

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058237.D
 Acq On : 20 Sep 2019 10:14
 Operator : JC/SP
 Sample : VN0920WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Quant Time: Sep 21 05:37:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74996	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	434628	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	389566	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	201564	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	12.40	95	197683	29.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.83%
63) Toluene-d8	10.09	98	559570	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	89531	19.759	ug/l 98
3) Chloromethane	2.04	50	95990	16.989	ug/l 96
4) Vinyl Chloride	2.17	62	97461	16.860	ug/l 100
5) Bromomethane	2.55	94	48037	13.315	ug/l 97
6) Chloroethane	2.69	64	60947	16.965	ug/l 93
7) Trichlorofluoromethane	3.00	101	122191	18.296	ug/l 98
8) Diethyl Ether	3.39	74	54413	20.196	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85810	20.577	ug/l 98
10) 1,1-Dichloroethene	3.72	96	76379	19.261	ug/l 97
11) Methyl Iodide	3.93	142	76961	14.506	ug/l 100
12) Methyl Acetate	4.30	43	107520	19.757	ug/l 95
13) Acrolein	3.59	56	26030	88.156	ug/l 96
14) Acrylonitrile	4.96	53	217743	98.148	ug/l # 90
15) Acetone	3.79	58	63888	101.436	ug/l 97
16) Carbon Disulfide	4.03	76	163355	17.690	ug/l 98
17) Allyl chloride	4.30	41	141851	19.521	ug/l 95
18) Methylene Chloride	4.53	84	97322	19.475	ug/l 93
19) trans-1,2-Dichloroethene	5.02	96	85640	19.377	ug/l 98
20) Diisopropyl ether	5.93	45	327663	19.288	ug/l 99
21) 1,1-Dichloroethane	5.82	63	183319	19.571	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	107076	19.773	ug/l 99
23) tert-Butyl Alcohol	4.75	59	68155	94.104	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	297696	19.586	ug/l # 100
25) Chloroform	7.36	83	189325	19.853	ug/l 99
26) Cyclohexane	7.64	56	151576	19.259	ug/l 99
29) 1,1-Dichloropropene	7.78	75	133529	19.530	ug/l 99
30) 2-Butanone	6.81	43	318368	103.269	ug/l 99
31) 2,2-Dichloropropane	6.81	77	144400	20.004	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	154823	20.140	ug/l 99
33) Carbon Tetrachloride	7.76	117	124343	19.828	ug/l 99
34) Benzene	8.03	78	401214	19.804	ug/l 97
35) Methacrylonitrile	7.19	41	188591	65.954	ug/l # 57
36) 1,2-Dichloroethane	8.11	62	157451	20.028	ug/l 99
37) Trichloroethene	8.82	130	99142	20.148	ug/l 100
38) Methylcyclohexane	9.07	83	153013	19.654	ug/l 99
39) 1,2-Dichloropropane	9.11	63	116309	20.443	ug/l 96
40) Dibromomethane	9.20	93	69872	20.192	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	136268	19.533	ug/l	94
42) Vinyl Acetate	5.87	43	1307078	105.490	ug/l	99
43) Ethyl Acetate	7.19	43	42298	6.725	ug/l	98
44) Isopropyl Acetate	8.15	43	213042	19.426	ug/l #	92
45) 1,4-Dioxane	9.19	88	31956	370.824	ug/l	94
46) Methyl methacrylate	9.19	41	103002	19.227	ug/l	98
47) n-amyl Acetate	12.07	43	180266	17.894	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	137999	18.580	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	158783	19.054	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	102164	20.354	ug/l	99
51) Ethyl methacrylate	10.43	69	147909	19.004	ug/l	97
52) 1,3-Dichloropropane	10.70	76	176554	20.113	ug/l	98
53) Dibromochloromethane	10.90	129	91668	18.492	ug/l	99
54) 1,2-Dibromoethane	11.00	107	96021	19.227	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	332729	89.970	ug/l	98
56) Bromoform	12.13	173	56532	18.409	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	646129	106.952	ug/l	99
59) 2-Hexanone	10.75	43	468685	103.382	ug/l	99
61) Tetrachloroethene	10.63	164	79077	19.965	ug/l	99
62) Toluene	10.15	91	442627	20.520	ug/l	99
64) Chlorobenzene	11.43	112	264547	19.770	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	95345	20.522	ug/l	96
66) Ethyl Benzene	11.51	91	489724	20.802	ug/l	100
67) m/p-Xylenes	11.62	106	361532	40.235	ug/l	100
68) o-Xylene	11.95	106	173317	19.689	ug/l	99
69) Styrene	11.97	104	292167	19.467	ug/l	99
70) Isopropylbenzene	12.25	105	481879	20.706	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	147168	20.234	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	173360	26.855	ug/l	76
73) Bromobenzene	12.53	156	110203	19.780	ug/l	99
74) n-propylbenzene	12.59	91	559841	21.056	ug/l	100
75) 2-Chlorotoluene	12.68	91	330460	19.954	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	408125	20.595	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	33794	17.646	ug/l	99
78) 4-Chlorotoluene	12.78	91	336971	19.948	ug/l	99
79) tert-butylbenzene	13.00	119	349647	20.225	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	400372	20.277	ug/l	99
81) sec-Butylbenzene	13.17	105	471377	20.550	ug/l	99
82) p-Isopropyltoluene	13.29	119	418488	20.372	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	202074	19.513	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	197170	19.338	ug/l	98
85) n-Butylbenzene	13.62	91	376361	19.659	ug/l	98
86) Hexachloroethane	13.88	117	58941	18.014	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	201506	20.045	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	24534	19.158	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	116442	18.962	ug/l	98
90) Hexachlorobutadiene	15.01	225	61183	21.694	ug/l	97
91) Naphthalene	15.13	128	305124	18.058	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	108606	18.545	ug/l	97

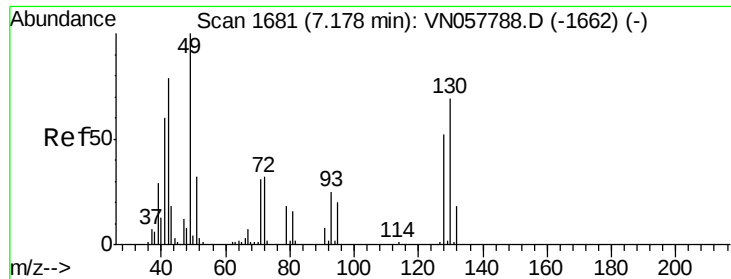
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

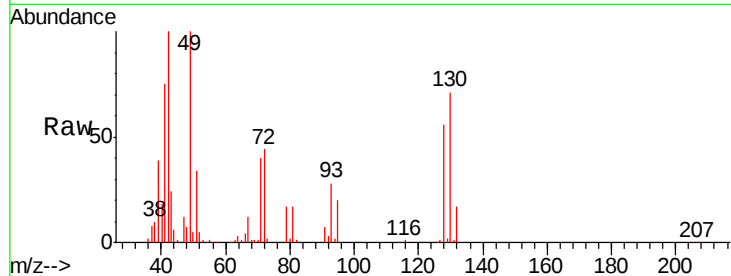
Tgt Ion:128 Resp: 74996

Ion Ratio Lower Upper

128 100

49 184.7 0.0 486.5

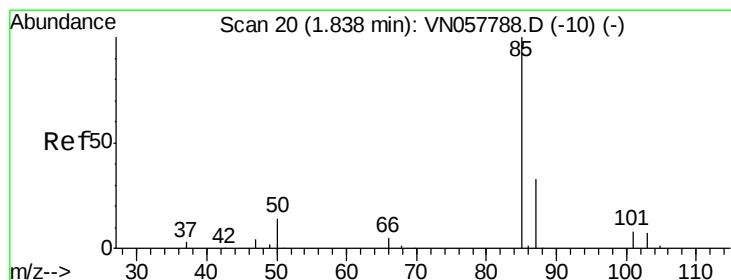
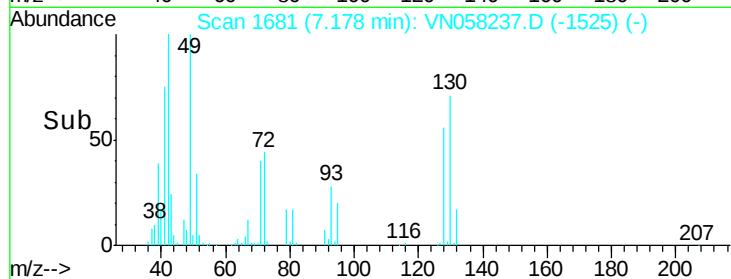
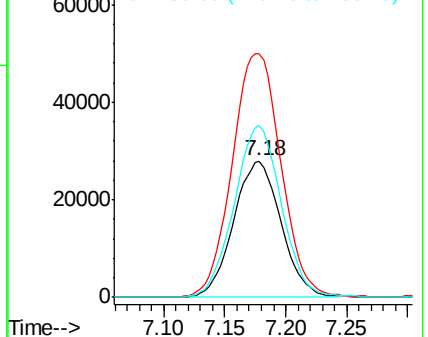
130 126.0 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.759 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058237.D

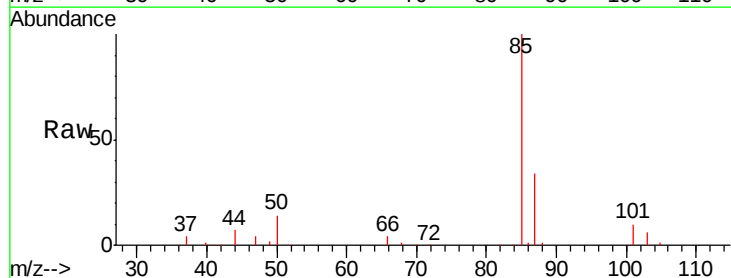
Acq: 20 Sep 2019 10:14

Tgt Ion: 85 Resp: 89531

Ion Ratio Lower Upper

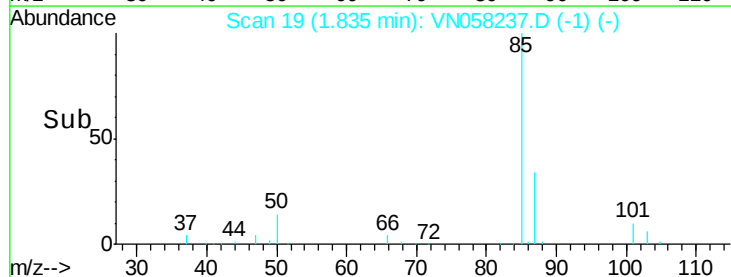
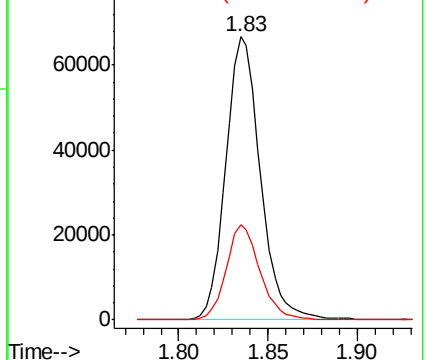
85 100

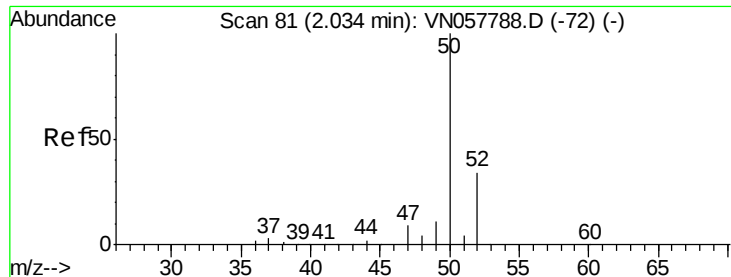
87 33.8 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

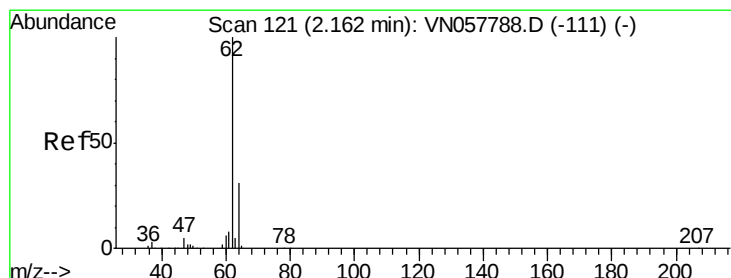
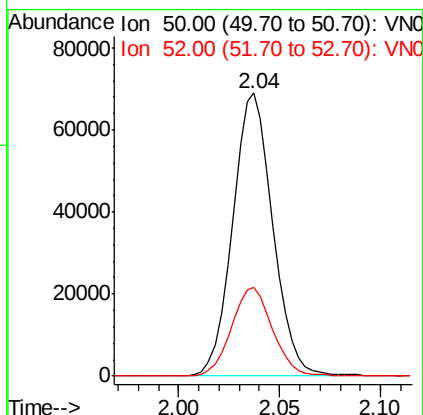
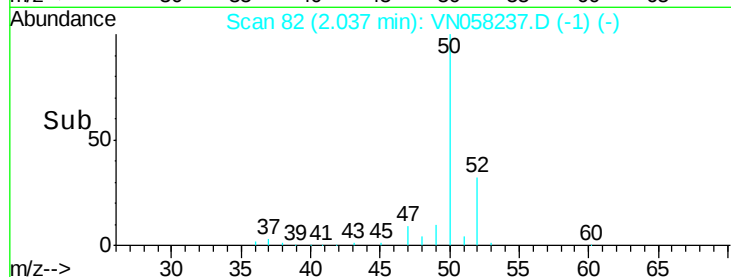
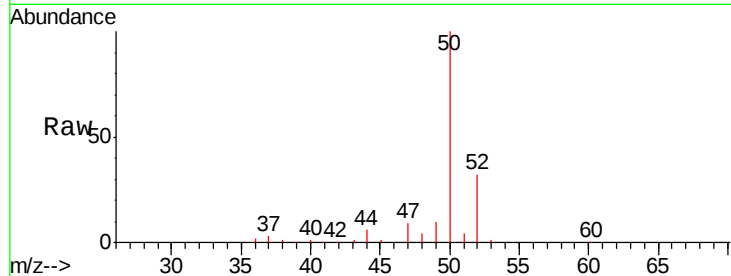




#3
Chloromethane
Concen: 16.989 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

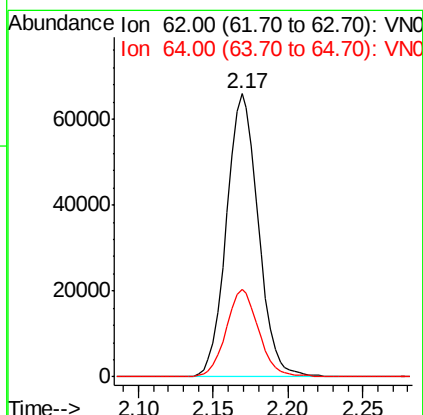
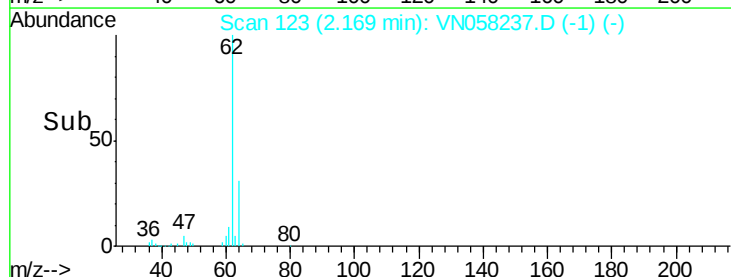
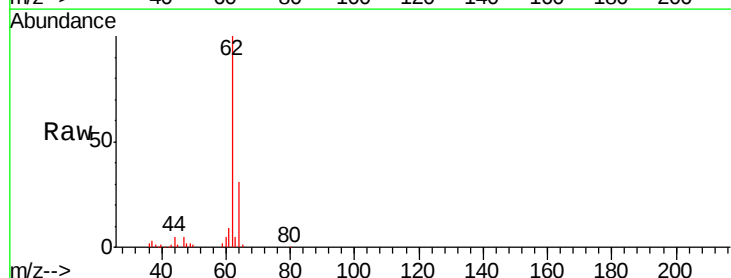
Instrument :
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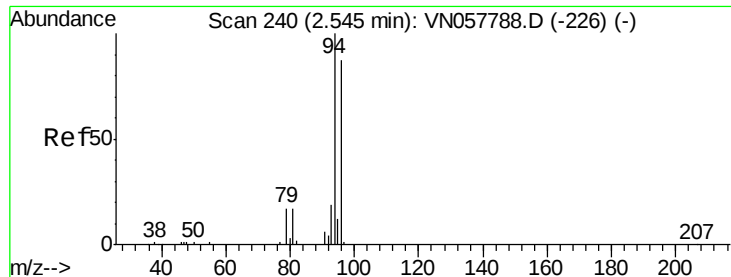
Tgt Ion: 50 Resp: 95990
Ion Ratio Lower Upper
50 100
52 31.5 26.9 40.3



#4
Vinyl Chloride
Concen: 16.860 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.01 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 62 Resp: 97461
Ion Ratio Lower Upper
62 100
64 31.0 25.0 37.6





#5

Bromomethane

Concen: 13.315 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

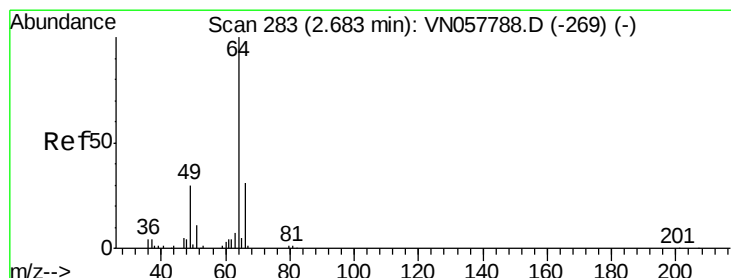
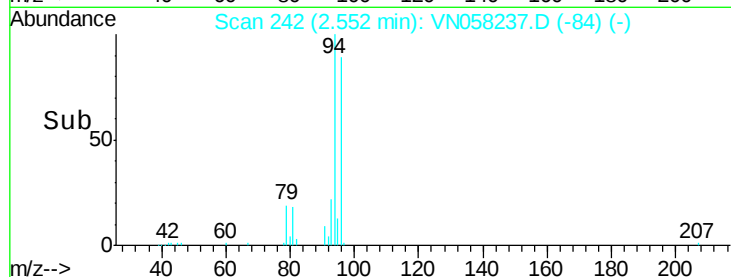
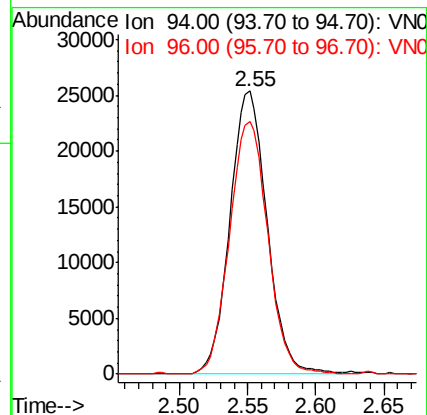
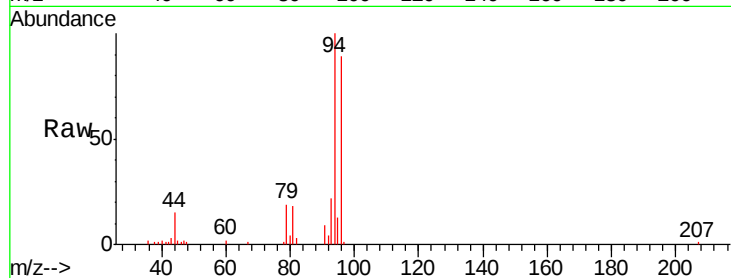
VN0920WBS01

Tgt Ion: 94 Resp: 48037

Ion Ratio Lower Upper

94 100

96 89.4 69.2 103.8



#6

Chloroethane

Concen: 16.965 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058237.D

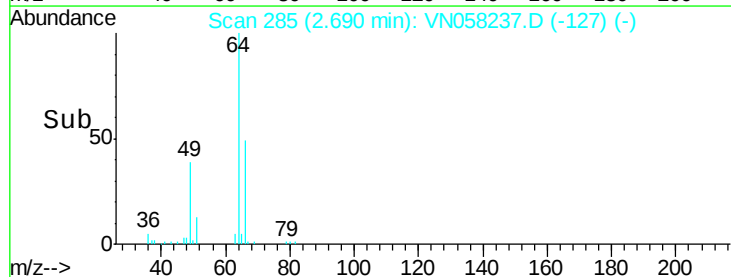
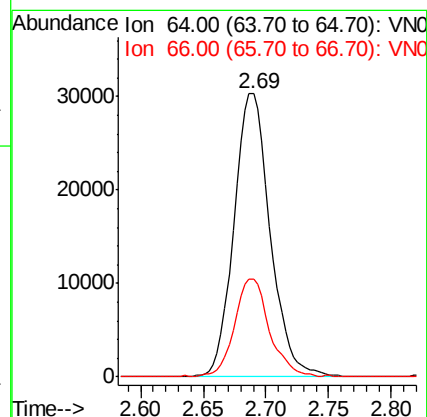
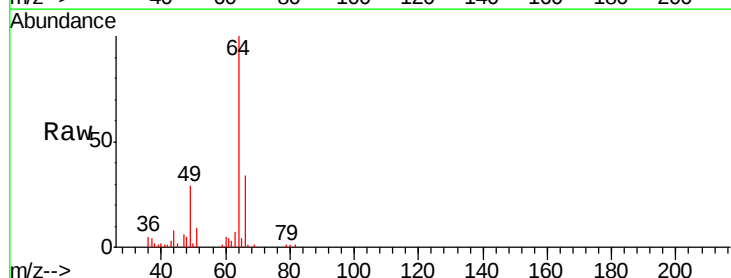
Acq: 20 Sep 2019 10:14

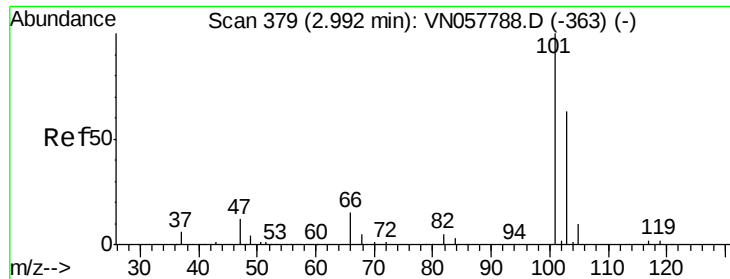
Tgt Ion: 64 Resp: 60947

Ion Ratio Lower Upper

64 100

66 34.4 24.4 36.6



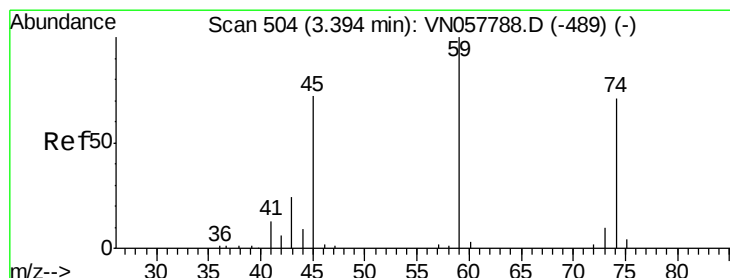
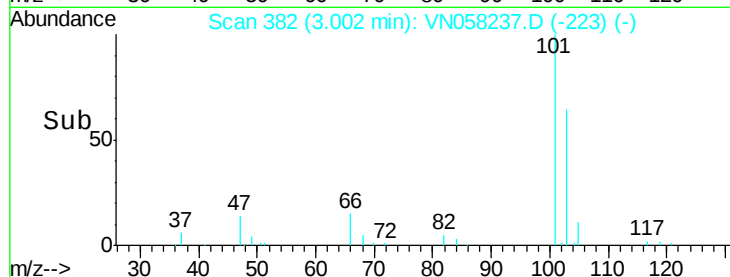
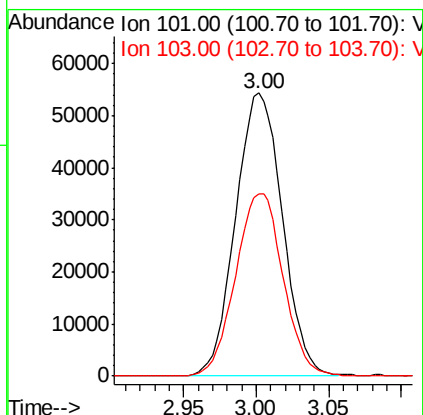
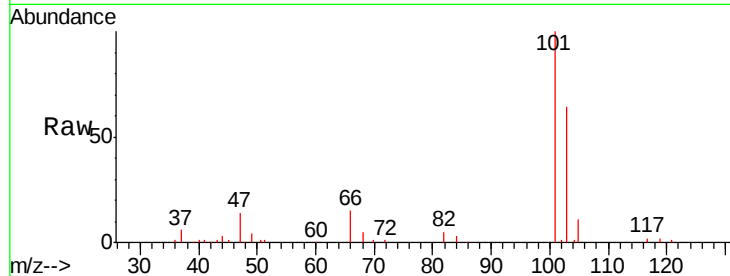


#7

Trichlorofluoromethane
 Concen: 18.296 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Instrument :
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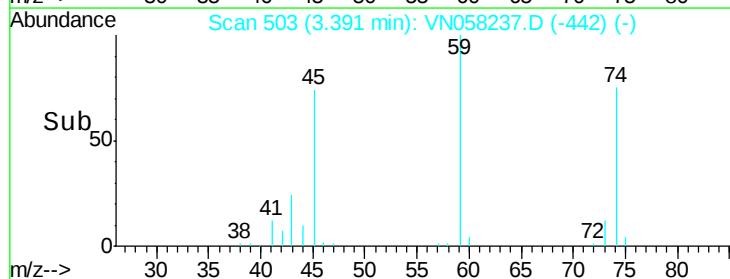
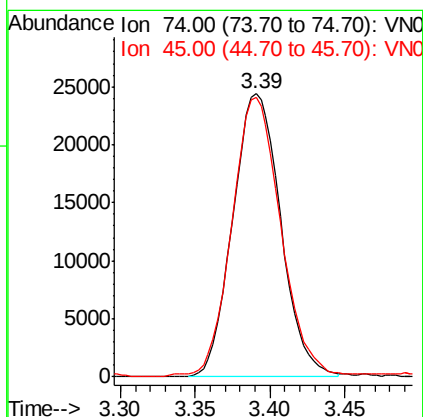
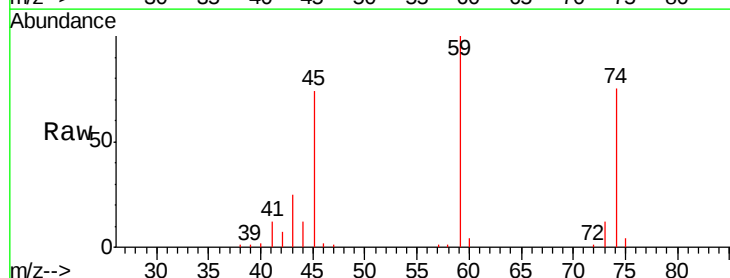
Tgt Ion: 101 Resp: 122191
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.2 75.2

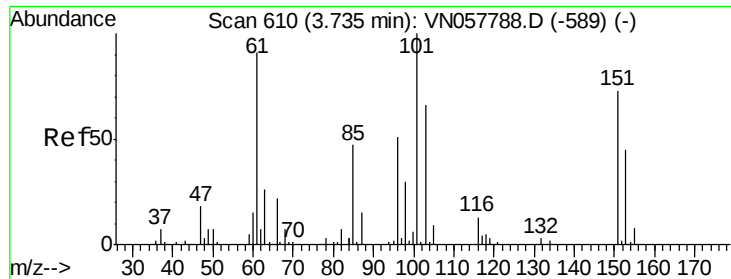


#8

Diethyl Ether
 Concen: 20.196 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 74 Resp: 54413
 Ion Ratio Lower Upper
 74 100
 45 99.4 20.3 182.5

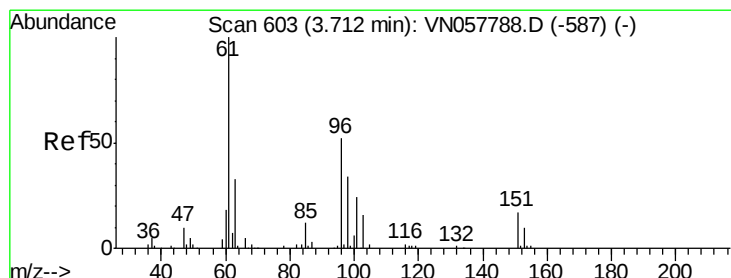
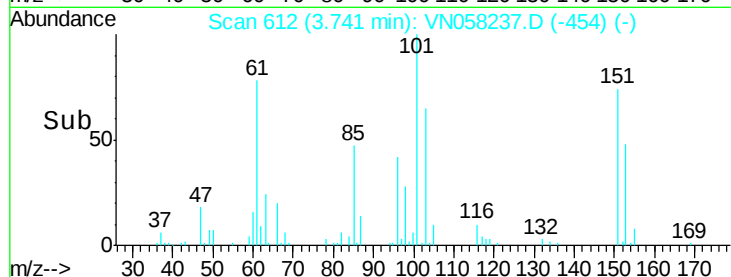
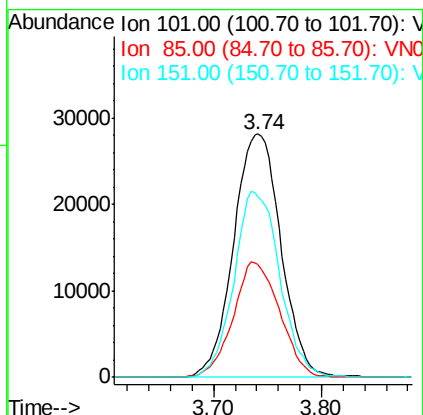
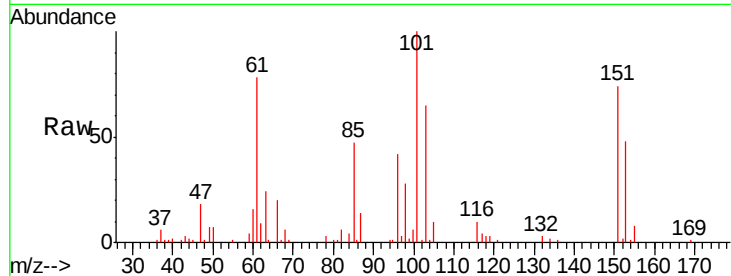




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.577 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

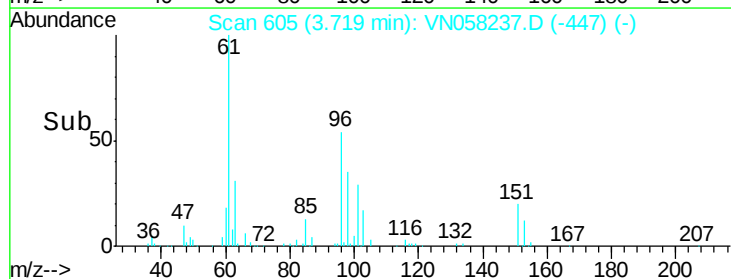
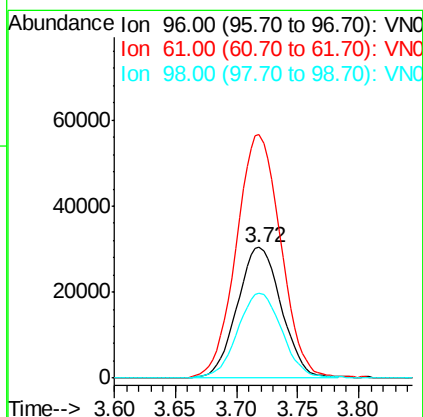
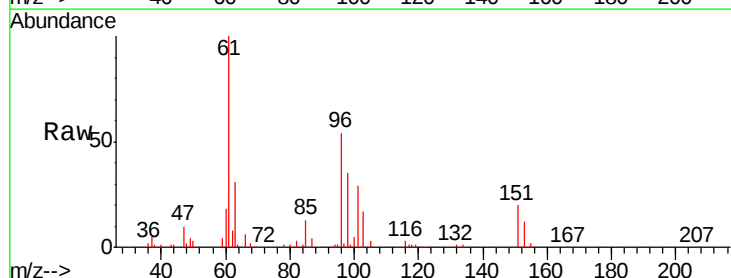
Instrument :
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 ClientSampleId :
 VN0920WBS01

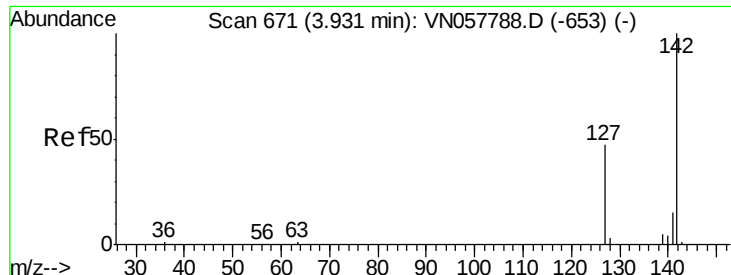
Tgt Ion: 101 Resp: 85810
 Ion Ratio Lower Upper
 101 100
 85 45.9 0.0 94.0
 151 73.9 0.0 144.4



#10
 1,1-Dichloroethene
 Concen: 19.261 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 96 Resp: 76379
 Ion Ratio Lower Upper
 96 100
 61 186.2 153.4 230.0
 98 65.4 51.5 77.3

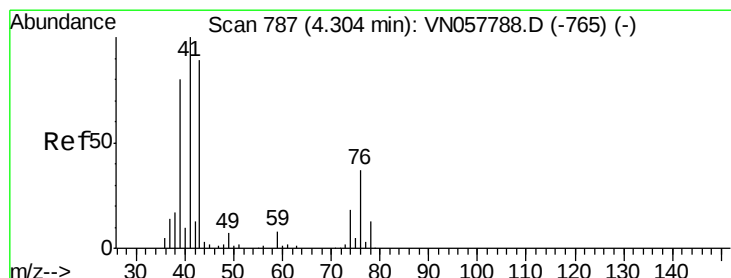
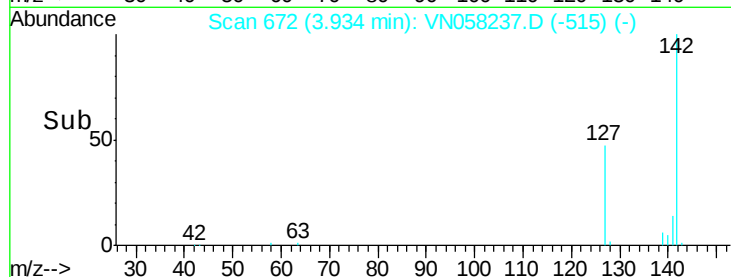
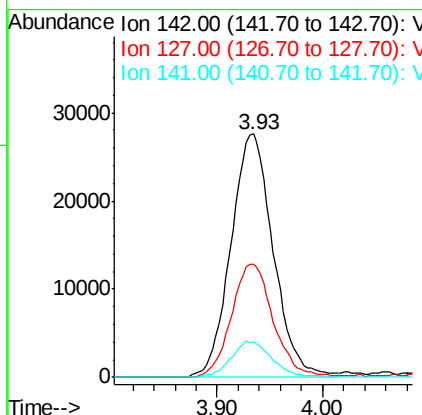
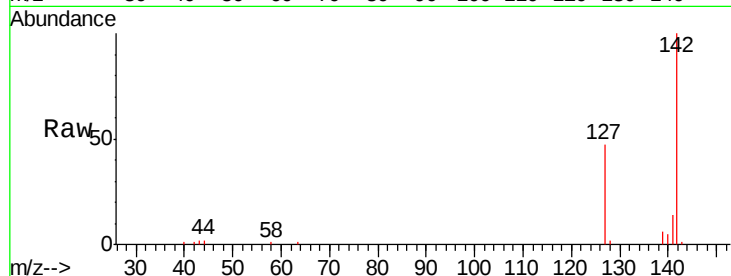




#11
Methyl Iodide
Concen: 14.506 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

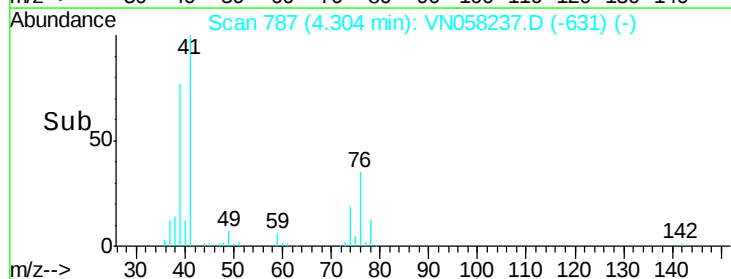
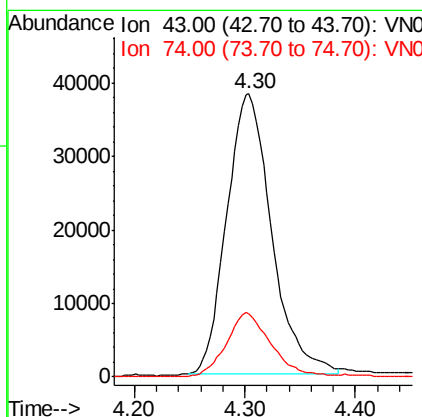
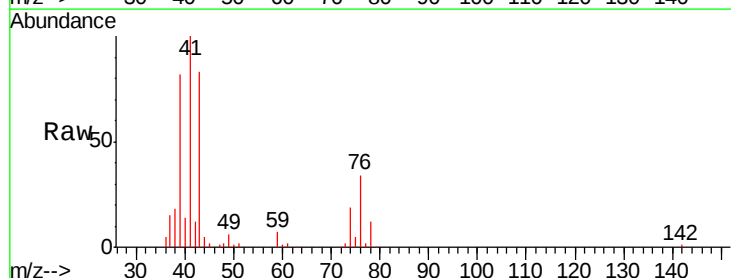
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

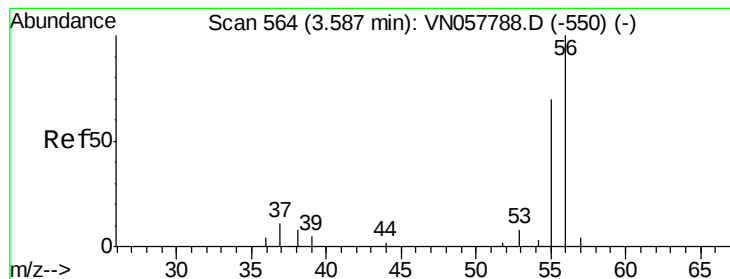
Tgt Ion:142 Resp: 76961
Ion Ratio Lower Upper
142 100
127 46.6 23.3 69.8
141 14.6 7.5 22.6



#12
Methyl Acetate
Concen: 19.757 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 43 Resp: 107520
Ion Ratio Lower Upper
43 100
74 22.7 16.2 24.4





#13

Acrolein

Concen: 88.156 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

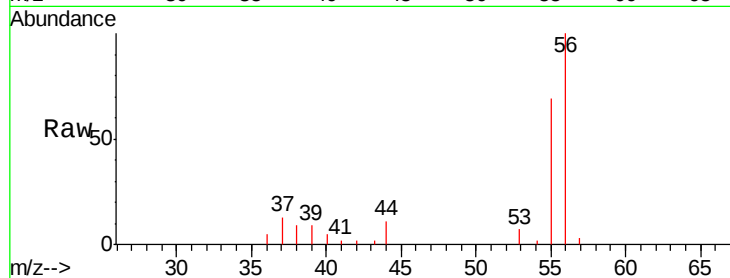
VN0920WBS01

Tgt Ion: 56 Resp: 26030

Ion Ratio Lower Upper

56 100

55 70.4 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

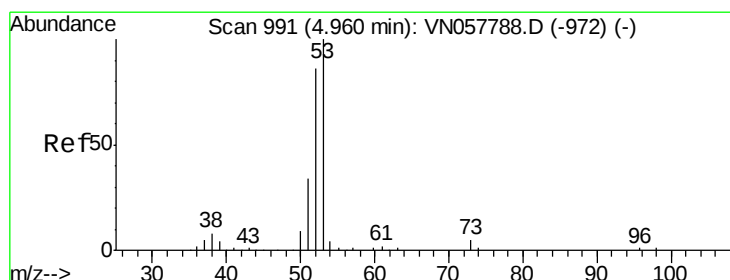
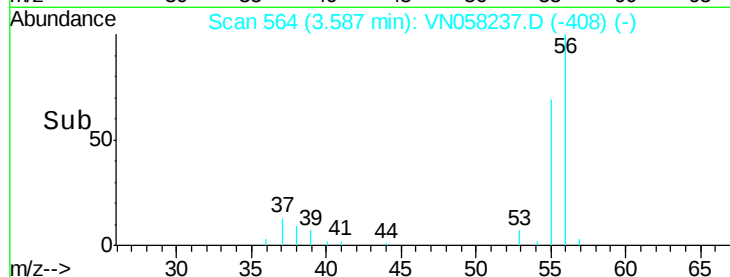
6000

4000

2000

0

Time-->



#14

Acrylonitrile

Concen: 98.148 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

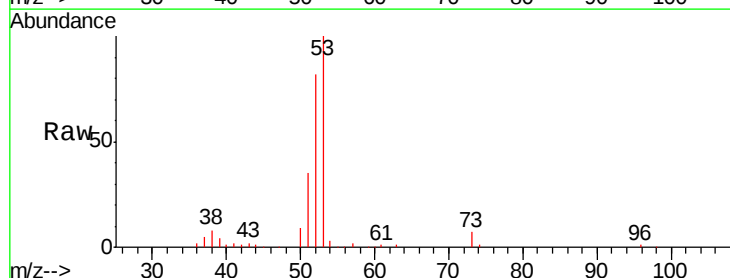
Tgt Ion: 53 Resp: 217743

Ion Ratio Lower Upper

53 100

52 84.2 41.0 123.0

51 37.3 8.6 25.8#



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

80000

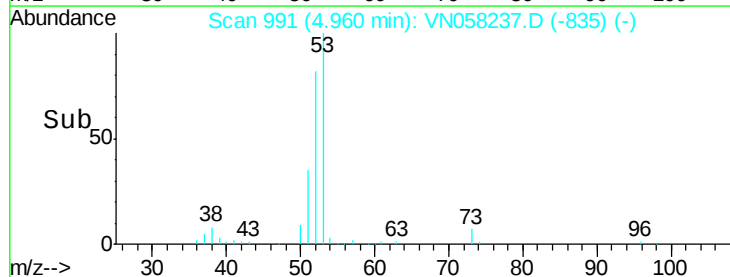
60000

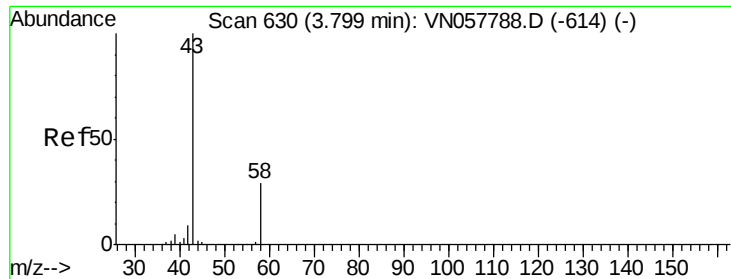
40000

20000

0

Time-->





#15

Acetone

Concen: 101.436 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

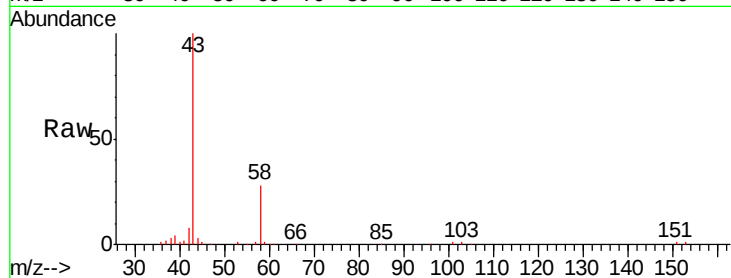
VN0920WBS01

Tgt Ion: 58 Resp: 63888

Ion Ratio Lower Upper

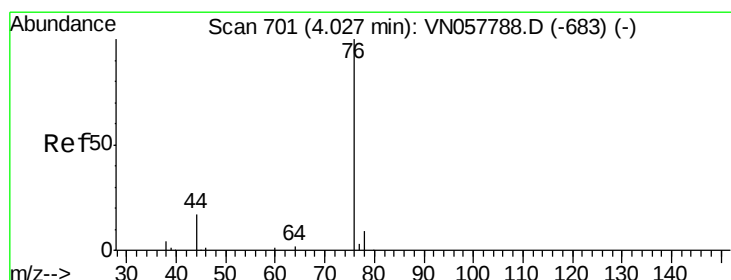
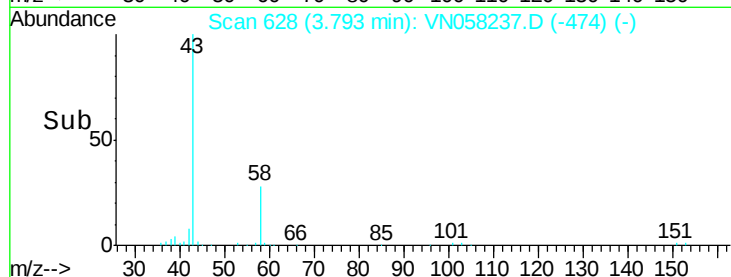
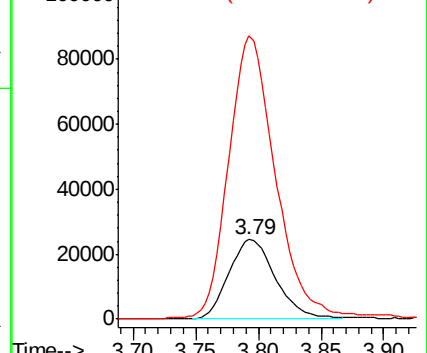
58 100

43 352.7 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.690 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058237.D

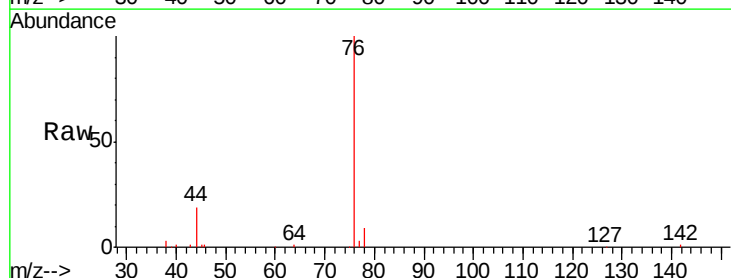
Acq: 20 Sep 2019 10:14

Tgt Ion: 76 Resp: 163355

Ion Ratio Lower Upper

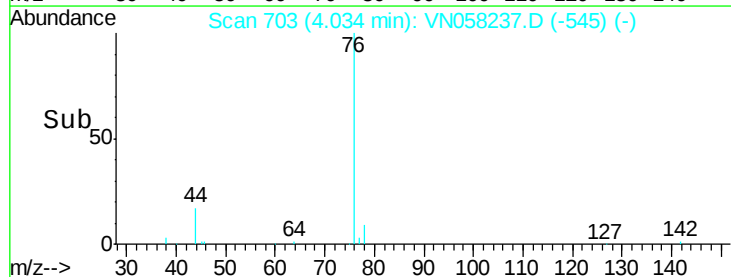
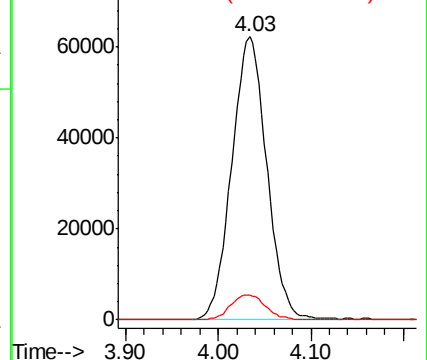
76 100

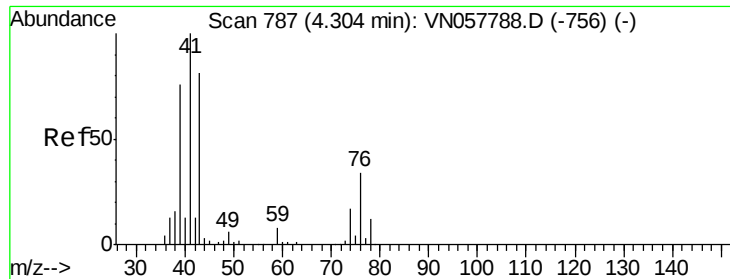
78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

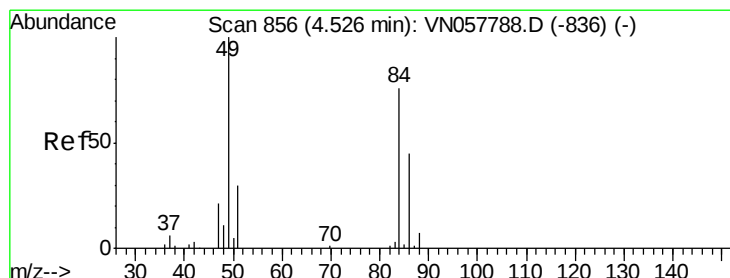
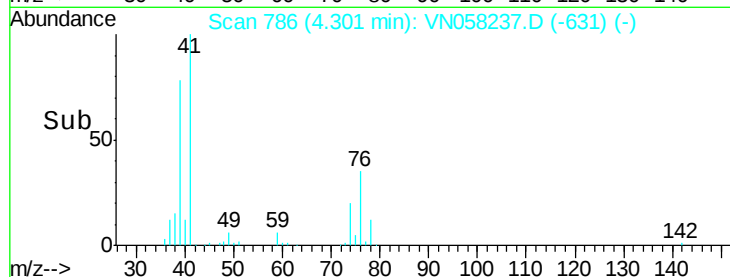
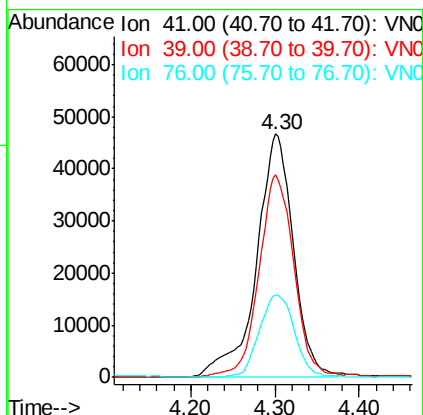
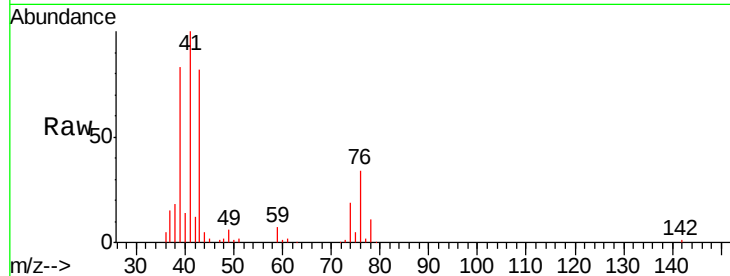




#17
 Allyl chloride
 Concen: 19.521 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

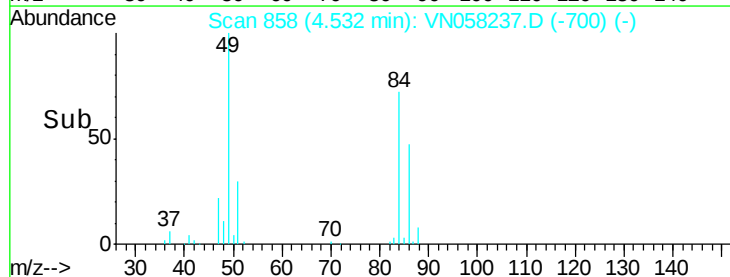
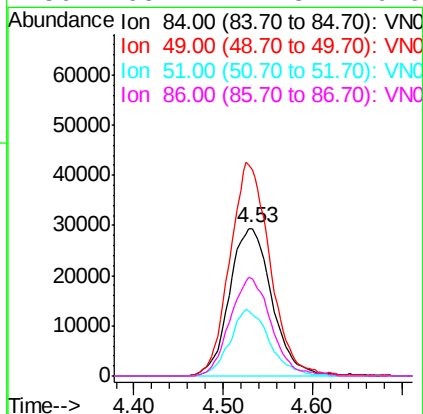
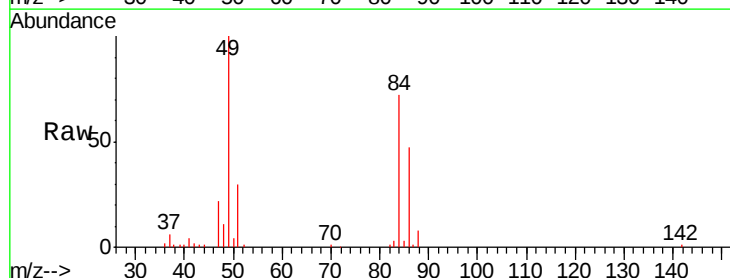
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

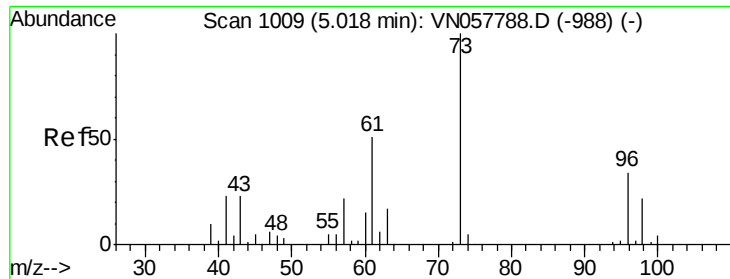
Tgt Ion: 41 Resp: 141851
 Ion Ratio Lower Upper
 41 100
 39 82.7 38.5 115.3
 76 34.0 17.2 51.6



#18
 Methylene Chloride
 Concen: 19.475 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 84 Resp: 97322
 Ion Ratio Lower Upper
 84 100
 49 139.5 105.4 158.2
 51 41.9 31.3 46.9
 86 65.7 47.3 70.9

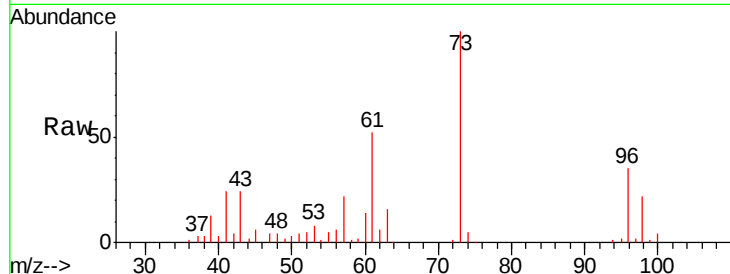




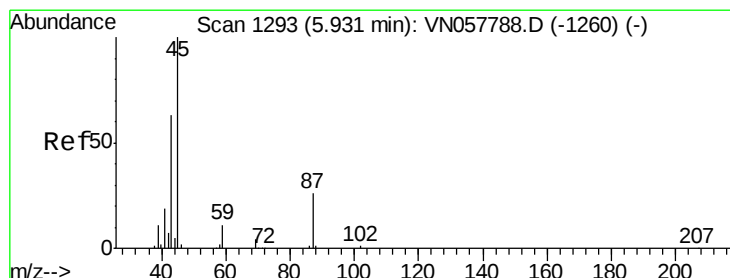
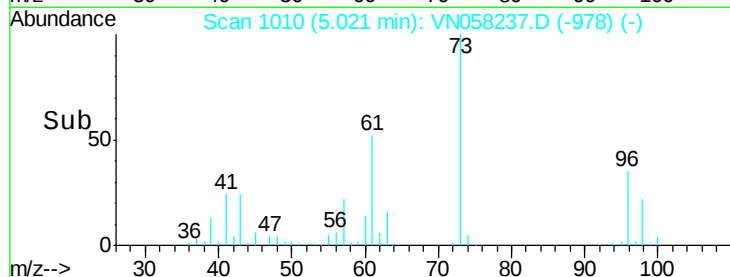
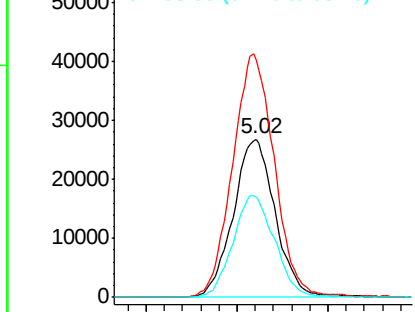
#19
trans-1,2-Dichloroethene
Concen: 19.377 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tgt Ion: 96 Resp: 85640
Ion Ratio Lower Upper
96 100
61 149.4 121.0 181.6
98 63.0 52.7 79.1

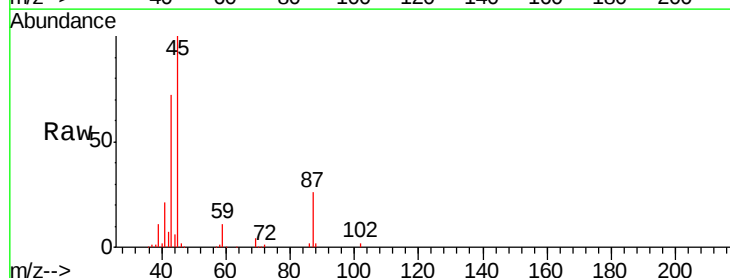


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

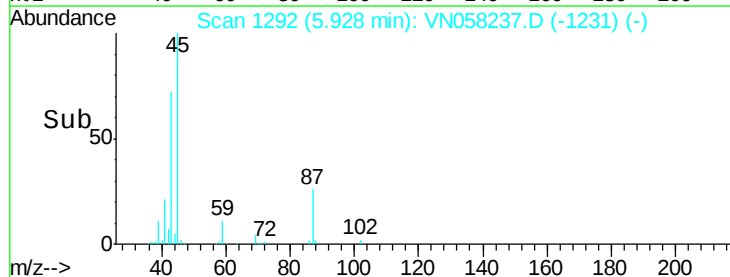
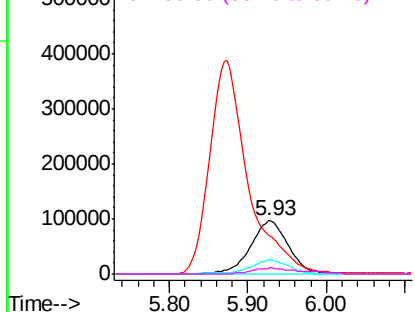


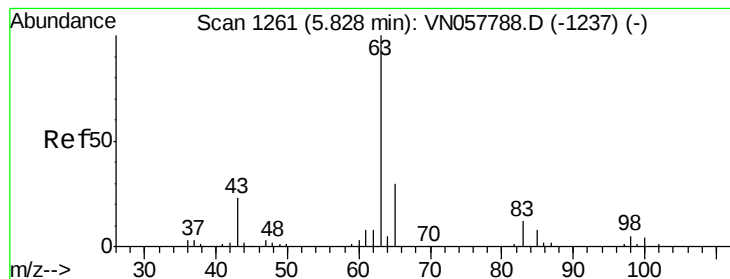
#20
Diisopropyl ether
Concen: 19.288 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 45 Resp: 327663
Ion Ratio Lower Upper
45 100
43 69.1 55.2 82.8
87 25.9 21.3 31.9
59 10.4 9.1 13.7



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: 19.571 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

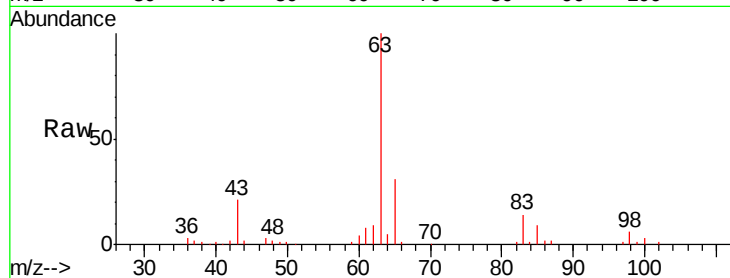
Tgt Ion: 63 Resp: 183319

Ion Ratio Lower Upper

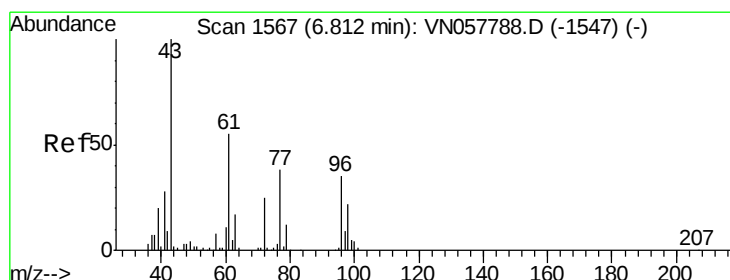
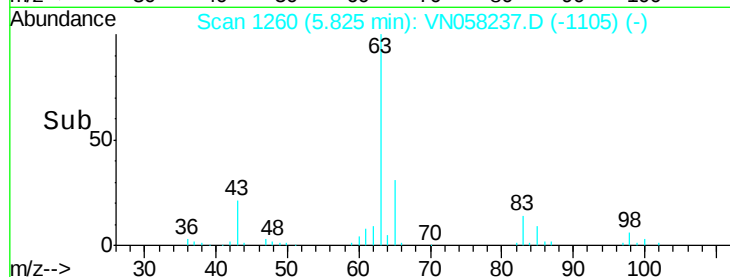
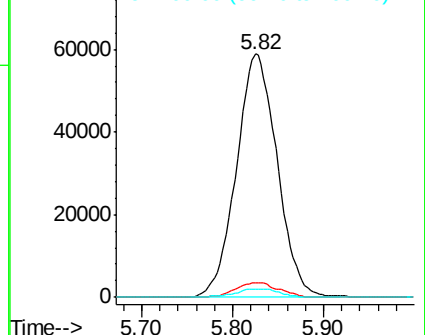
63 100

98 6.0 2.8 8.3

100 3.5 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: 19.773 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

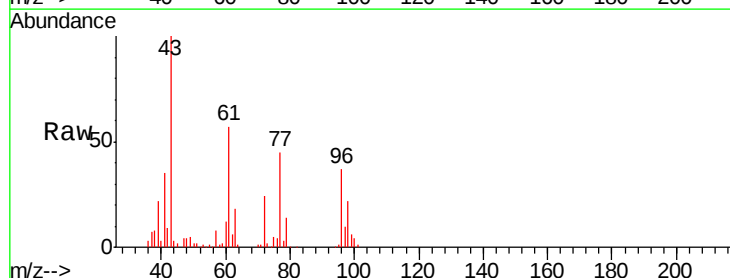
Tgt Ion: 96 Resp: 107076

Ion Ratio Lower Upper

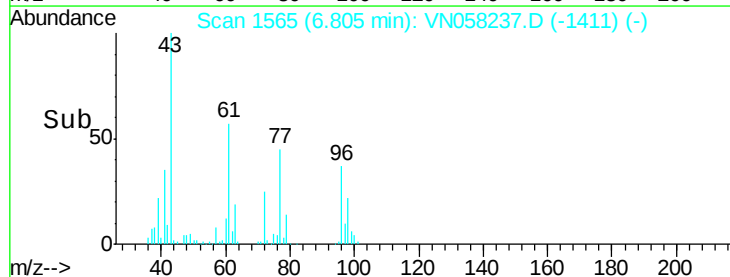
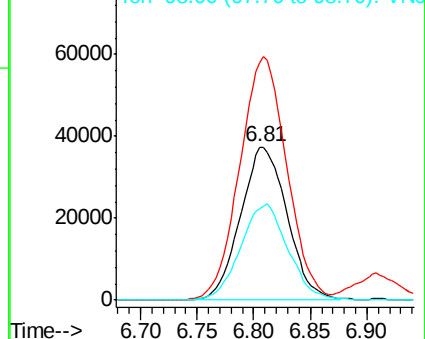
96 100

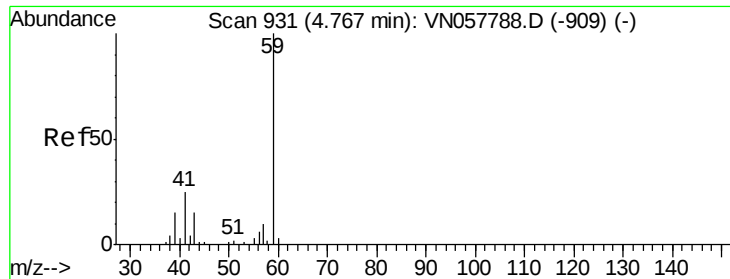
61 160.5 127.4 191.0

98 63.9 51.5 77.3



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

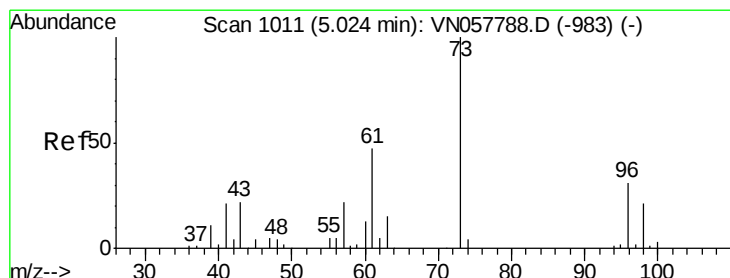
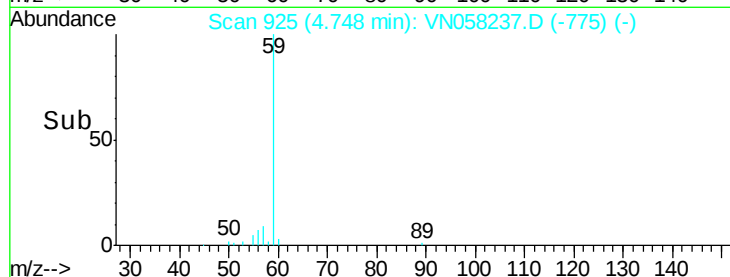
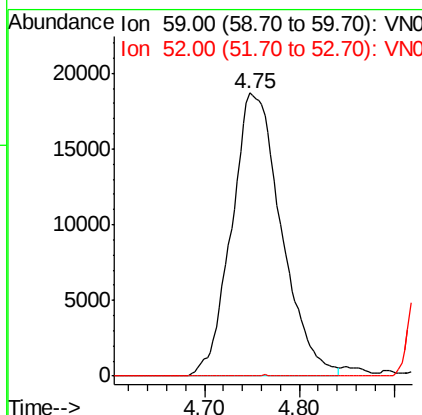
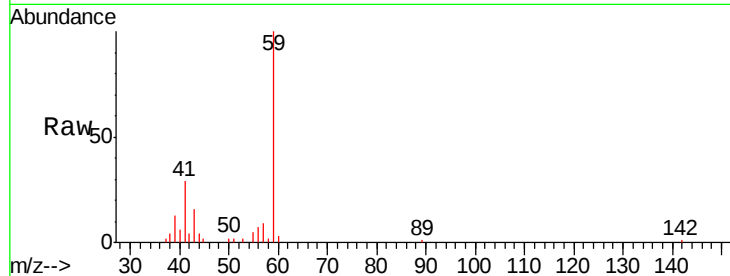




#23
 tert-Butyl Alcohol
 Concen: 94.104 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

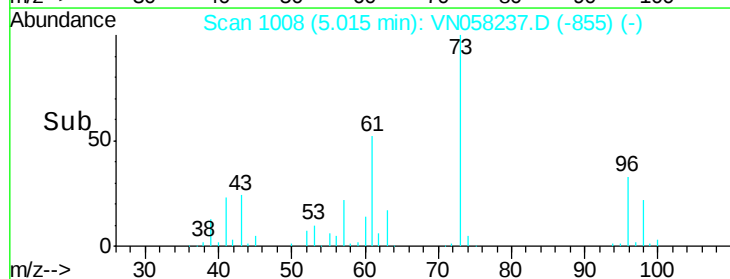
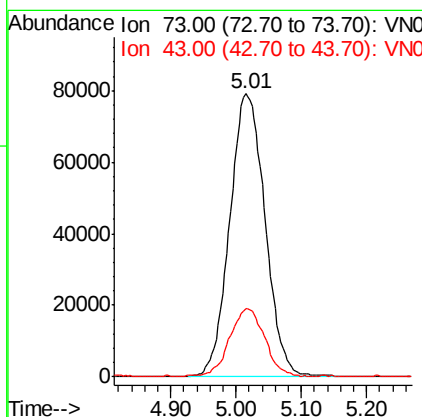
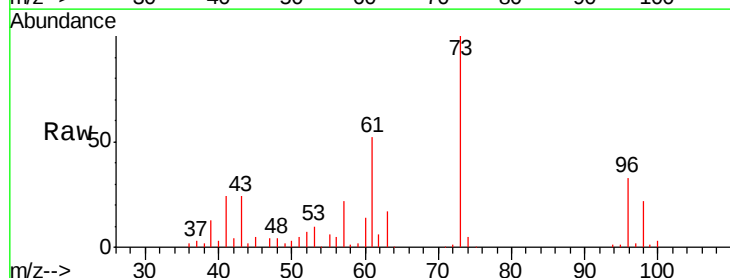
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

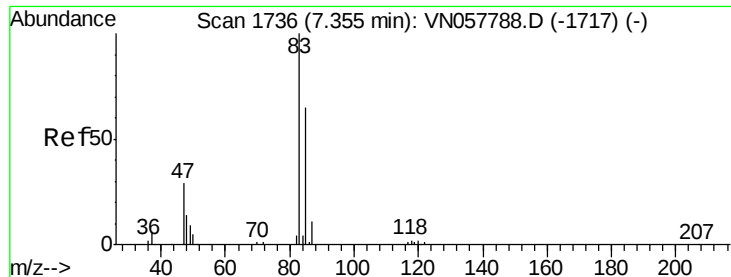
Tgt Ion: 59 Resp: 68155
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#



#24
 Methyl tert-Butyl Ether
 Concen: 19.586 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 73 Resp: 297696
 Ion Ratio Lower Upper
 73 100
 43 23.1 0.0 0.0#

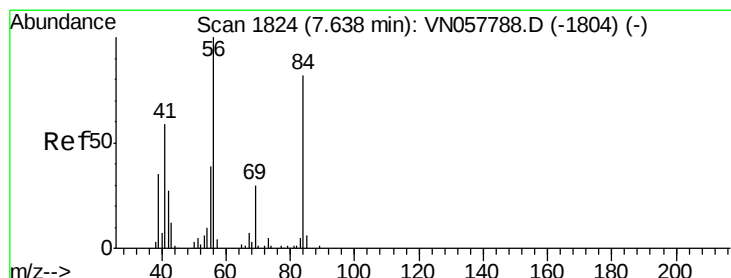
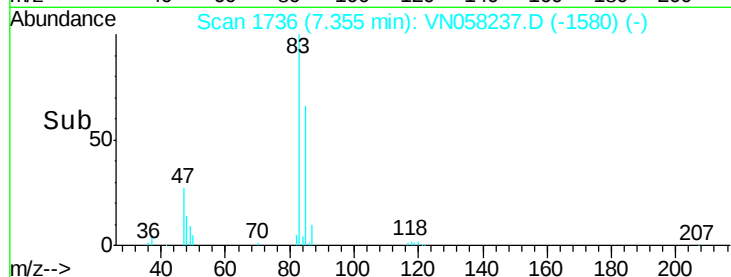
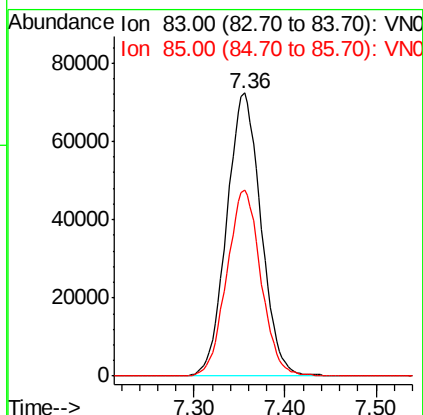
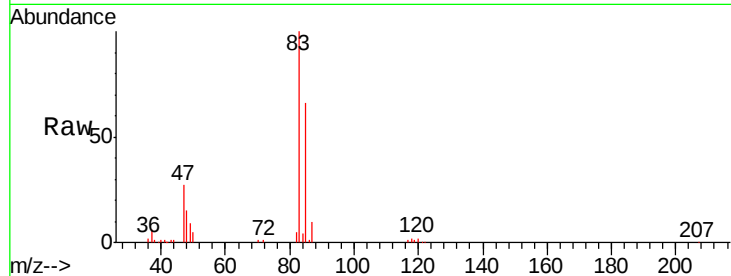




#25
Chloroform
Concen: 19.853 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

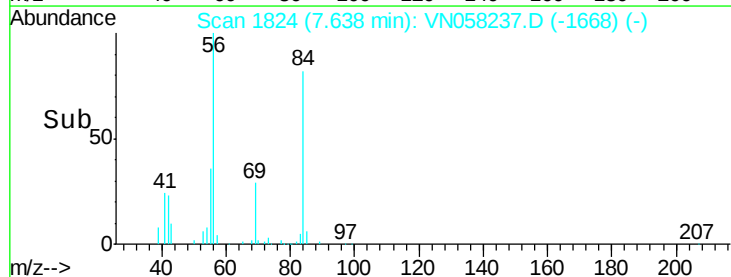
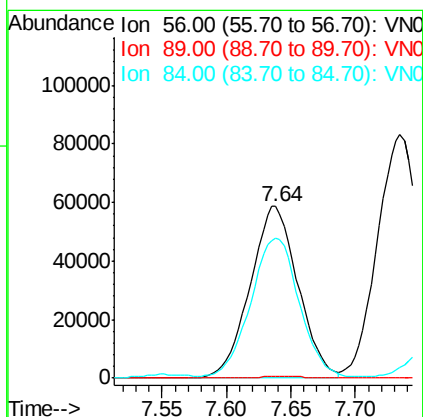
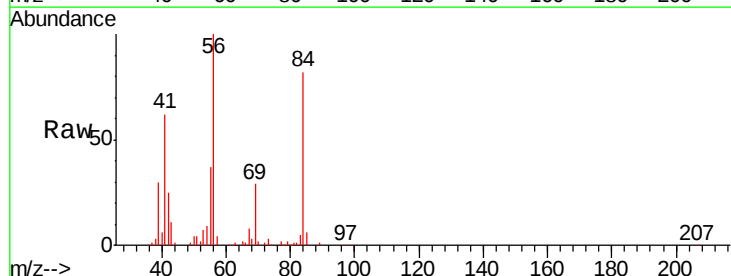
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

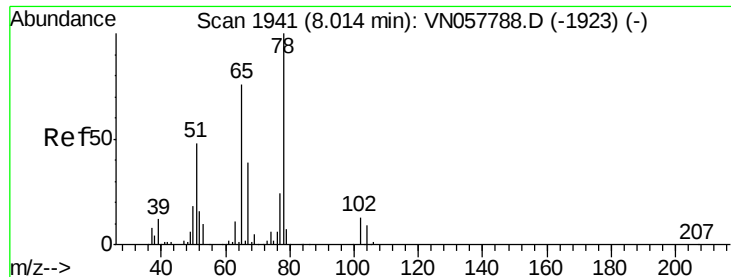
Tgt Ion: 83 Resp: 189325
Ion Ratio Lower Upper
83 100
85 65.7 51.8 77.6



#26
Cyclohexane
Concen: 19.259 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 56 Resp: 151576
Ion Ratio Lower Upper
56 100
89 0.4 0.3 0.5
84 83.8 66.6 100.0

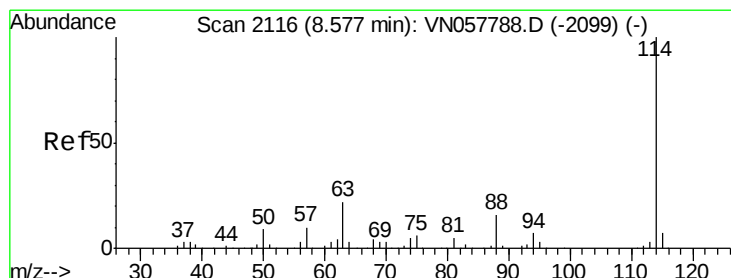
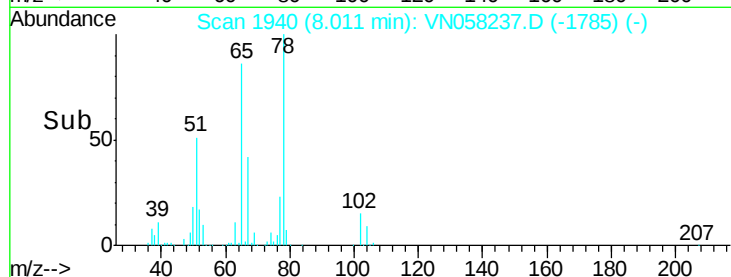
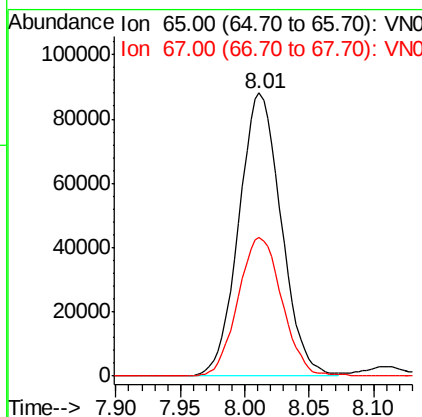
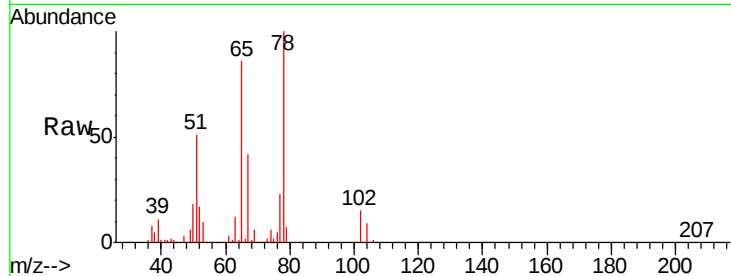




#27
 1,2-Dichloroethane-d4
 Concen: 30.384 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

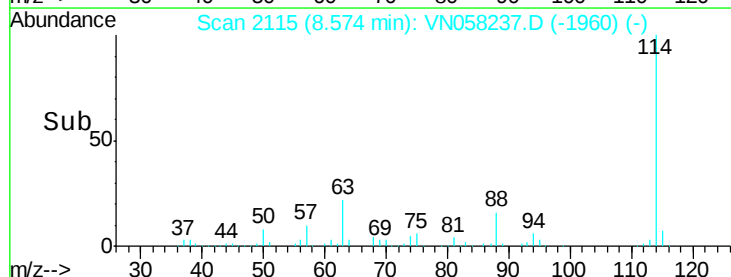
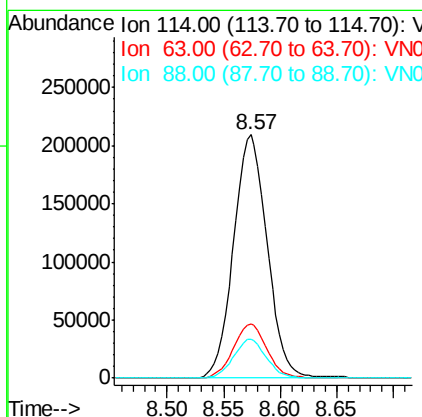
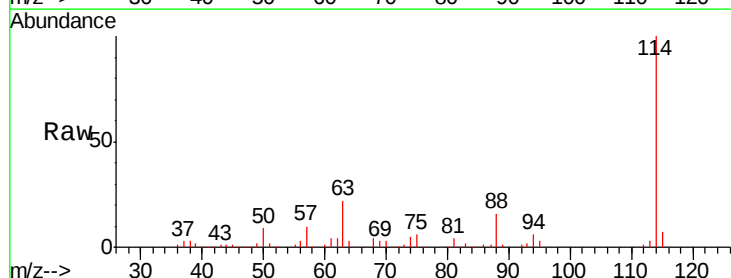
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

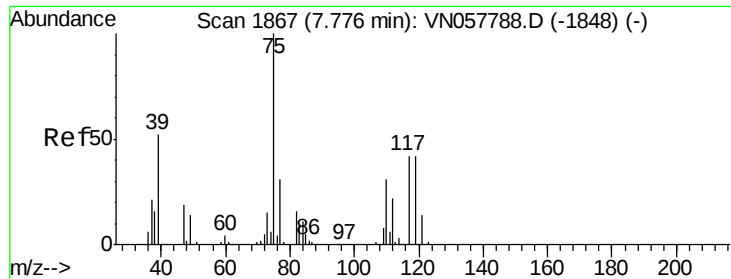
Tgt Ion: 65 Resp: 201564
 Ion Ratio Lower Upper
 65 100
 67 51.0 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 114 Resp: 434628
 Ion Ratio Lower Upper
 114 100
 63 22.2 18.0 27.0
 88 15.7 12.6 19.0

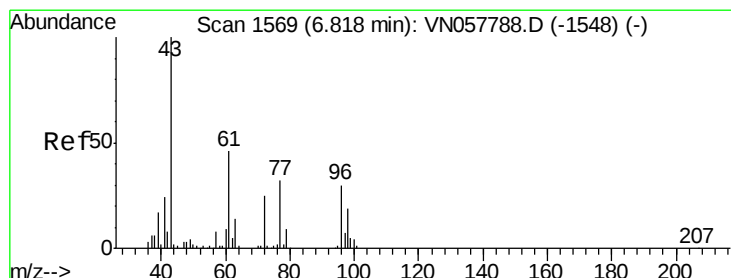
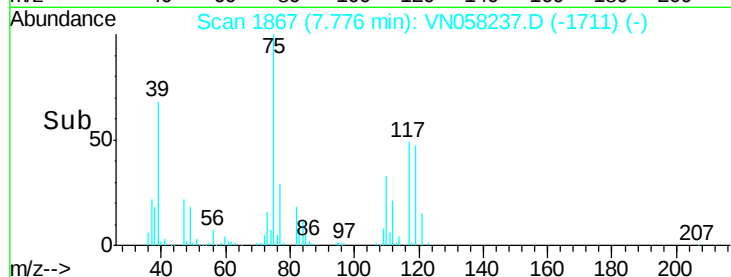
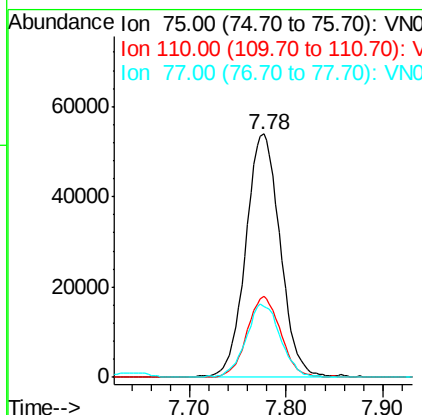
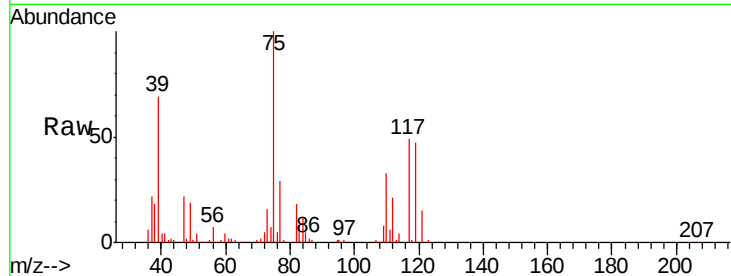




#29
 1,1-Dichloropropene
 Concen: 19.530 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

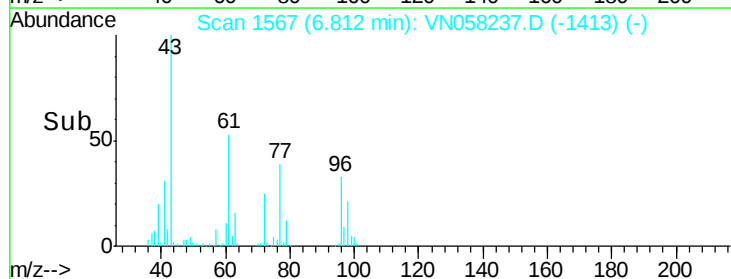
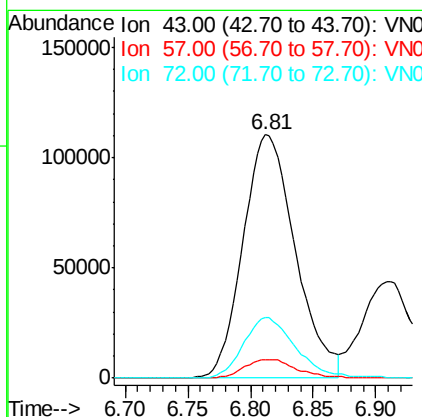
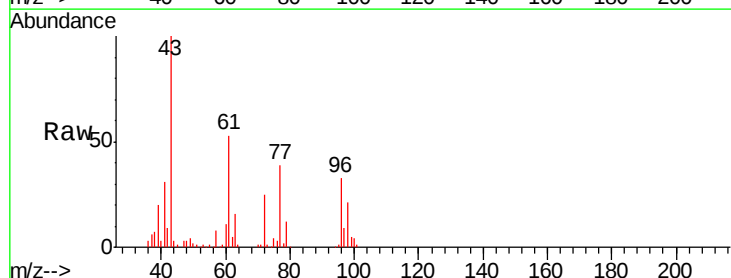
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

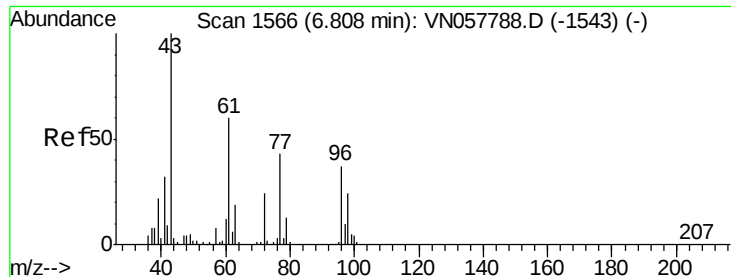
Tgt Ion: 75 Resp: 133529
 Ion Ratio Lower Upper
 75 100
 110 32.3 0.0 63.8
 77 30.1 0.0 60.0



#30
 2-Butanone
 Concen: 103.269 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 43 Resp: 318368
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.4 9.6
 72 25.0 20.3 30.5





#31

2,2-Dichloropropane

Concen: 20.004 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

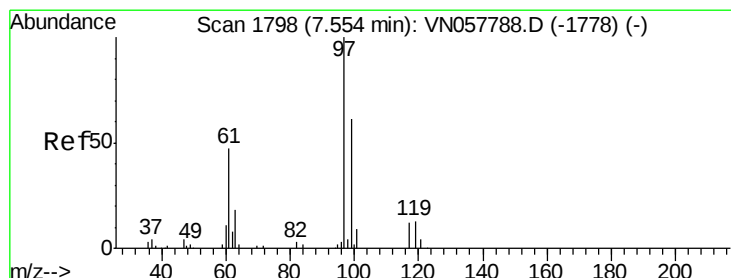
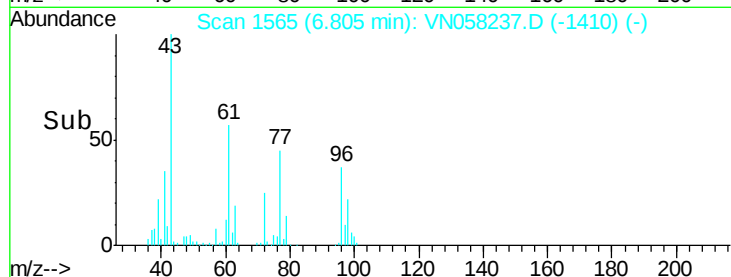
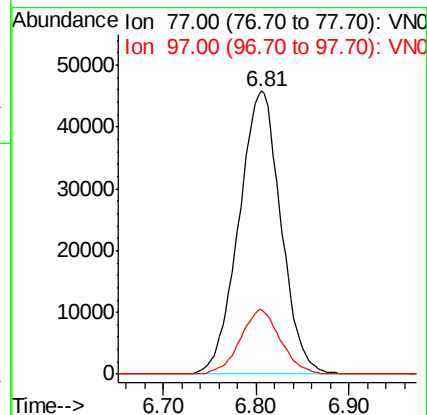
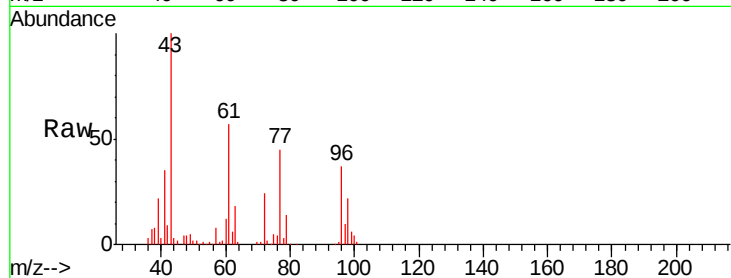
VN0920WBS01

Tgt Ion: 77 Resp: 144400

Ion Ratio Lower Upper

77 100

97 21.8 17.7 26.5



#32

1,1,1-Trichloroethane

Concen: 20.140 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

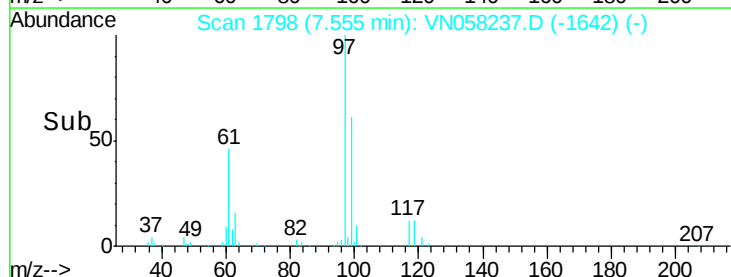
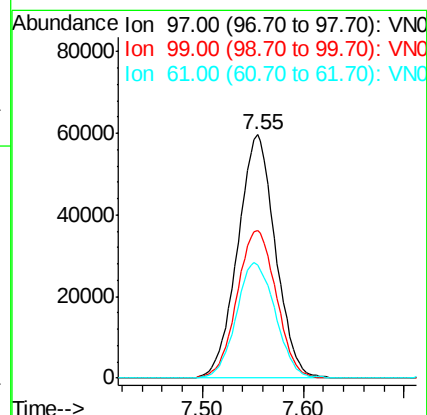
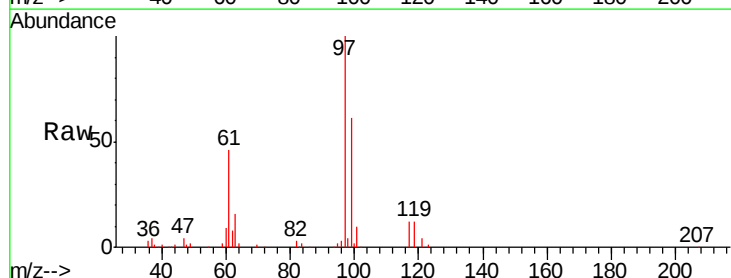
Tgt Ion: 97 Resp: 154823

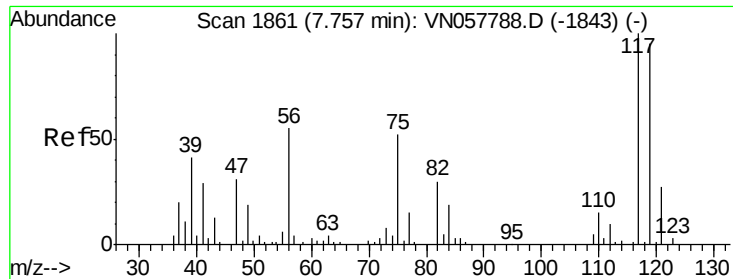
Ion Ratio Lower Upper

97 100

99 63.1 49.8 74.8

61 49.0 38.7 58.1

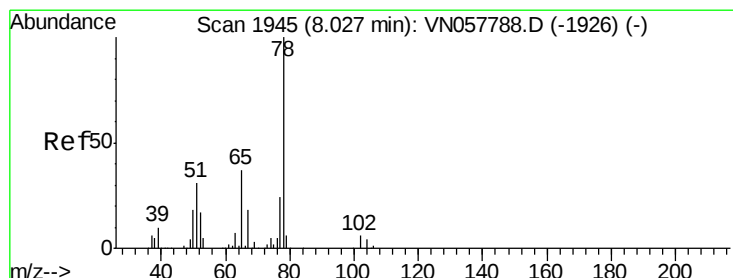
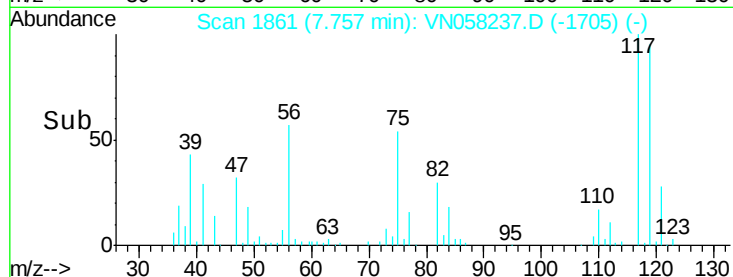
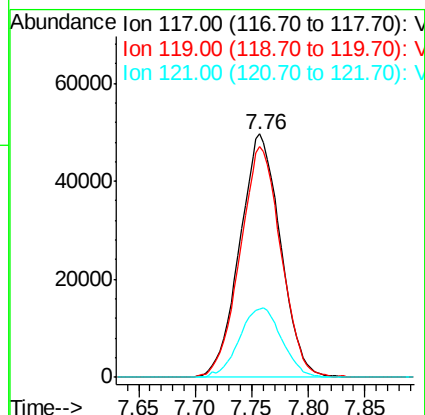
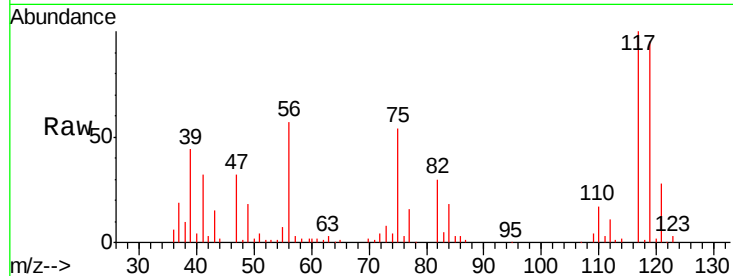




#33
Carbon Tetrachloride
Concen: 19.828 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

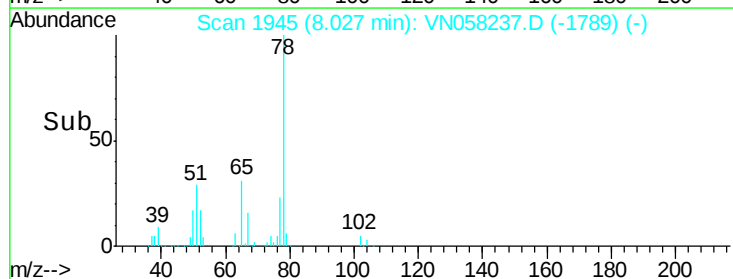
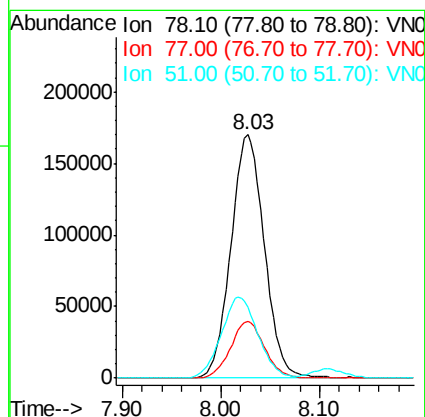
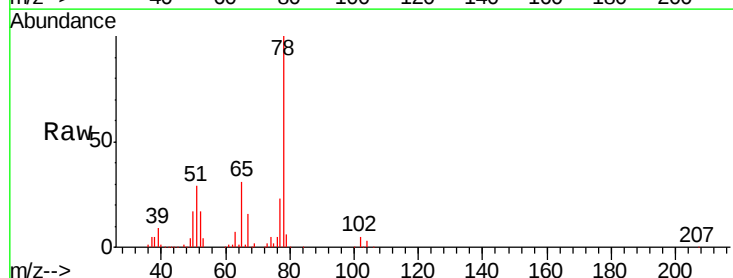
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

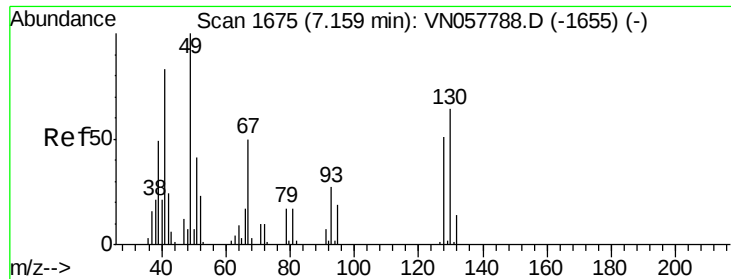
Tgt Ion: 117 Resp: 124343
Ion Ratio Lower Upper
117 100
119 94.8 75.7 113.5
121 28.1 21.7 32.5



#34
Benzene
Concen: 19.804 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 78 Resp: 401214
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8
51 28.7 24.9 37.3

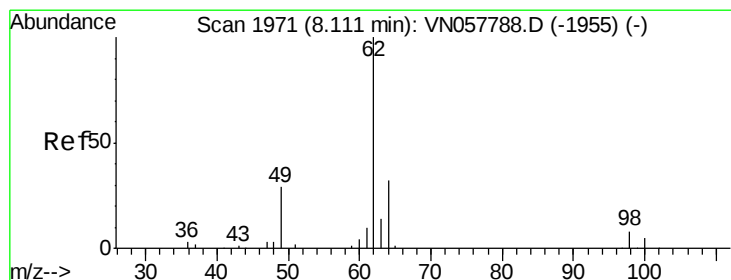
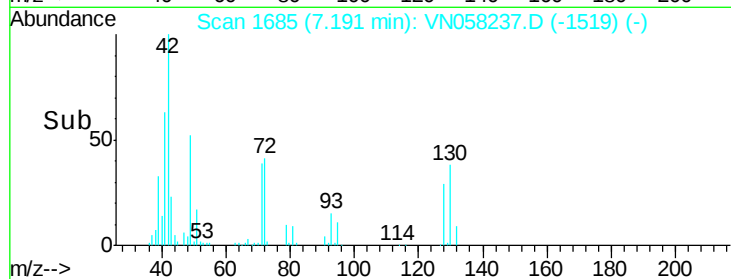
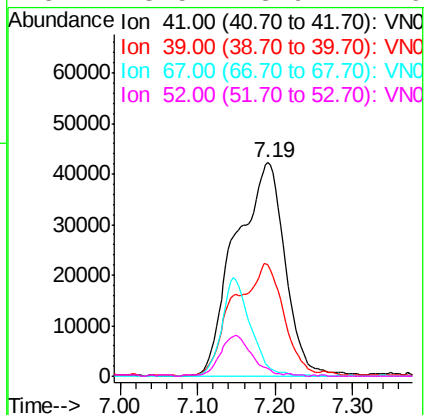
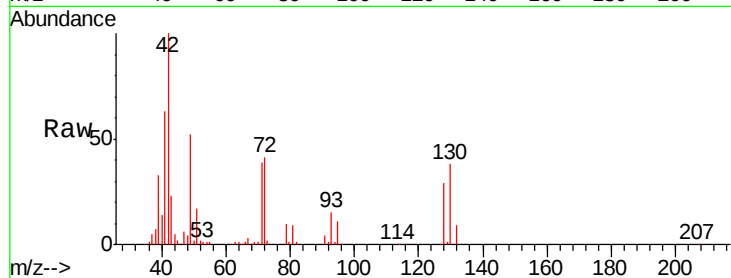




#35
Methacrylonitrile
Concen: 65.954 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

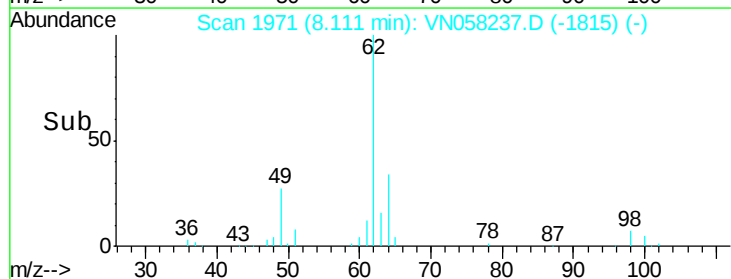
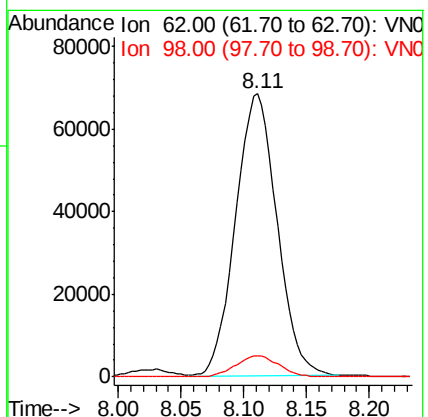
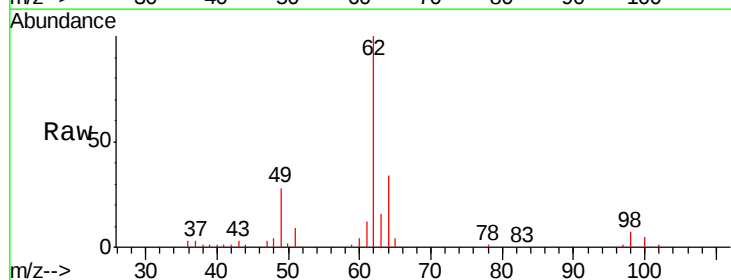
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

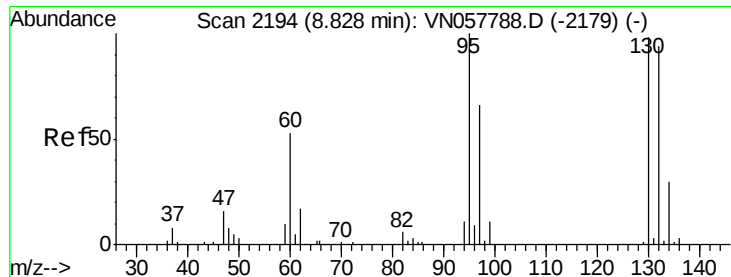
Tgt Ion: 41 Resp: 188591
Ion Ratio Lower Upper
41 100
39 51.7 29.8 89.5
67 4.6 30.0 90.1#
52 3.5 13.9 41.6#



#36
1,2-Dichloroethane
Concen: 20.028 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 62 Resp: 157451
Ion Ratio Lower Upper
62 100
98 7.7 6.6 9.8

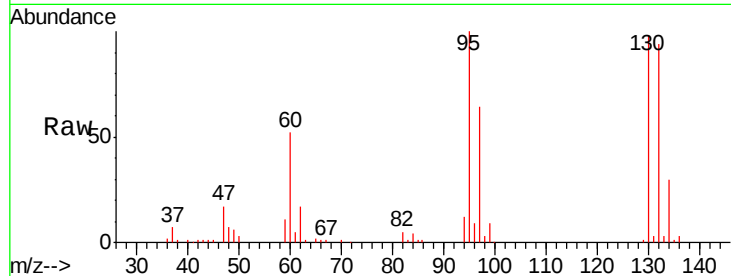




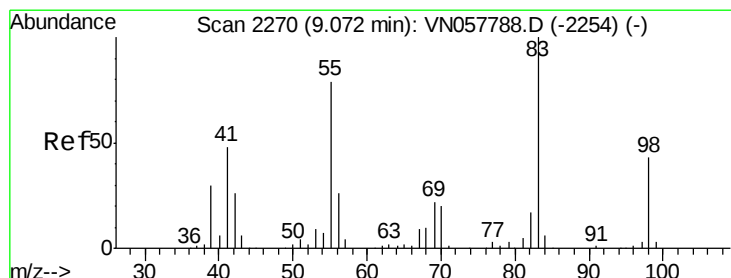
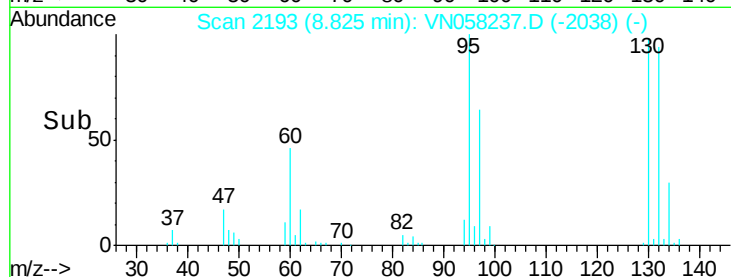
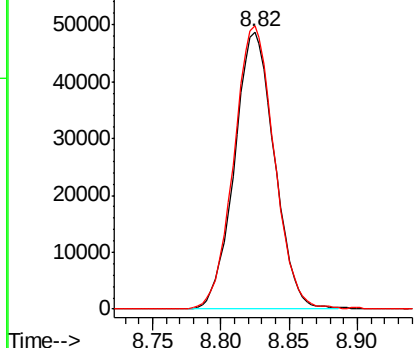
#37
 Trichloroethene
 Concen: 20.148 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBS01

Tgt Ion: 130 Resp: 99142
 Ion Ratio Lower Upper
 130 100
 95 102.2 81.9 122.9

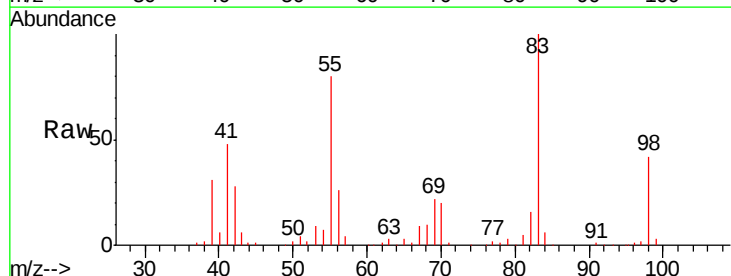


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

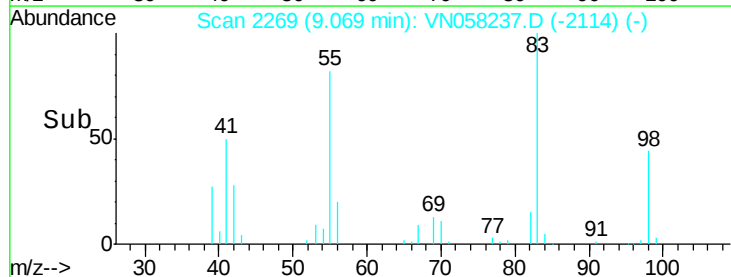
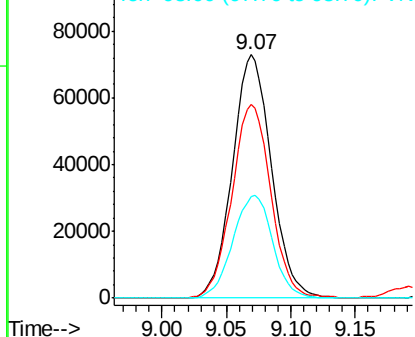


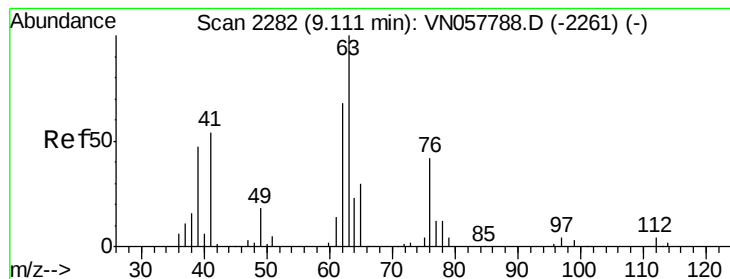
#38
 Methylcyclohexane
 Concen: 19.654 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 83 Resp: 153013
 Ion Ratio Lower Upper
 83 100
 55 79.7 39.6 118.7
 98 43.2 21.8 65.4



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





#39

1,2-Dichloropropane

Concen: 20.443 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

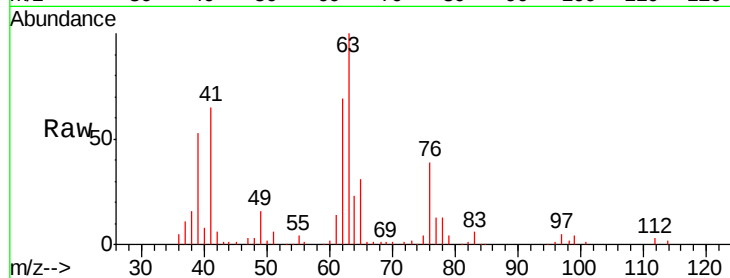
VN0920WBS01

Tgt Ion: 63 Resp: 116309

Ion Ratio Lower Upper

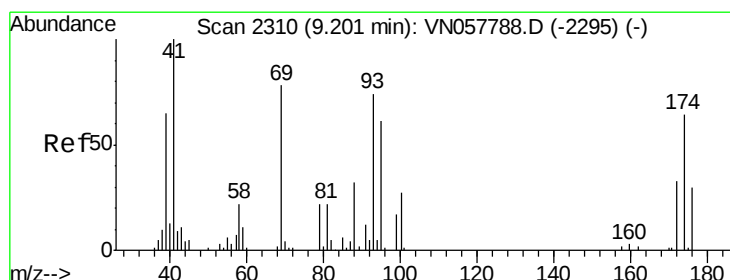
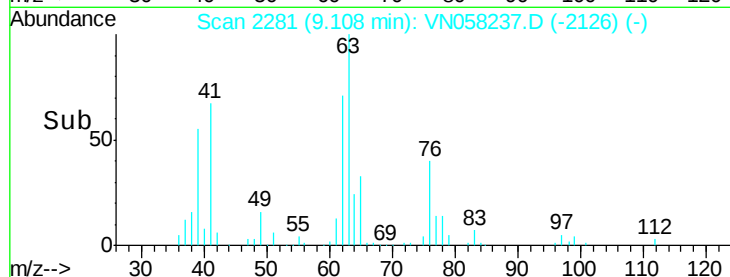
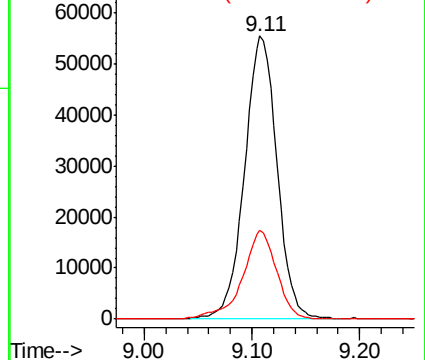
63 100

65 31.4 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.192 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

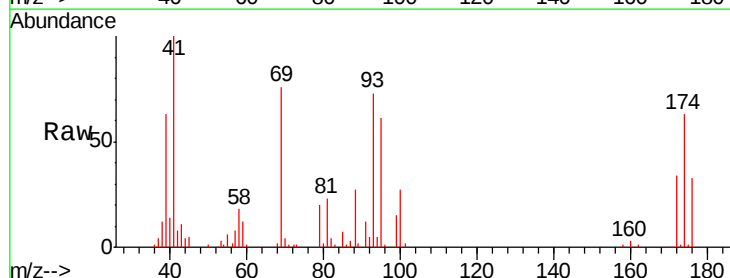
Tgt Ion: 93 Resp: 69872

Ion Ratio Lower Upper

93 100

95 82.5 0.0 163.0

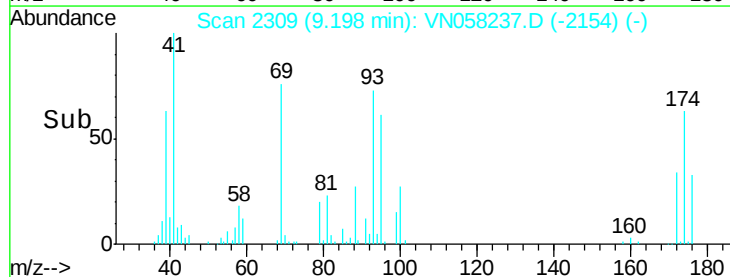
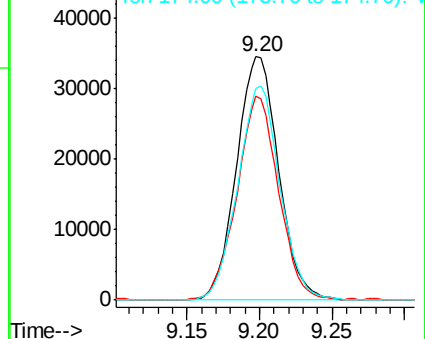
174 88.1 0.0 171.4

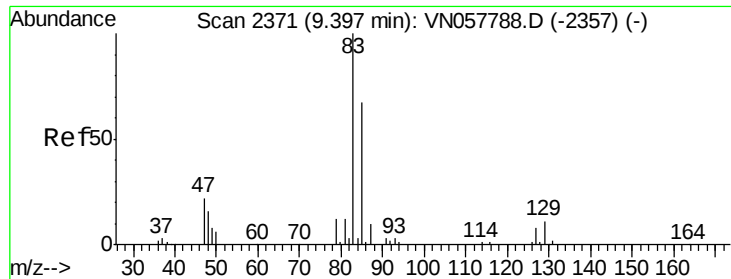


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.533 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

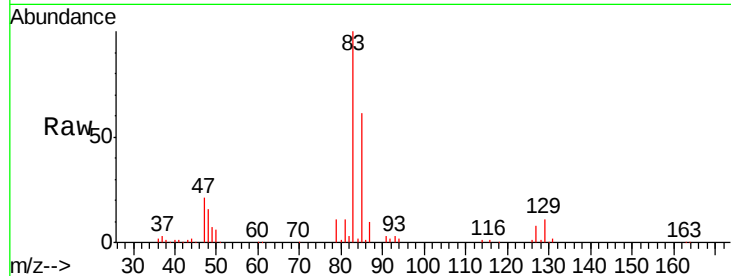
Tgt Ion: 83 Resp: 136268

Ion Ratio Lower Upper

83 100

85 61.5 53.4 80.0

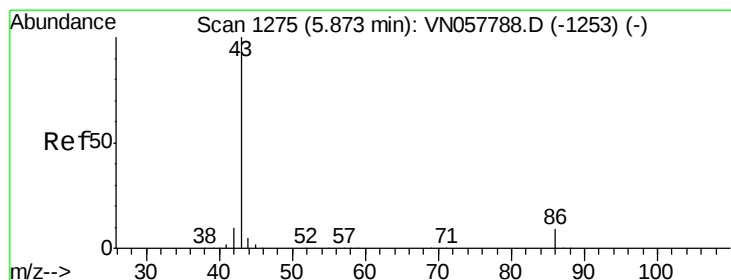
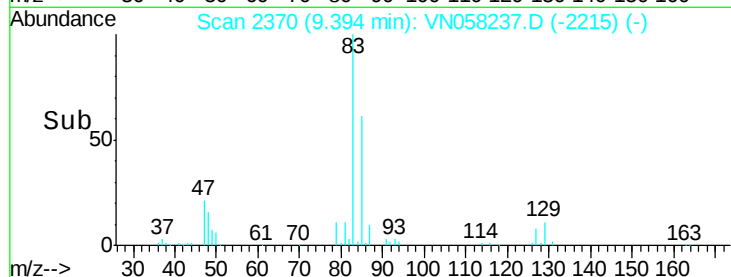
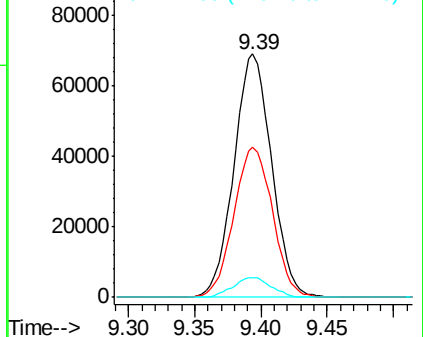
127 8.1 6.6 10.0



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: 105.490 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058237.D

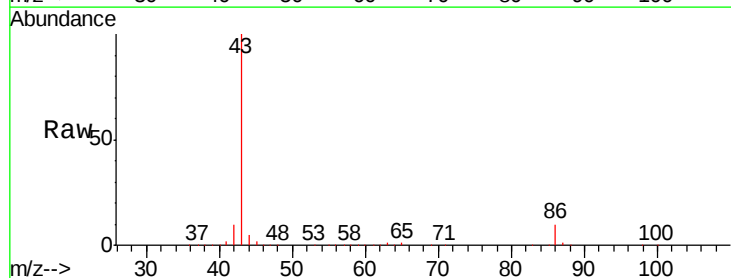
Acq: 20 Sep 2019 10:14

Tgt Ion: 43 Resp: 1307078

Ion Ratio Lower Upper

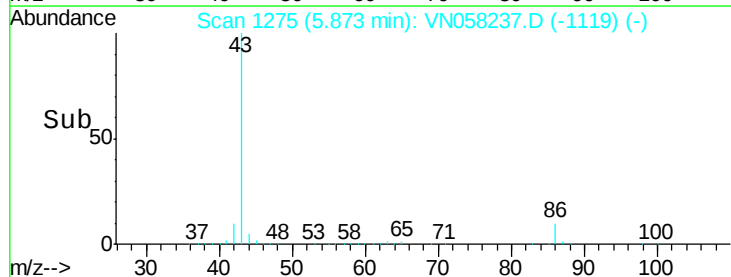
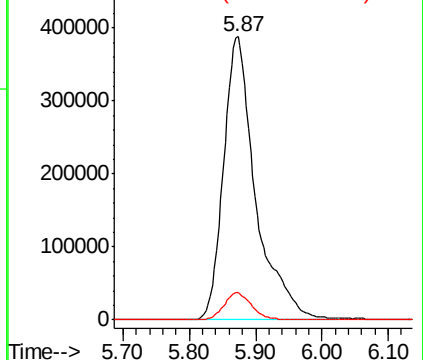
43 100

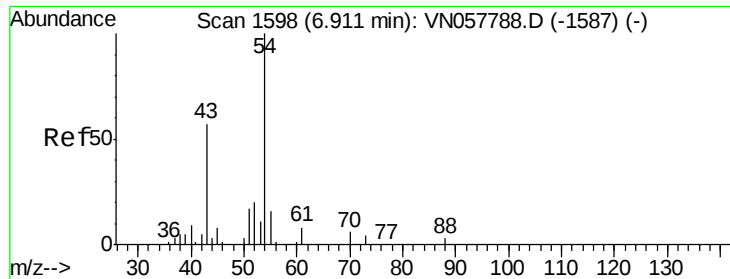
86 8.2 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

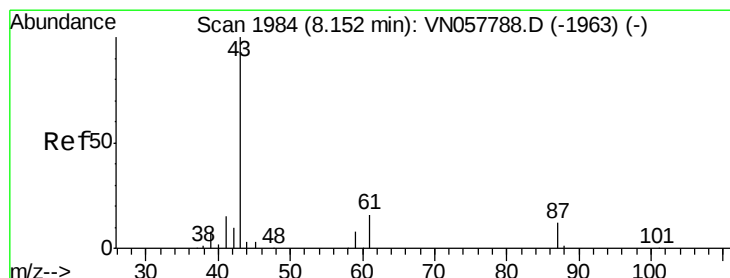
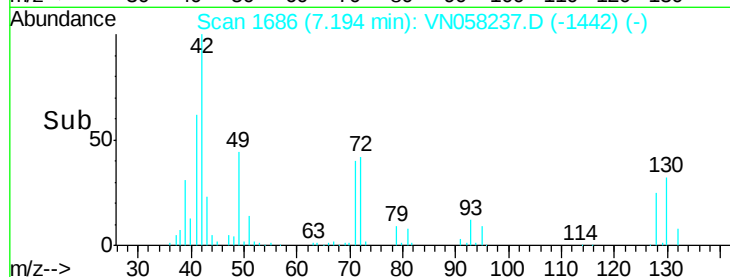
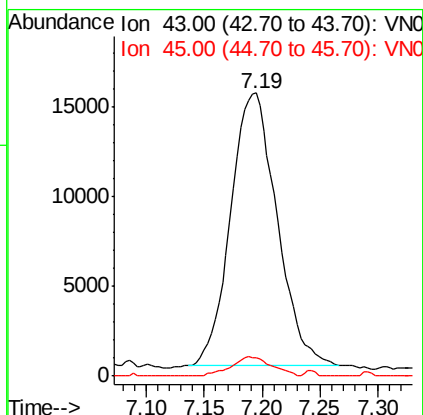
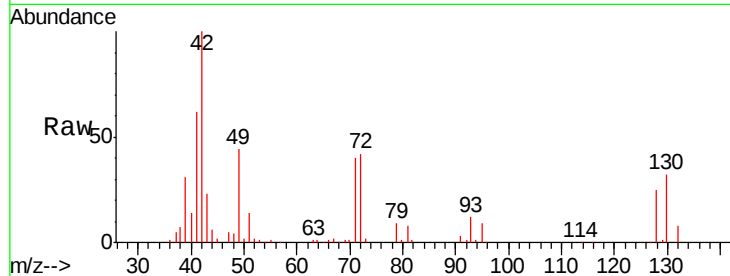




#43
Ethyl Acetate
Concen: 6.725 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.28 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

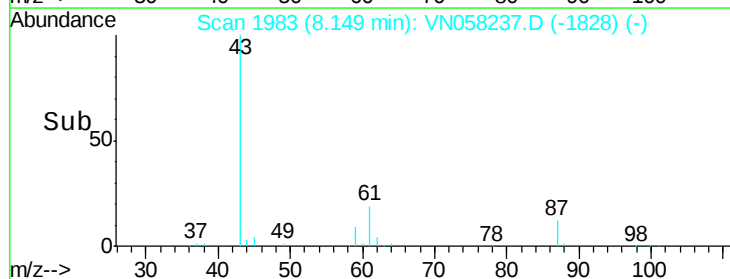
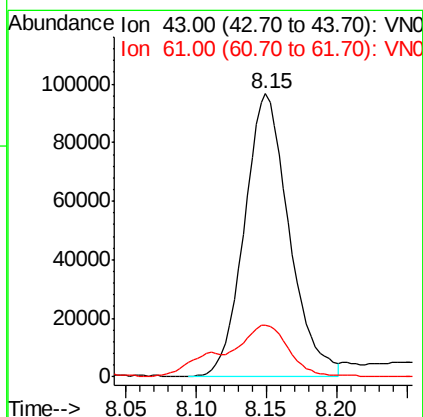
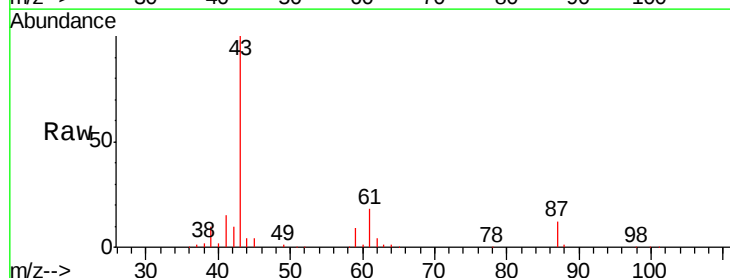
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

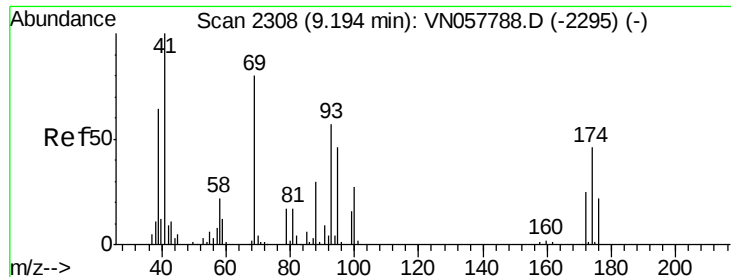
Tgt Ion: 43 Resp: 42298
Ion Ratio Lower Upper
43 100
45 6.2 5.4 8.0



#44
Isopropyl Acetate
Concen: 19.426 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 43 Resp: 213042
Ion Ratio Lower Upper
43 100
61 18.4 0.1 0.1#

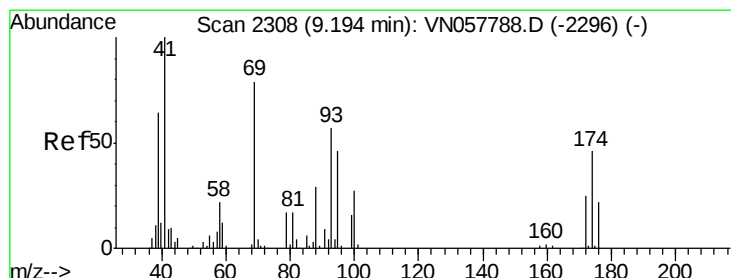
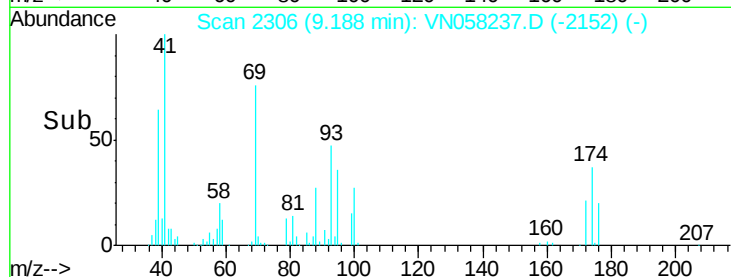
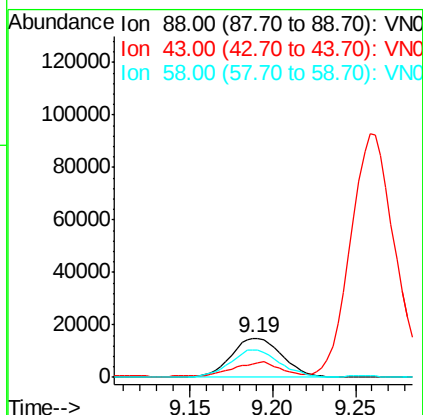
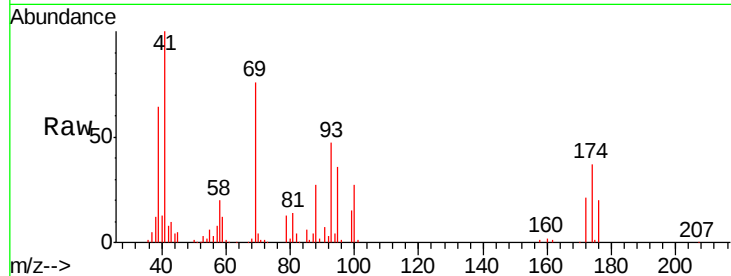




#45
 1,4-Dioxane
 Concen: 370.824 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

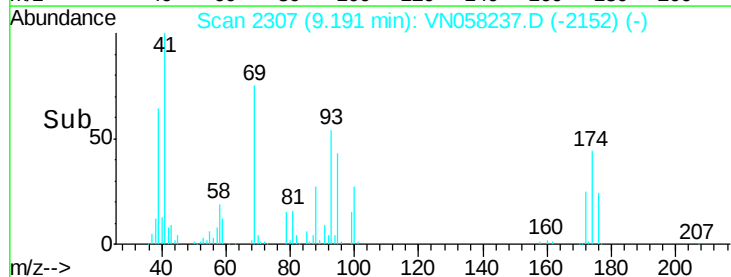
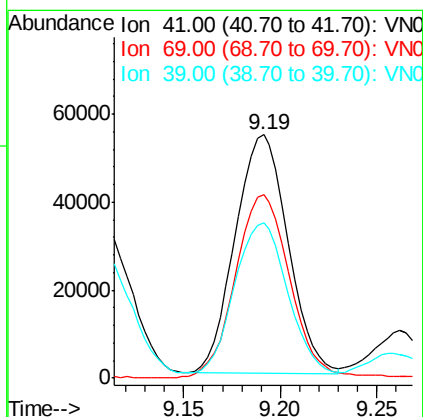
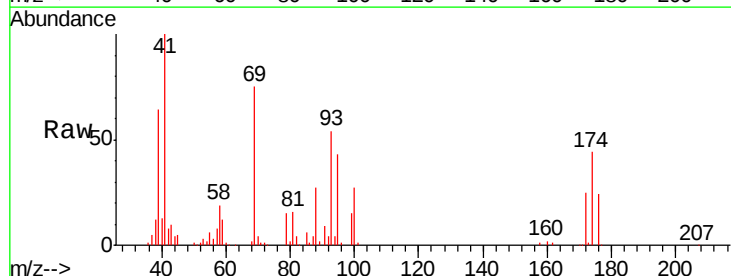
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

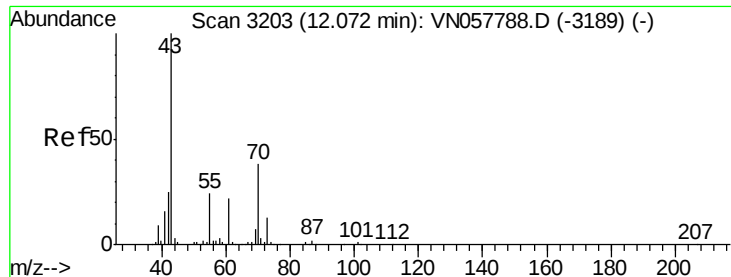
Tgt Ion: 88 Resp: 31956
 Ion Ratio Lower Upper
 88 100
 43 31.1 28.2 42.4
 58 68.2 58.5 87.7



#46
 Methyl methacrylate
 Concen: 19.227 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 41 Resp: 103002
 Ion Ratio Lower Upper
 41 100
 69 76.2 39.6 119.0
 39 63.1 31.9 95.7

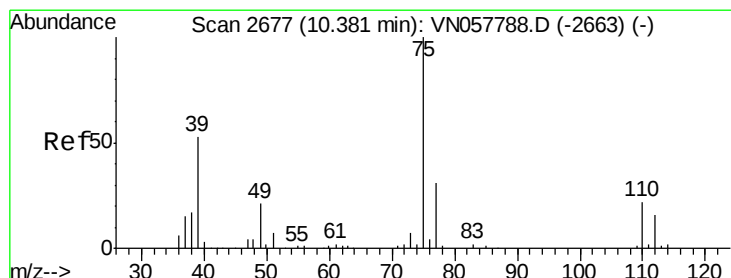
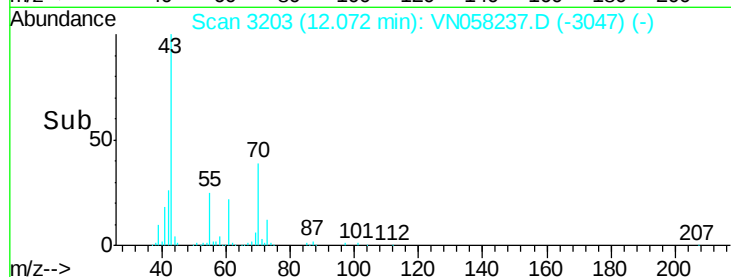
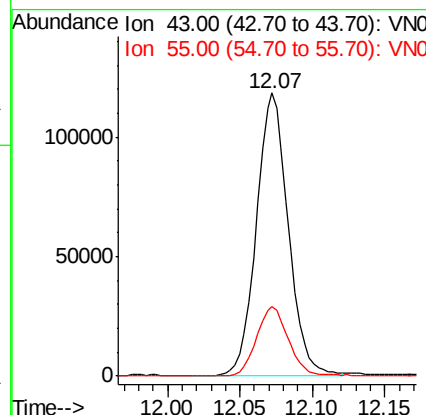
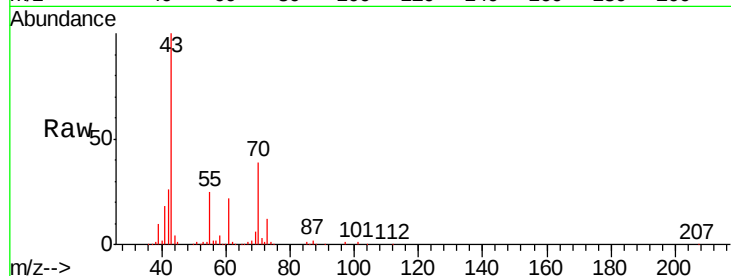




#47
n-amyl Acetate
Concen: 17.894 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

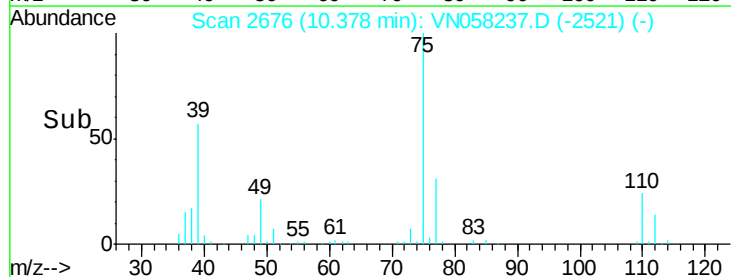
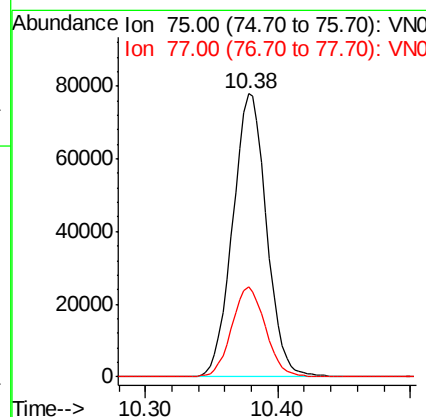
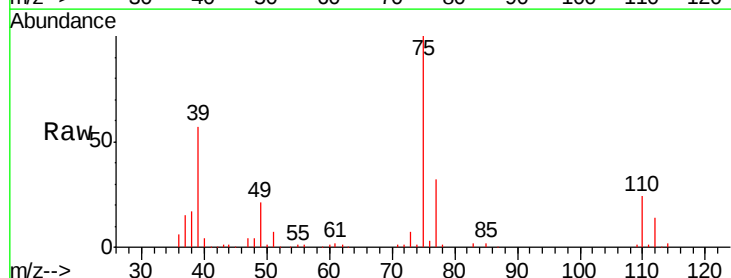
Instrument :
MSVOA_N
ClientSampled :
VN0920WBS01

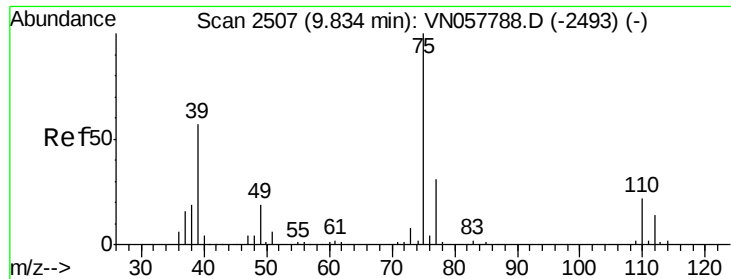
Tgt Ion: 43 Resp: 180266
Ion Ratio Lower Upper
43 100
55 24.8 18.3 27.5



#48
t-1,3-Dichloropropene
Concen: 18.580 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 75 Resp: 137999
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3



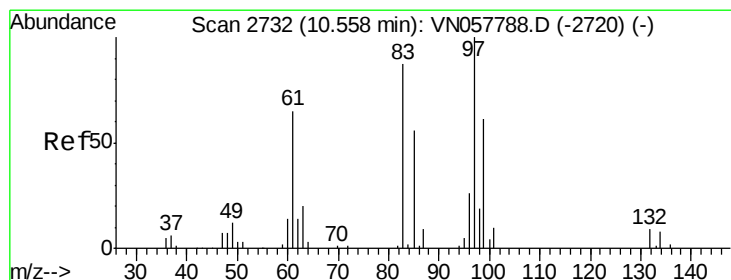
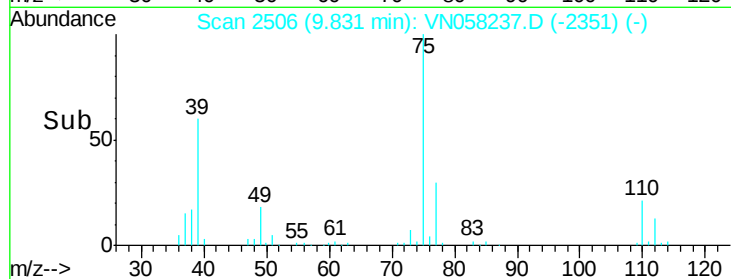
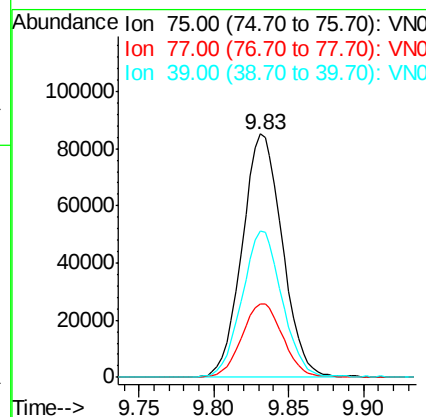
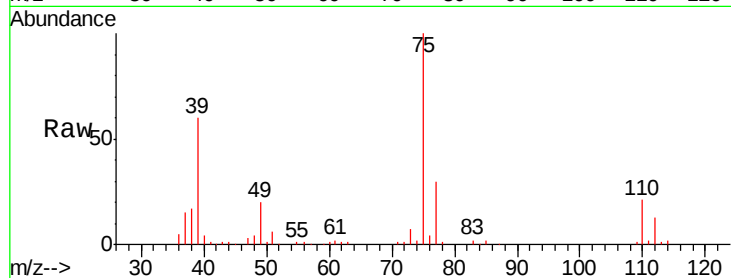


#49

cis-1,3-Dichloropropene
 Concen: 19.054 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

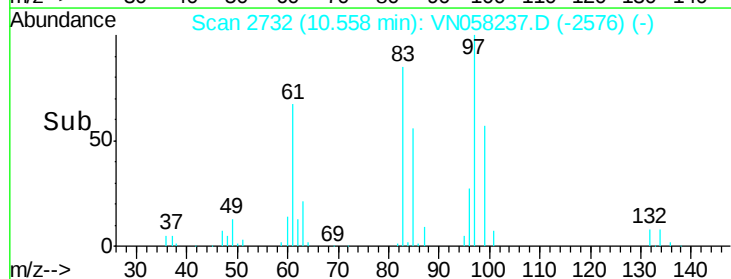
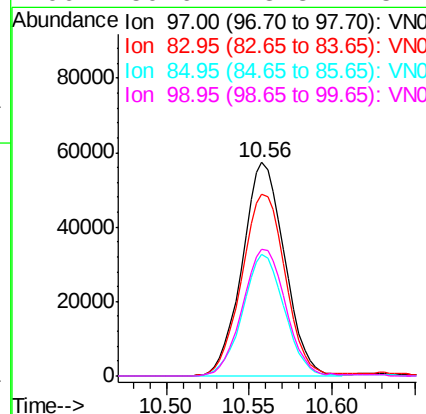
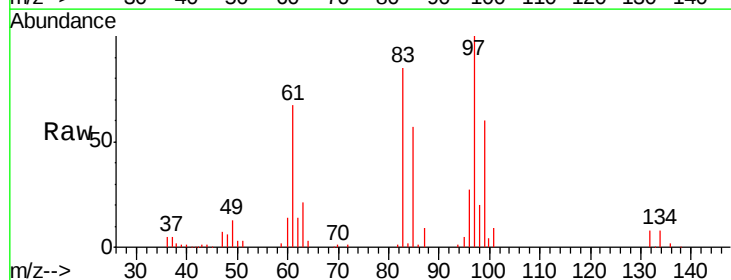
Tgt Ion: 75 Resp: 158783
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.6 36.8
 39 60.2 45.8 68.8

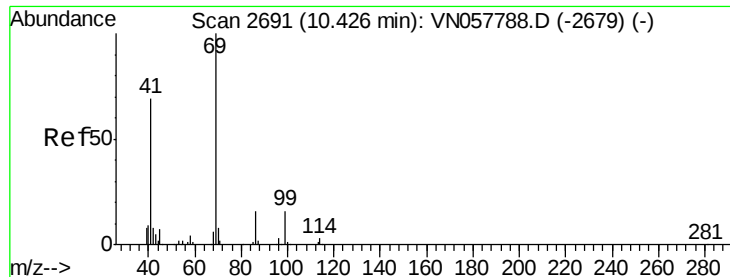


#50

1,1,2-Trichloroethane
 Concen: 20.354 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 97 Resp: 102164
 Ion Ratio Lower Upper
 97 100
 83 85.3 69.4 104.2
 85 56.8 45.0 67.6
 99 59.6 48.8 73.2





#51

Ethyl methacrylate

Concen: 19.004 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0920WBS01

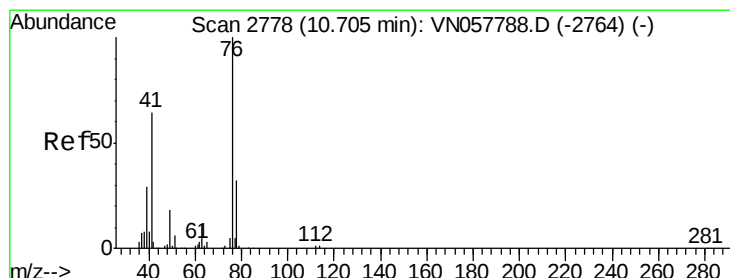
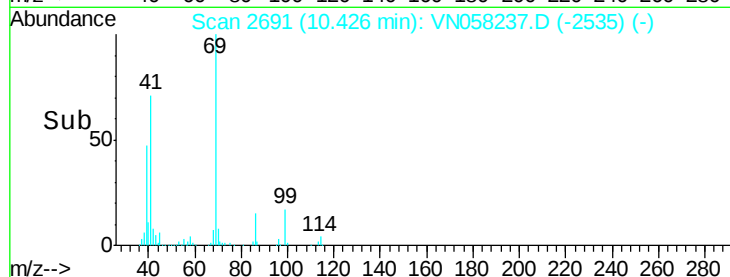
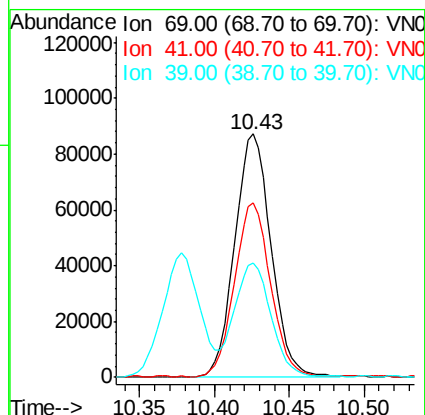
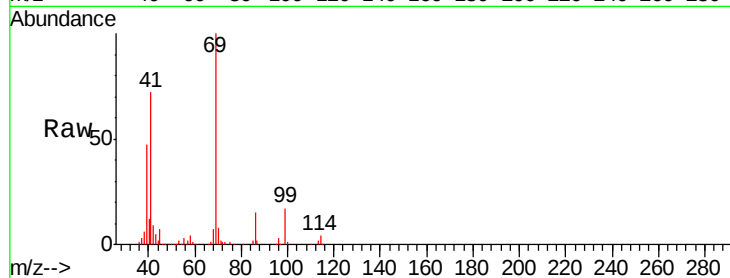
Tgt Ion: 69 Resp: 147909

Ion Ratio Lower Upper

69 100

41 71.3 34.5 103.5

39 46.6 22.4 67.3



#52

1,3-Dichloropropane

Concen: 20.113 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058237.D

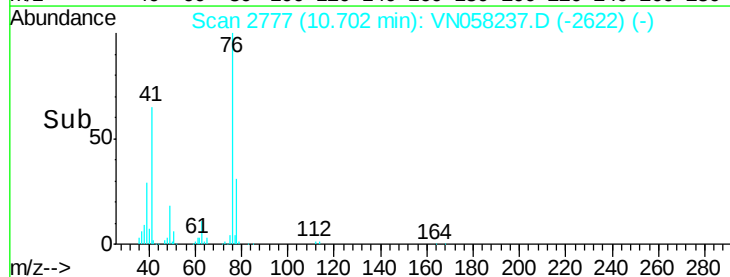
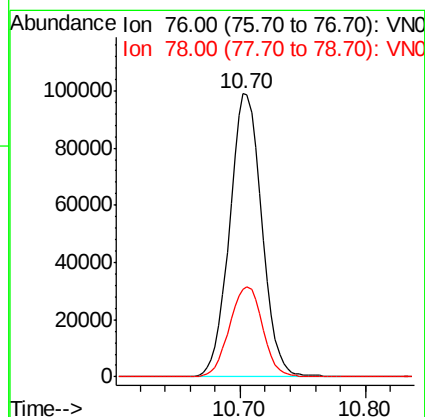
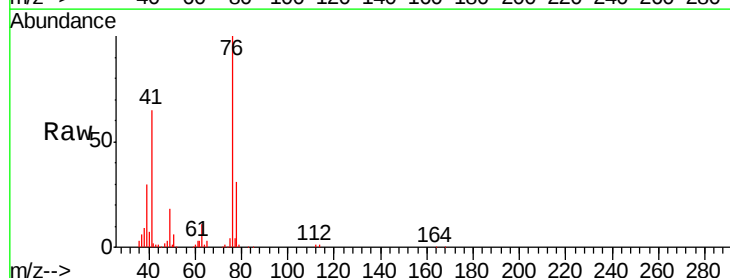
Acq: 20 Sep 2019 10:14

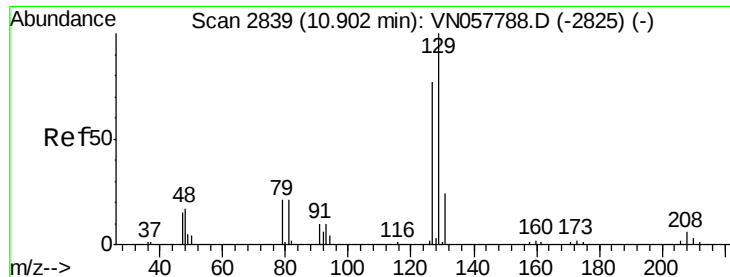
Tgt Ion: 76 Resp: 176554

Ion Ratio Lower Upper

76 100

78 32.9 0.0 63.8

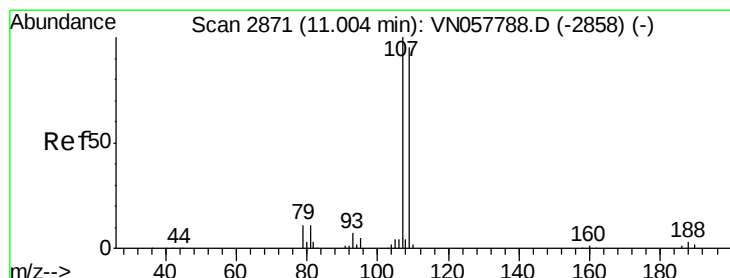
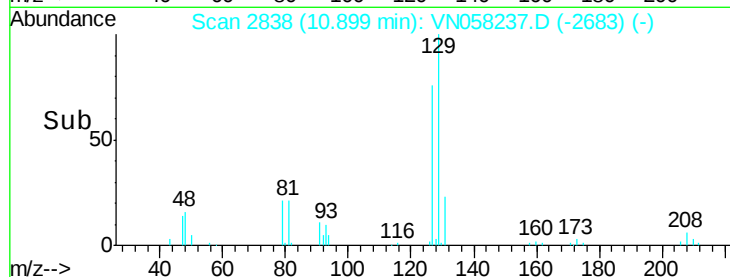
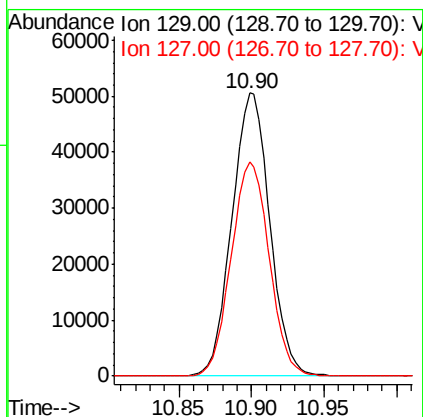
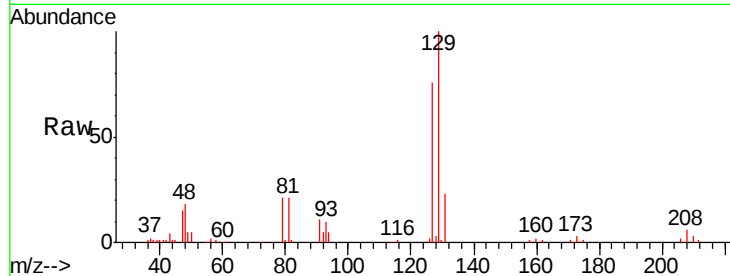




#53
 Dibromochloromethane
 Concen: 18.492 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

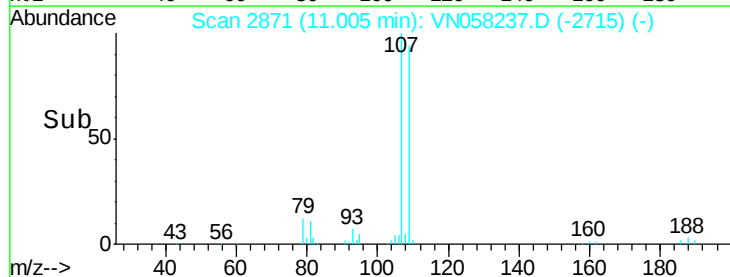
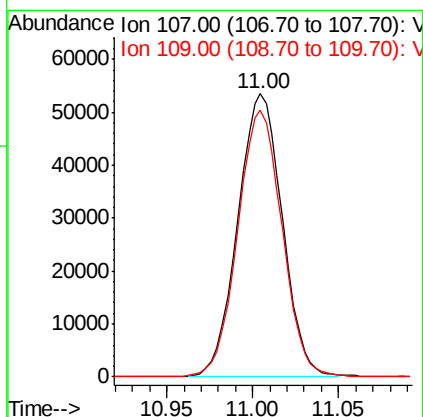
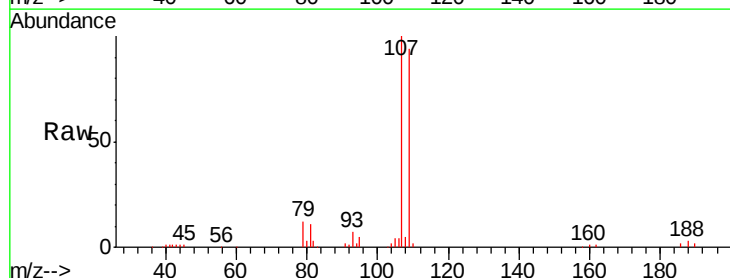
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

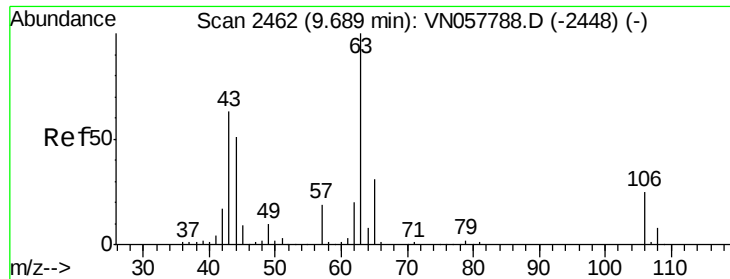
Tgt Ion:129 Resp: 91668
 Ion Ratio Lower Upper
 129 100
 127 76.3 38.8 116.3



#54
 1,2-Dibromoethane
 Concen: 19.227 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion:107 Resp: 96021
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0

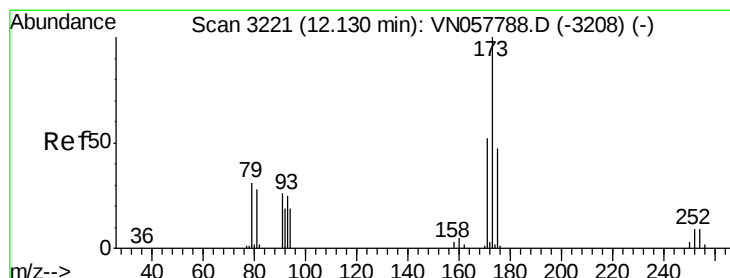
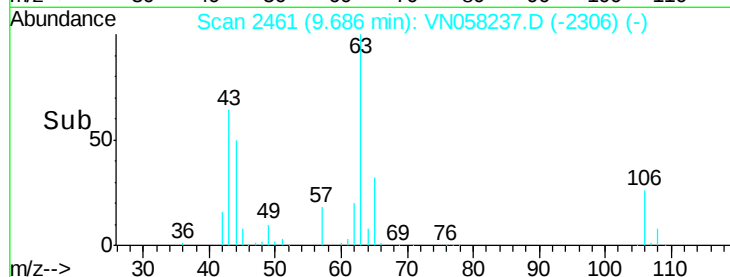
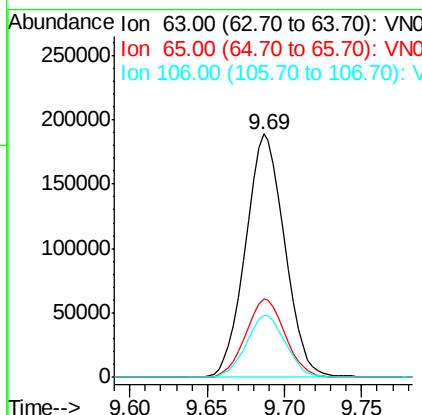
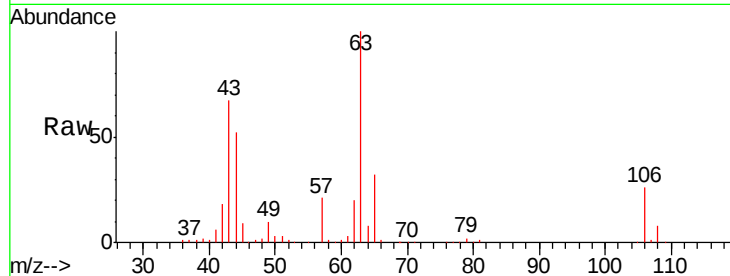




#55
 2-Chloroethyl vinyl ether
 Concen: 89.970 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

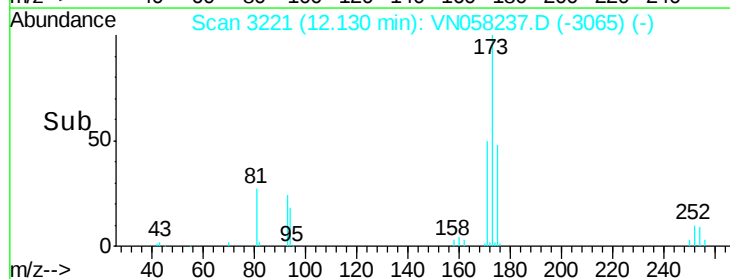
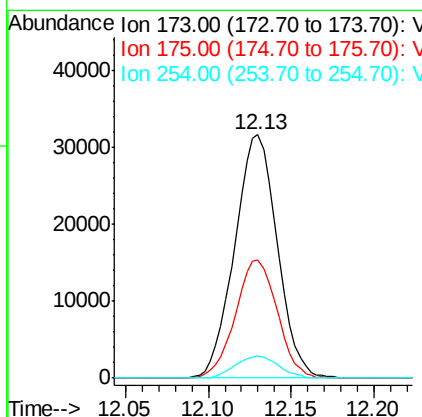
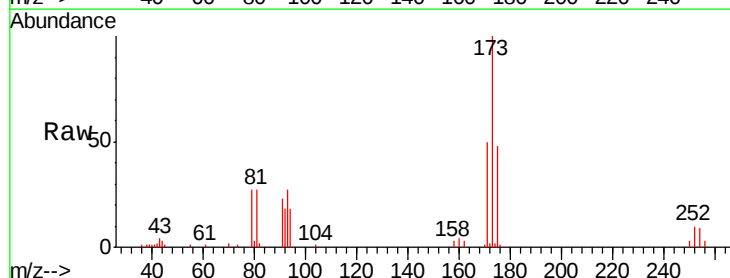
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

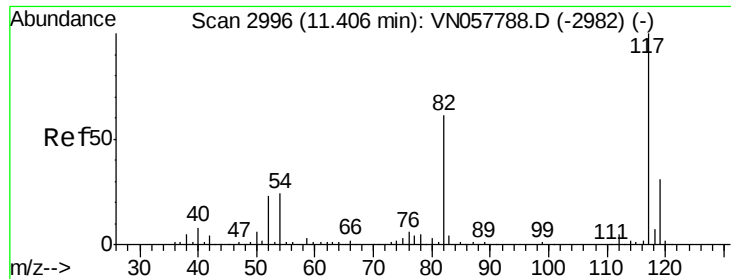
Tgt Ion: 63 Resp: 332729
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.0 37.6
 106 25.7 19.8 29.8



#56
 Bromoform
 Concen: 18.409 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 173 Resp: 56532
 Ion Ratio Lower Upper
 173 100
 175 47.4 38.4 57.6
 254 9.1 6.9 10.3

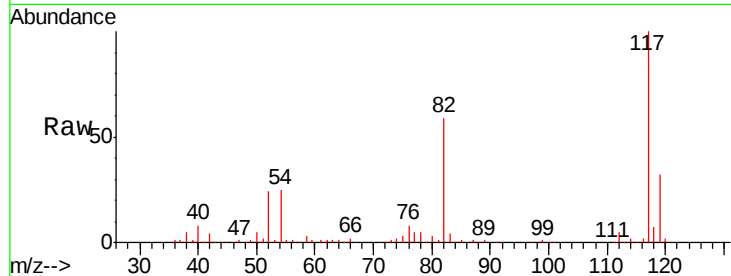




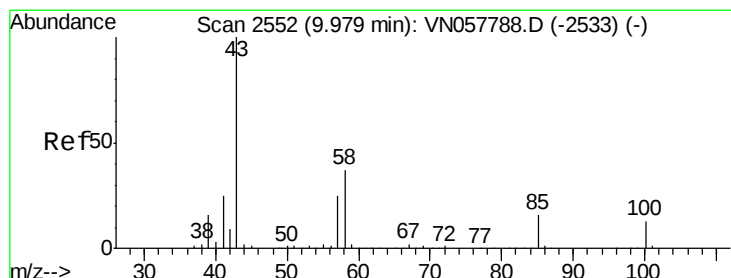
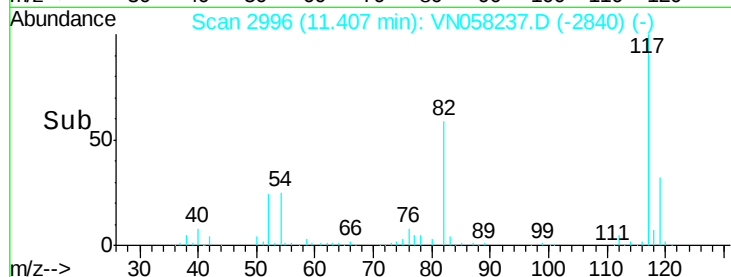
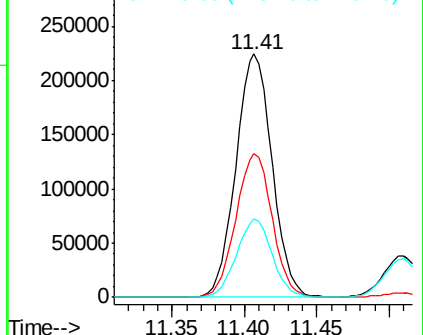
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Instrument :
MSVOA_N
ClientSampled :
VN0920WBS01

Tgt Ion: 117 Resp: 389566
Ion Ratio Lower Upper
117 100
82 59.2 47.6 71.4
119 31.6 25.4 38.2

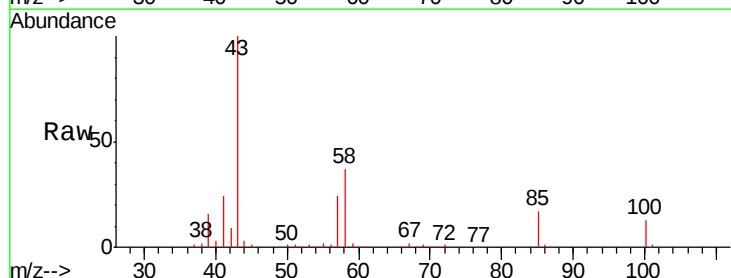


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

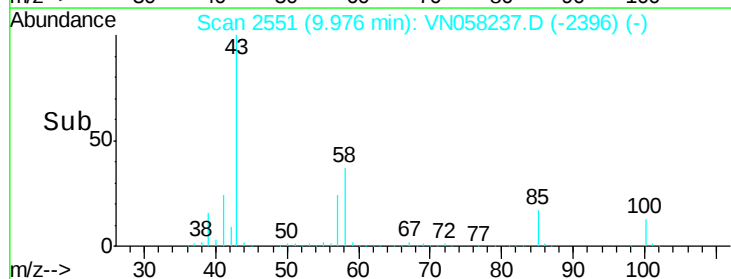
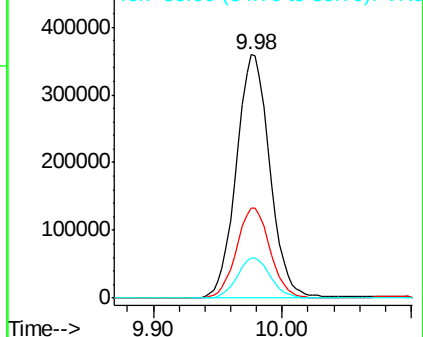


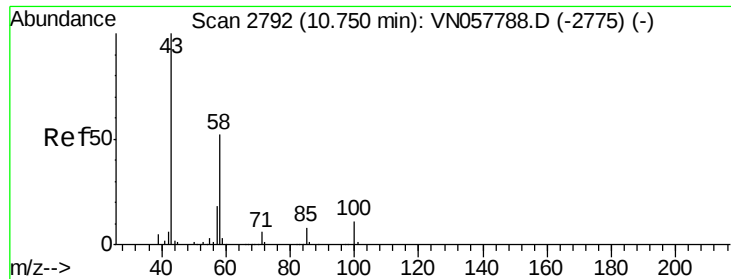
#58
4-Methyl-2-Pentanone
Concen: 106.952 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 43 Resp: 646129
Ion Ratio Lower Upper
43 100
58 37.5 29.4 44.0
85 16.4 12.9 19.3



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

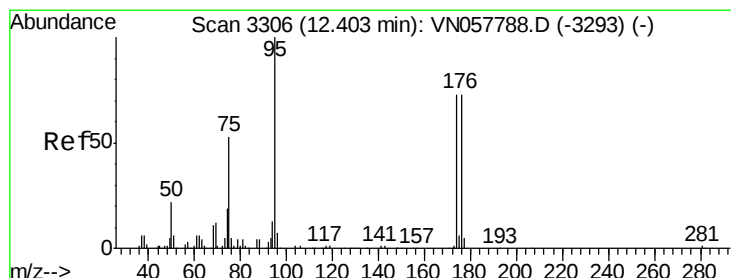
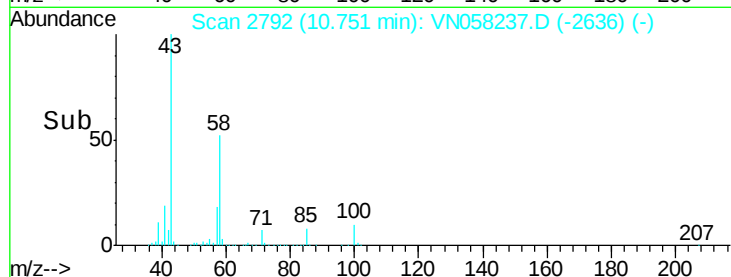
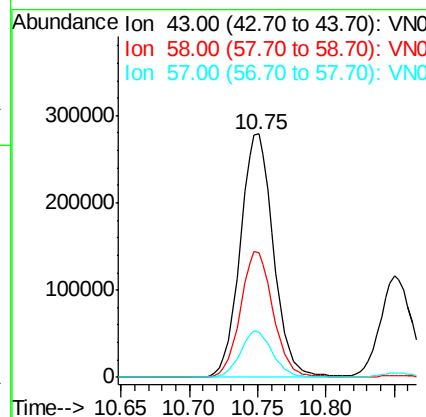
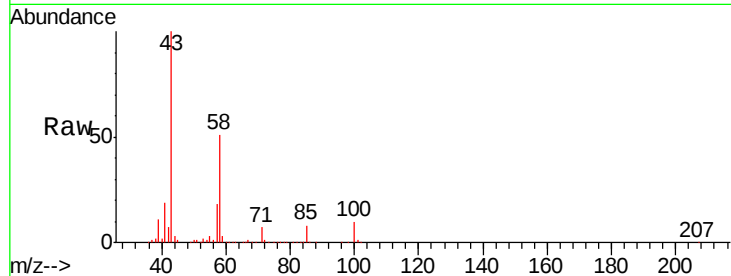




#59
2-Hexanone
Concen: 103.382 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

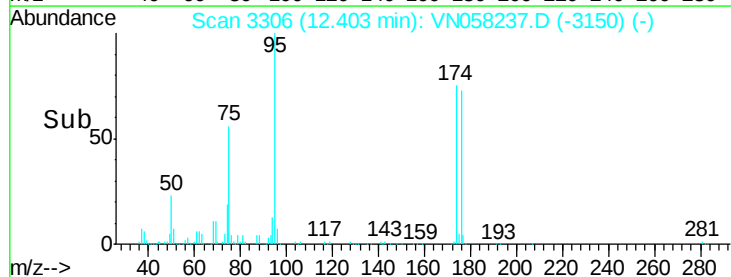
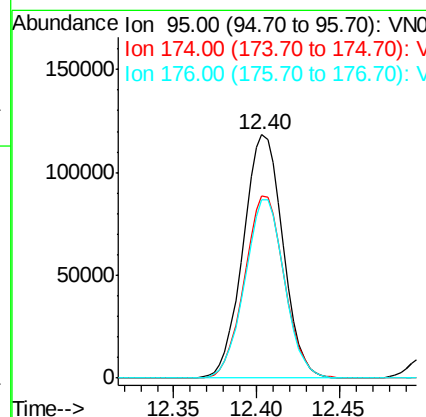
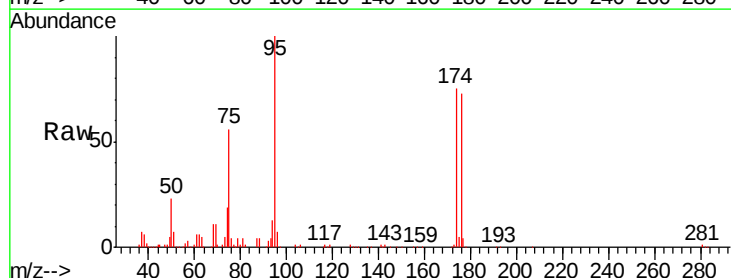
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

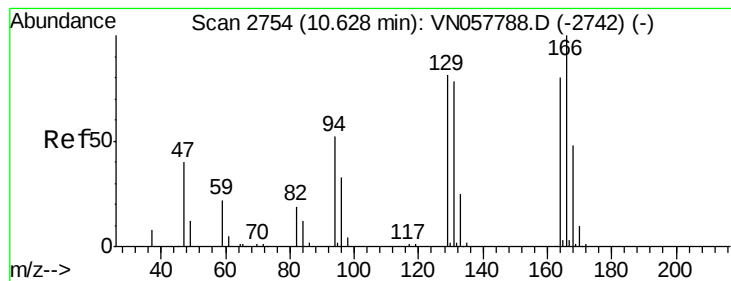
Tgt Ion: 43 Resp: 468685
Ion Ratio Lower Upper
43 100
58 51.1 40.6 61.0
57 18.4 14.5 21.7



#60
4-Bromofluorobenzene
Concen: 29.655 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion: 95 Resp: 197683
Ion Ratio Lower Upper
95 100
174 75.0 59.4 89.0
176 73.2 57.4 86.0





#61

Tetrachloroethene

Concen: 19.965 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tgt Ion:164 Resp: 79077

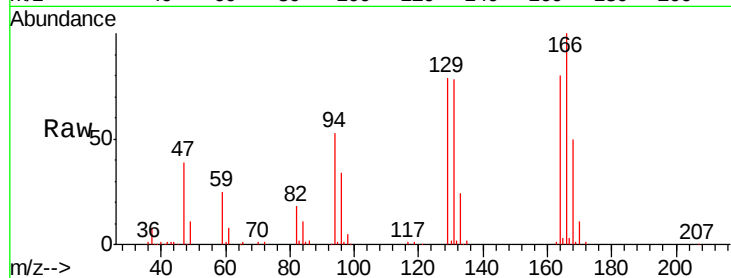
Ion Ratio Lower Upper

164 100

166 124.9 99.6 149.4

129 98.8 80.9 121.3

131 97.8 77.2 115.8

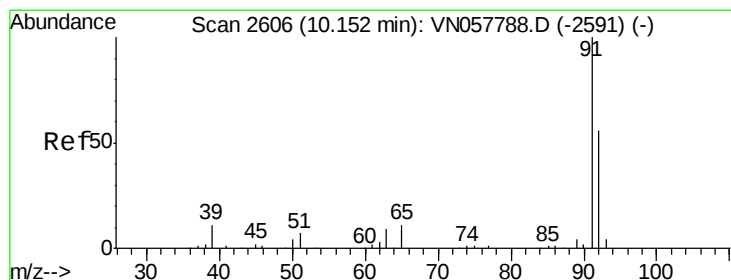
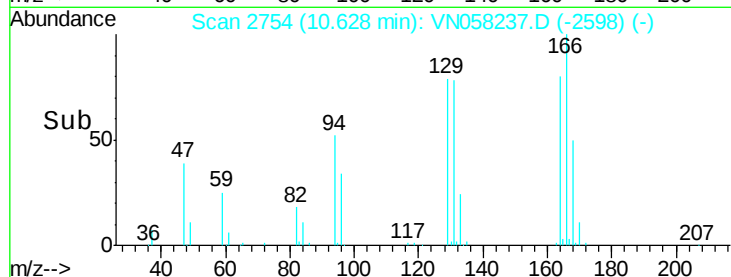
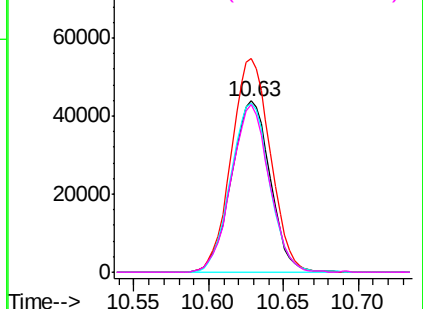


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.520 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058237.D

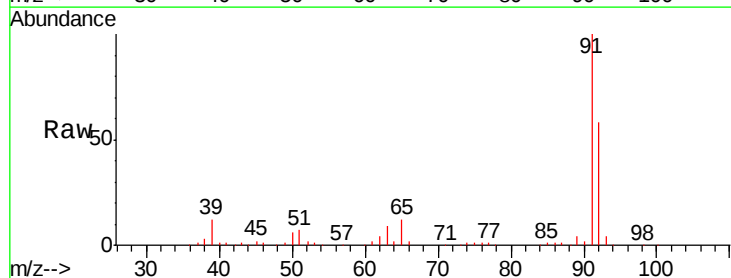
Acq: 20 Sep 2019 10:14

Tgt Ion: 91 Resp: 442627

Ion Ratio Lower Upper

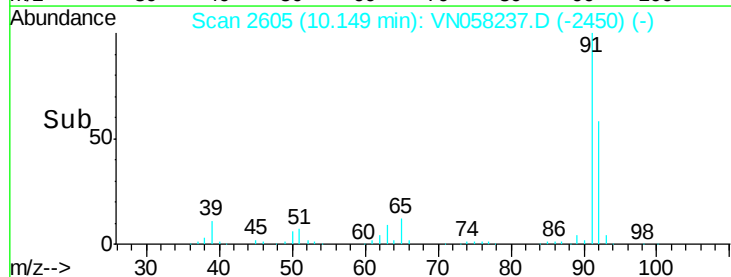
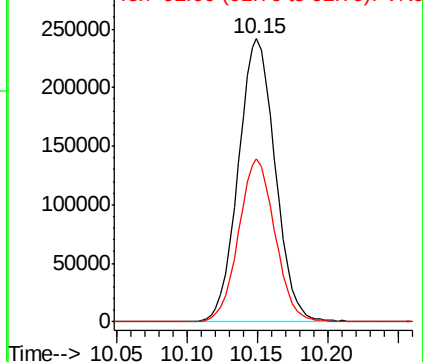
91 100

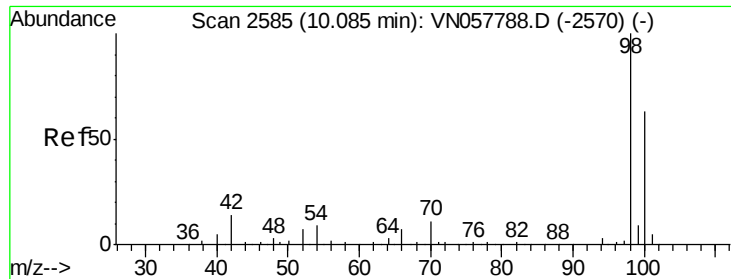
92 56.9 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.926 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

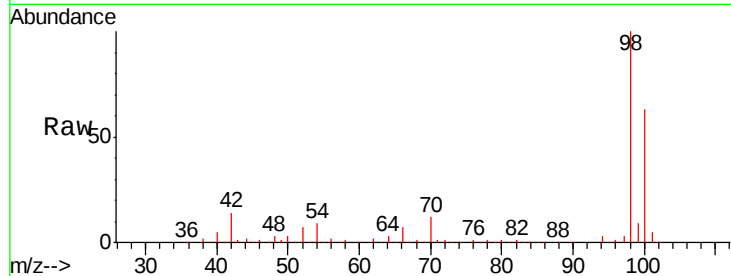
VN0920WBS01

Tgt Ion: 98 Resp: 559570

Ion Ratio Lower Upper

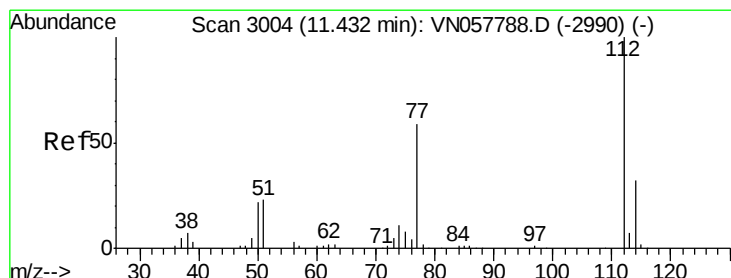
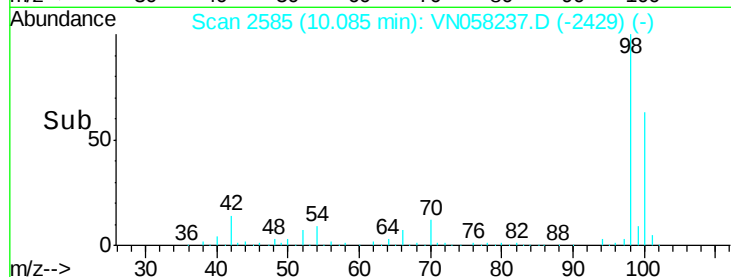
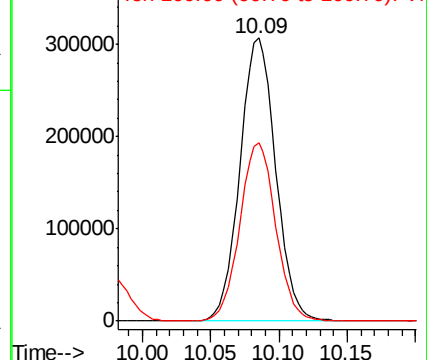
98 100

100 62.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 19.770 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058237.D

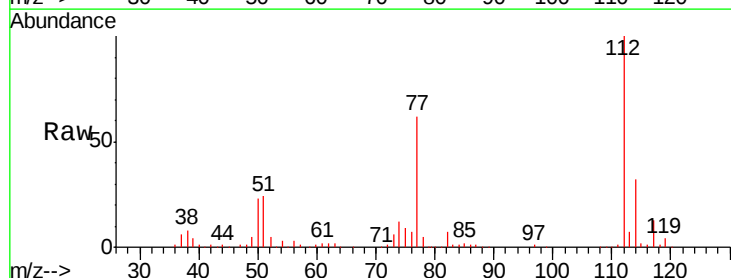
Acq: 20 Sep 2019 10:14

Tgt Ion: 112 Resp: 264547

Ion Ratio Lower Upper

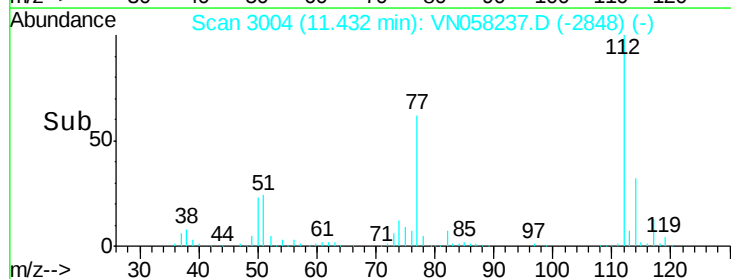
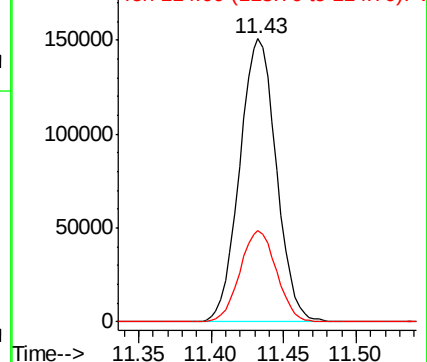
112 100

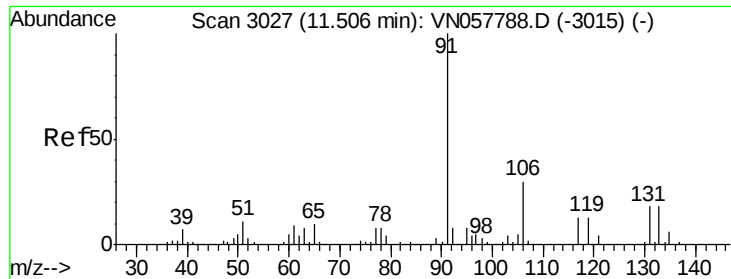
114 32.1 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

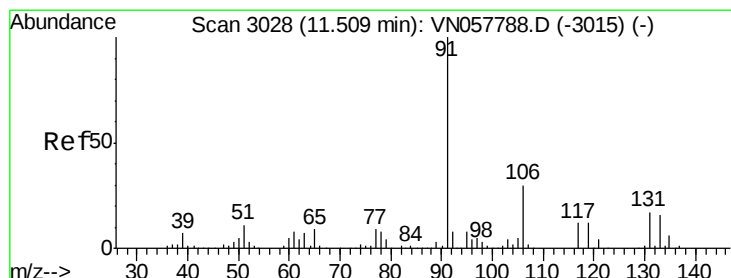
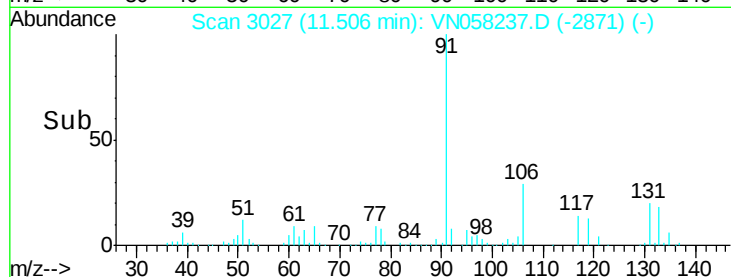
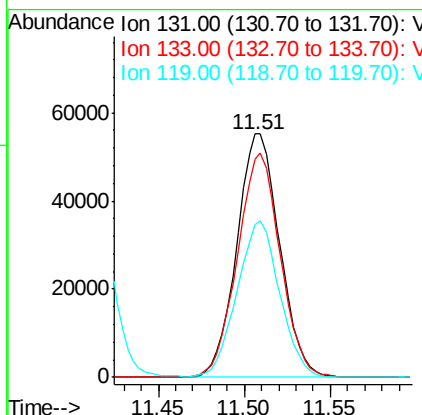
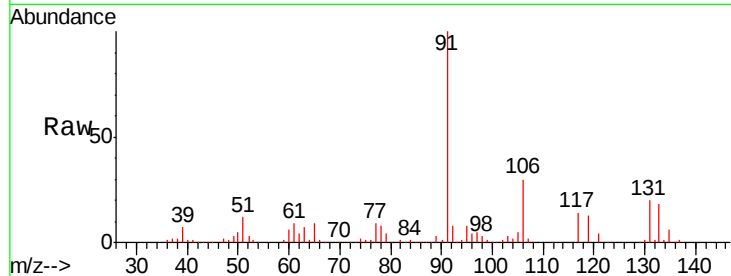




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.522 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

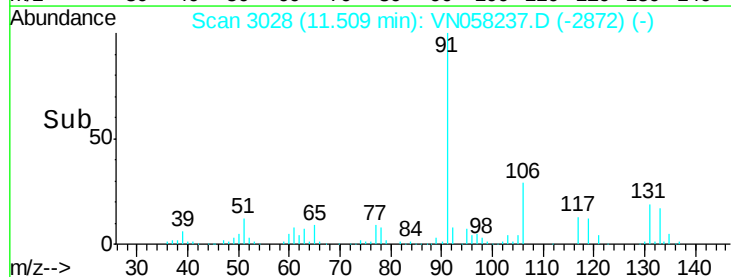
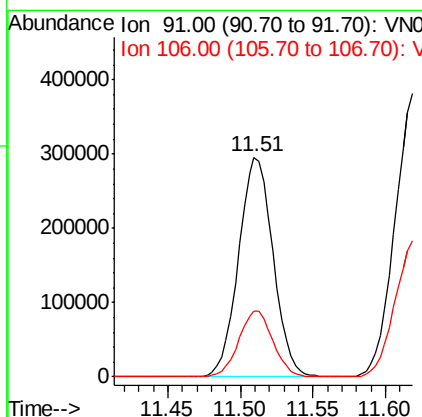
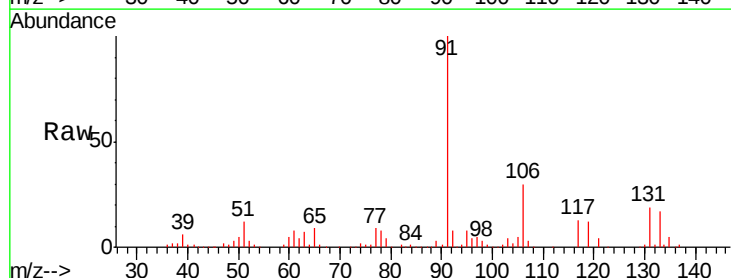
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

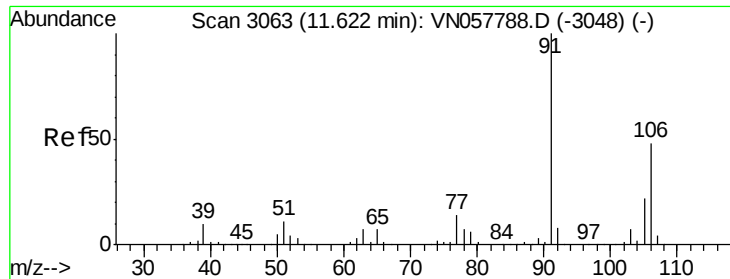
Tgt Ion: 131 Resp: 95345
 Ion Ratio Lower Upper
 131 100
 133 92.2 0.0 189.2
 119 64.1 0.0 136.4



#66
 Ethyl Benzene
 Concen: 20.802 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion: 91 Resp: 489724
 Ion Ratio Lower Upper
 91 100
 106 30.1 24.0 36.0

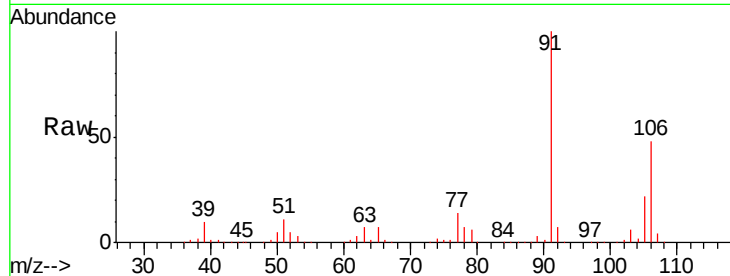




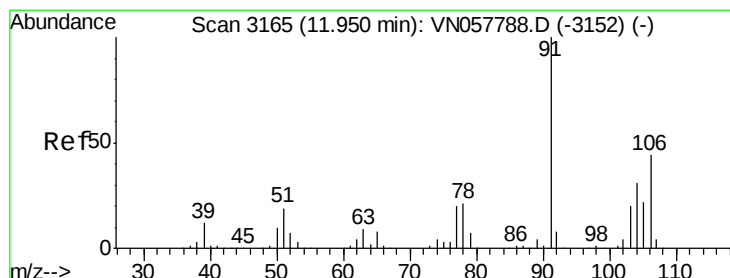
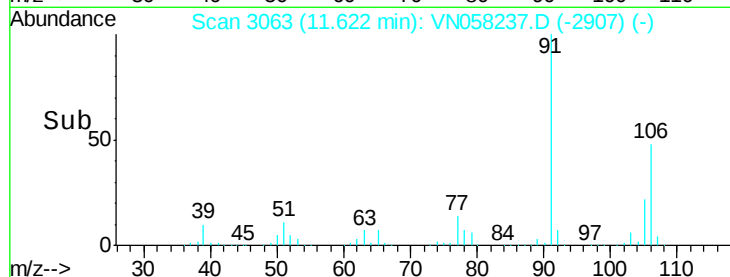
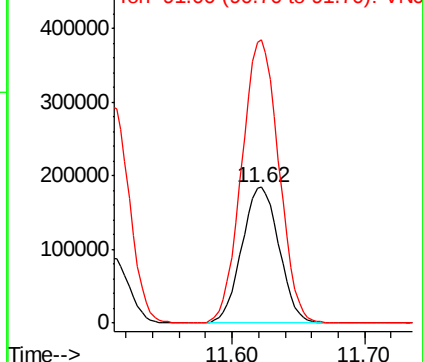
#67
m/p-Xylenes
Concen: 40.235 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tgt Ion:106 Resp: 361532
Ion Ratio Lower Upper
106 100
91 207.6 166.1 249.1

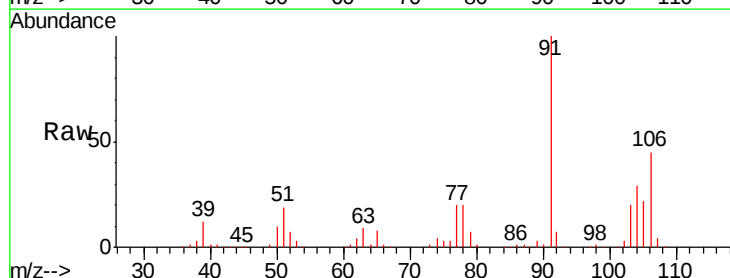


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

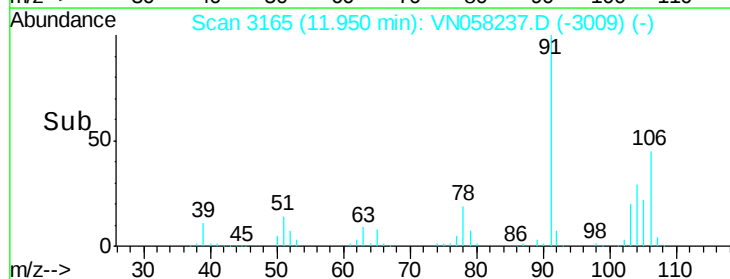
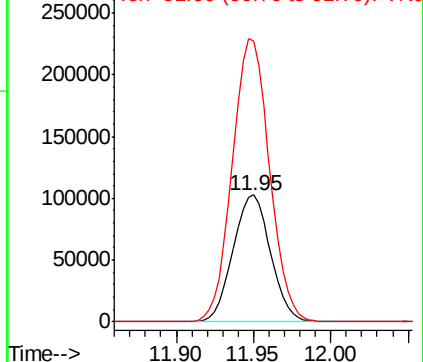


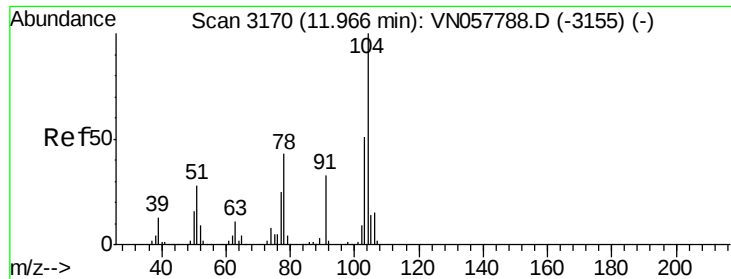
#68
o-Xylene
Concen: 19.689 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion:106 Resp: 173317
Ion Ratio Lower Upper
106 100
91 221.3 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

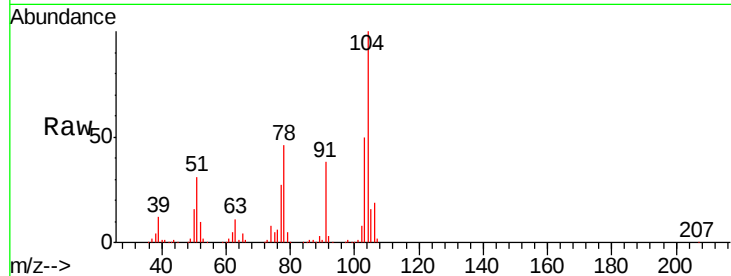




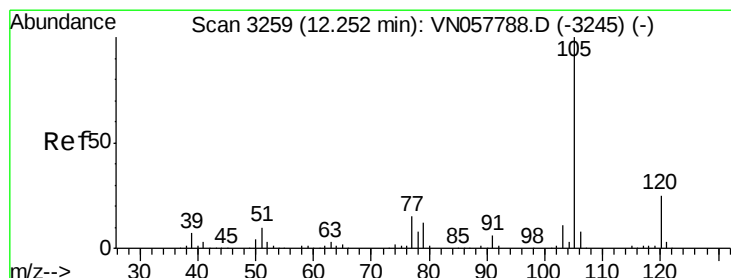
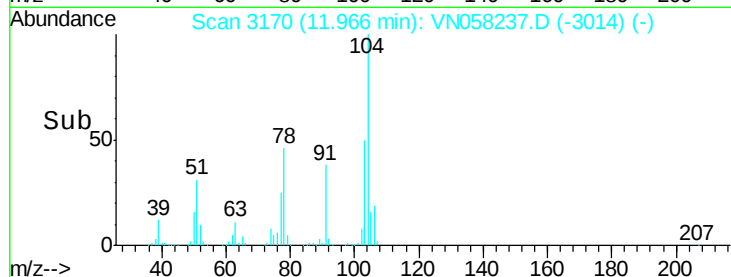
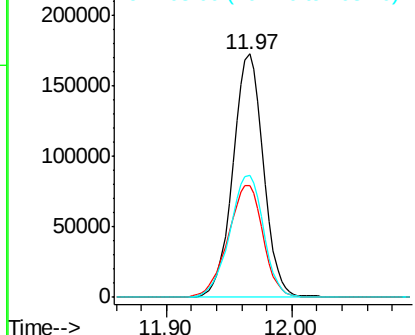
#69
Styrene
Concen: 19.467 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tgt Ion:104 Resp: 292167
Ion Ratio Lower Upper
104 100
78 52.8 41.5 62.3
103 55.6 44.8 67.2

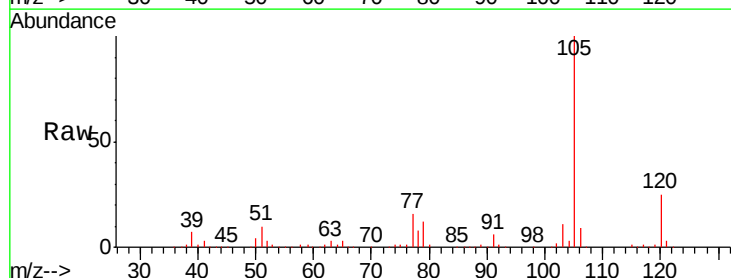


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

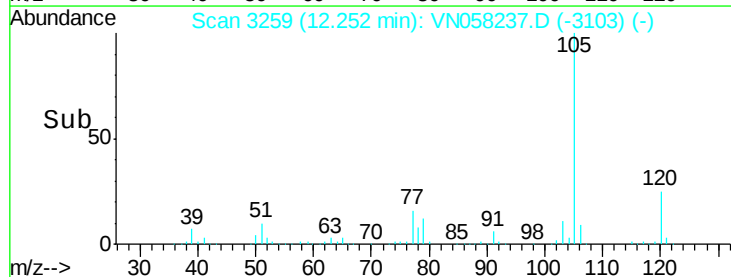
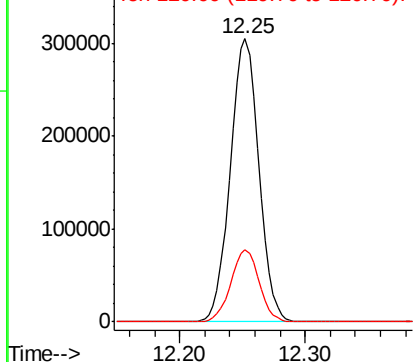


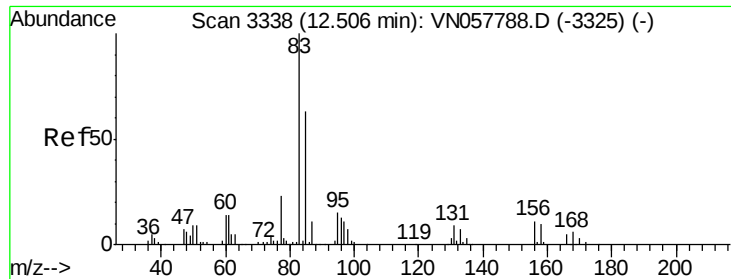
#70
Isopropylbenzene
Concen: 20.706 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion:105 Resp: 481879
Ion Ratio Lower Upper
105 100
120 25.3 17.6 32.6



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: 20.234 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

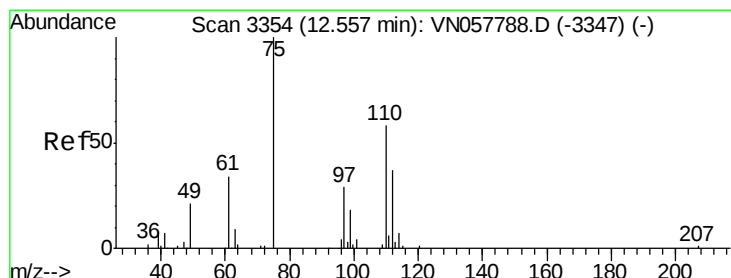
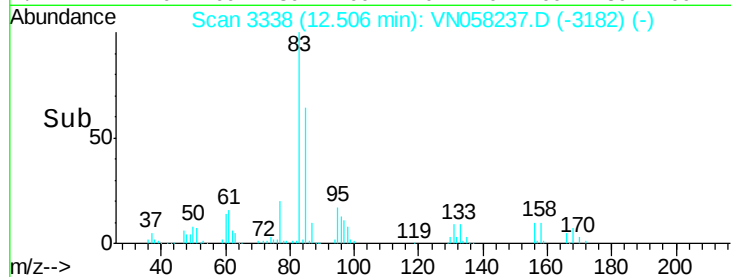
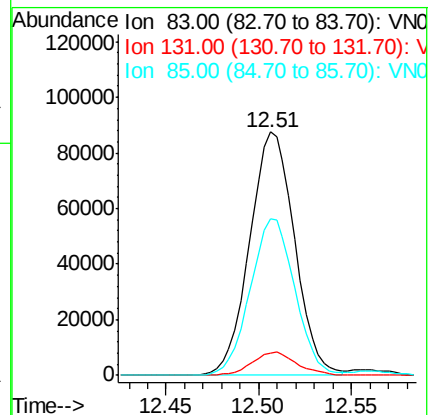
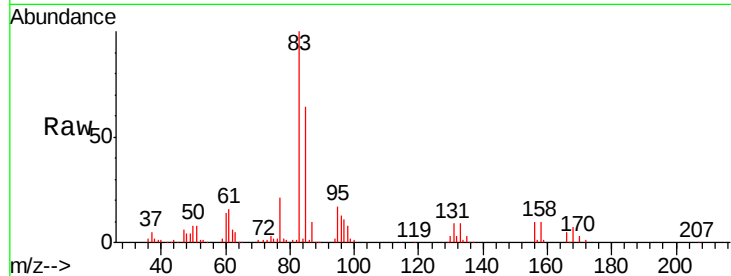
Tgt Ion: 83 Resp: 147168

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.6

85 63.9 32.1 96.3



#72

1,2,3-Trichloropropane

Concen: 26.855 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058237.D

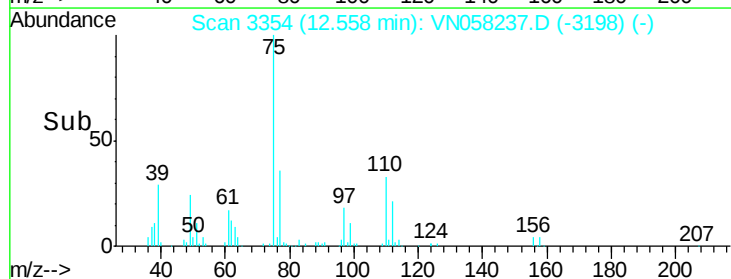
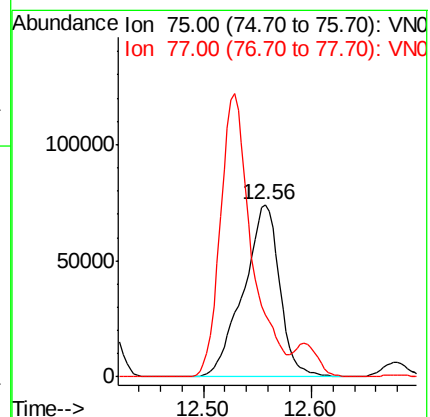
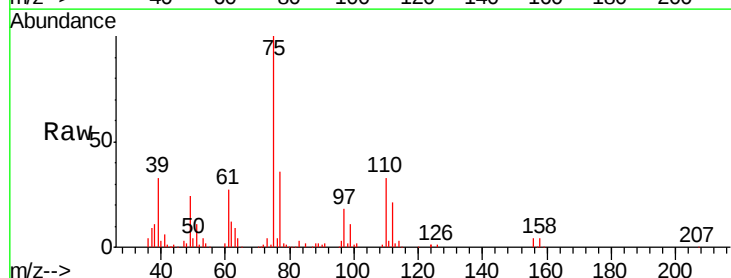
Acq: 20 Sep 2019 10:14

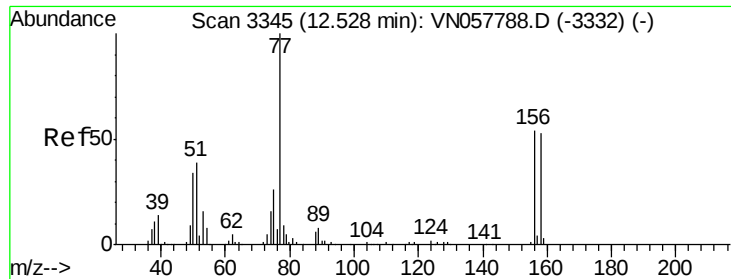
Tgt Ion: 75 Resp: 173360

Ion Ratio Lower Upper

75 100

77 142.5 0.0 351.6





#73

Bromobenzene

Concen: 19.780 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0920WBS01

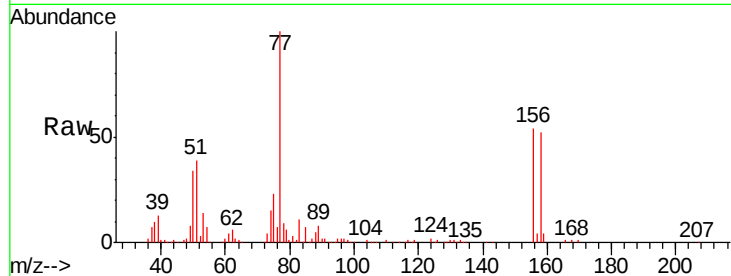
Tgt Ion:156 Resp: 110203

Ion Ratio Lower Upper

156 100

77 224.2 0.0 446.6

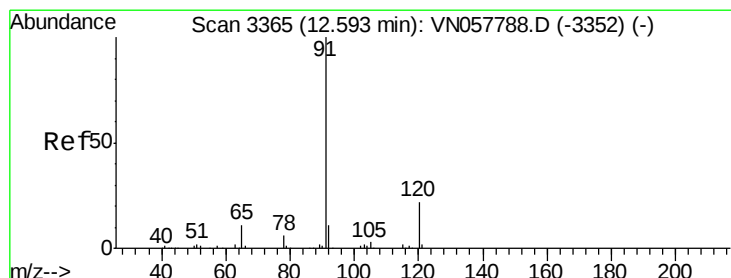
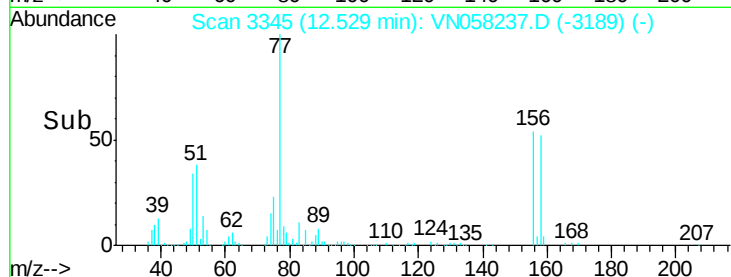
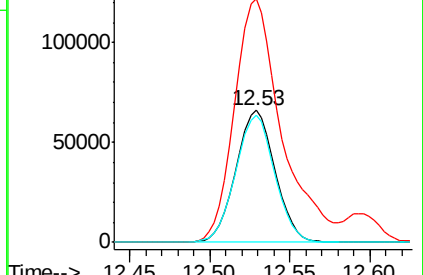
158 96.0 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.056 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058237.D

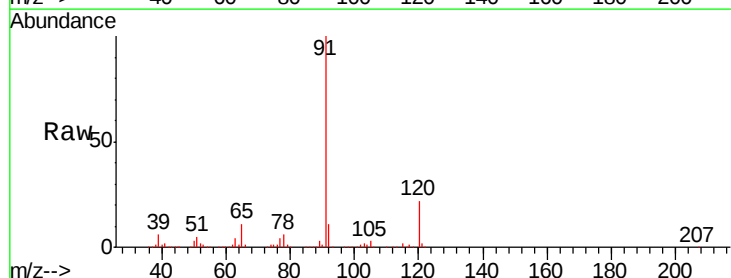
Acq: 20 Sep 2019 10:14

Tgt Ion: 91 Resp: 559841

Ion Ratio Lower Upper

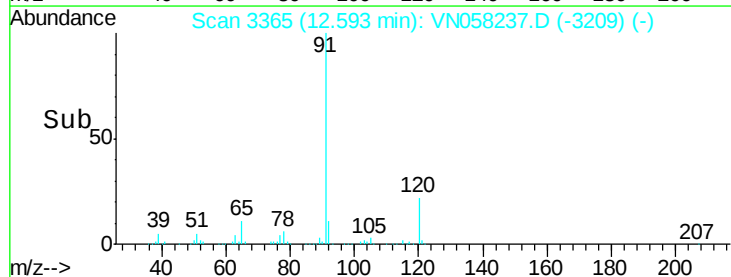
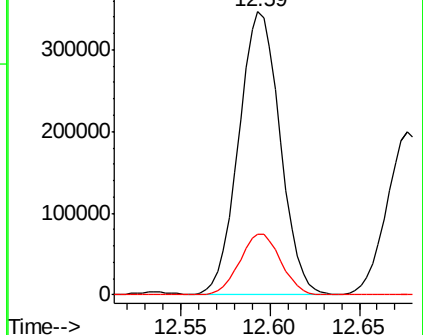
91 100

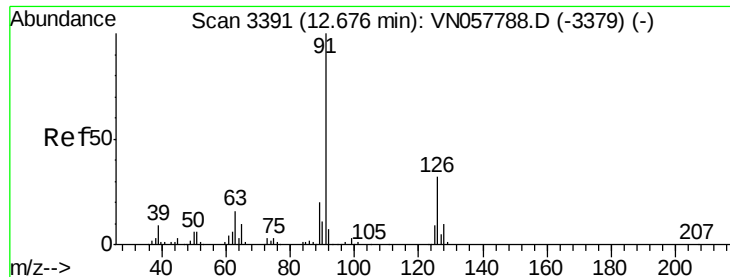
120 21.5 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.954 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

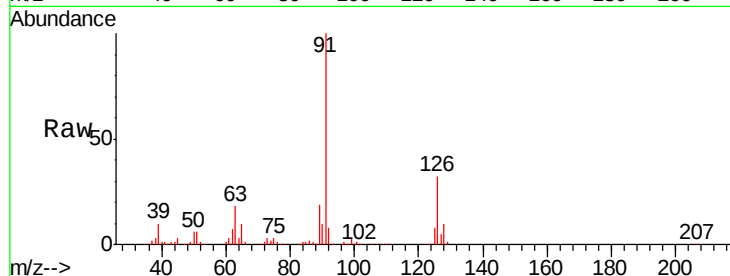
VN0920WBS01

Tgt Ion: 91 Resp: 330460

Ion Ratio Lower Upper

91 100

126 32.6 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)

300000

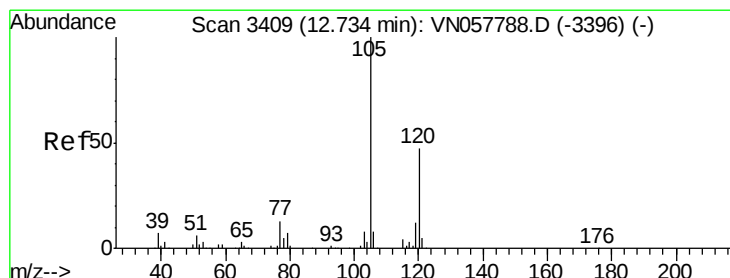
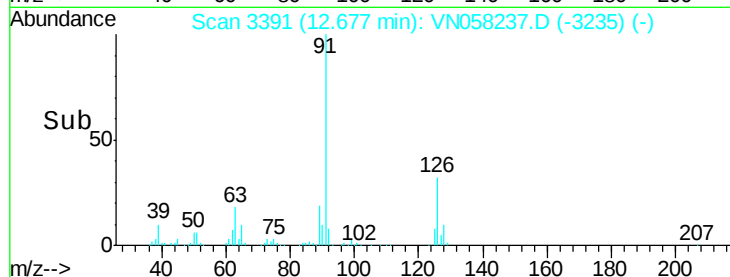
200000

100000

0

12.65 12.68 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.595 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058237.D

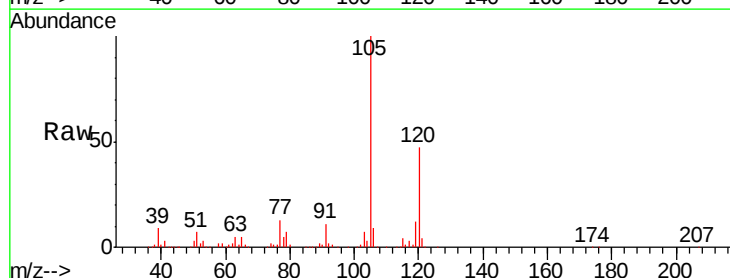
Acq: 20 Sep 2019 10:14

Tgt Ion: 105 Resp: 408125

Ion Ratio Lower Upper

105 100

120 47.1 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)

300000

250000

200000

150000

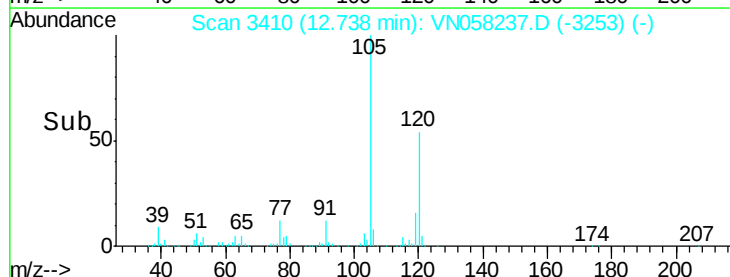
100000

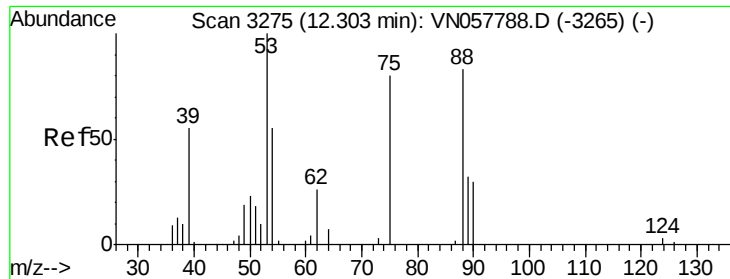
50000

0

12.70 12.74 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.646 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

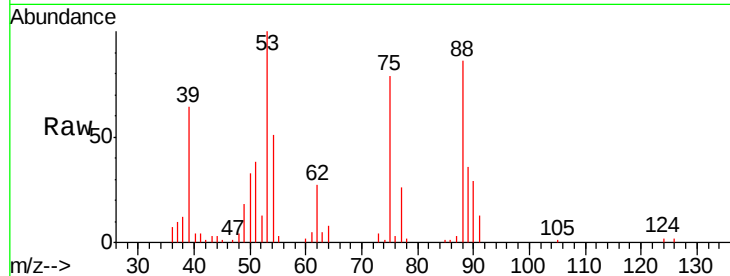
Tgt Ion: 75 Resp: 33794

Ion Ratio Lower Upper

75 100

53 124.8 62.7 188.2

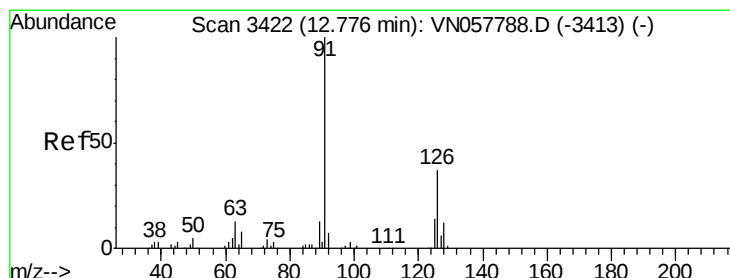
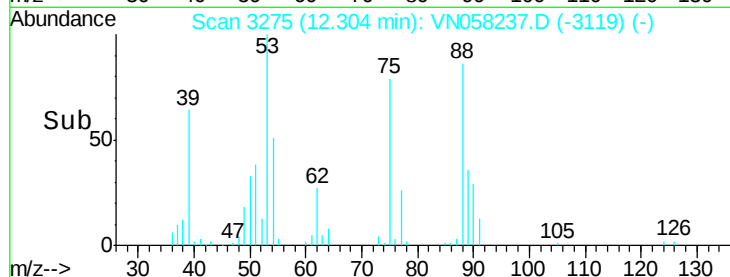
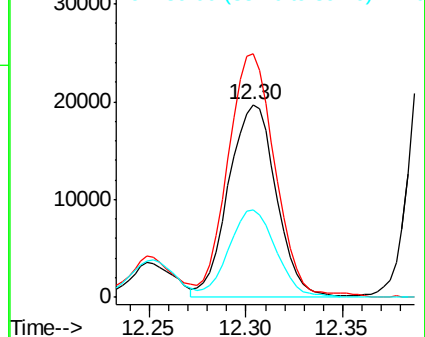
89 45.7 22.8 68.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.948 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058237.D

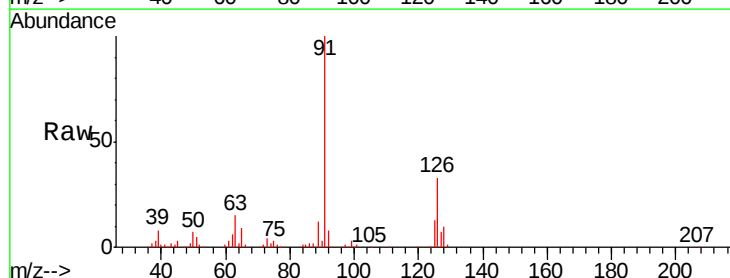
Acq: 20 Sep 2019 10:14

Tgt Ion: 91 Resp: 336971

Ion Ratio Lower Upper

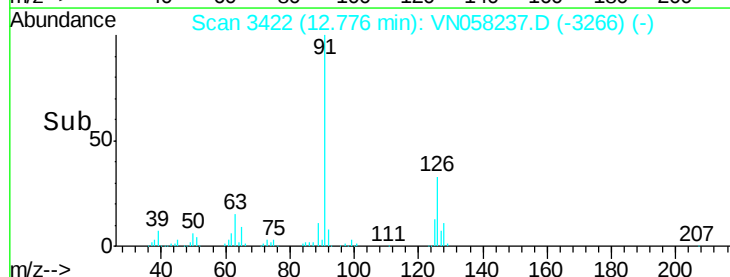
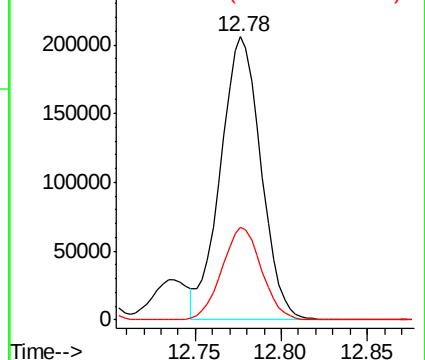
91 100

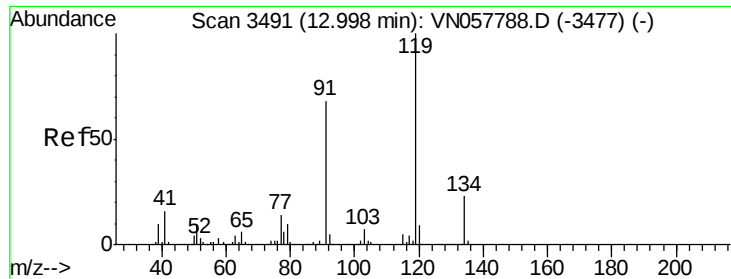
126 32.3 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

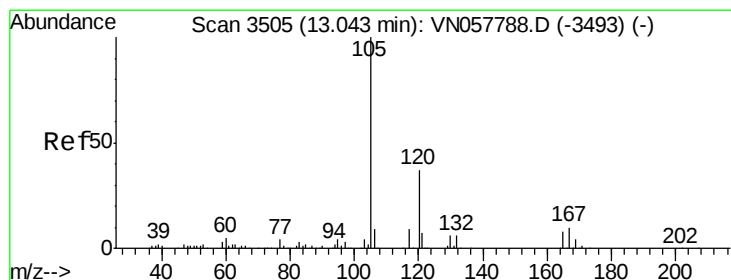
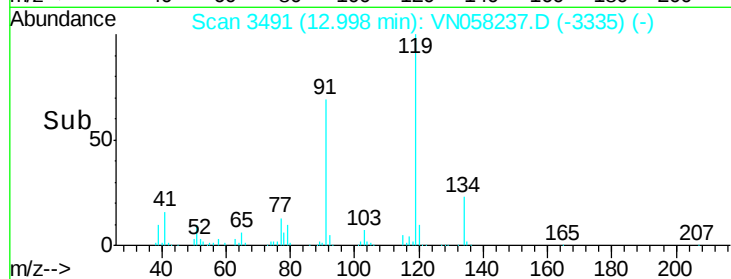
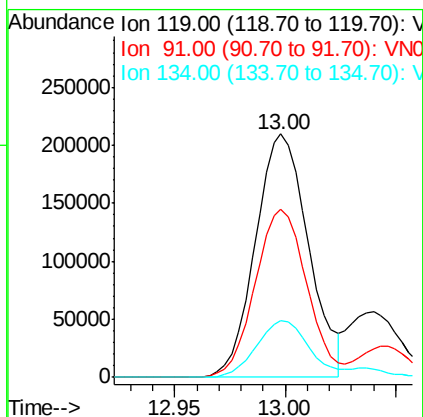
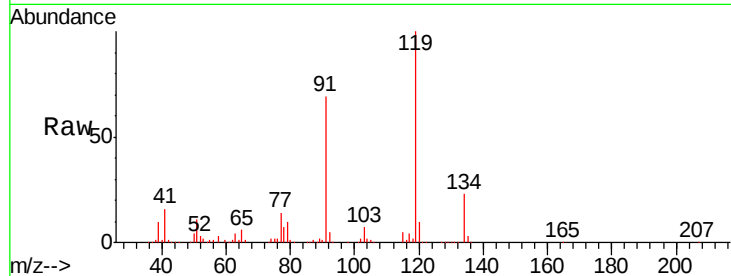




#79
tert-butylbenzene
Concen: 20.225 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

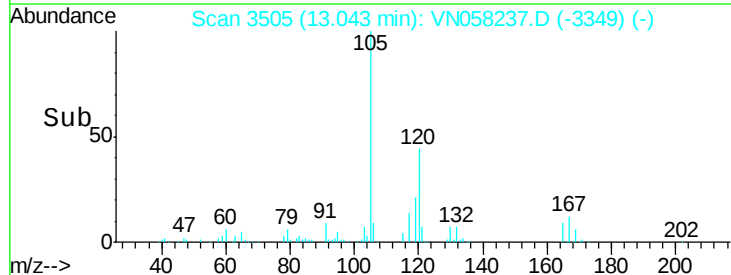
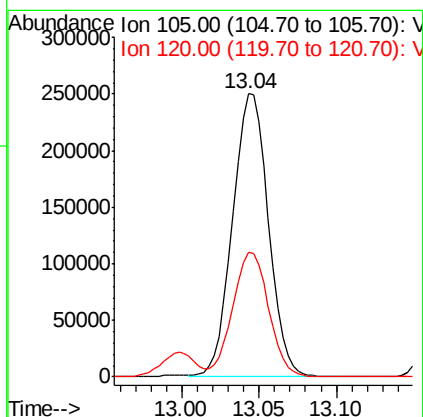
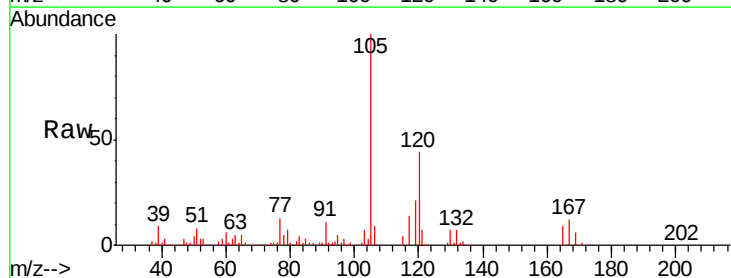
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

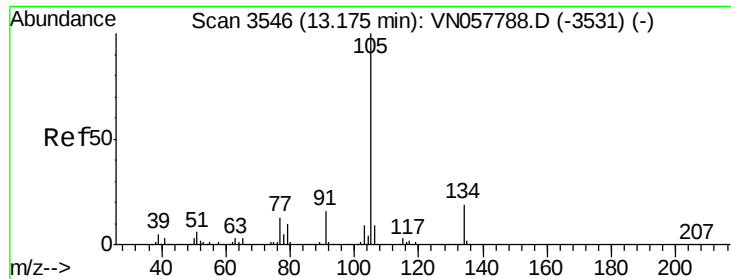
Tgt Ion:119 Resp: 349647
Ion Ratio Lower Upper
119 100
91 67.4 0.0 133.8
134 23.2 0.0 46.4



#80
1,2,4-Trimethylbenzene
Concen: 20.277 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion:105 Resp: 400372
Ion Ratio Lower Upper
105 100
120 44.3 0.0 87.8

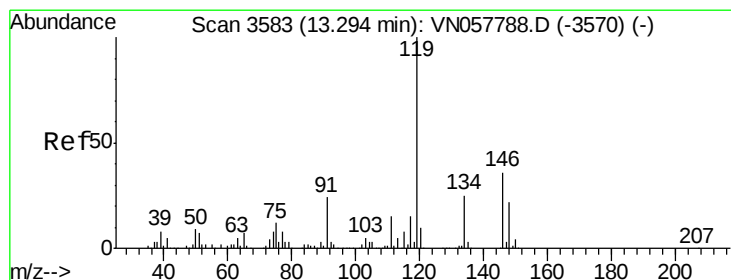
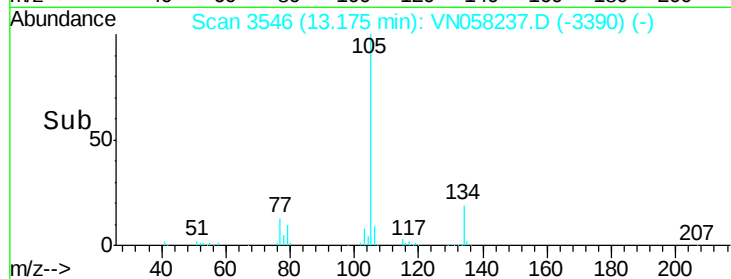
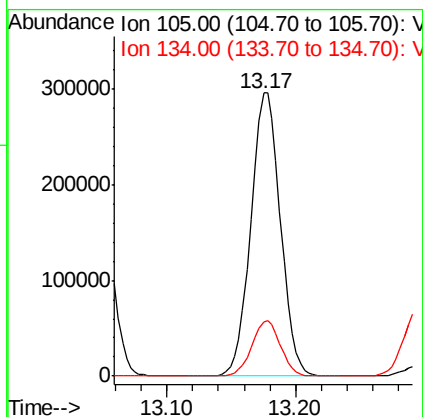
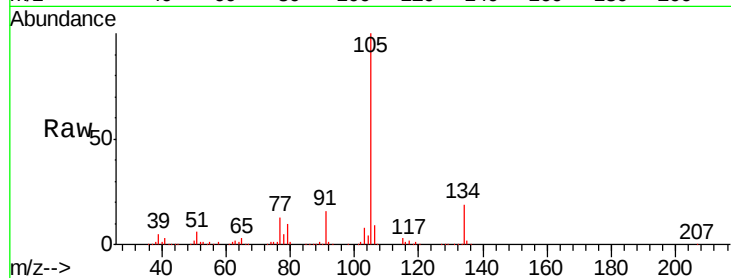




#81
 sec-Butylbenzene
 Concen: 20.550 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

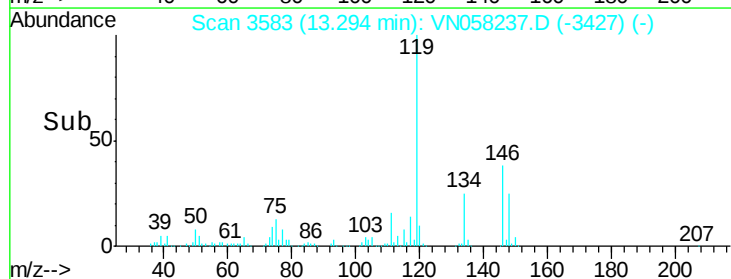
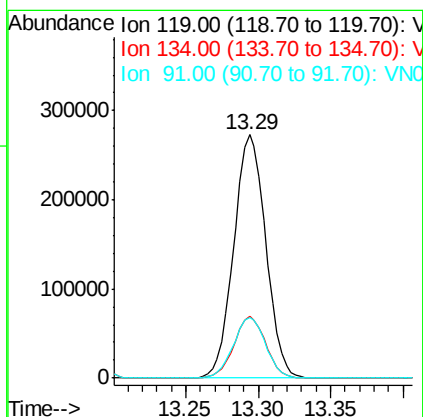
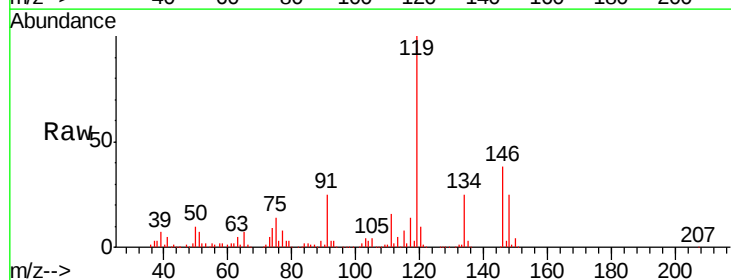
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

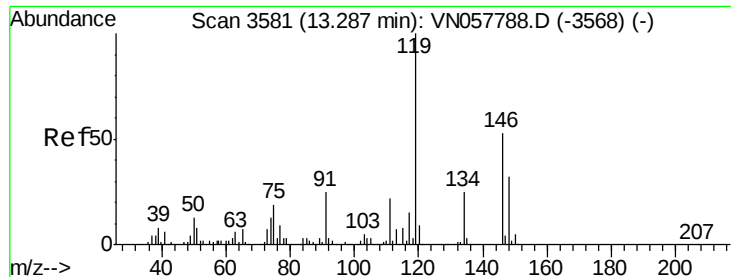
Tgt Ion:105 Resp: 471377
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 37.6



#82
 p-Isopropyltoluene
 Concen: 20.372 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion:119 Resp: 418488
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 50.4
 91 25.3 0.0 48.8

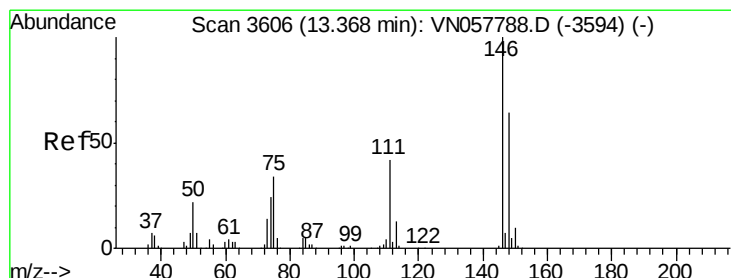
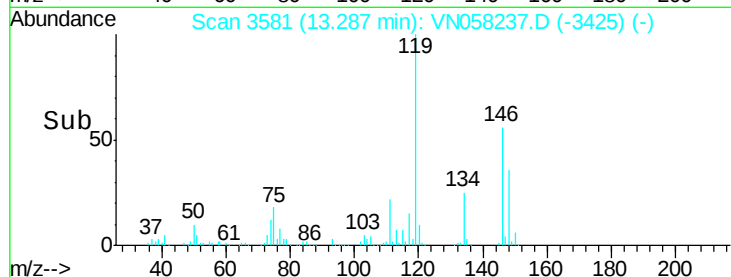
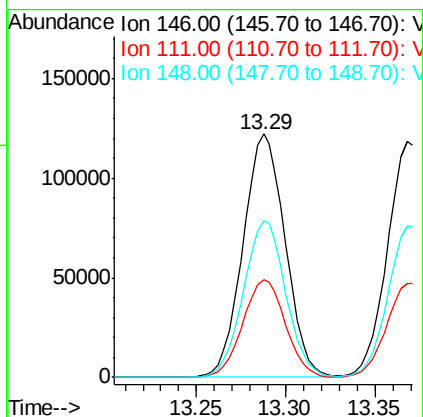
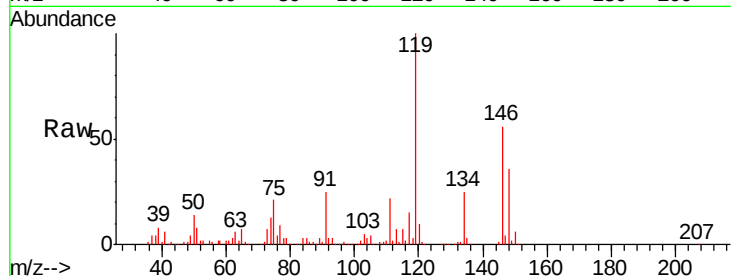




#83
 1,3-Dichlorobenzene
 Concen: 19.513 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

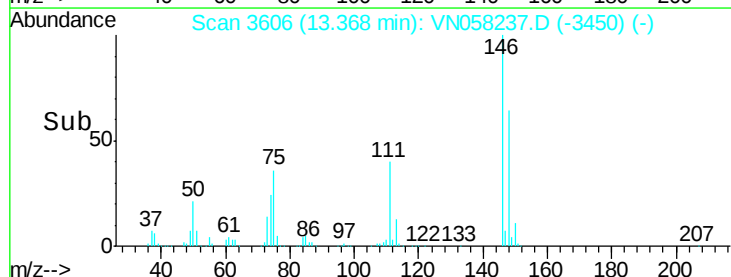
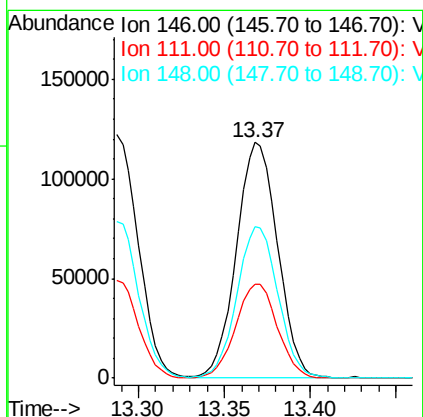
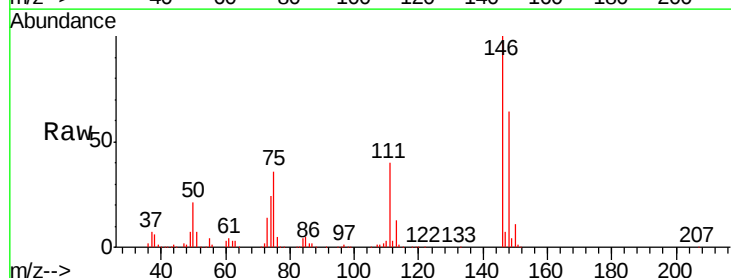
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

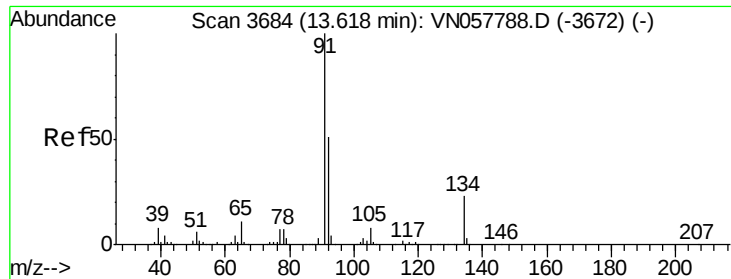
Tgt Ion:146 Resp: 202074
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.7 62.1
 148 64.5 30.9 92.5



#84
 1,4-Dichlorobenzene
 Concen: 19.338 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion:146 Resp: 197170
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.1 63.4
 148 63.7 31.7 95.1





#85

n-Butylbenzene

Concen: 19.659 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

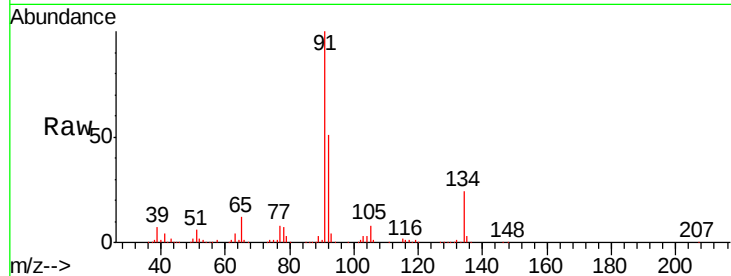
Tgt Ion: 91 Resp: 376361

Ion Ratio Lower Upper

91 100

92 51.4 0.0 100.0

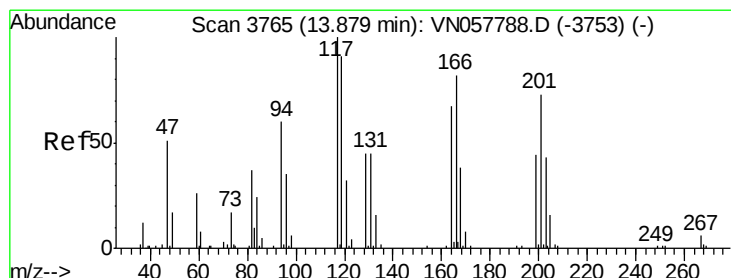
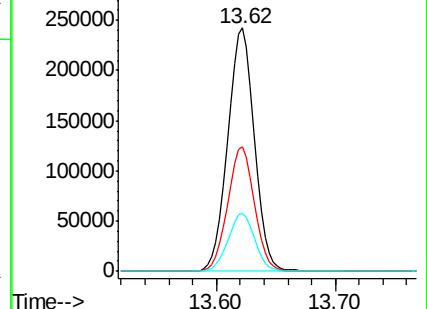
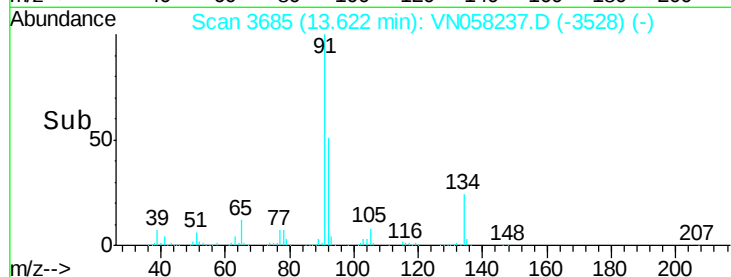
134 23.6 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN058237.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058237.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058237.D (-3672) (-)



#86

Hexachloroethane

Concen: 18.014 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058237.D

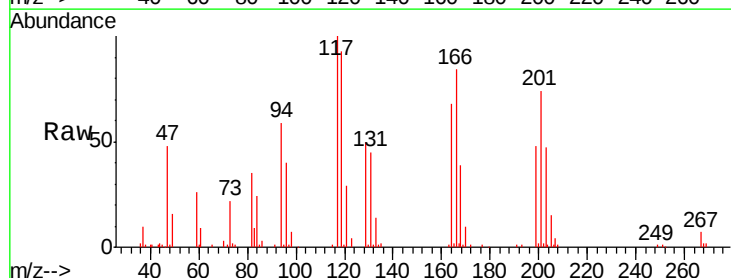
Acq: 20 Sep 2019 10:14

Tgt Ion: 117 Resp: 58941

Ion Ratio Lower Upper

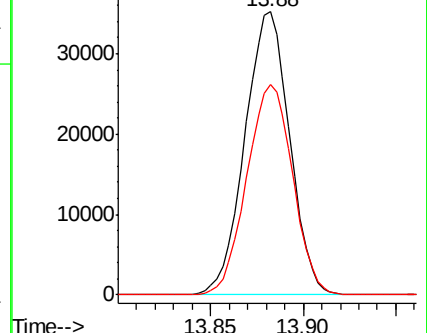
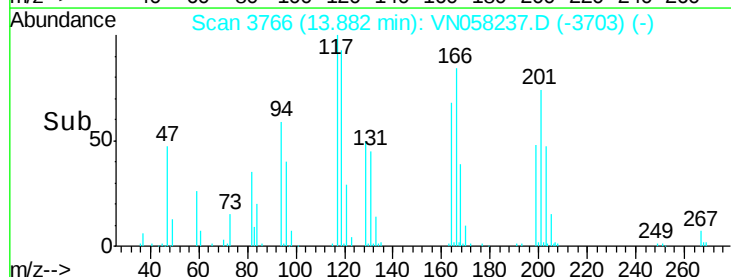
117 100

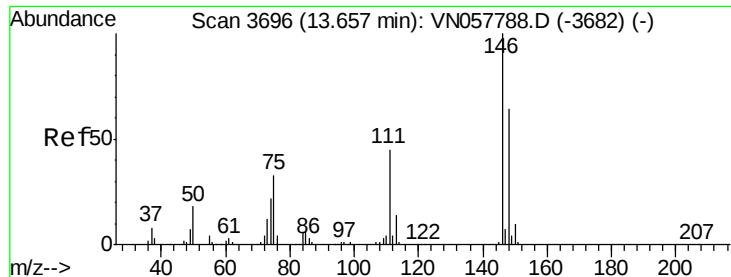
201 76.0 36.7 110.1



Abundance Ion 117.00 (116.70 to 117.70): VN058237.D (-3753) (-)

Ion 201.00 (200.70 to 201.70): VN058237.D (-3753) (-)





#87

1,2-Dichlorobenzene

Concen: 20.045 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0920WBS01

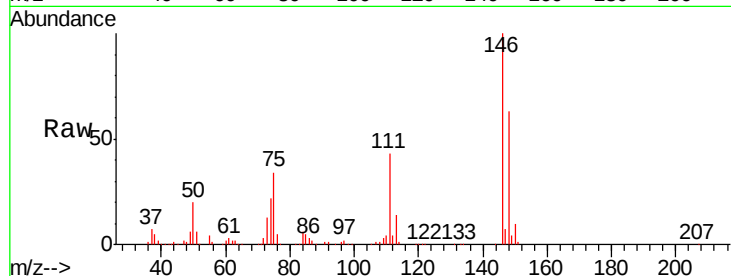
Tgt Ion:146 Resp: 201506

Ion Ratio Lower Upper

146 100

111 43.3 22.2 66.6

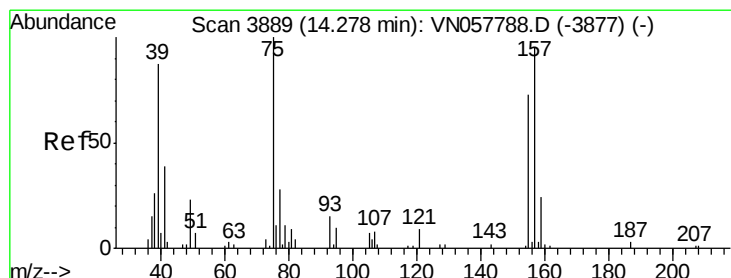
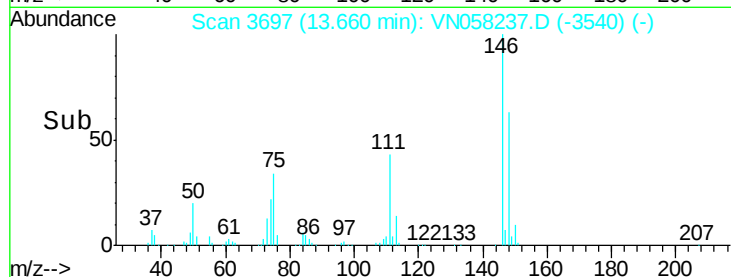
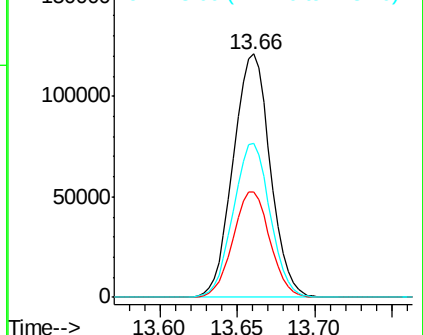
148 63.1 32.1 96.3



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.158 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

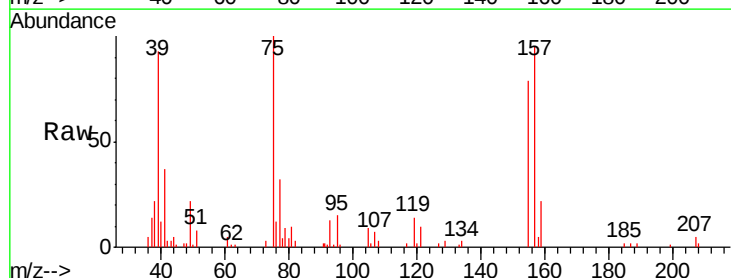
Tgt Ion: 75 Resp: 24534

Ion Ratio Lower Upper

75 100

155 72.7 59.4 89.2

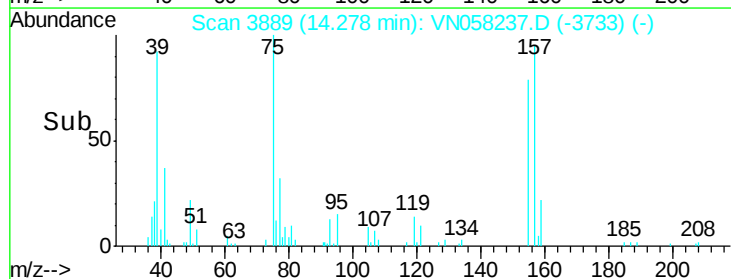
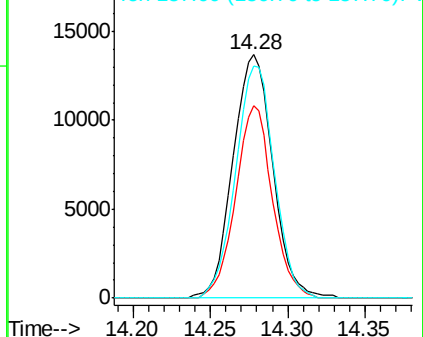
157 92.7 74.6 112.0

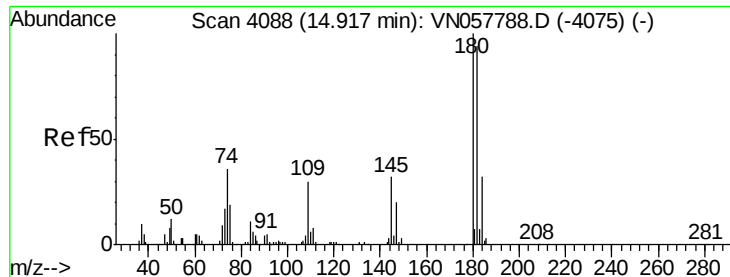


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

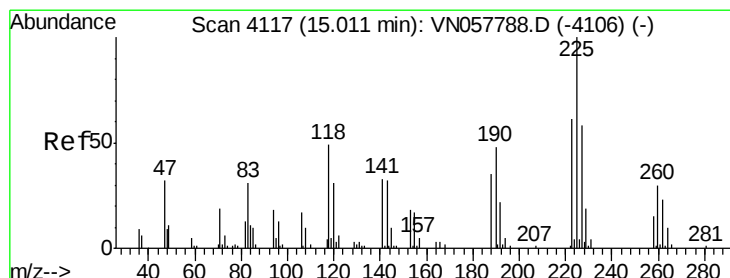
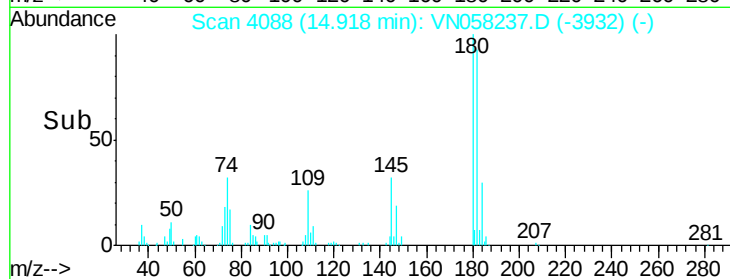
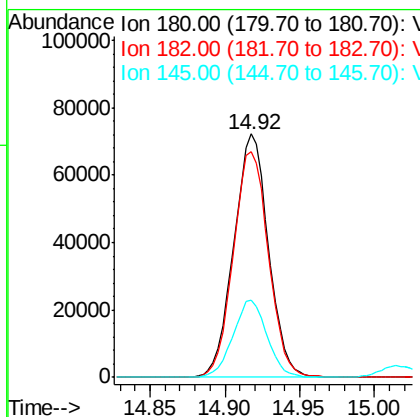
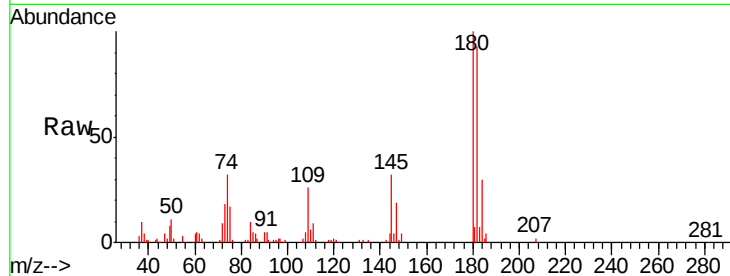




#89
 1,2,4-Trichlorobenzene
 Concen: 18.962 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

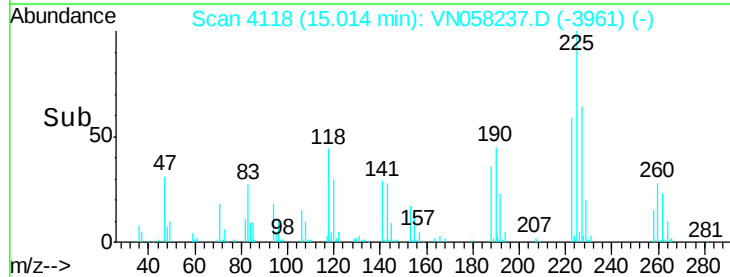
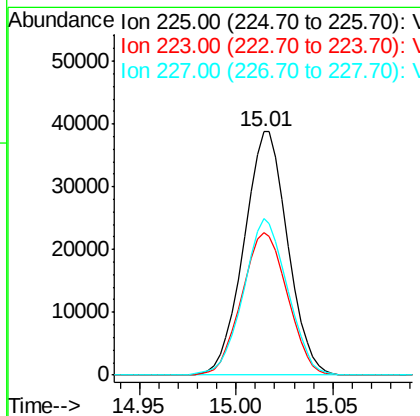
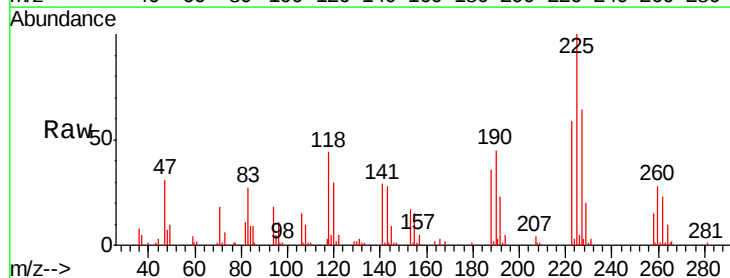
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

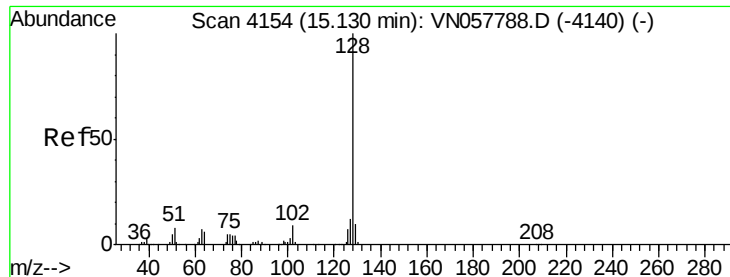
Tgt Ion:180 Resp: 116442
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.0 115.4
 145 31.2 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 21.694 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058237.D
 Acq: 20 Sep 2019 10:14

Tgt Ion:225 Resp: 61183
 Ion Ratio Lower Upper
 225 100
 223 60.8 0.0 125.0
 227 64.5 0.0 123.8

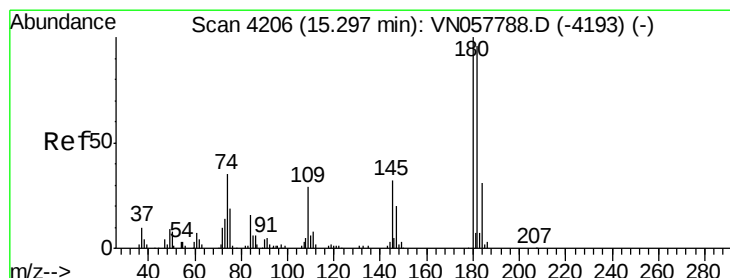
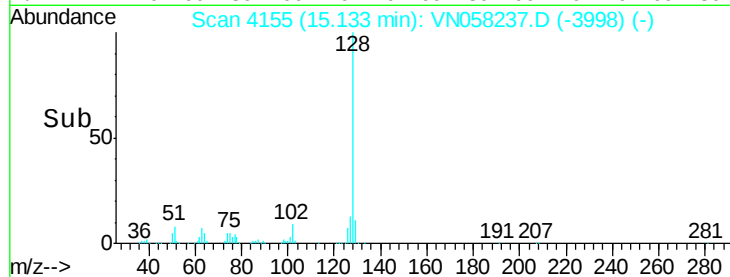
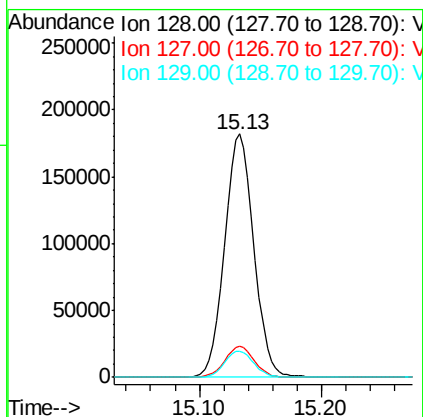
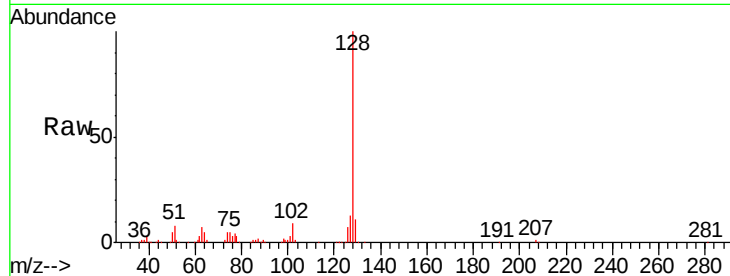




#91
Naphthalene
Concen: 18.058 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tgt Ion:128 Resp: 305124
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 10.9 8.1 12.1



#92
1,2,3-Trichlorobenzene
Concen: 18.545 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058237.D
Acq: 20 Sep 2019 10:14

Tgt Ion:180 Resp: 108606
Ion Ratio Lower Upper
180 100
182 97.9 0.0 189.8
145 32.0 0.0 65.0

