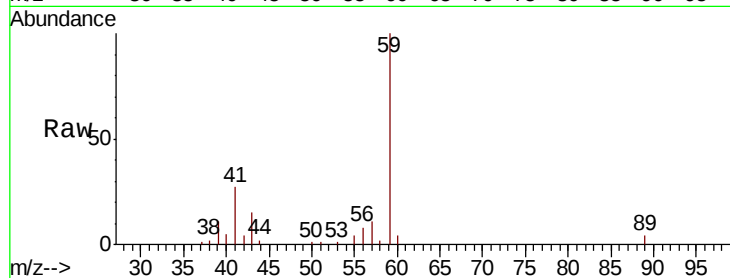
VN0801WBS01

Tot Ion: 59 Resp: 68072

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN056887.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056887.D (-906) (-)

50000

40000

30000

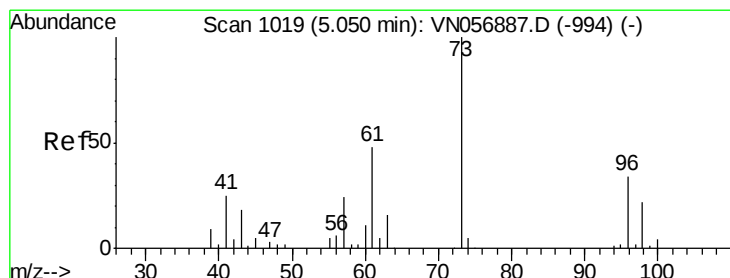
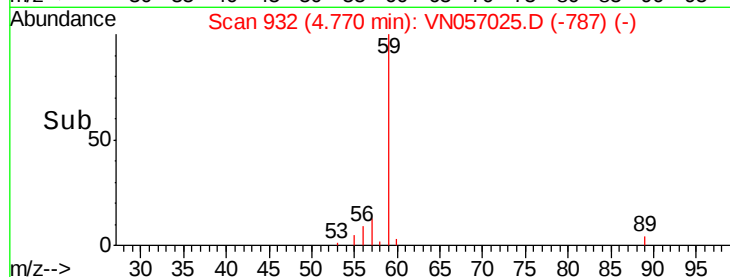
20000

10000

0

4.60 4.70 4.80 4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 18.775 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. -0.03 min

Lab File: VN057025.D

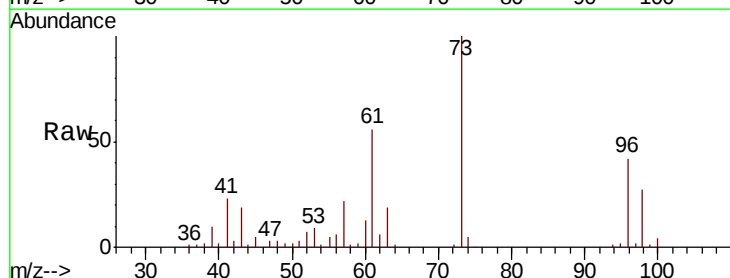
Acq: 1 Aug 2019 10:13

Tgt Ion: 73 Resp: 263358

Ion Ratio Lower Upper

73 100

43 18.5 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN056887.D (-994) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-994) (-)

80000

60000

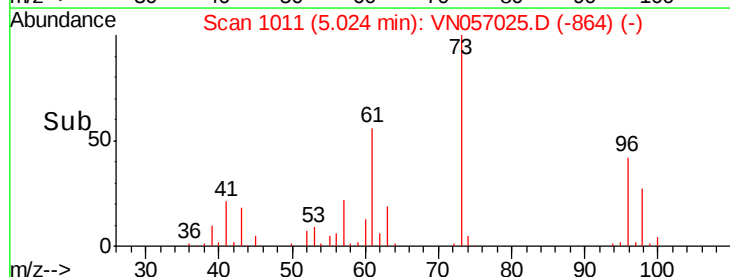
40000

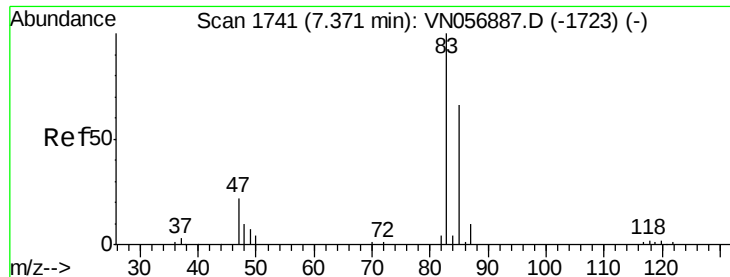
20000

0

4.90 5.00 5.10

Time-->

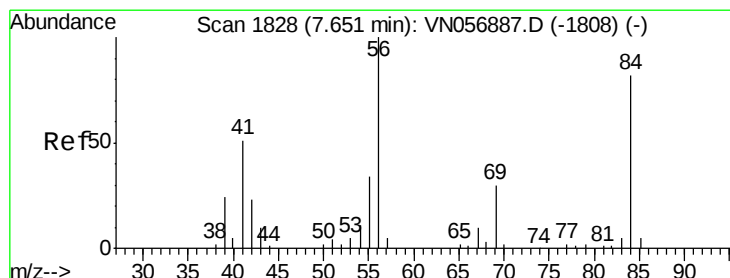
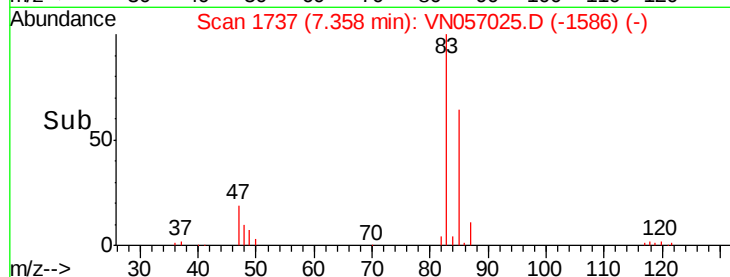
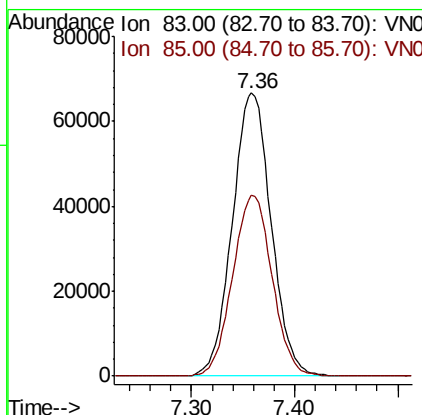
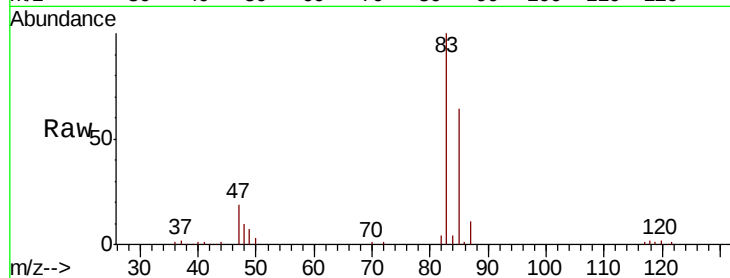




#25
Chloroform
Concen: 19.551 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

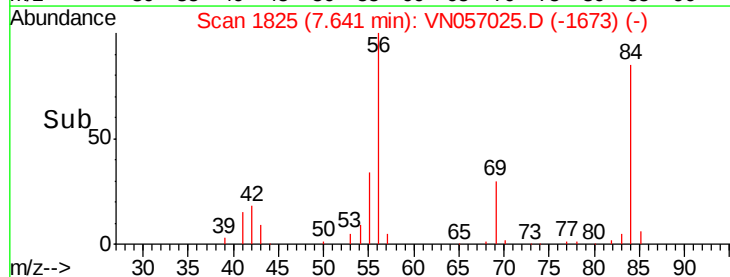
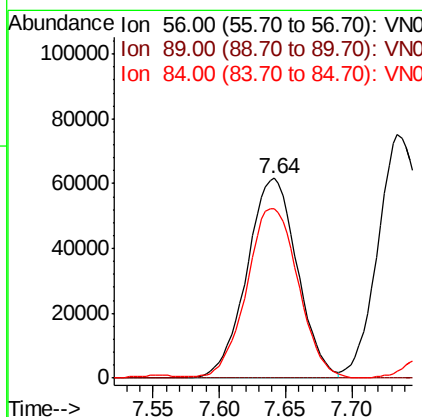
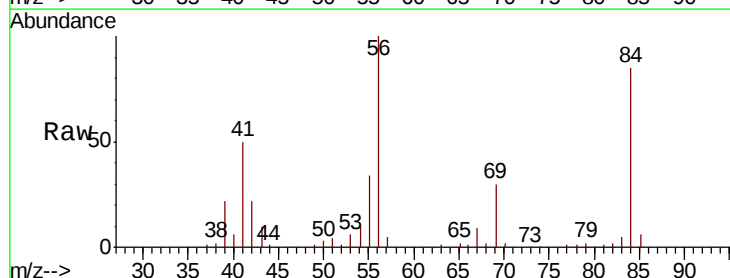
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

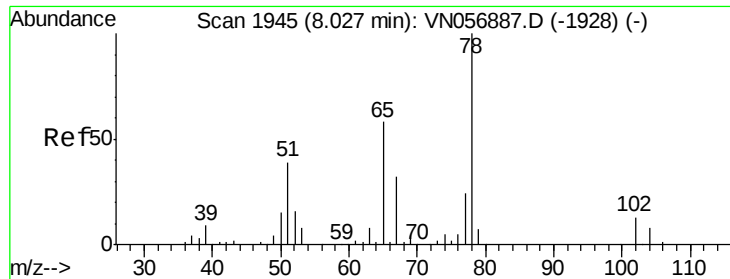
Tot Ion: 83 Resp: 174720
Ion Ratio Lower Upper
83 100
85 63.9 53.1 79.7



#26
Cyclohexane
Concen: 19.412 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 56 Resp: 163356
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.4 67.8 101.6

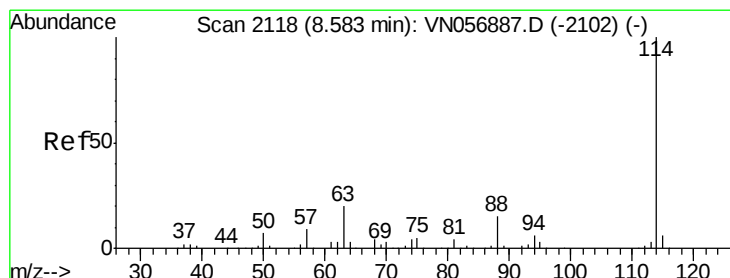
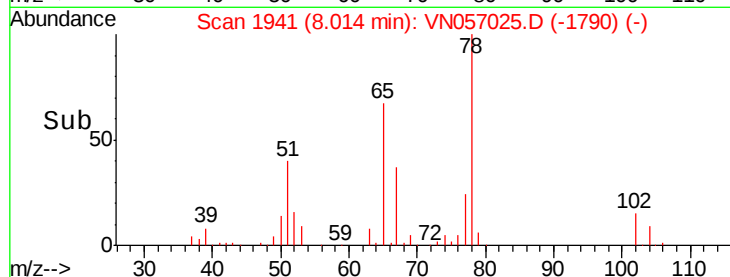
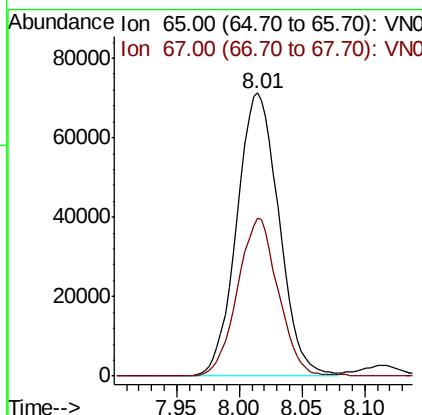
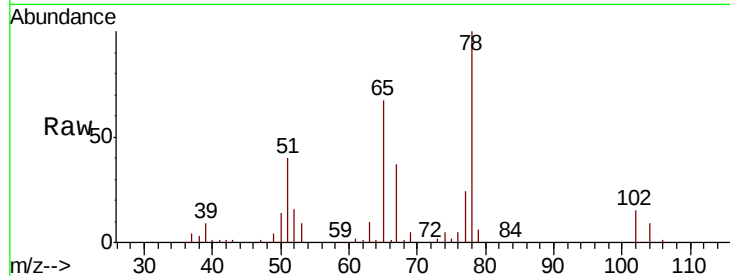




#27
 1,2-Dichloroethane-d4
 Concen: 29.319 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

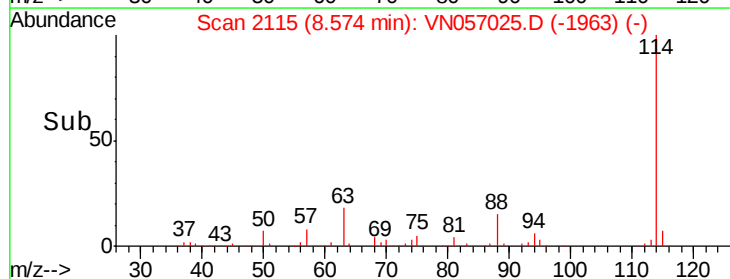
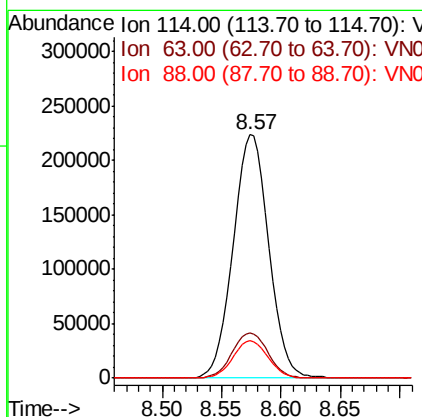
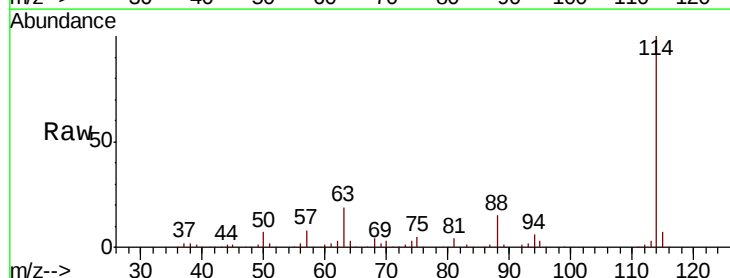
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

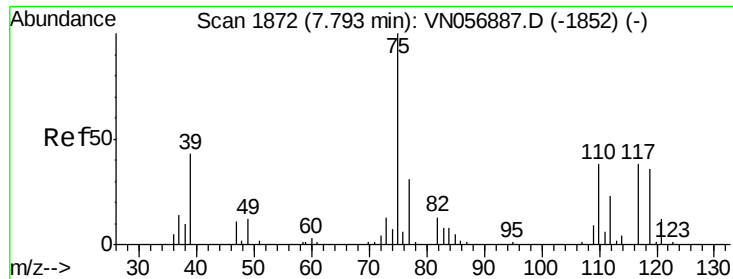
Tot Ion: 65 Resp: 166751
 Ion Ratio Lower Upper
 65 100
 67 53.9 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 114 Resp: 464614
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.8 23.6
 88 15.2 12.5 18.7

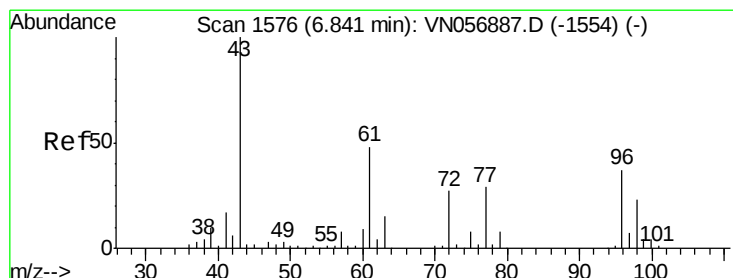
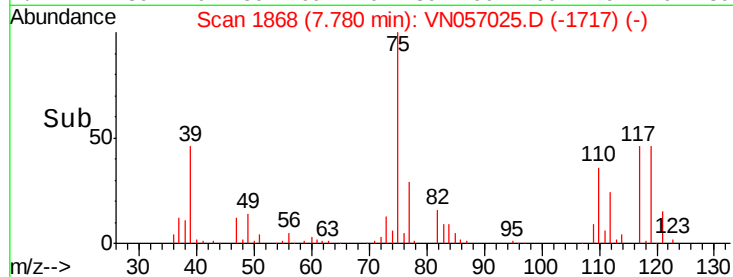
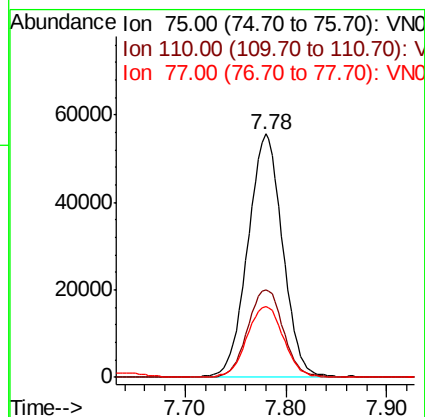
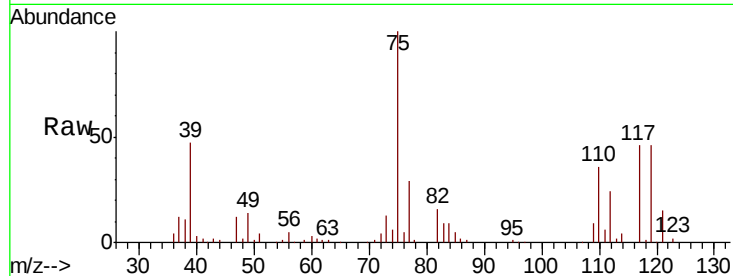




#29
 1,1-Dichloropropene
 Concen: 20.184 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

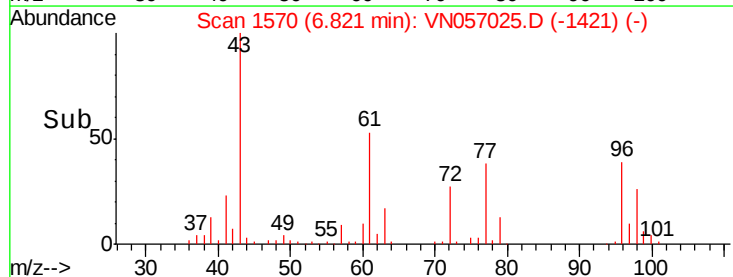
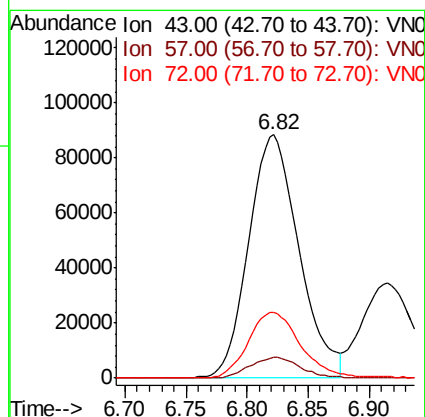
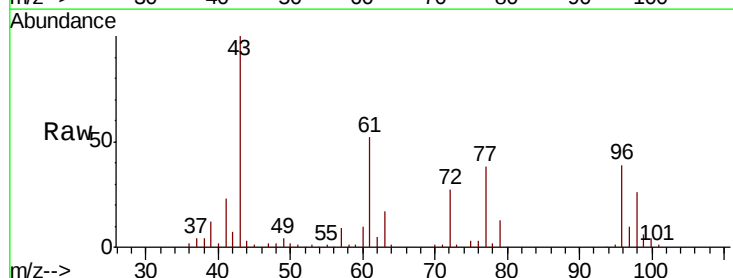
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

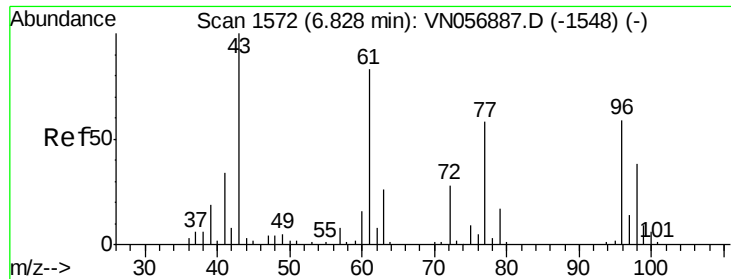
Tot Ion: 75 Resp: 133080
 Ion Ratio Lower Upper
 75 100
 110 36.9 0.0 75.8
 77 30.7 0.0 64.0



#30
 2-Butanone
 Concen: 95.036 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 43 Resp: 251743
 Ion Ratio Lower Upper
 43 100
 57 8.7 6.5 9.7
 72 28.2 22.1 33.1





#31

2,2-Dichloropropane

Concen: 21.517 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

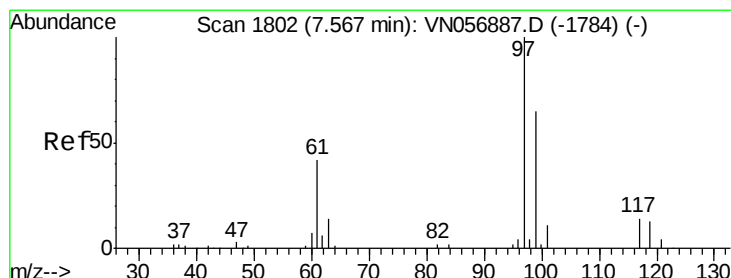
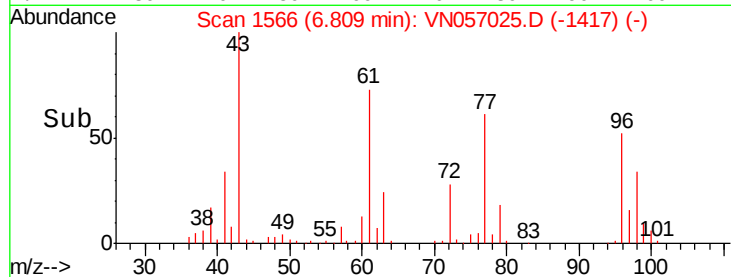
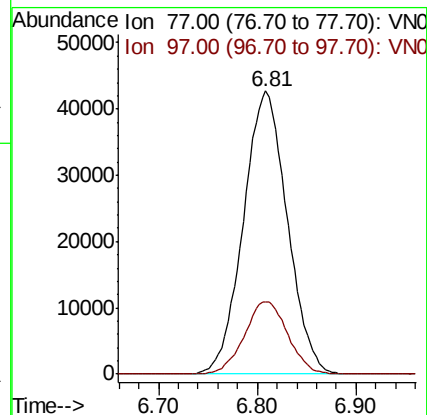
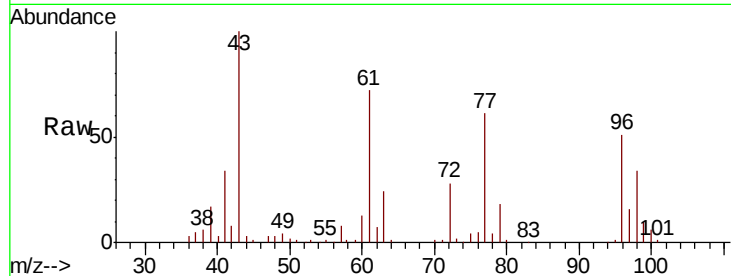
VN0801WBS01

Tot Ion: 77 Resp: 131655

Ion Ratio Lower Upper

77 100

97 25.2 19.3 28.9



#32

1,1,1-Trichloroethane

Concen: 20.393 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

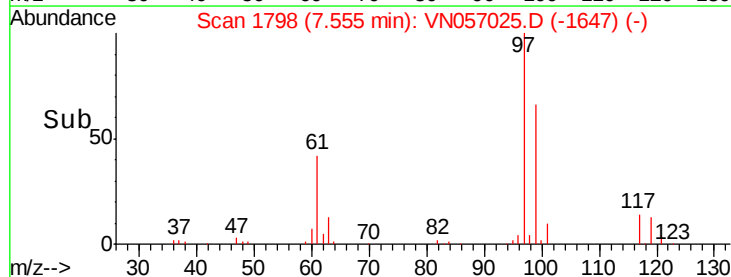
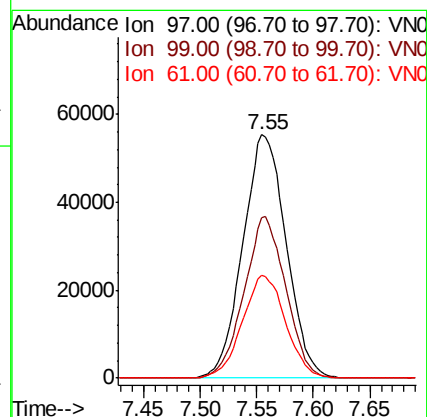
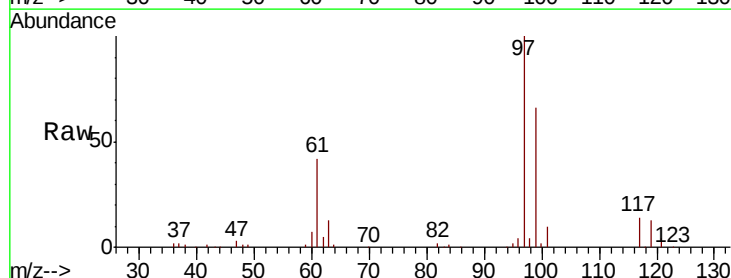
Tgt Ion: 97 Resp: 147734

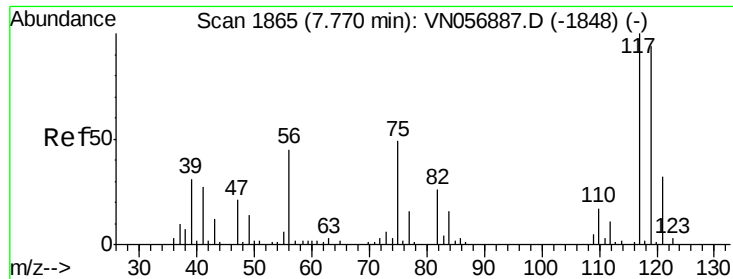
Ion Ratio Lower Upper

97 100

99 63.6 52.3 78.5

61 42.1 34.4 51.6

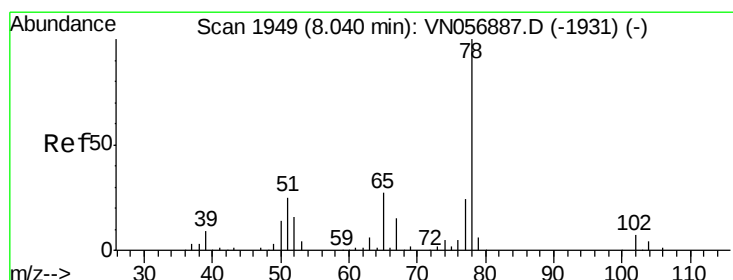
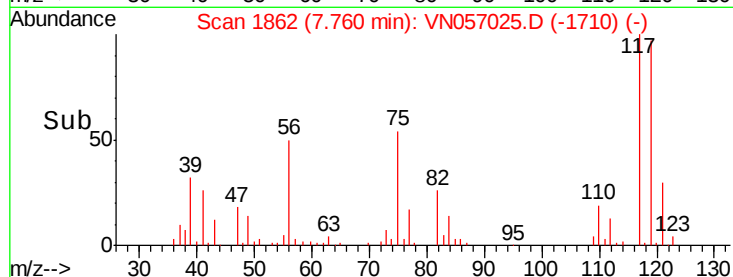
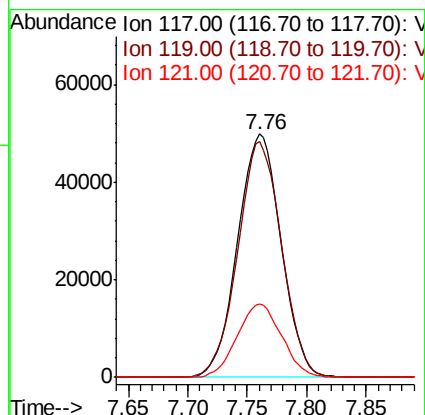
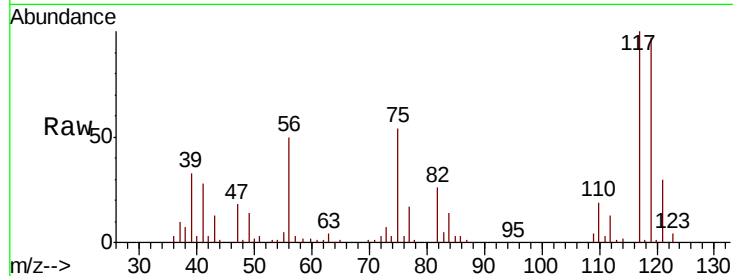




#33
Carbon Tetrachloride
Concen: 19.940 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

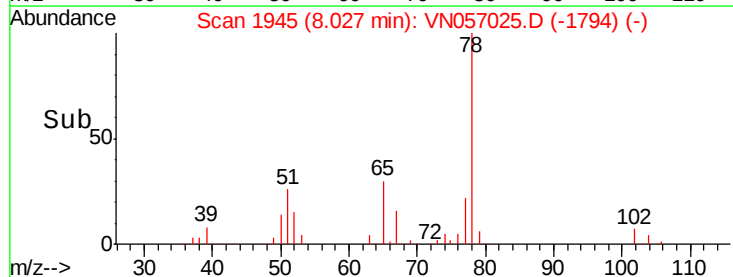
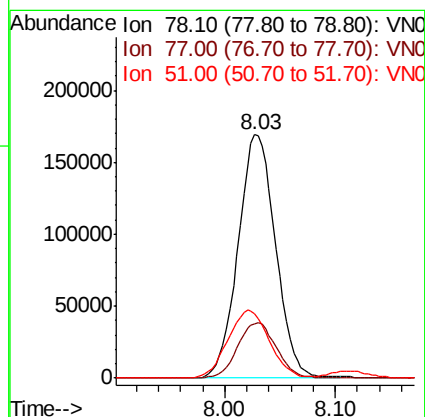
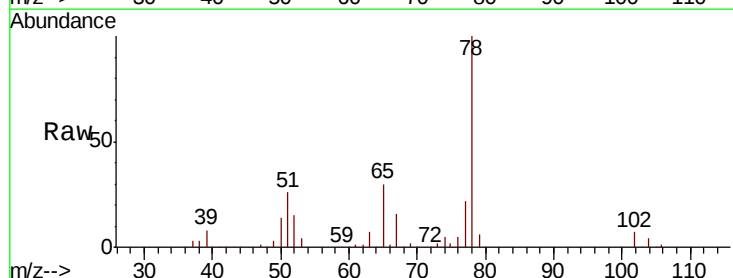
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

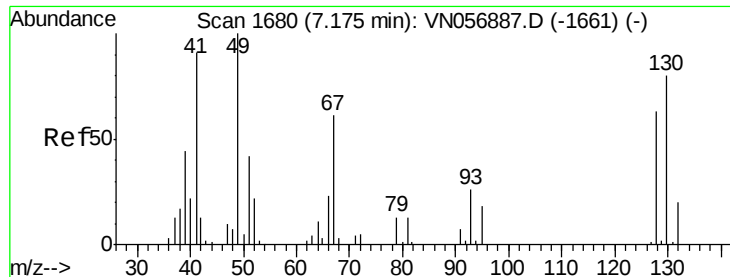
Tot Ion:117 Resp: 126079
Ion Ratio Lower Upper
117 100
119 96.7 75.1 112.7
121 30.2 25.8 38.8



#34
Benzene
Concen: 19.187 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 78 Resp: 398611
Ion Ratio Lower Upper
78 100
77 22.5 19.4 29.2
51 26.1 20.4 30.6

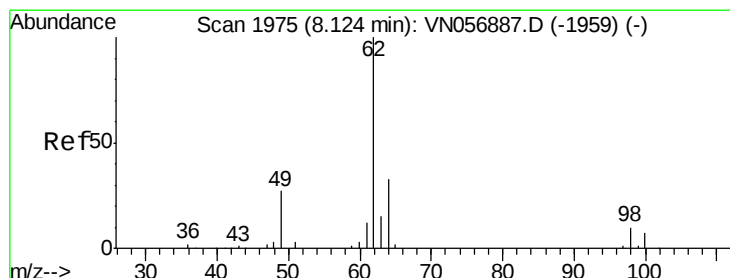
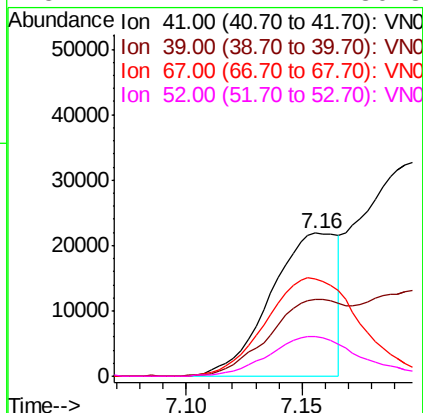
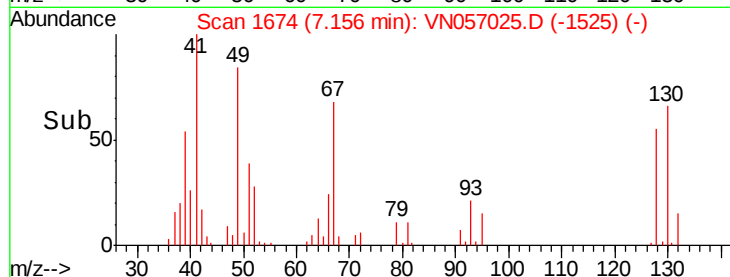
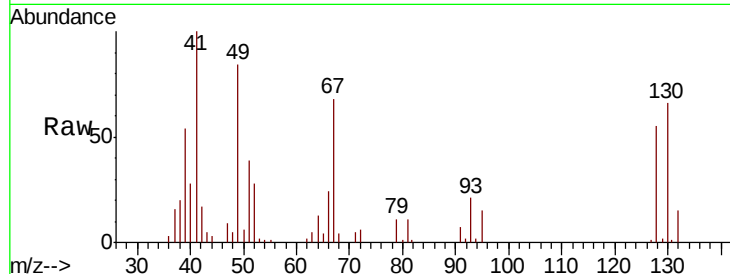




#35
Methacrylonitrile
Concen: 16.592 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.02 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

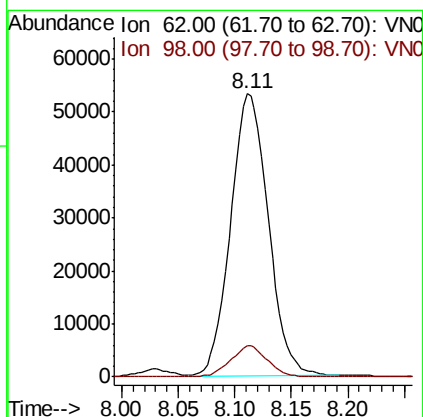
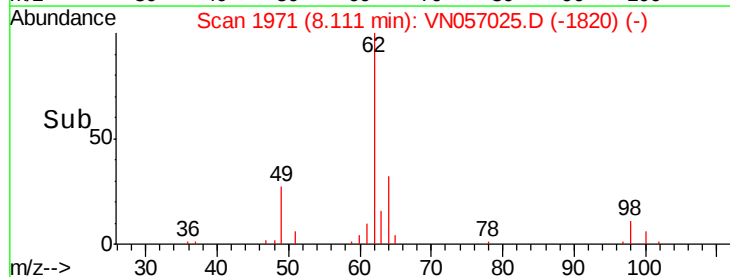
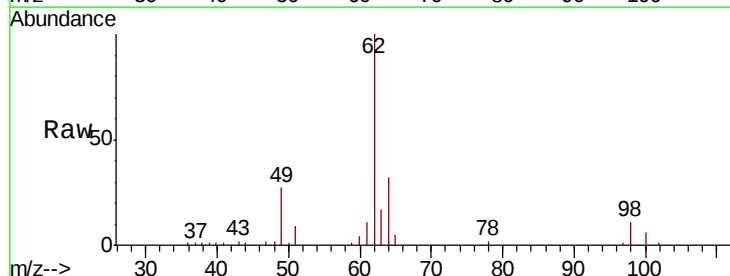
Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

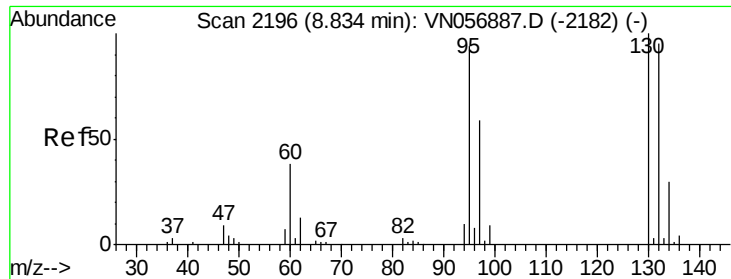
Tot Ion: 41 Resp: 43892
Ion Ratio Lower Upper
41 100
39 53.0 24.4 73.2
67 68.3 33.4 100.1
52 27.7 12.1 36.3



#36
1,2-Dichloroethane
Concen: 19.137 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 62 Resp: 123595
Ion Ratio Lower Upper
62 100
98 10.6 7.7 11.5

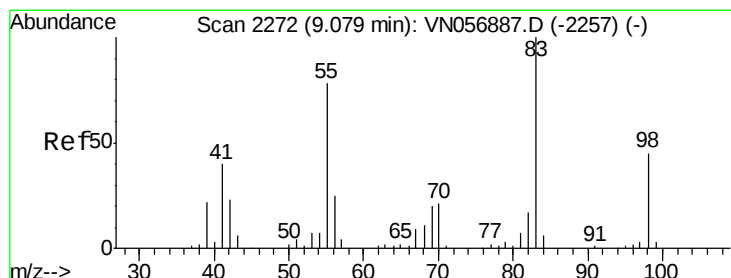
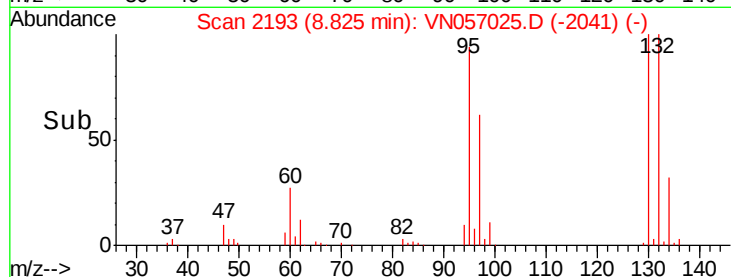
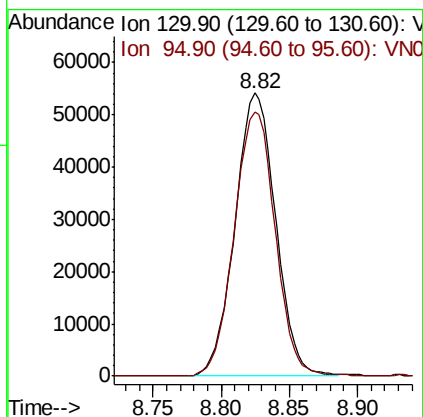
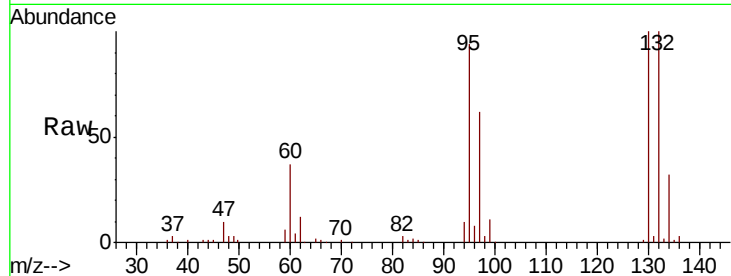




#37
 Trichloroethene
 Concen: 20.182 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

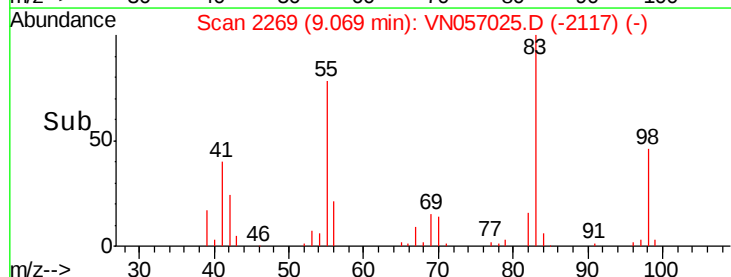
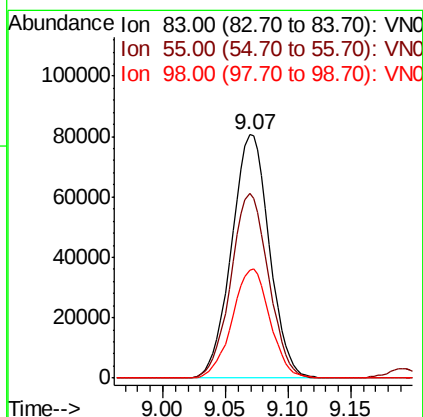
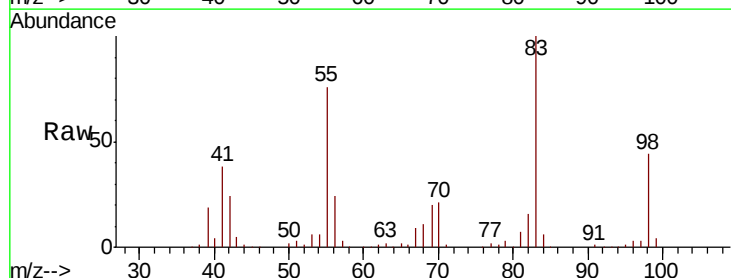
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

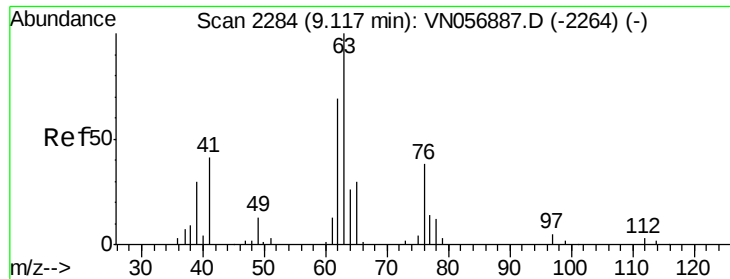
Tot Ion:130 Resp: 112405
 Ion Ratio Lower Upper
 130 100
 95 93.6 74.9 112.3



#38
 Methylcyclohexane
 Concen: 20.168 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 83 Resp: 169152
 Ion Ratio Lower Upper
 83 100
 55 75.3 38.4 115.1
 98 44.7 22.7 68.0

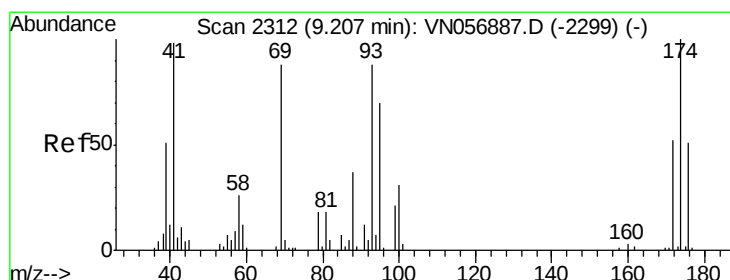
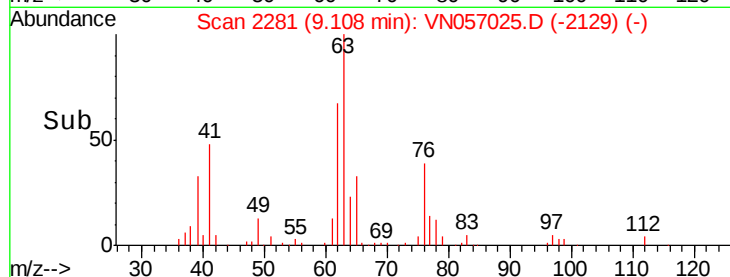
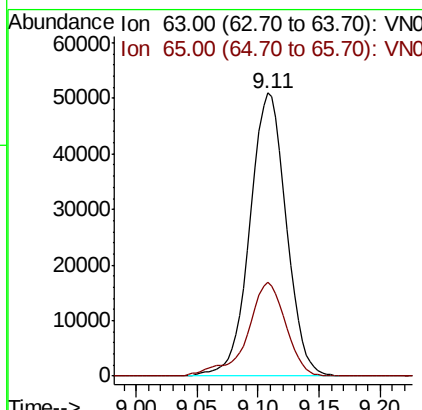
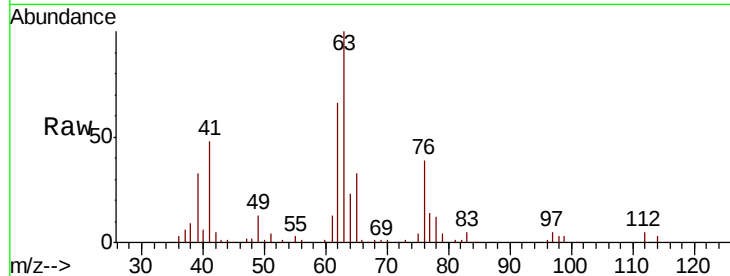




#39
 1,2-Dichloropropane
 Concen: 18.946 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

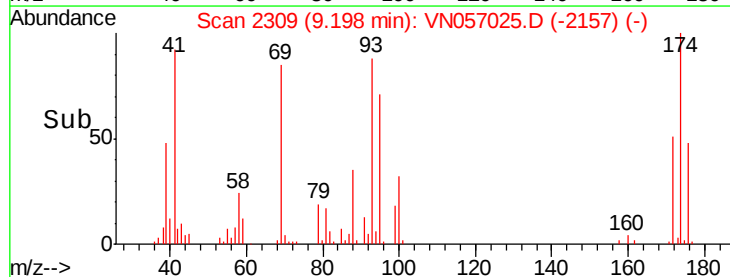
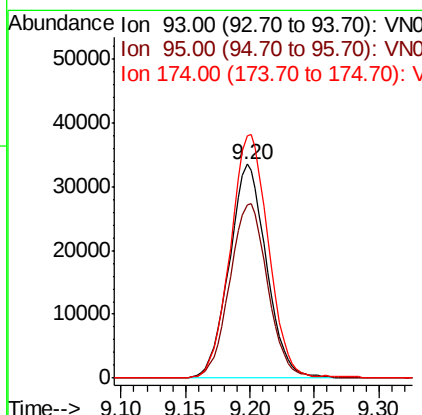
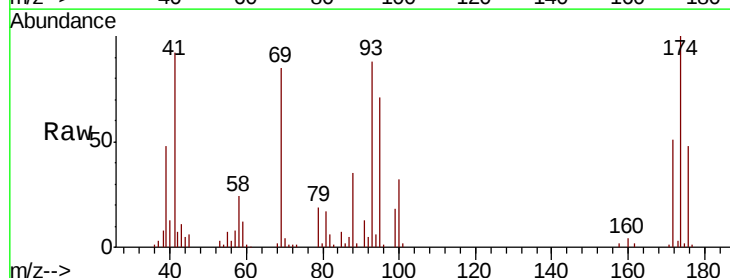
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

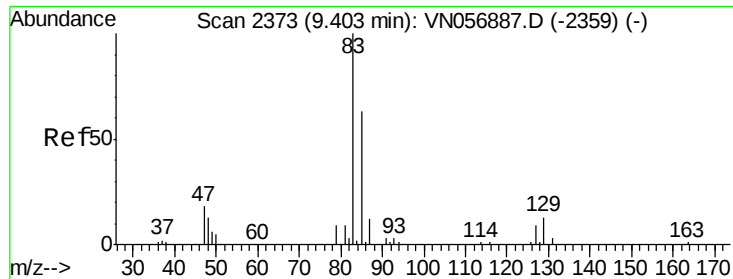
Tot Ion: 63 Resp: 105061
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.6 36.8



#40
 Dibromomethane
 Concen: 19.815 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 93 Resp: 67408
 Ion Ratio Lower Upper
 93 100
 95 82.6 0.0 165.8
 174 115.6 0.0 232.4





#41

Bromodichloromethane

Concen: 19.603 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

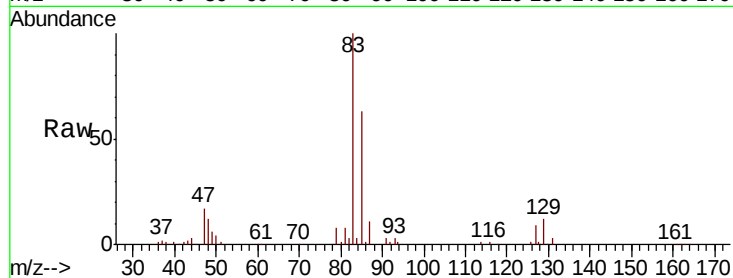
Tot Ion: 83 Resp: 128140

Ion Ratio Lower Upper

83 100

85 63.4 50.6 75.8

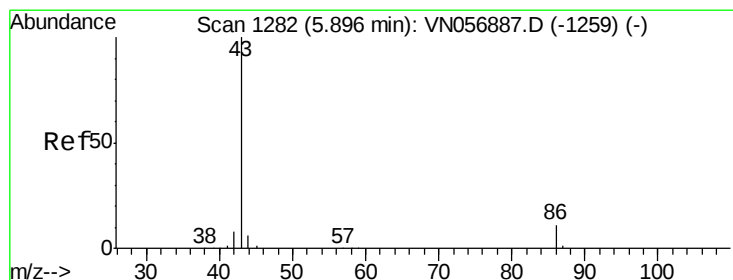
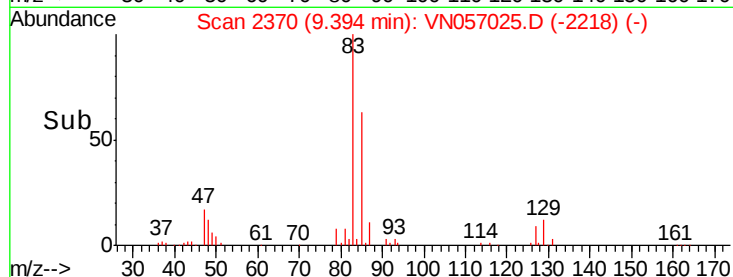
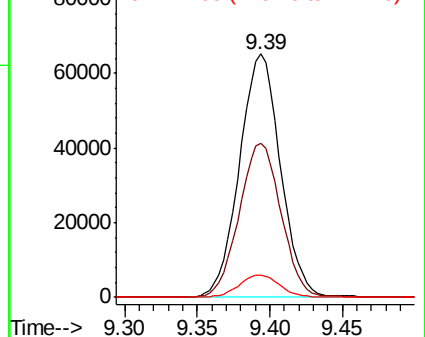
127 10.3 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 91.728 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VN057025.D

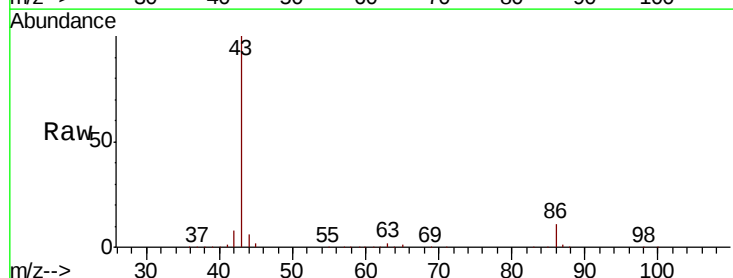
Acq: 1 Aug 2019 10:13

Tgt Ion: 43 Resp: 1082085

Ion Ratio Lower Upper

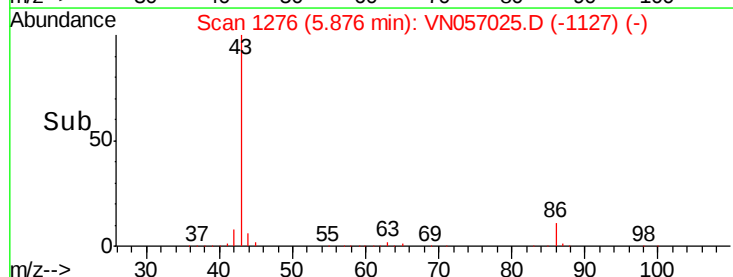
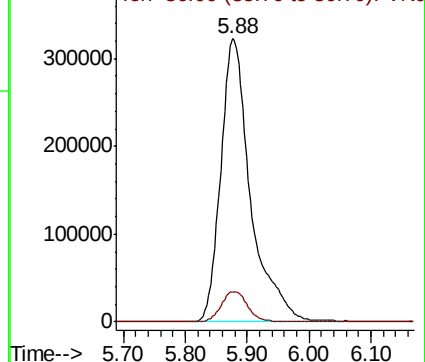
43 100

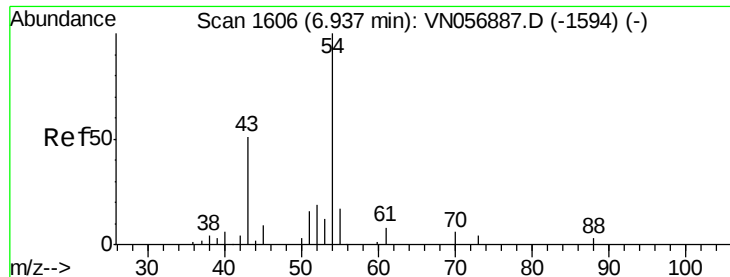
86 9.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.508 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

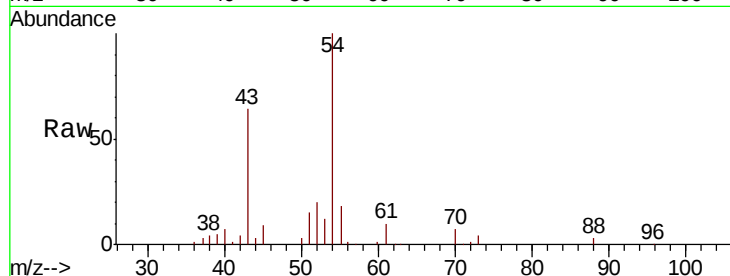
VN0801WBS01

Tot Ion: 43 Resp: 100506

Ion Ratio Lower Upper

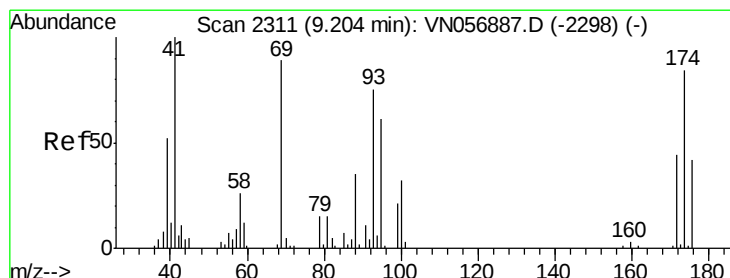
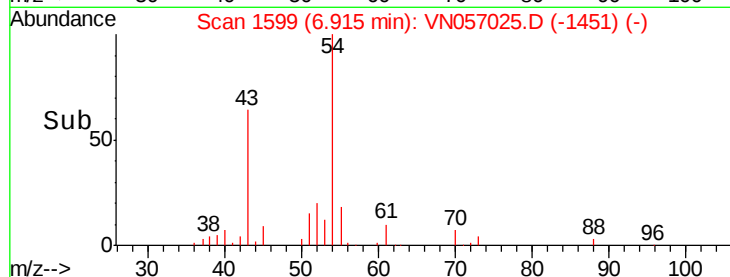
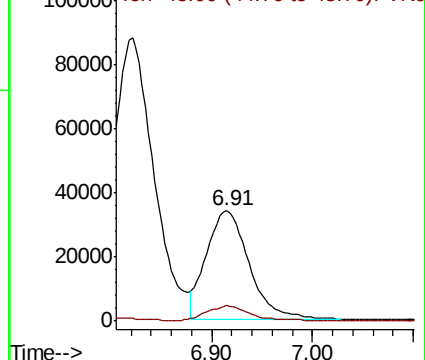
43 100

45 14.2 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#45

1,4-Dioxane

Concen: 391.874 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

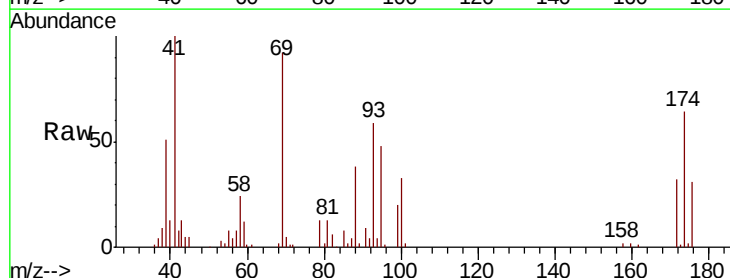
Tgt Ion: 88 Resp: 33769

Ion Ratio Lower Upper

88 100

43 26.6 23.4 35.0

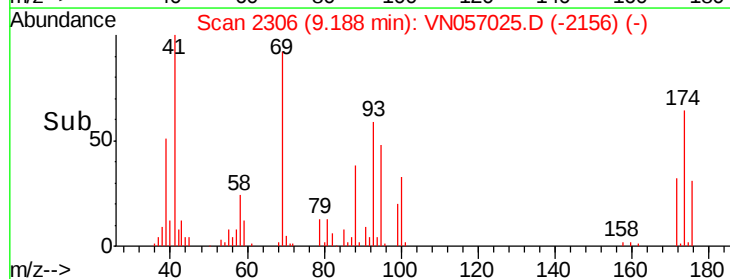
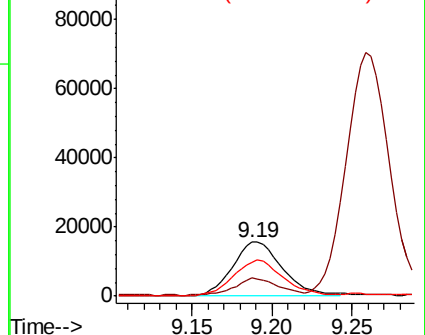
58 65.7 58.5 87.7

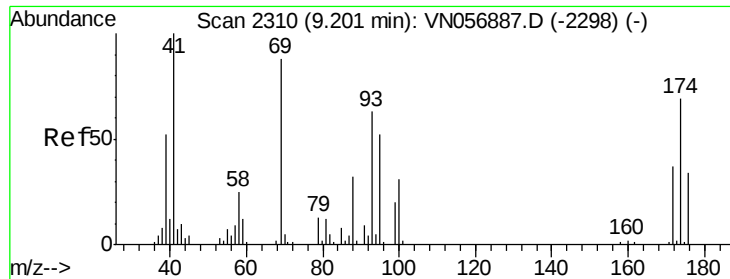


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

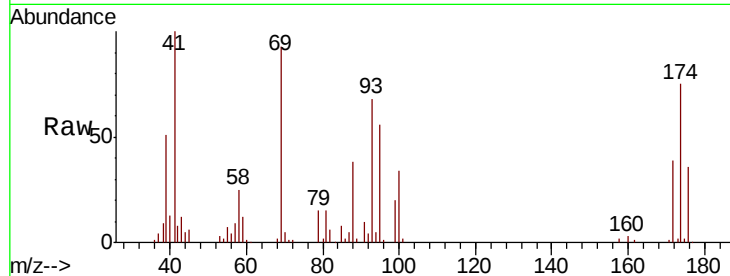




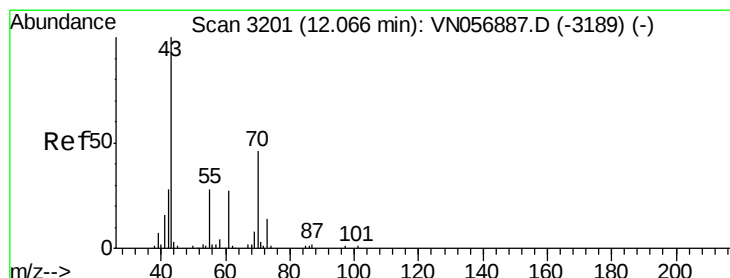
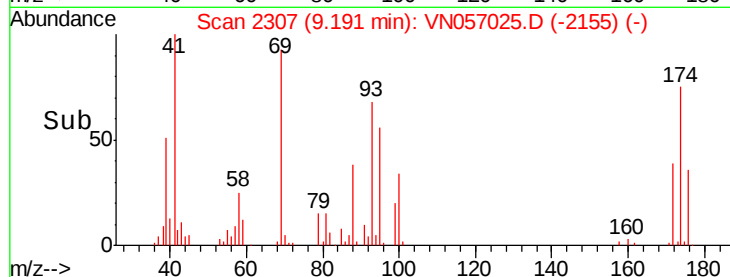
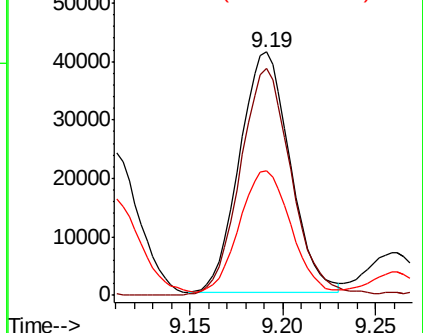
#46
Methvl methacrylate
Concen: 17.217 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion: 41 Resp: 77746
Ion Ratio Lower Upper
41 100
69 94.2 44.0 132.0
39 50.0 25.8 77.4

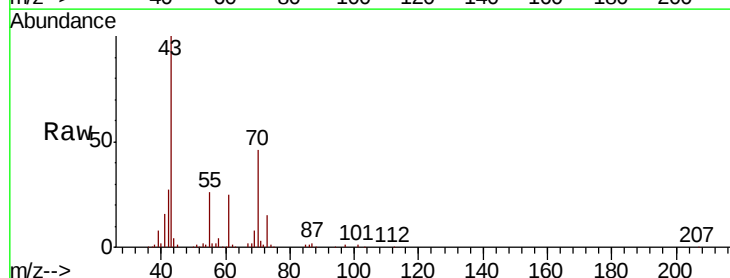


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

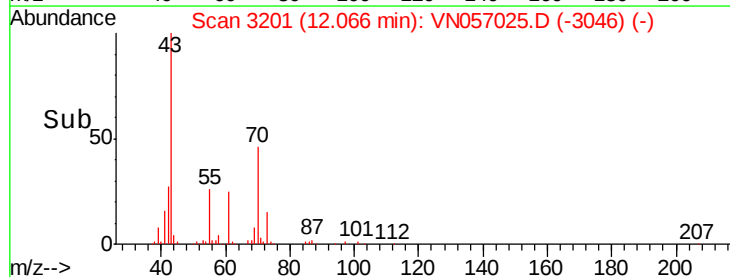
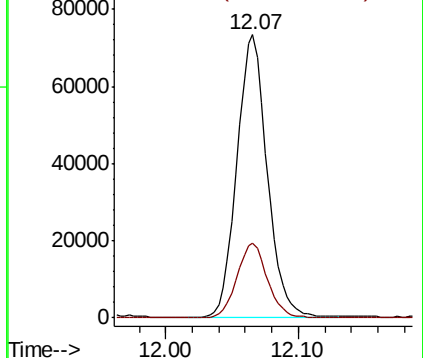


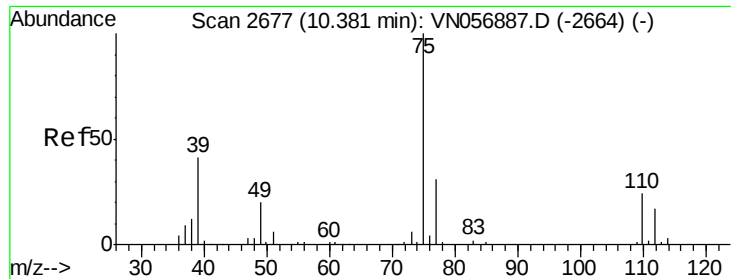
#47
n-amy1 Acetate
Concen: 15.956 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 43 Resp: 115622
Ion Ratio Lower Upper
43 100
55 26.7 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

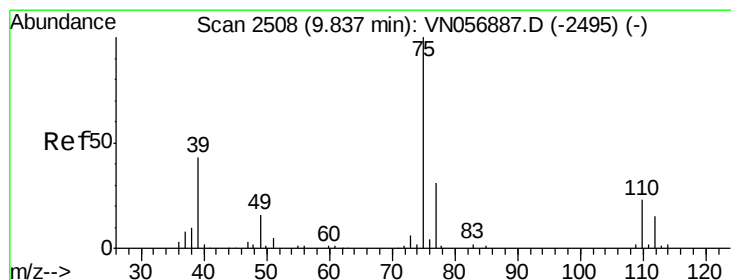
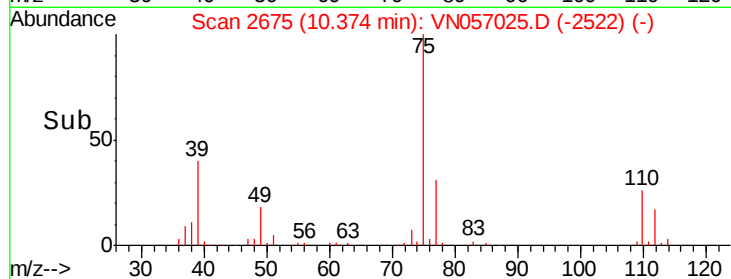
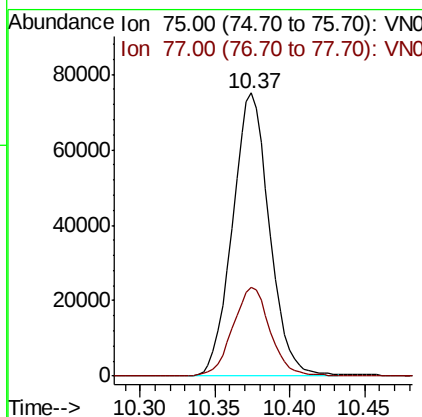
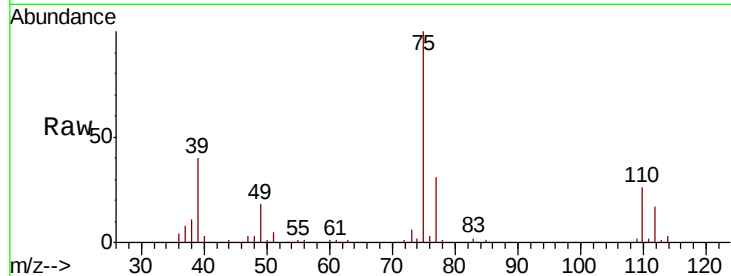




#48
t-1,3-Dichloropropene
Concen: 19.002 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

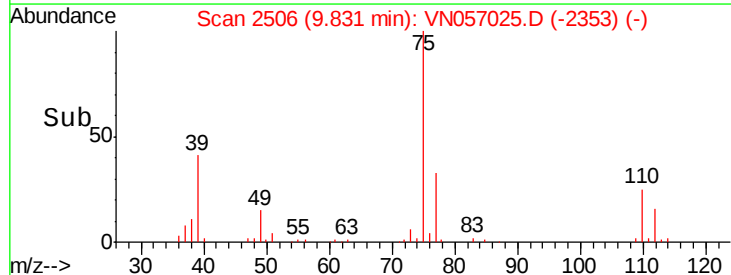
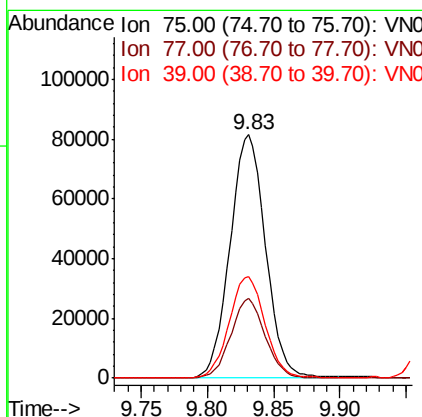
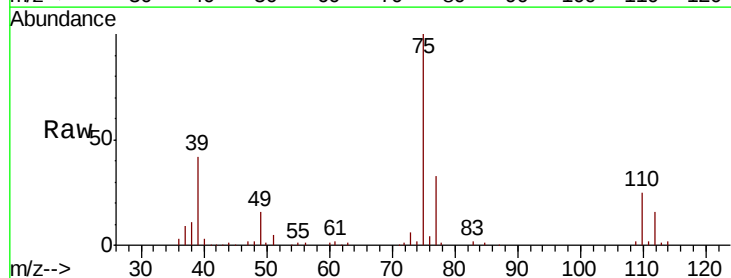
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

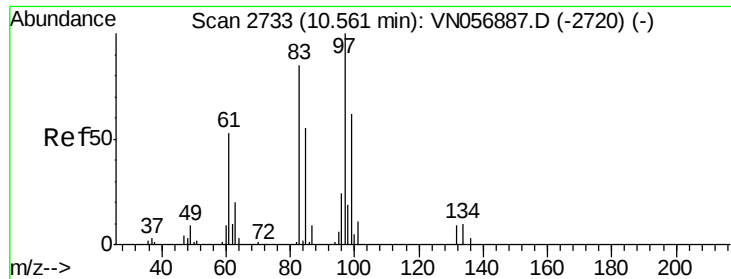
Tot Ion: 75 Resp: 129259
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0



#49
cis-1,3-Dichloropropene
Concen: 19.162 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 75 Resp: 151895
Ion Ratio Lower Upper
75 100
77 32.7 24.4 36.6
39 41.7 34.2 51.4

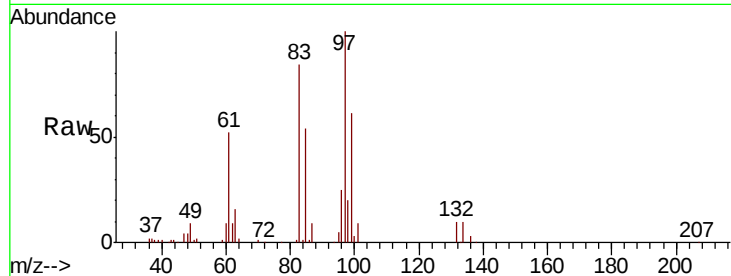




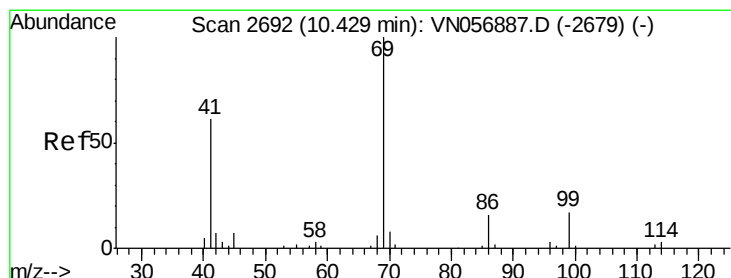
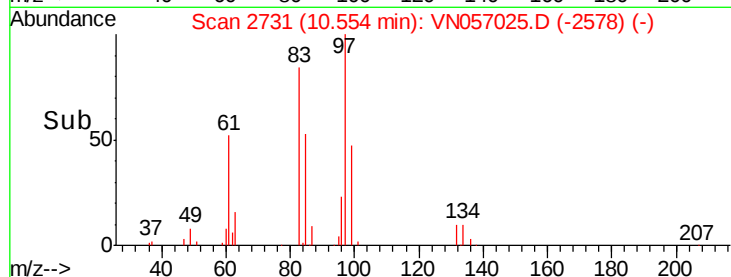
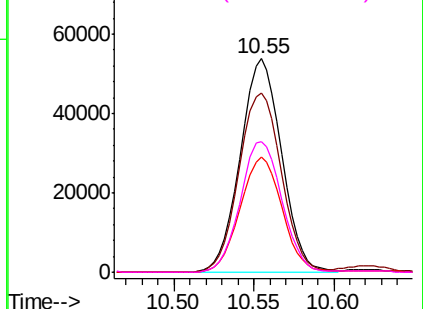
#50
 1,1,2-Trichloroethane
 Concen: 19.445 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion: 97 Resp: 94973
 Ion Ratio Lower Upper
 97 100
 83 84.0 68.4 102.6
 85 53.7 44.3 66.5
 99 61.2 49.4 74.2

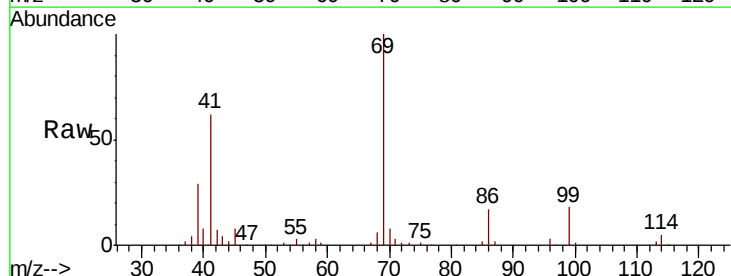


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

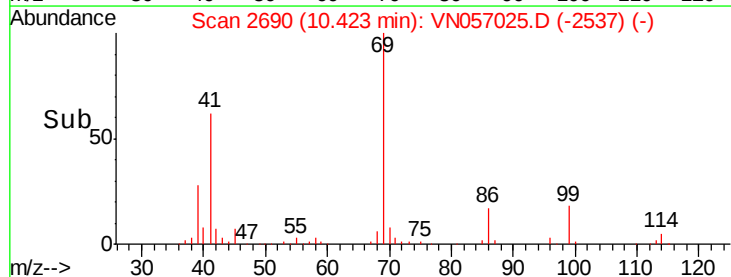
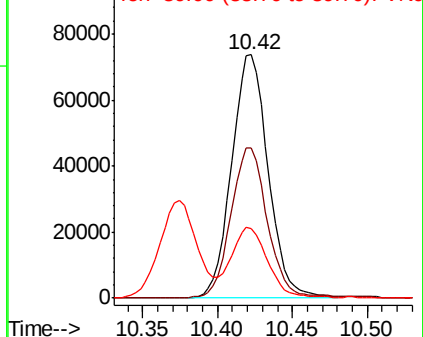


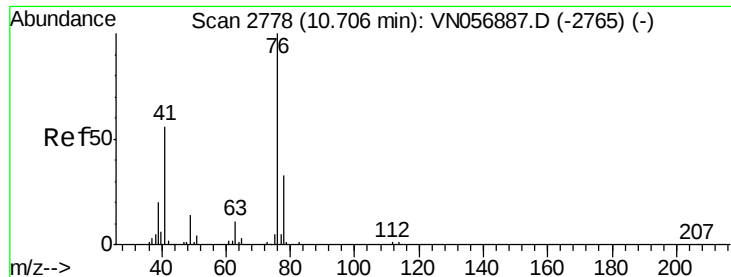
#51
 Ethyl methacrylate
 Concen: 17.808 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 69 Resp: 125808
 Ion Ratio Lower Upper
 69 100
 41 61.2 30.4 91.3
 39 28.1 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: 19.359 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

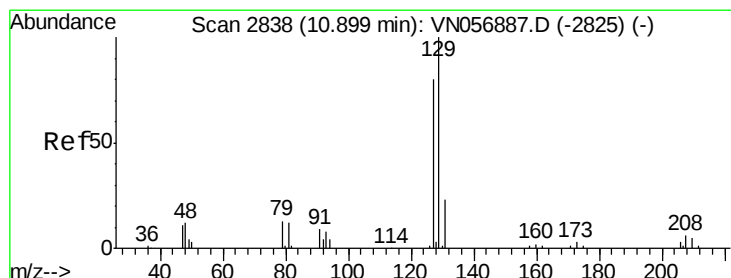
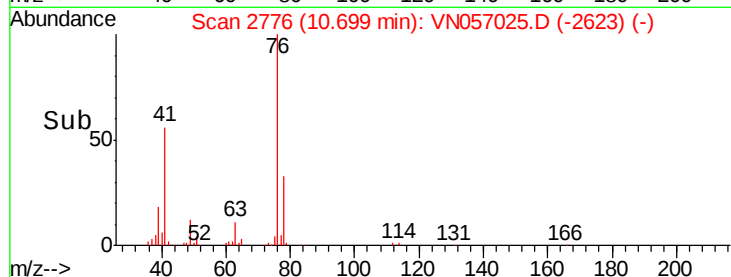
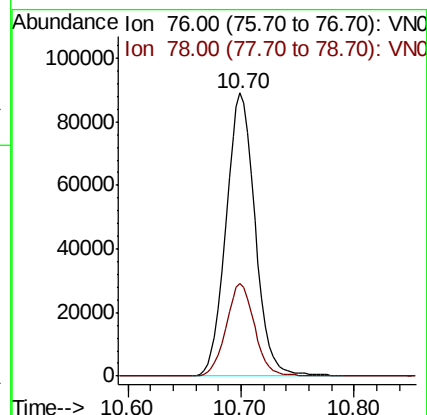
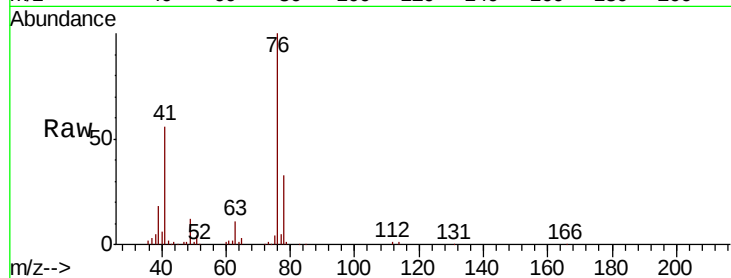
VN0801WBS01

Tot Ion: 76 Resp: 159575

Ion Ratio Lower Upper

76 100

78 31.7 0.0 64.2



#53

Dibromochloromethane

Concen: 19.239 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN057025.D

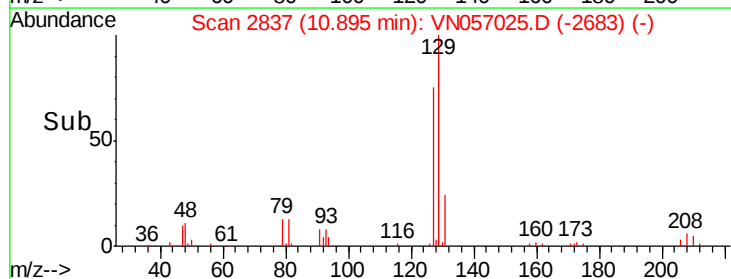
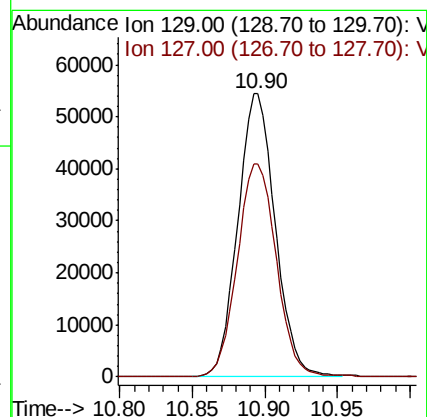
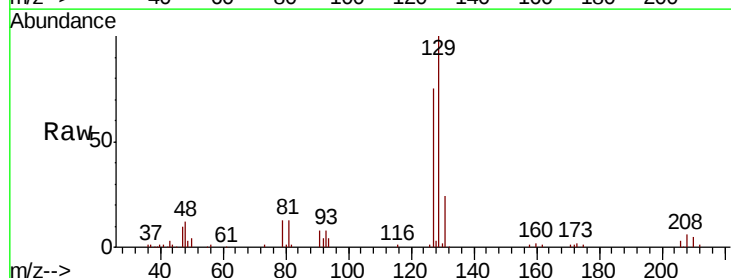
Acq: 1 Aug 2019 10:13

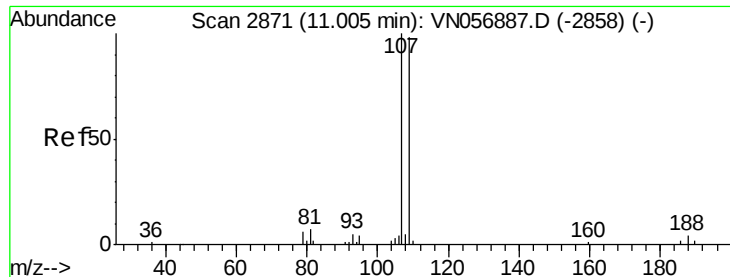
Tgt Ion: 129 Resp: 97675

Ion Ratio Lower Upper

129 100

127 78.2 38.8 116.4

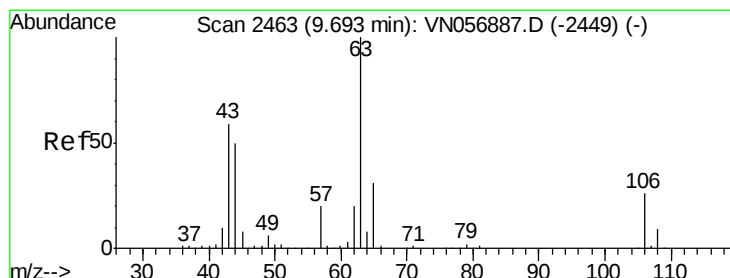
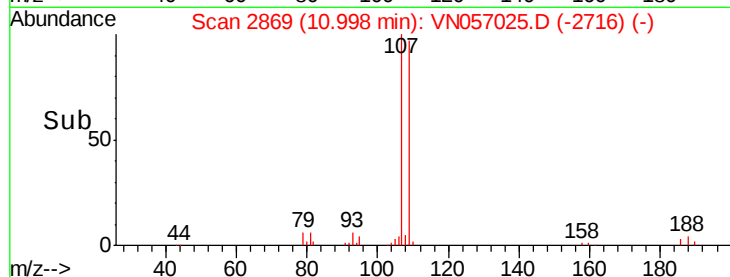
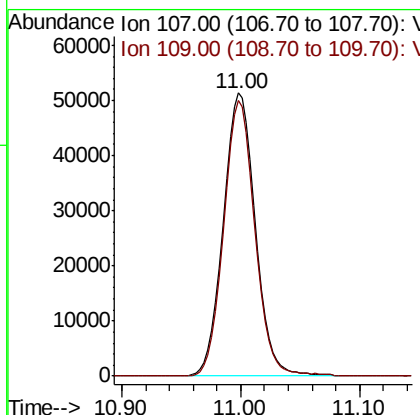
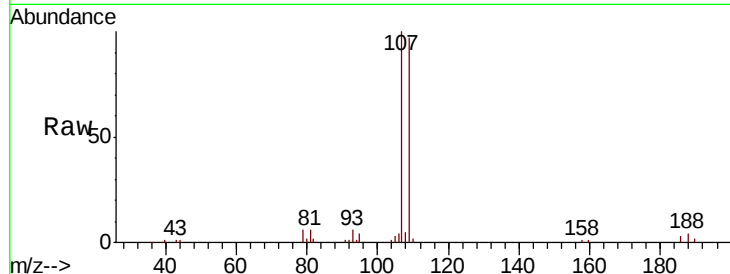




#54
 1,2-Dibromoethane
 Concen: 19.215 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

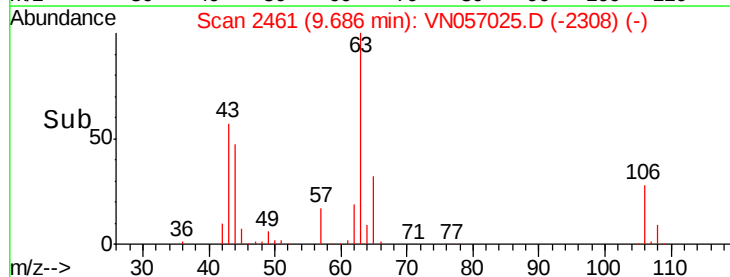
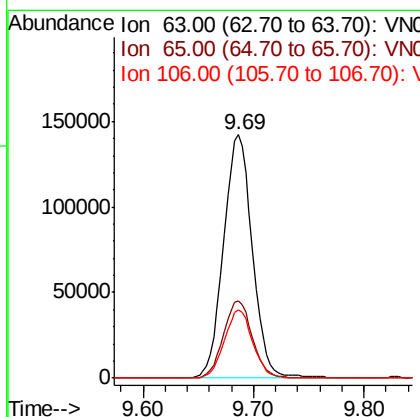
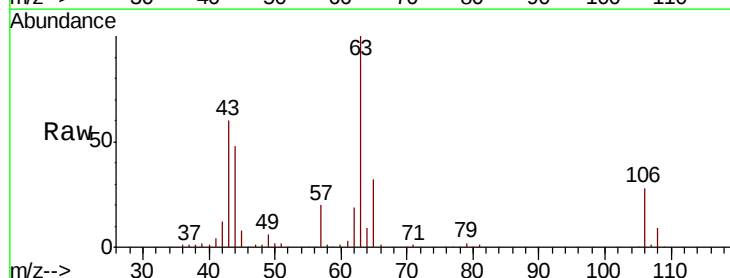
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

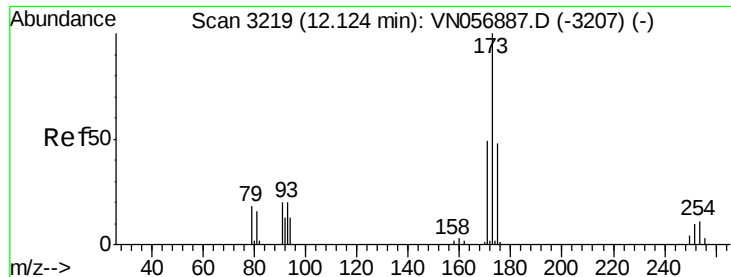
Tot Ion:107 Resp: 95743
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.2 114.2



#55
 2-Chloroethyl vinyl ether
 Concen: 84.098 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 63 Resp: 257307
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.1 37.7
 106 27.7 21.5 32.3

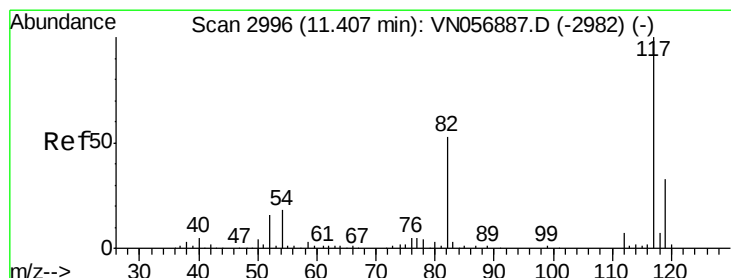
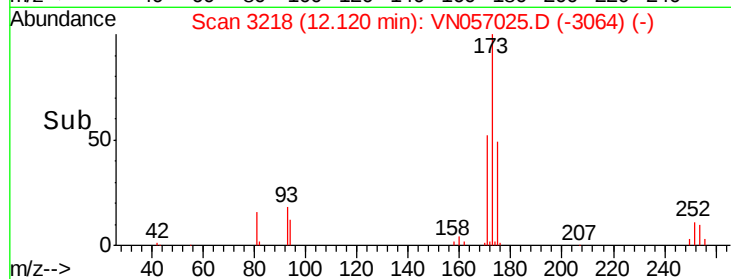
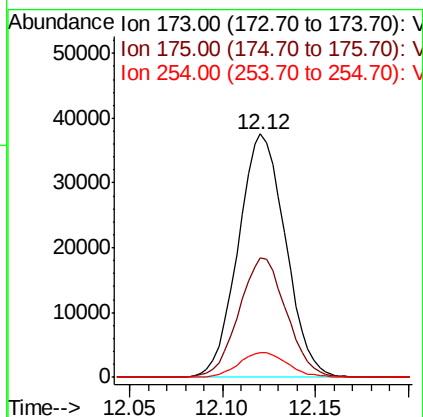
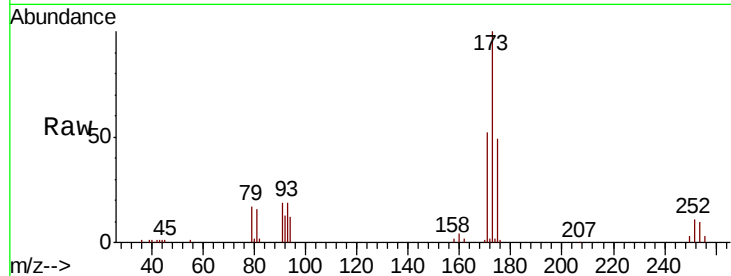




#56
Bromoform
Concen: 18.945 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

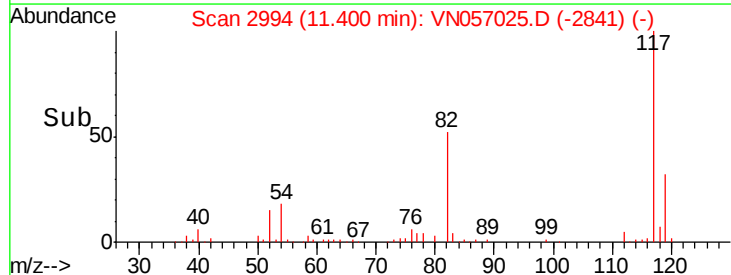
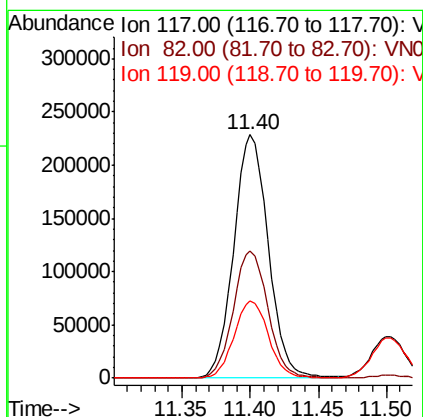
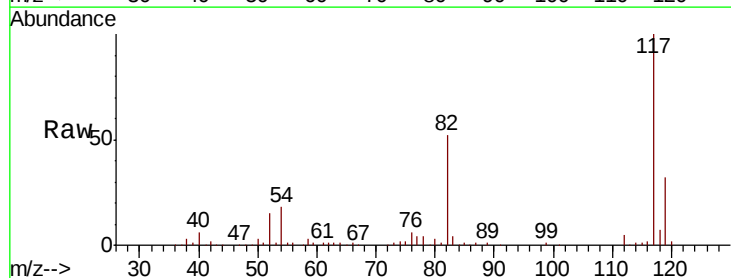
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

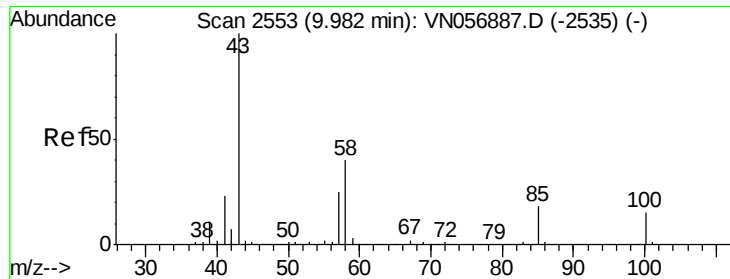
Tot Ion:173 Resp: 66546
Ion Ratio Lower Upper
173 100
175 49.2 38.8 58.2
254 10.4 8.1 12.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion:117 Resp: 402232
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 31.7 26.2 39.2

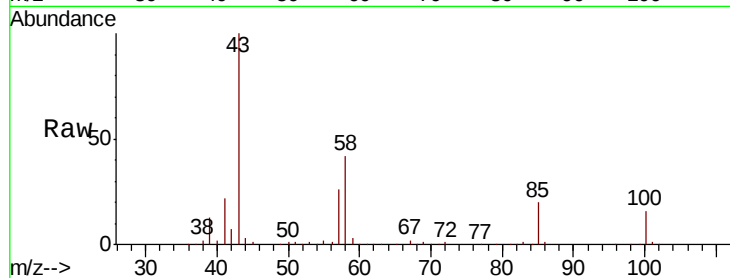




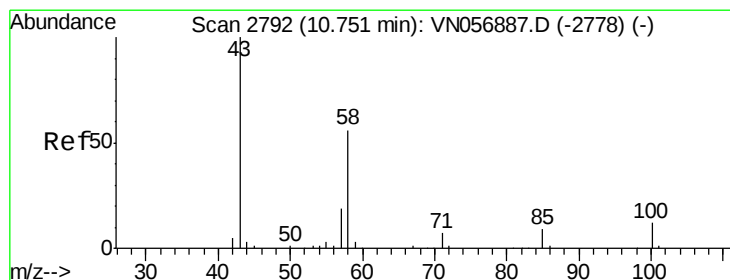
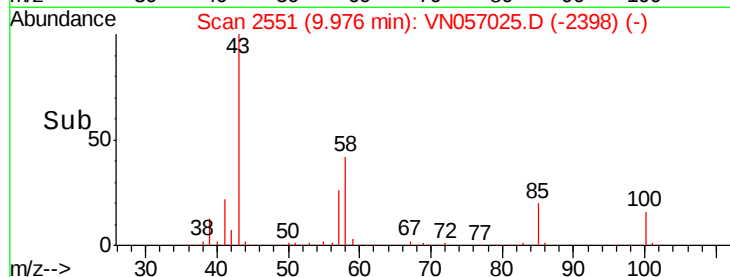
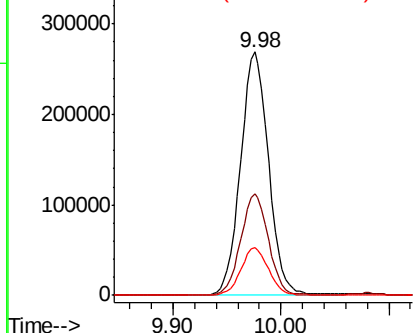
#58
4-Methyl-2-Pentanone
Concen: 90.083 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion: 43 Resp: 486248
Ion Ratio Lower Upper
43 100
58 41.3 31.7 47.5
85 19.4 14.5 21.7

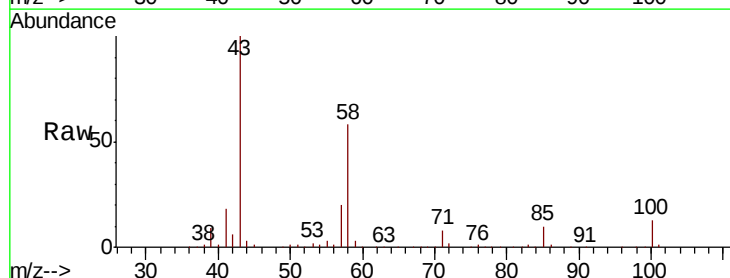


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

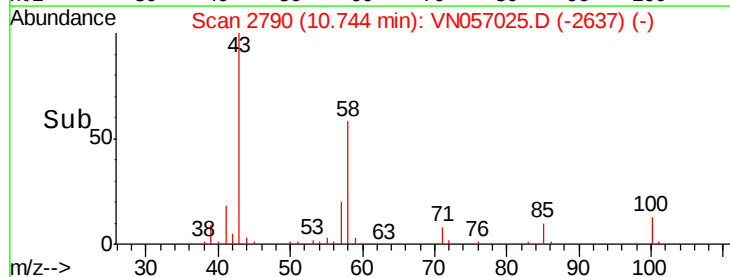
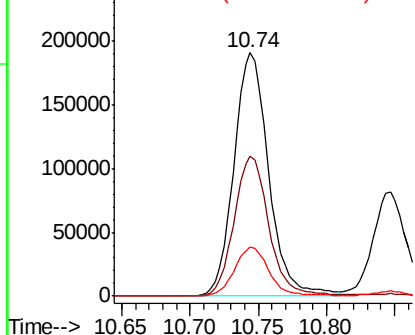


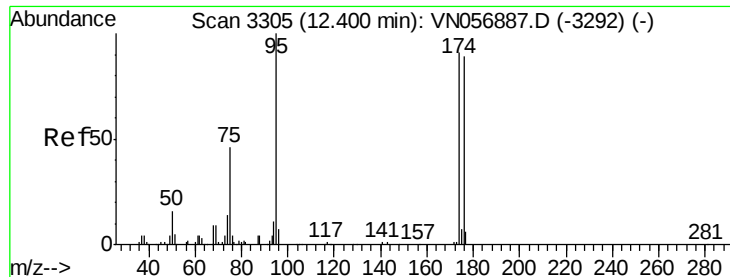
#59
2-Hexanone
Concen: 91.691 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 43 Resp: 337253
Ion Ratio Lower Upper
43 100
58 57.8 45.0 67.4
57 20.3 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: 28.446 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

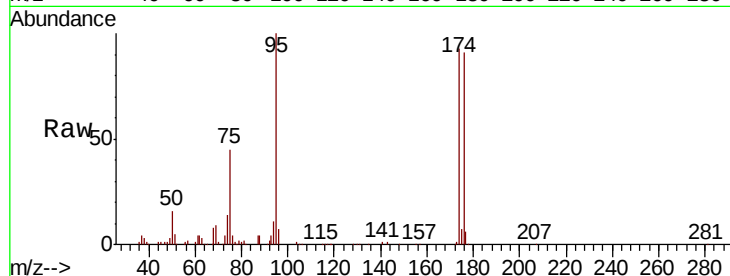
Tot Ion: 95 Resp: 171488

Ion Ratio Lower Upper

95 100

174 92.6 71.9 107.9

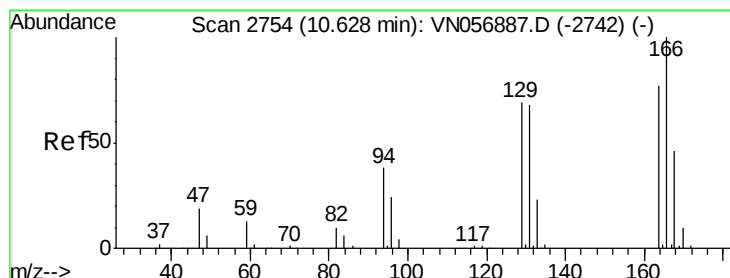
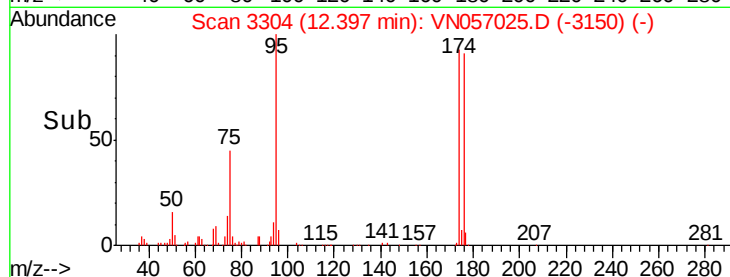
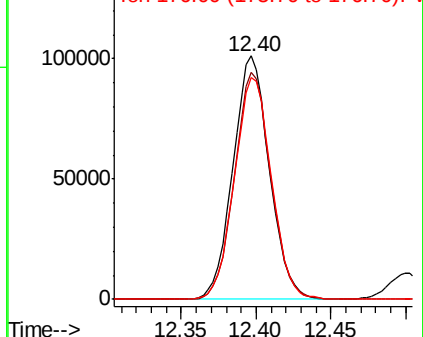
176 92.4 69.8 104.8



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: 21.486 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion: 164 Resp: 121120

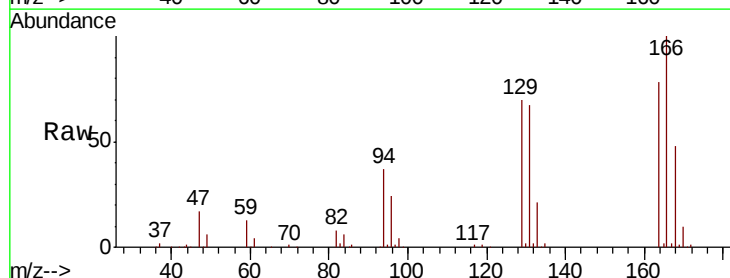
Ion Ratio Lower Upper

164 100

166 128.0 103.9 155.9

129 90.1 72.4 108.6

131 86.3 70.3 105.5

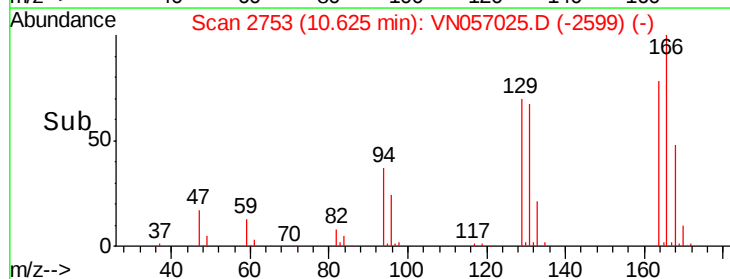
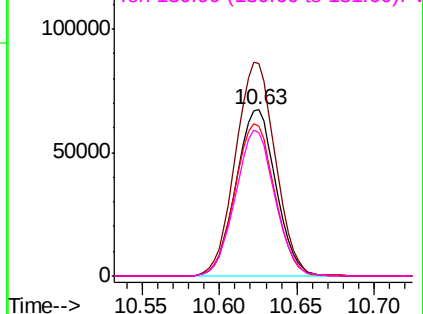


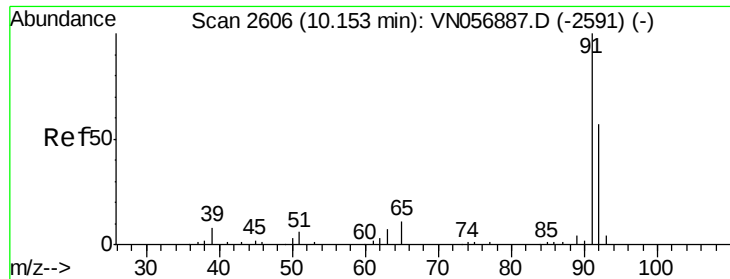
Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.702 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

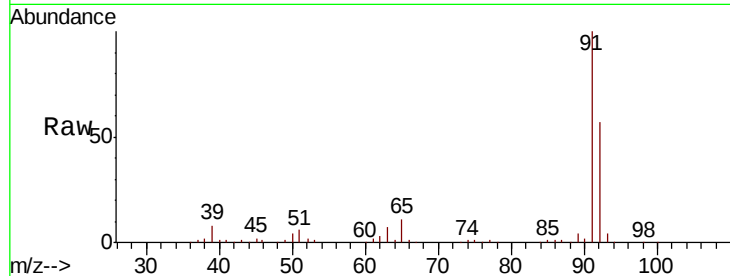
VN0801WBS01

Tot Ion: 91 Resp: 431000

Ion Ratio Lower Upper

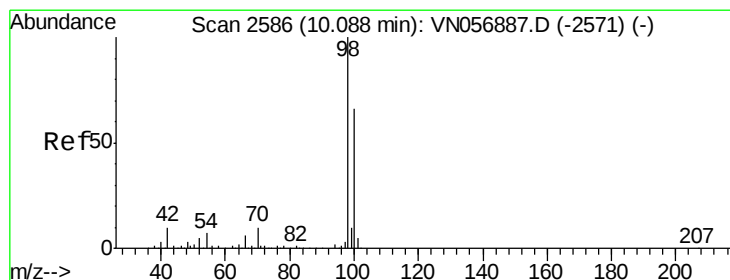
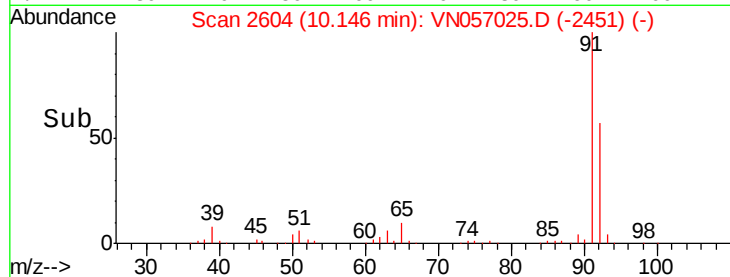
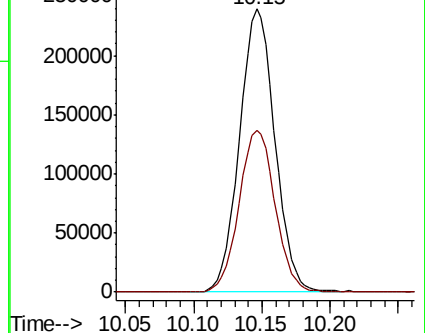
91 100

92 58.3 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: 30.361 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057025.D

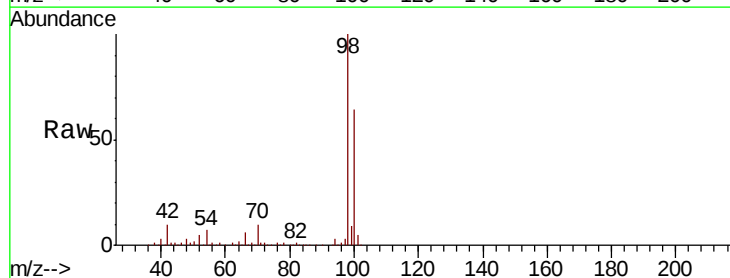
Acq: 1 Aug 2019 10:13

Tgt Ion: 98 Resp: 576868

Ion Ratio Lower Upper

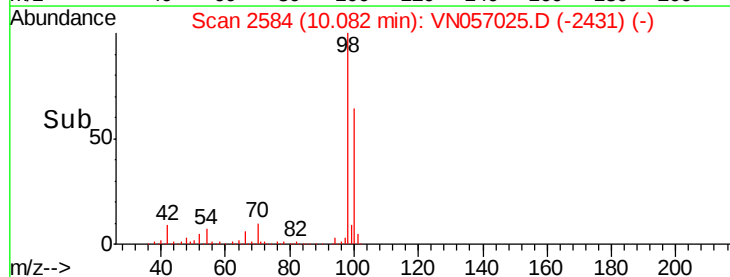
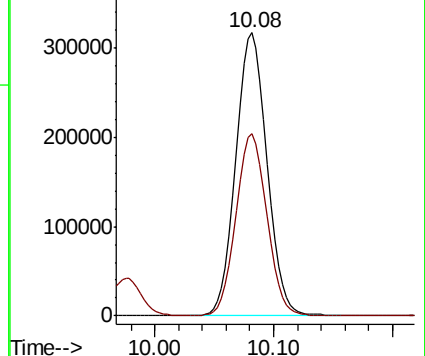
98 100

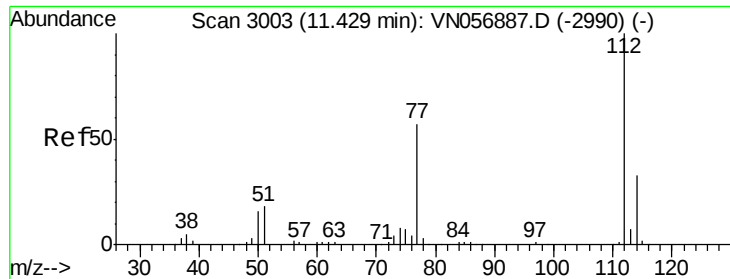
100 63.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

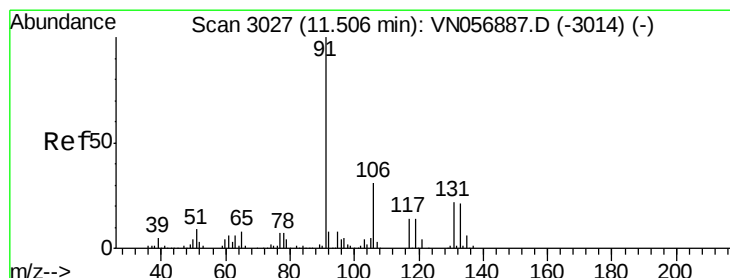
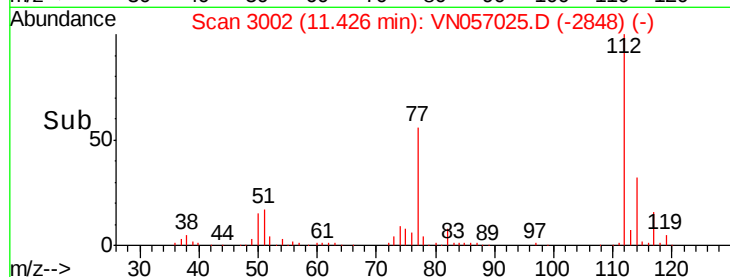
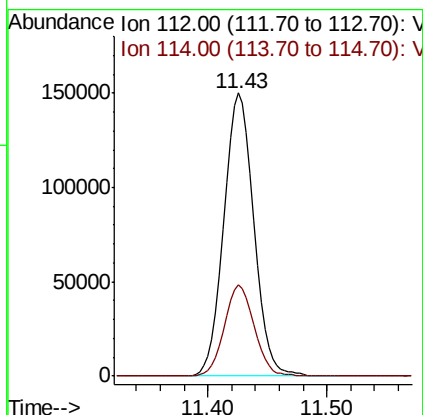
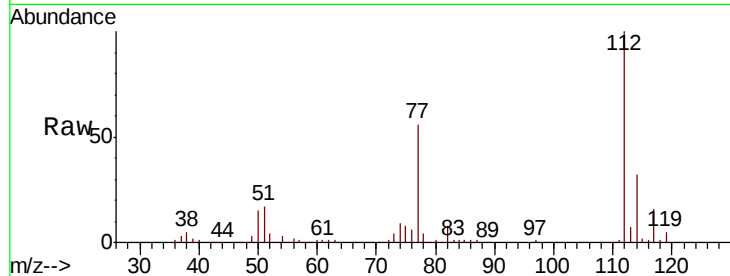




#64
Chlorobenzene
Concen: 19.911 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

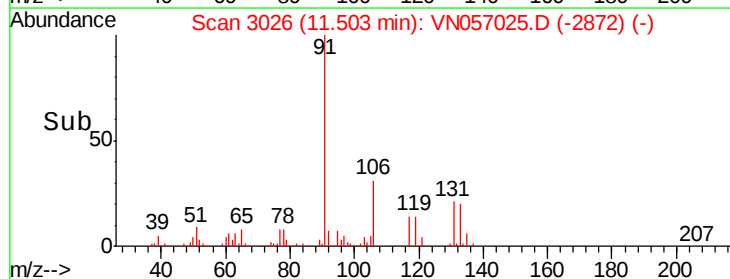
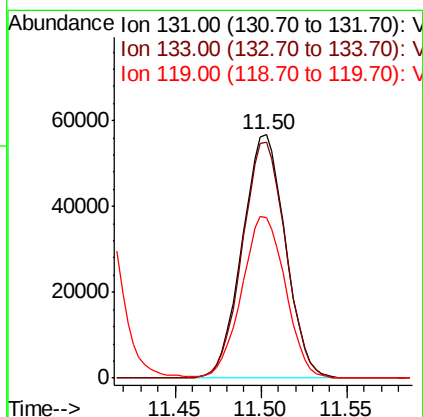
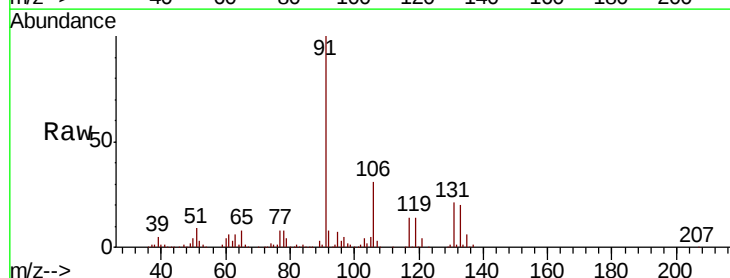
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

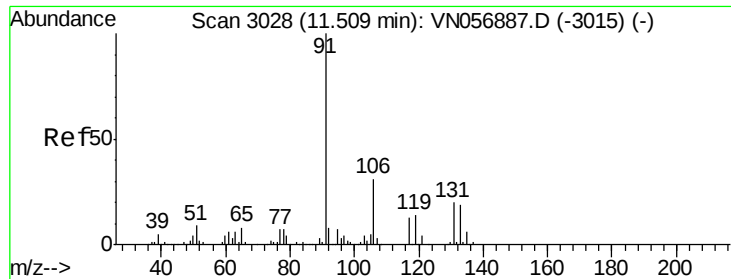
Tot Ion:112 Resp: 262368
Ion Ratio Lower Upper
112 100
114 32.1 26.7 40.1



#65
1,1,1,2-Tetrachloroethane
Concen: 19.829 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion:131 Resp: 98968
Ion Ratio Lower Upper
131 100
133 97.2 0.0 189.6
119 67.0 0.0 133.6





#66

Ethyl Benzene

Concen: 19.766 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

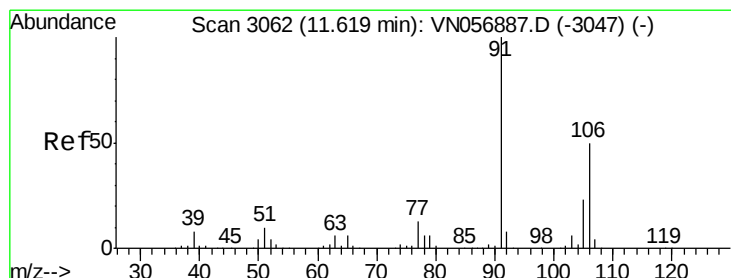
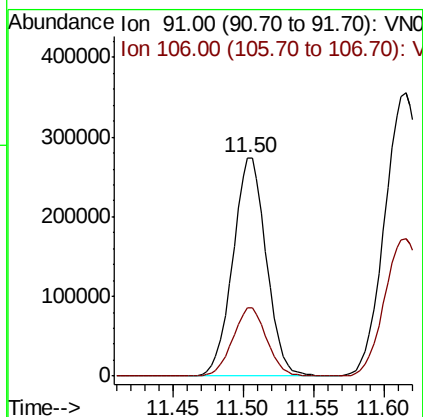
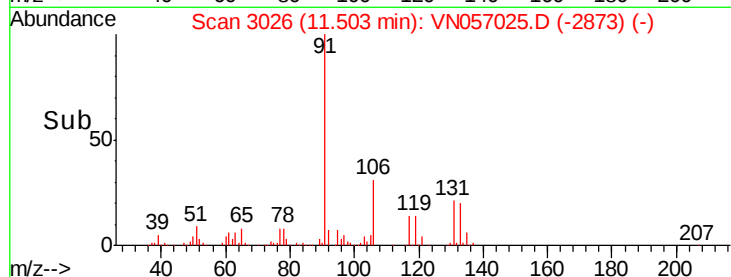
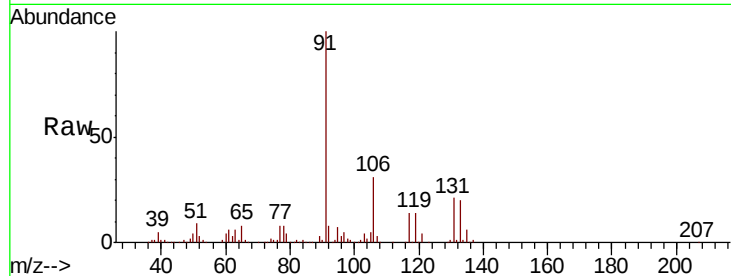
VN0801WBS01

Tot Ion: 91 Resp: 455656

Ion Ratio Lower Upper

91 100

106 31.3 24.9 37.3



#67

m/p-Xylenes

Concen: 39.800 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN057025.D

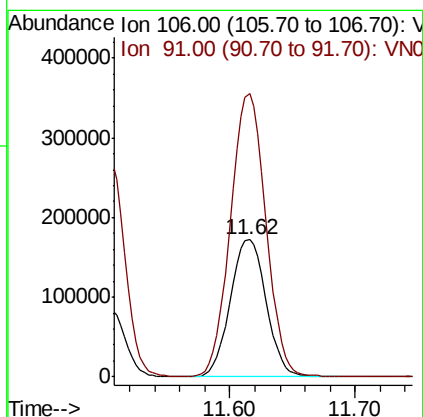
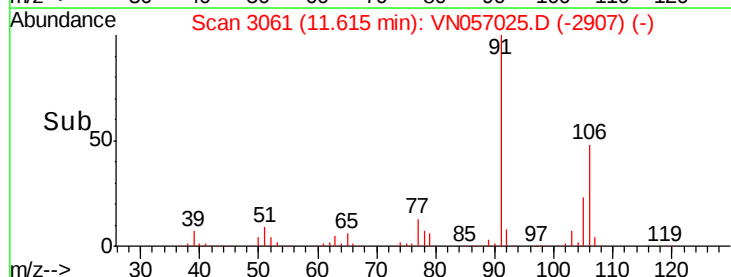
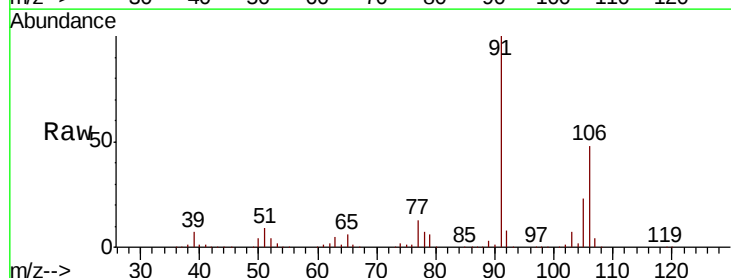
Acq: 1 Aug 2019 10:13

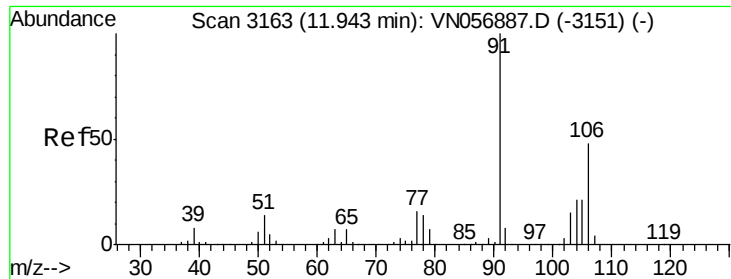
Tgt Ion: 106 Resp: 342130

Ion Ratio Lower Upper

106 100

91 203.7 160.6 240.8

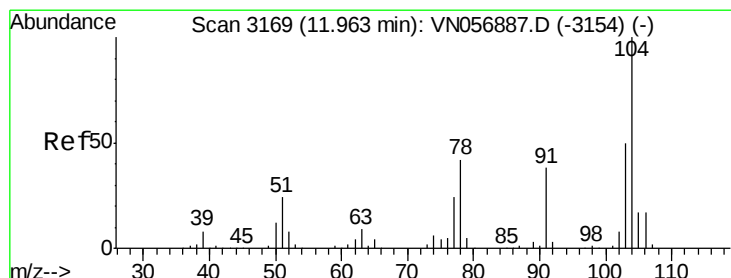
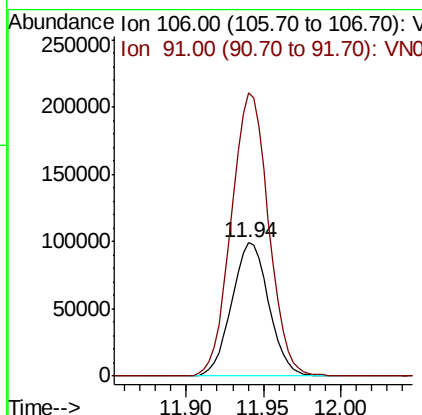
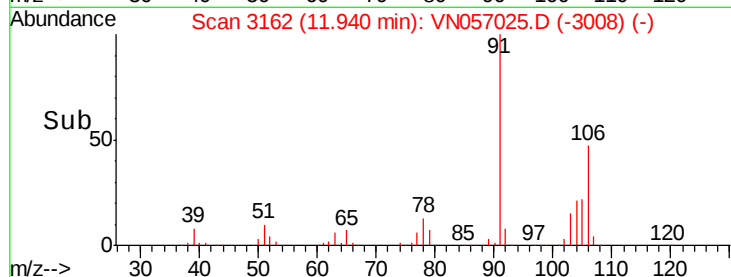
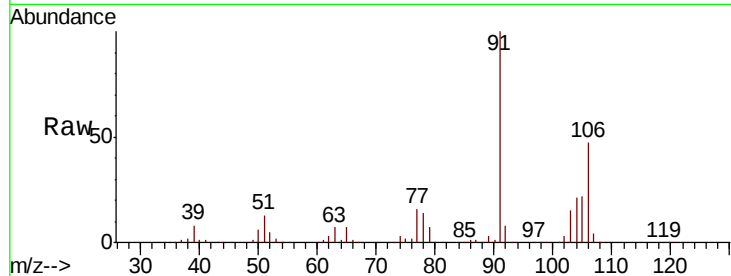




#68
o-Xylene
Concen: 19.544 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

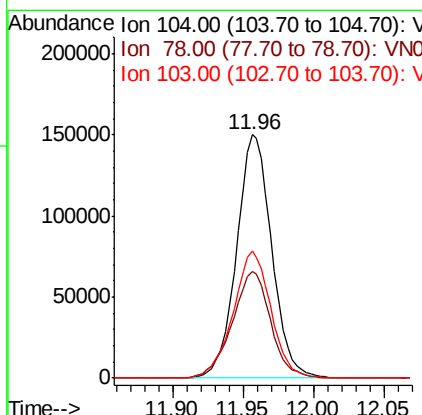
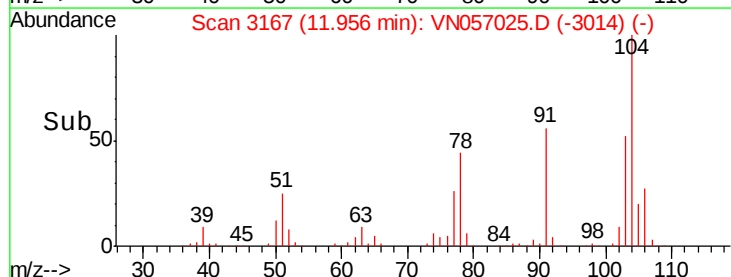
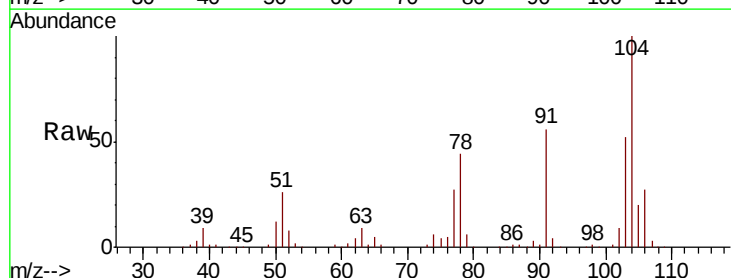
Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

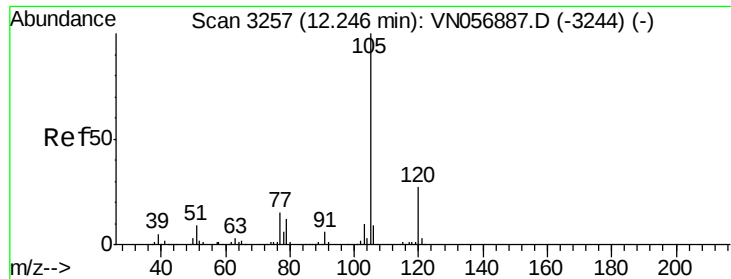
Tot Ion:106 Resp: 165179
Ion Ratio Lower Upper
106 100
91 213.4 106.2 318.6



#69
Styrene
Concen: 19.143 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion:104 Resp: 262180
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 56.0 44.7 67.1





#70

Isopropylbenzene

Concen: 20.023 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

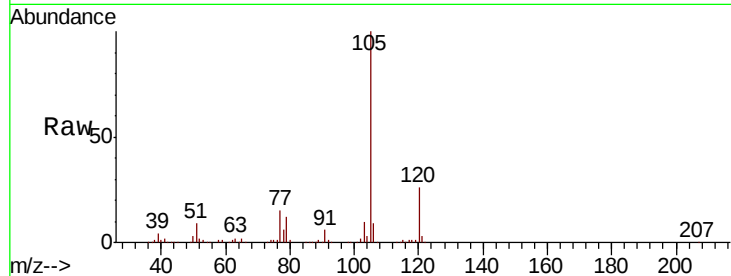
VN0801WBS01

Tot Ion:105 Resp: 445592

Ion Ratio Lower Upper

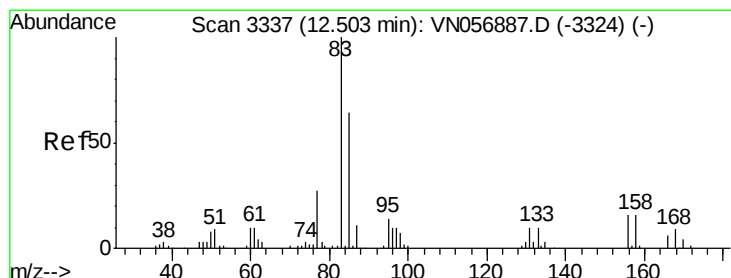
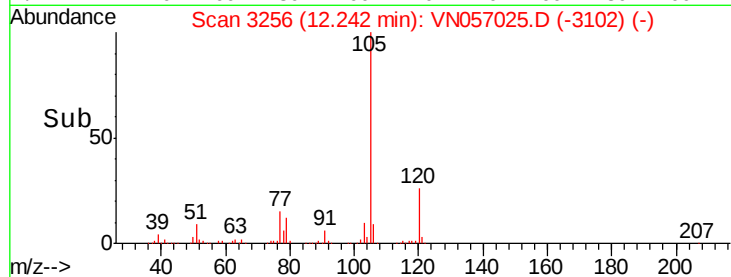
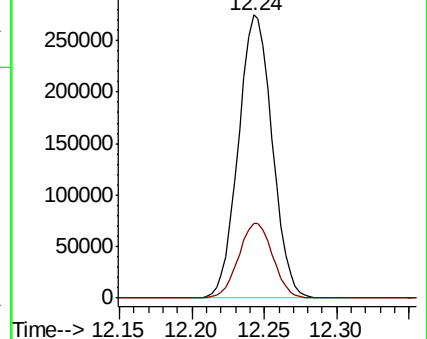
105 100

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: 18.869 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

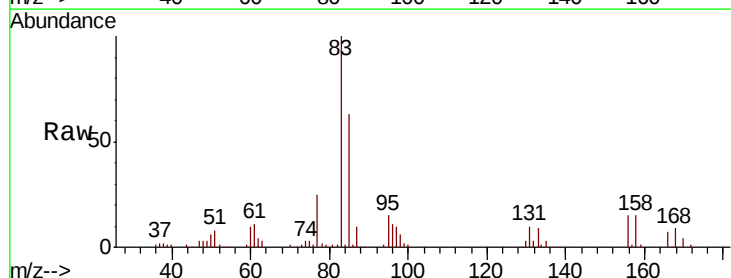
Tgt Ion: 83 Resp: 117609

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.2

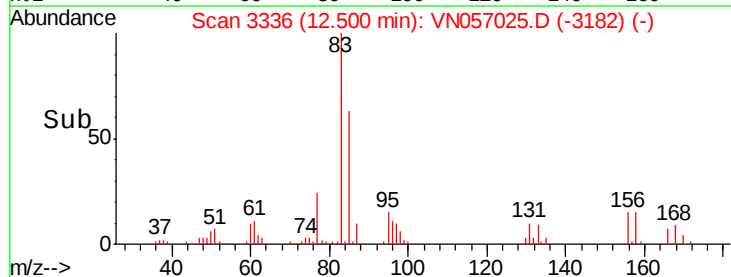
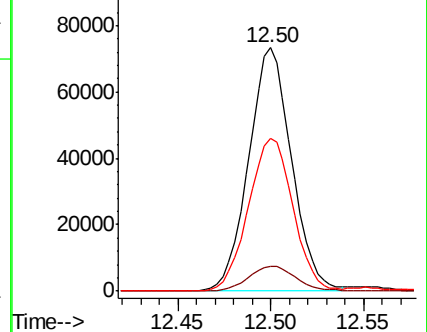
85 65.1 31.8 95.4

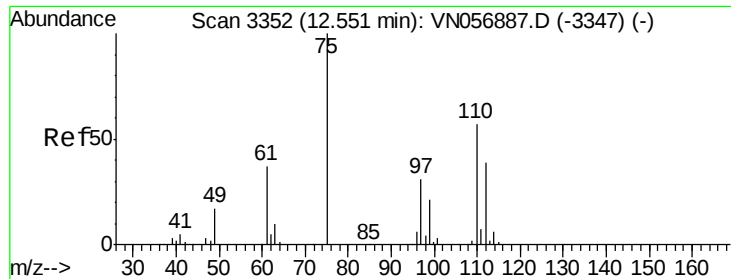


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 25.469 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

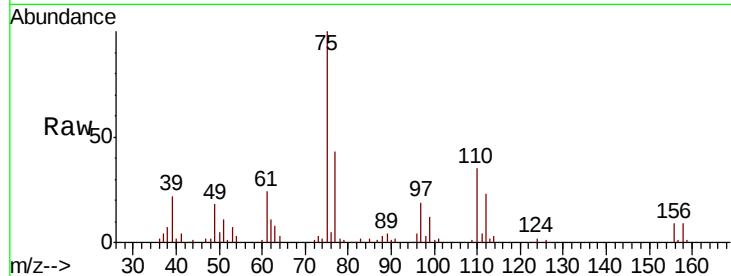
VN0801WBS01

Tot Ion: 75 Resp: 139676

Ion Ratio Lower Upper

75 100

77 143.7 0.0 378.6



Abundance Ion 75.00 (74.70 to 75.70): VN056887.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN056887.D (-3347) (-)

100000

80000

60000

40000

20000

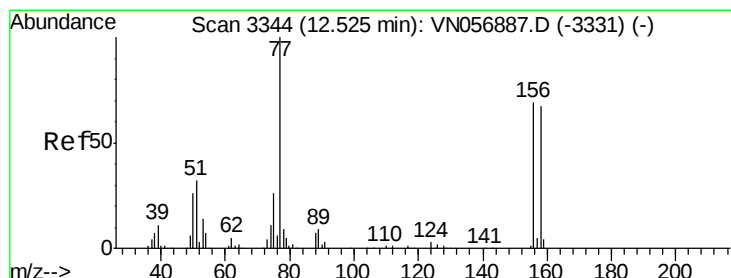
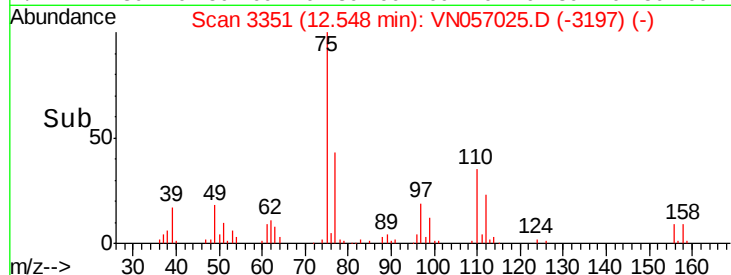
0

12.50

12.55

12.60

Time-->



#73

Bromobenzene

Concen: 19.650 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

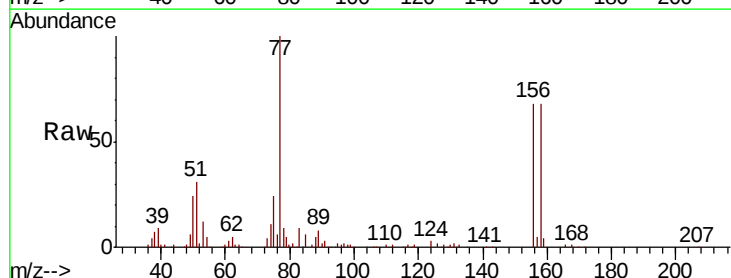
Tgt Ion: 156 Resp: 112838

Ion Ratio Lower Upper

156 100

77 177.8 0.0 364.6

158 98.7 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): VN056887.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN056887.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN056887.D (-3331) (-)

120000

100000

80000

60000

40000

20000

0

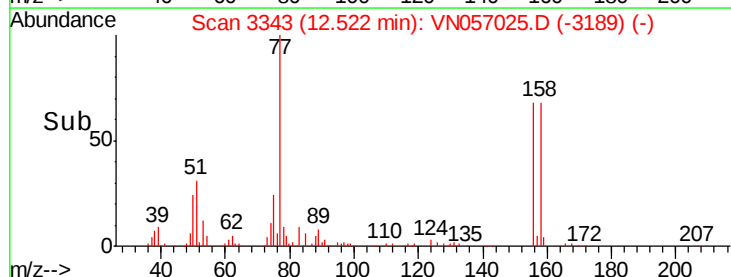
12.45

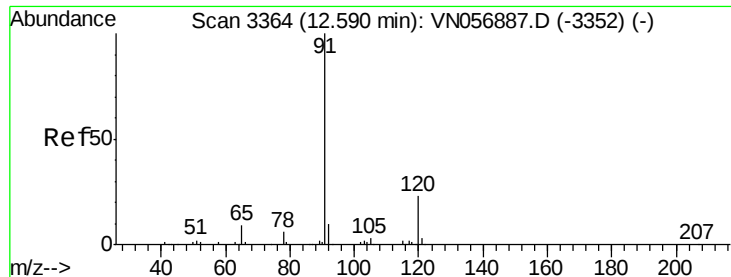
12.50

12.55

12.60

Time-->





#74

n-propylbenzene

Concen: 19.546 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

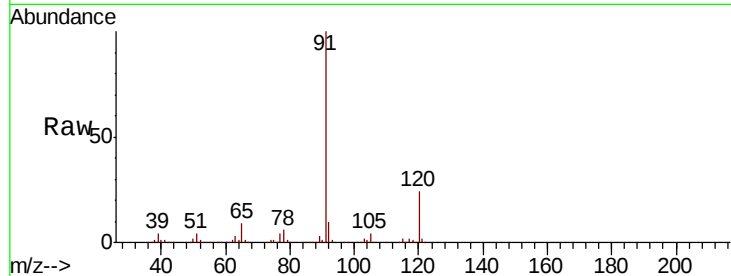
VN0801WBS01

Tot Ion: 91 Resp: 475614

Ion Ratio Lower Upper

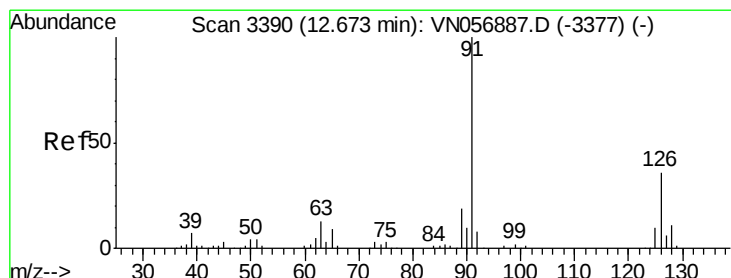
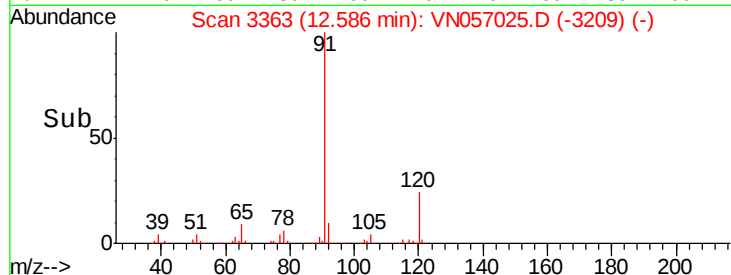
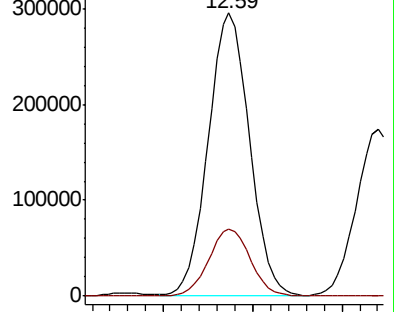
91 100

120 23.8 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: 19.584 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057025.D

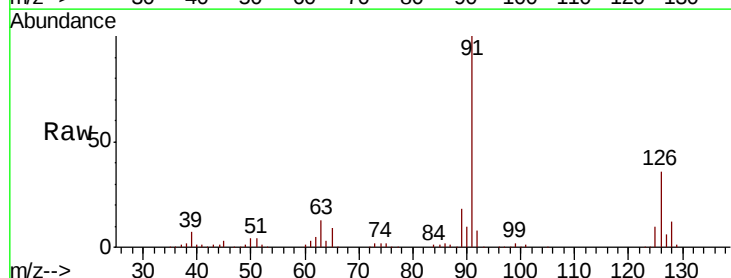
Acq: 1 Aug 2019 10:13

Tgt Ion: 91 Resp: 288906

Ion Ratio Lower Upper

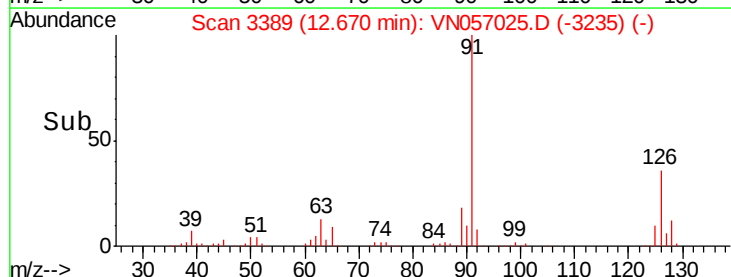
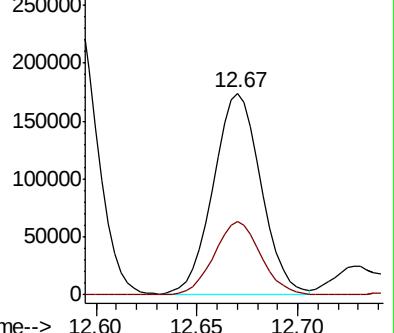
91 100

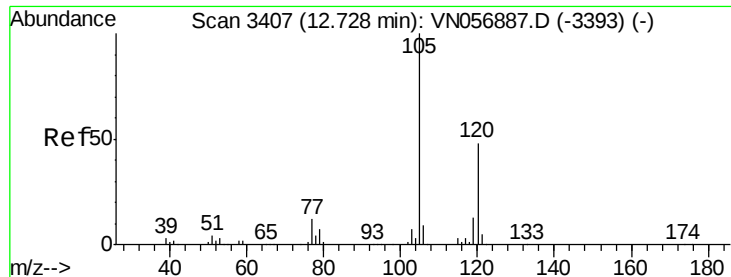
126 35.6 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

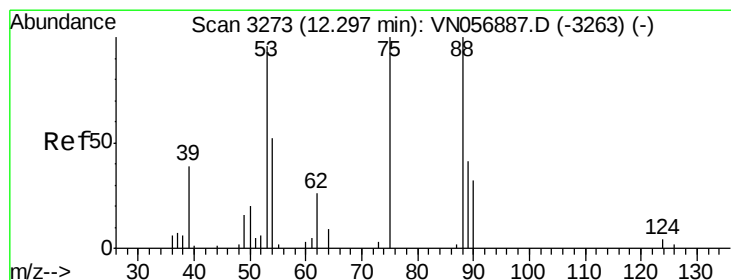
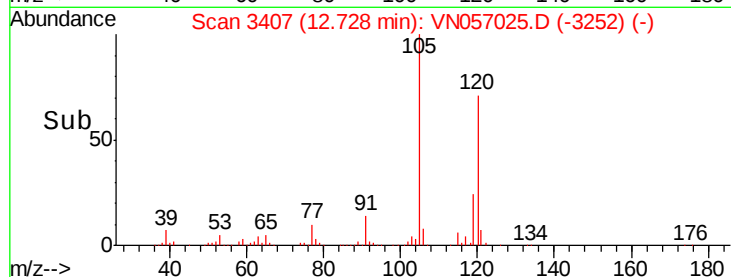
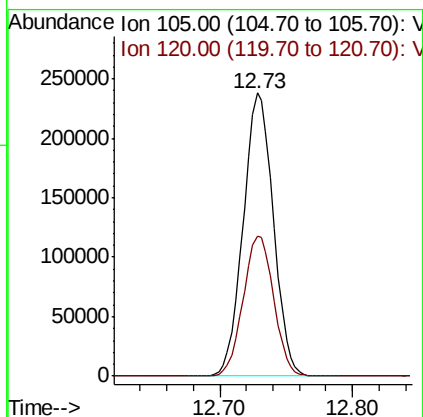
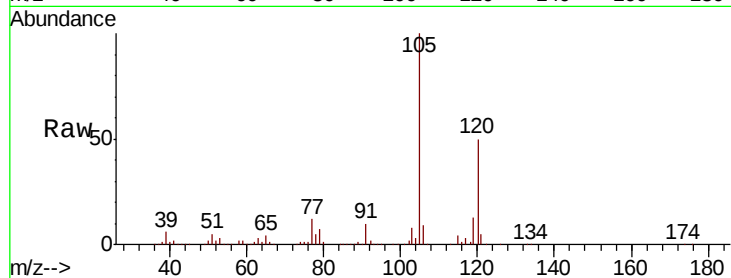




#76
 1,3,5-Trimethylbenzene
 Concen: 20.051 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

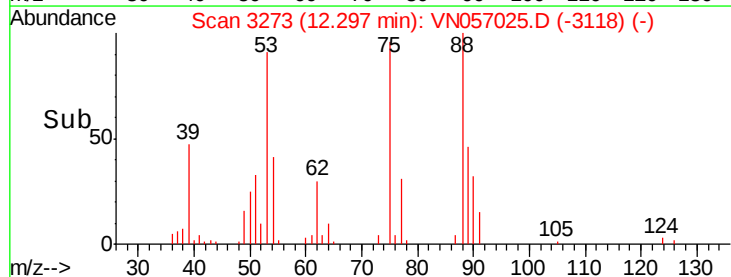
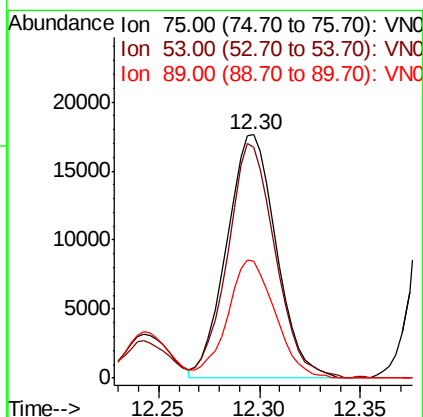
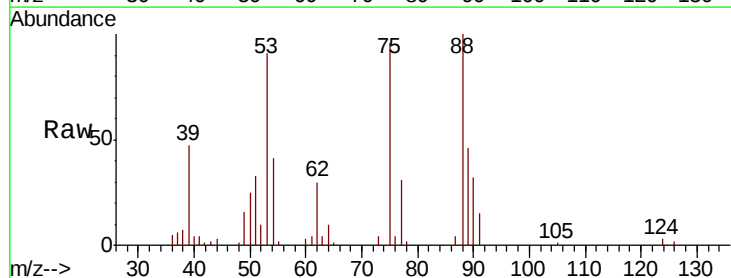
Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

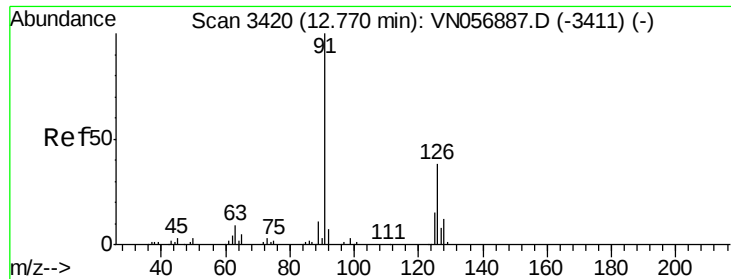
Tot Ion:105 Resp: 375638
 Ion Ratio Lower Upper
 105 100
 120 50.2 0.0 97.2



#77
 t-1,4-Dichloro-2-butene
 Concen: 17.598 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 75 Resp: 30301
 Ion Ratio Lower Upper
 75 100
 53 93.7 48.0 144.0
 89 47.8 21.4 64.3





#78

4-Chlorotoluene

Concen: 18.785 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

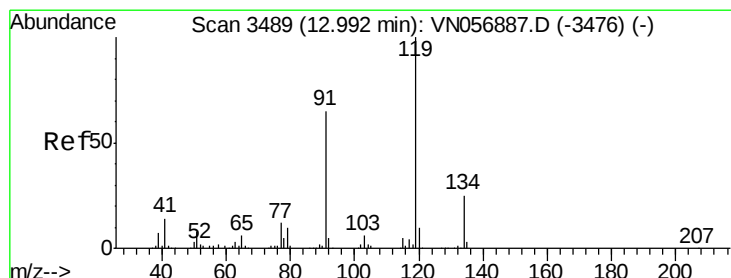
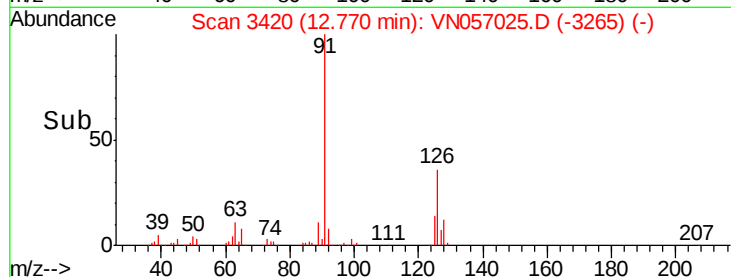
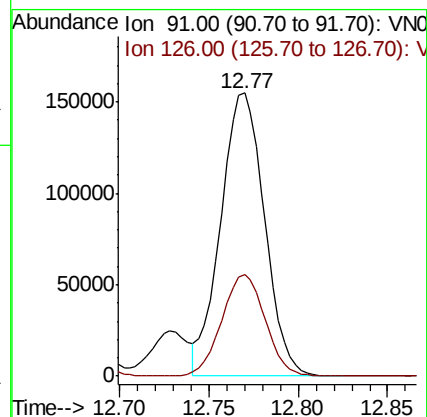
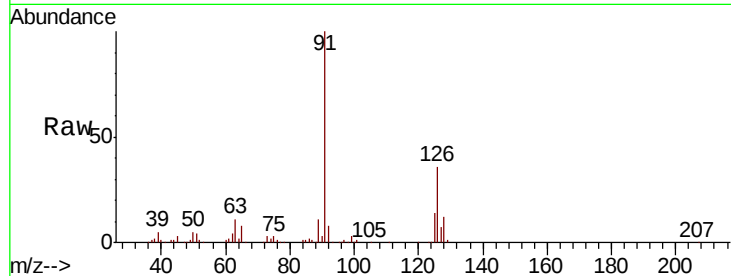
VN0801WBS01

Tot Ion: 91 Resp: 263415

Ion Ratio Lower Upper

91 100

126 35.7 0.0 69.6



#79

tert-butylbenzene

Concen: 20.383 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

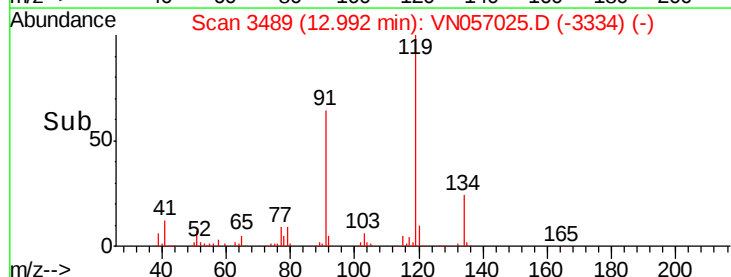
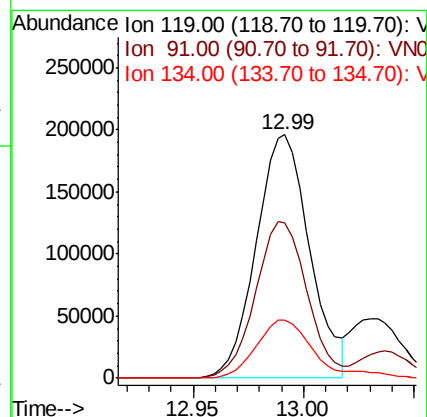
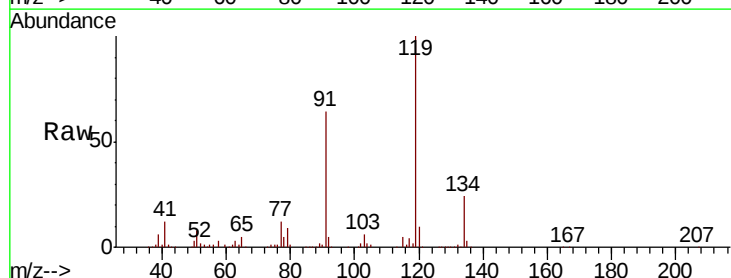
Tgt Ion: 119 Resp: 329523

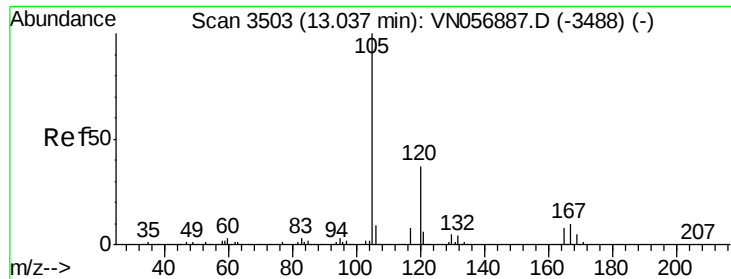
Ion Ratio Lower Upper

119 100

91 61.9 0.0 126.8

134 24.2 0.0 48.8

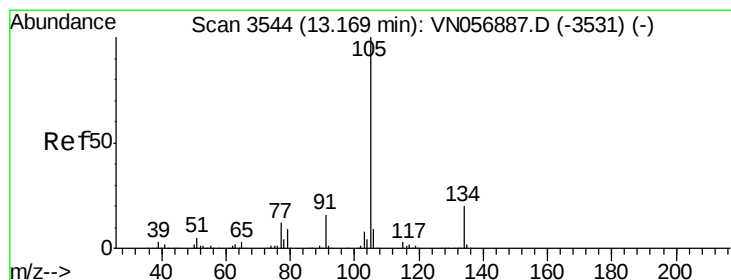
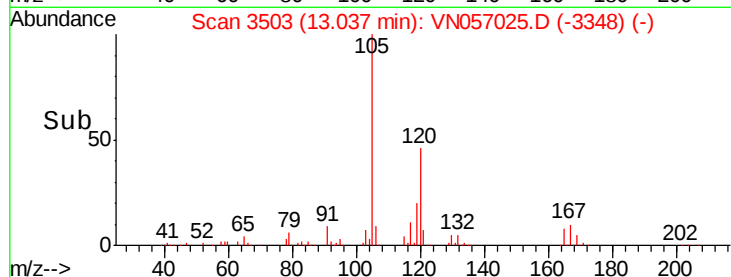
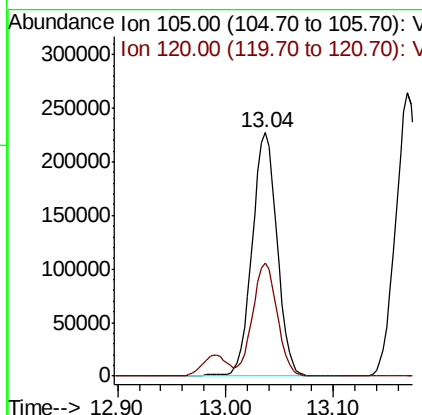
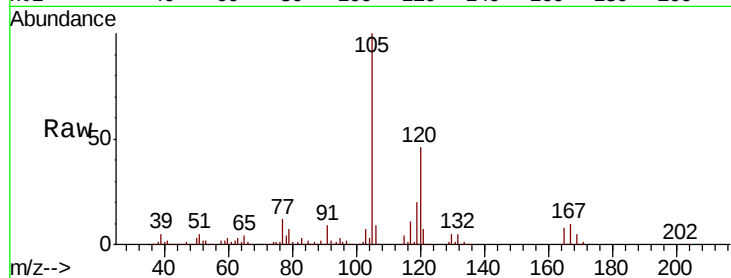




#80
 1,2,4-Trimethylbenzene
 Concen: 19.888 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

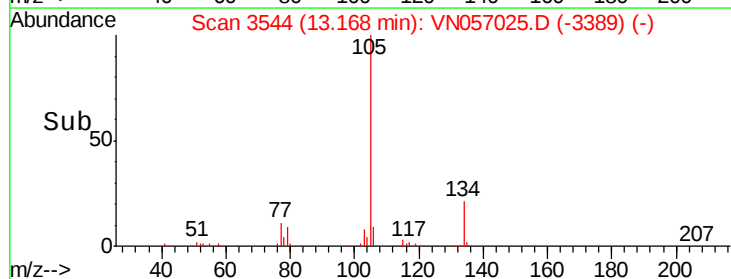
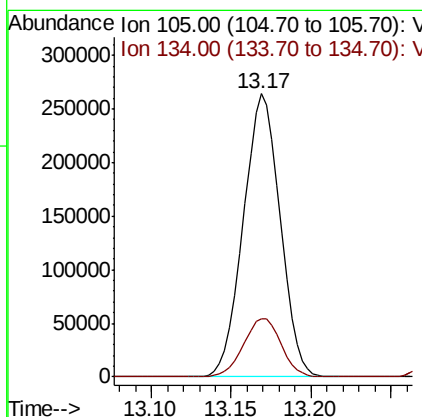
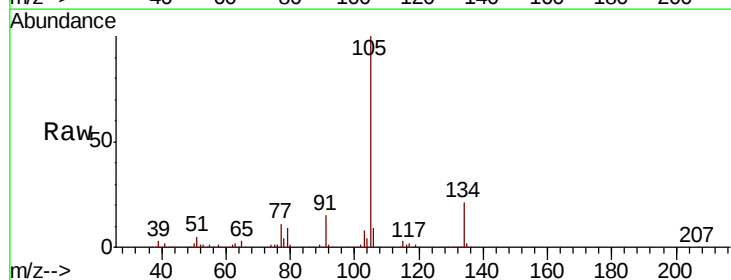
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

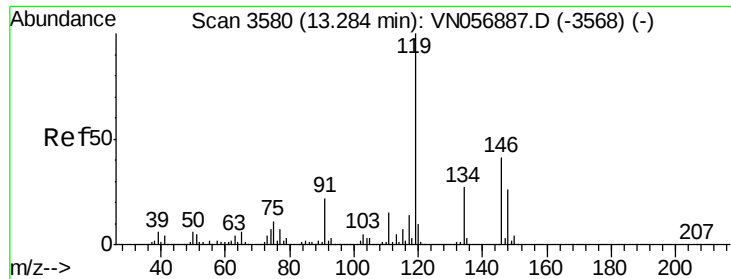
Tot Ion:105 Resp: 363225
 Ion Ratio Lower Upper
 105 100
 120 46.2 0.0 90.6



#81
 sec-Butylbenzene
 Concen: 19.701 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion:105 Resp: 415828
 Ion Ratio Lower Upper
 105 100
 134 21.0 0.0 41.2

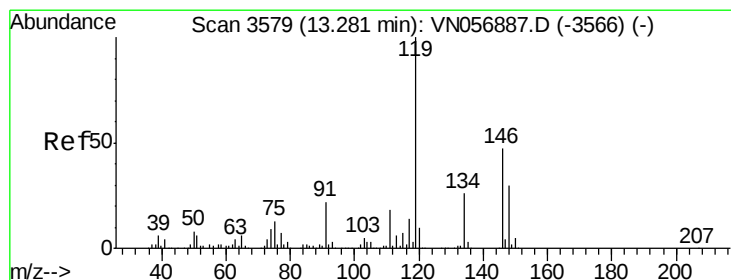
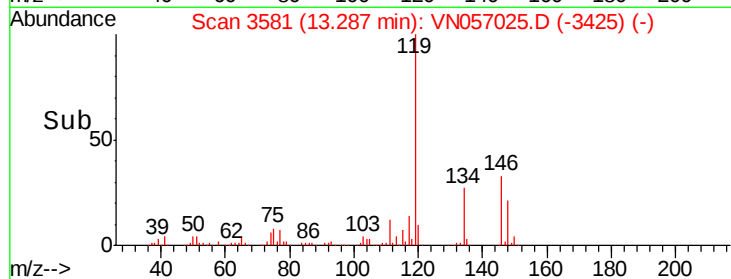
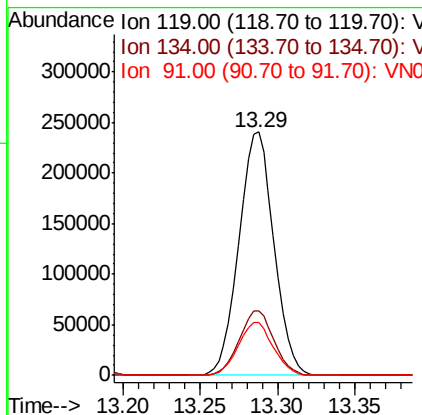
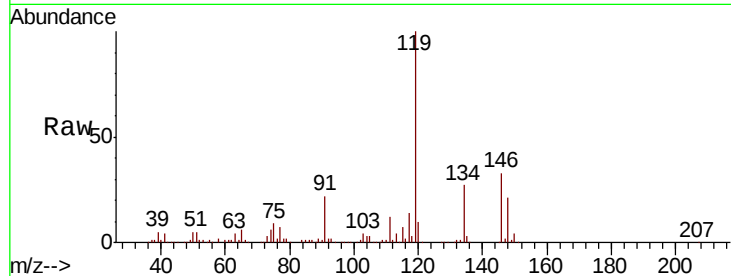




#82
 p-Isopropyltoluene
 Concen: 19.930 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

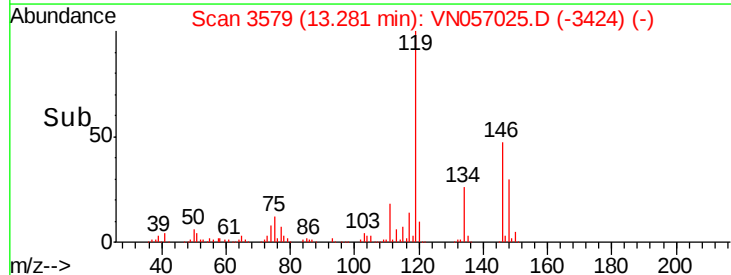
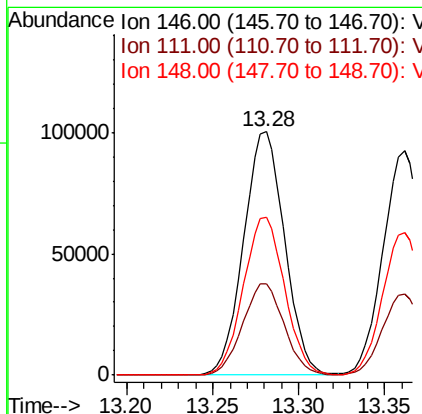
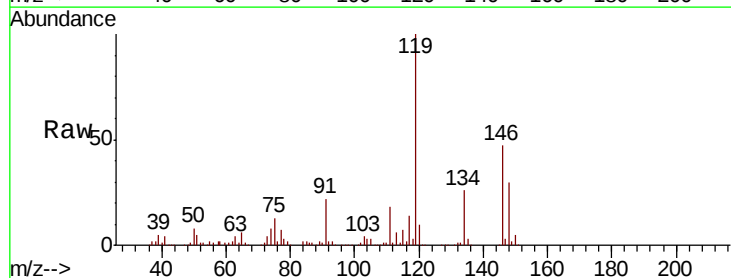
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

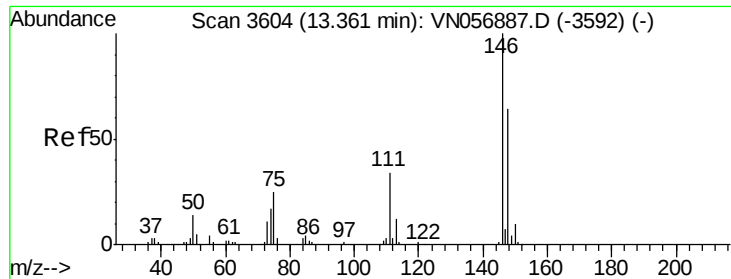
Tot Ion:119 Resp: 377788
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.2
 91 21.7 0.0 44.0



#83
 1,3-Dichlorobenzene
 Concen: 18.382 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion:146 Resp: 166200
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.4
 148 65.1 31.7 95.1





#84

1,4-Dichlorobenzene

Concen: 17.736 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

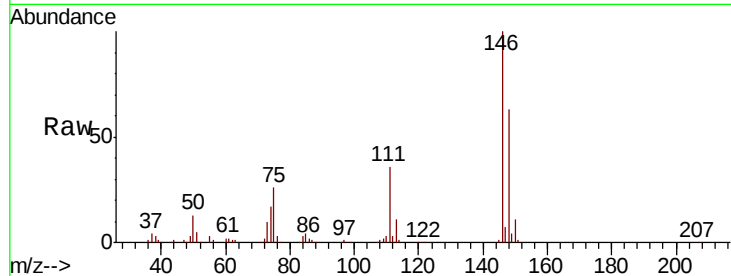
Tot Ion:146 Resp: 151619

Ion Ratio Lower Upper

146 100

111 36.6 17.8 53.5

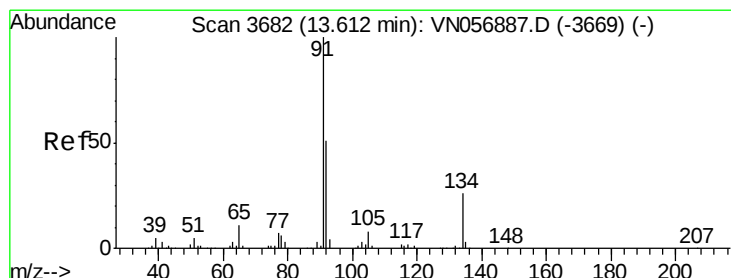
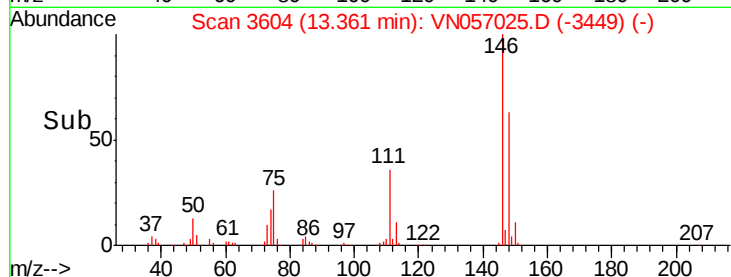
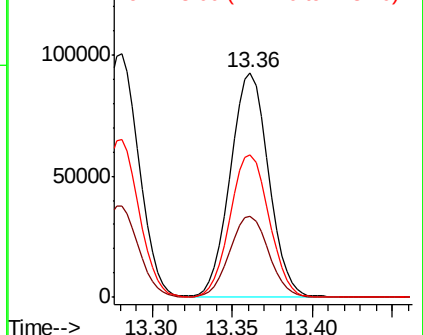
148 64.6 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 18.019 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

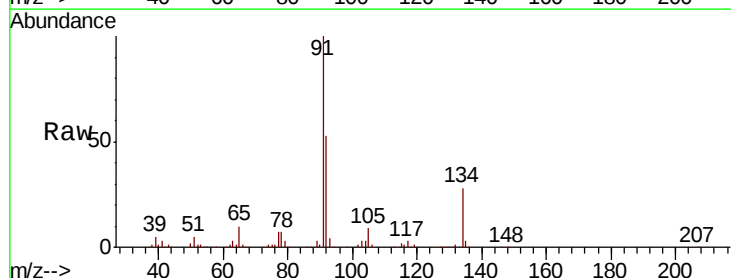
Tgt Ion: 91 Resp: 268211

Ion Ratio Lower Upper

91 100

92 52.3 0.0 101.8

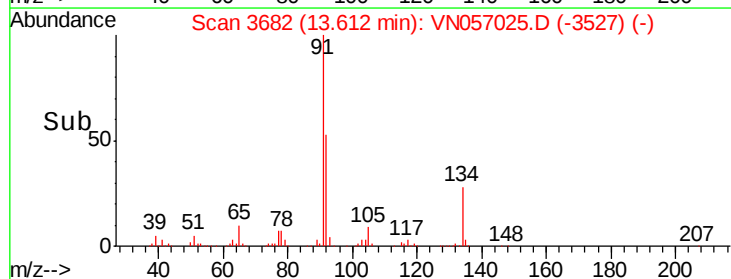
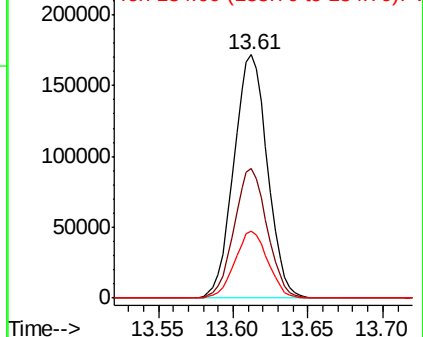
134 27.1 0.0 52.4

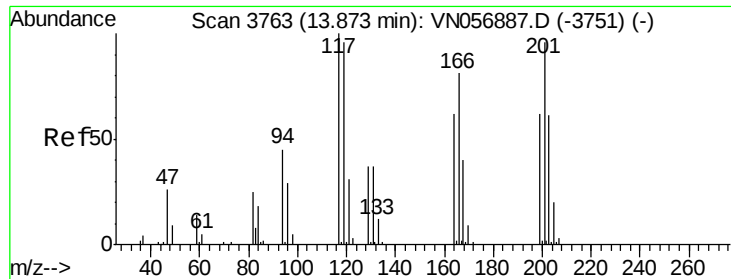


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

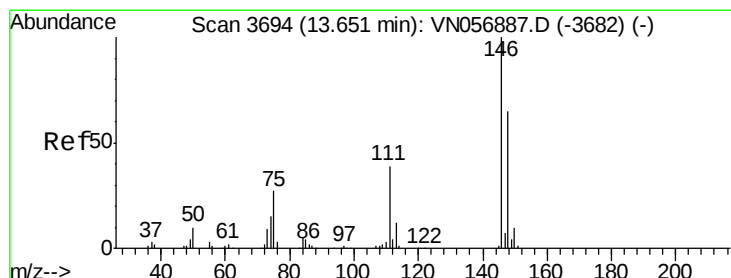
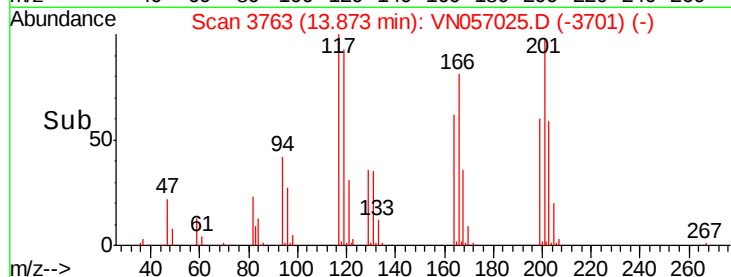
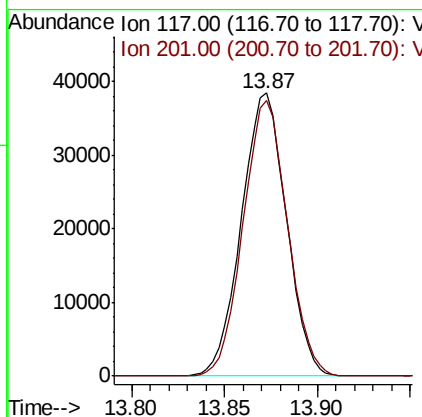
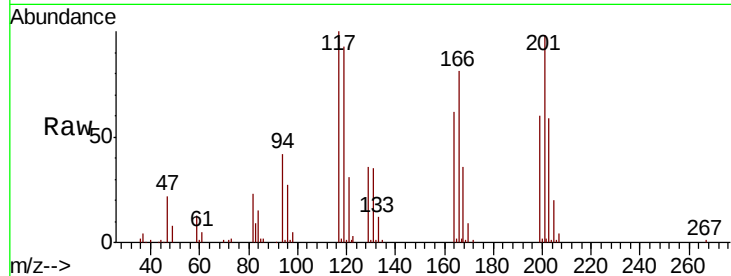




#86
Hexachloroethane
Concen: 20.401 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

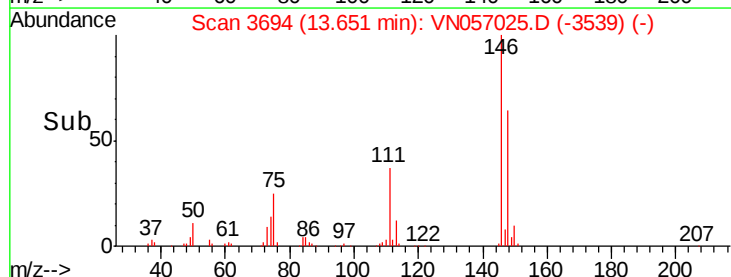
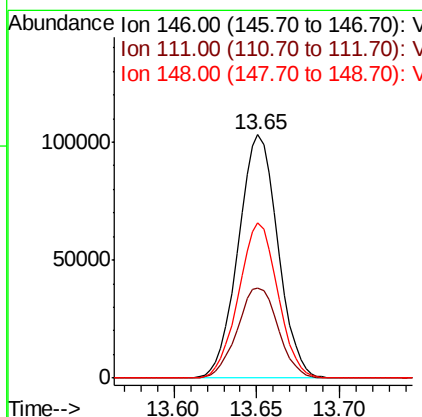
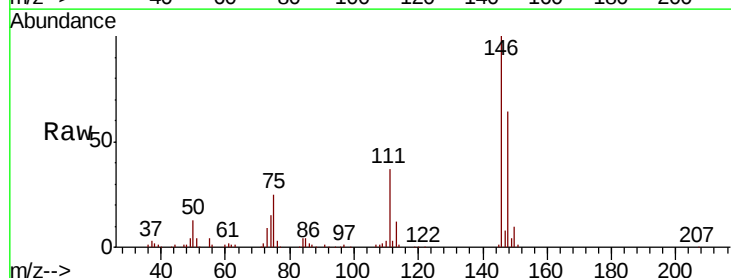
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

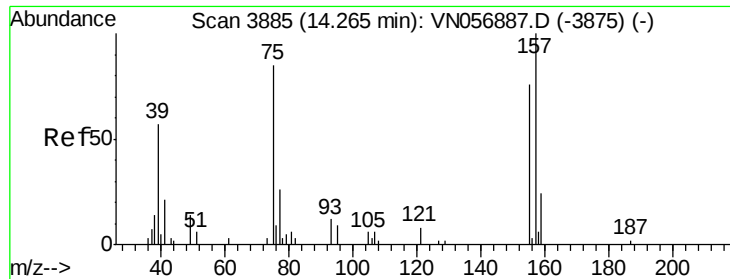
Tot Ion:117 Resp: 64721
Ion Ratio Lower Upper
117 100
201 95.6 47.8 143.3



#87
1,2-Dichlorobenzene
Concen: 19.081 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion:146 Resp: 171361
Ion Ratio Lower Upper
146 100
111 38.2 19.6 58.8
148 63.2 32.5 97.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 17.411 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

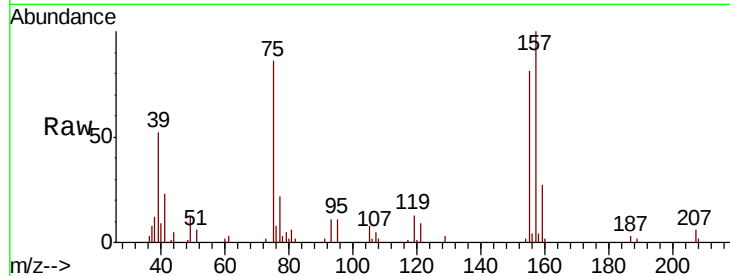
Tot Ion: 75 Resp: 16789

Ion Ratio Lower Upper

75 100

155 94.9 73.4 110.2

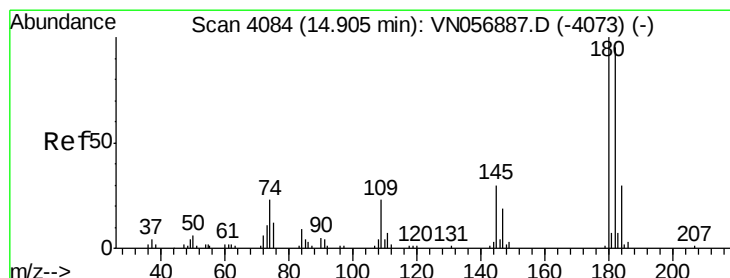
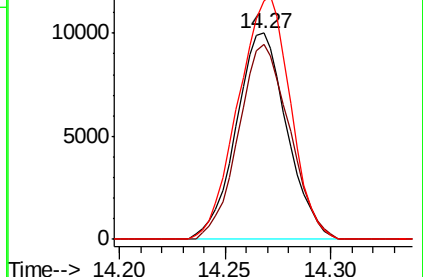
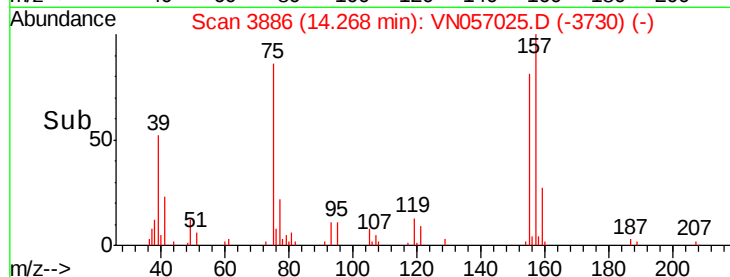
157 120.7 95.0 142.6



Abundance Ion 75.00 (74.70 to 75.70): VN056887.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN056887.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN056887.D (-3875) (-)



#89

1,2,4-Trichlorobenzene

Concen: 17.532 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

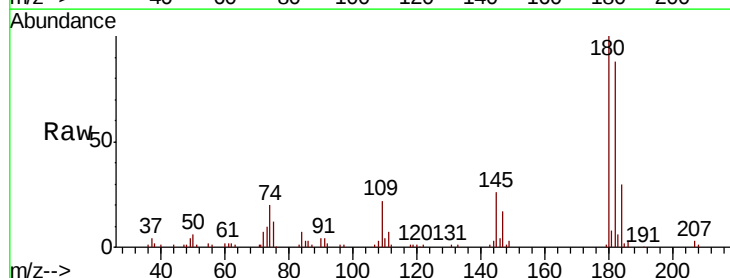
Tgt Ion: 180 Resp: 58864

Ion Ratio Lower Upper

180 100

182 91.1 77.0 115.4

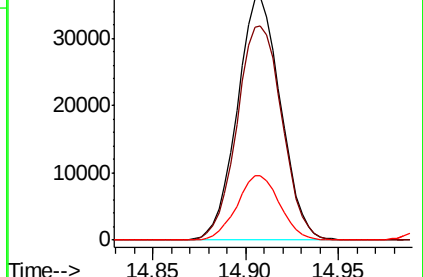
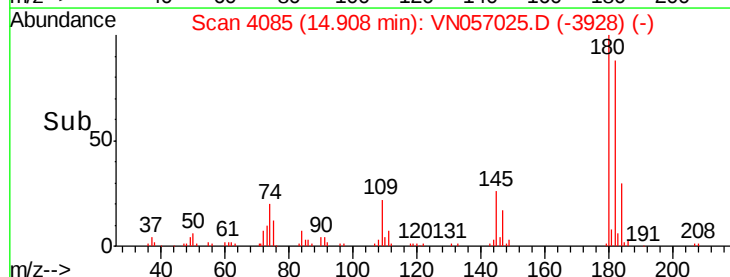
145 26.2 23.5 35.3

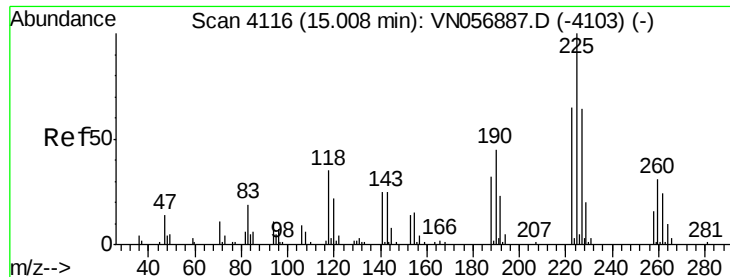


Abundance Ion 180.00 (179.70 to 180.70): VN056887.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN056887.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN056887.D (-4073) (-)





#90

Hexachlorobutadiene

Concen: 22.379 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

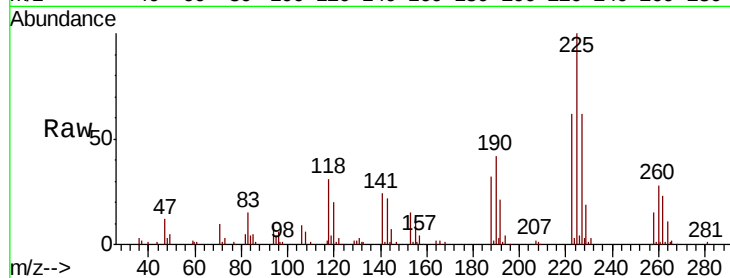
Tot Ion:225 Resp: 73875

Ion Ratio Lower Upper

225 100

223 62.9 0.0 130.0

227 62.1 0.0 127.2

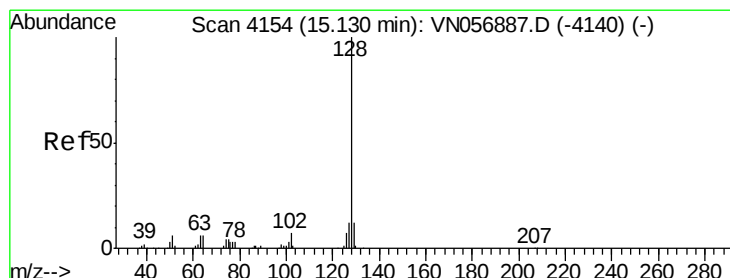
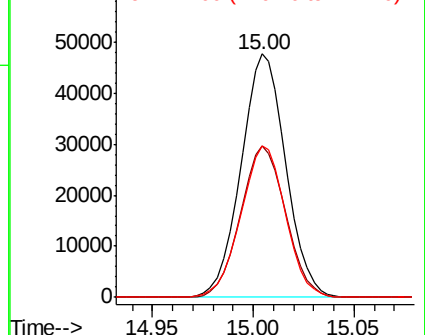
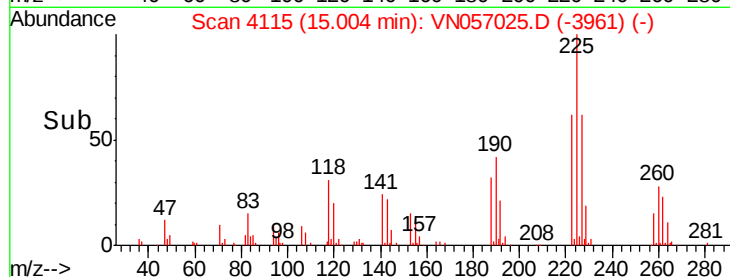


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 15.851 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

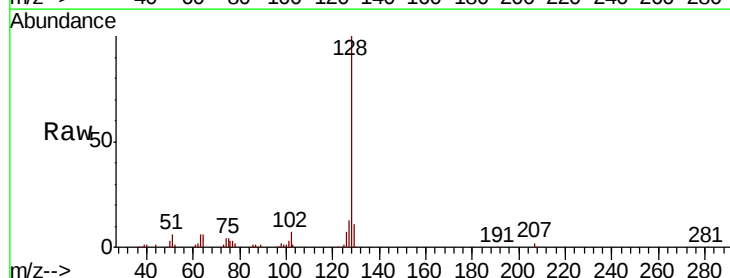
Tgt Ion:128 Resp: 129721

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 11.1 8.9 13.3

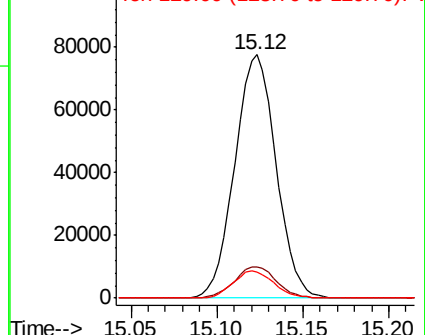
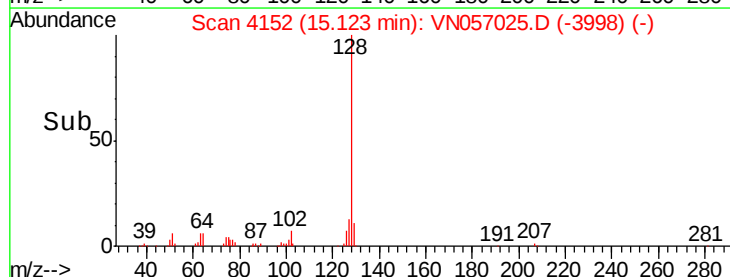


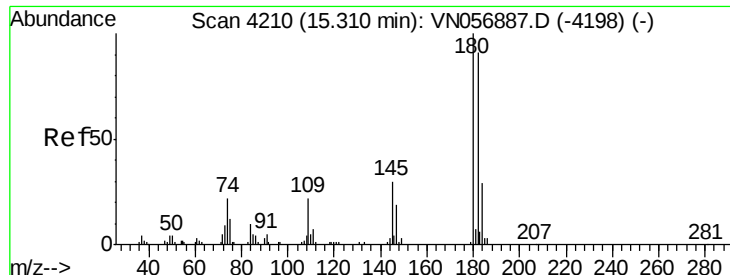
Abundance

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: 13.996 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. -0.02 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	188.0
145	29.7	0.0	61.0

